

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031819\
 Data File : VF061993.D
 Acq On : 18 Mar 2019 13:10
 Operator : VA/AP
 Sample : K1861-01
 Misc : 5.01g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 BF-06-031119

Quant Time: Mar 19 01:39:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	208062	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	322408	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	263638	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	146979	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	65133	43.49	ug/l	-0.01
Spiked Amount			Recovery	=	86.98%	
35) Dibromofluoromethane	4.09	113	89133	41.17	ug/l	-0.02
Spiked Amount			Recovery	=	82.34%	
50) Toluene-d8	7.54	98	225686	35.66	ug/l	-0.01
Spiked Amount			Recovery	=	71.32%	
62) 4-Bromofluorobenzene	11.39	95	95287	37.90	ug/l	-0.01
Spiked Amount			Recovery	=	75.80%	

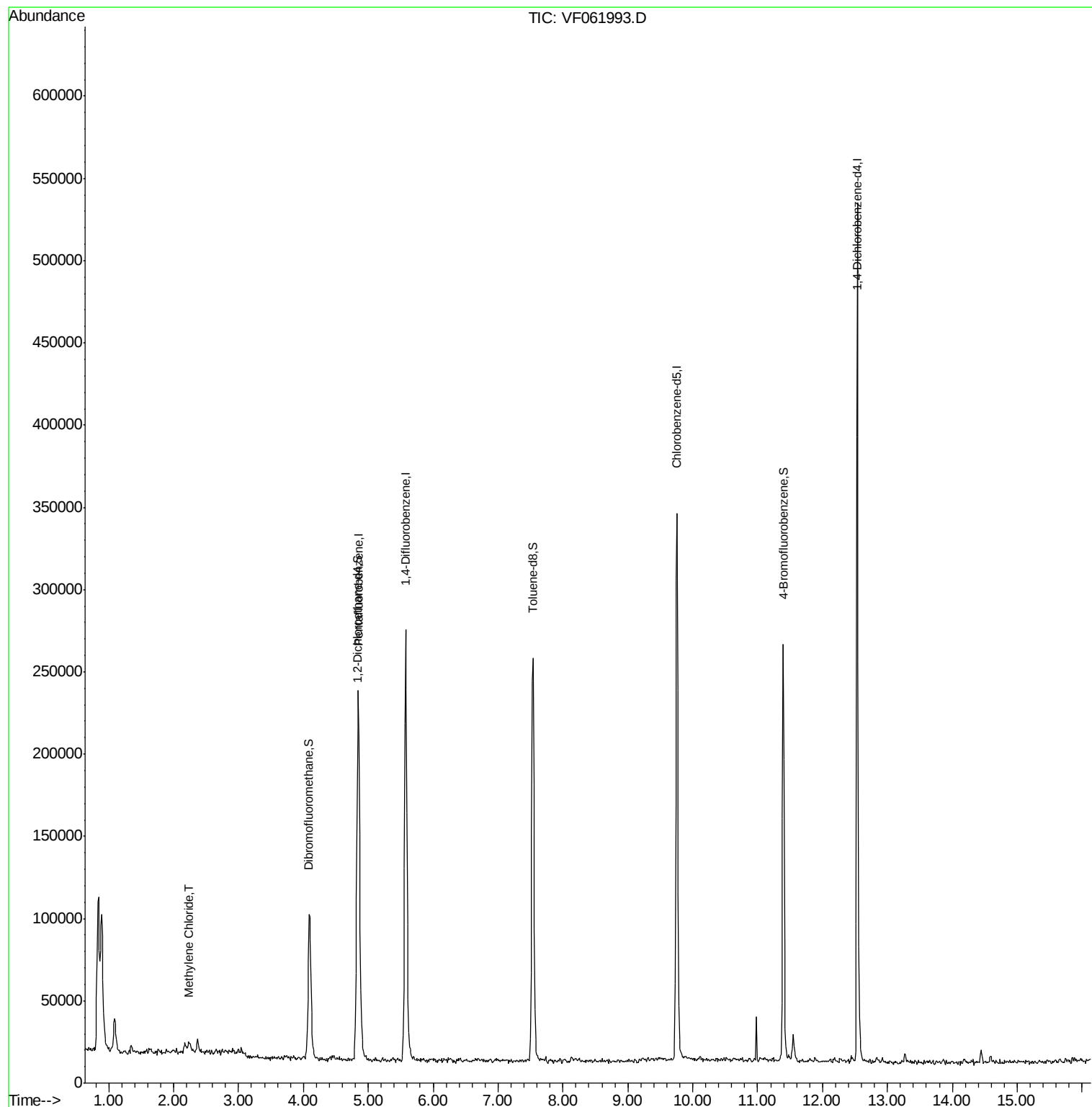
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	2.23	84	5513m	3.184	ug/l	

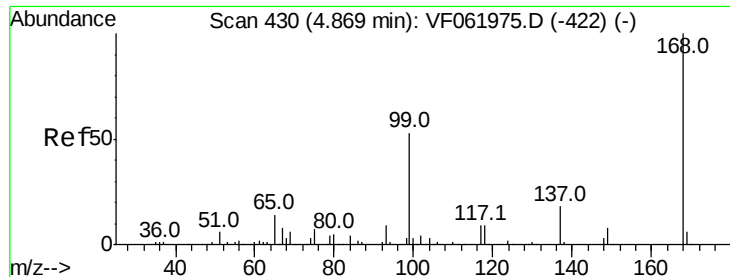
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Mar 18 07:28:40 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061993.D

Acq: 18 Mar 2019 13:10

Instrument :

MSVOA_F

ClientSampleId :

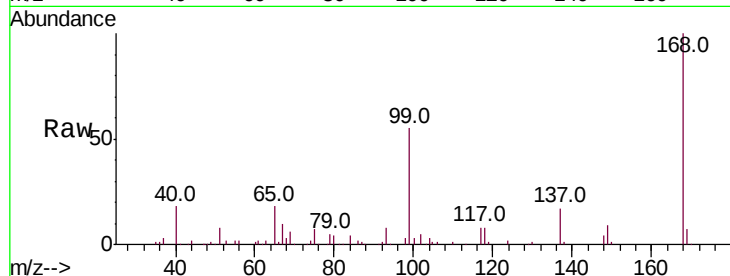
BF-06-031119

Tot Ion:168 Resp: 208062

Ion Ratio Lower Upper

168 100

99 54.5 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

4.85

60000

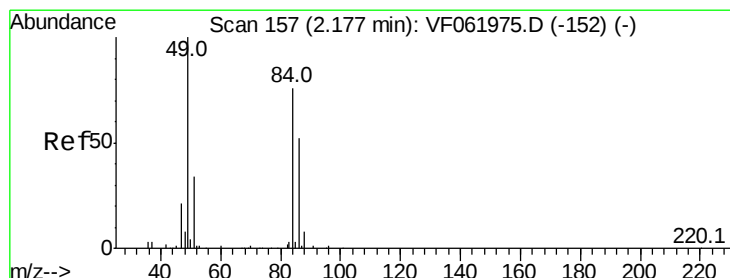
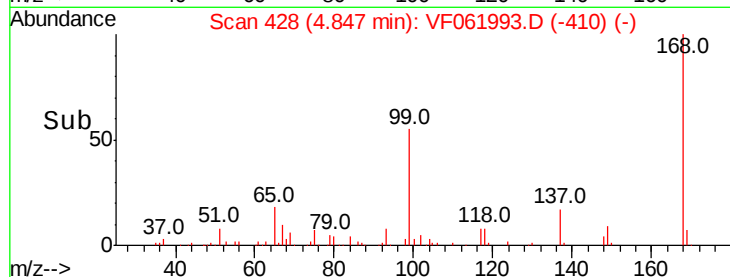
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#20

Methylene Chloride

Concen: 3.184 ug/l m

RT: 2.23 min Scan# 163

Delta R.T. 0.06 min

Lab File: VF061993.D

Acq: 18 Mar 2019 13:10

Tgt Ion: 84 Resp: 5513

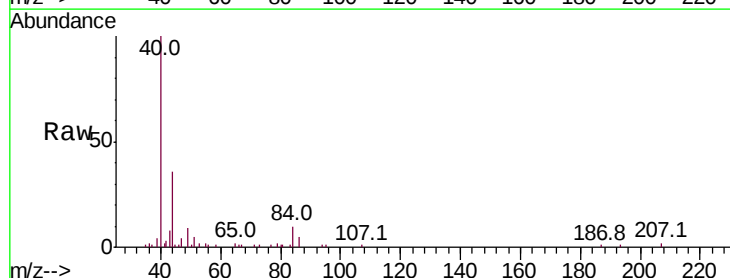
Ion Ratio Lower Upper

84 100

49 97.0 107.0 160.6#

51 54.8 37.2 55.8

86 47.8 55.3 82.9#



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

2500

2000

1500

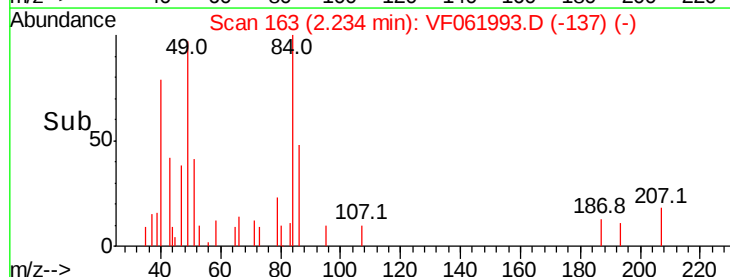
1000

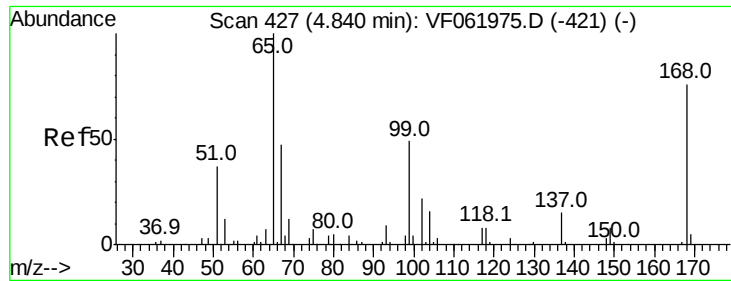
500

0

Time-->

2.10 2.20 2.30





#33

1,2-Dichloroethane-d4

Concen: 43.488 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

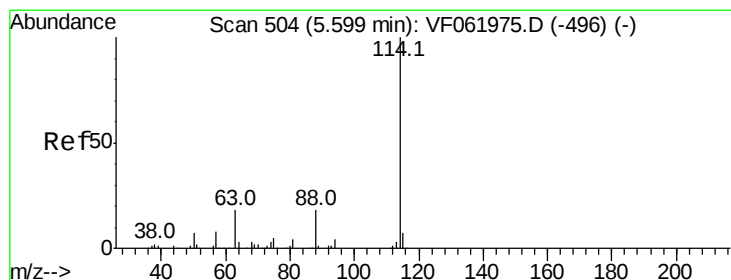
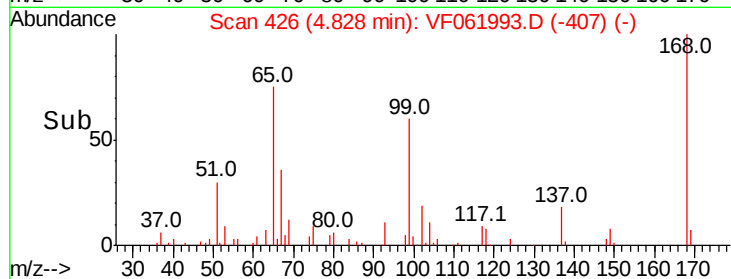
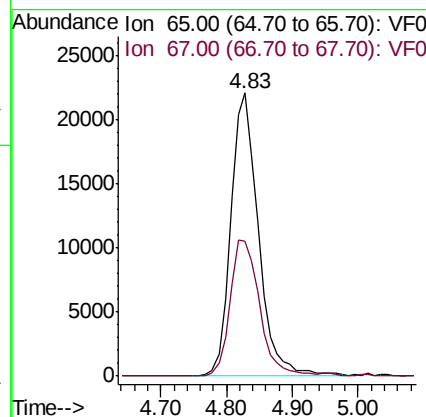
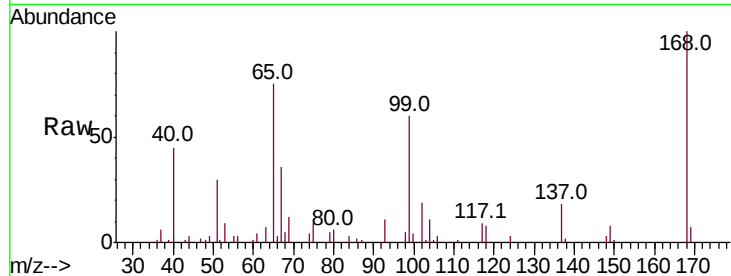
Lab File: VF061993.D

Acq: 18 Mar 2019 13:10

Instrument :
MSVOA_F
ClientSampleId :
BF-06-031119

Tot Ion: 65 Resp: 65133

Ion	Ratio	Lower	Upper
65	100		
67	47.5	0.0	109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

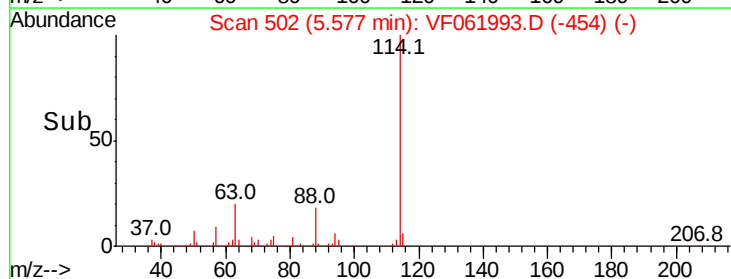
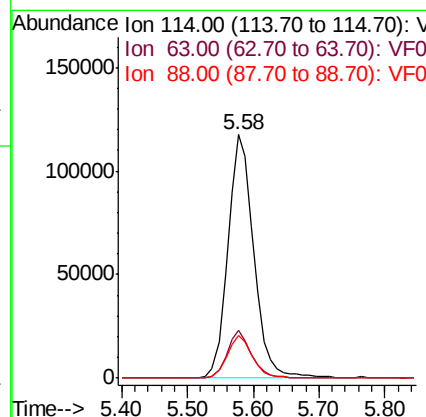
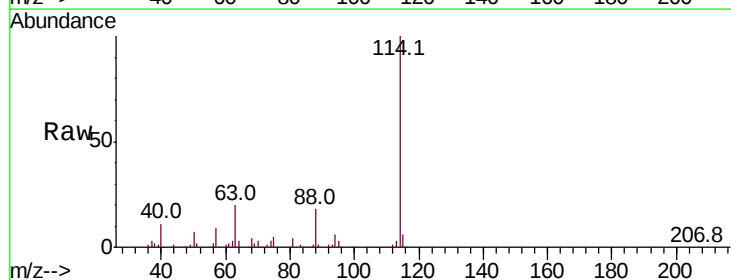
Delta R.T. -0.02 min

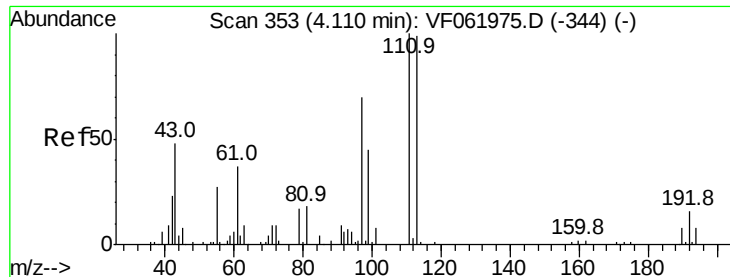
Lab File: VF061993.D

Acq: 18 Mar 2019 13:10

Tgt Ion: 114 Resp: 322408

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	36.4
88	17.7	0.0	36.4





#35

Dibromofluoromethane

Concen: 41.169 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061993.D

Acq: 18 Mar 2019 13:10

Instrument :

MSVOA_F

ClientSampleId :

BF-06-031119

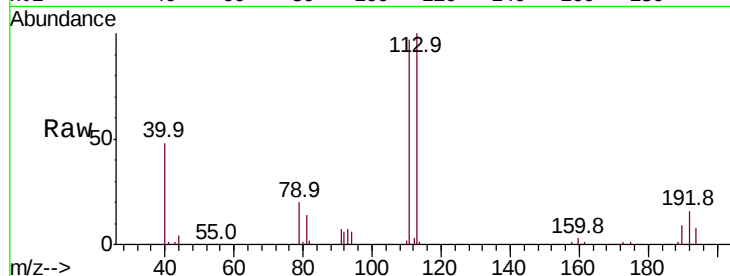
Tot Ion:113 Resp: 89133

Ion Ratio Lower Upper

113 100

111 96.6 80.8 121.2

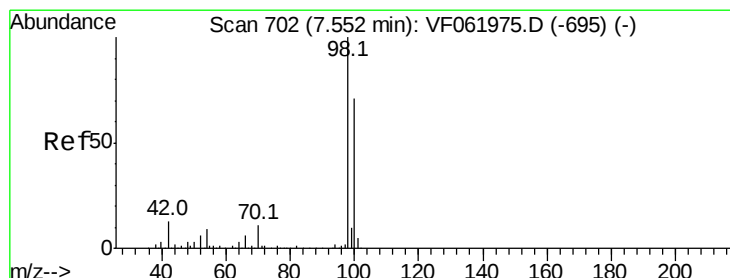
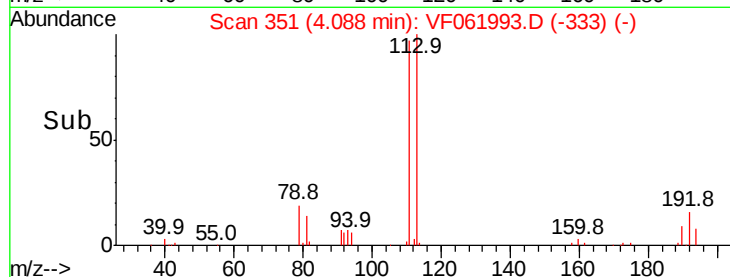
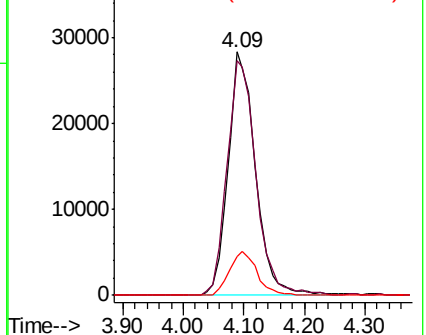
192 15.7 13.0 19.6



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: 35.659 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF061993.D

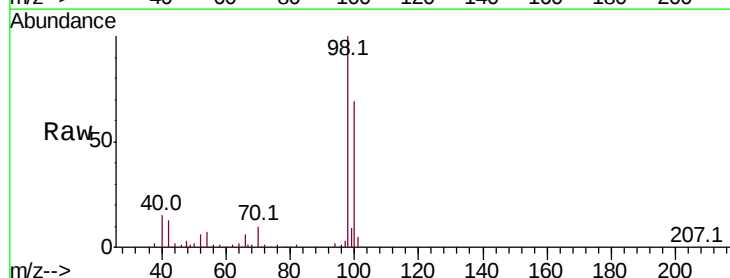
Acq: 18 Mar 2019 13:10

Tgt Ion: 98 Resp: 225686

Ion Ratio Lower Upper

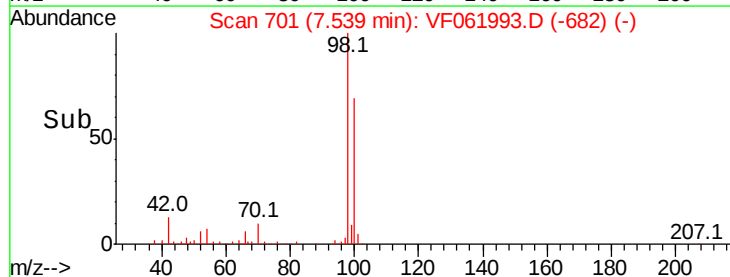
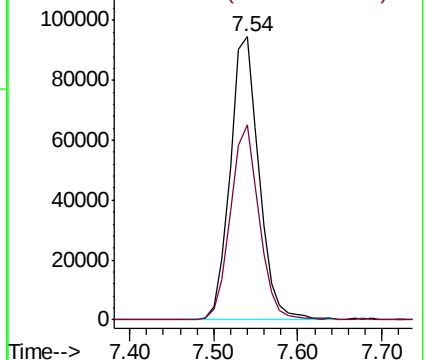
98 100

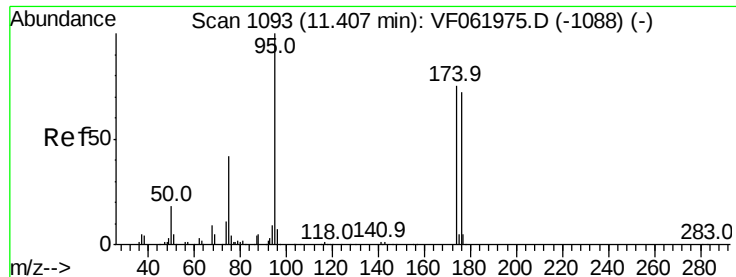
100 69.1 56.8 85.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 37.898 ug/l

RT: 11.39 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061993.D

Acq: 18 Mar 2019 13:10

Instrument :

MSVOA_F

ClientSampleId :

BF-06-031119

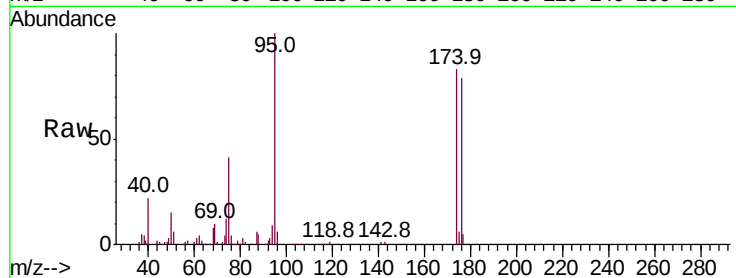
Tot Ion: 95 Resp: 95287

Ion Ratio Lower Upper

95 100

174 83.1 0.0 149.4

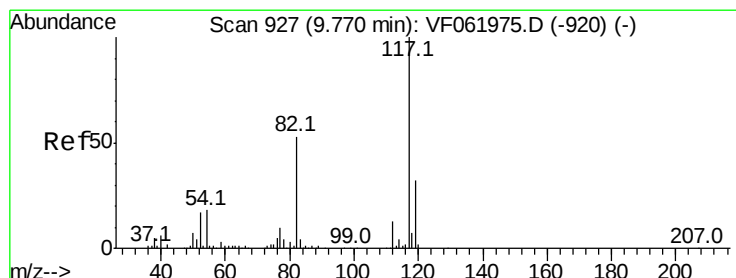
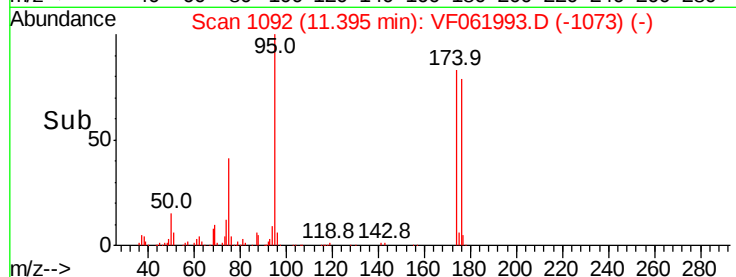
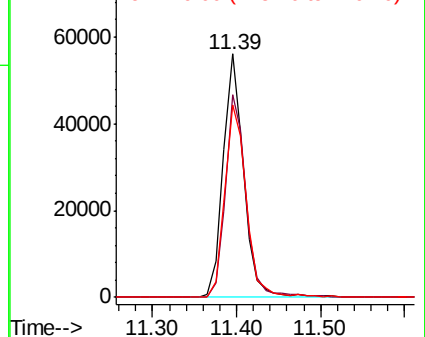
176 79.2 0.0 143.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.01 min

Lab File: VF061993.D

Acq: 18 Mar 2019 13:10

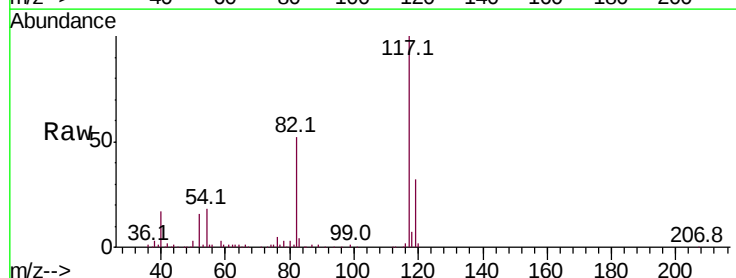
Tgt Ion: 117 Resp: 263638

Ion Ratio Lower Upper

117 100

82 52.3 42.5 63.7

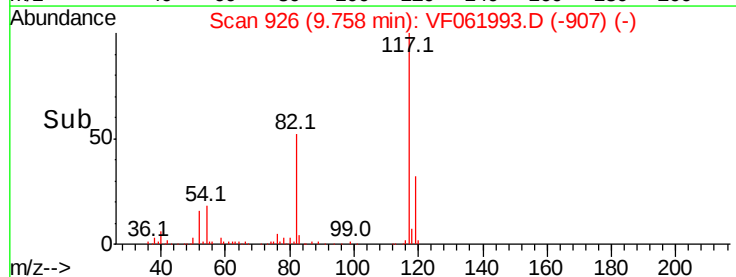
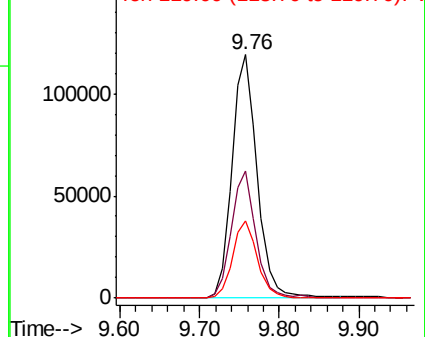
119 31.8 25.4 38.0

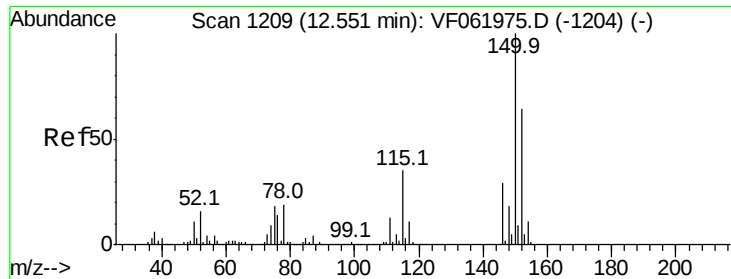


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061993.D

Acq: 18 Mar 2019 13:10

Instrument :

MSVOA_F

ClientSampleId :

BF-06-031119

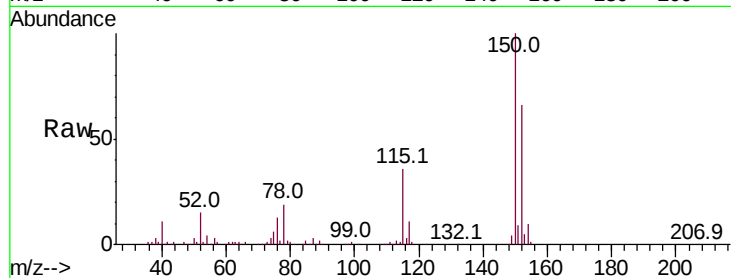
Tot Ion:152 Resp: 146979

Ion Ratio Lower Upper

152 100

115 55.1 27.3 81.9

150 152.3 0.0 316.2



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

