

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060015.D
 Acq On : 20 Aug 2018 21:15
 Operator : VA/AP
 Sample : J4523-02
 Misc : 5.65g/5mL/MSVOA F/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WC-2

Quant Time: Aug 21 05:45:02 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

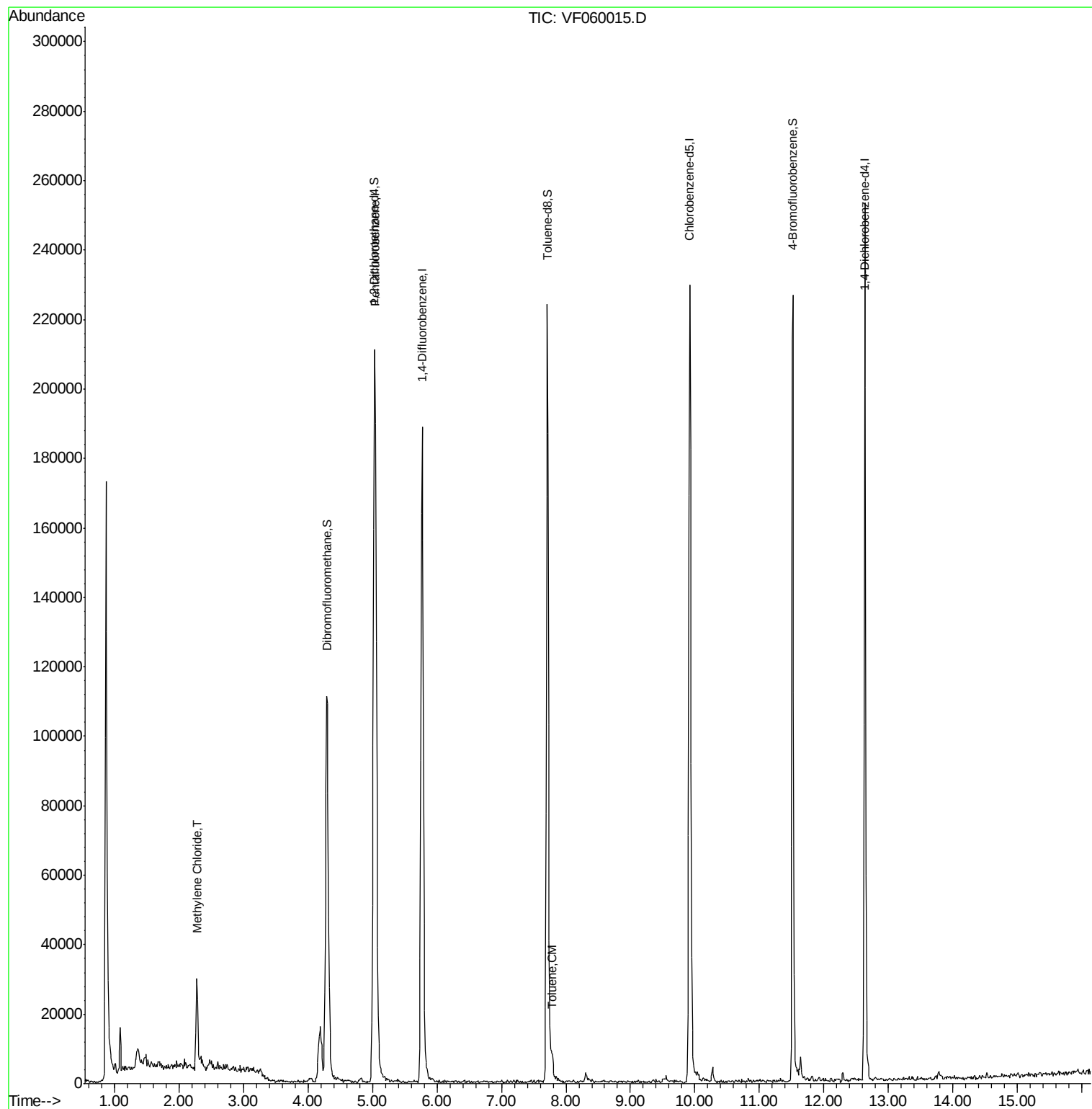
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	123831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	168057	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	140635	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	59978	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	123039	51.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.94%	
35) Dibromofluoromethane	4.29	113	97107	56.54	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	113.08%	
50) Toluene-d8	7.71	98	162514	42.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.10%	
62) 4-Bromofluorobenzene	11.51	95	78172	33.35	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	66.70%	
Target Compounds						
20) Methylene Chloride	2.28	84	10641	4.32	ug/l	93
52) Toluene	7.79	92	2790	1.15	ug/l	83

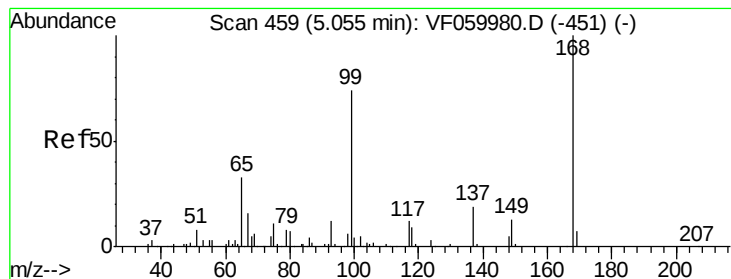
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF060015.D

Acq: 20 Aug 2018 21:15

Instrument :

MSVOA_F

ClientSampleId :

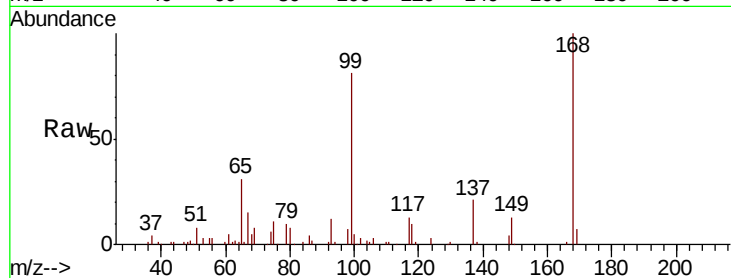
WC-2

Tot Ion:168 Resp: 123831

Ion Ratio Lower Upper

168 100

99 81.4 59.0 88.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

40000

30000

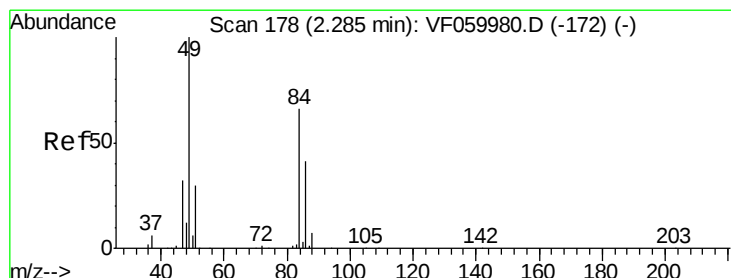
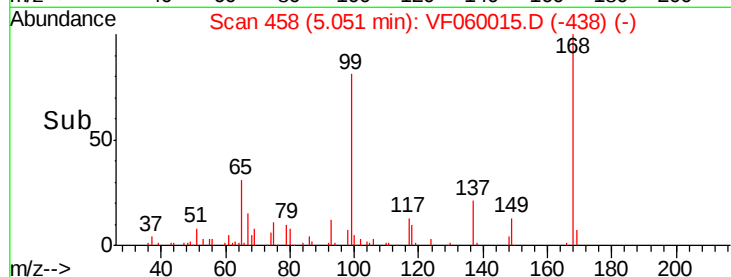
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 4.32 ug/l

RT: 2.28 min Scan# 177

Delta R.T. -0.00 min

Lab File: VF060015.D

Acq: 20 Aug 2018 21:15

Tgt Ion: 84 Resp: 10641

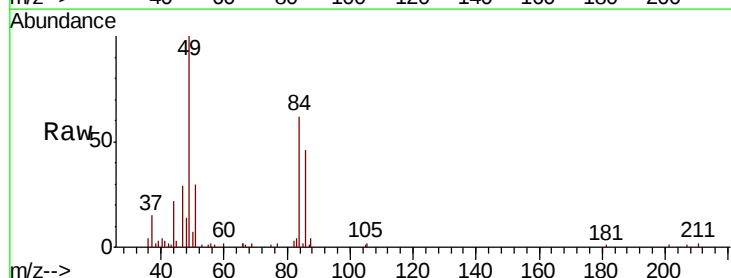
Ion Ratio Lower Upper

84 100

49 160.8 122.5 183.7

51 47.6 37.1 55.7

86 74.4 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

12000

10000

8000

6000

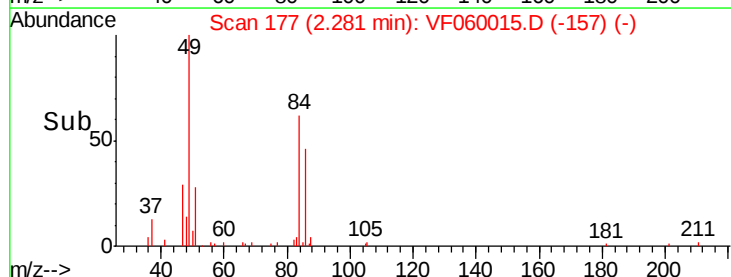
4000

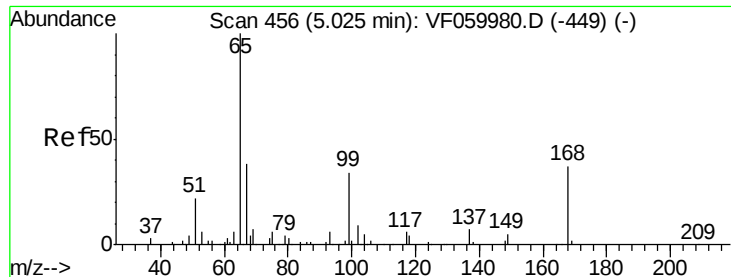
2000

0

Time-->

2.20 2.30 2.40

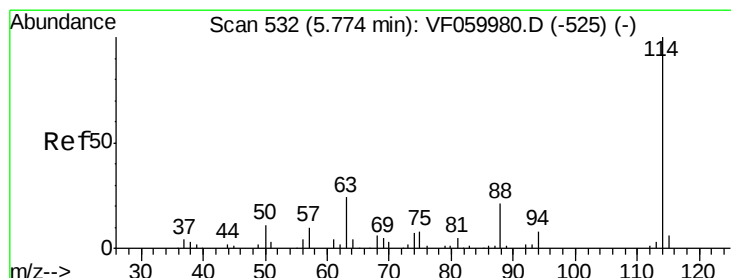
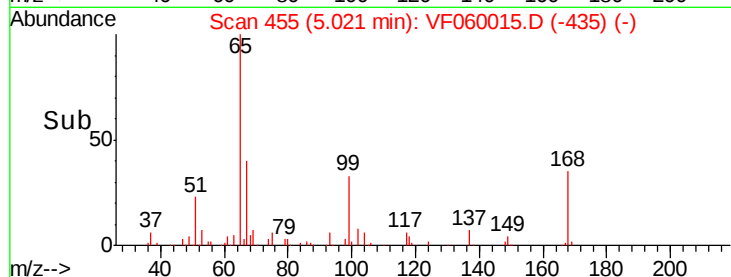
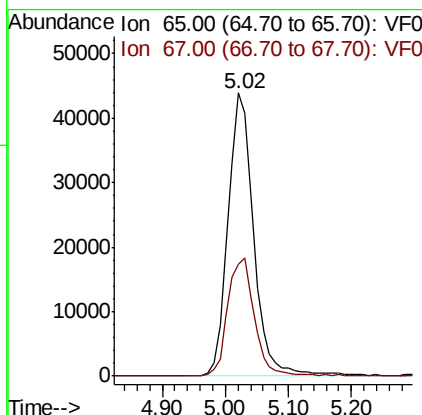
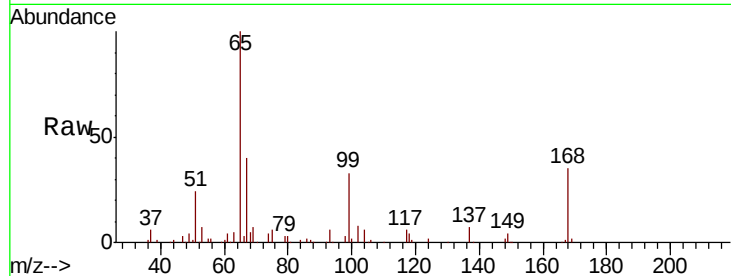




#33
 1,2-Dichloroethane-d4
 Concen: 51.47 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF060015.D
 Acq: 20 Aug 2018 21:15

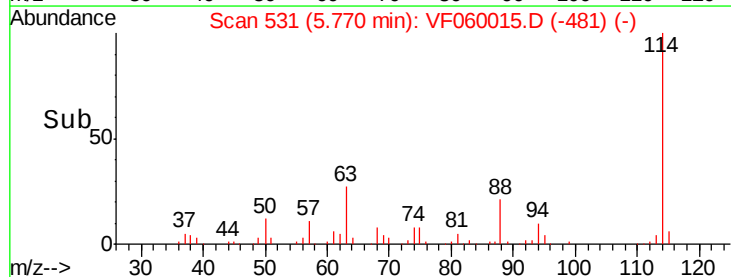
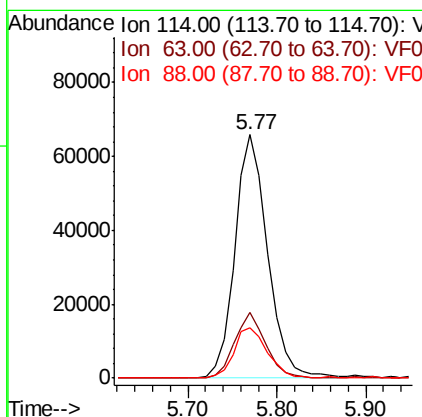
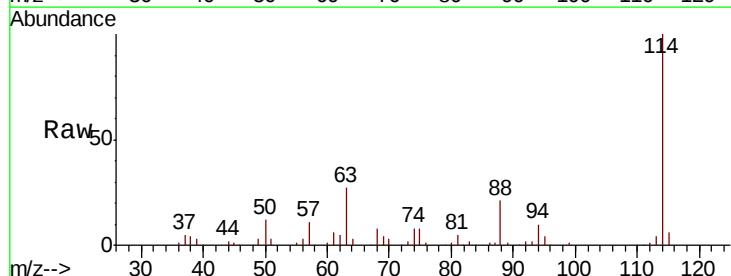
Instrument :
 MSVOA_F
 ClientSampled :
 WC-2

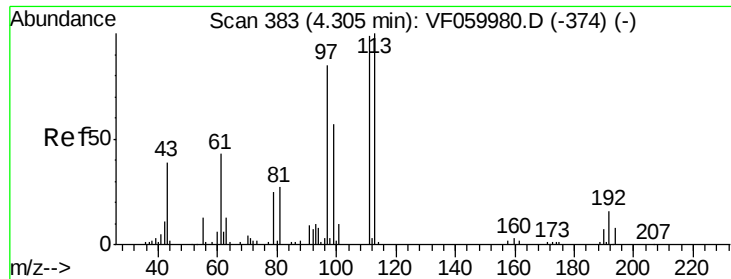
Tot Ion: 65 Resp: 123039
 Ion Ratio Lower Upper
 65 100
 67 39.6 0.0 82.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF060015.D
 Acq: 20 Aug 2018 21:15

Tgt Ion: 114 Resp: 168057
 Ion Ratio Lower Upper
 114 100
 63 27.2 0.0 48.6
 88 20.6 0.0 42.8





#35

Dibromofluoromethane

Concen: 56.54 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF060015.D

Acq: 20 Aug 2018 21:15

Instrument :

MSVOA_F

ClientSampleId :

WC-2

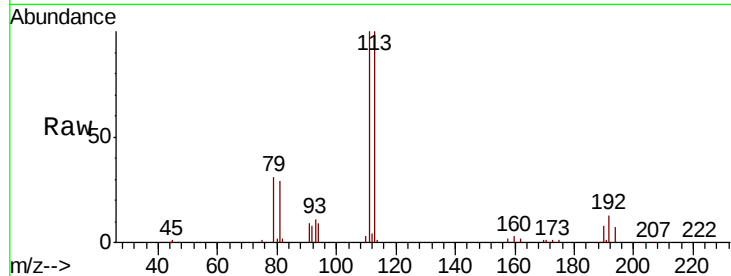
Tot Ion:113 Resp: 97107

Ion Ratio Lower Upper

113 100

111 99.7 79.5 119.3

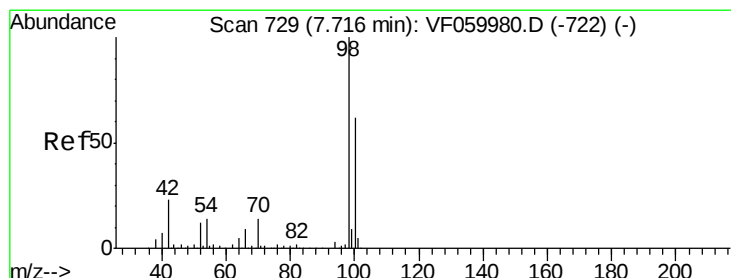
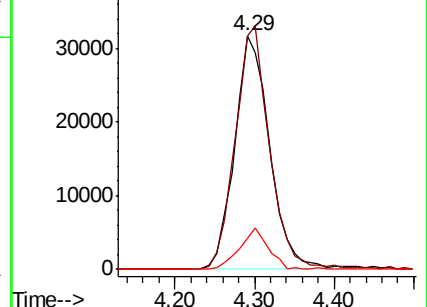
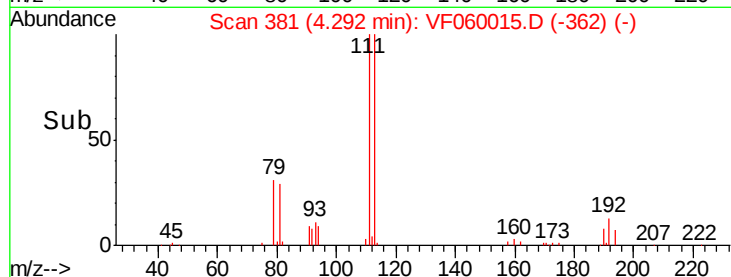
192 13.5 12.4 18.6



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: 42.55 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.00 min

Lab File: VF060015.D

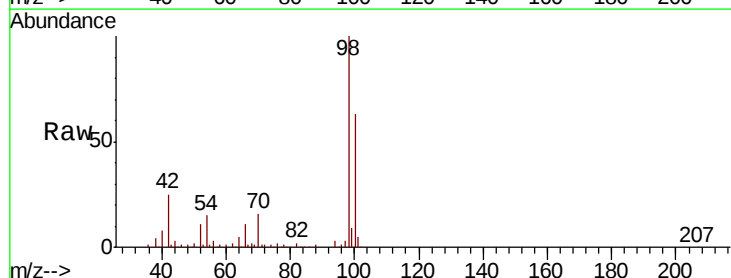
Acq: 20 Aug 2018 21:15

Tgt Ion: 98 Resp: 162514

Ion Ratio Lower Upper

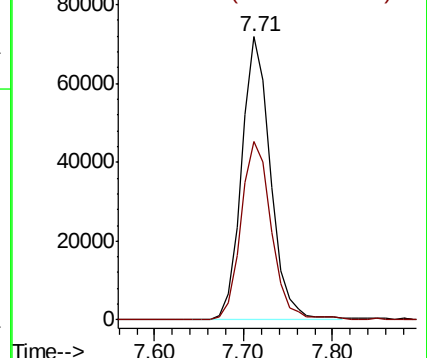
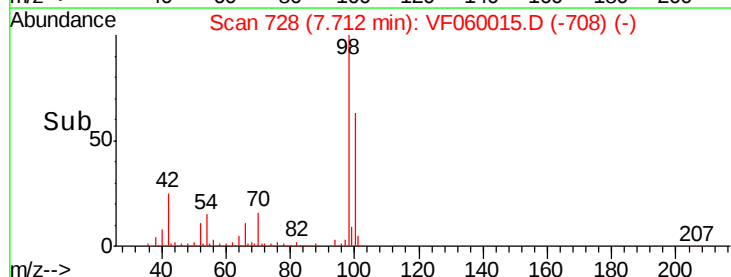
98 100

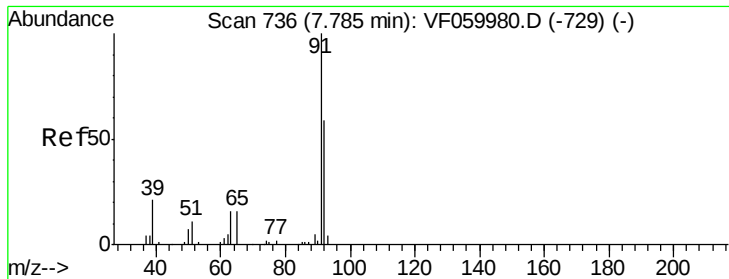
100 63.0 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#52

Toluene

Concen: 1.15 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF060015.D

Acq: 20 Aug 2018 21:15

Instrument :

MSVOA_F

ClientSampled :

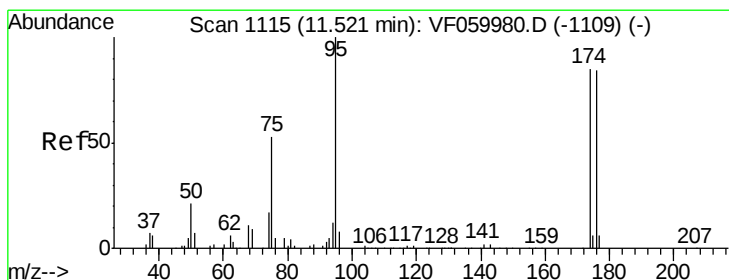
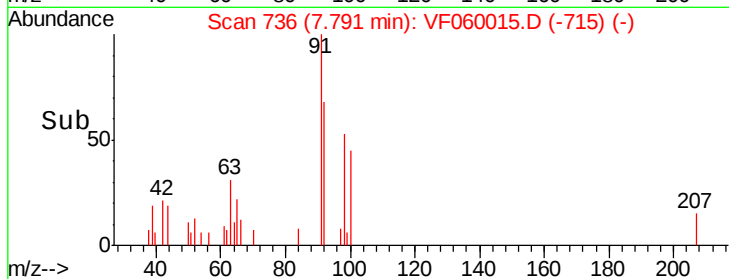
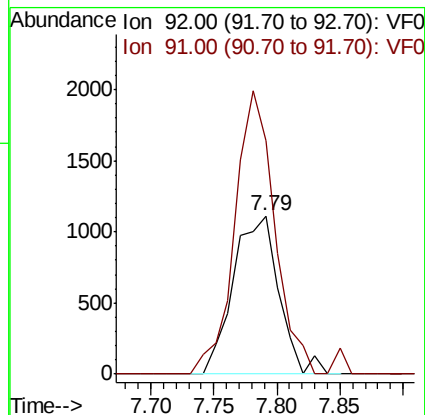
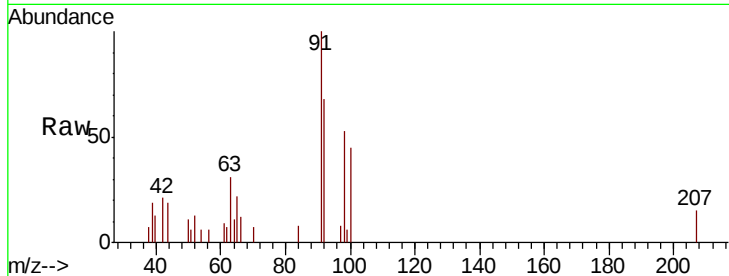
WC-2

Tot Ion: 92 Resp: 2790

Ion Ratio Lower Upper

92 100

91 147.1 136.5 204.7



#62

4-Bromofluorobenzene

Concen: 33.35 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060015.D

Acq: 20 Aug 2018 21:15

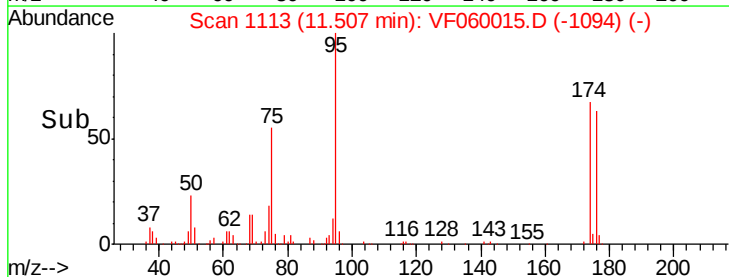
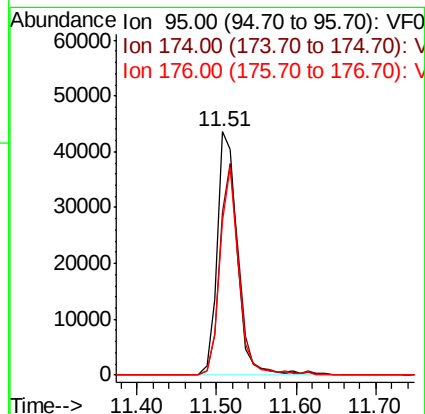
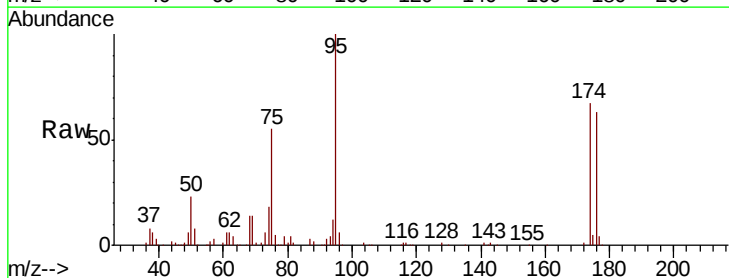
Tgt Ion: 95 Resp: 78172

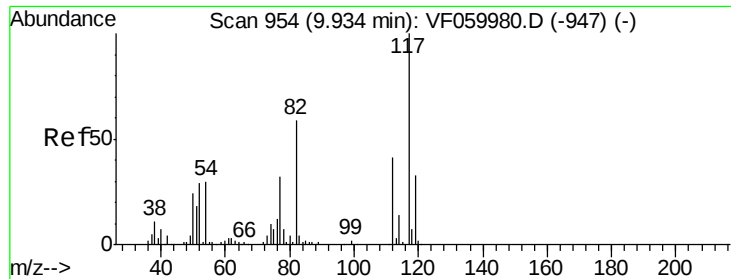
Ion Ratio Lower Upper

95 100

174 67.0 0.0 169.8

176 63.1 0.0 167.8

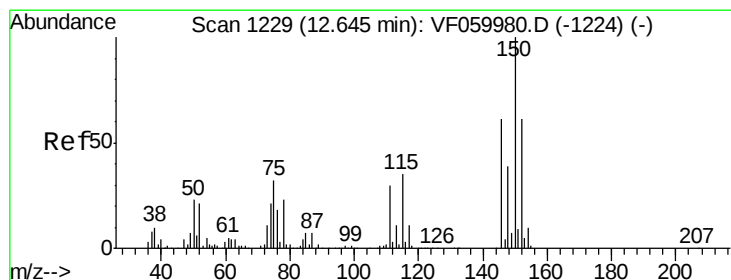
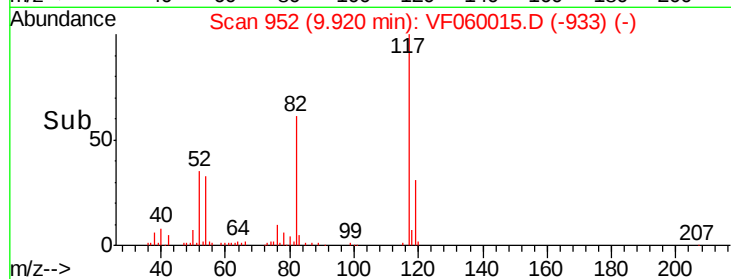
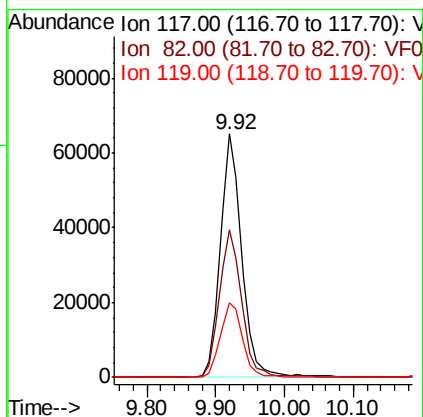
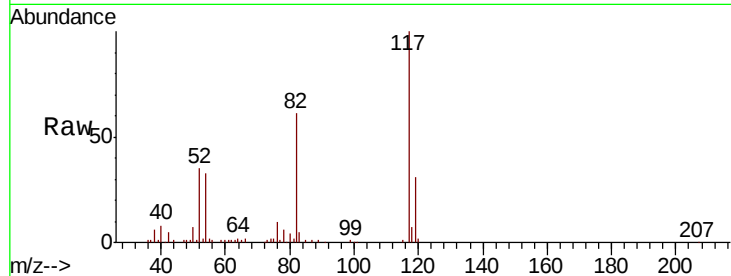




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060015.D
Acq: 20 Aug 2018 21:15

Instrument :
MSVOA_F
ClientSampled :
WC-2

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	47.2	70.8
119	30.7	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF060015.D
Acq: 20 Aug 2018 21:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.6	29.1	87.3
150	149.5	0.0	330.2

