

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031819\
 Data File : VF061994.D
 Acq On : 18 Mar 2019 13:39
 Operator : VA/AP
 Sample : K1861-03RE
 Misc : 5.08g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 BF-08-031119RE

Quant Time: Mar 19 01:41:12 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	267814	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	409212	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	347552	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	196670	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	66519	34.50	ug/l	-0.01
Spiked Amount			Recovery	=	69.00%	
35) Dibromofluoromethane	4.10	113	92861	33.79	ug/l	-0.01
Spiked Amount			Recovery	=	67.58%	
50) Toluene-d8	7.54	98	241895	30.11	ug/l	-0.01
Spiked Amount			Recovery	=	60.22%	
62) 4-Bromofluorobenzene	11.40	95	107706	33.75	ug/l	-0.01
Spiked Amount			Recovery	=	67.50%	

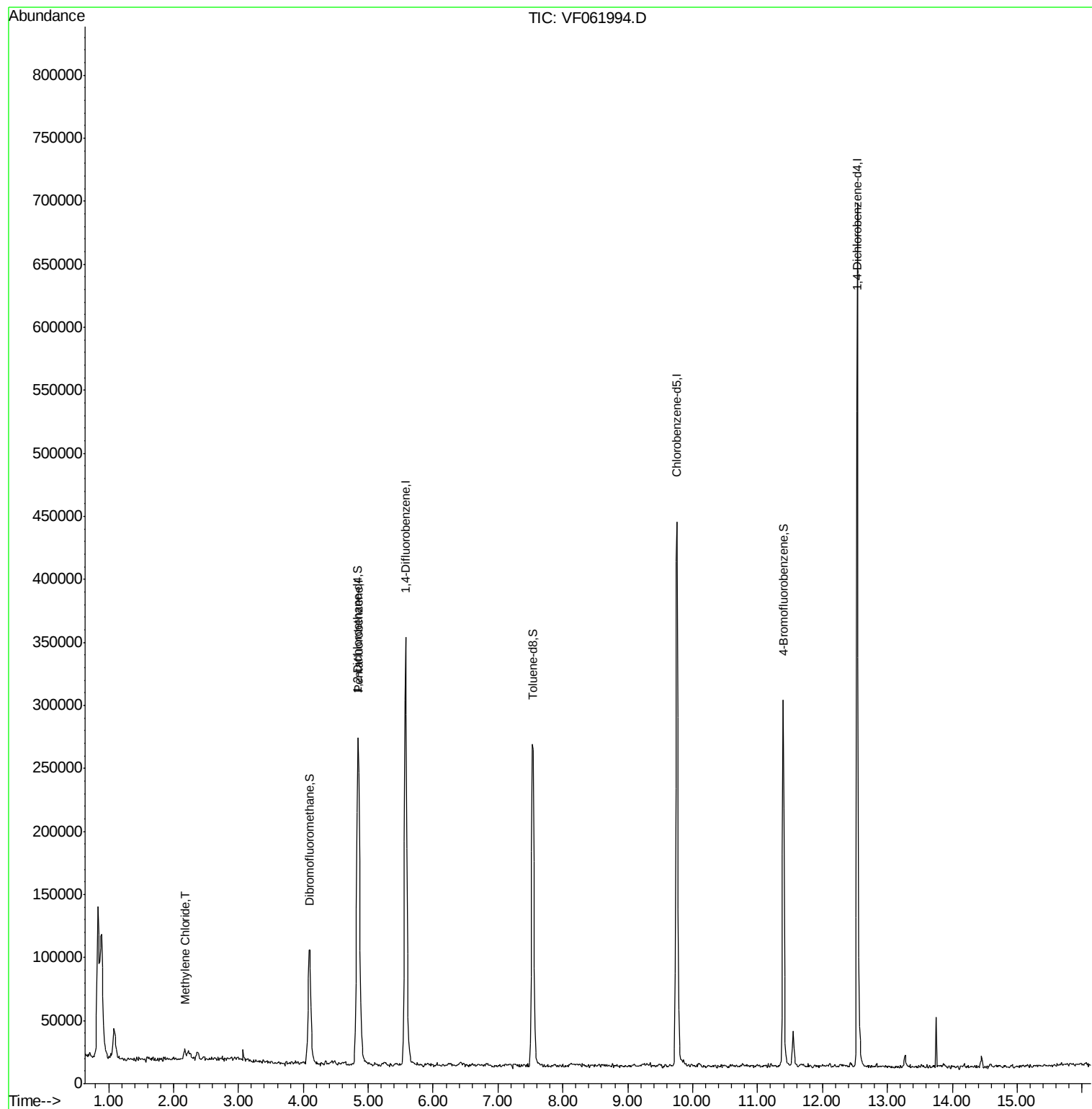
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	2.18	84	7566m	3.395	ug/l	

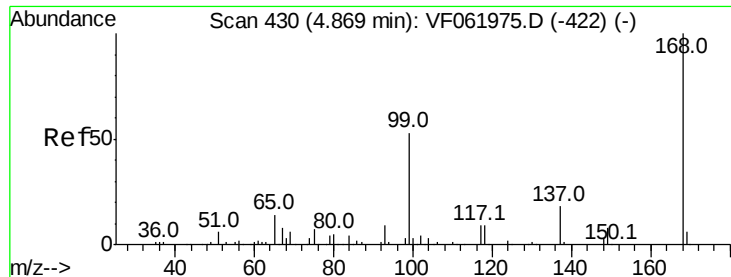
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061994.D

Acq: 18 Mar 2019 13:39

Instrument :

MSVOA_F

ClientSampleId :

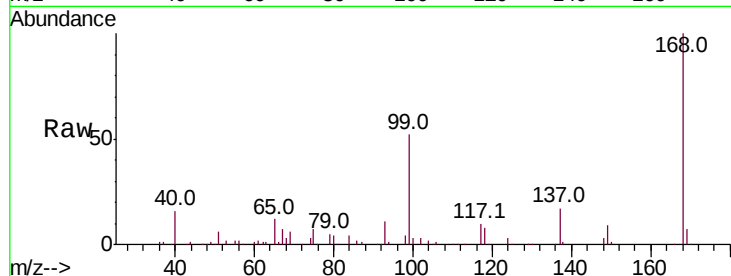
BF-08-031119RE

Tot Ion:168 Resp: 267814

Ion Ratio Lower Upper

168 100

99 52.3 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF061975.D (-422) (-)

Ion 99.00 (98.70 to 99.70): VF061975.D (-422) (-)

4.85

80000

60000

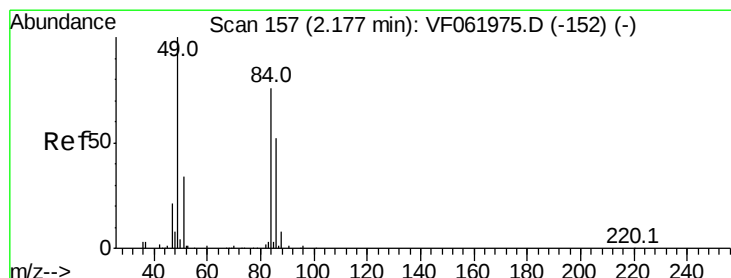
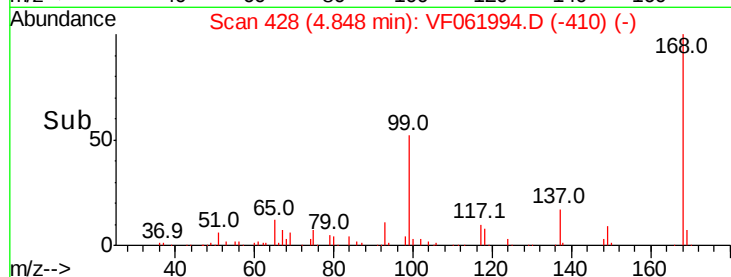
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#20

Methylene Chloride

Concen: 3.395 ug/l m

RT: 2.18 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF061994.D

Acq: 18 Mar 2019 13:39

Tgt Ion: 84 Resp: 7566

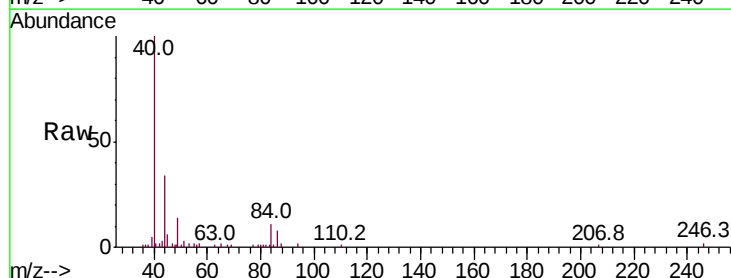
Ion Ratio Lower Upper

84 100

49 122.0 107.0 160.6

51 30.1 37.2 55.8#

86 73.8 55.3 82.9



Abundance Ion 84.00 (83.70 to 84.70): VF061975.D (-152) (-)

Ion 49.00 (48.70 to 49.70): VF061975.D (-152) (-)

Ion 51.00 (50.70 to 51.70): VF061975.D (-152) (-)

Ion 86.00 (85.70 to 86.70): VF061975.D (-152) (-)

2500

2000

1500

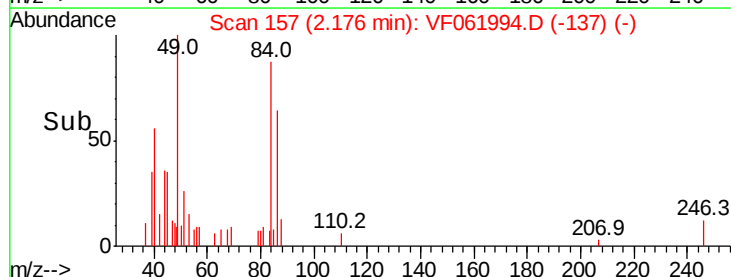
1000

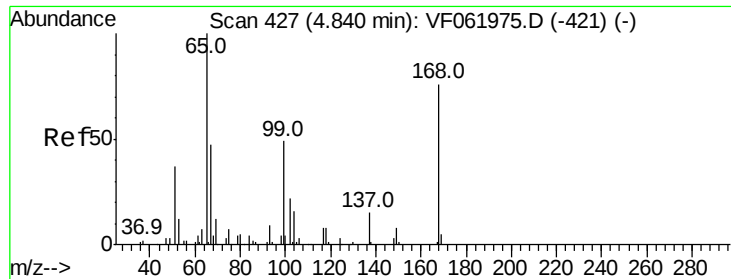
500

0

2.10 2.20 2.30

Time-->





#33

1,2-Dichloroethane-d4

Concen: 34.505 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF061994.D

Acq: 18 Mar 2019 13:39

Instrument :

MSVOA_F

ClientSampleId :

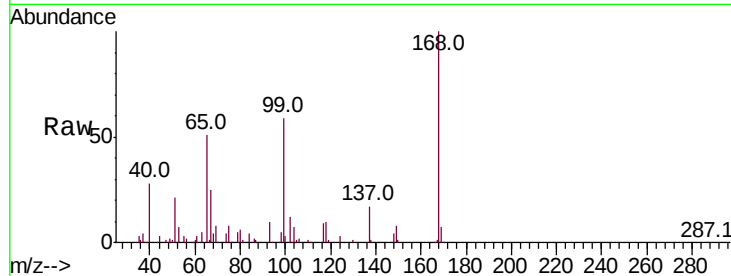
BF-08-031119RE

Tot Ion: 65 Resp: 66519

Ion Ratio Lower Upper

65 100

67 49.1 0.0 109.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

25000

20000

15000

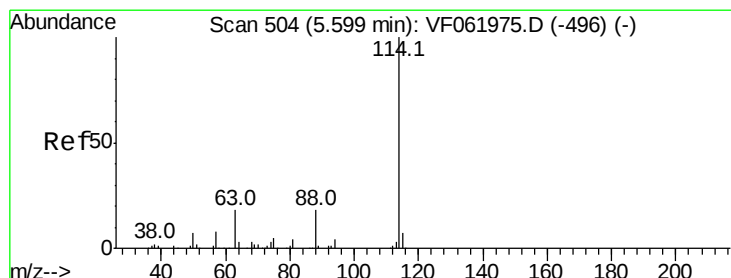
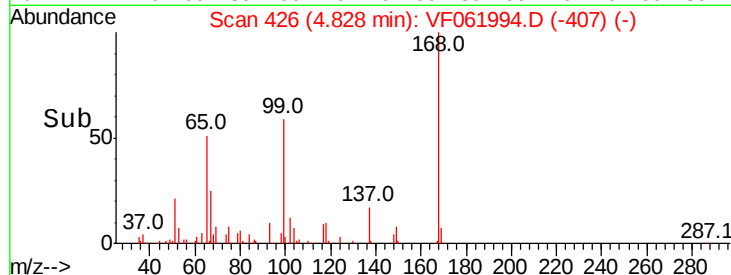
10000

5000

0

4.70 4.80 4.90 5.00

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.02 min

Lab File: VF061994.D

Acq: 18 Mar 2019 13:39

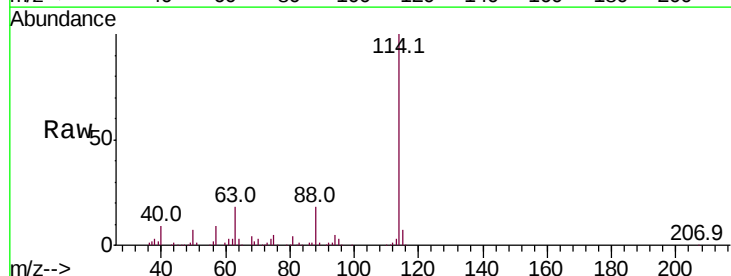
Tgt Ion: 114 Resp: 409212

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.4

88 18.1 0.0 36.4



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

200000

150000

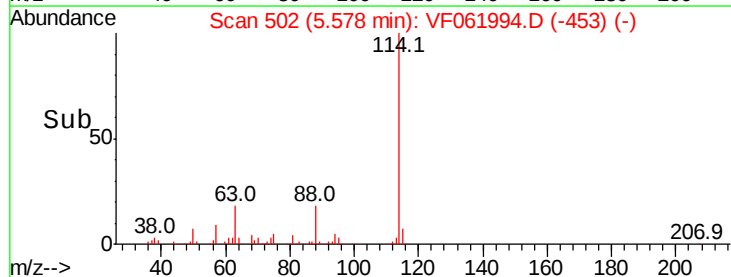
100000

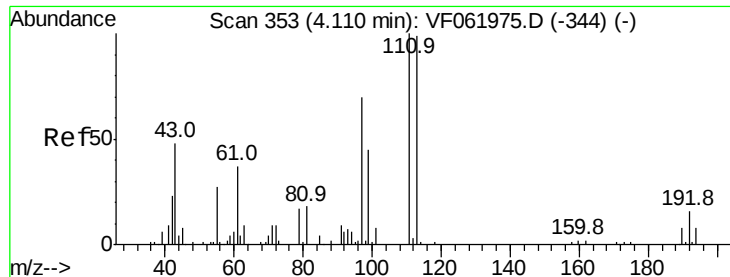
50000

0

5.40 5.50 5.60 5.70 5.80

Time-->





#35

Dibromofluoromethane

Concen: 33.793 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061994.D

Acq: 18 Mar 2019 13:39

Instrument :

MSVOA_F

ClientSampleId :

BF-08-031119RE

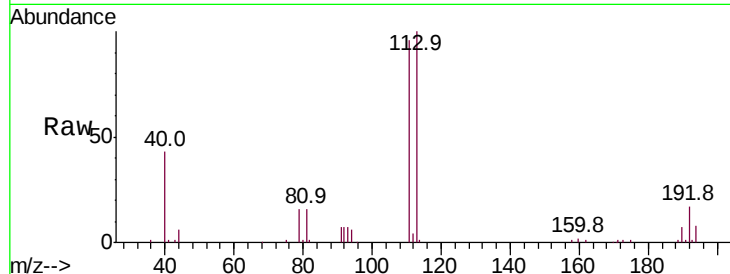
Tot Ion:113 Resp: 92861

Ion Ratio Lower Upper

113 100

111 96.2 80.8 121.2

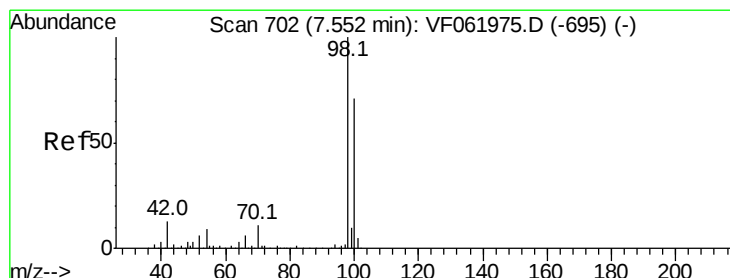
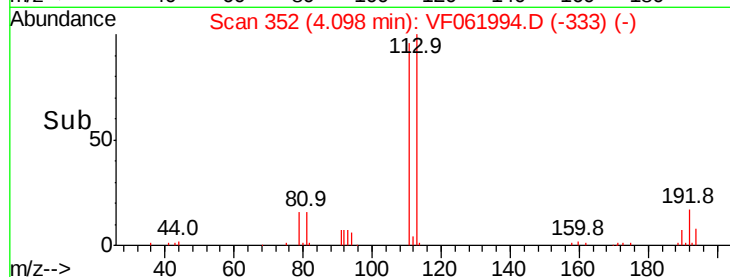
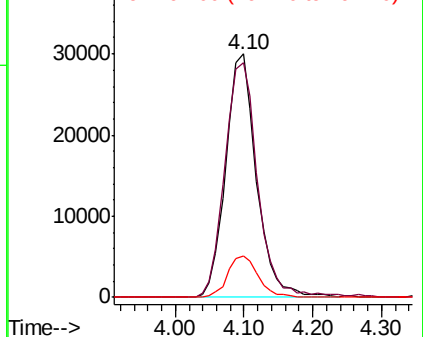
192 17.1 13.0 19.6



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: 30.113 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF061994.D

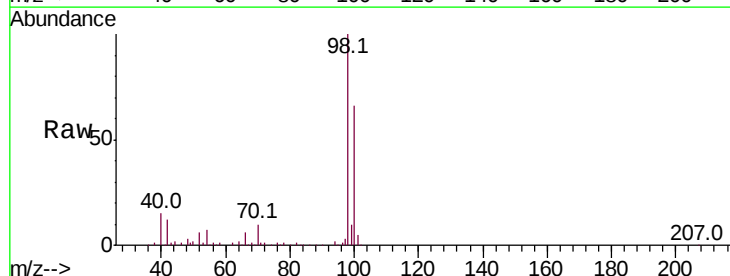
Acq: 18 Mar 2019 13:39

Tgt Ion: 98 Resp: 241895

Ion Ratio Lower Upper

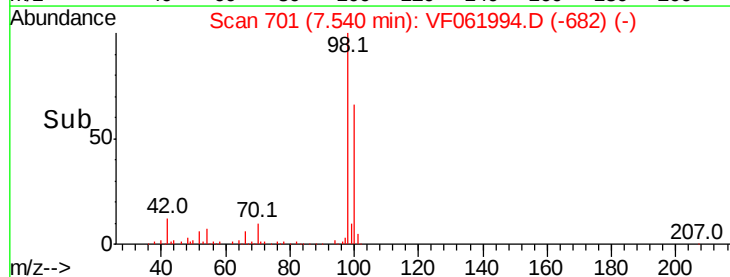
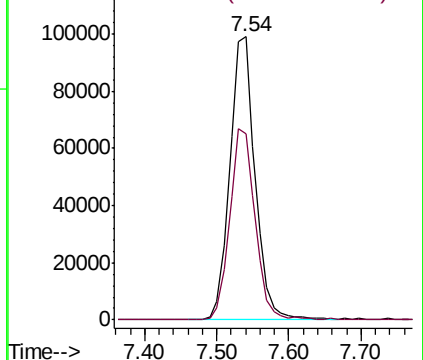
98 100

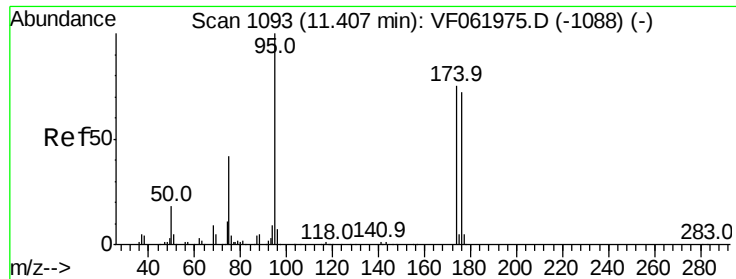
100 65.7 56.8 85.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 33.751 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061994.D

Acq: 18 Mar 2019 13:39

Instrument :

MSVOA_F

ClientSampleId :

BF-08-031119RE

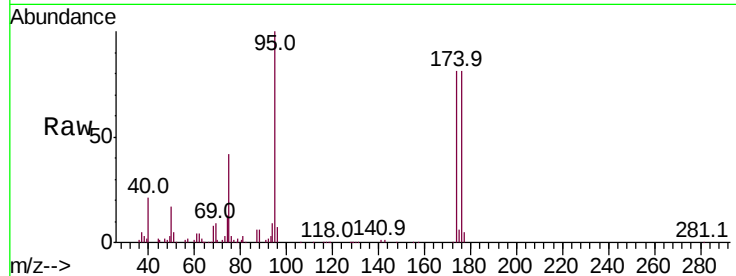
Tot Ion: 95 Resp: 107706

Ion Ratio Lower Upper

95 100

174 81.5 0.0 149.4

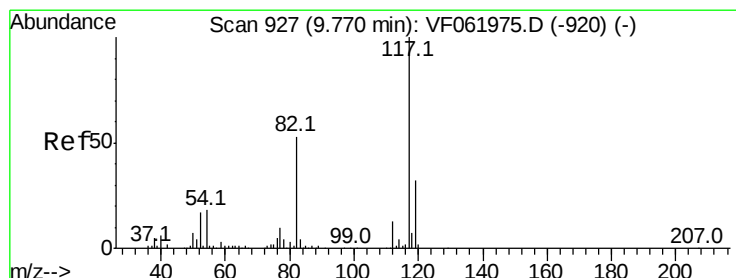
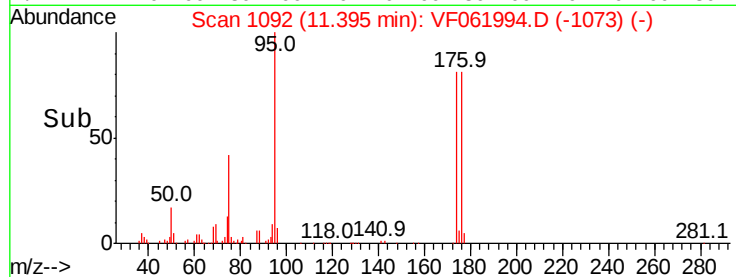
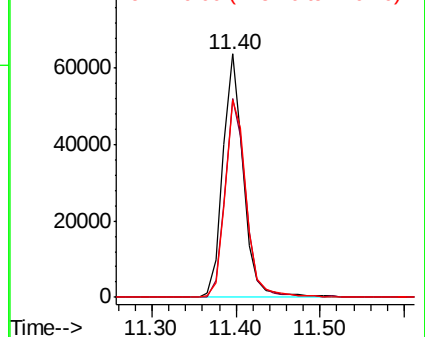
176 81.2 0.0 143.4



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: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.01 min

Lab File: VF061994.D

Acq: 18 Mar 2019 13:39

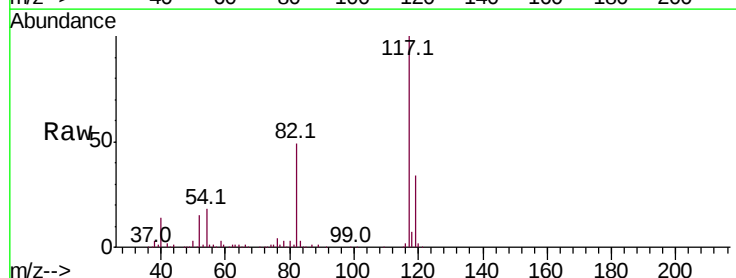
Tgt Ion: 117 Resp: 347552

Ion Ratio Lower Upper

117 100

82 49.3 42.5 63.7

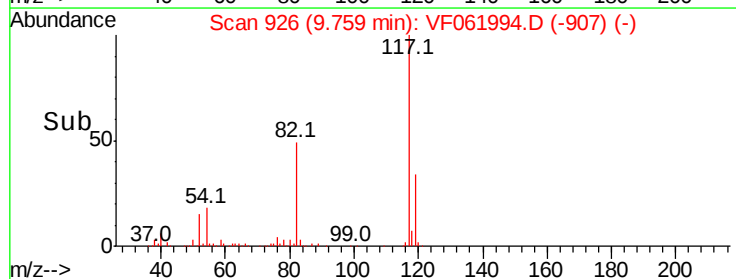
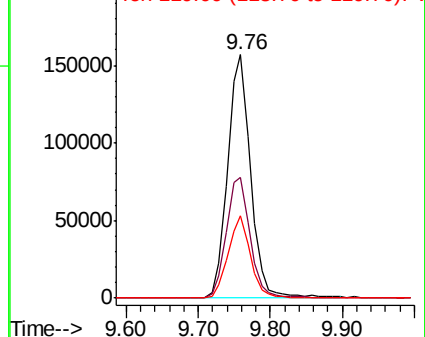
119 34.1 25.4 38.0

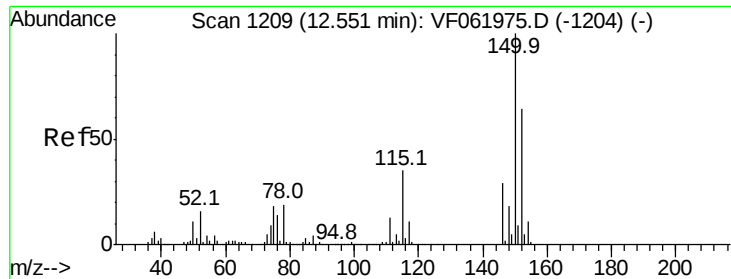


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061994.D

Acq: 18 Mar 2019 13:39

Instrument :

MSVOA_F

ClientSampleId :

BF-08-031119RE

Tot Ion:152 Resp: 196670

Ion Ratio Lower Upper

152 100

115 52.2 27.3 81.9

150 151.4 0.0 316.2

