

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081018\
 Data File : VF059947.D
 Acq On : 10 Aug 2018 16:24
 Operator : VA/AP
 Sample : J4388-07
 Misc : 4.67g/5mL/MSVOA F/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CHA-1

Quant Time: Aug 10 23:41:22 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)
1) Pentafluorobenzene	5.05	168	113186	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	161152	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	152760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	102206	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	104405	51.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.32%	
35) Dibromofluoromethane	4.30	113	81115	50.59	ug/l	0.01
Spiked Amount 50.000			Recovery	=	101.18%	
50) Toluene-d8	7.72	98	152413	44.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.36%	
62) 4-Bromofluorobenzene	11.52	95	87123	45.45	ug/l	0.01
Spiked Amount 50.000			Recovery	=	90.90%	

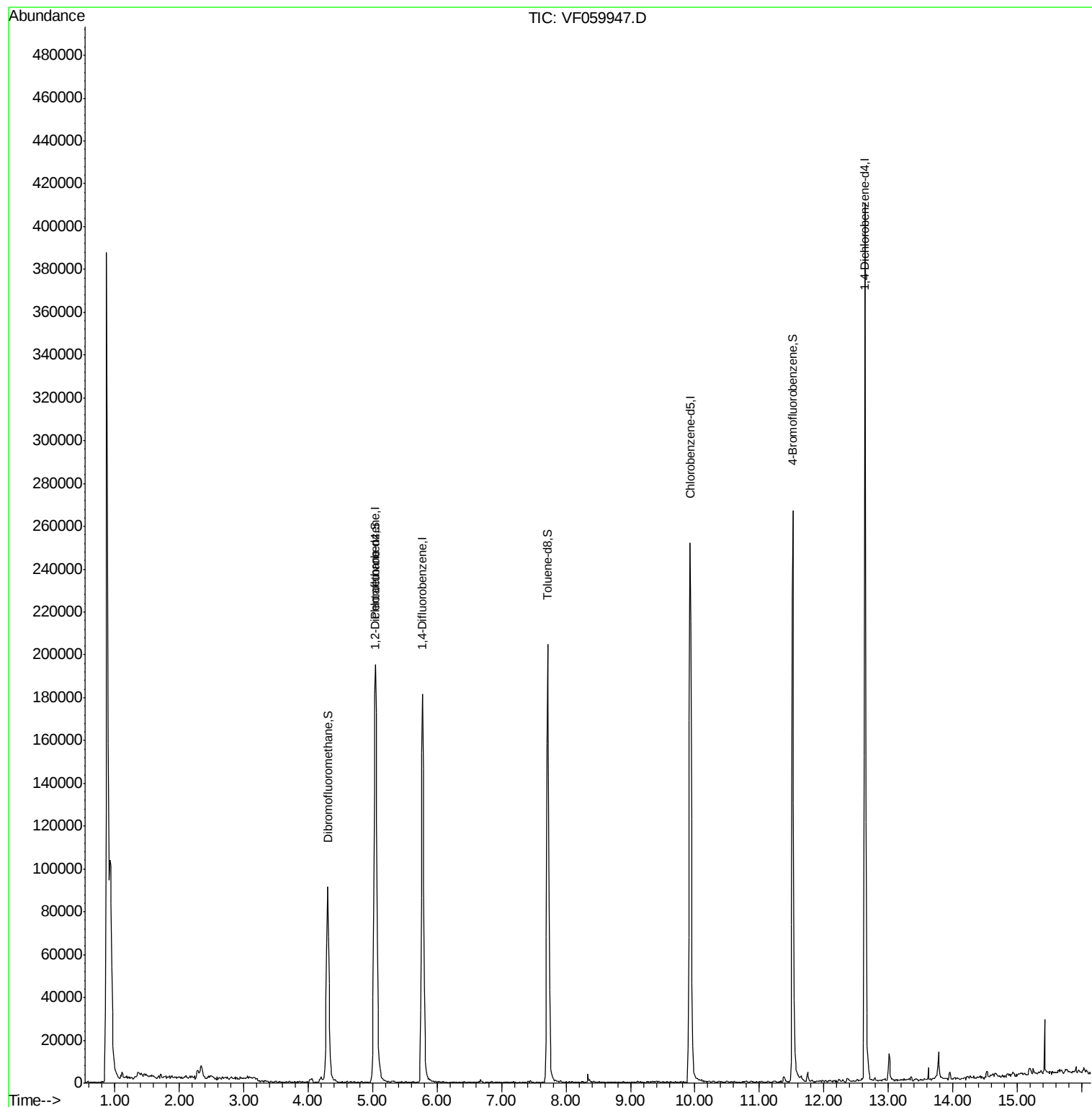
Target Compounds	Qvalue
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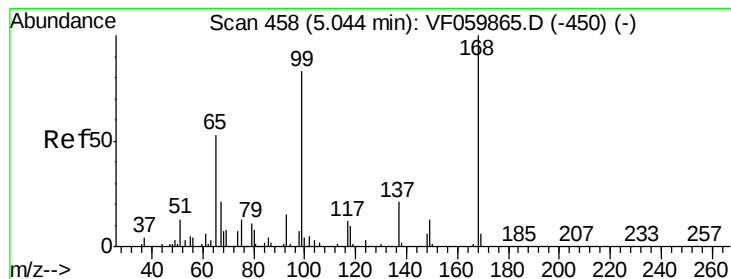
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF059947.D

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MSVOA_F

ClientSampleId :

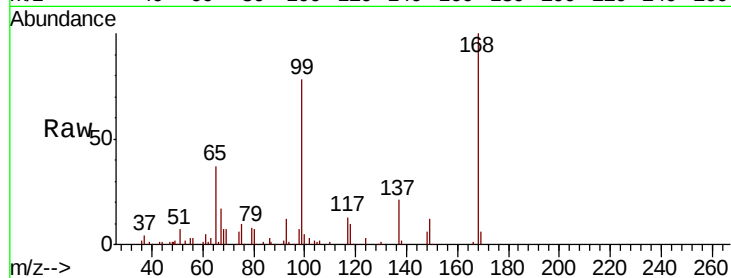
CHA-1

Tot Ion:168 Resp: 113186

Ion Ratio Lower Upper

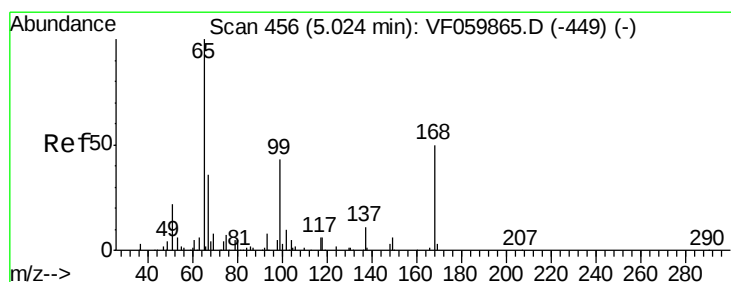
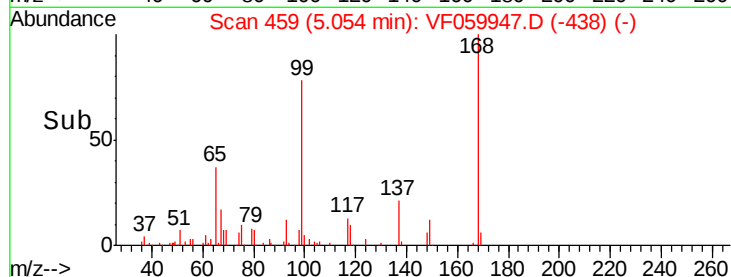
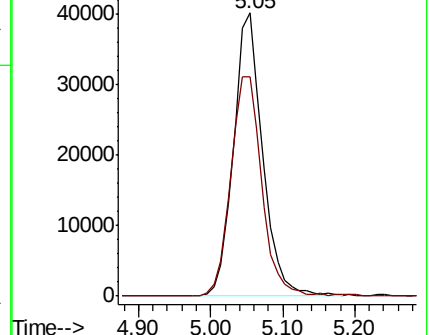
168 100

99 77.5 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: 51.16 ug/l

RT: 5.02 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059947.D

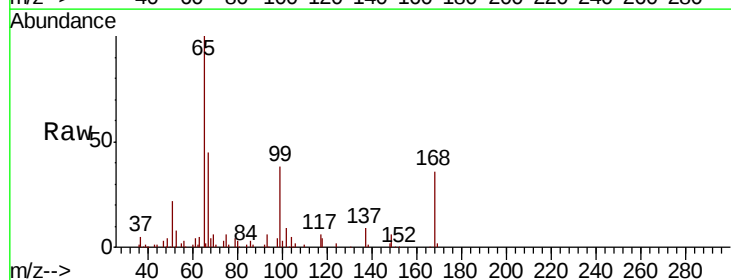
Acq: 10 Aug 2018 16:24

Tgt Ion: 65 Resp: 104405

Ion Ratio Lower Upper

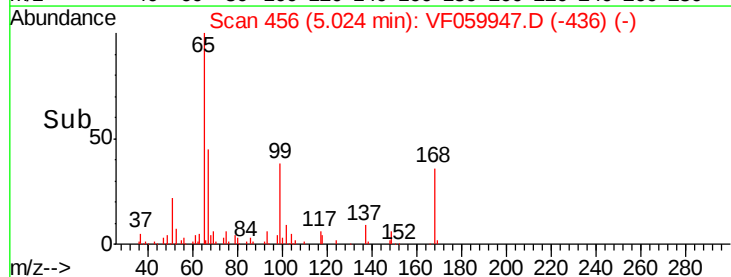
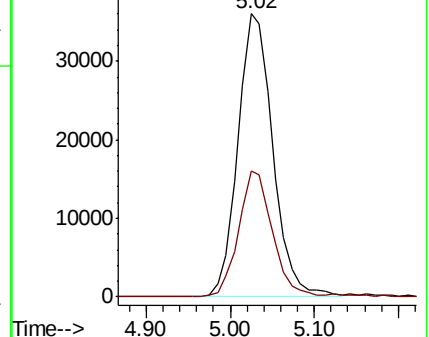
65 100

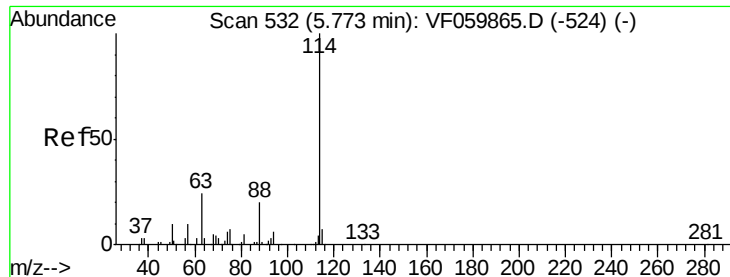
67 44.5 0.0 77.2



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: 5.77 min Scan# 532

Delta R.T. 0.00 min

Lab File: VF059947.D

Acq: 10 Aug 2018 16:24

Instrument :

MSVOA_F

ClientSampleId :

CHA-1

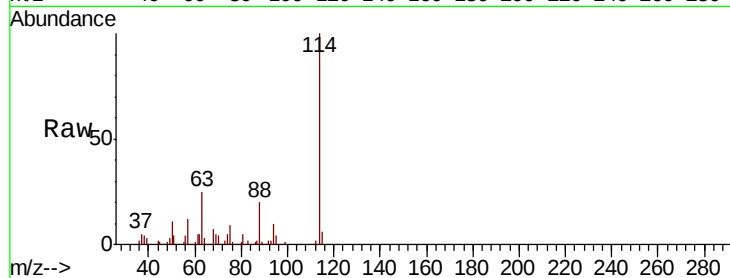
Tot Ion:114 Resp: 161152

Ion Ratio Lower Upper

114 100

63 25.1 0.0 48.0

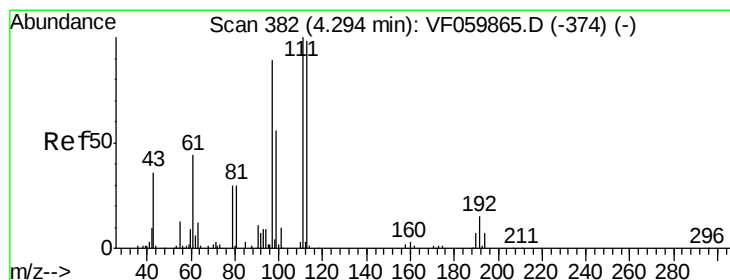
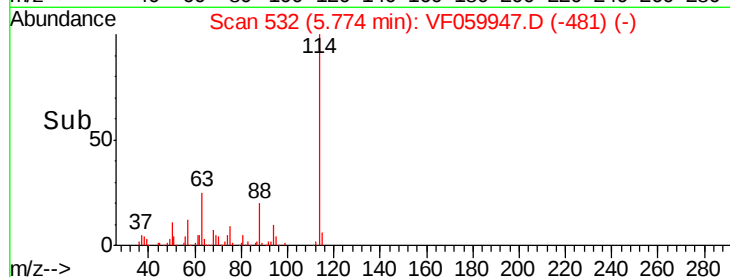
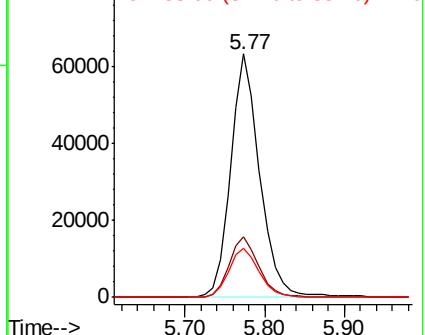
88 20.3 0.0 39.4



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: 50.59 ug/l

RT: 4.30 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF059947.D

Acq: 10 Aug 2018 16:24

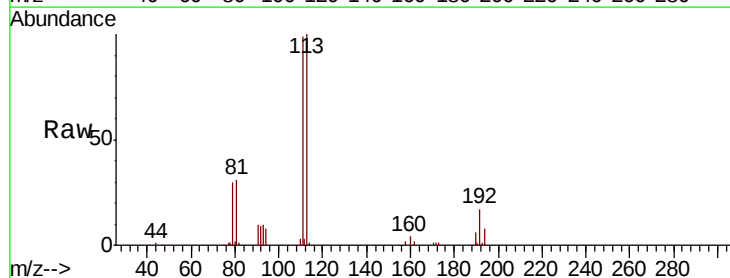
Tgt Ion:113 Resp: 81115

Ion Ratio Lower Upper

113 100

111 99.2 81.8 122.8

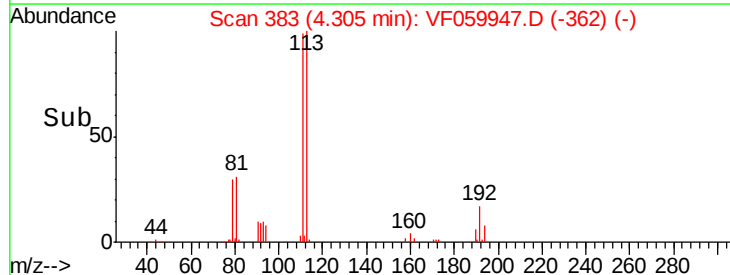
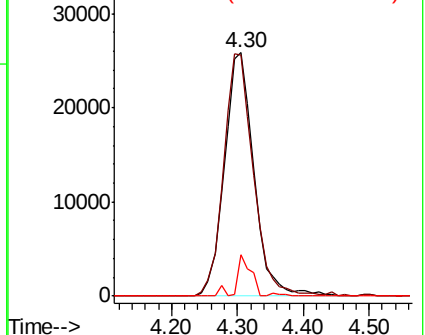
192 17.1 12.4 18.6

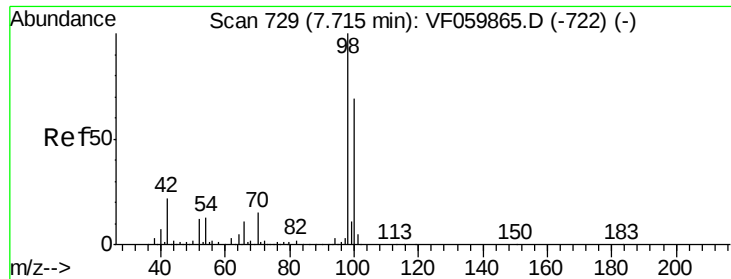


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 44.68 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.00 min

Lab File: VF059947.D

Acq: 10 Aug 2018 16:24

Instrument :

MSVOA_F

ClientSampleId :

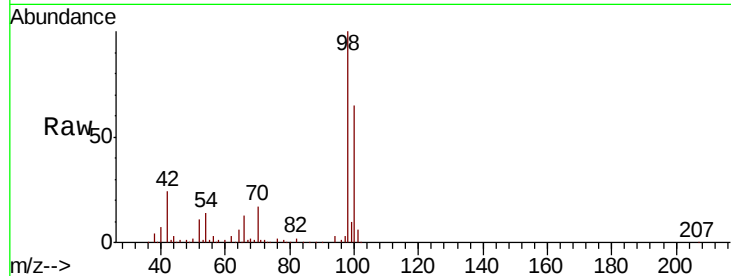
CHA-1

Tot Ion: 98 Resp: 152413

Ion Ratio Lower Upper

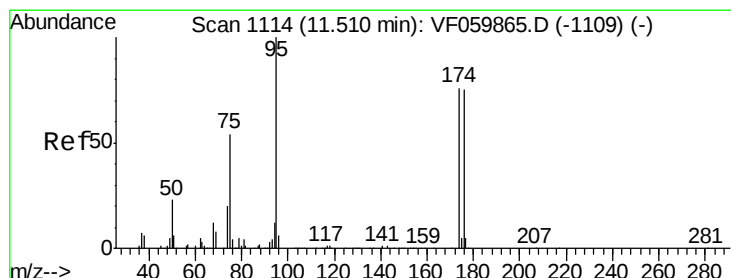
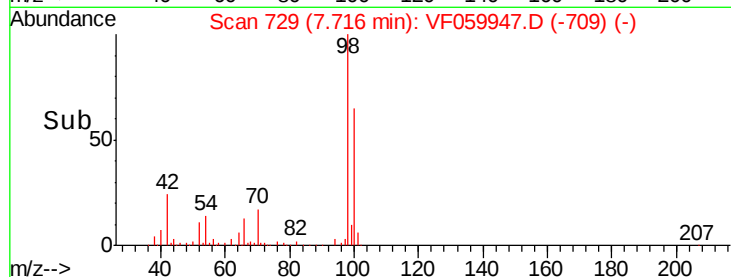
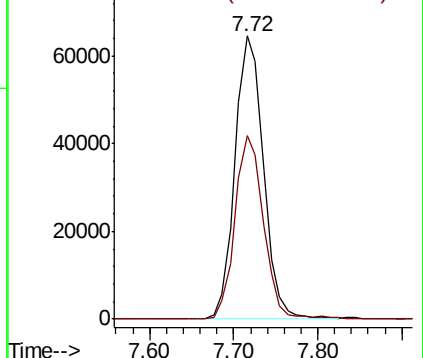
98 100

100 65.0 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: 45.45 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF059947.D

Acq: 10 Aug 2018 16:24

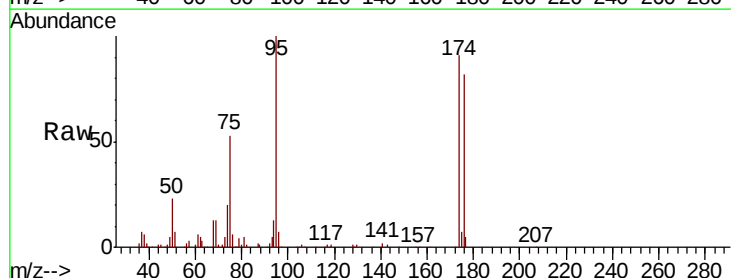
Tgt Ion: 95 Resp: 87123

Ion Ratio Lower Upper

95 100

174 90.8 0.0 151.6

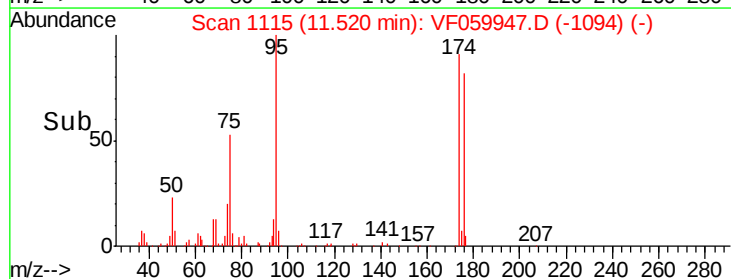
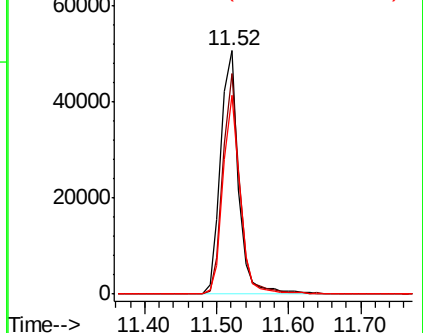
176 81.8 0.0 149.8

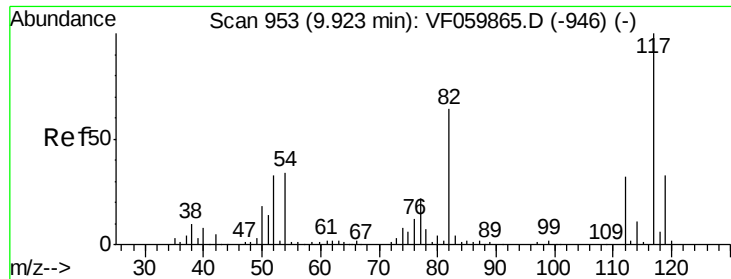


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

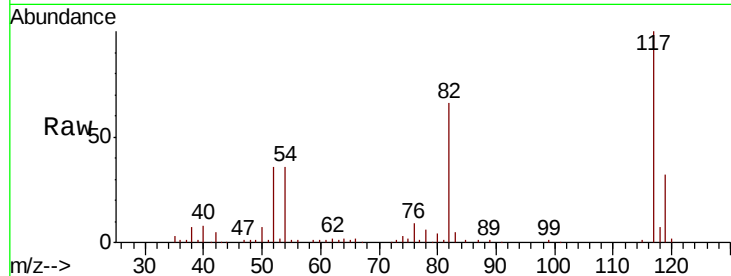




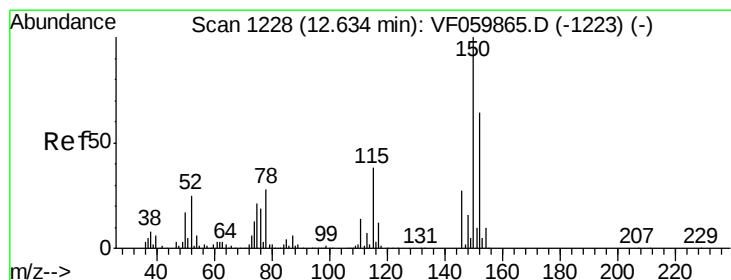
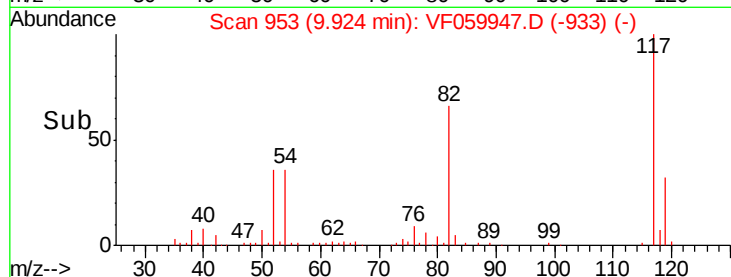
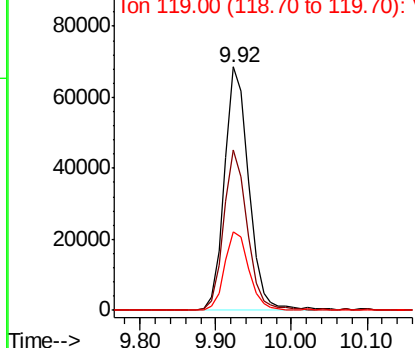
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059947.D
Acq: 10 Aug 2018 16:24

Instrument :
MSVOA_F
ClientSampleId :
CHA-1

Tot Ion:117 Resp: 152760
Ion Ratio Lower Upper
117 100
82 65.9 51.3 76.9
119 32.2 26.4 39.6

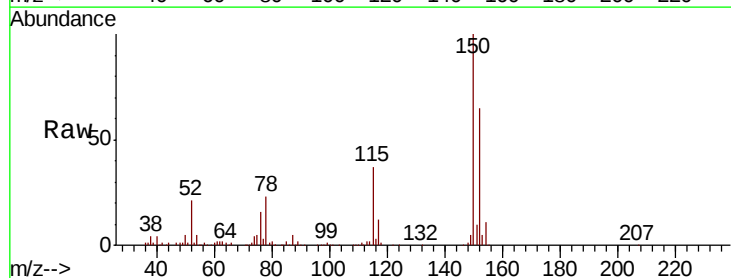


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.64 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VF059947.D
Acq: 10 Aug 2018 16:24

Tgt Ion:152 Resp: 102206
Ion Ratio Lower Upper
152 100
115 56.3 29.8 89.4
150 153.9 0.0 315.6



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

