

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062918\
 Data File : VF059381.D
 Acq On : 29 Jun 2018 17:19
 Operator : VA/AP
 Sample : J3774-08
 Misc : 4.99g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-1(4-6)

Quant Time: Jun 30 00:13:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	372453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	605161	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	594881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	374878	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	265015	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	
35) Dibromofluoromethane	4.28	113	261136	59.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.12%	
50) Toluene-d8	7.70	98	608332	55.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.14%	
62) 4-Bromofluorobenzene	11.50	95	323011	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	

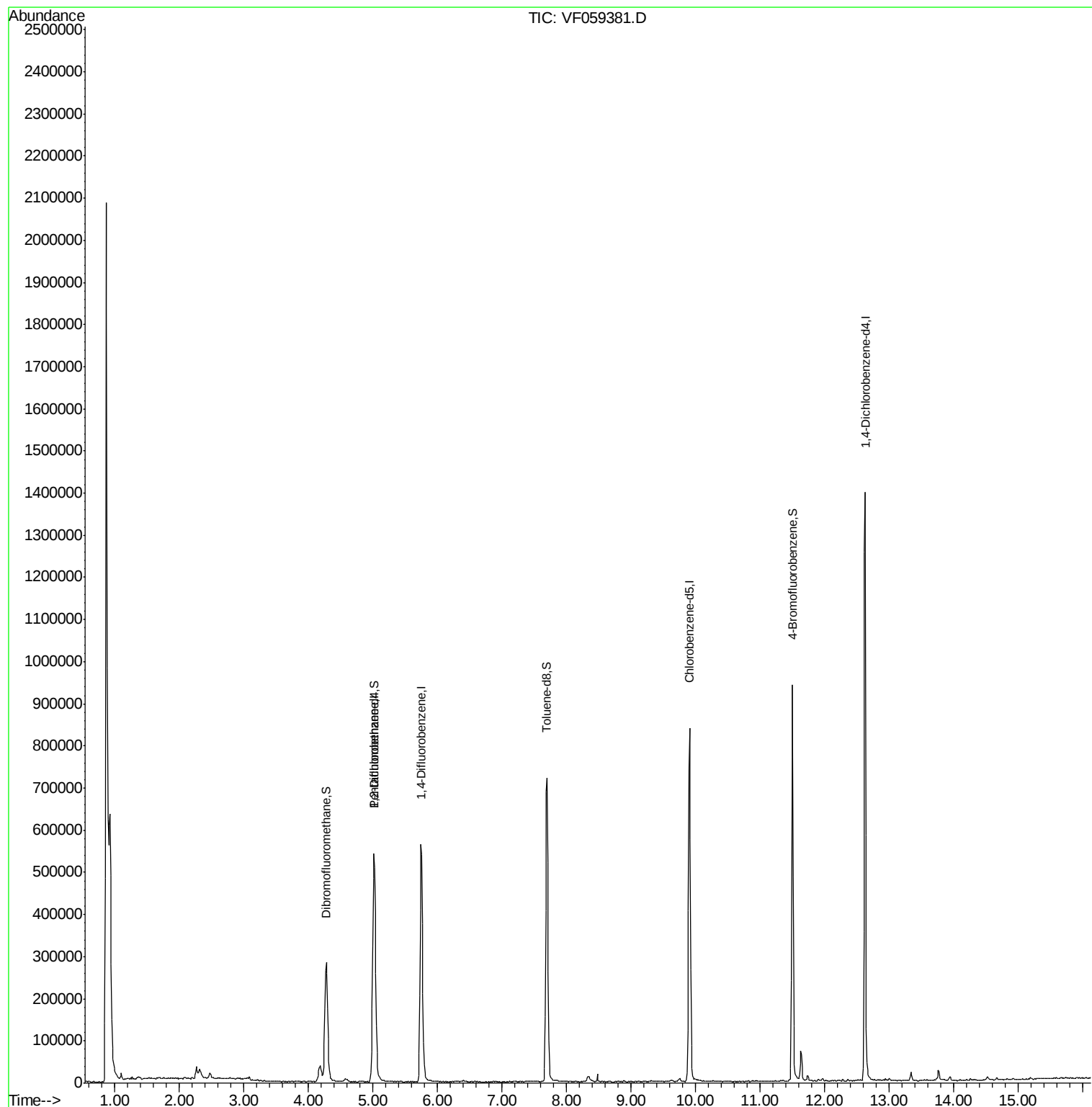
Target Compounds	Qvalue

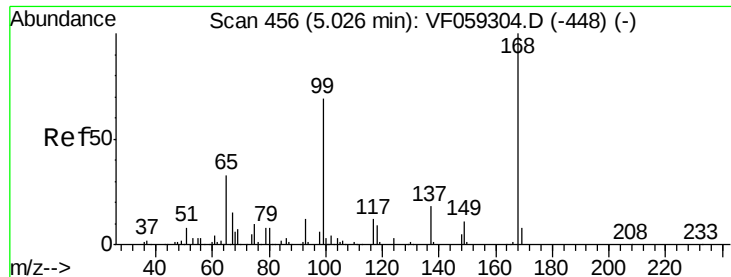
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF059381.D

Acq: 29 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

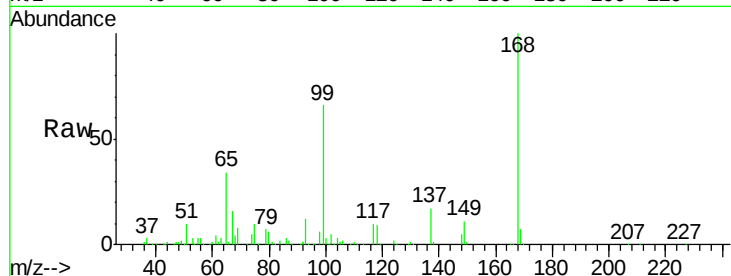
SB-1(4-6)

Tot Ion:168 Resp: 372453

Ion Ratio Lower Upper

168 100

99 65.7 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

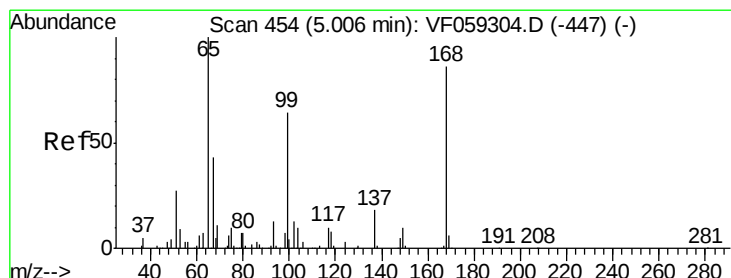
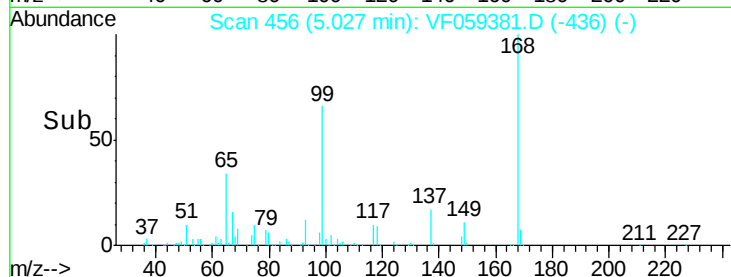
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 55.07 ug/l

RT: 5.01 min Scan# 454

Delta R.T. 0.00 min

Lab File: VF059381.D

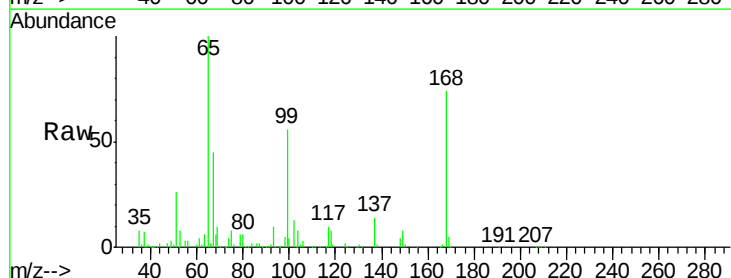
Acq: 29 Jun 2018 17:19

Tgt Ion: 65 Resp: 265015

Ion Ratio Lower Upper

65 100

67 44.9 0.0 96.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.01

100000

80000

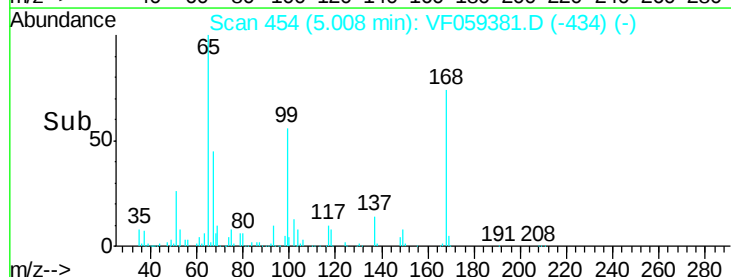
60000

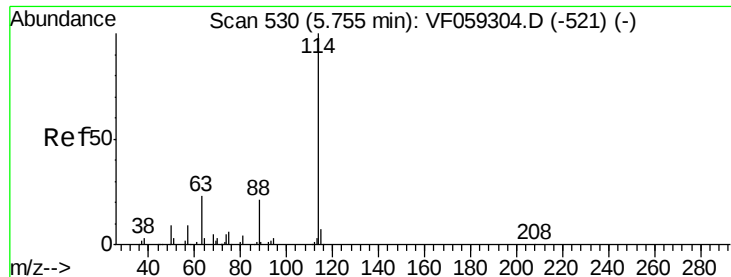
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. 0.00 min

Lab File: VF059381.D

Acq: 29 Jun 2018 17:19

Instrument :

MSVOA_F

ClientSampleId :

SB-1(4-6)

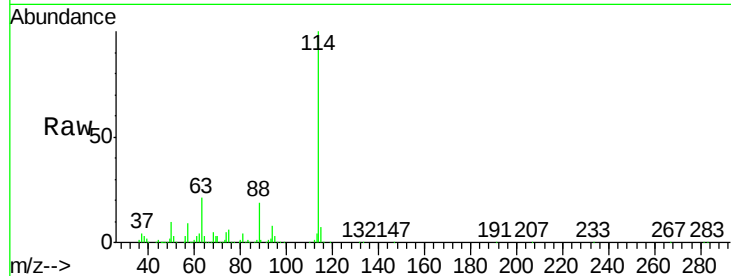
Tot Ion:114 Resp: 605161

Ion Ratio Lower Upper

114 100

63 20.6 0.0 45.8

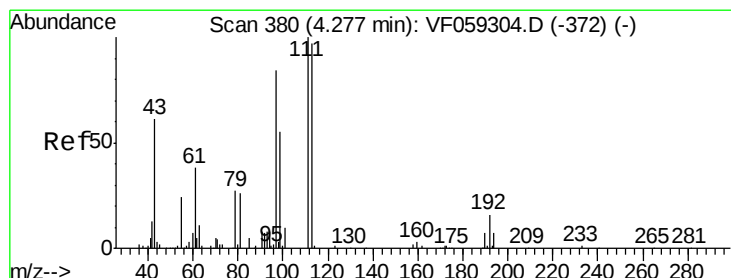
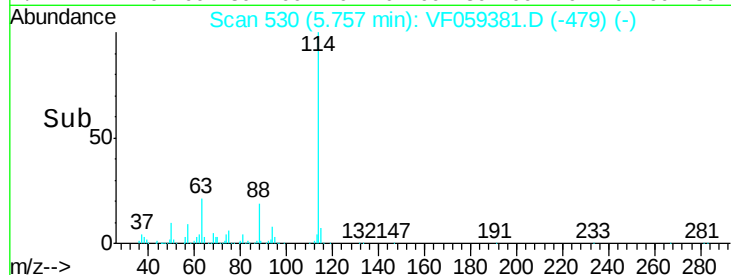
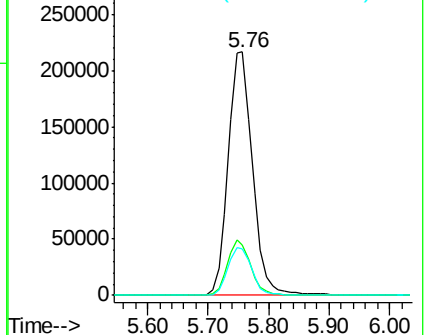
88 19.1 0.0 41.2



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: 59.06 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF059381.D

Acq: 29 Jun 2018 17:19

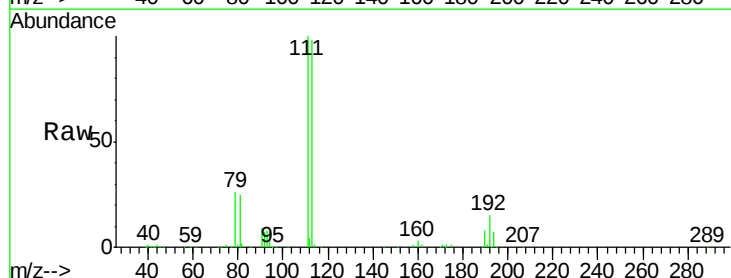
Tgt Ion:113 Resp: 261136

Ion Ratio Lower Upper

113 100

111 102.0 82.1 123.1

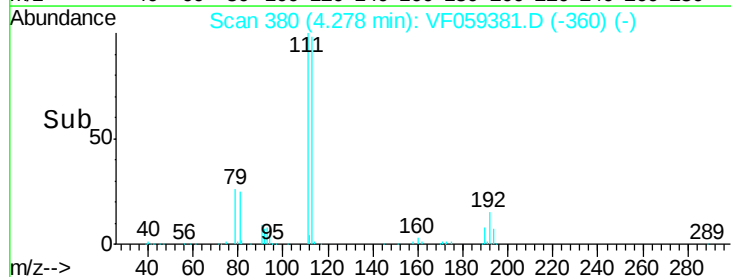
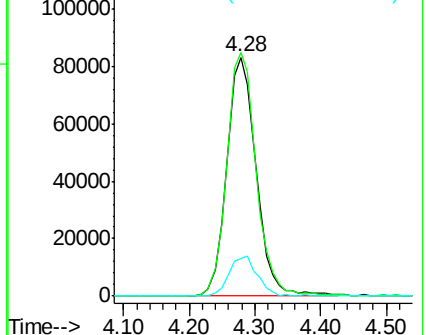
192 15.6 13.0 19.6



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

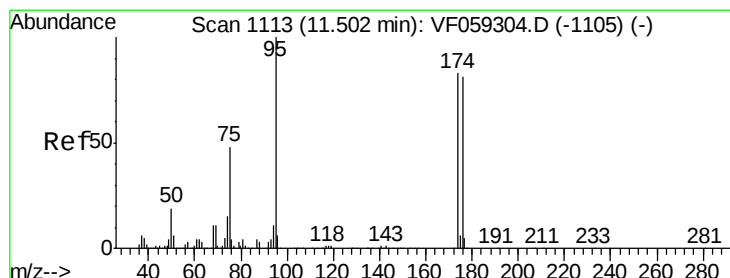
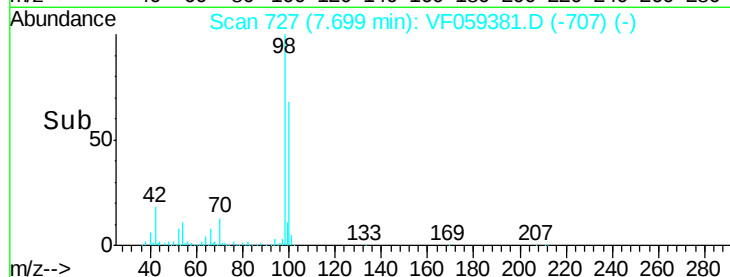
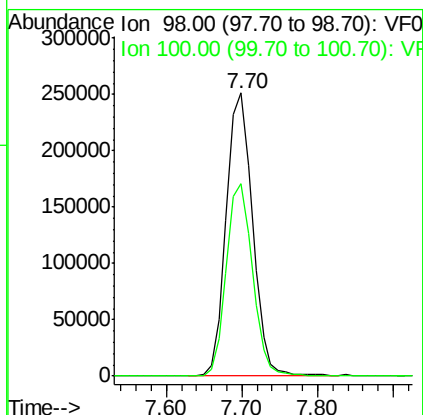
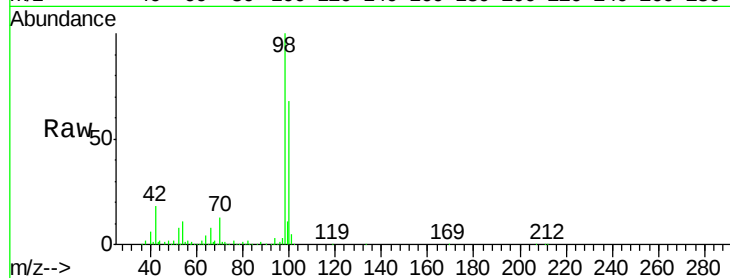




#50
Toluene-d8
Concen: 55.57 ug/l
RT: 7.70 min Scan# 727
Delta R.T. 0.00 min
Lab File: VF059381.D
Acq: 29 Jun 2018 17:19

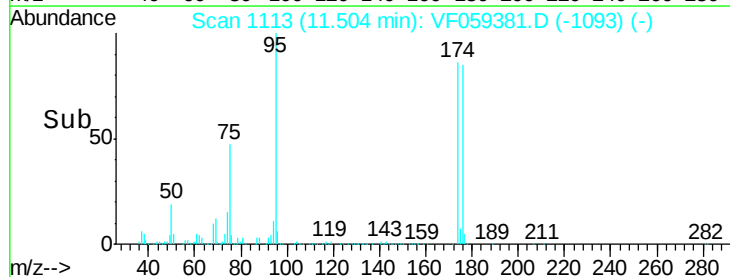
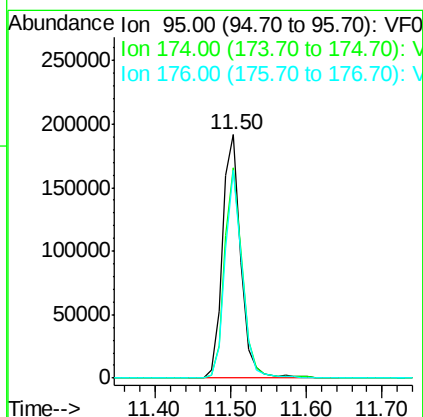
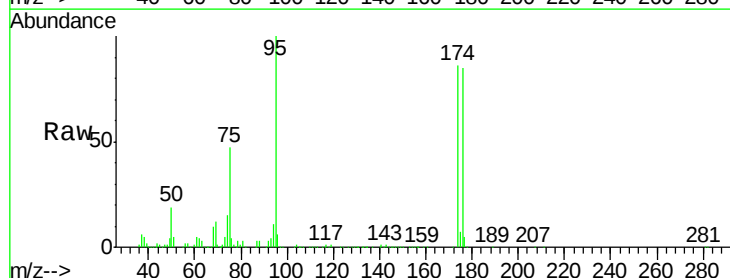
Instrument :
MSVOA_F
ClientSampleId :
SB-1(4-6)

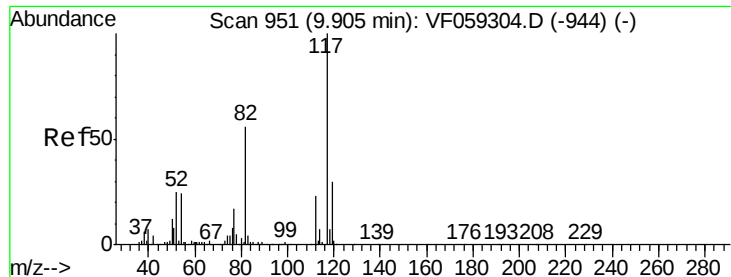
Tot Ion: 98 Resp: 608332
Ion Ratio Lower Upper
98 100
100 67.8 54.6 82.0



#62
4-Bromofluorobenzene
Concen: 52.31 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VF059381.D
Acq: 29 Jun 2018 17:19

Tgt Ion: 95 Resp: 323011
Ion Ratio Lower Upper
95 100
174 86.2 0.0 165.2
176 85.4 0.0 161.0

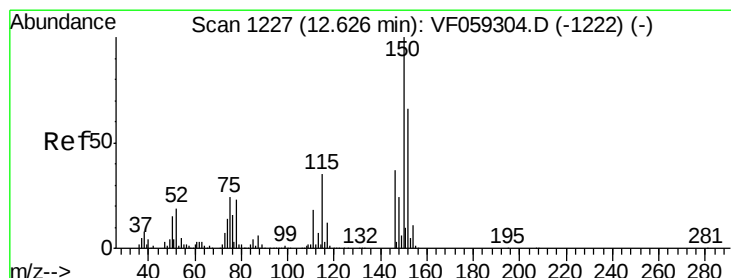
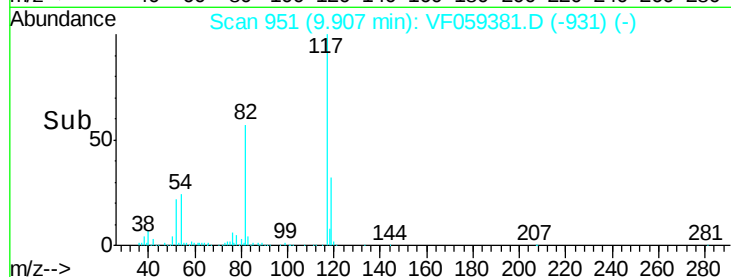
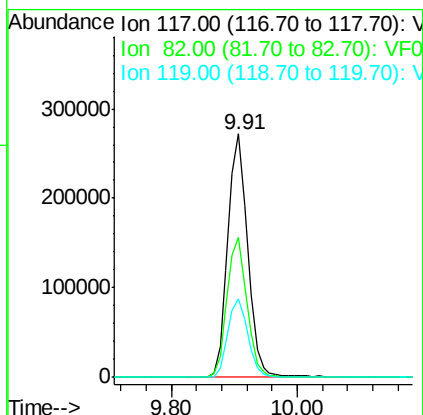
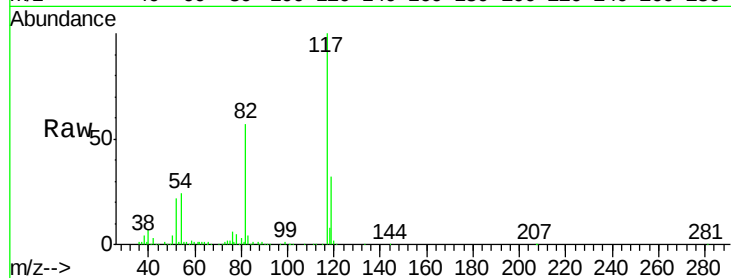




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.00 min
Lab File: VF059381.D
Acq: 29 Jun 2018 17:19

Instrument :
MSVOA_F
ClientSampleId :
SB-1(4-6)

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	44.6	66.8
119	32.5	24.1	36.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VF059381.D
Acq: 29 Jun 2018 17:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.1	81.3
150	147.7	0.0	305.2

