

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059627.D
 Acq On : 23 Jul 2018 21:21
 Operator : VA/AP
 Sample : J4099-07
 Misc : 6.23g/5mL/MSVOA F/SOIL
 ALS Vial : 98 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 GL-TOPSOIL-07

Quant Time: Jul 24 08:40:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 04:17:55 2018
 Response via : Initial Calibration

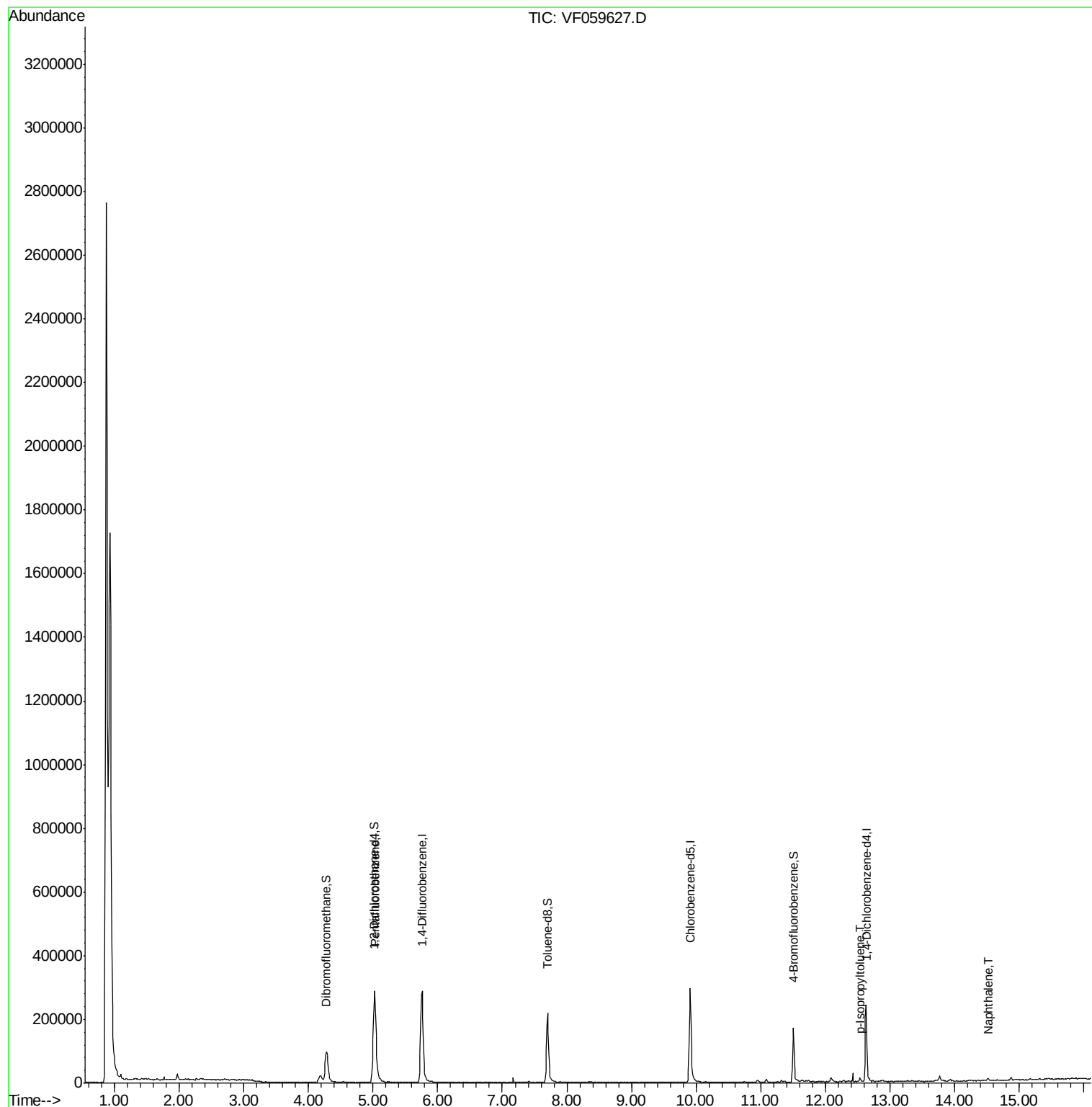
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	208607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	296851	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	197044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	63149	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	107524	32.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	65.50%	
35) Dibromofluoromethane	4.28	113	90287	32.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	65.94%	
50) Toluene-d8	7.70	98	177857	25.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	51.88%	
62) 4-Bromofluorobenzene	11.51	95	59428	15.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	30.02%	
Target Compounds						
86) p-Isopropyltoluene	12.53	119	5709	1.41	ug/l	98
95) Naphthalene	14.52	128	3509	1.56	ug/l	97

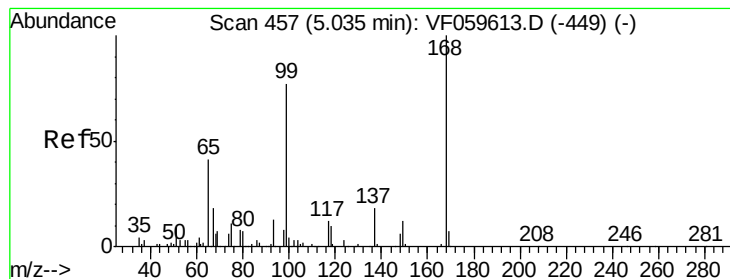
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

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ClientSampleId :

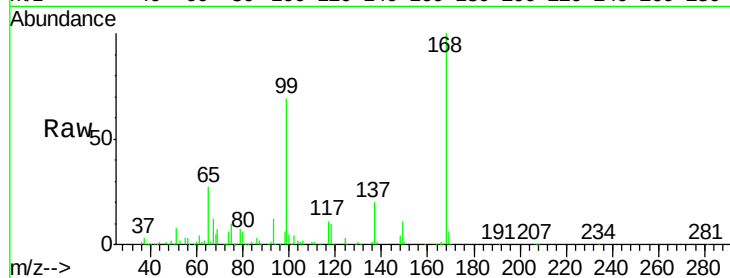
GL-TOPSOIL-07

Tot Ion:168 Resp: 208607

Ion Ratio Lower Upper

168 100

99 69.0 61.5 92.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

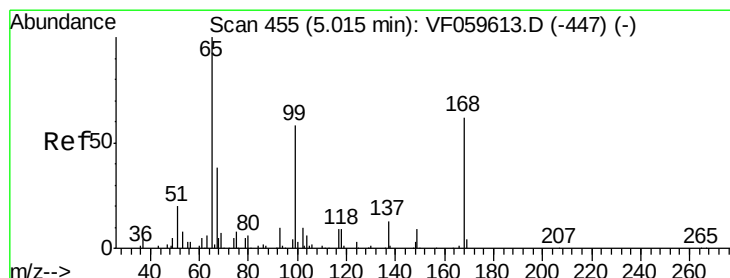
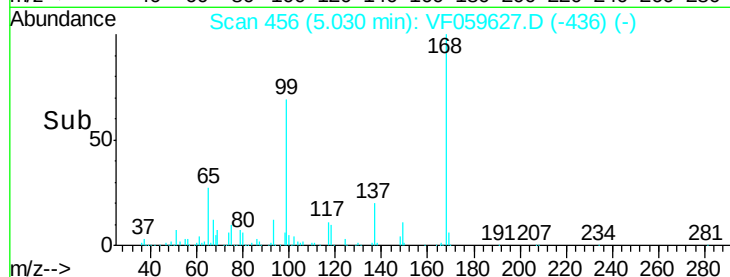
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#33

1,2-Dichloroethane-d4

Concen: 32.75 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059627.D

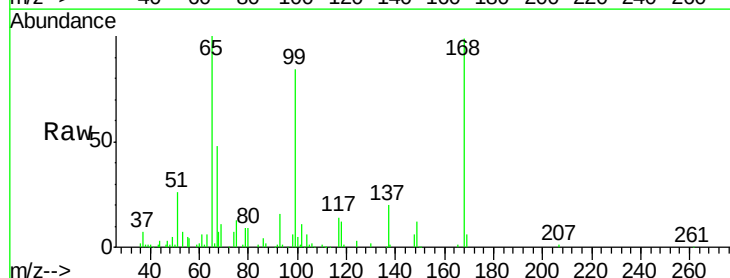
Acq: 23 Jul 2018 21:21

Tgt Ion: 65 Resp: 107524

Ion Ratio Lower Upper

65 100

67 47.6 0.0 83.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.01

40000

30000

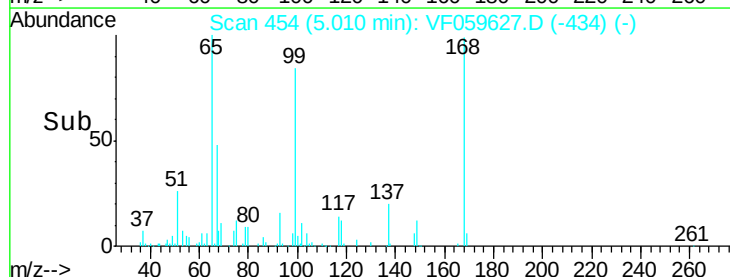
20000

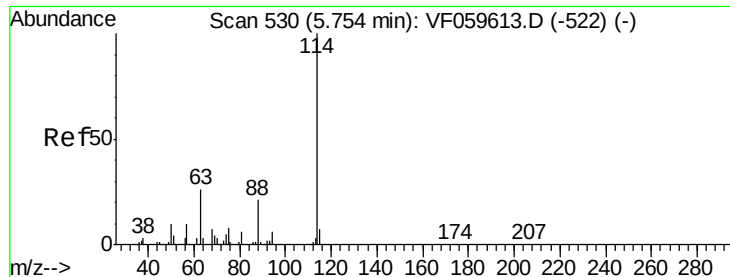
10000

0

Time-->

4.90 5.00 5.10 5.20





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. 0.00 min

Lab File: VF059627.D

Acq: 23 Jul 2018 21:21

Instrument :

MSVOA_F

ClientSampleId :

GL-TOPSOIL-07

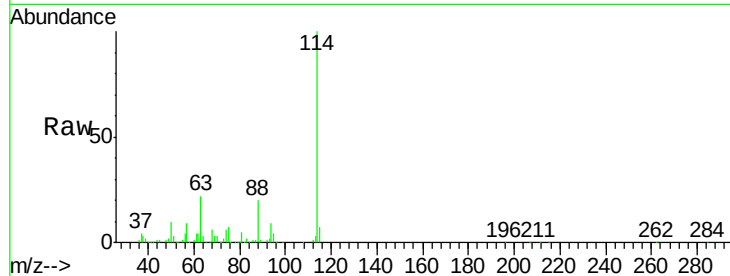
Tot Ion:114 Resp: 296851

Ion Ratio Lower Upper

114 100

63 21.7 0.0 51.8

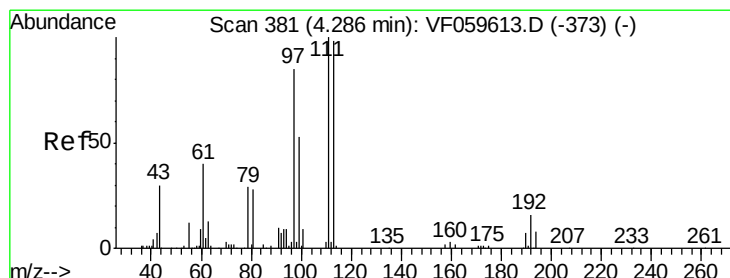
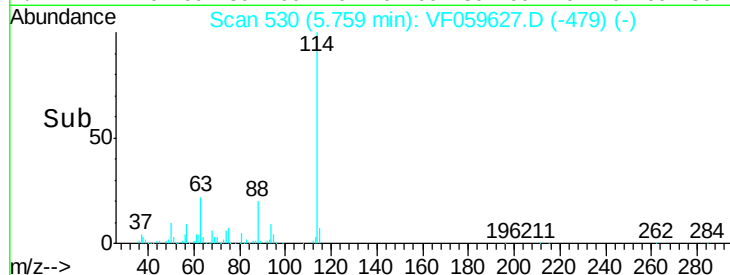
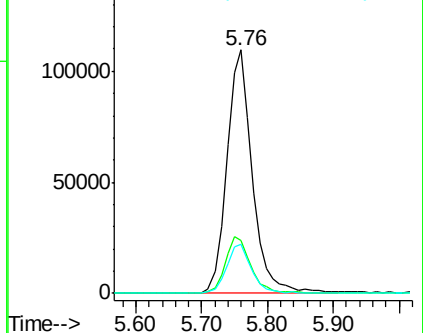
88 20.4 0.0 42.8



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: 32.97 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059627.D

Acq: 23 Jul 2018 21:21

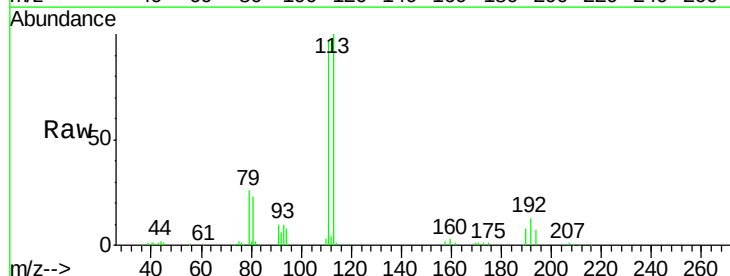
Tgt Ion:113 Resp: 90287

Ion Ratio Lower Upper

113 100

111 96.8 81.5 122.3

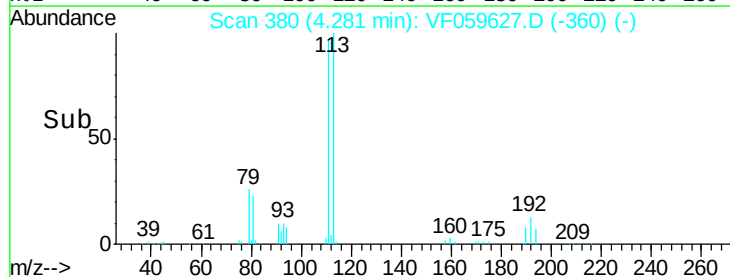
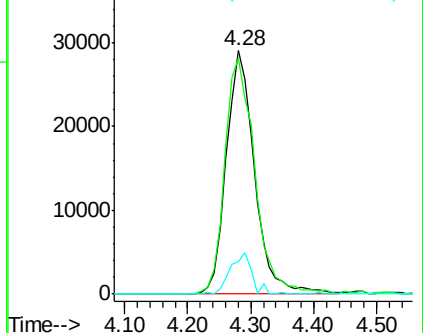
192 13.4 13.4 20.2#

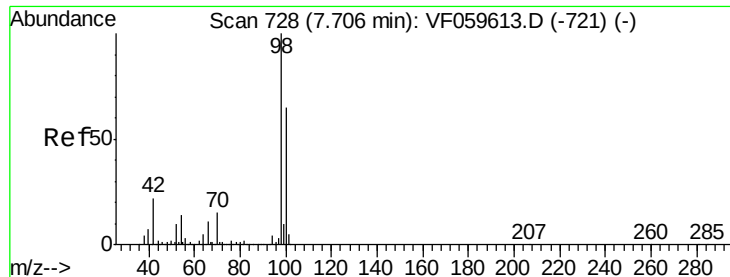


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

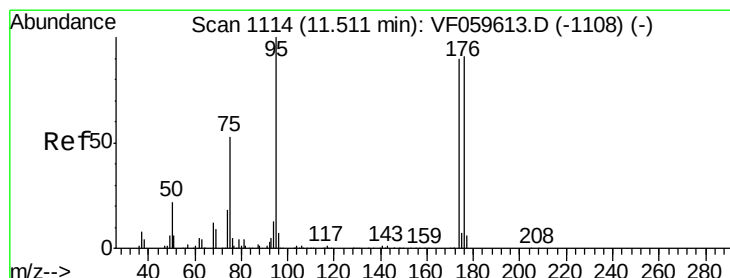
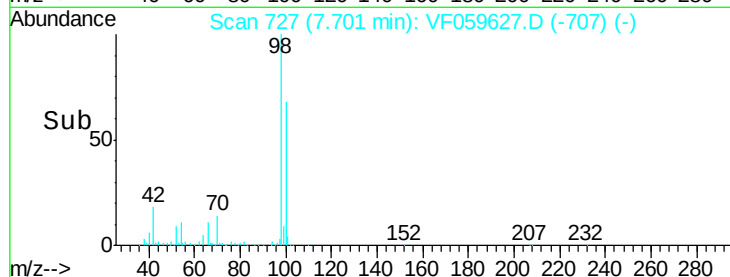
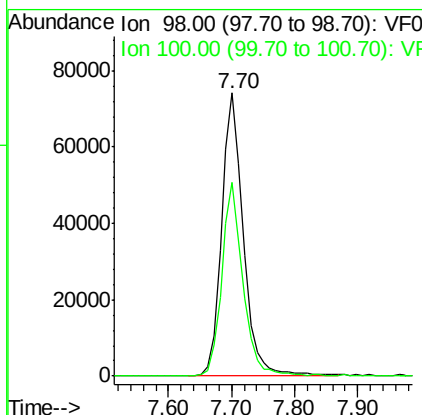
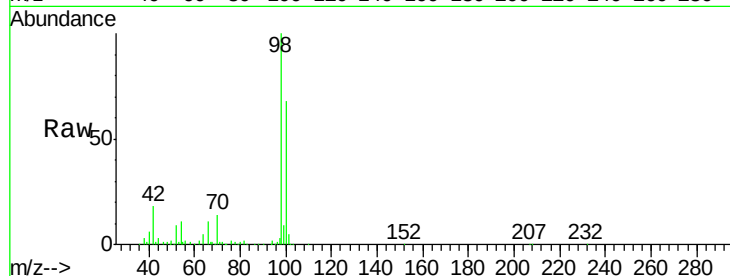




#50
Toluene-d8
Concen: 25.94 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF059627.D
Acq: 23 Jul 2018 21:21

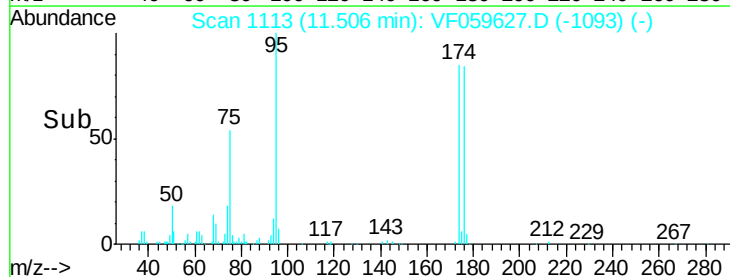
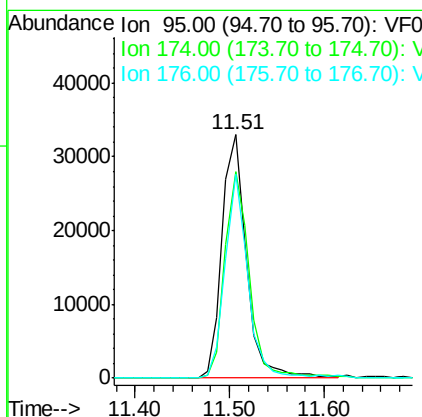
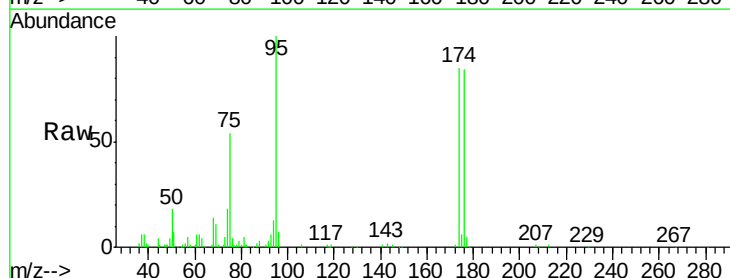
Instrument :
MSVOA_F
ClientSampleId :
GL-TOPSOIL-07

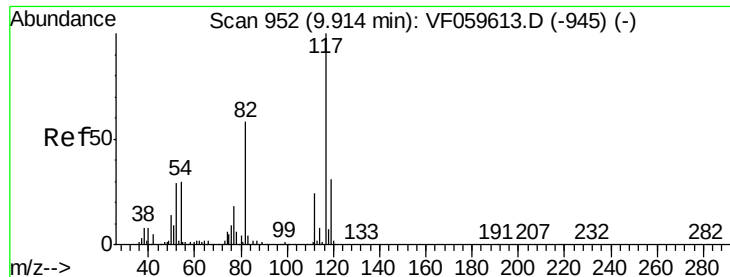
Tot Ion: 98 Resp: 177857
Ion Ratio Lower Upper
98 100
100 68.5 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 15.01 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF059627.D
Acq: 23 Jul 2018 21:21

Tgt Ion: 95 Resp: 59428
Ion Ratio Lower Upper
95 100
174 84.8 0.0 180.6
176 84.0 0.0 182.4

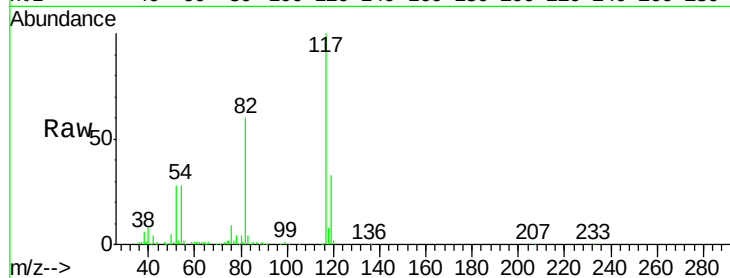




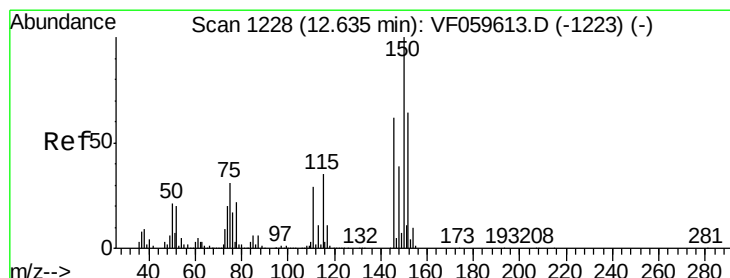
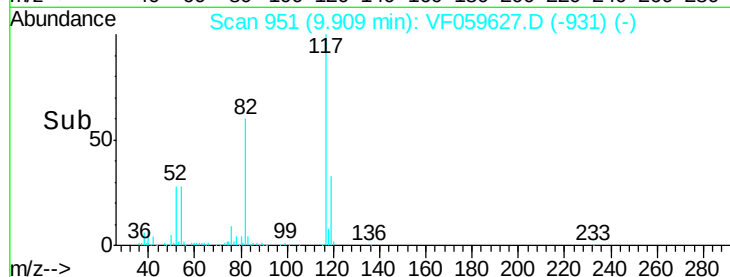
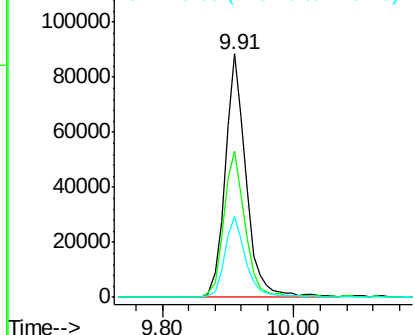
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059627.D
Acq: 23 Jul 2018 21:21

Instrument :
MSVOA_F
ClientSampleId :
GL-TOPSOIL-07

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.9	46.5	69.7
119	33.4	24.4	36.6

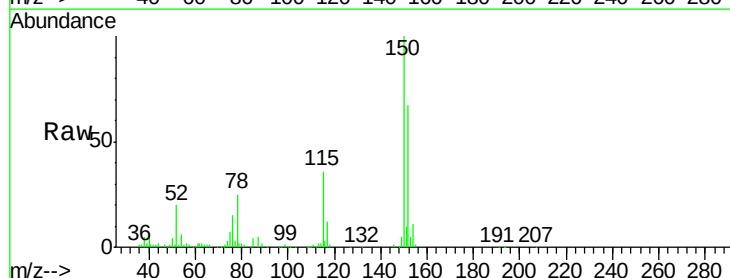


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

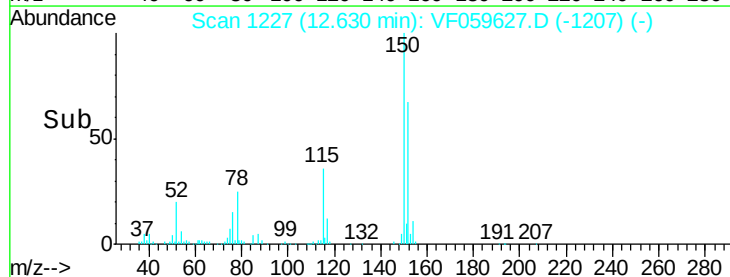
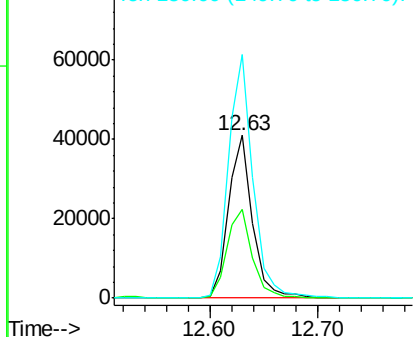


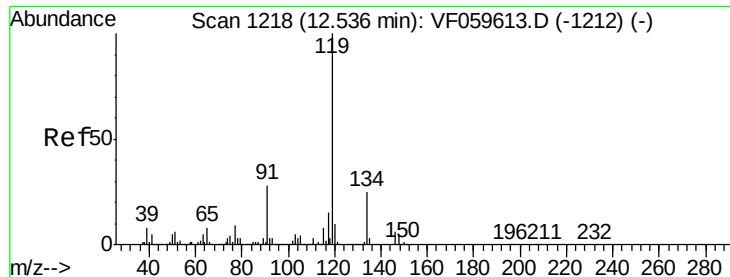
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059627.D
Acq: 23 Jul 2018 21:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.8	83.4
150	149.7	0.0	314.6



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





#86

p-Isopropyltoluene

Concen: 1.41 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059627.D

Acq: 23 Jul 2018 21:21

Instrument :

MSVOA_F

ClientSampleId :

GL-TOPSOIL-07

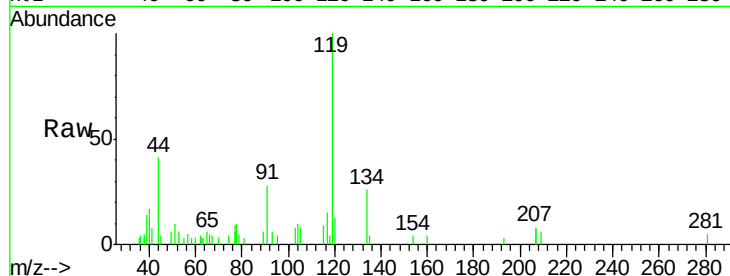
Tot Ion:119 Resp: 5709

Ion Ratio Lower Upper

119 100

134 26.5 12.4 37.2

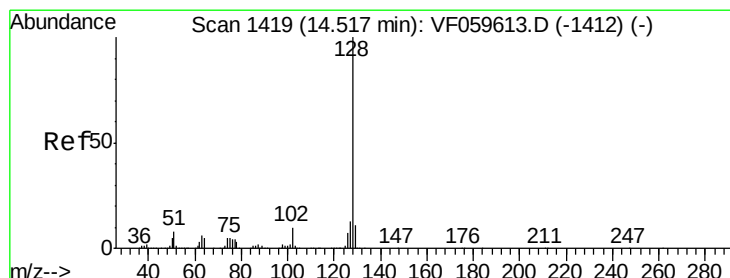
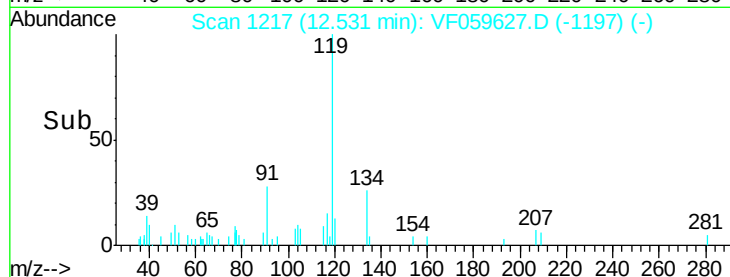
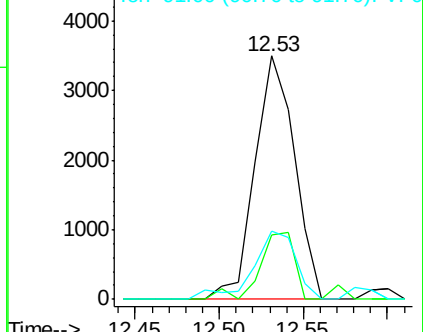
91 28.0 13.9 41.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#95

Naphthalene

Concen: 1.56 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059627.D

Acq: 23 Jul 2018 21:21

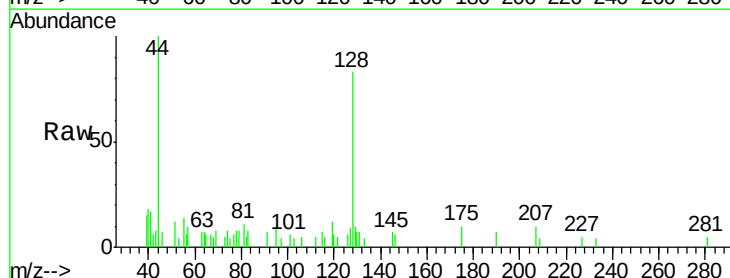
Tgt Ion:128 Resp: 3509

Ion Ratio Lower Upper

128 100

127 10.9 10.2 15.2

129 11.9 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

