

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059626.D
 Acq On : 23 Jul 2018 20:54
 Operator : VA/AP
 Sample : J4099-06
 Misc : 5.66g/5mL/MSVOA F/SOIL
 ALS Vial : 97 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 GL-TOPSOIL-06

Quant Time: Jul 24 08:37:59 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	17226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	20372	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	12799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	2067	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	3187	11.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.52%	
35) Dibromofluoromethane	4.29	113	4858	25.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	51.70%	
50) Toluene-d8	7.70	98	11001	23.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.76%	
62) 4-Bromofluorobenzene	11.51	95	3046	11.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.42%	

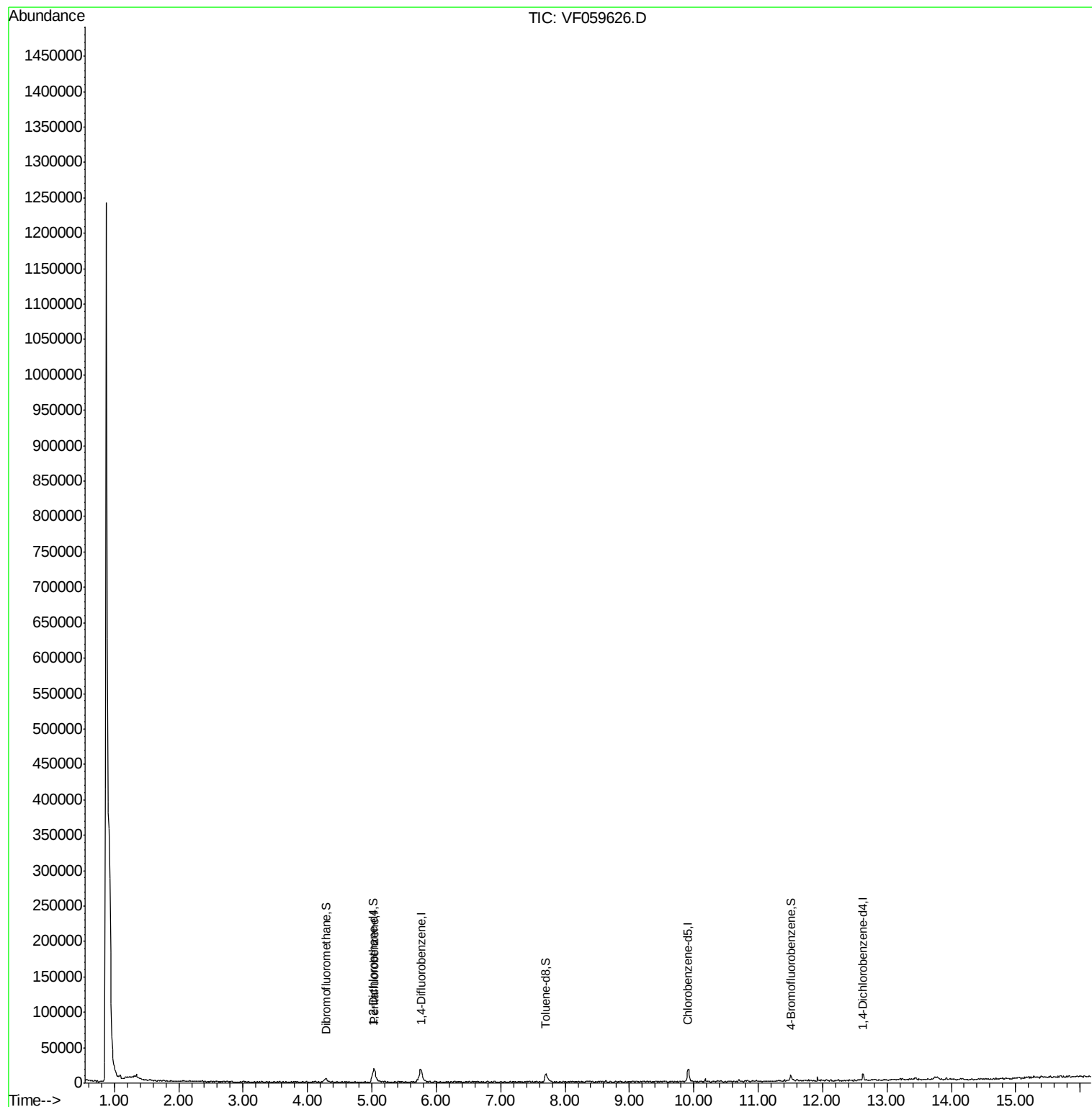
Target Compounds	Qvalue

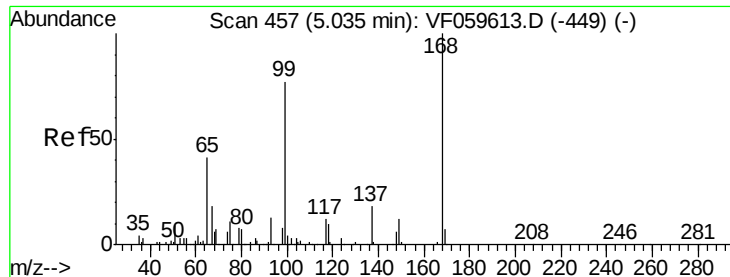
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059626.D

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Instrument :

MSVOA_F

ClientSampleId :

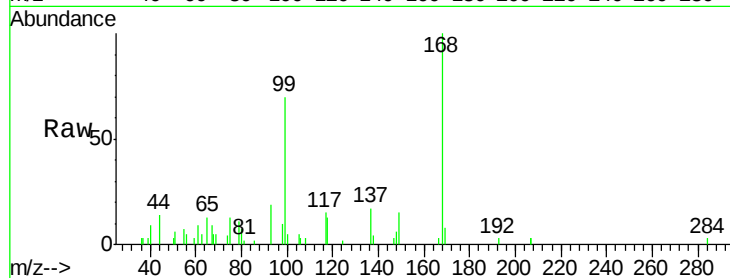
GL-TOPSOIL-06

Tot Ion:168 Resp: 17226

Ion Ratio Lower Upper

168 100

99 70.3 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

4000

3000

2000

1000

0

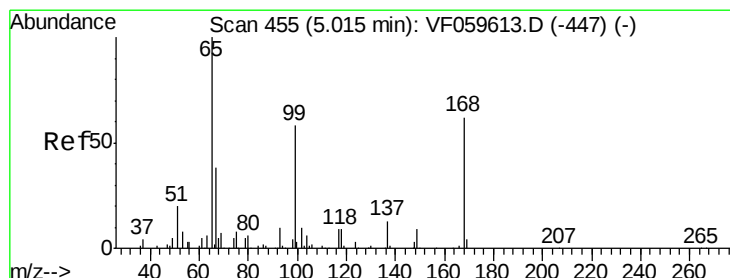
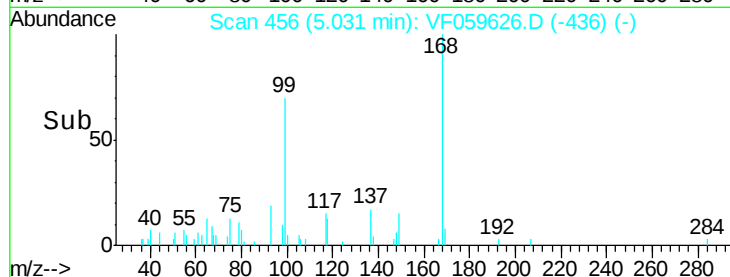
4.90

5.00

5.10

5.20

Time-->



#33

1,2-Dichloroethane-d4

Concen: 11.76 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059626.D

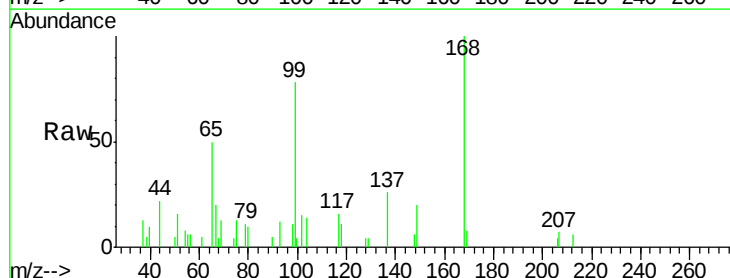
Acq: 23 Jul 2018 20:54

Tgt Ion: 65 Resp: 3187

Ion Ratio Lower Upper

65 100

67 40.8 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

1000

500

0

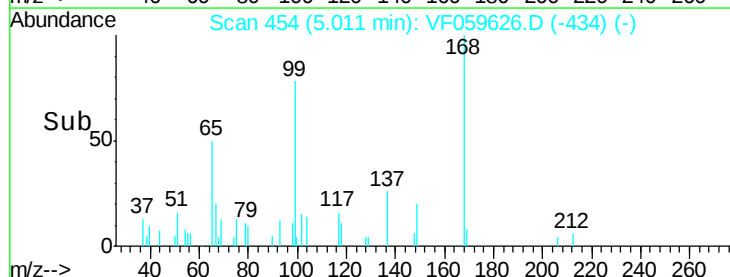
4.95

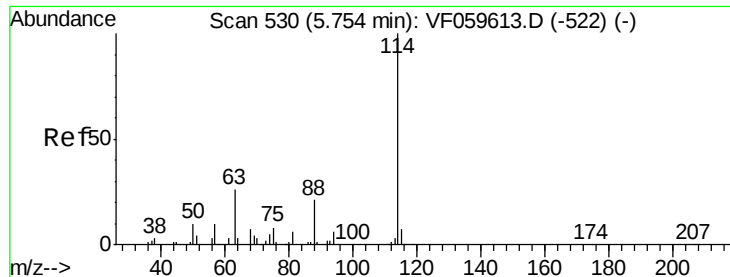
5.00

5.05

5.10

Time-->





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 529

Delta R.T. -0.00 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

GL-TOPSOIL-06

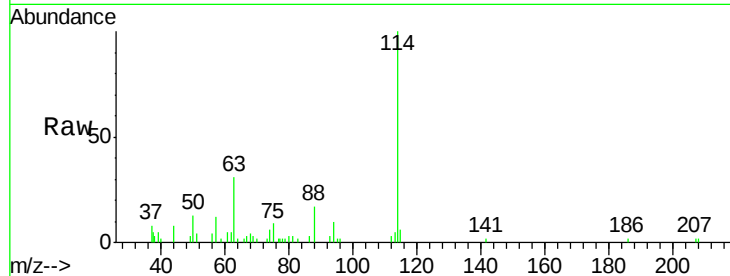
Tot Ion:114 Resp: 20372

Ion Ratio Lower Upper

114 100

63 31.0 0.0 51.8

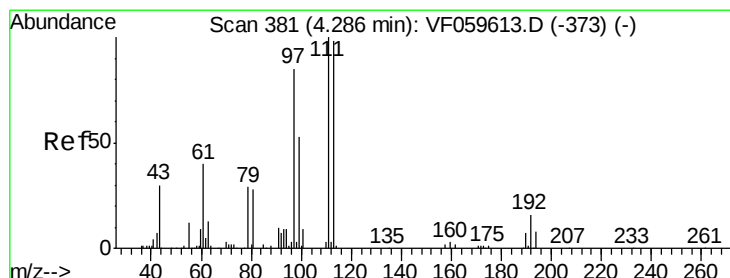
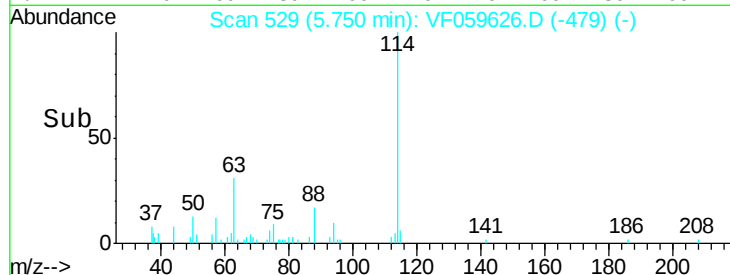
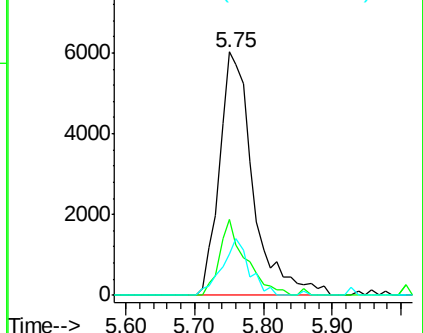
88 17.1 0.0 42.8



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: 25.85 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

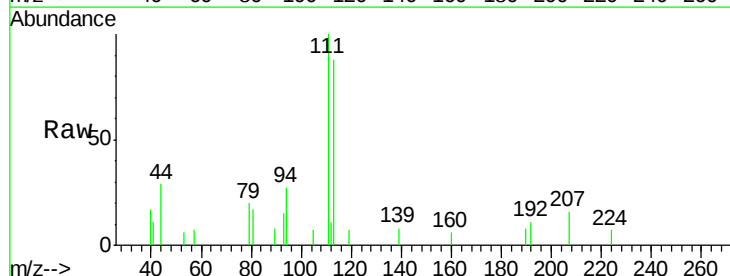
Tgt Ion:113 Resp: 4858

Ion Ratio Lower Upper

113 100

111 113.9 81.5 122.3

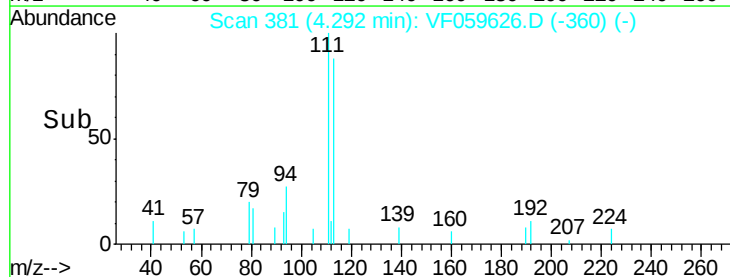
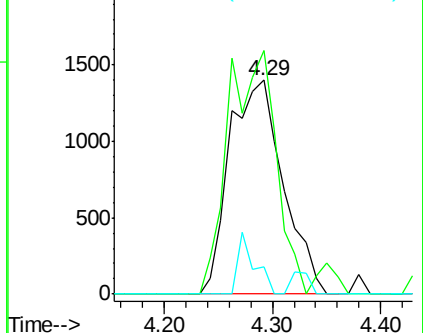
192 12.5 13.4 20.2#

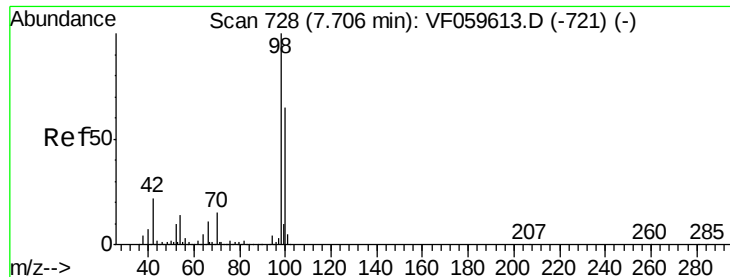


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 23.38 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.00 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

Instrument :

MSVOA_F

ClientSampleId :

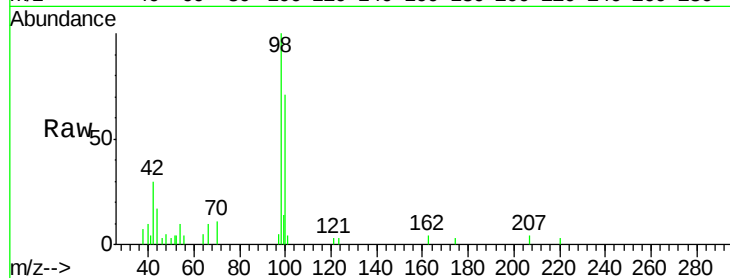
GL-TOPSOIL-06

Tot Ion: 98 Resp: 11001

Ion Ratio Lower Upper

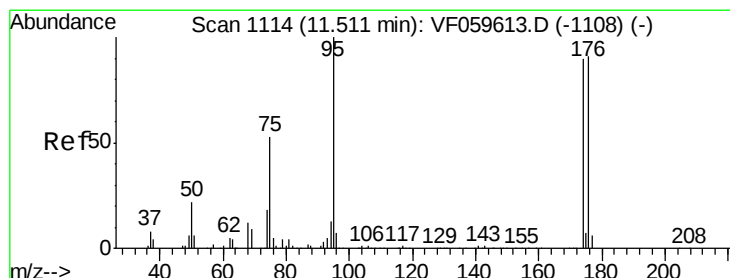
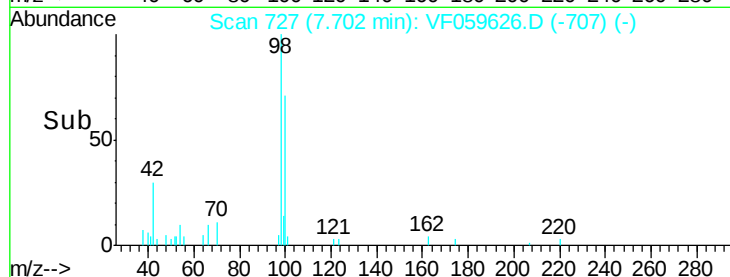
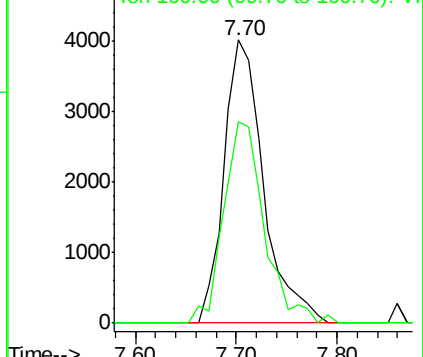
98 100

100 71.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#62

4-Bromofluorobenzene

Concen: 11.21 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059626.D

Acq: 23 Jul 2018 20:54

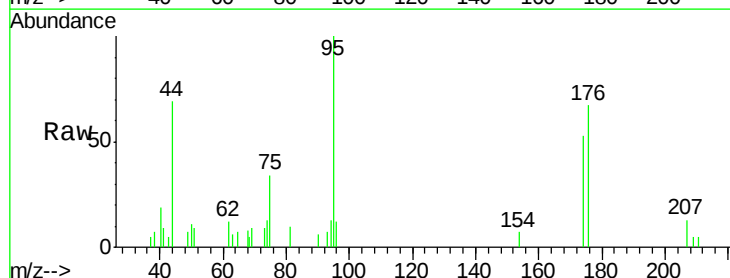
Tgt Ion: 95 Resp: 3046

Ion Ratio Lower Upper

95 100

174 53.5 0.0 180.6

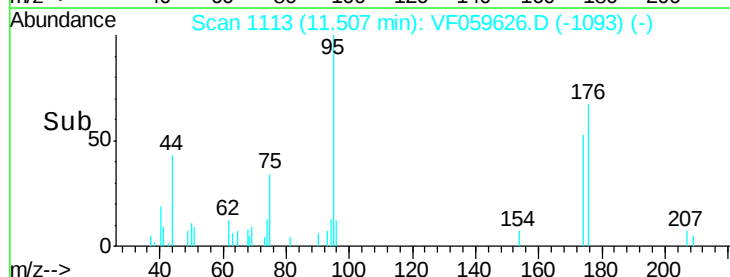
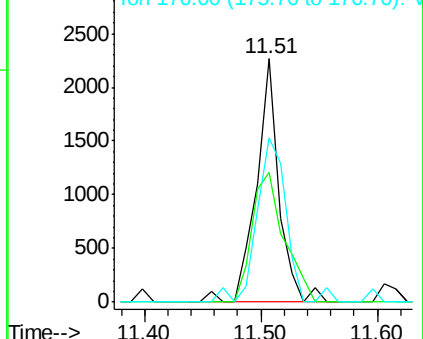
176 67.5 0.0 182.4

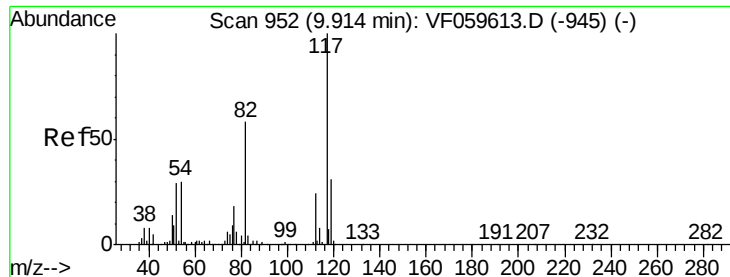


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

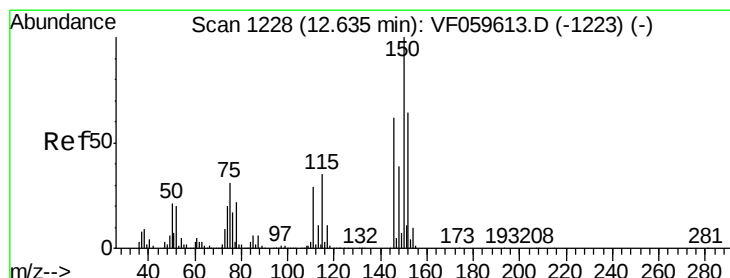
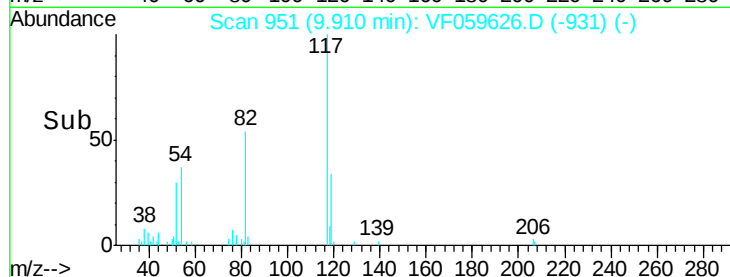
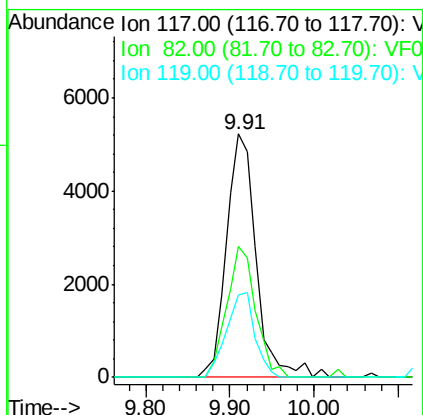
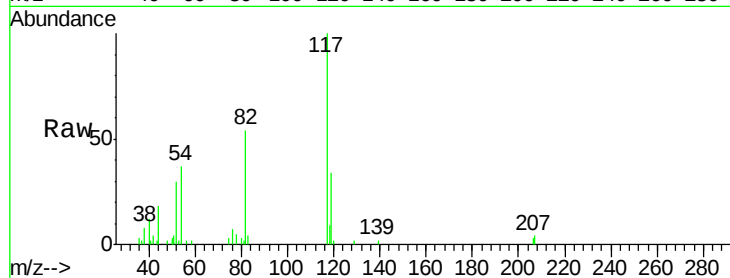




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059626.D
Acq: 23 Jul 2018 20:54

Instrument :
MSVOA_F
ClientSampleId :
GL-TOPSOIL-06

Tot Ion:117 Resp: 12799
Ion Ratio Lower Upper
117 100
82 54.0 46.5 69.7
119 33.6 24.4 36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059626.D
Acq: 23 Jul 2018 20:54

Tgt Ion:152 Resp: 2067
Ion Ratio Lower Upper
152 100
115 55.0 27.8 83.4
150 135.1 0.0 314.6

