

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060012.D
 Acq On : 20 Aug 2018 19:52
 Operator : VA/AP
 Sample : J4499-06
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LSB-06(0-1)

Quant Time: Aug 21 05:39:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	135425	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	202650	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	195612	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	122270	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	133984	51.25	ug/l	0.00
Spiked Amount						
			Recovery	=	102.50%	
35) Dibromofluoromethane	4.30	113	120536	58.20	ug/l	-0.01
Spiked Amount						
			Recovery	=	116.40%	
50) Toluene-d8	7.72	98	203830	44.26	ug/l	0.00
Spiked Amount						
			Recovery	=	88.52%	
62) 4-Bromofluorobenzene	11.51	95	116630	41.26	ug/l	-0.01
Spiked Amount						
			Recovery	=	82.52%	

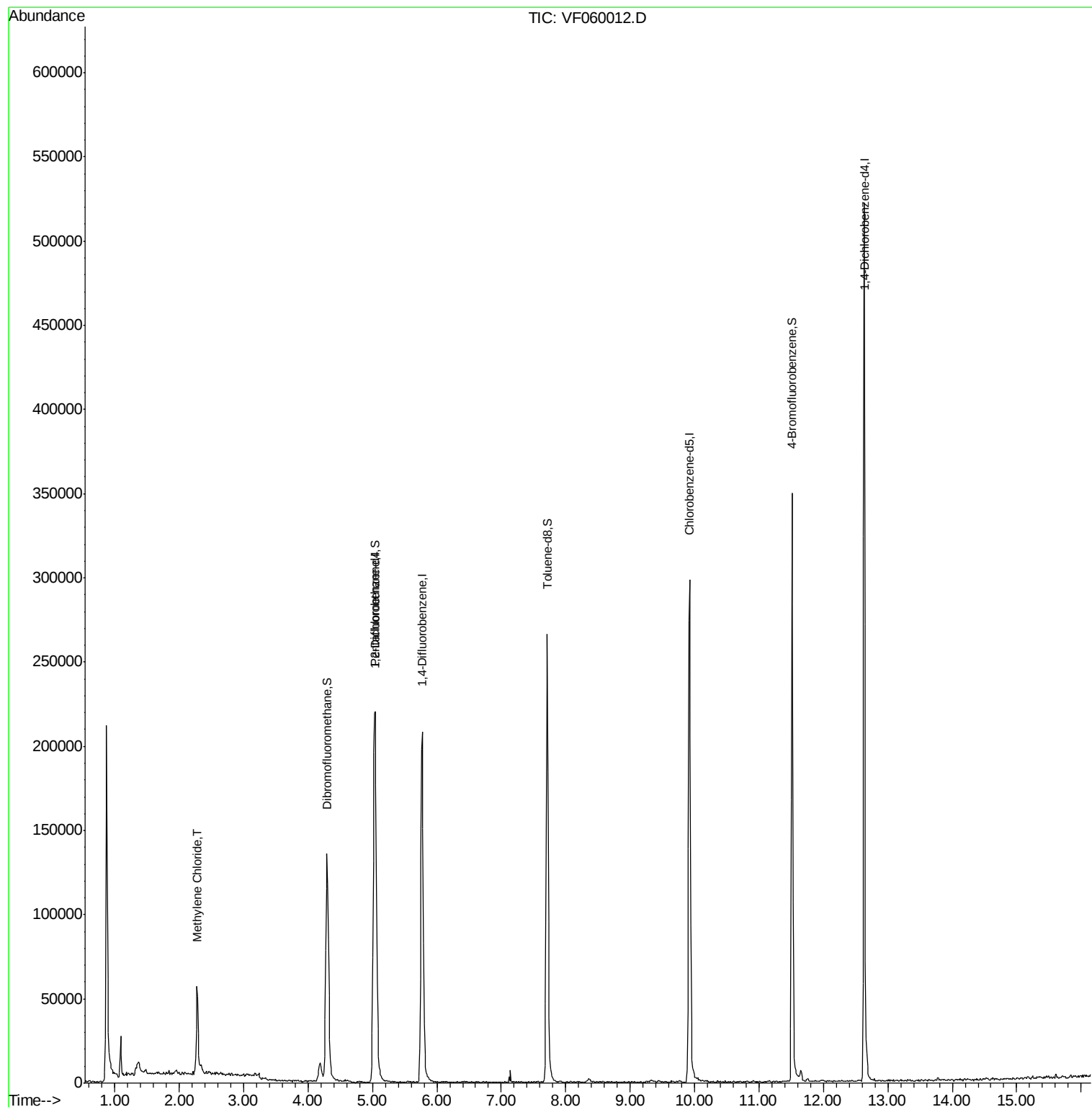
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	2.27	84	22202	12.24	ug/l	92

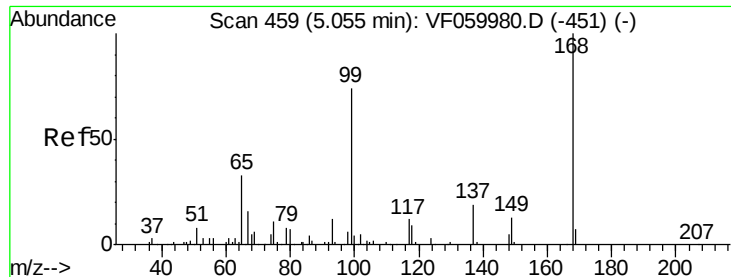
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:11:02 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF060012.D

Acq: 20 Aug 2018 19:52

Instrument :

MSVOA_F

ClientSampleId :

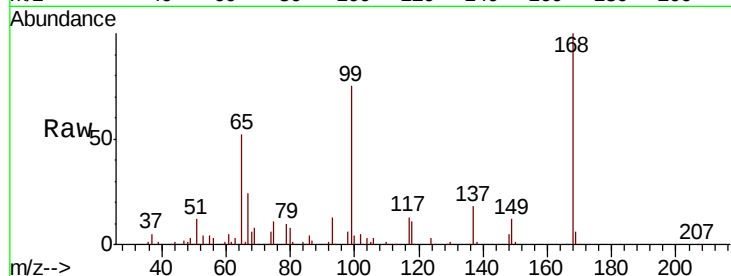
LSB-06(0-1)

Tot Ion:168 Resp: 135425

Ion Ratio Lower Upper

168 100

99 75.4 59.0 88.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

40000

30000

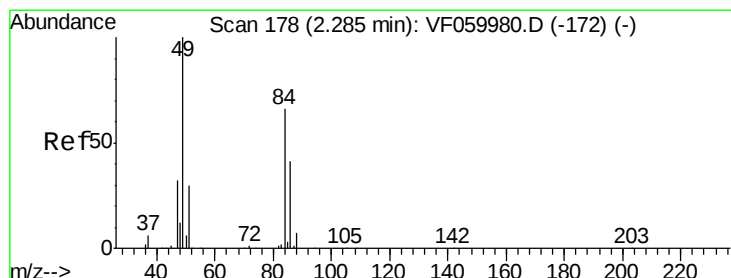
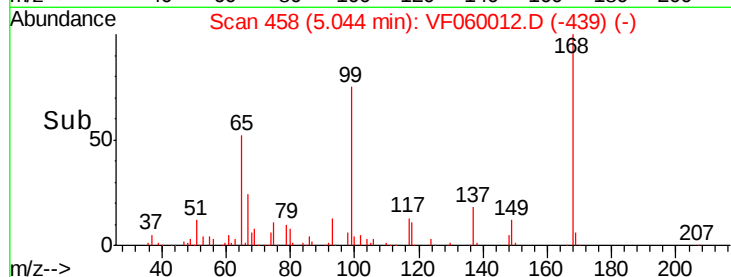
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#20

Methylene Chloride

Concen: 12.24 ug/l

RT: 2.27 min Scan# 177

Delta R.T. -0.01 min

Lab File: VF060012.D

Acq: 20 Aug 2018 19:52

Tgt Ion: 84 Resp: 22202

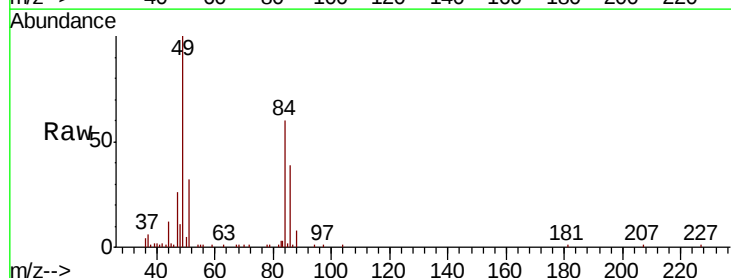
Ion Ratio Lower Upper

84 100

49 165.5 122.5 183.7

51 53.7 37.1 55.7

86 64.4 50.2 75.2



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

25000

20000

15000

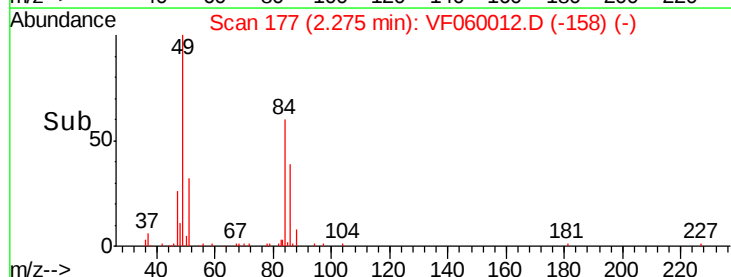
10000

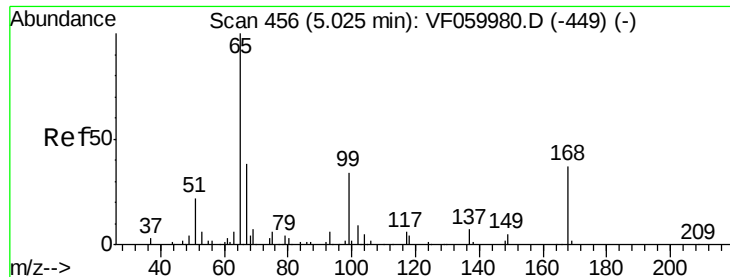
5000

0

2.20 2.30 2.40

Time-->

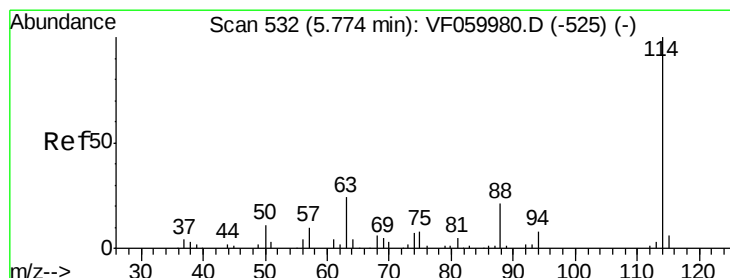
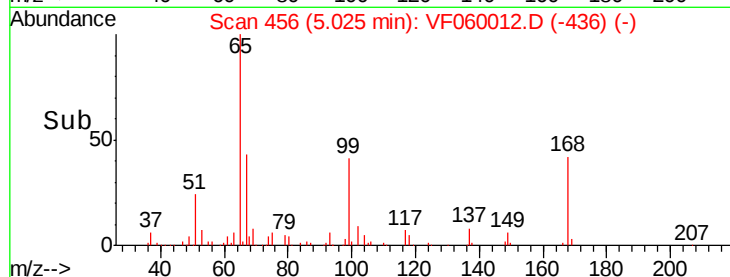
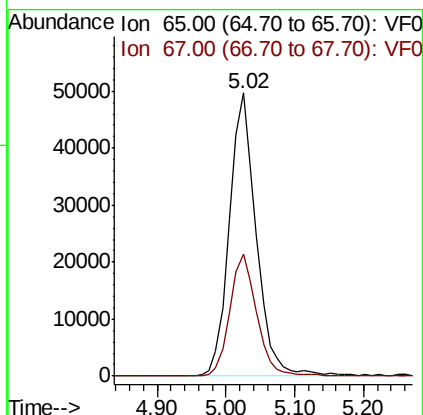
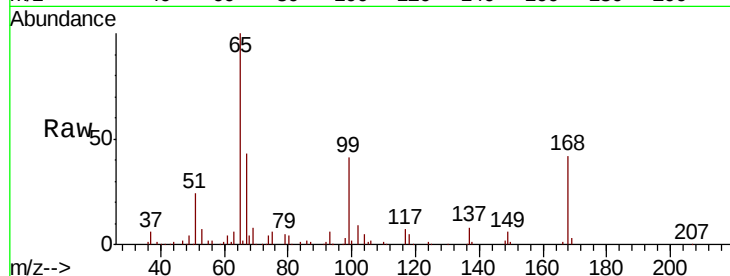




#33
 1,2-Dichloroethane-d4
 Concen: 51.25 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: VF060012.D
 Acq: 20 Aug 2018 19:52

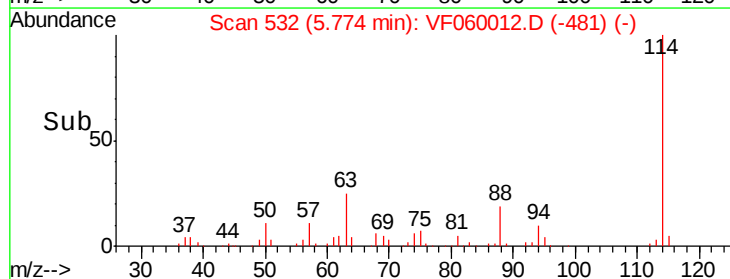
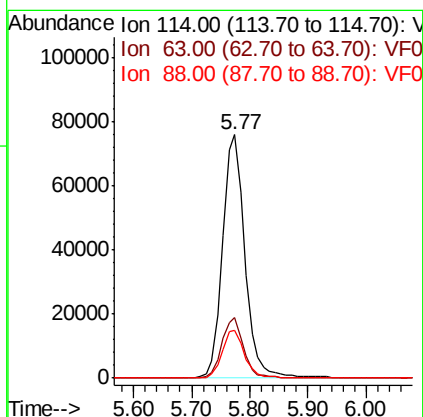
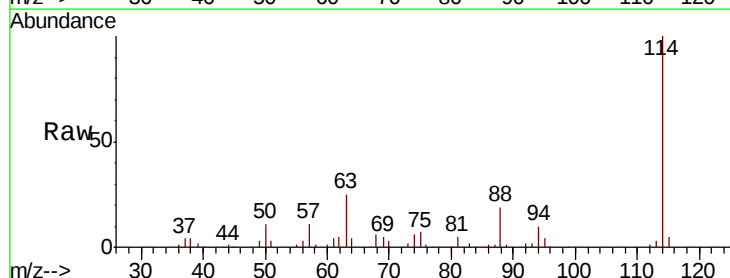
Instrument :
 MSVOA_F
 ClientSampled :
 LSB-06(0-1)

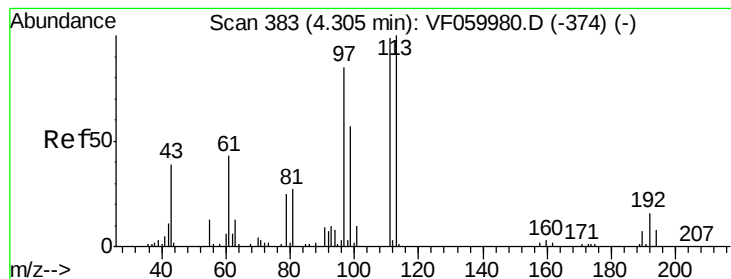
Tot Ion: 65 Resp: 133984
 Ion Ratio Lower Upper
 65 100
 67 43.2 0.0 82.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VF060012.D
 Acq: 20 Aug 2018 19:52

Tgt Ion: 114 Resp: 202650
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 48.6
 88 19.4 0.0 42.8





#35

Dibromofluoromethane

Concen: 58.20 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF060012.D

Acq: 20 Aug 2018 19:52

Instrument :

MSVOA_F

ClientSampleId :

LSB-06(0-1)

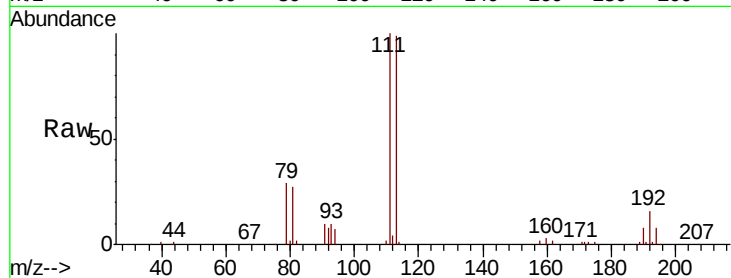
Tot Ion:113 Resp: 120536

Ion Ratio Lower Upper

113 100

111 100.7 79.5 119.3

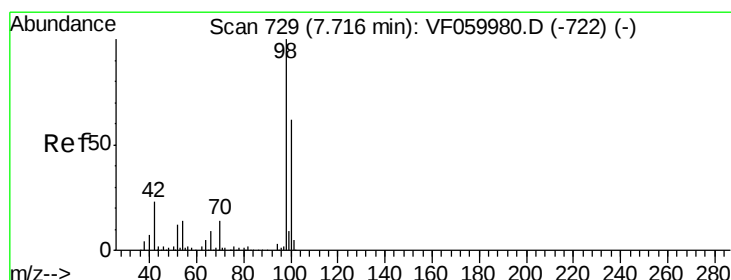
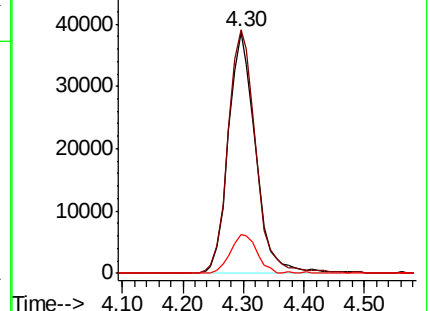
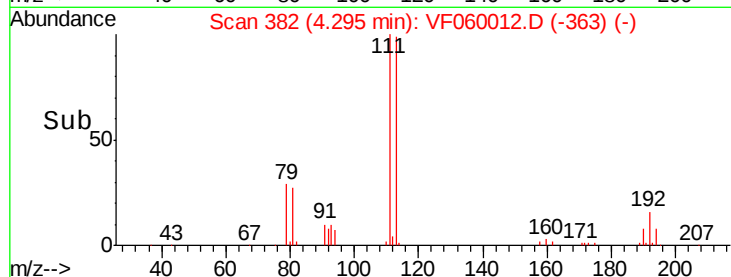
192 15.9 12.4 18.6



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: 44.26 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.00 min

Lab File: VF060012.D

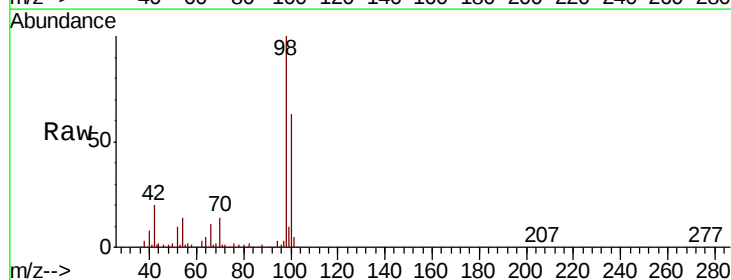
Acq: 20 Aug 2018 19:52

Tgt Ion: 98 Resp: 203830

Ion Ratio Lower Upper

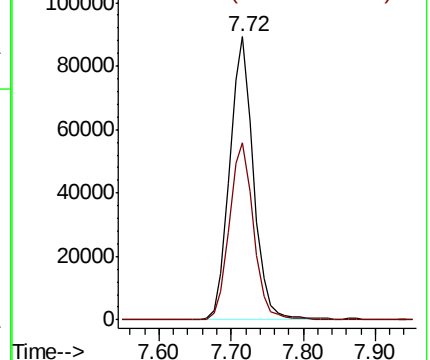
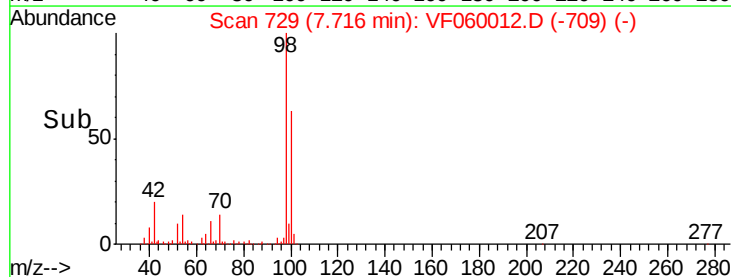
98 100

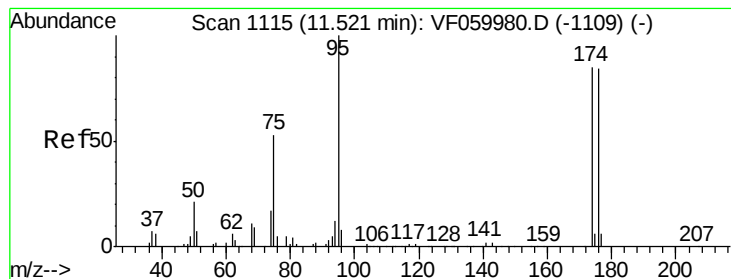
100 62.5 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 41.26 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF060012.D

Acq: 20 Aug 2018 19:52

Instrument :

MSVOA_F

ClientSampleId :

LSB-06(0-1)

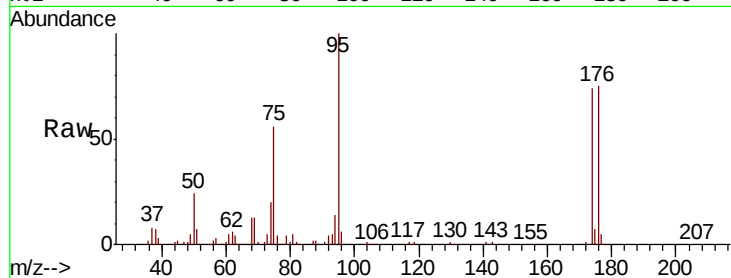
Tot Ion: 95 Resp: 116630

Ion Ratio Lower Upper

95 100

174 73.9 0.0 169.8

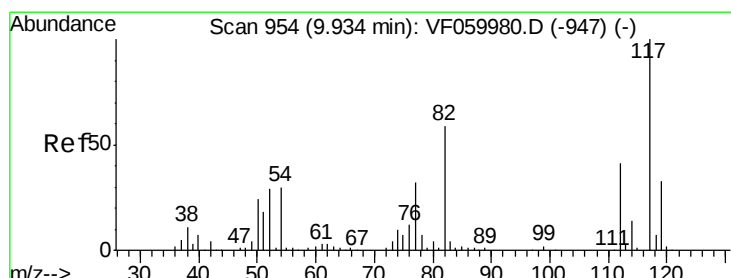
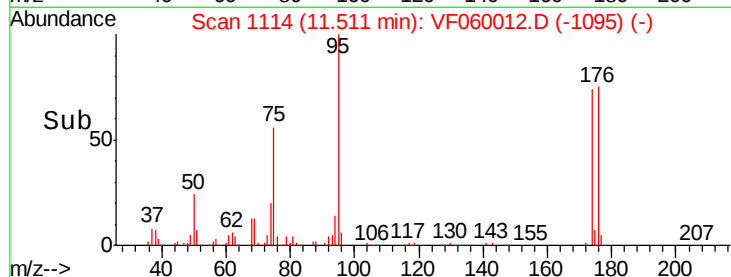
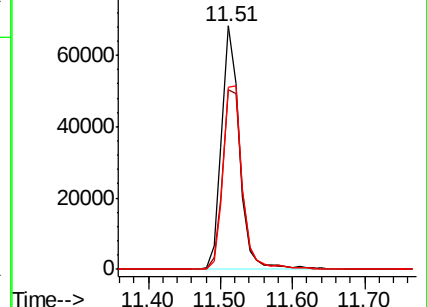
176 75.1 0.0 167.8



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: 50.00 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF060012.D

Acq: 20 Aug 2018 19:52

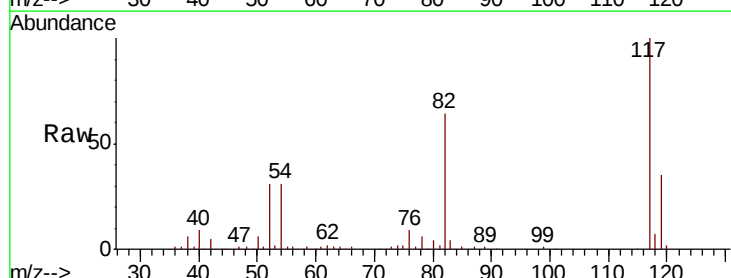
Tgt Ion: 117 Resp: 195612

Ion Ratio Lower Upper

117 100

82 64.3 47.2 70.8

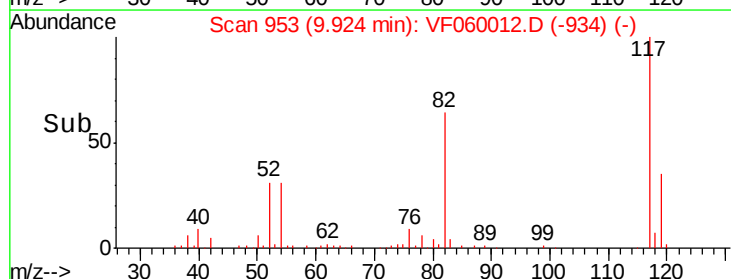
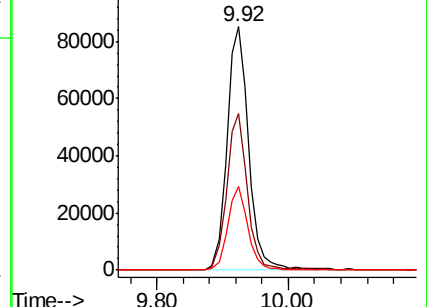
119 34.6 26.1 39.1

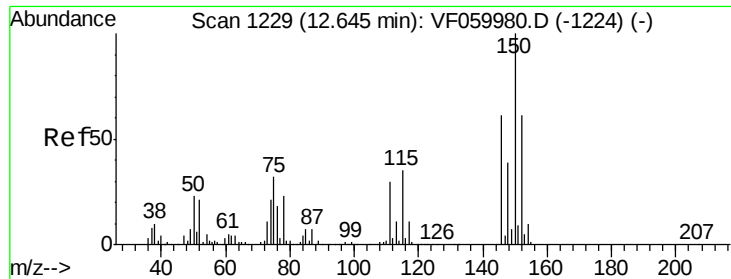


Abundance Ion 117.00 (116.70 to 117.70): V

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# 1228

Delta R.T. -0.01 min

Lab File: VF060012.D

Acq: 20 Aug 2018 19:52

Instrument :

MSVOA_F

ClientSampleId :

LSB-06(0-1)

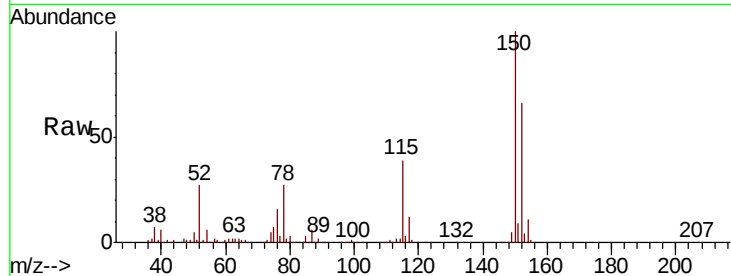
Tot Ion:152 Resp: 122270

Ion Ratio Lower Upper

152 100

115 58.5 29.1 87.3

150 151.2 0.0 330.2



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

