

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021119\
 Data File : VF061588.D
 Acq On : 11 Feb 2019 16:13
 Operator : VA/AP
 Sample : K1453-11
 Misc : 1.70g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 M-9-S

Quant Time: Feb 12 04:34:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

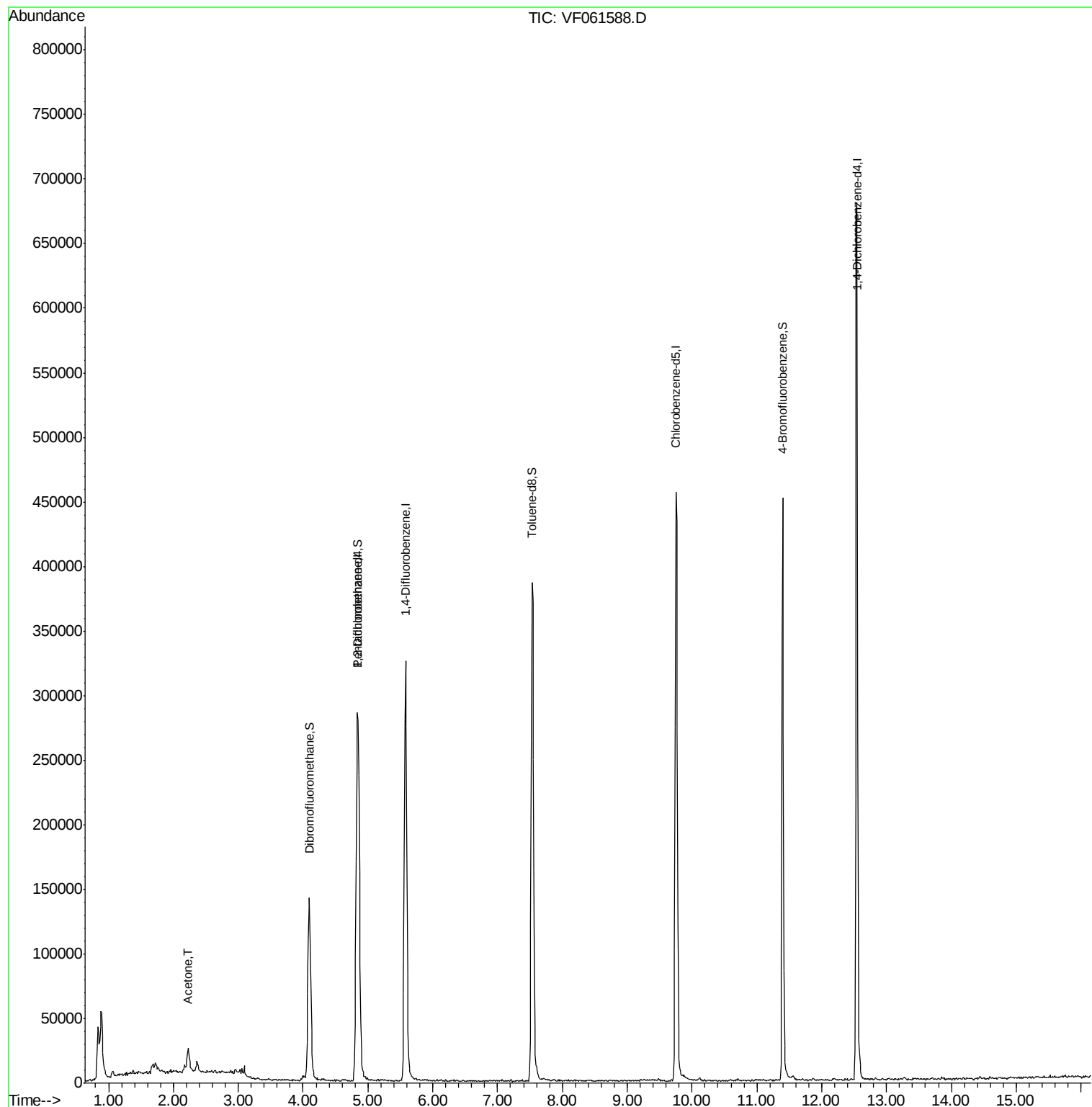
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	206091	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	359237	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	336091	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	183975	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	127495	50.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.22%	
35) Dibromofluoromethane	4.10	113	136485	48.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.30%	
50) Toluene-d8	7.53	98	339481	43.71	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	87.42%	
62) 4-Bromofluorobenzene	11.40	95	173851	47.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.82%	
Target Compounds						
16) Acetone	2.23	43	25823	50.589	ug/l	Qvalue 94

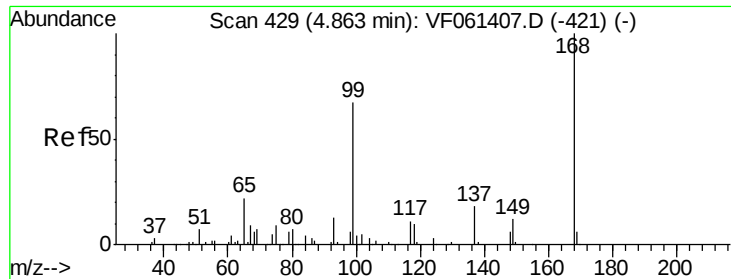
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061588.D

Acq: 11 Feb 2019 16:13

Instrument :

MSVOA_F

ClientSampleId :

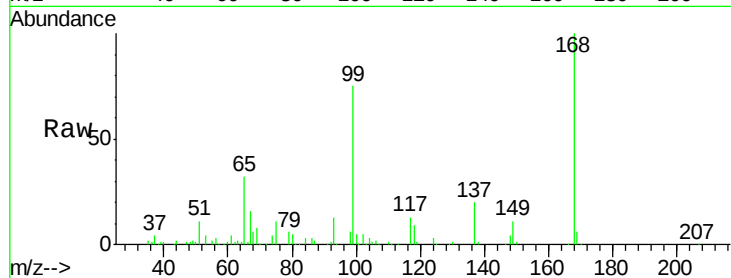
M-9-S

Tot Ion:168 Resp: 206091

Ion Ratio Lower Upper

168 100

99 75.1 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

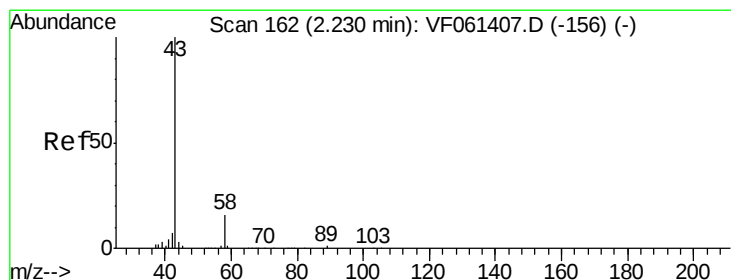
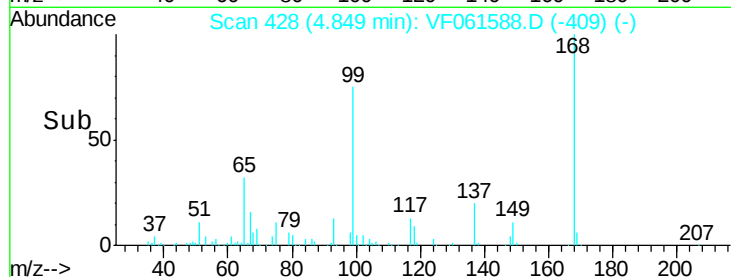
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 50.589 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.00 min

Lab File: VF061588.D

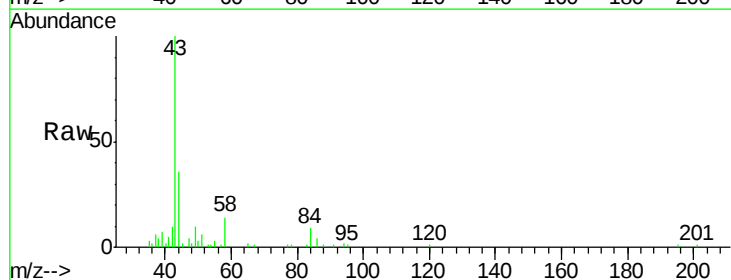
Acq: 11 Feb 2019 16:13

Tgt Ion: 43 Resp: 25823

Ion Ratio Lower Upper

43 100

58 14.1 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.23

12000

10000

8000

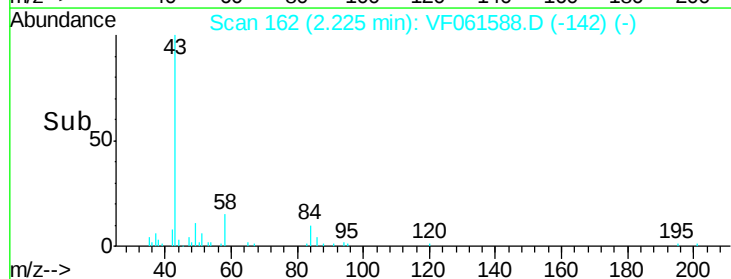
6000

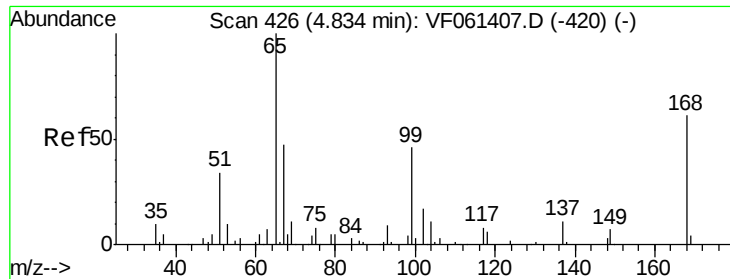
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 50.107 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.00 min

Lab File: VF061588.D

Acq: 11 Feb 2019 16:13

Instrument :

MSVOA_F

ClientSampleId :

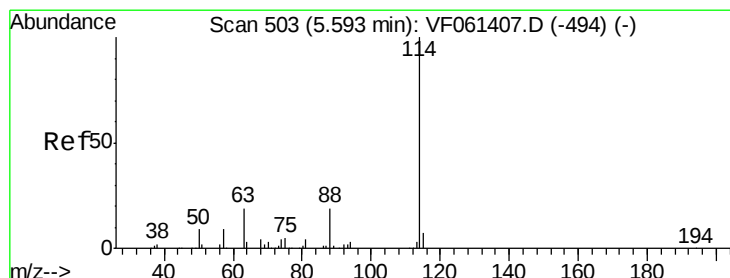
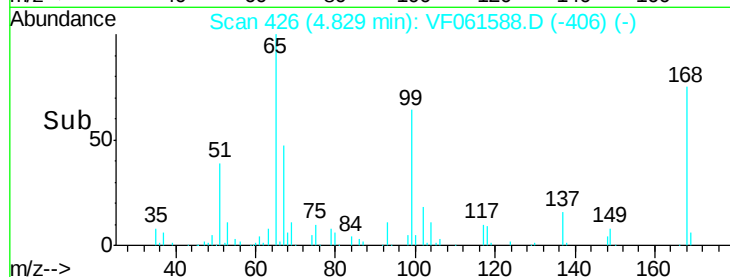
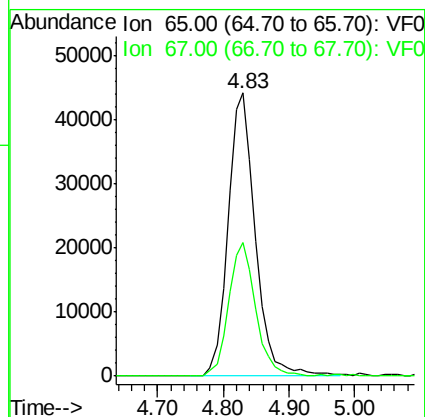
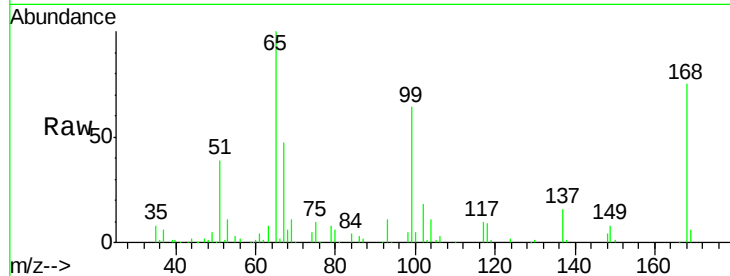
M-9-S

Tot Ion: 65 Resp: 127495

Ion Ratio Lower Upper

65 100

67 47.3 0.0 99.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061588.D

Acq: 11 Feb 2019 16:13

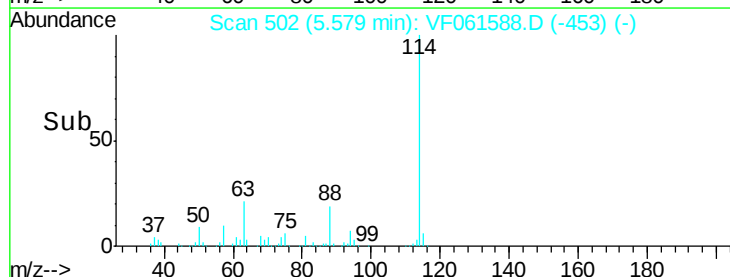
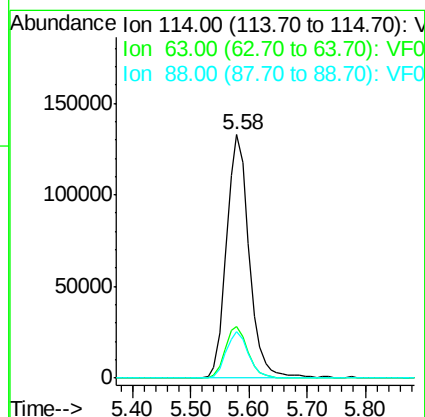
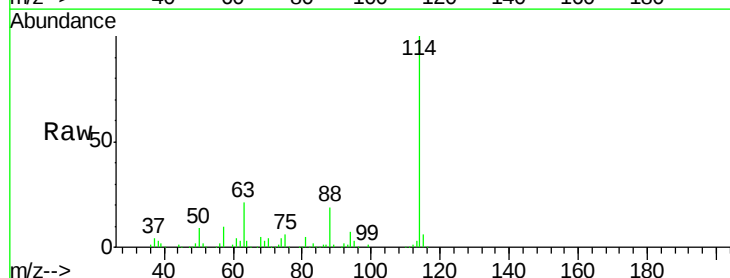
Tgt Ion: 114 Resp: 359237

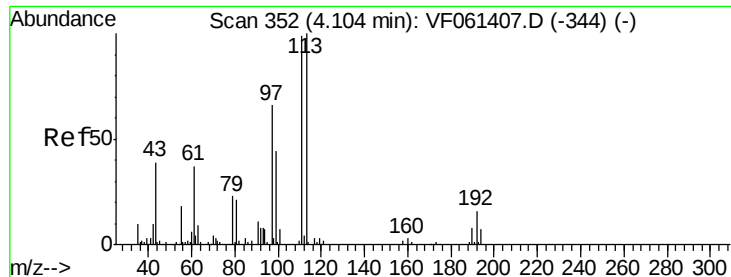
Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.0

88 19.1 0.0 37.4





#35

Dibromofluoromethane

Concen: 48.148 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF061588.D

Acq: 11 Feb 2019 16:13

Instrument :

MSVOA_F

ClientSampled :

M-9-S

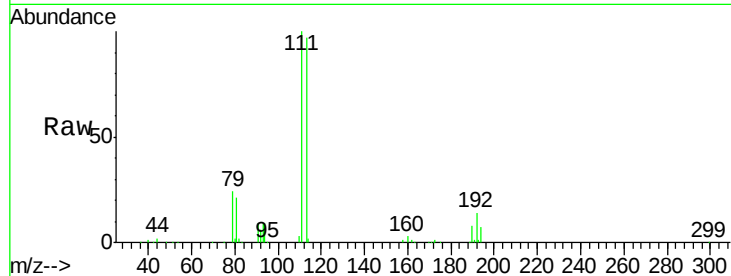
Tot Ion:113 Resp: 136485

Ion Ratio Lower Upper

113 100

111 102.6 79.4 119.0

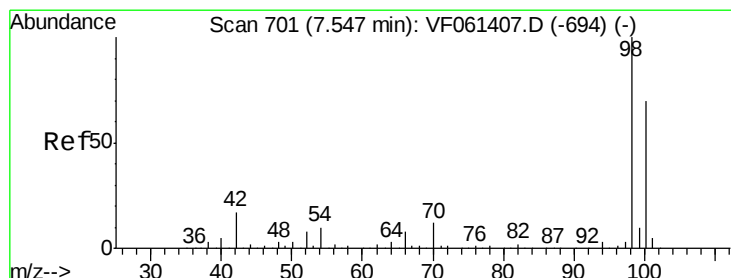
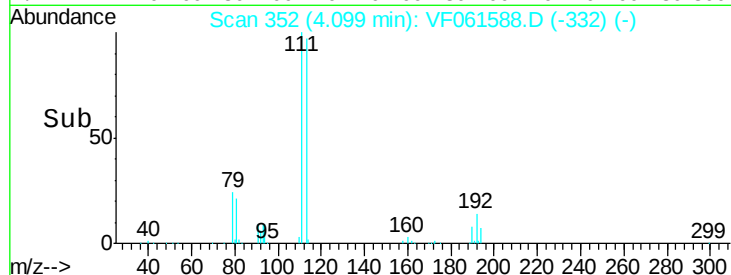
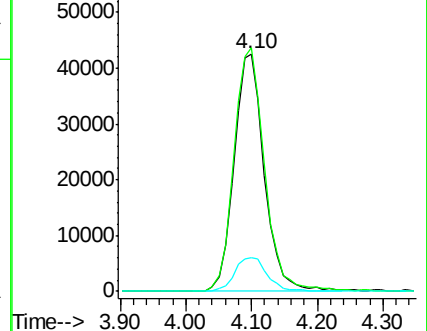
192 14.4 12.4 18.6



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: 43.711 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF061588.D

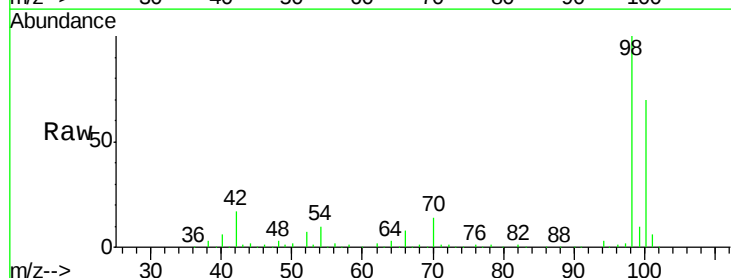
Acq: 11 Feb 2019 16:13

Tgt Ion: 98 Resp: 339481

Ion Ratio Lower Upper

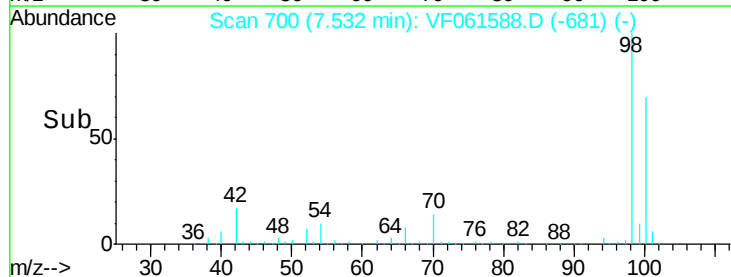
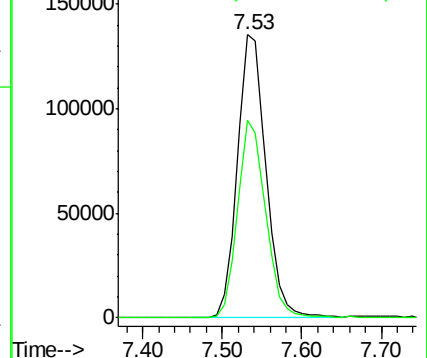
98 100

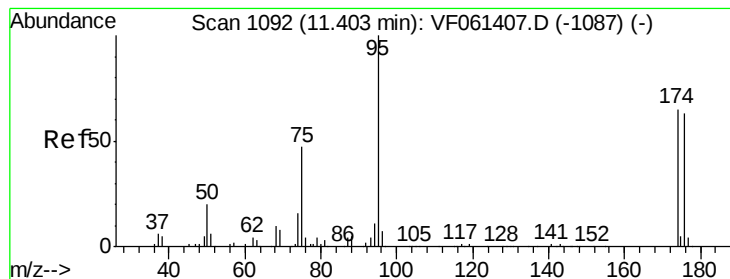
100 69.7 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 47.909 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061588.D

Acq: 11 Feb 2019 16:13

Instrument :

MSVOA_F

ClientSampled :

M-9-S

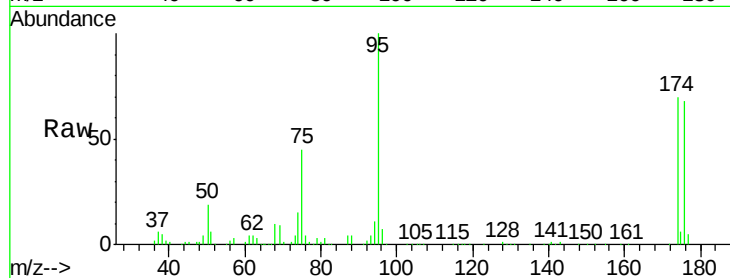
Tot Ion: 95 Resp: 173851

Ion Ratio Lower Upper

95 100

174 70.2 0.0 130.4

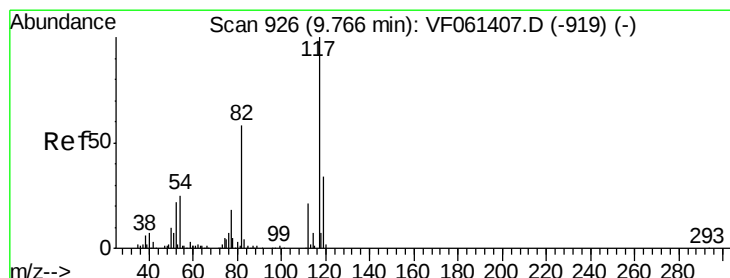
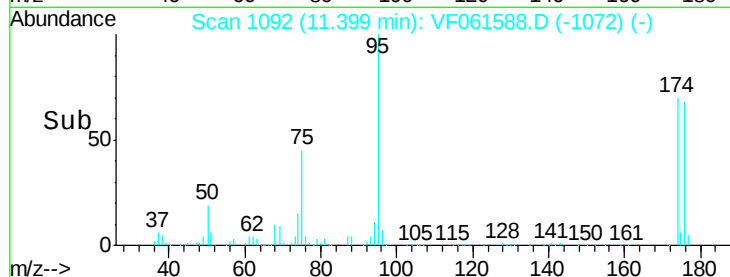
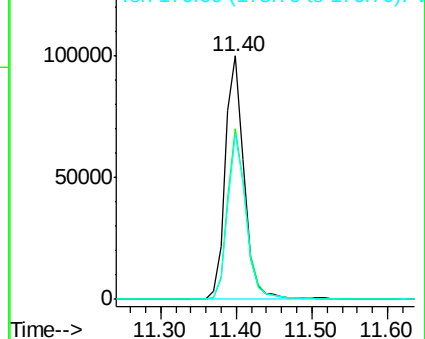
176 68.0 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF061407.D (-1087) (-)

Ion 174.00 (173.70 to 174.70): VF061407.D (-1087) (-)

Ion 176.00 (175.70 to 176.70): VF061407.D (-1087) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.00 min

Lab File: VF061588.D

Acq: 11 Feb 2019 16:13

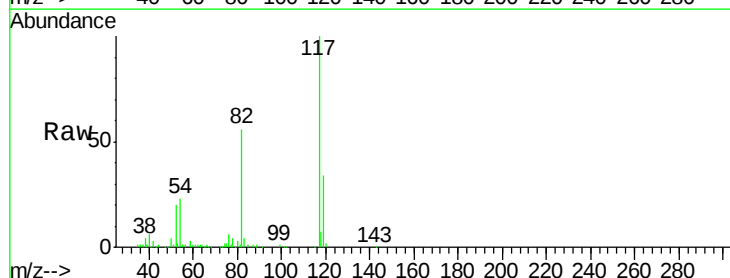
Tgt Ion: 117 Resp: 336091

Ion Ratio Lower Upper

117 100

82 56.4 46.4 69.6

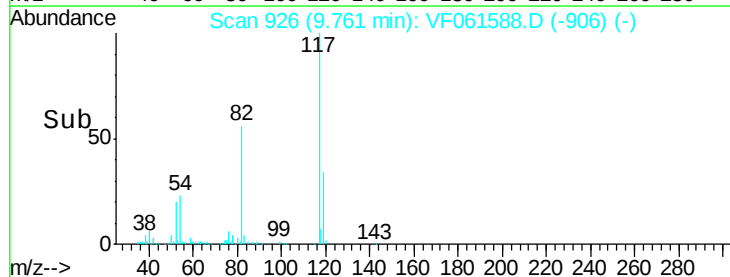
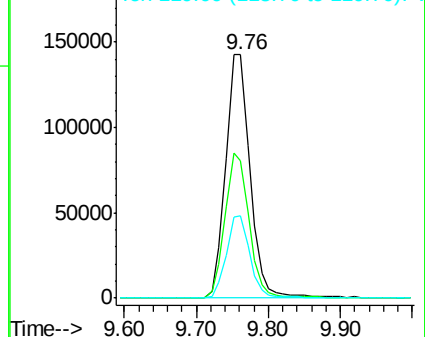
119 33.8 27.2 40.8

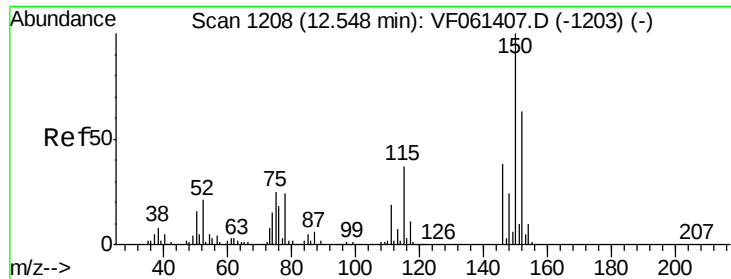


Abundance Ion 117.00 (116.70 to 117.70): VF061407.D (-919) (-)

Ion 82.00 (81.70 to 82.70): VF061407.D (-919) (-)

Ion 119.00 (118.70 to 119.70): VF061407.D (-919) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061588.D

Acq: 11 Feb 2019 16:13

Instrument :

MSVOA_F

ClientSampleId :

M-9-S

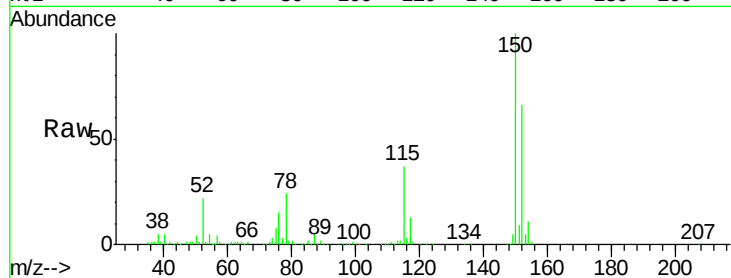
Tot Ion:152 Resp: 183975

Ion Ratio Lower Upper

152 100

115 56.6 30.0 90.0

150 152.1 0.0 321.4



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

