

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF050719\
 Data File : VF062353.D
 Acq On : 7 May 2019 13:13
 Operator : FY/SY
 Sample : K2667-01
 Misc : 4.91g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-A

Quant Time: May 07 15:43:11 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

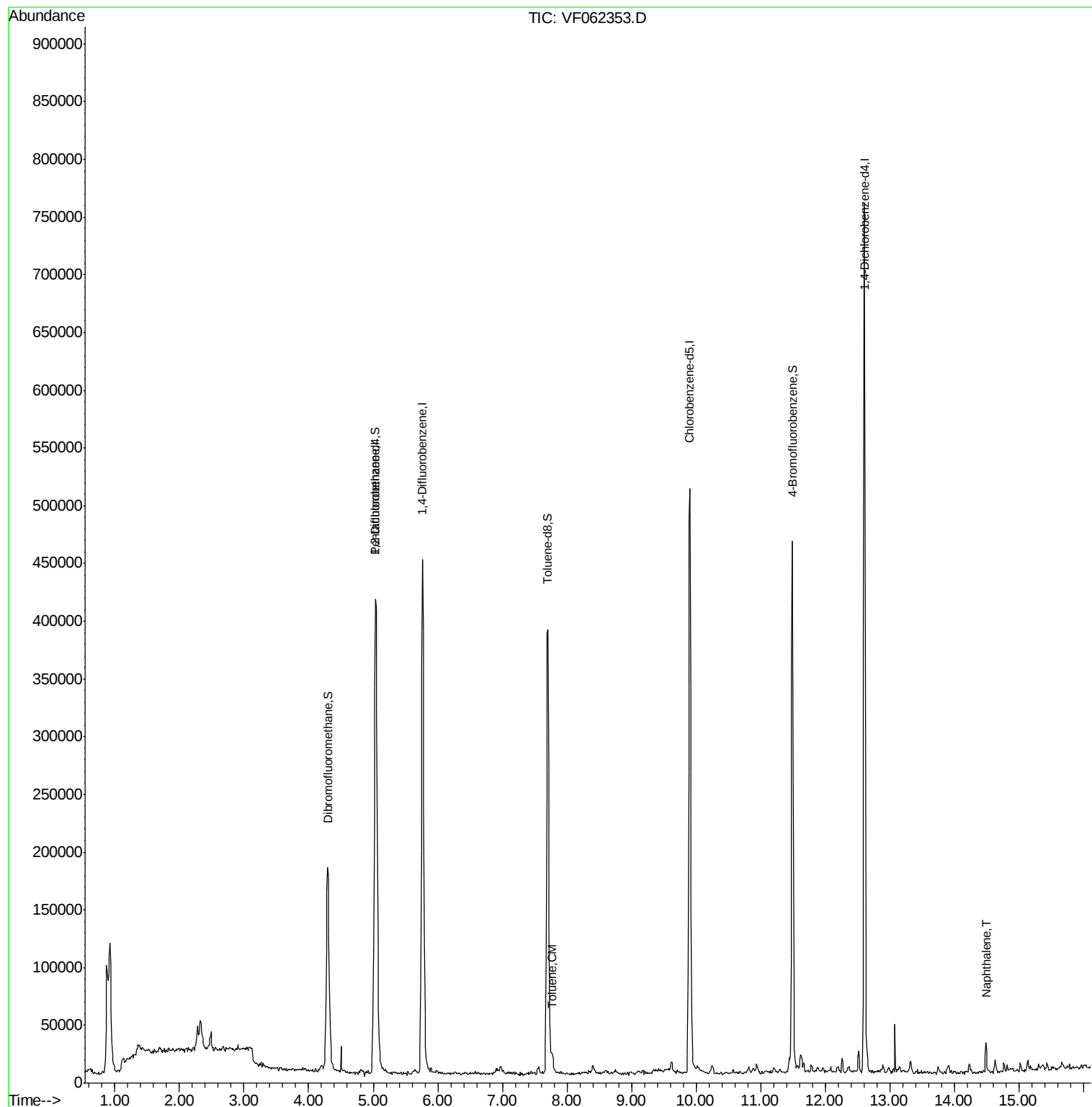
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	357557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	481360	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	382221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	191761	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	136685	40.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.90%	
35) Dibromofluoromethane	4.29	113	167324	43.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.26%	
50) Toluene-d8	7.71	98	343564	37.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.02%	
62) 4-Bromofluorobenzene	11.49	95	147463	35.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.42%	
Target Compounds						
52) Toluene	7.77	92	6782	1.207	ug/l	94
95) Naphthalene	14.49	128	16291	2.291	ug/l	96

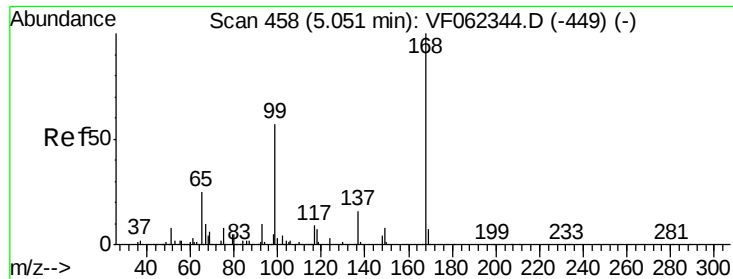
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062353.D

Acq: 7 May 2019 13:13

Instrument :

MSVOA_F

ClientSampled :

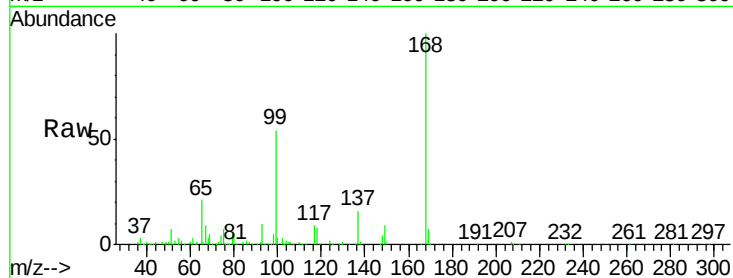
SP-1-A

Tot Ion:168 Resp: 357557

Ion Ratio Lower Upper

168 100

99 54.0 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

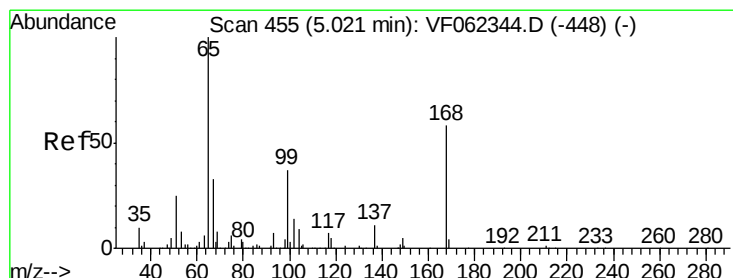
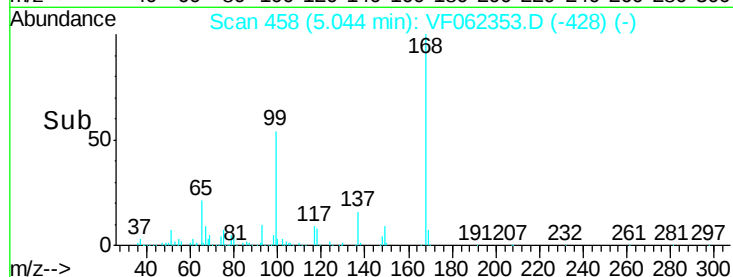
5.04

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 40.451 ug/l

RT: 5.02 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF062353.D

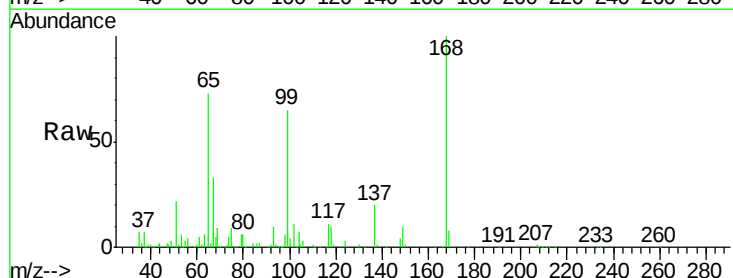
Acq: 7 May 2019 13:13

Tgt Ion: 65 Resp: 136685

Ion Ratio Lower Upper

65 100

67 46.2 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

5.02

50000

40000

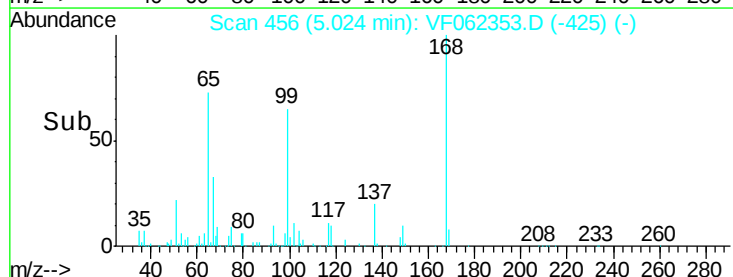
30000

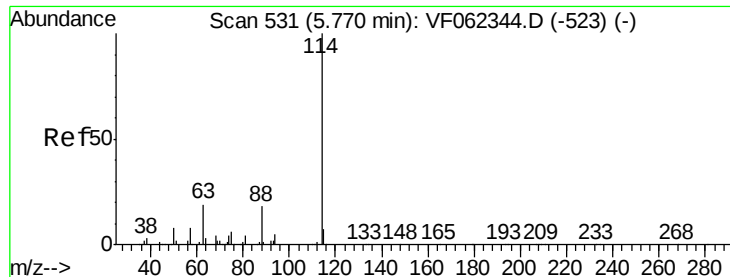
20000

10000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF062353.D

Acq: 7 May 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

SP-1-A

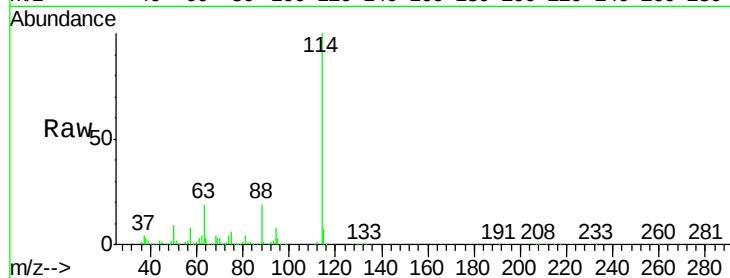
Tot Ion:114 Resp: 481360

Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.4

88 18.7 0.0 36.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

250000

200000

150000

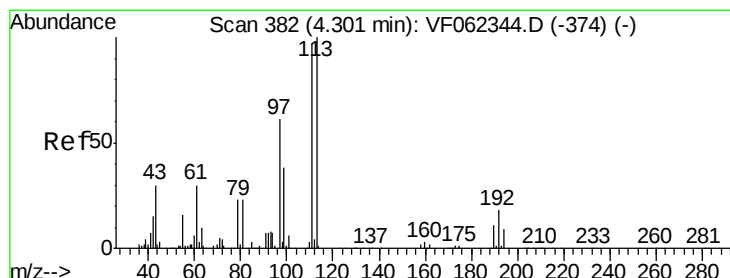
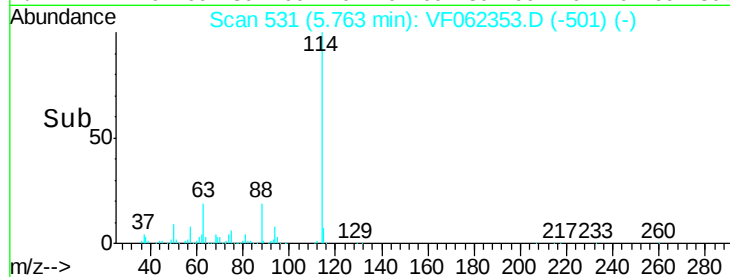
100000

50000

0

5.60 5.70 5.80 5.90

Time-->



#35

Dibromofluoromethane

Concen: 43.632 ug/l

RT: 4.29 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF062353.D

Acq: 7 May 2019 13:13

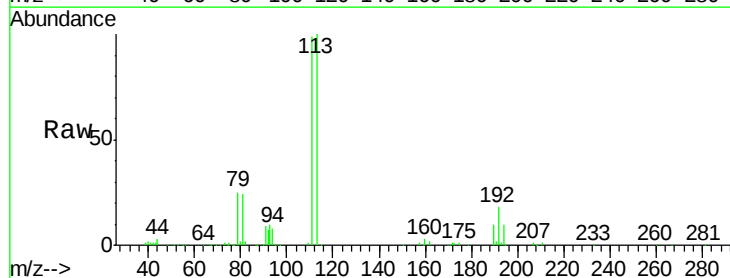
Tgt Ion:113 Resp: 167324

Ion Ratio Lower Upper

113 100

111 100.4 79.4 119.0

192 19.3 16.0 24.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

60000

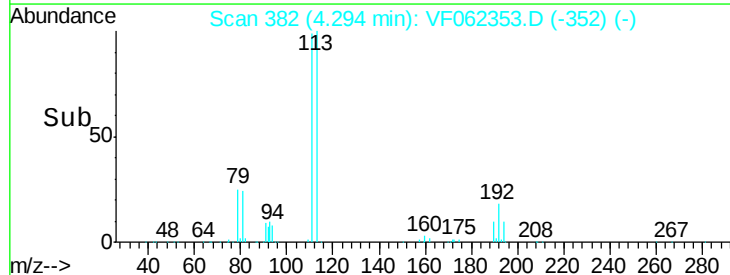
40000

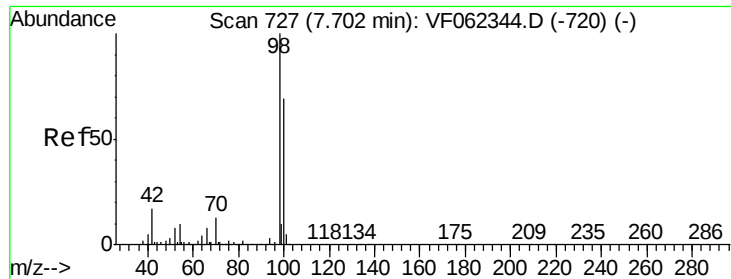
20000

0

4.20 4.40 4.60

Time-->





#50

Toluene-d8

Concen: 37.010 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF062353.D

Acq: 7 May 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

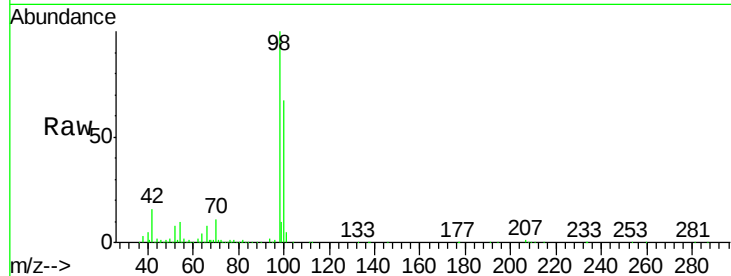
SP-1-A

Tot Ion: 98 Resp: 343564

Ion Ratio Lower Upper

98 100

100 67.5 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.71

150000

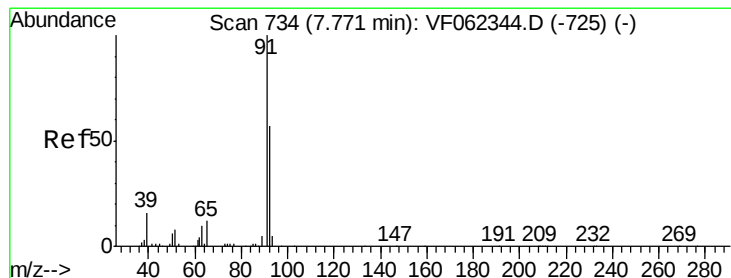
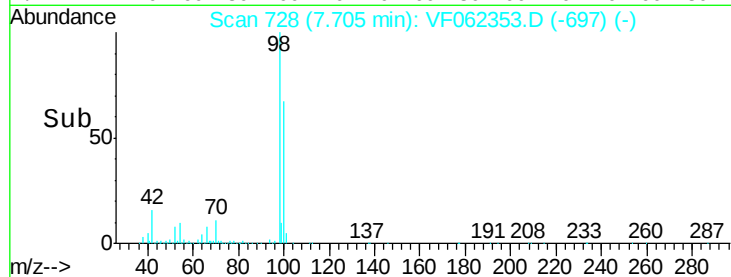
100000

50000

0

Time-->

7.60 7.70 7.80 7.90



#52

Toluene

Concen: 1.207 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF062353.D

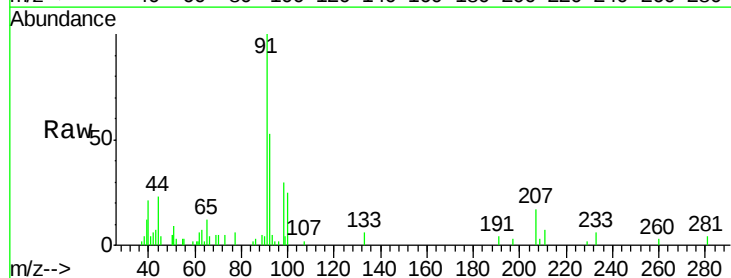
Acq: 7 May 2019 13:13

Tgt Ion: 92 Resp: 6782

Ion Ratio Lower Upper

92 100

91 181.8 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

6000

5000

4000

3000

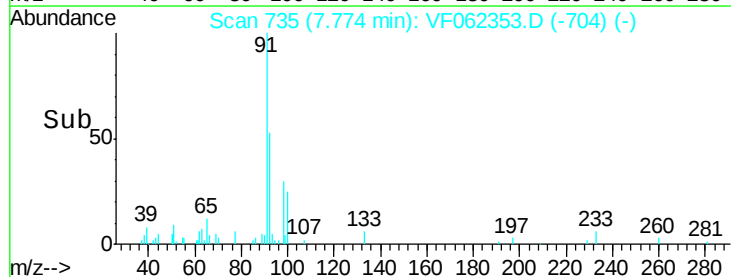
2000

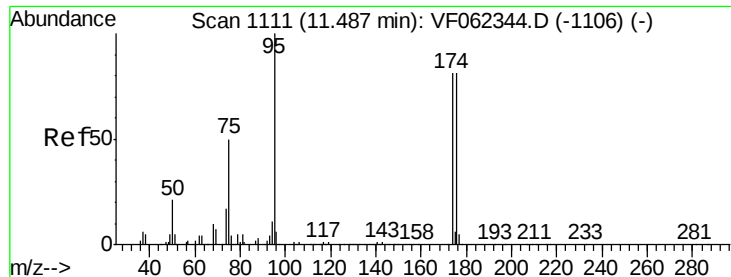
1000

0

Time-->

7.70 7.75 7.80 7.85





#62

4-Bromofluorobenzene

Concen: 35.210 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF062353.D

Acq: 7 May 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

SP-1-A

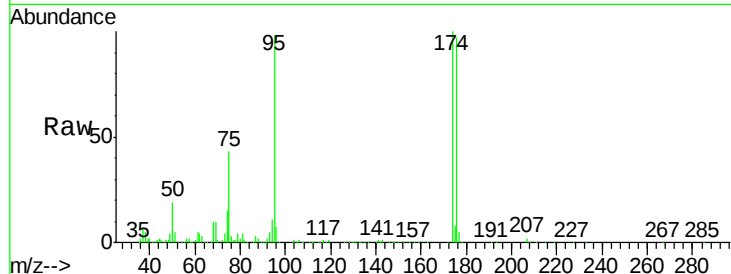
Tot Ion: 95 Resp: 147463

Ion Ratio Lower Upper

95 100

174 97.1 0.0 191.8

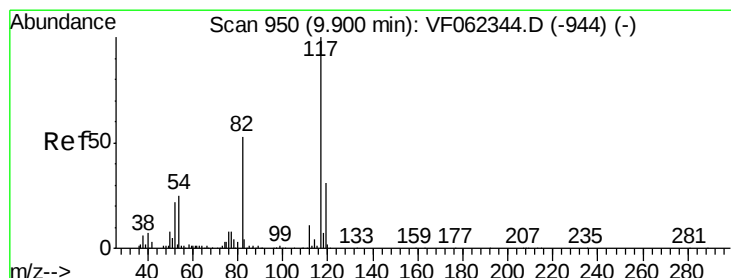
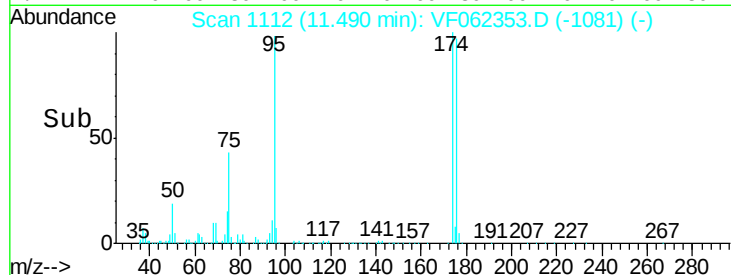
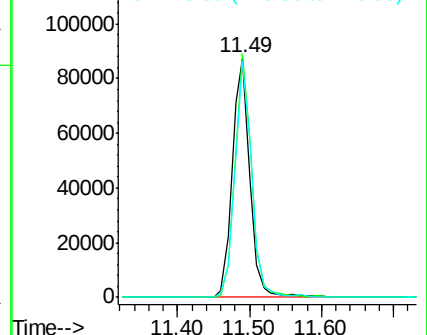
176 95.5 0.0 193.2



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): VF0

Ion 175.80 (175.50 to 176.50): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 951

Delta R.T. 0.00 min

Lab File: VF062353.D

Acq: 7 May 2019 13:13

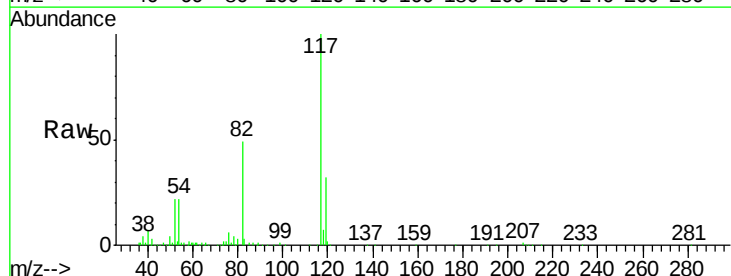
Tgt Ion: 117 Resp: 382221

Ion Ratio Lower Upper

117 100

82 49.2 42.2 63.2

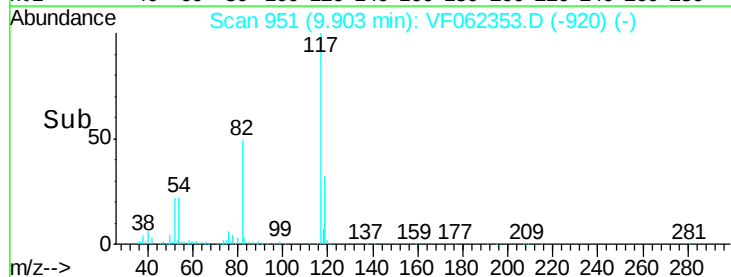
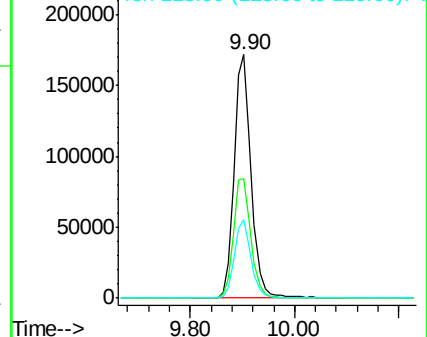
119 32.5 25.0 37.4

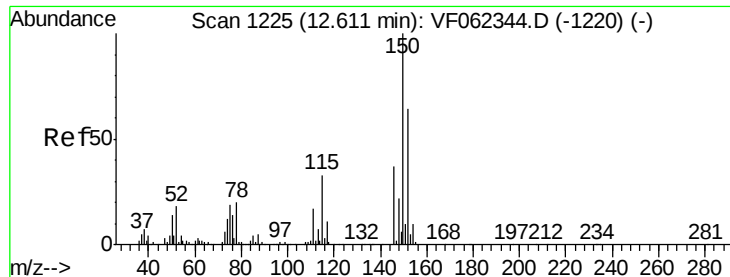


Abundance Ion 116.90 (116.60 to 117.60): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.60 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062353.D

Acq: 7 May 2019 13:13

Instrument :

MSVOA_F

ClientSampleId :

SP-1-A

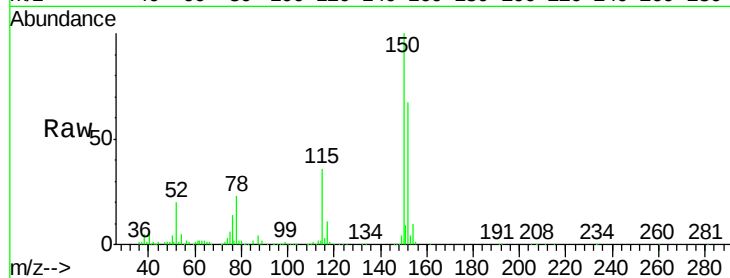
Tot Ion:152 Resp: 191761

Ion Ratio Lower Upper

152 100

115 52.6 26.4 79.2

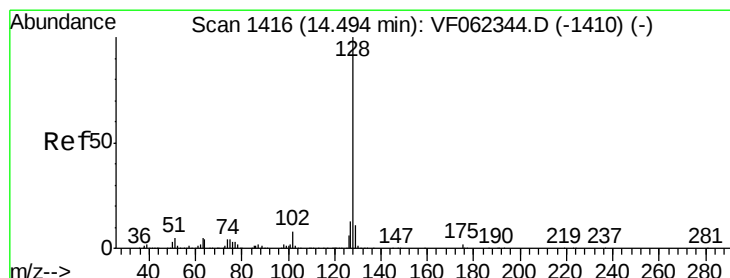
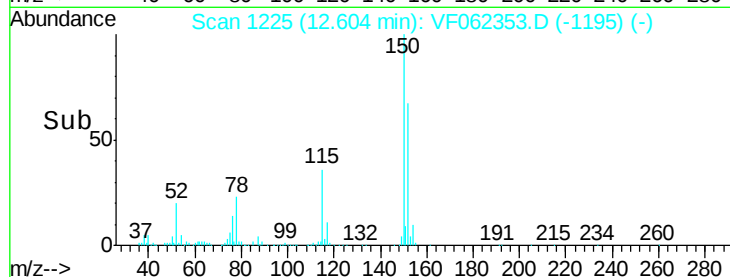
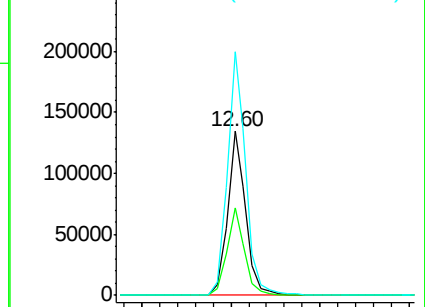
150 151.4 0.0 335.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene

Concen: 2.291 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062353.D

Acq: 7 May 2019 13:13

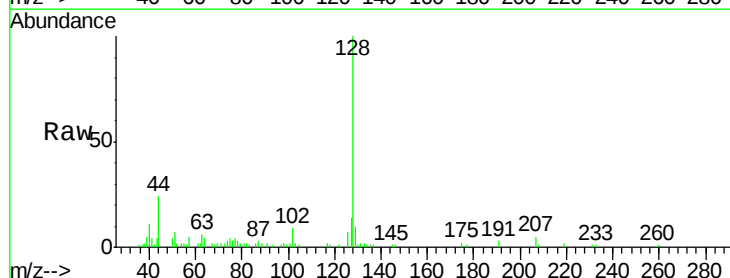
Tgt Ion:128 Resp: 16291

Ion Ratio Lower Upper

128 100

127 14.6 10.5 15.7

129 12.2 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

