

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059624.D
 Acq On : 23 Jul 2018 19:59
 Operator : VA/AP
 Sample : J4099-04
 Misc : 5.52g/5mL/MSVOA F/SOIL
 ALS Vial : 95 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 GL-TOPSOIL-04

Quant Time: Jul 24 08:33:13 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	230862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	337826	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	237826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	68593	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	105668	29.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	58.18%	
35) Dibromofluoromethane	4.28	113	95429	30.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	61.24%	
50) Toluene-d8	7.70	98	191329	24.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	49.04%	
62) 4-Bromofluorobenzene	11.51	95	64098	14.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	28.46%	

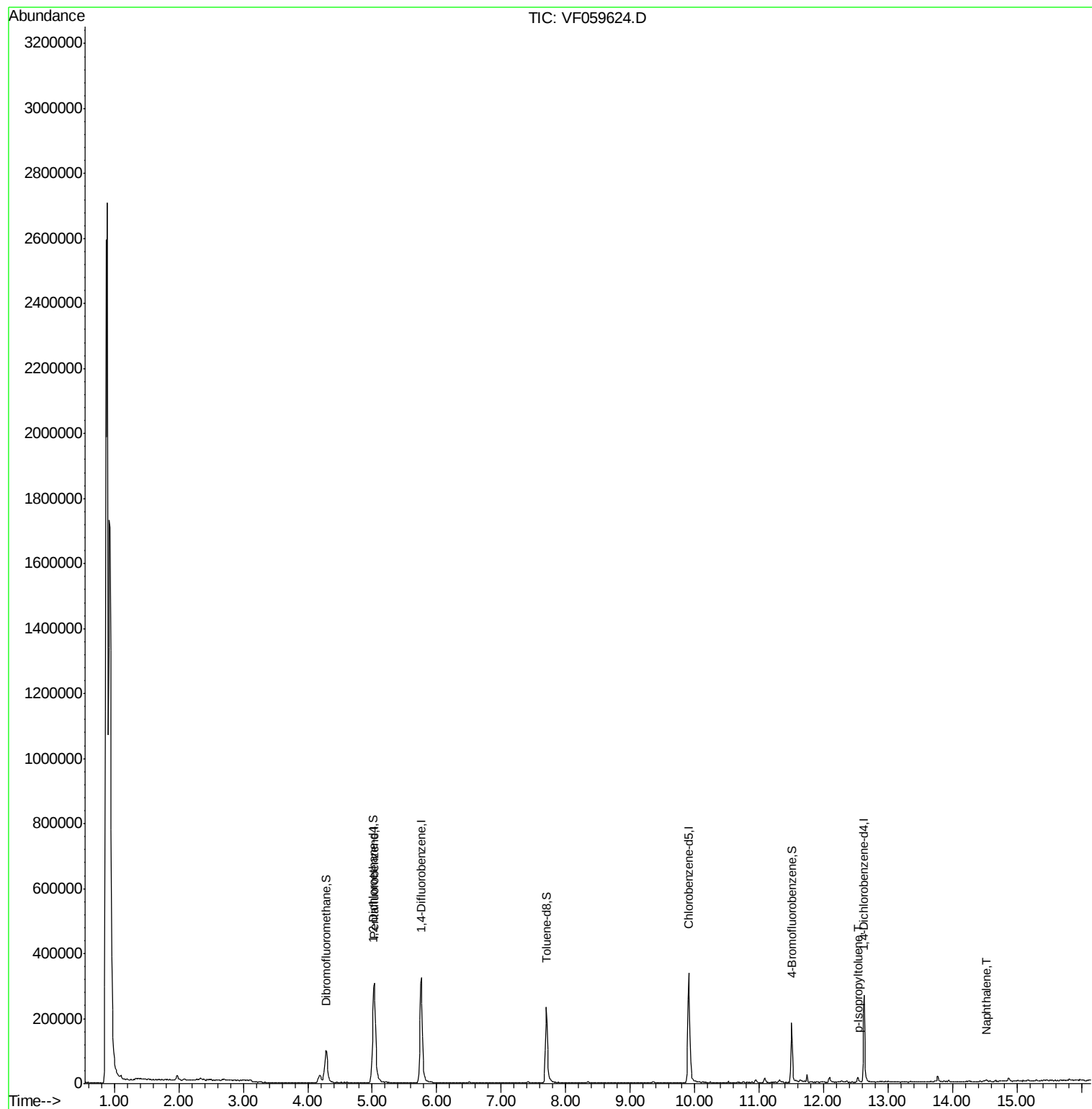
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
86) p-Isopropyltoluene	12.53	119	7367	1.68	ug/l	88
95) Naphthalene	14.52	128	3047	1.24	ug/l	# 92

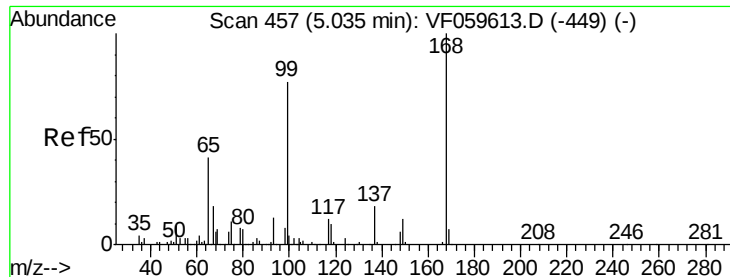
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059624.D

Acq: 23 Jul 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

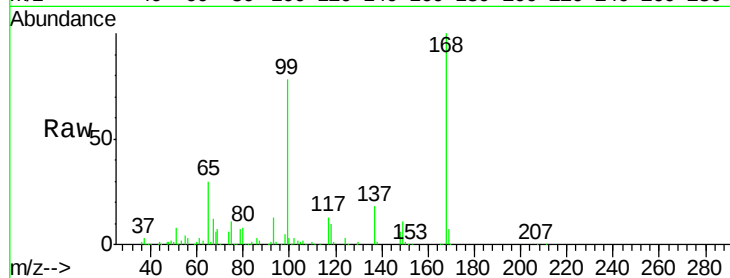
GL-TOPSOIL-04

Tot Ion:168 Resp: 230862

Ion Ratio Lower Upper

168 100

99 77.8 61.5 92.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

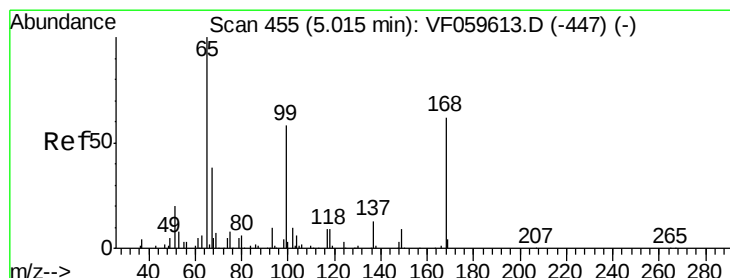
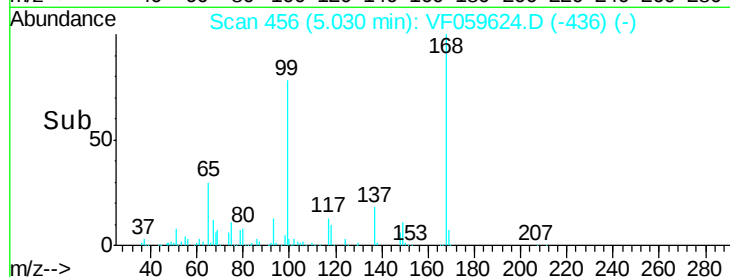
60000

40000

20000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#33

1,2-Dichloroethane-d4

Concen: 29.09 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059624.D

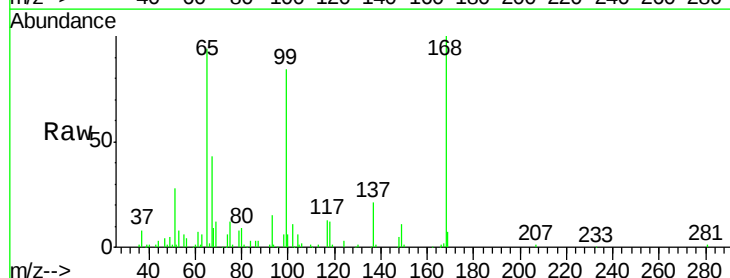
Acq: 23 Jul 2018 19:59

Tgt Ion: 65 Resp: 105668

Ion Ratio Lower Upper

65 100

67 45.5 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

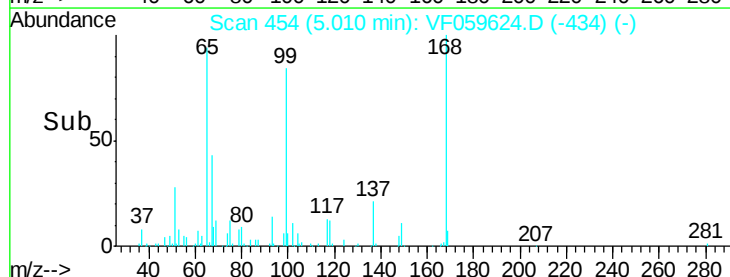
30000

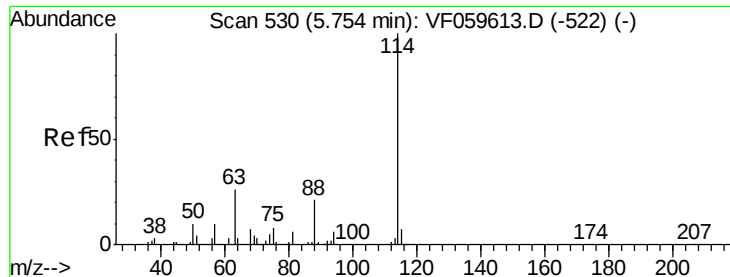
20000

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. 0.01 min

Lab File: VF059624.D

Acq: 23 Jul 2018 19:59

Instrument :

MSVOA_F

ClientSampleId :

GL-TOPSOIL-04

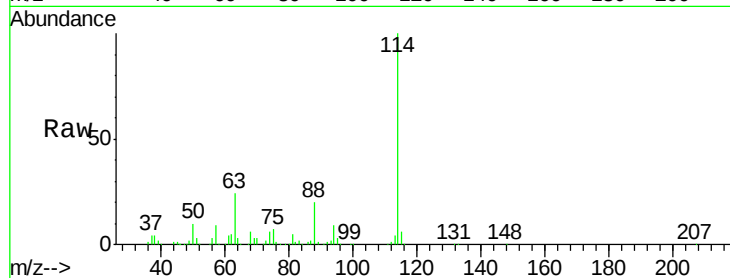
Tot Ion:114 Resp: 337826

Ion Ratio Lower Upper

114 100

63 23.6 0.0 51.8

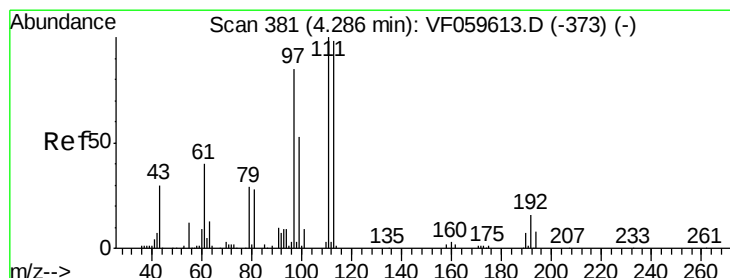
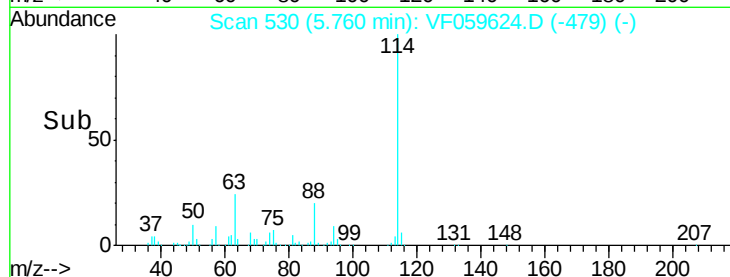
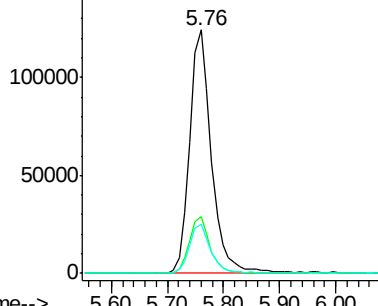
88 20.1 0.0 42.8



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: 30.62 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059624.D

Acq: 23 Jul 2018 19:59

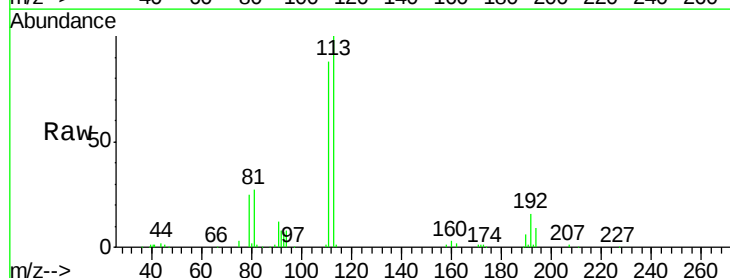
Tgt Ion:113 Resp: 95429

Ion Ratio Lower Upper

113 100

111 88.0 81.5 122.3

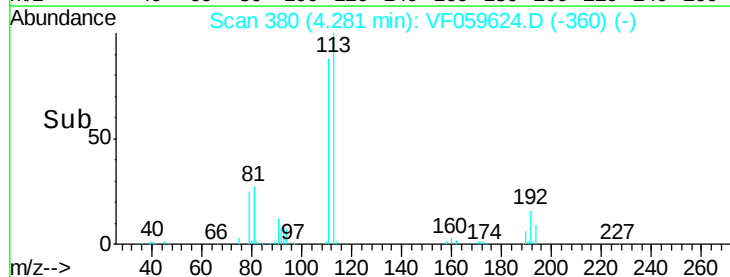
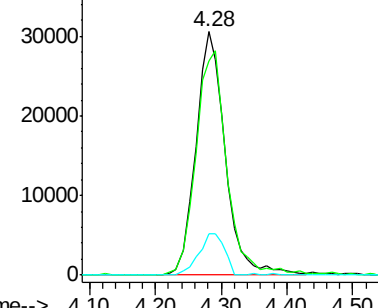
192 16.9 13.4 20.2

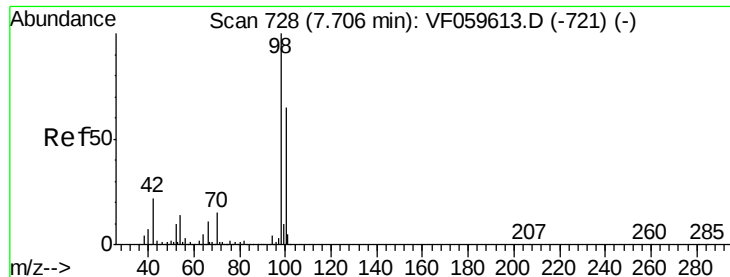


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

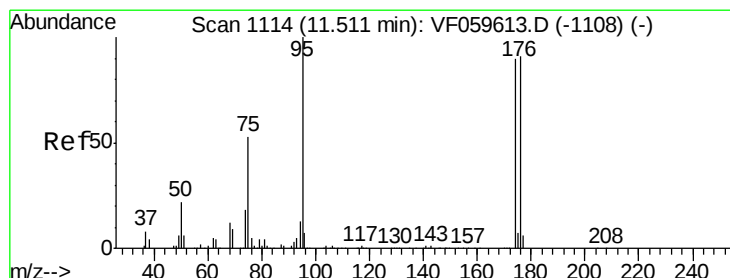
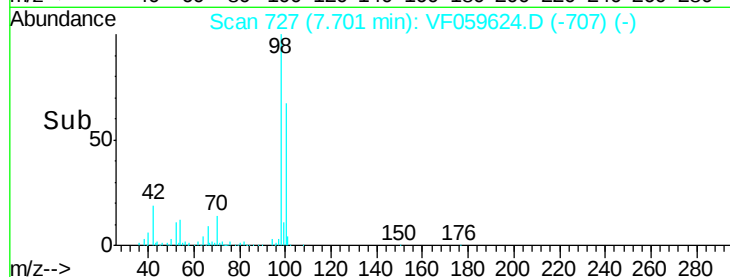
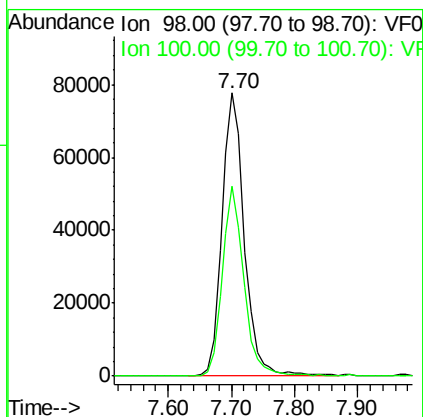
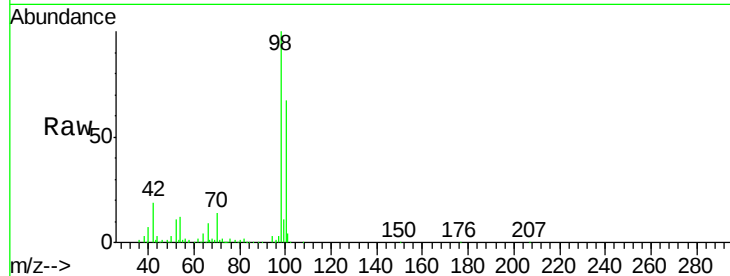




#50
Toluene-d8
Concen: 24.52 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF059624.D
Acq: 23 Jul 2018 19:59

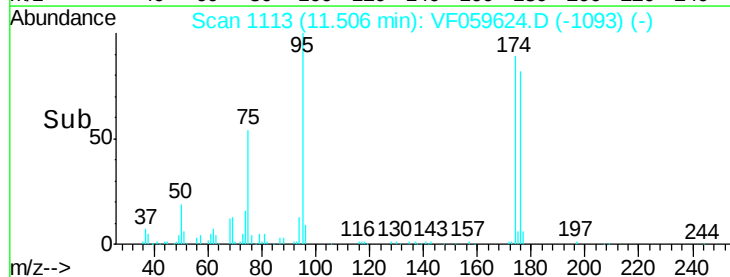
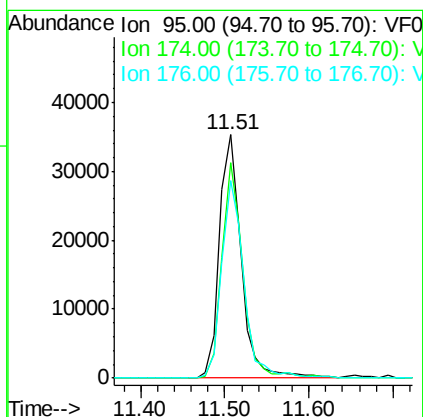
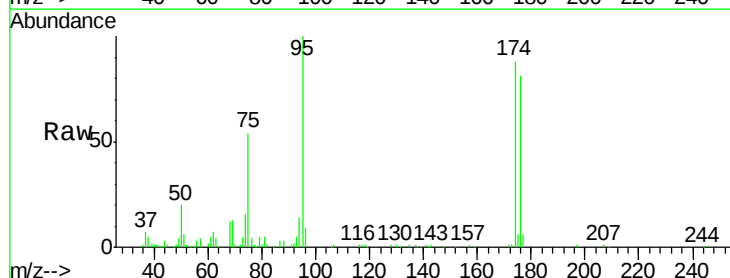
Instrument :
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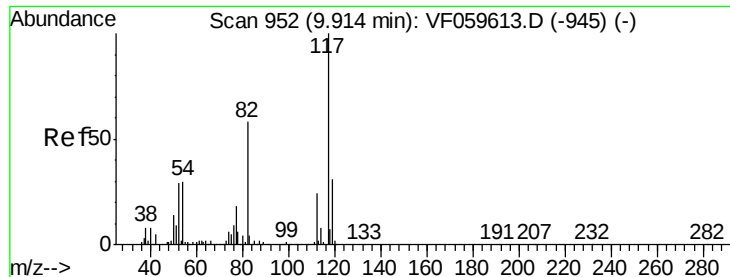
Tot Ion: 98 Resp: 191329
Ion Ratio Lower Upper
98 100
100 67.3 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 14.23 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF059624.D
Acq: 23 Jul 2018 19:59

Tgt Ion: 95 Resp: 64098
Ion Ratio Lower Upper
95 100
174 88.3 0.0 180.6
176 81.1 0.0 182.4

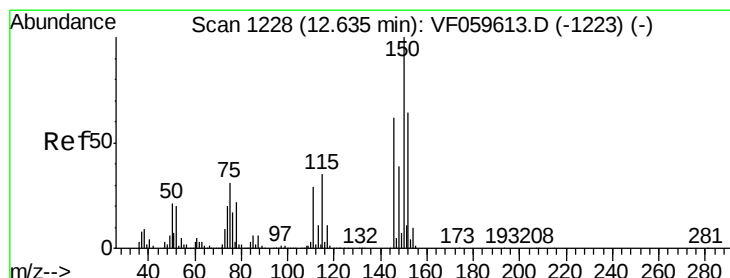
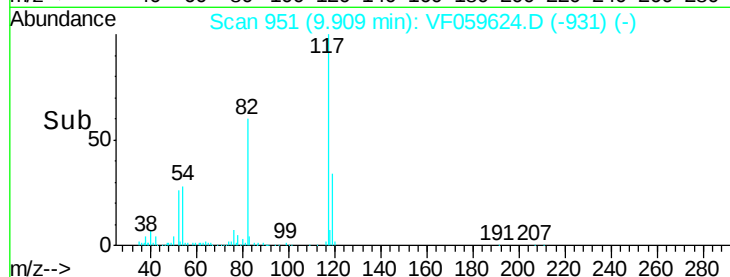
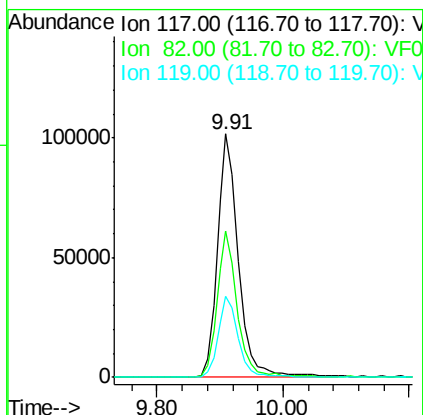
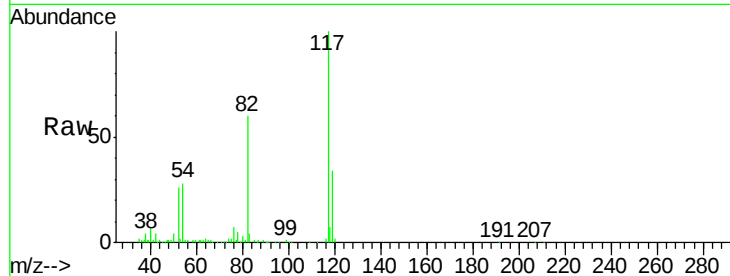




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059624.D
Acq: 23 Jul 2018 19:59

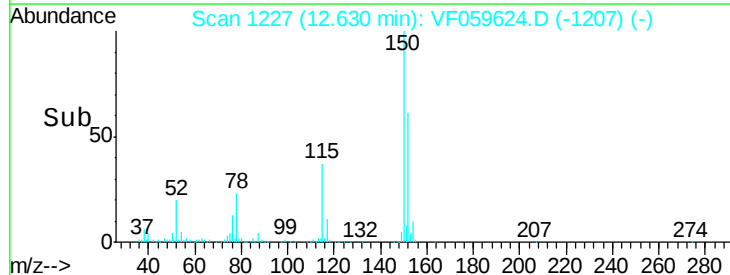
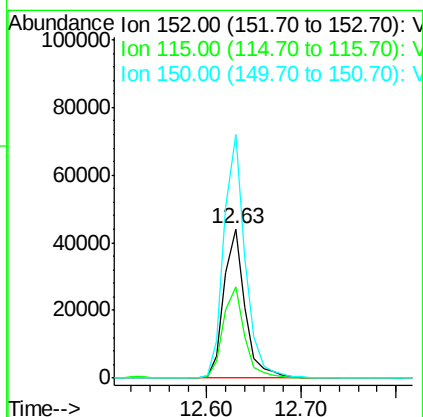
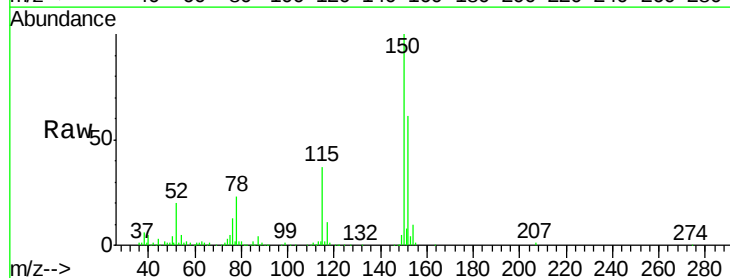
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ClientSampleId :
GL-TOPSOIL-04

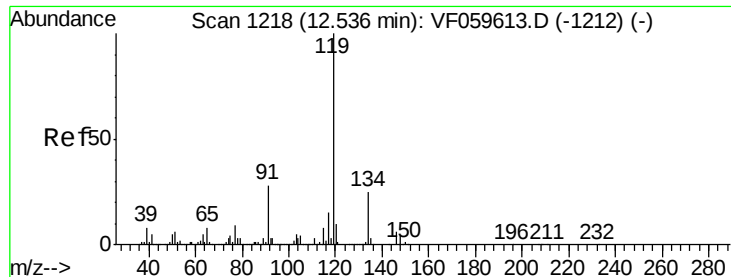
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	46.5	69.7
119	33.5	24.4	36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059624.D
Acq: 23 Jul 2018 19:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	27.8	83.4
150	163.5	0.0	314.6

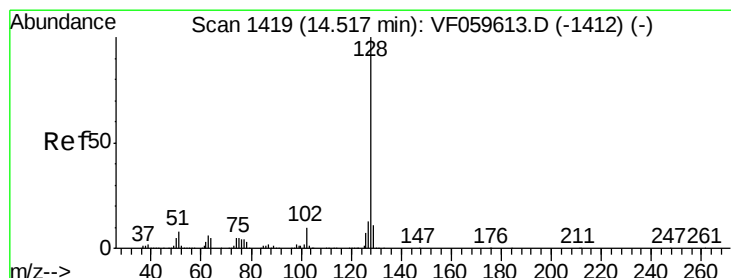
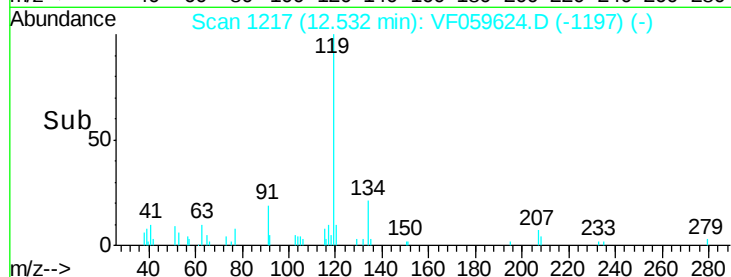
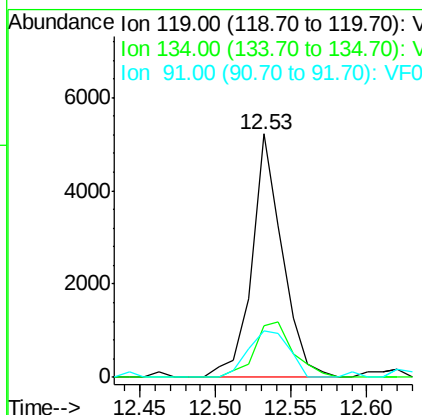
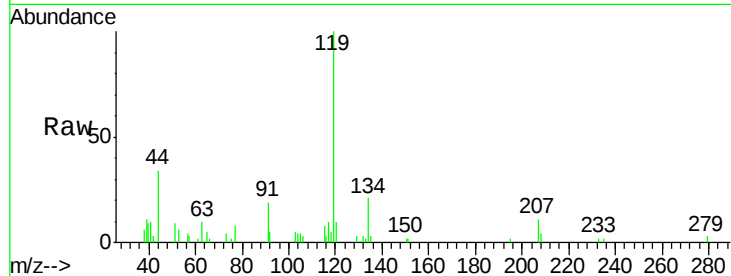




#86
p-Isopropyltoluene
Concen: 1.68 ug/l
RT: 12.53 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VF059624.D
Acq: 23 Jul 2018 19:59

Instrument :
MSVOA_F
ClientSampleId :
GL-TOPSOIL-04

Tot Ion	Ratio	Lower	Upper
119	100		
134	21.3	12.4	37.2
91	18.9	13.9	41.7



#95
Naphthalene
Concen: 1.24 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.01 min
Lab File: VF059624.D
Acq: 23 Jul 2018 19:59

Tgt Ion	Ratio	Lower	Upper
128	100		
127	6.8	10.2	15.2#
129	11.5	9.1	13.7

