

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060076.D
 Acq On : 24 Aug 2018 3:42
 Operator : VA/AP
 Sample : J4585-01RE
 Misc : 4.45g/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WS-GRAVEL-STAINRE

Quant Time: Aug 24 04:23:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

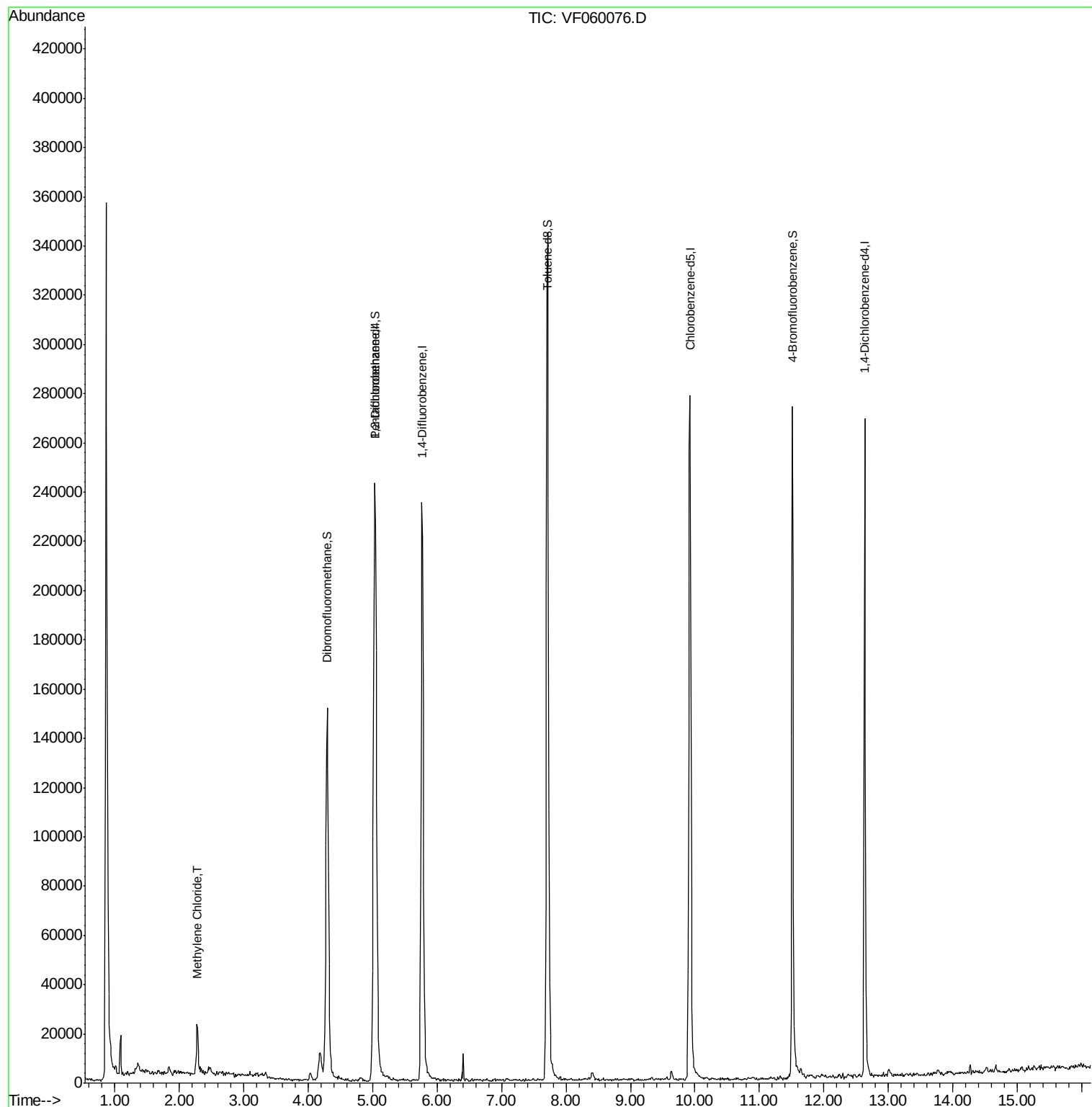
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	153428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	241757	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	200246	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	63346	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	147236	70.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	140.24%	
35) Dibromofluoromethane	4.30	113	136787	72.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	144.10%	
50) Toluene-d8	7.72	98	292253	54.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.42%	
62) 4-Bromofluorobenzene	11.51	95	95651	33.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.08%	
Target Compounds						
20) Methylene Chloride	2.27	84	7740	2.22	ug/l	Qvalue 94

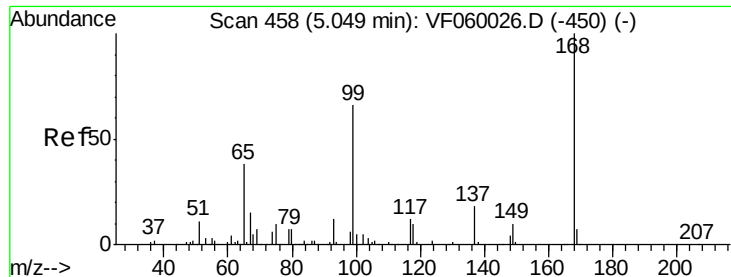
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF060076.D

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ClientSampleId :

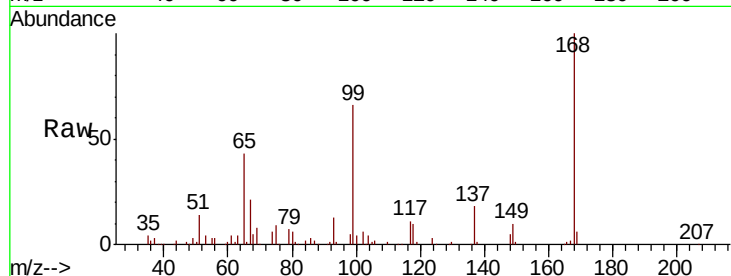
WS-GRAVEL-STAINRE

Tot Ion:168 Resp: 153428

Ion Ratio Lower Upper

168 100

99 66.2 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF060026.D (-450) (-)

Ion 99.00 (98.70 to 99.70): VF060026.D (-450) (-)

5.04

60000

50000

40000

30000

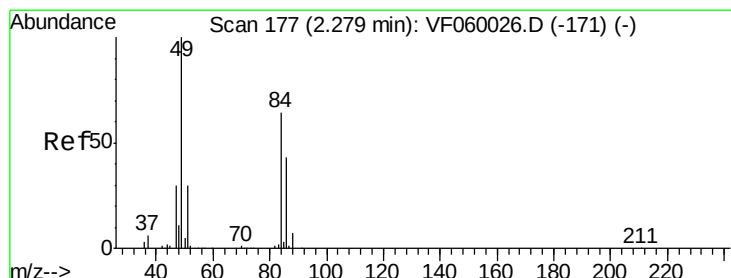
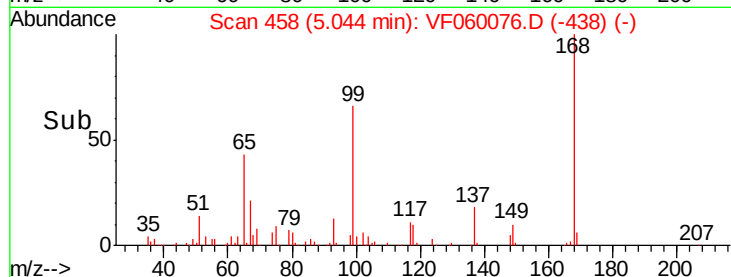
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 2.22 ug/l

RT: 2.27 min Scan# 177

Delta R.T. -0.00 min

Lab File: VF060076.D

Acq: 24 Aug 2018 3:42

Tgt Ion: 84 Resp: 7740

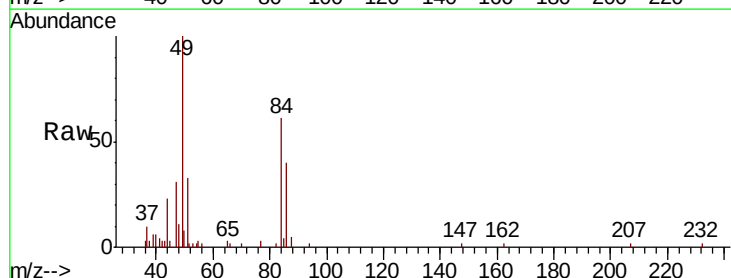
Ion Ratio Lower Upper

84 100

49 163.0 125.4 188.0

51 56.4 38.3 57.5

86 64.8 53.3 79.9



Abundance Ion 84.00 (83.70 to 84.70): VF060026.D (-171) (-)

Ion 49.00 (48.70 to 49.70): VF060026.D (-171) (-)

Ion 51.00 (50.70 to 51.70): VF060026.D (-171) (-)

Ion 86.00 (85.70 to 86.70): VF060026.D (-171) (-)

8000

6000

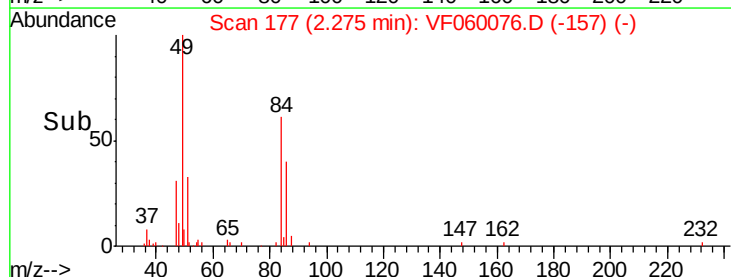
4000

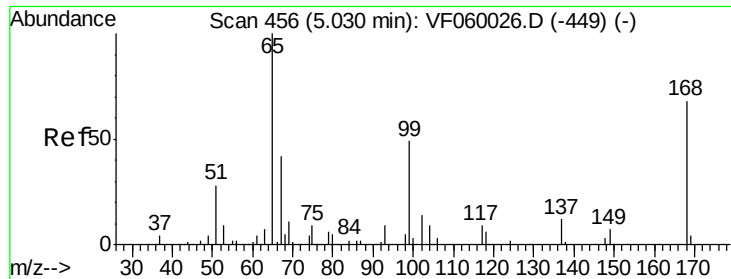
2000

0

Time-->

2.20 2.25 2.30 2.35

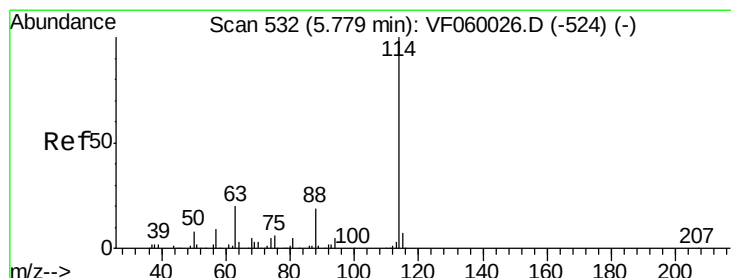
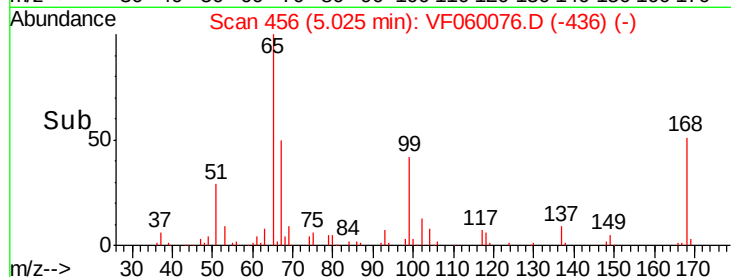
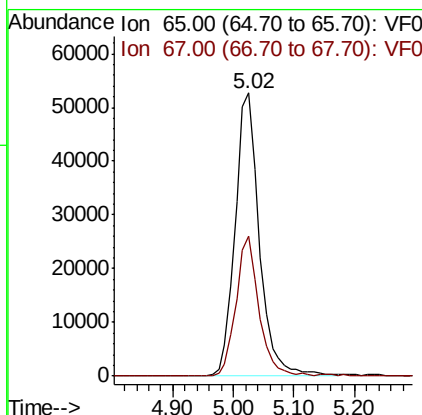
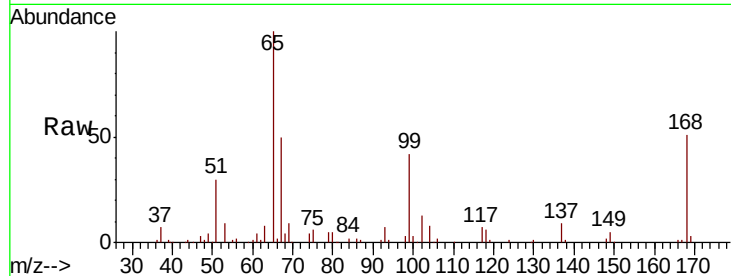




#33
 1,2-Dichloroethane-d4
 Concen: 70.12 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: VF060076.D
 Acq: 24 Aug 2018 3:42

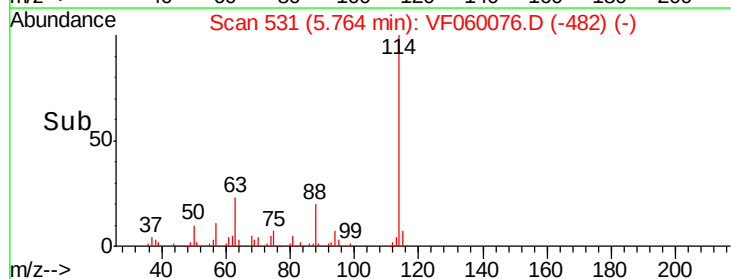
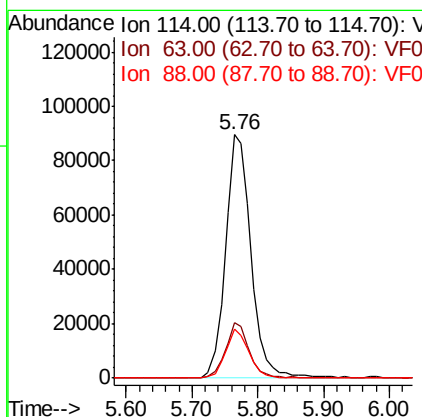
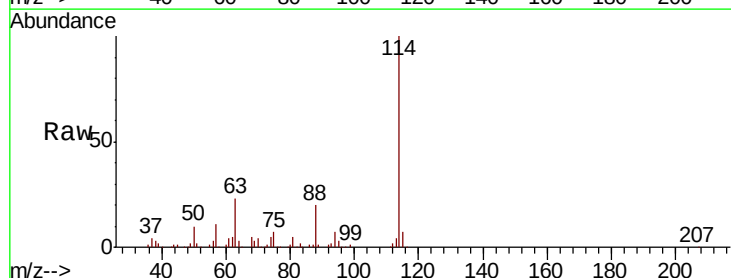
Instrument :
 MSVOA_F
 ClientSampleId :
 WS-GRAVEL-STAINRE

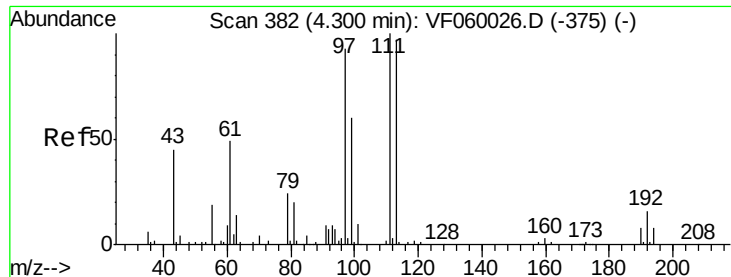
Tot Ion: 65 Resp: 147236
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF060076.D
 Acq: 24 Aug 2018 3:42

Tgt Ion: 114 Resp: 241757
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 40.4
 88 20.3 0.0 38.6





#35

Dibromofluoromethane

Concen: 72.05 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF060076.D

Acq: 24 Aug 2018 3:42

Instrument :

MSVOA_F

ClientSampleId :

WS-GRAVEL-STAINRE

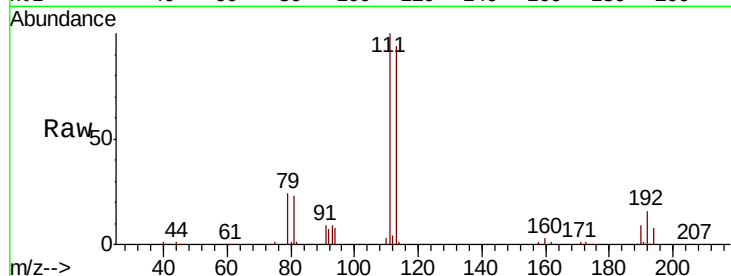
Tot Ion:113 Resp: 136787

Ion Ratio Lower Upper

113 100

111 106.3 82.7 124.1

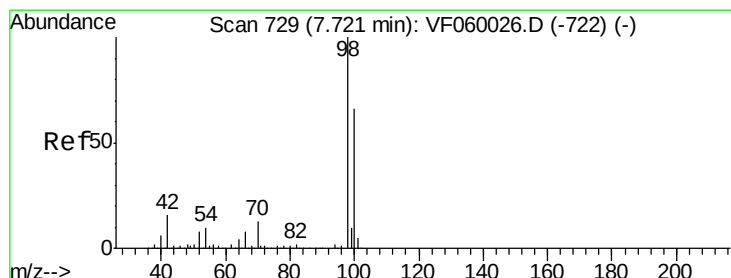
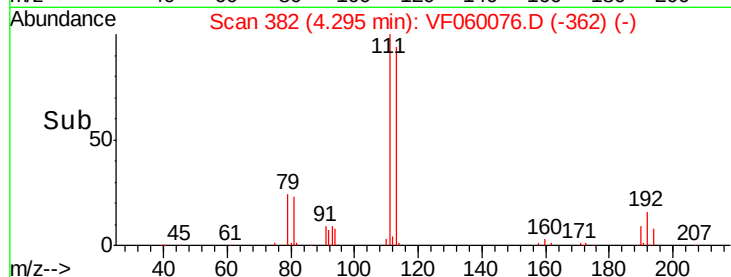
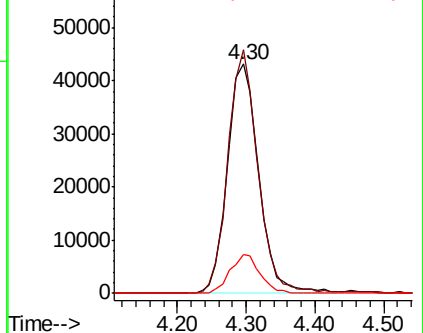
192 17.0 13.0 19.4



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: 54.21 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.00 min

Lab File: VF060076.D

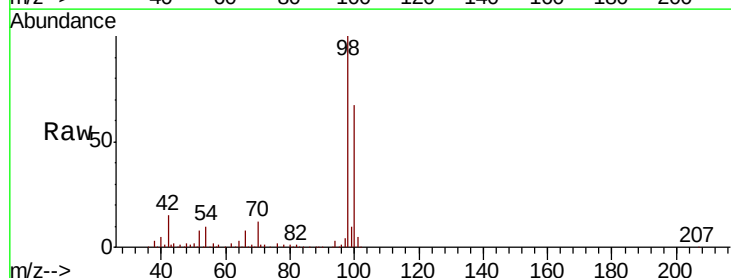
Acq: 24 Aug 2018 3:42

Tgt Ion: 98 Resp: 292253

Ion Ratio Lower Upper

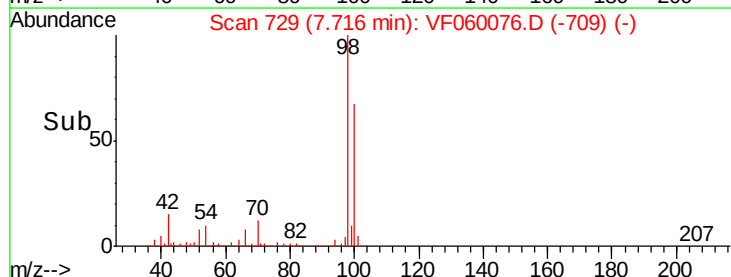
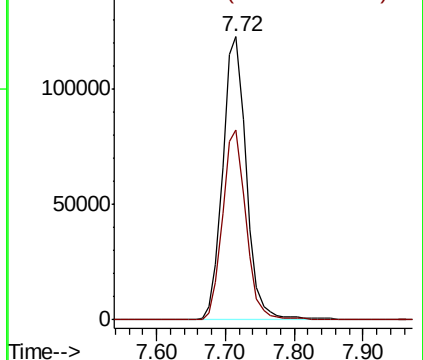
98 100

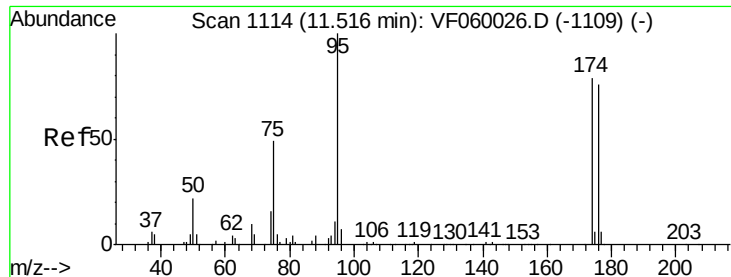
100 67.1 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 33.54 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF060076.D

Acq: 24 Aug 2018 3:42

Instrument :

MSVOA_F

ClientSampleId :

WS-GRAVEL-STAINRE

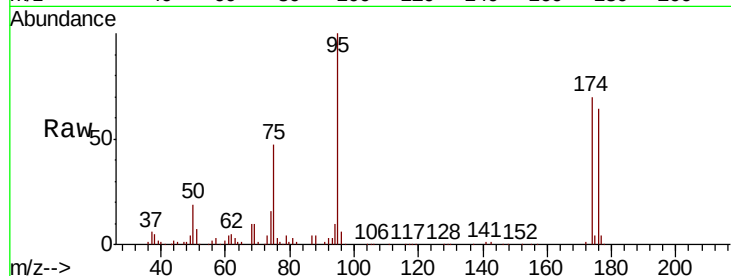
Tot Ion: 95 Resp: 95651

Ion Ratio Lower Upper

95 100

174 70.3 0.0 158.4

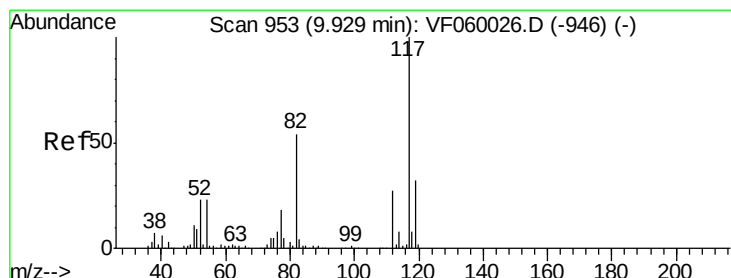
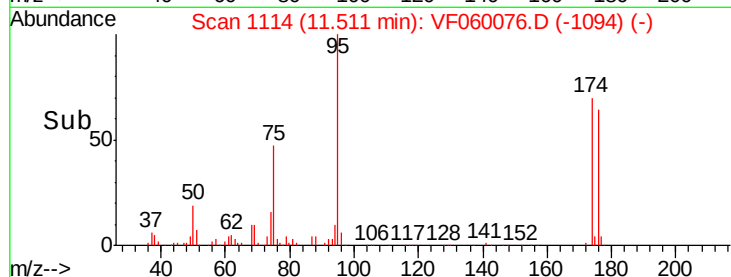
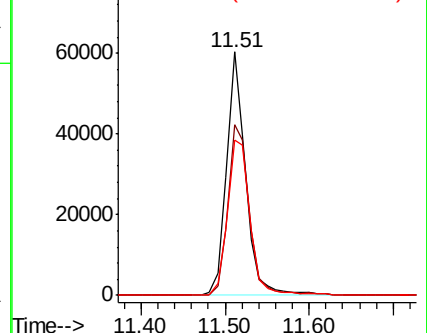
176 64.0 0.0 153.0



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: 9.92 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF060076.D

Acq: 24 Aug 2018 3:42

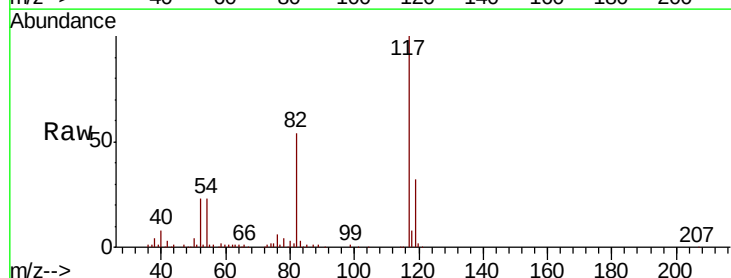
Tgt Ion: 117 Resp: 200246

Ion Ratio Lower Upper

117 100

82 54.2 43.6 65.4

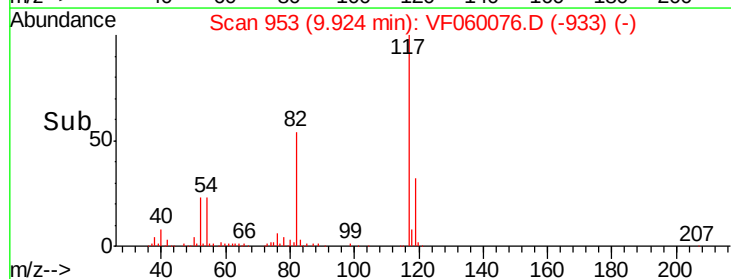
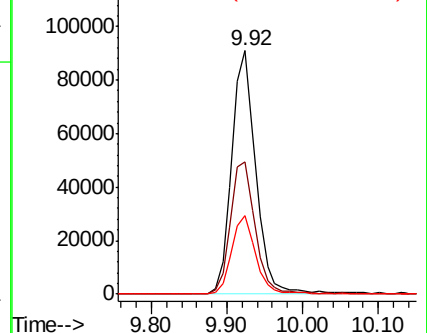
119 32.4 25.6 38.4

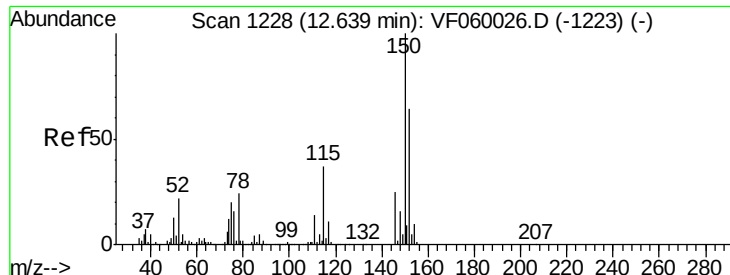


Abundance Ion 117.00 (116.70 to 117.70): VF0

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# 1228

Delta R.T. -0.00 min

Lab File: VF060076.D

Acq: 24 Aug 2018 3:42

Instrument :

MSVOA_F

ClientSampleId :

WS-GRAVEL-STAINRE

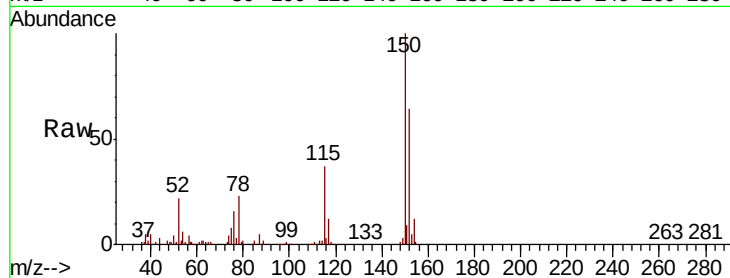
Tot Ion:152 Resp: 63346

Ion Ratio Lower Upper

152 100

115 58.5 28.6 85.9

150 156.4 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

