

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059621.D
 Acq On : 23 Jul 2018 18:36
 Operator : VA/AP
 Sample : J4099-01
 Misc : 4.19g/5mL/MSVOA F/SOIL
 ALS Vial : 92 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 GL-TOPSOIL-01

Quant Time: Jul 24 08:26:34 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

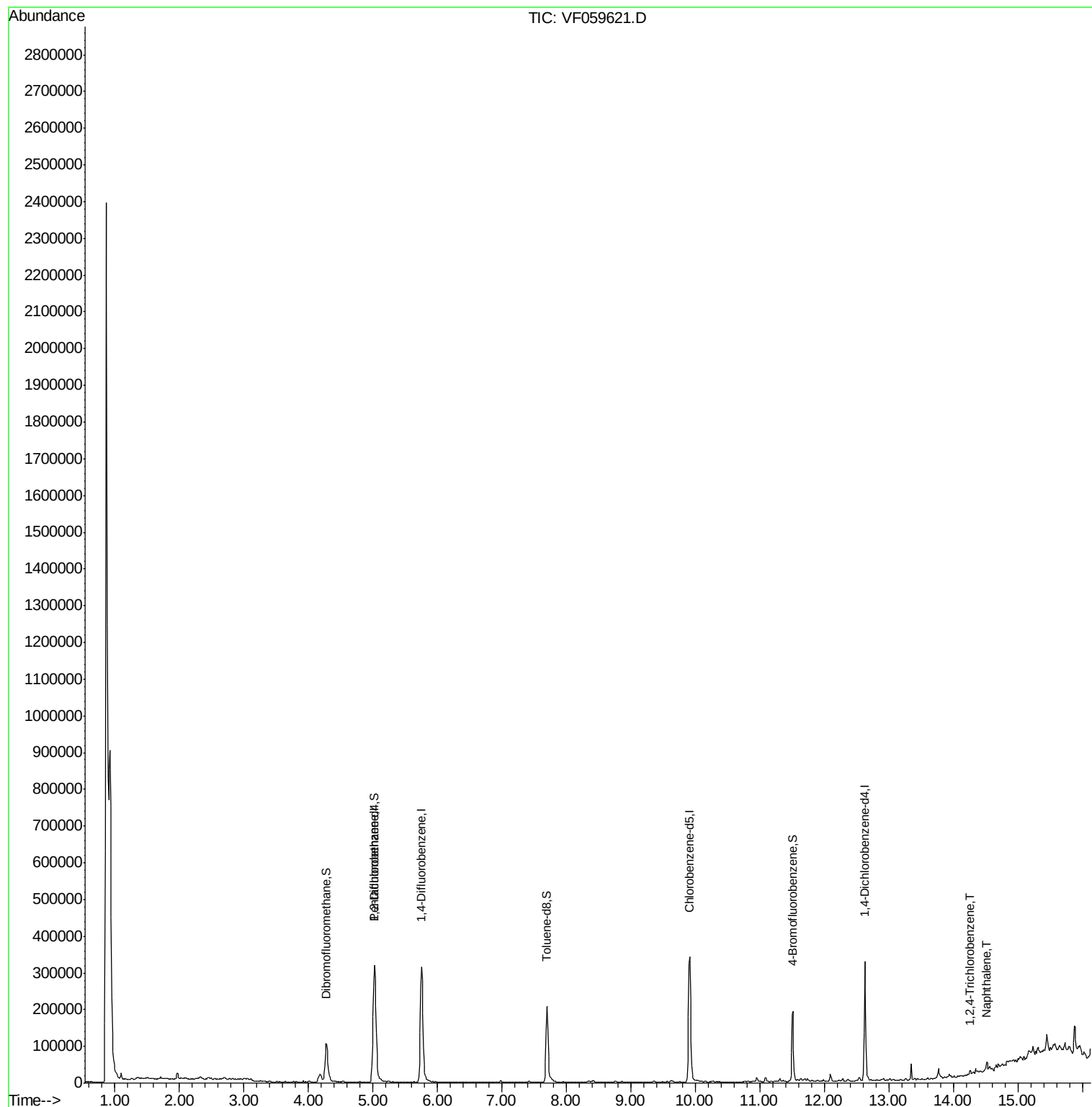
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	231107	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	324064	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	243067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	80143	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	110112	30.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	60.56%	
35) Dibromofluoromethane	4.28	113	99861	33.40	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	66.80%	
50) Toluene-d8	7.71	98	178797	23.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	47.76%	
62) 4-Bromofluorobenzene	11.50	95	73300	16.96	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	33.92%	
Target Compounds						
93) 1,2,4-Trichlorobenzene	14.27	180	3304	1.88	ug/l	# 52
95) Naphthalene	14.52	128	11868	4.15	ug/l	97

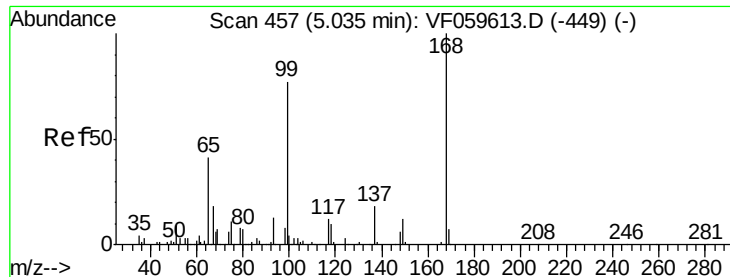
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 24 04:17:55 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF059621.D

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Instrument :

MSVOA_F

ClientSampleId :

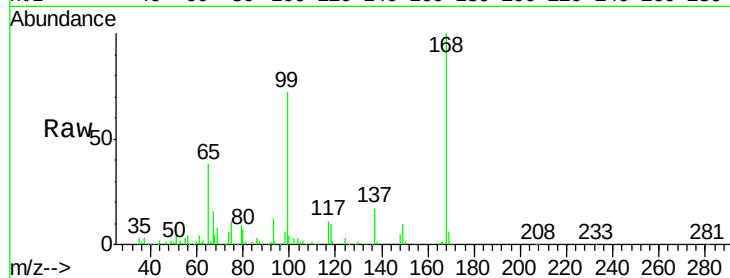
GL-TOPSOIL-01

Tot Ion:168 Resp: 231107

Ion Ratio Lower Upper

168 100

99 72.4 61.5 92.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

80000

60000

40000

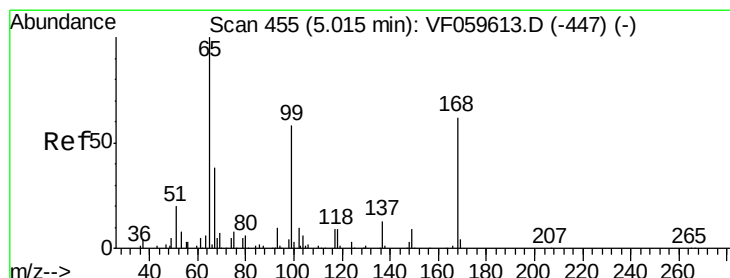
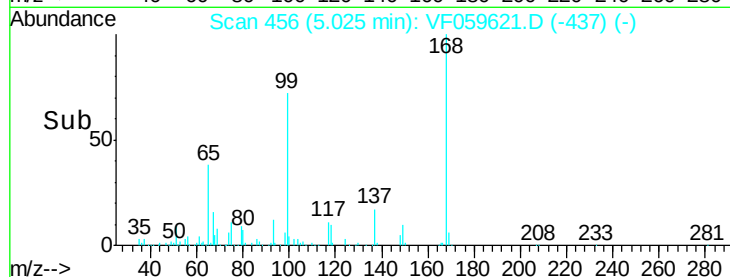
20000

0

5.02

4.90 5.00 5.10 5.20

Time-->



#33

1,2-Dichloroethane-d4

Concen: 30.28 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.00 min

Lab File: VF059621.D

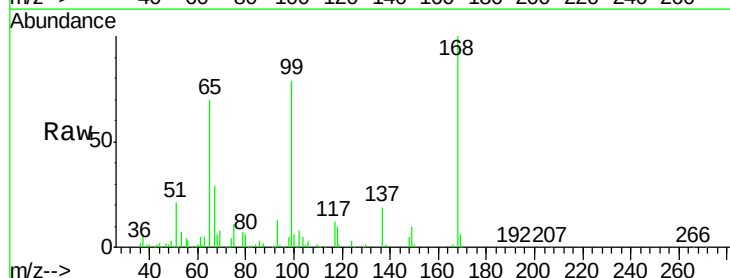
Acq: 23 Jul 2018 18:36

Tgt Ion: 65 Resp: 110112

Ion Ratio Lower Upper

65 100

67 41.6 0.0 83.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

40000

30000

20000

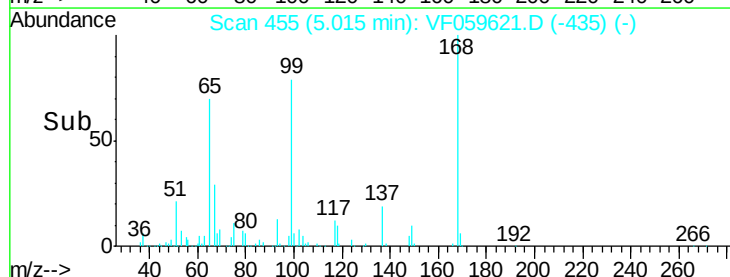
10000

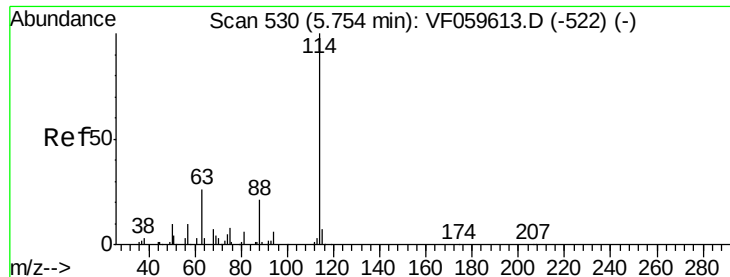
0

5.01

4.90 5.00 5.10 5.20

Time-->





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF059621.D

Acq: 23 Jul 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

GL-TOPSOIL-01

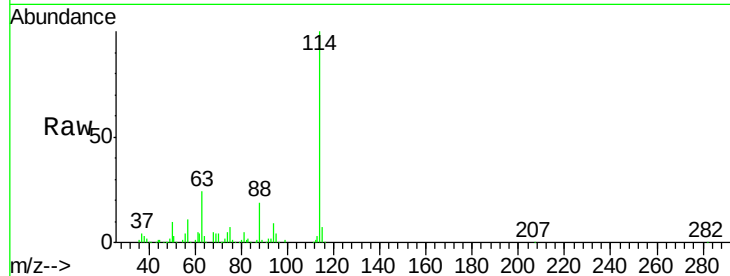
Tot Ion:114 Resp: 324064

Ion Ratio Lower Upper

114 100

63 24.3 0.0 51.8

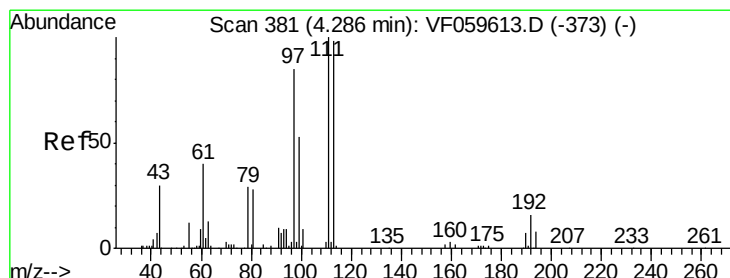
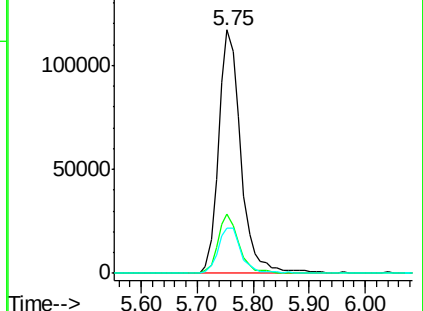
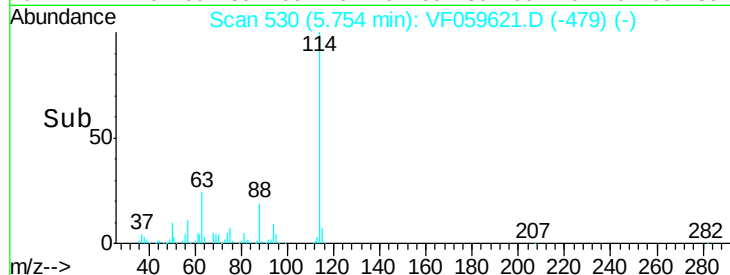
88 18.7 0.0 42.8



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: 33.40 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059621.D

Acq: 23 Jul 2018 18:36

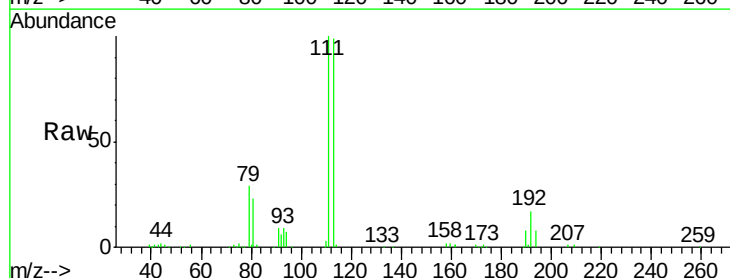
Tgt Ion:113 Resp: 99861

Ion Ratio Lower Upper

113 100

111 100.6 81.5 122.3

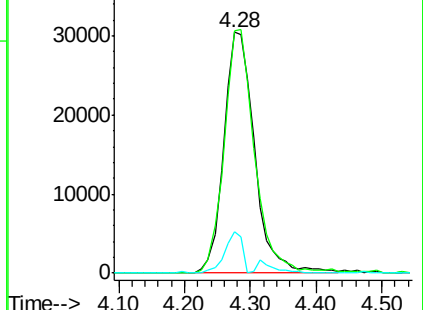
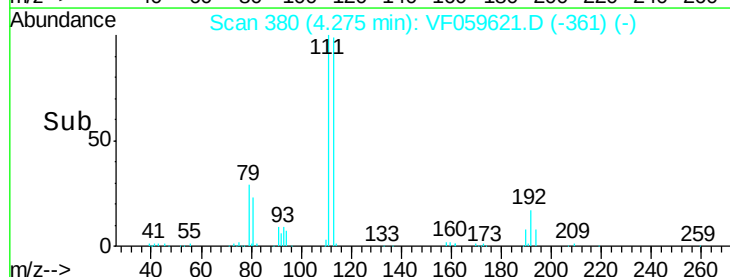
192 17.4 13.4 20.2

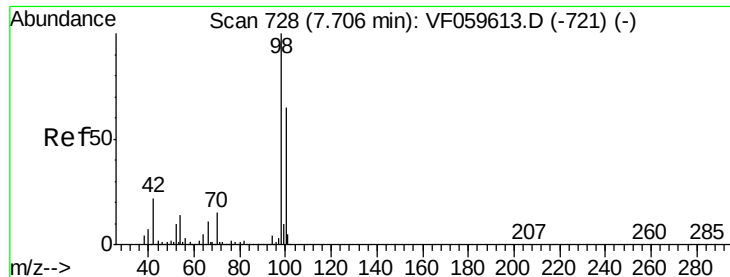


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

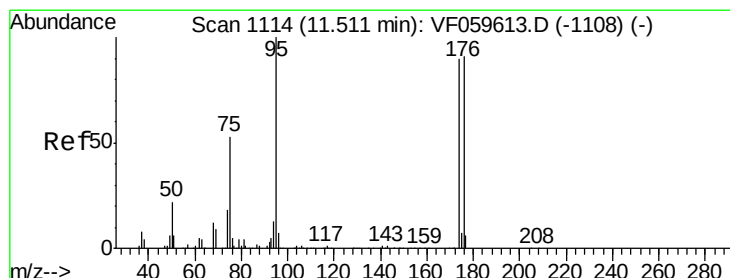
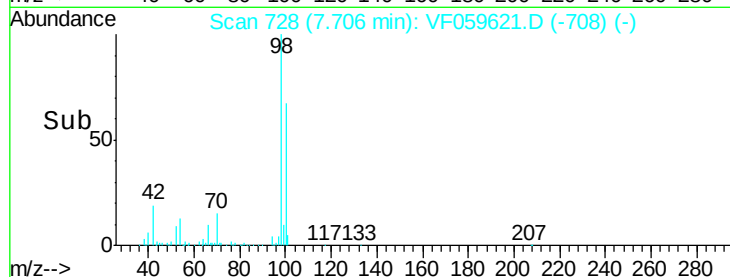
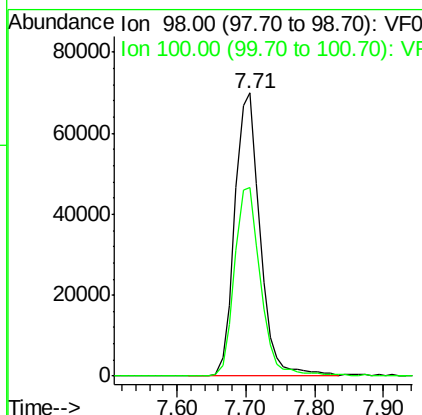
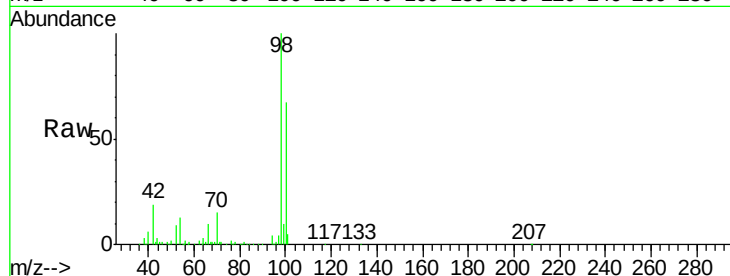




#50
Toluene-d8
Concen: 23.88 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059621.D
Acq: 23 Jul 2018 18:36

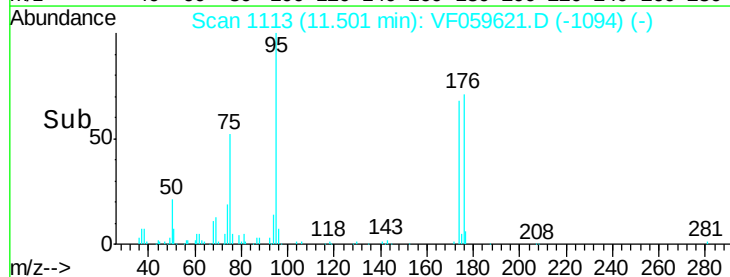
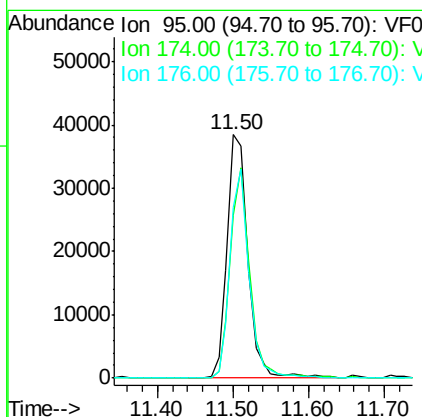
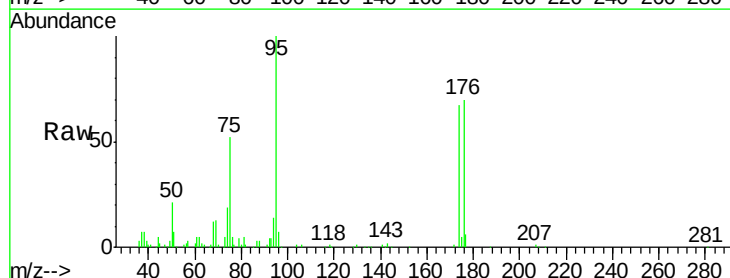
Instrument :
MSVOA_F
ClientSampleId :
GL-TOPSOIL-01

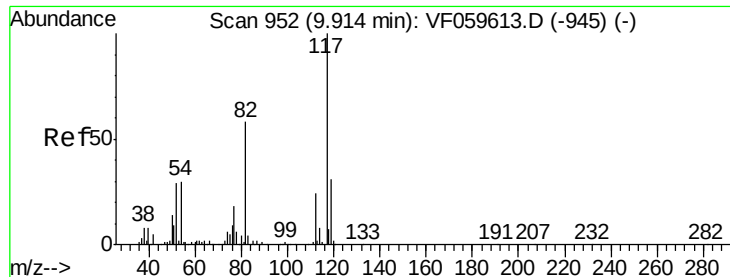
Tot Ion: 98 Resp: 178797
Ion Ratio Lower Upper
98 100
100 66.7 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 16.96 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059621.D
Acq: 23 Jul 2018 18:36

Tgt Ion: 95 Resp: 73300
Ion Ratio Lower Upper
95 100
174 67.1 0.0 180.6
176 69.9 0.0 182.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.91 min Scan# 952

Delta R.T. -0.00 min

Lab File: VF059621.D

Acq: 23 Jul 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

GL-TOPSOIL-01

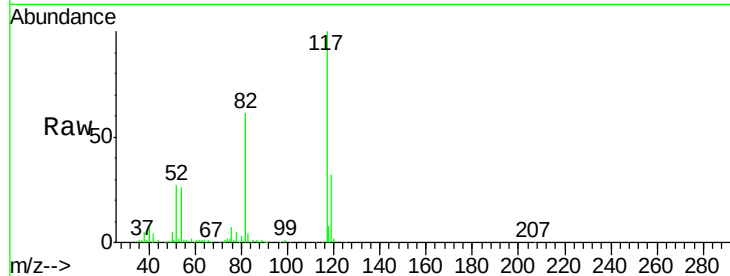
Tot Ion:117 Resp: 243067

Ion Ratio Lower Upper

117 100

82 60.7 46.5 69.7

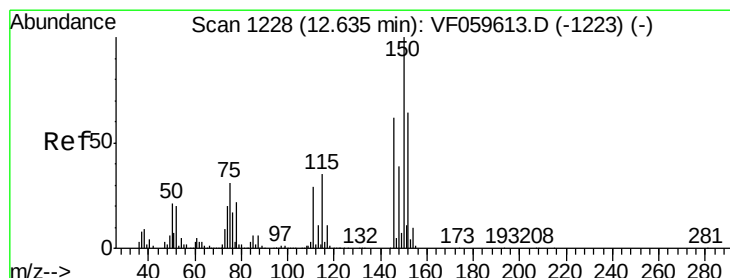
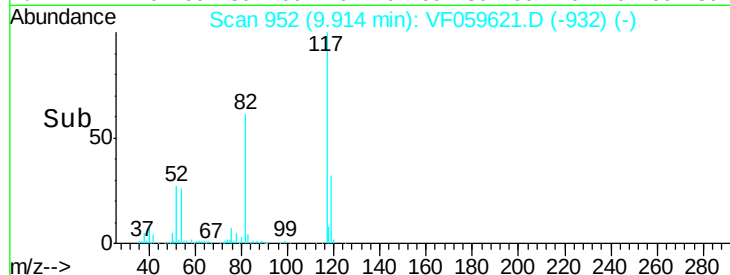
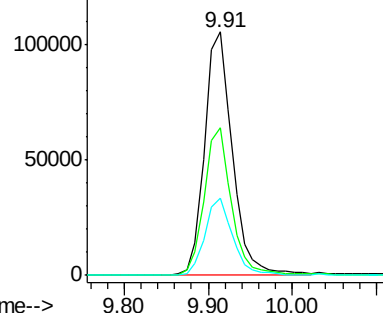
119 32.0 24.4 36.6



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: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059621.D

Acq: 23 Jul 2018 18:36

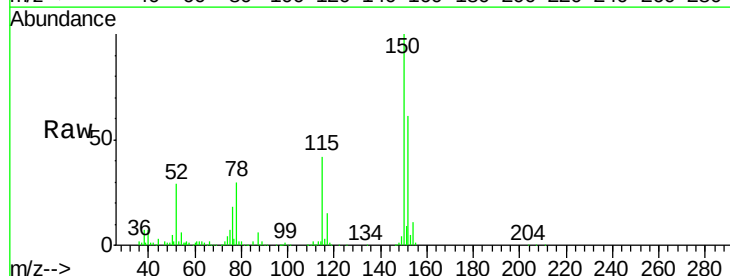
Tgt Ion:152 Resp: 80143

Ion Ratio Lower Upper

152 100

115 69.9 27.8 83.4

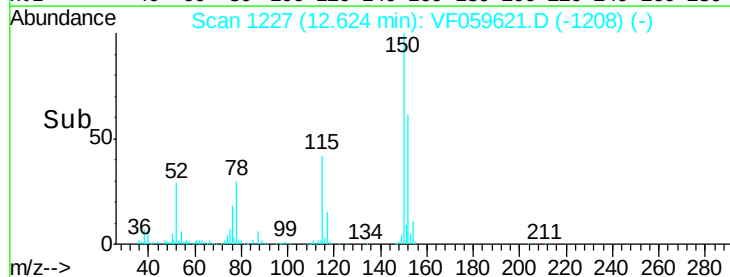
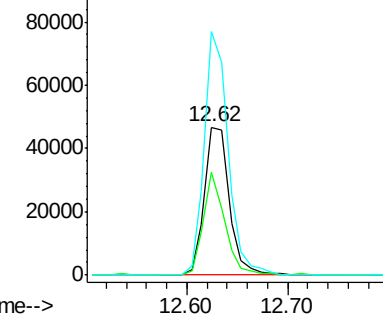
150 164.5 0.0 314.6

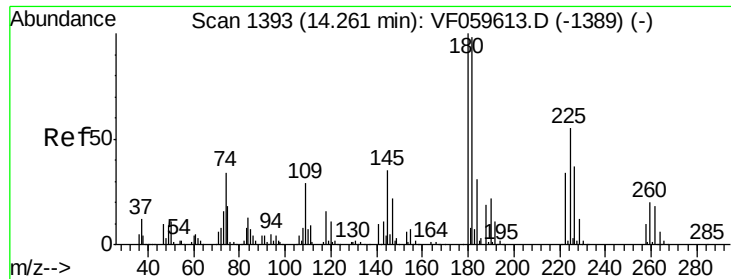


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

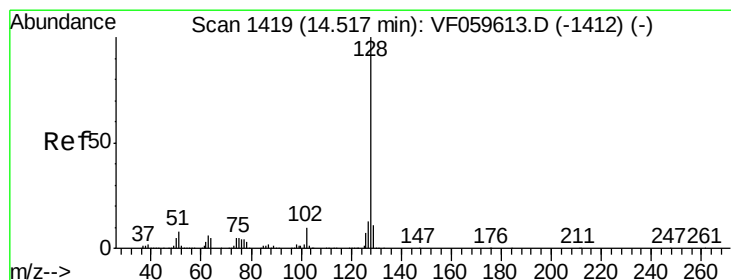
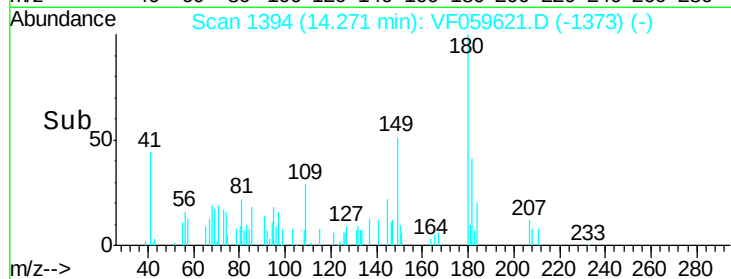
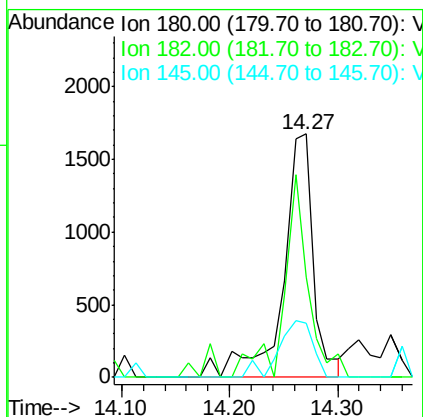
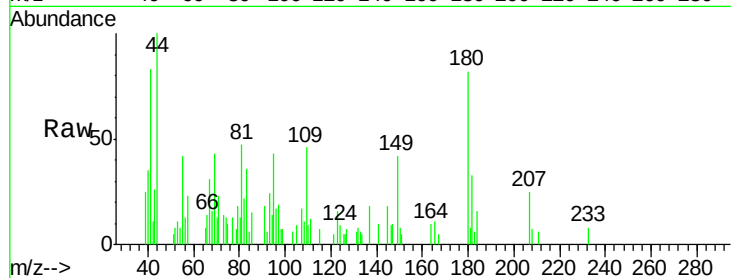




#93
 1,2,4-Trichlorobenzene
 Concen: 1.88 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059621.D
 Acq: 23 Jul 2018 18:36

Instrument :
 MSVOA_F
 ClientSampleId :
 GL-TOPSOIL-01

Tot Ion:180 Resp: 3304
 Ion Ratio Lower Upper
 180 100
 182 40.9 48.8 146.3#
 145 22.5 17.5 52.6



#95
 Naphthalene
 Concen: 4.15 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. -0.00 min
 Lab File: VF059621.D
 Acq: 23 Jul 2018 18:36

Tgt Ion:128 Resp: 11868
 Ion Ratio Lower Upper
 128 100
 127 11.6 10.2 15.2
 129 10.1 9.1 13.7

