

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081018\
 Data File : VF059941.D
 Acq On : 10 Aug 2018 13:37
 Operator : VA/AP
 Sample : J4388-01
 Misc : 6.96g/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S-1A

Quant Time: Aug 10 23:35:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Pentafluorobenzene	5.06	168	114576	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.78	114	158689	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	156547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	89706	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	88592	42.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.78%	
35) Dibromofluoromethane	4.31	113	71222	45.11	ug/l	0.02
Spiked Amount 50.000			Recovery	=	90.22%	
50) Toluene-d8	7.72	98	147303	43.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.70%	
62) 4-Bromofluorobenzene	11.52	95	77353	40.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.96%	

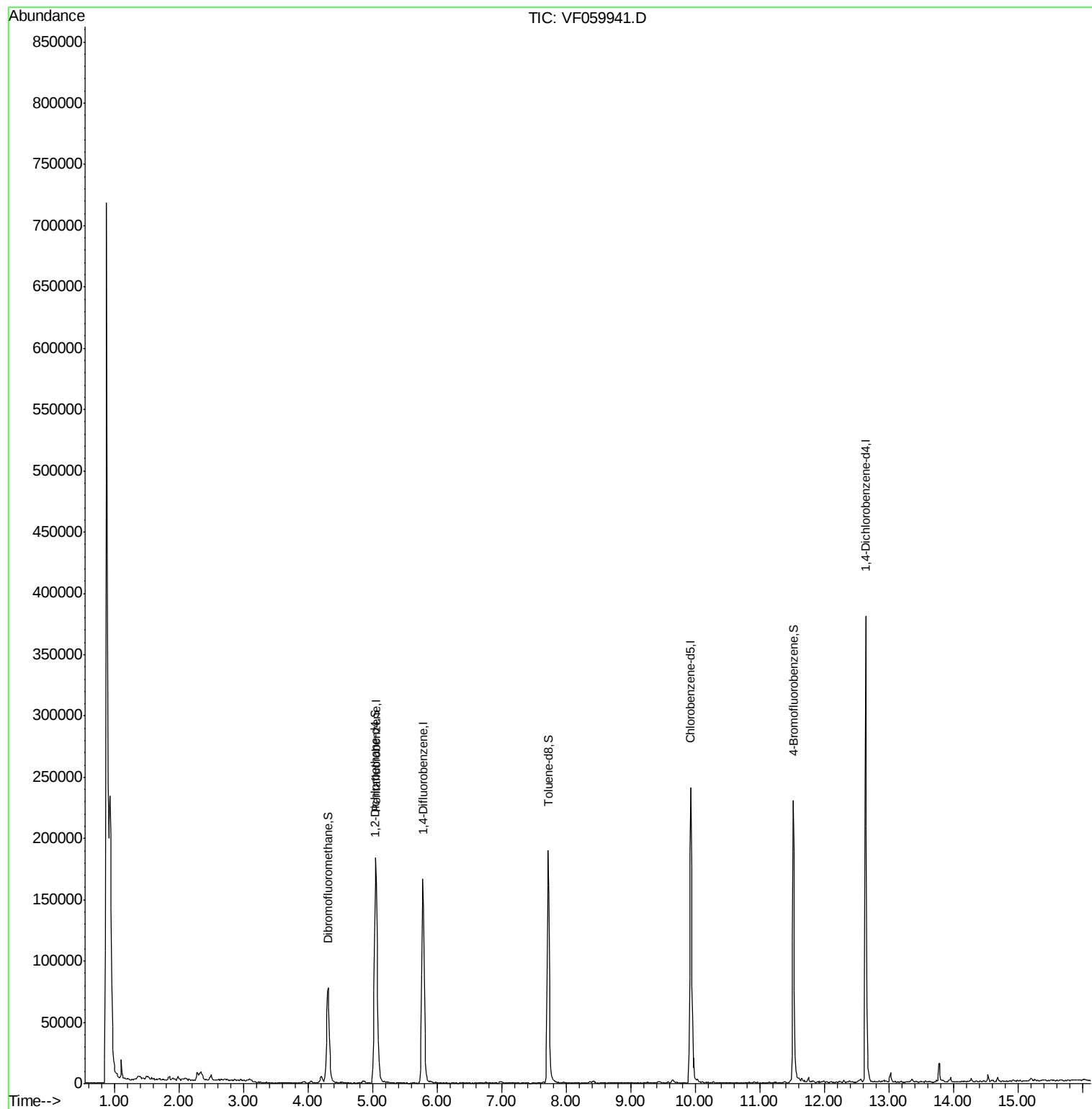
Target Compounds	Qvalue
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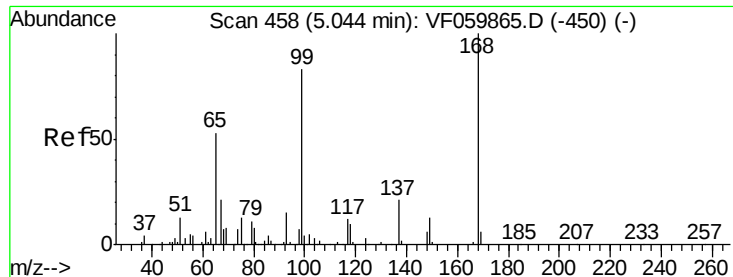
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF059941.D

Acq: 10 Aug 2018 13:37

Instrument :

MSVOA_F

ClientSampleId :

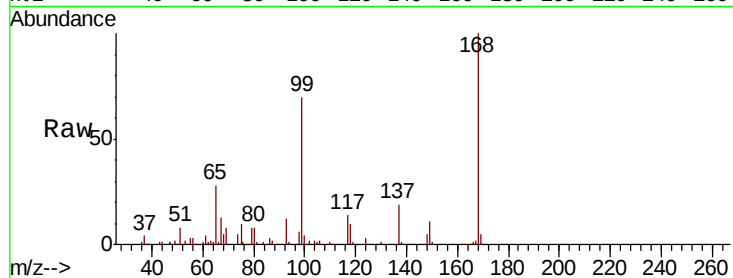
S-1A

Tot Ion:168 Resp: 114576

Ion Ratio Lower Upper

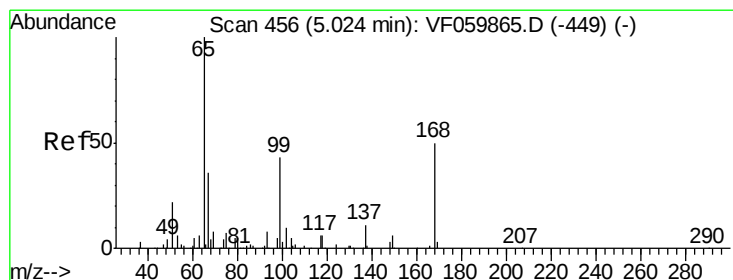
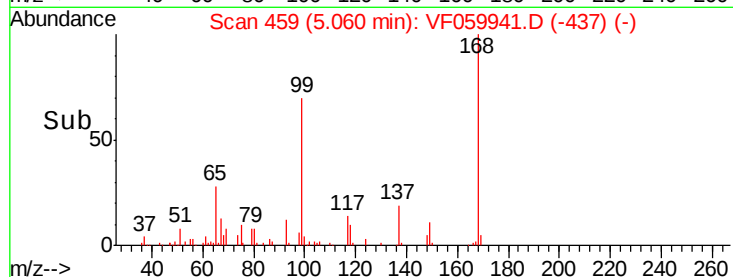
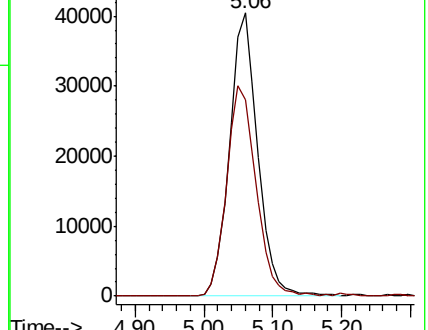
168 100

99 69.5 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 42.89 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF059941.D

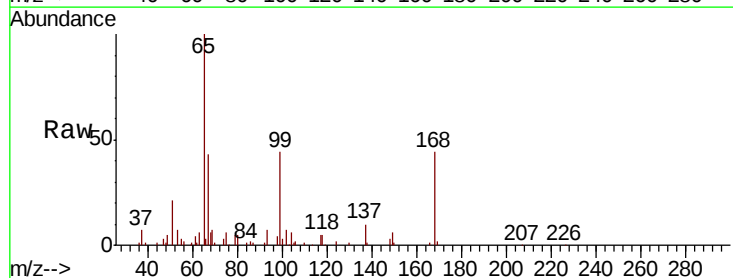
Acq: 10 Aug 2018 13:37

Tgt Ion: 65 Resp: 88592

Ion Ratio Lower Upper

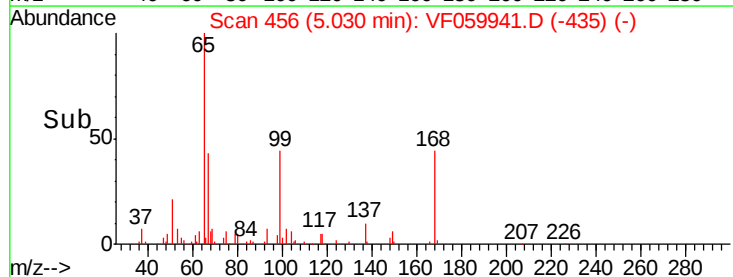
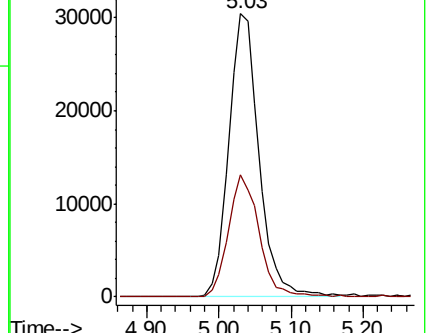
65 100

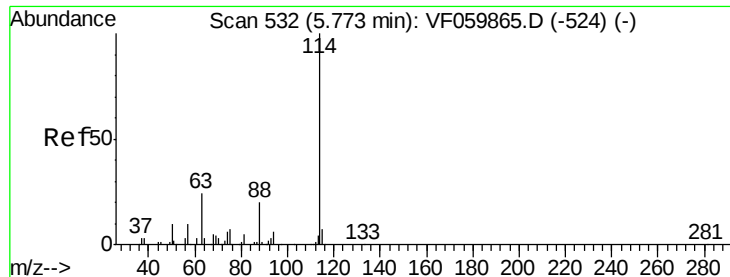
67 43.3 0.0 77.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

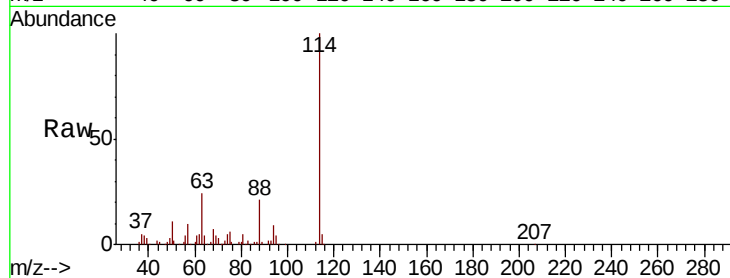




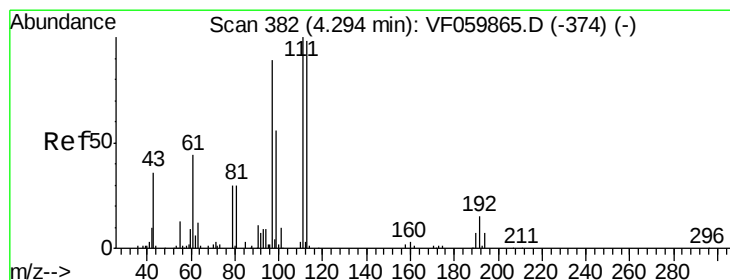
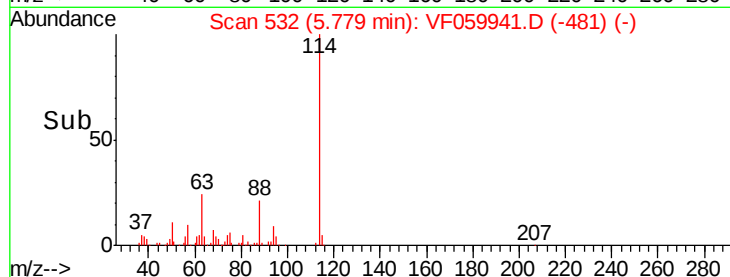
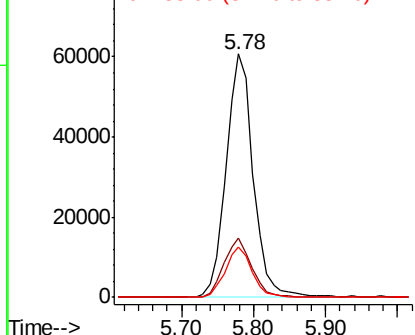
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VF059941.D
 Acq: 10 Aug 2018 13:37

Instrument :
 MSVOA_F
 ClientSampleId :
 S-1A

Tot Ion:114	Resp:	158689
Ion	Ratio	Lower Upper
114	100	
63	24.1	0.0 48.0
88	20.7	0.0 39.4

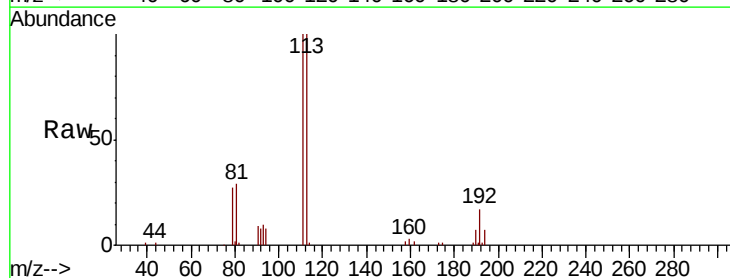


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

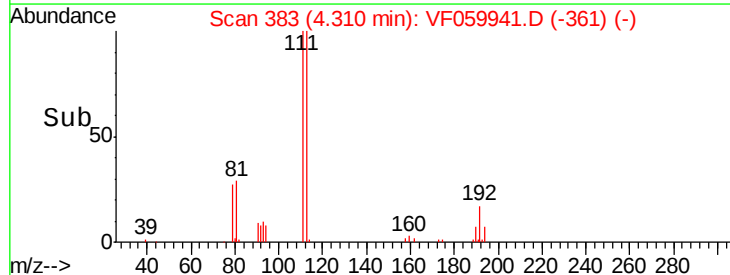
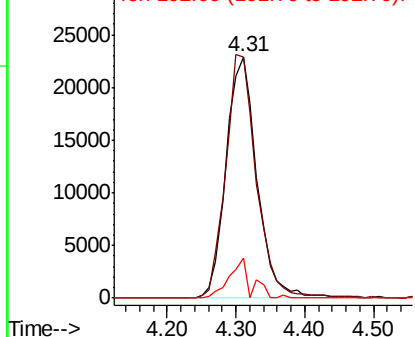


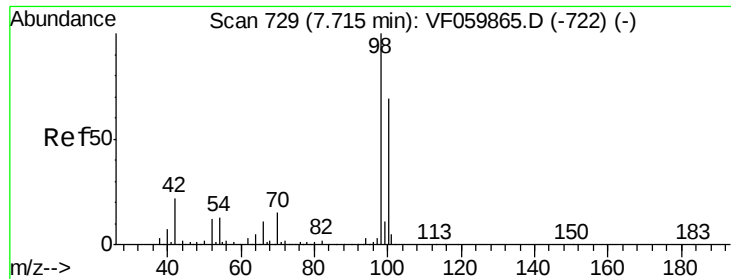
#35
 Dibromofluoromethane
 Concen: 45.11 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.02 min
 Lab File: VF059941.D
 Acq: 10 Aug 2018 13:37

Tgt Ion:113	Resp:	71222
Ion	Ratio	Lower Upper
113	100	
111	99.8	81.8 122.8
192	16.6	12.4 18.6



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: 43.85 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.01 min

Lab File: VF059941.D

Acq: 10 Aug 2018 13:37

Instrument :

MSVOA_F

ClientSampleId :

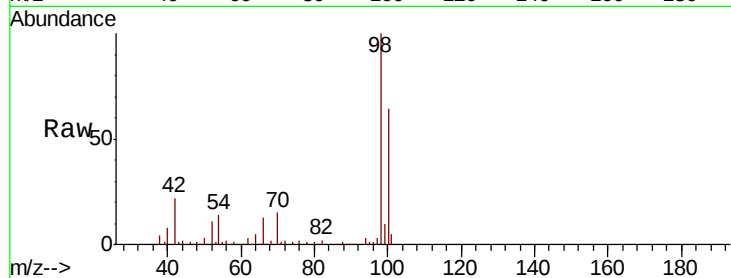
S-1A

Tot Ion: 98 Resp: 147303

Ion Ratio Lower Upper

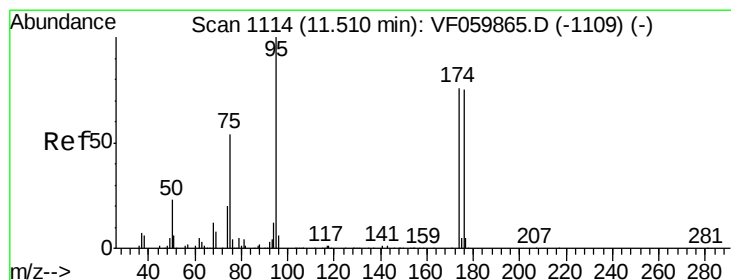
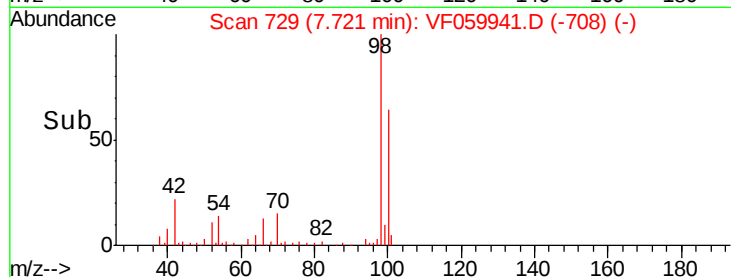
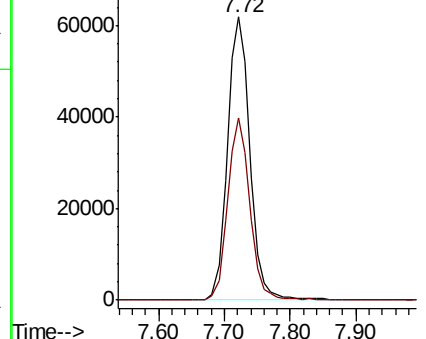
98 100

100 64.2 55.0 82.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#62

4-Bromofluorobenzene

Concen: 40.98 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059941.D

Acq: 10 Aug 2018 13:37

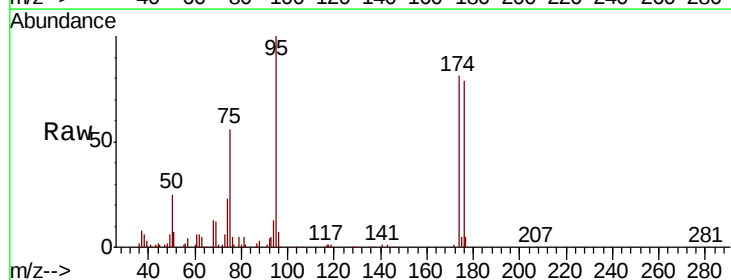
Tgt Ion: 95 Resp: 77353

Ion Ratio Lower Upper

95 100

174 81.0 0.0 151.6

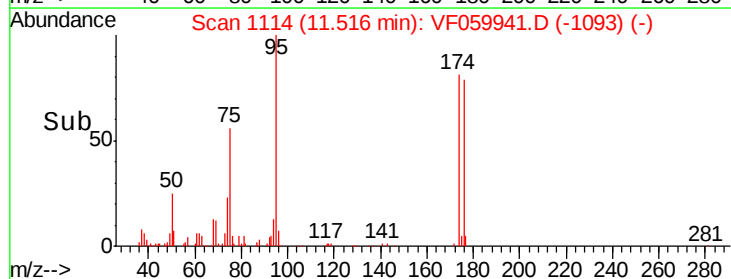
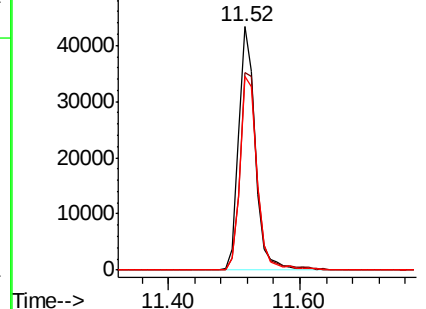
176 79.3 0.0 149.8

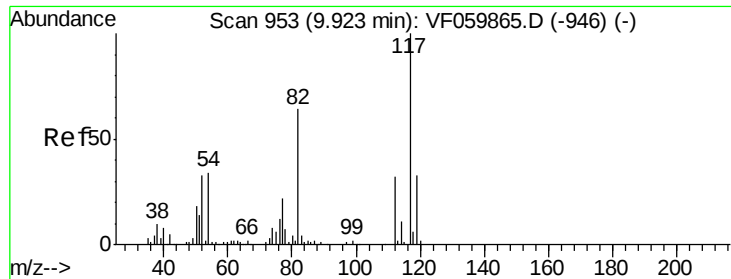


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

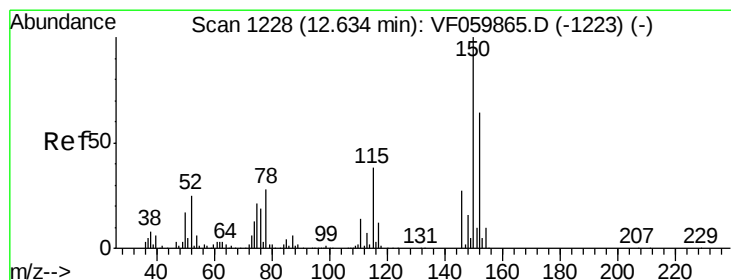
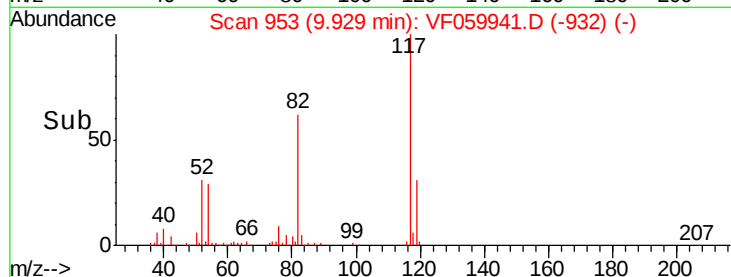
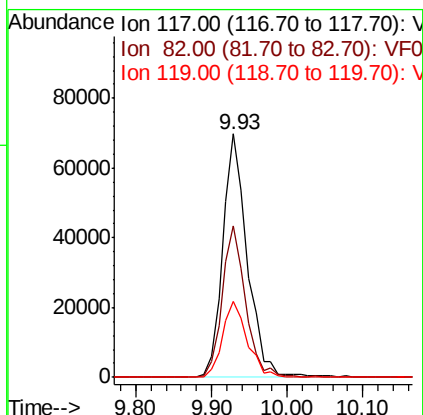
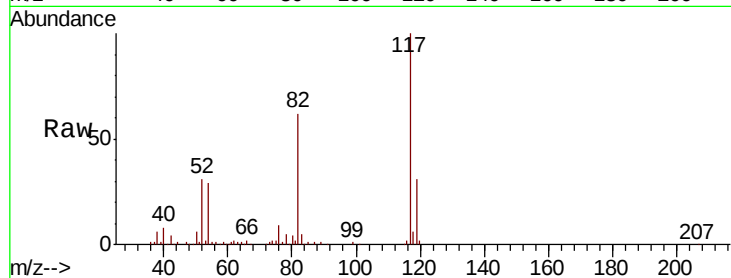




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF059941.D
Acq: 10 Aug 2018 13:37

Instrument :
MSVOA_F
ClientSampleId :
S-1A

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.4	51.3	76.9
119	31.1	26.4	39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. 0.01 min
Lab File: VF059941.D
Acq: 10 Aug 2018 13:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.2	29.8	89.4
150	154.8	0.0	315.6

