

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059559.D
 Acq On : 19 Jul 2018 16:02
 Operator : VA/AP
 Sample : J4016-04
 Misc : 6.41g/5mL/MSVOA F/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB2-L-8

Quant Time: Jul 20 11:39:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

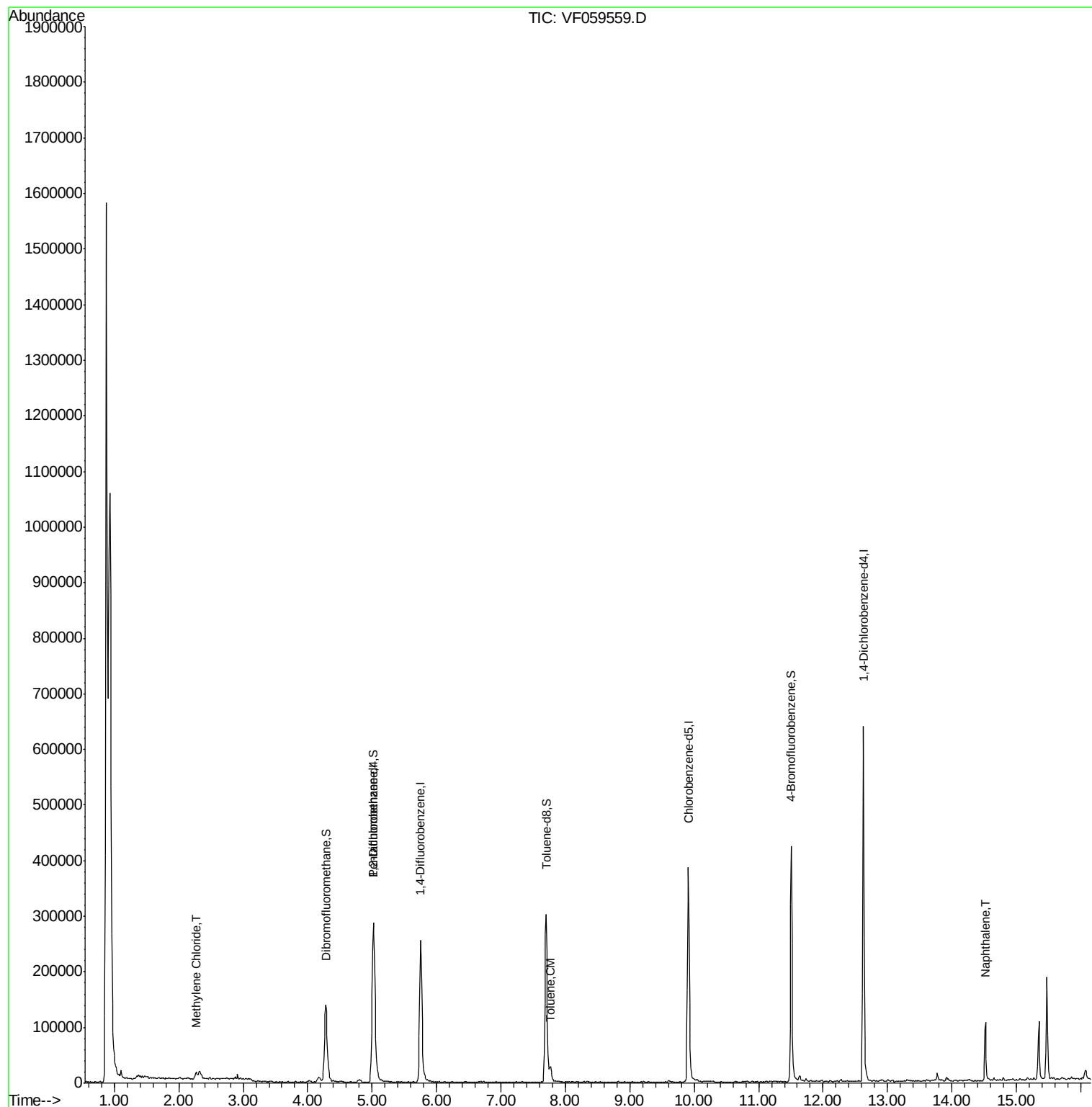
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	173870	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.76	114	256752	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	261365	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.63	152	169182	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	155121	57.36	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	114.72%	
35) Dibromofluoromethane	4.28	113	122659	55.16	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	110.32%	
50) Toluene-d8	7.70	98	241169	43.06	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	86.12%	
62) 4-Bromofluorobenzene	11.51	95	144736	49.26	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	98.52%	
Target Compounds						
20) Methylene Chloride	2.27	84	7111	1.37	ug/l	Qvalue 85
52) Toluene	7.78	92	10811	2.99	ug/l	# 63
95) Naphthalene	14.52	128	78950	12.74	ug/l	98

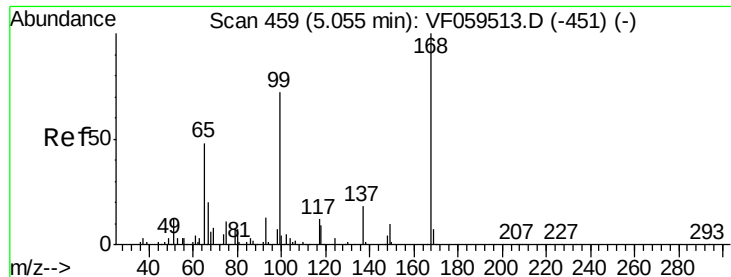
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.03 min

Lab File: VF059559.D

Acq: 19 Jul 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

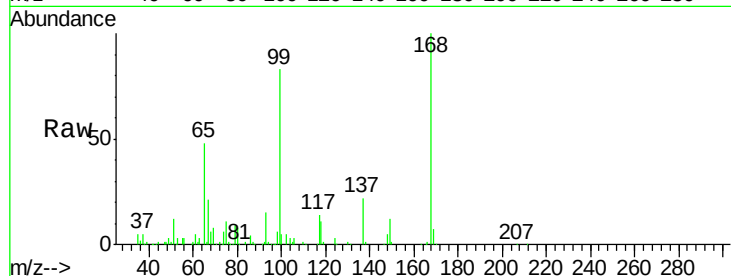
SB2-L-8

Tot Ion:168 Resp: 173870

Ion Ratio Lower Upper

168 100

99 82.8 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

60000

50000

40000

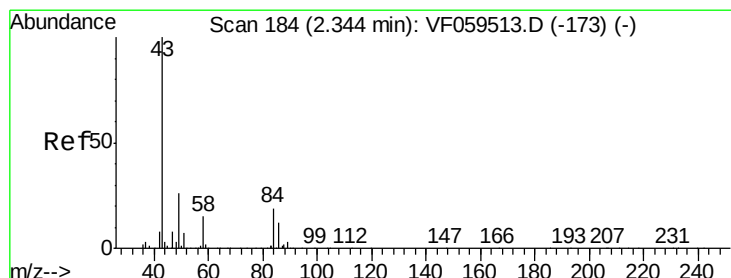
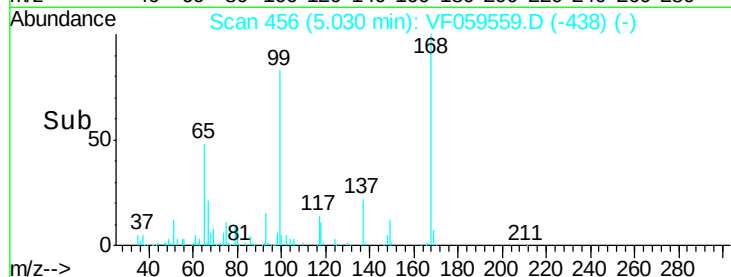
30000

20000

10000

0

Time-->



#20

Methylene Chloride

Concen: 1.37 ug/l

RT: 2.27 min Scan# 176

Delta R.T. -0.07 min

Lab File: VF059559.D

Acq: 19 Jul 2018 16:02

Tgt Ion: 84 Resp: 7111

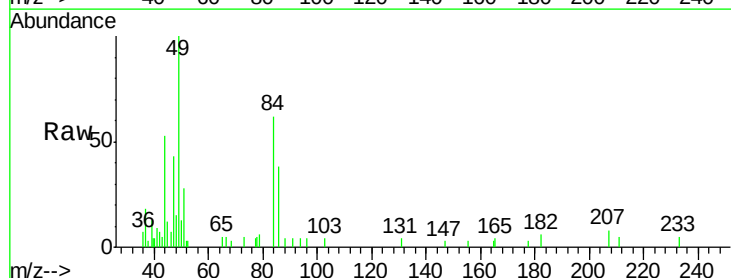
Ion Ratio Lower Upper

84 100

49 161.3 109.4 164.2

51 45.1 30.5 45.7

86 61.8 47.6 71.4



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

5000

4000

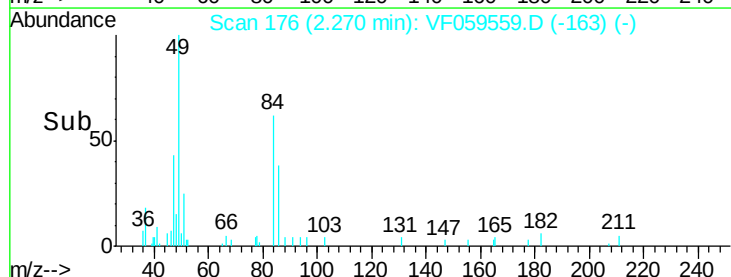
3000

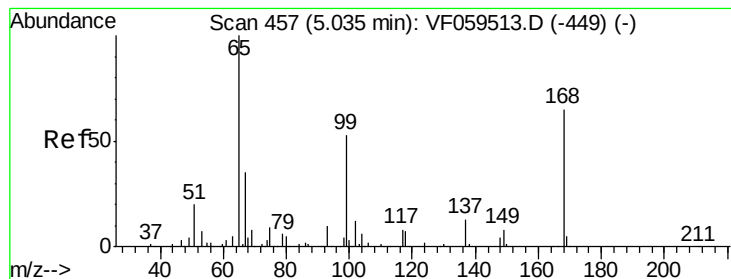
2000

1000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 57.36 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.03 min

Lab File: VF059559.D

Acq: 19 Jul 2018 16:02

Instrument :

MSVOA_F

ClientSampled :

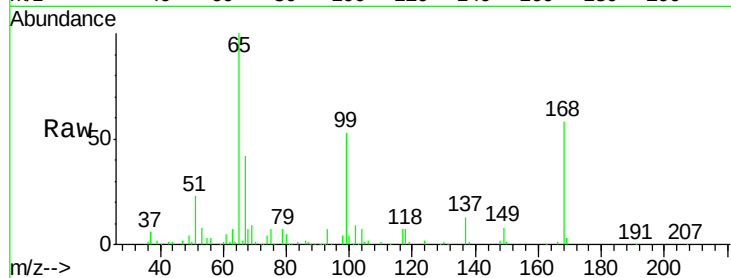
SB2-L-8

Tot Ion: 65 Resp: 155121

Ion Ratio Lower Upper

65 100

67 41.6 0.0 91.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

60000

50000

40000

30000

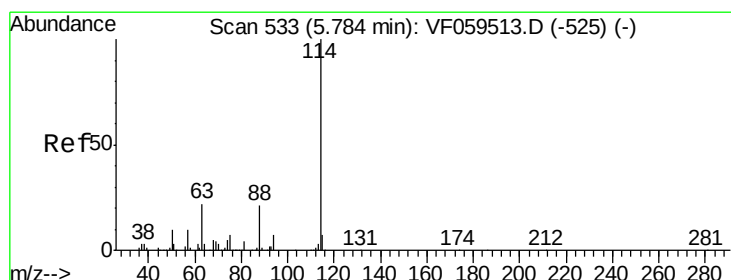
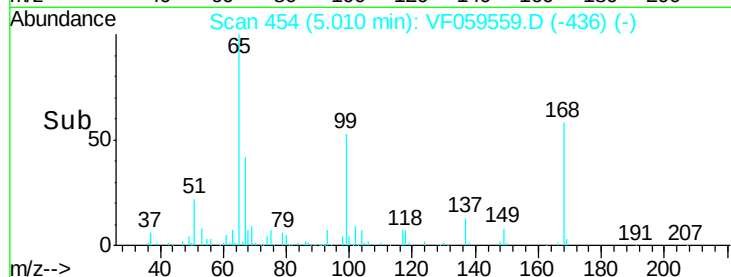
20000

10000

0

Time-->

4.90 5.01 5.10 5.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.03 min

Lab File: VF059559.D

Acq: 19 Jul 2018 16:02

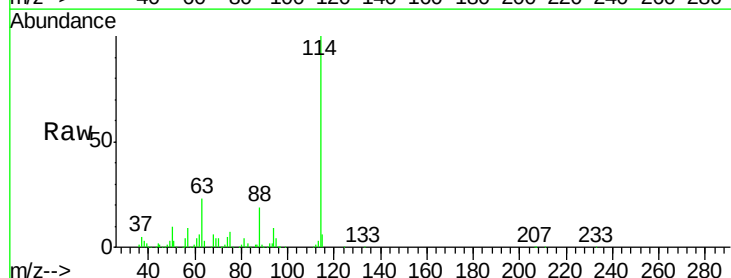
Tgt Ion: 114 Resp: 256752

Ion Ratio Lower Upper

114 100

63 22.9 0.0 44.8

88 19.4 0.0 42.6



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

120000

100000

80000

60000

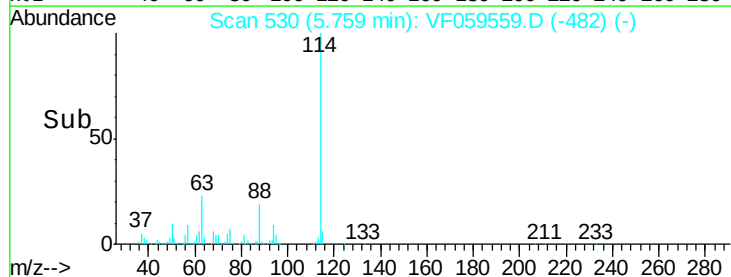
40000

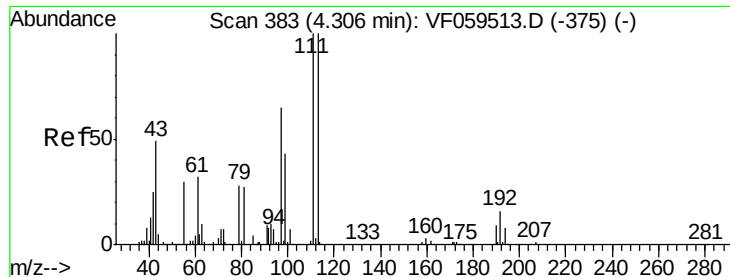
20000

0

Time-->

5.60 5.76 5.80 5.90





#35

Dibromofluoromethane

Concen: 55.16 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.03 min

Lab File: VF059559.D

Acq: 19 Jul 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

SB2-L-8

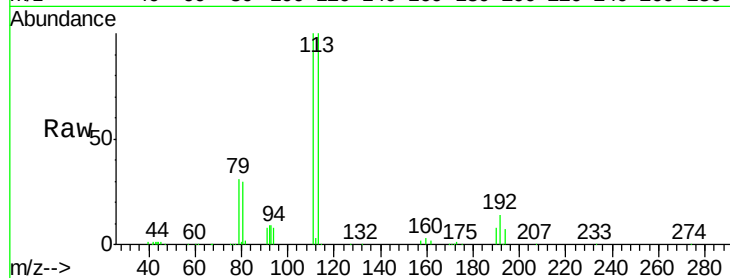
Tot Ion:113 Resp: 122659

Ion Ratio Lower Upper

113 100

111 100.1 80.3 120.5

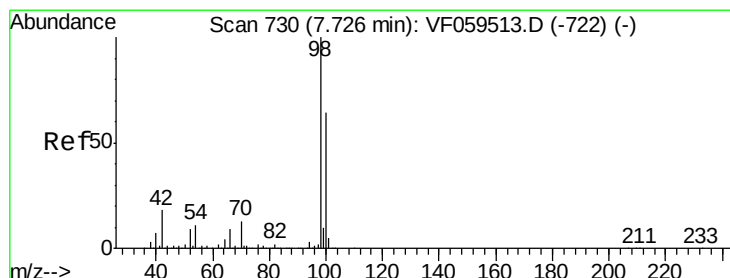
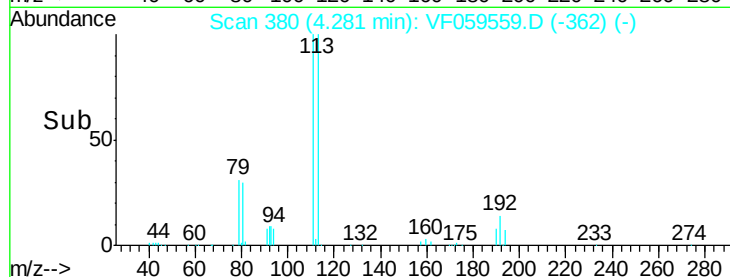
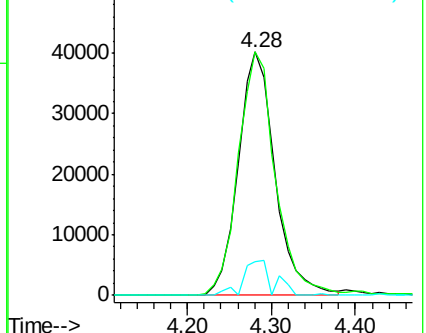
192 14.0 13.1 19.7



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: 43.06 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.03 min

Lab File: VF059559.D

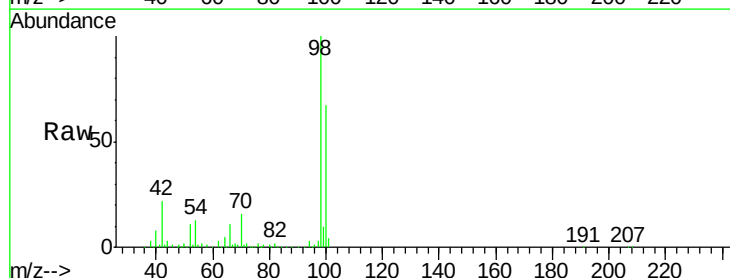
Acq: 19 Jul 2018 16:02

Tgt Ion: 98 Resp: 241169

Ion Ratio Lower Upper

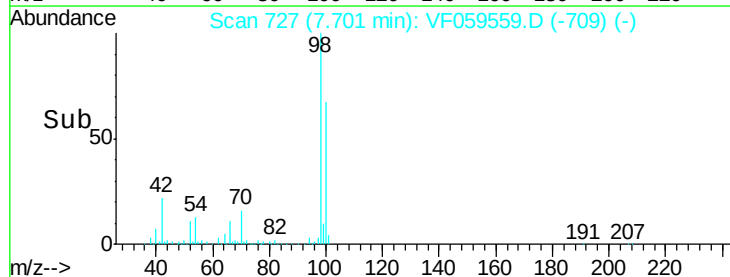
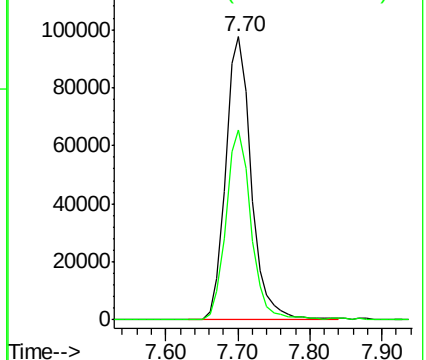
98 100

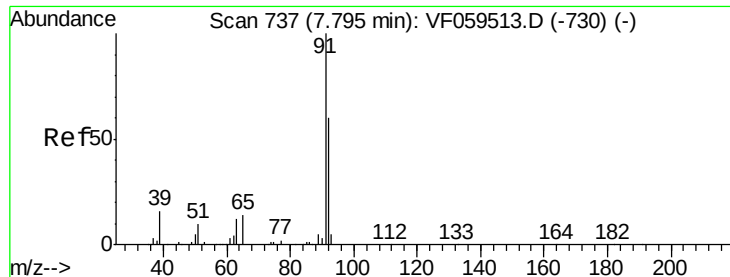
100 67.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#52

Toluene

Concen: 2.99 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF059559.D

Acq: 19 Jul 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

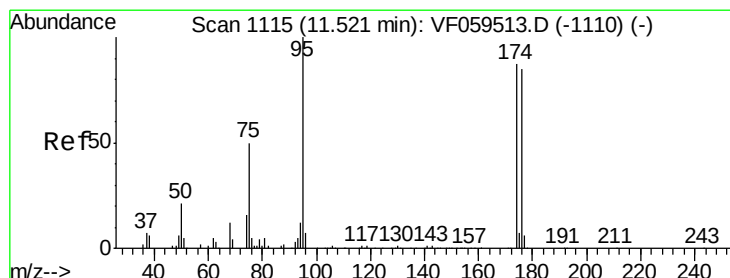
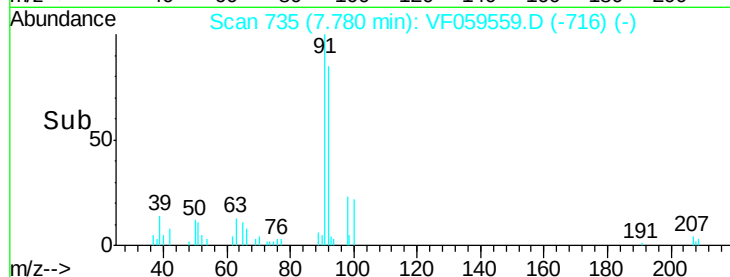
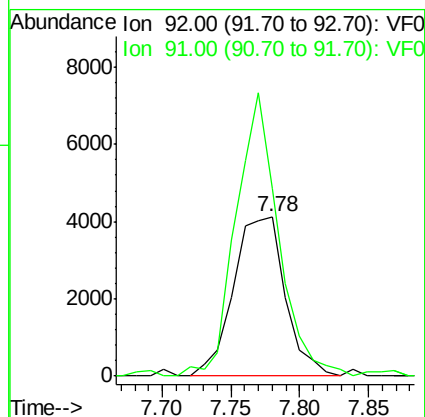
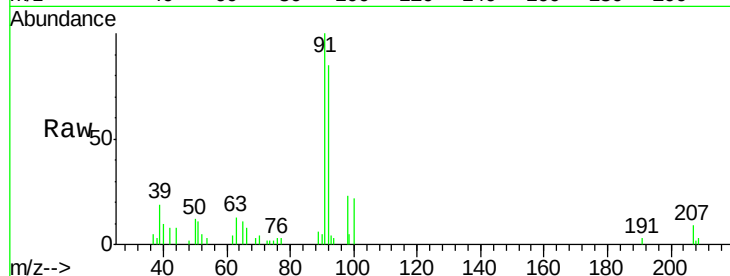
SB2-L-8

Tot Ion: 92 Resp: 10811

Ion Ratio Lower Upper

92 100

91 117.6 134.2 201.4#



#62

4-Bromofluorobenzene

Concen: 49.26 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VF059559.D

Acq: 19 Jul 2018 16:02

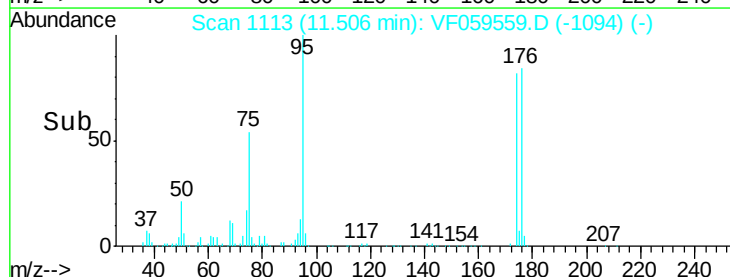
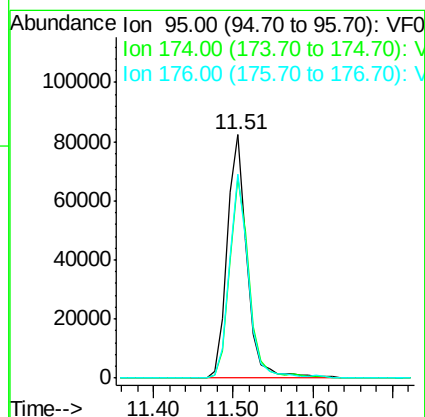
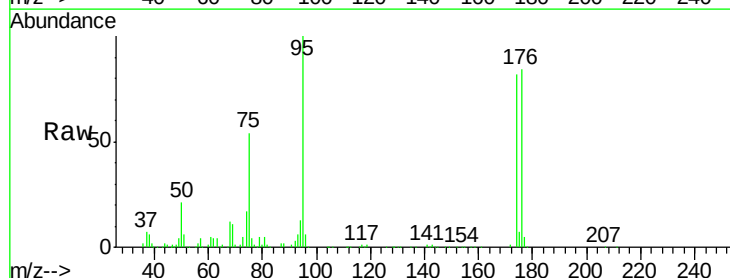
Tgt Ion: 95 Resp: 144736

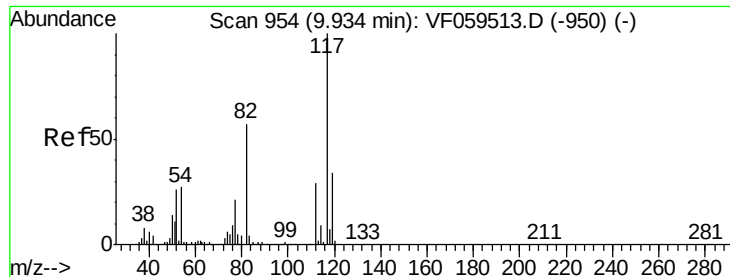
Ion Ratio Lower Upper

95 100

174 82.4 0.0 174.4

176 83.8 0.0 169.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.03 min

Lab File: VF059559.D

Acq: 19 Jul 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

SB2-L-8

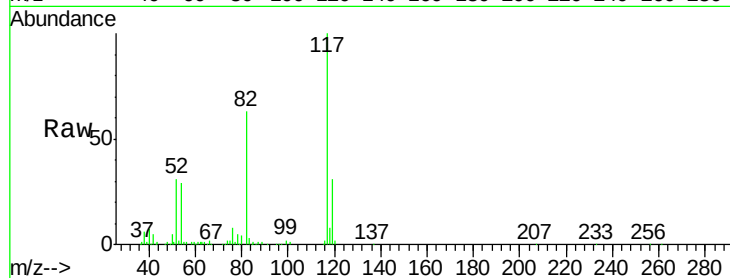
Tot Ion:117 Resp: 261365

Ion Ratio Lower Upper

117 100

82 62.5 46.1 69.1

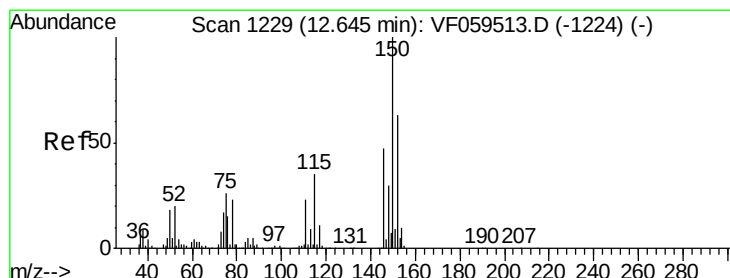
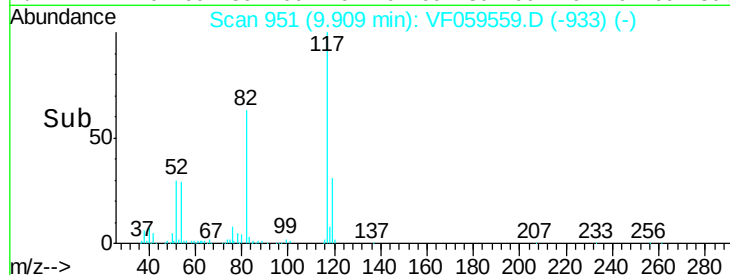
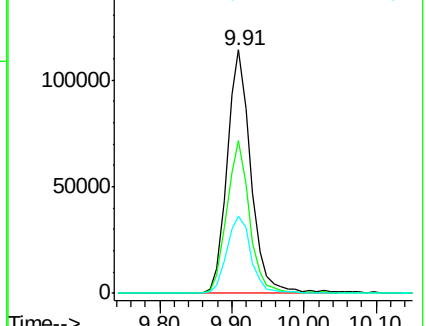
119 31.5 27.2 40.8



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: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.02 min

Lab File: VF059559.D

Acq: 19 Jul 2018 16:02

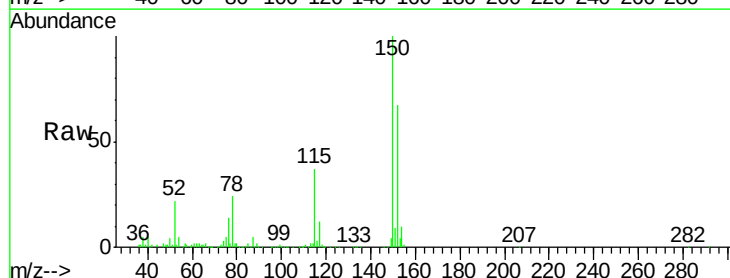
Tgt Ion:152 Resp: 169182

Ion Ratio Lower Upper

152 100

115 55.2 27.8 83.3

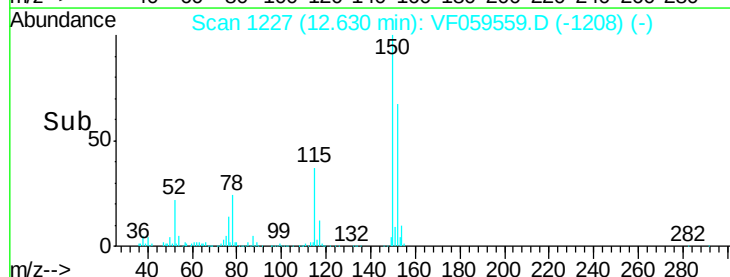
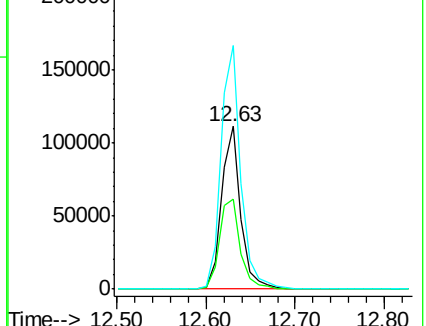
150 150.0 0.0 318.4

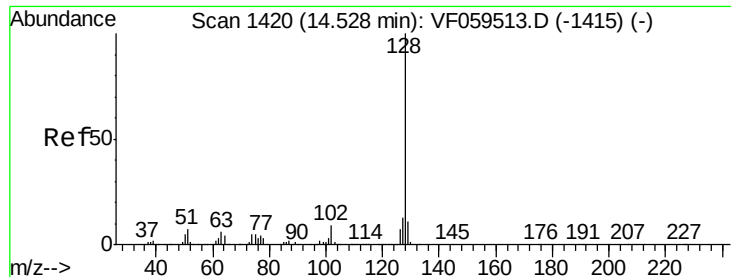


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

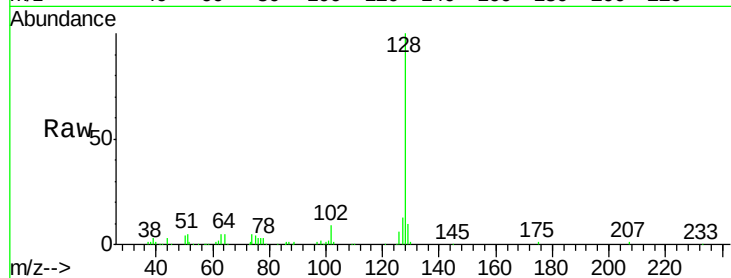




#95
 Naphthalene
 Concen: 12.74 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: VF059559.D
 Acq: 19 Jul 2018 16:02

Instrument :
 MSVOA_F
 ClientSampleId :
 SB2-L-8

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.0	9.0	13.4



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

