

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060018.D
 Acq On : 20 Aug 2018 22:38
 Operator : VA/AP
 Sample : J4509-01
 Misc : 6.85g/5mL/MSVOA F/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TOD1-FP-6-0-2

Quant Time: Aug 21 05:54:01 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	121535	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	166621	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	172859	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	95638	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	122012	52.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.02%	
35) Dibromofluoromethane	4.29	113	91586	53.78	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	107.56%	
50) Toluene-d8	7.71	98	177006	46.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.48%	
62) 4-Bromofluorobenzene	11.51	95	99845	42.96	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	85.92%	

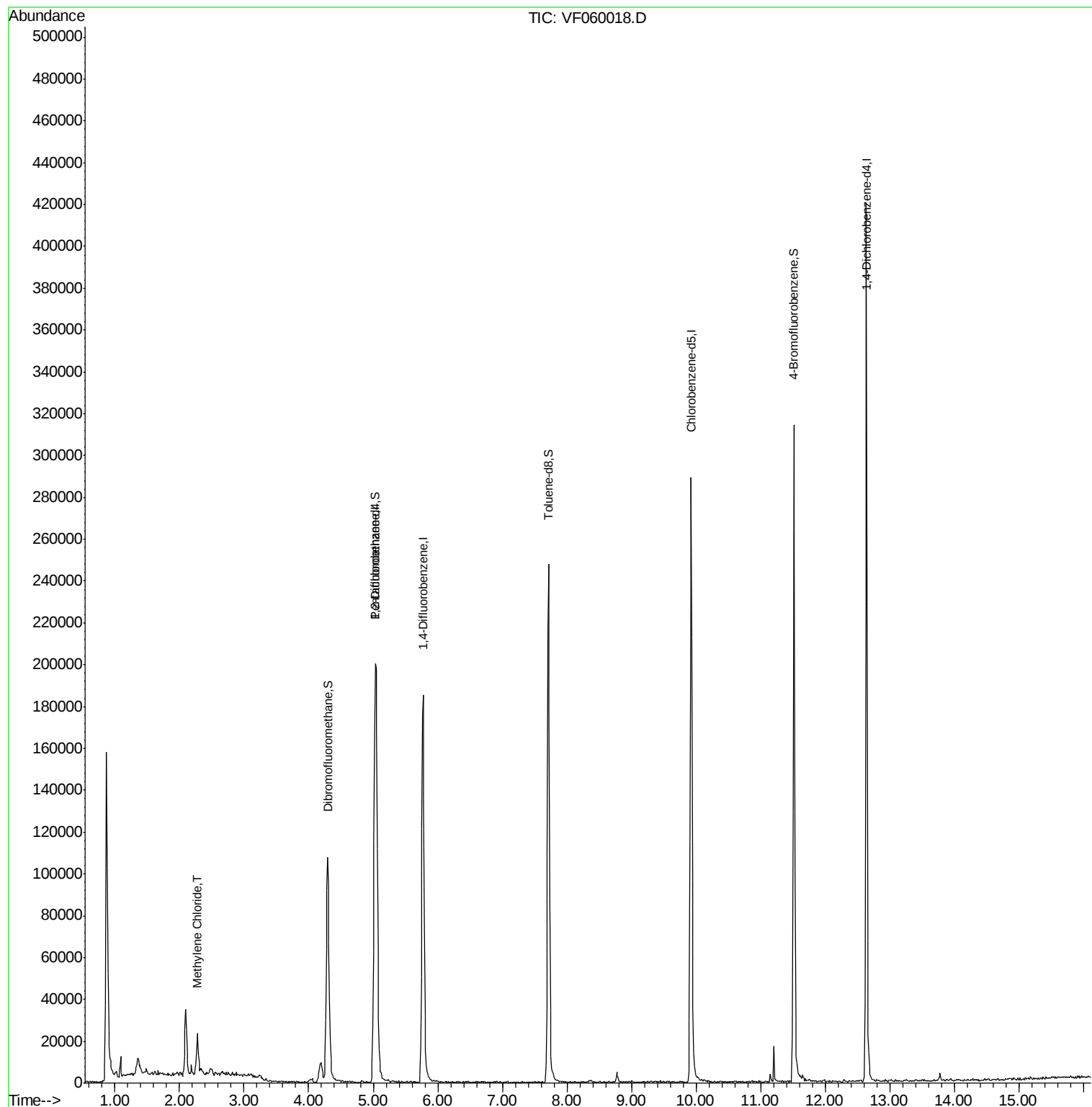
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	2.28	84	8118	2.37	ug/l	# 88

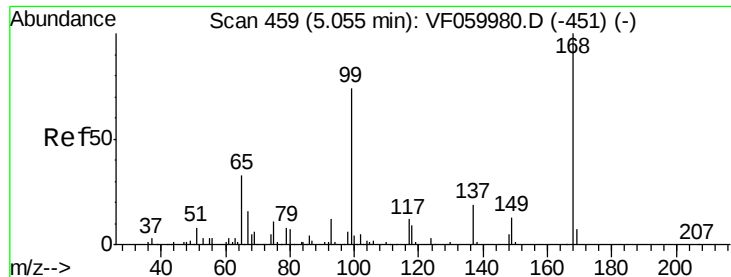
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF060018.D

Acq: 20 Aug 2018 22:38

Instrument :

MSVOA_F

ClientSampleId :

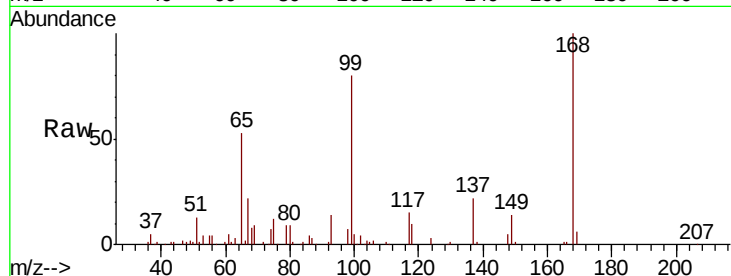
TOD1-FP-6-0-2

Tot Ion:168 Resp: 121535

Ion Ratio Lower Upper

168 100

99 80.0 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

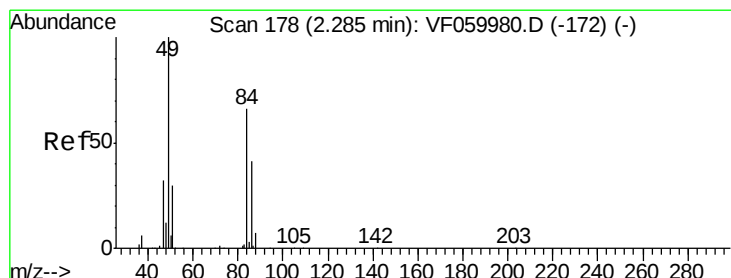
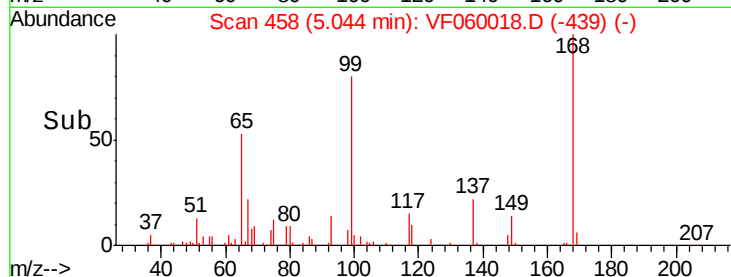
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#20

Methylene Chloride

Concen: 2.37 ug/l

RT: 2.28 min Scan# 178

Delta R.T. -0.00 min

Lab File: VF060018.D

Acq: 20 Aug 2018 22:38

Tgt Ion: 84 Resp: 8118

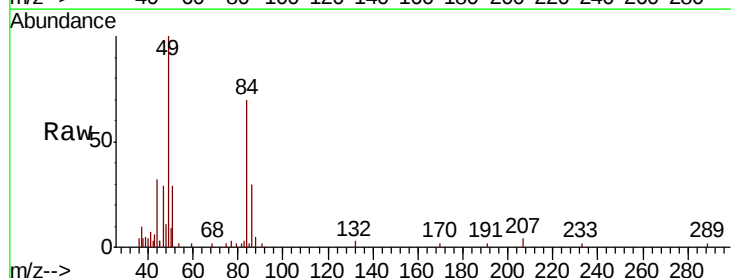
Ion Ratio Lower Upper

84 100

49 143.6 122.5 183.7

51 42.2 37.1 55.7

86 42.6 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

8000

6000

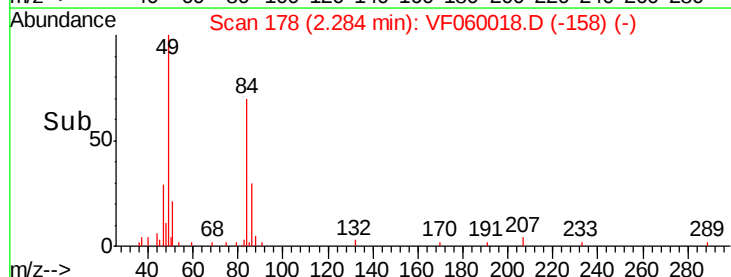
4000

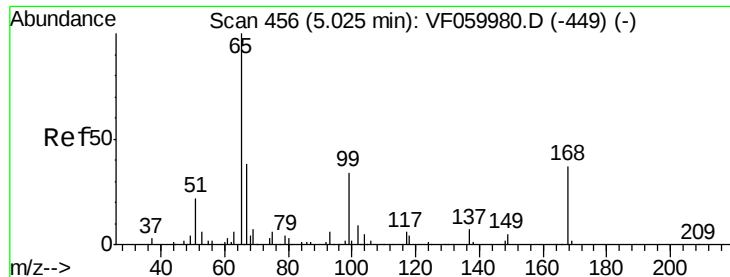
2000

0

2.20 2.30 2.40

Time-->

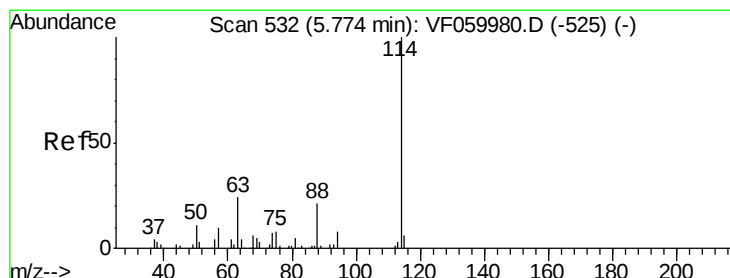
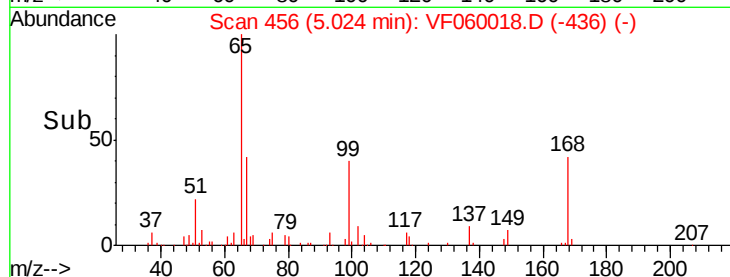
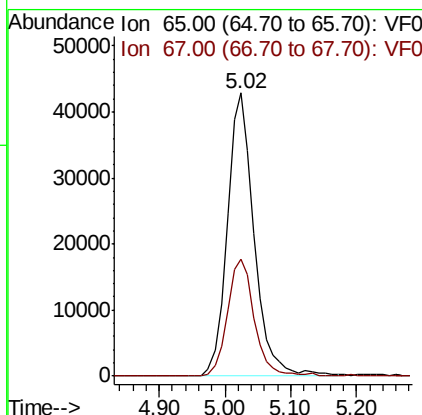
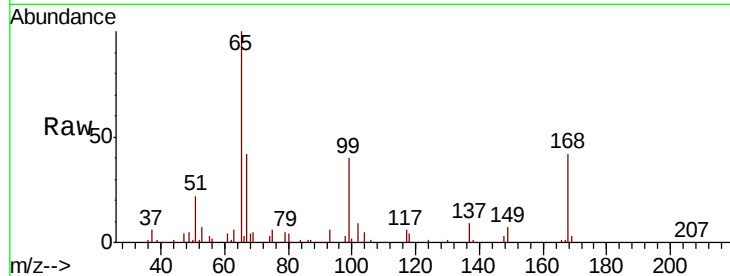




#33
 1,2-Dichloroethane-d4
 Concen: 52.01 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: VF060018.D
 Acq: 20 Aug 2018 22:38

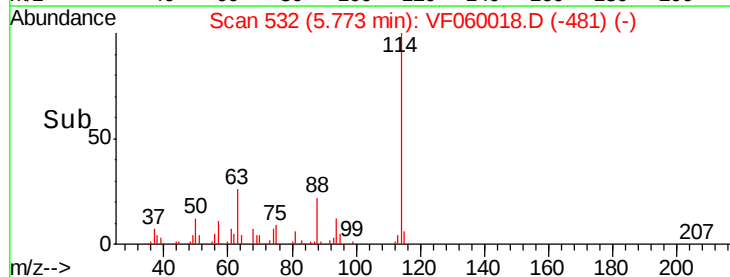
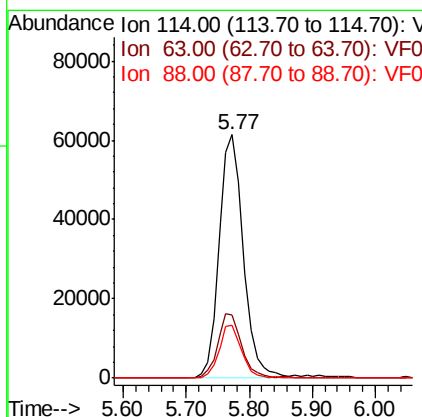
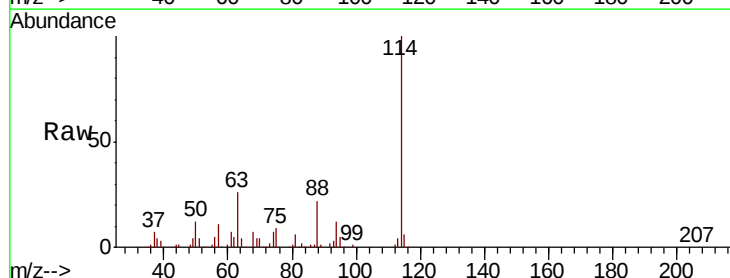
Instrument :
 MSVOA_F
 ClientSampleId :
 TOD1-FP-6-0-2

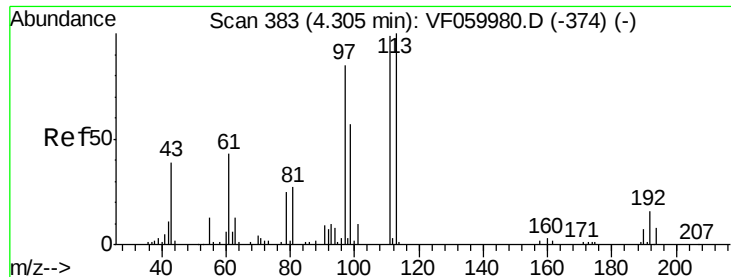
Tot Ion: 65 Resp: 122012
 Ion Ratio Lower Upper
 65 100
 67 41.5 0.0 82.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VF060018.D
 Acq: 20 Aug 2018 22:38

Tgt Ion: 114 Resp: 166621
 Ion Ratio Lower Upper
 114 100
 63 26.1 0.0 48.6
 88 21.6 0.0 42.8

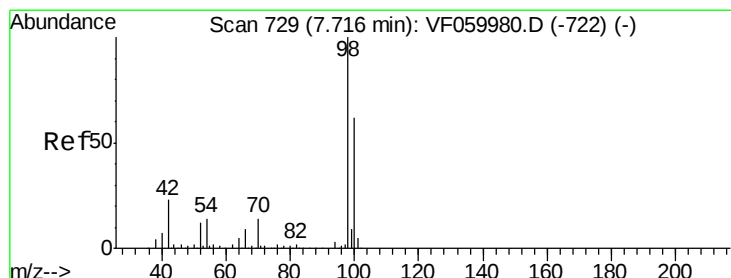
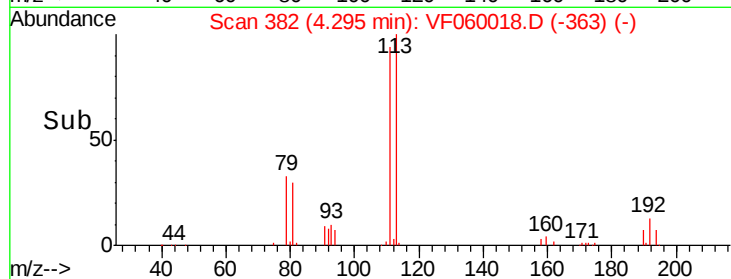
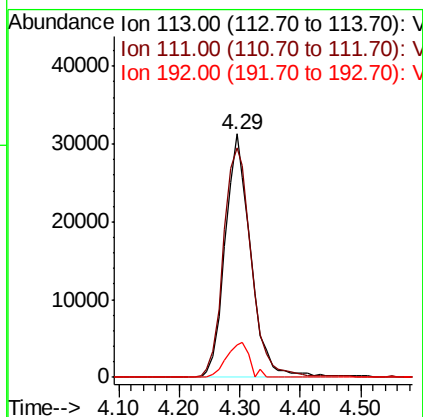
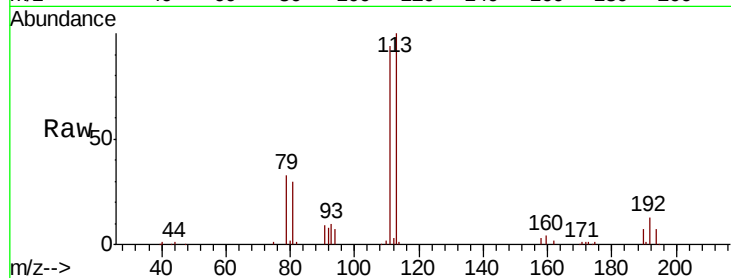




#35
 Dibromofluoromethane
 Concen: 53.78 ug/l
 RT: 4.29 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VF060018.D
 Acq: 20 Aug 2018 22:38

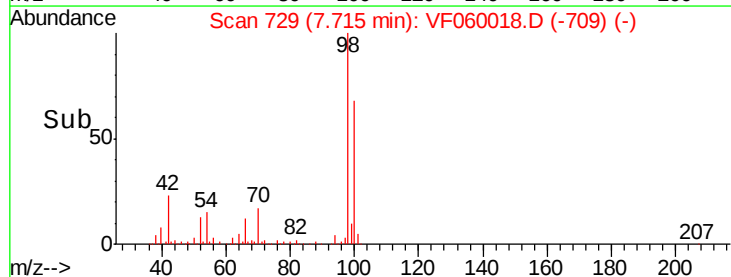
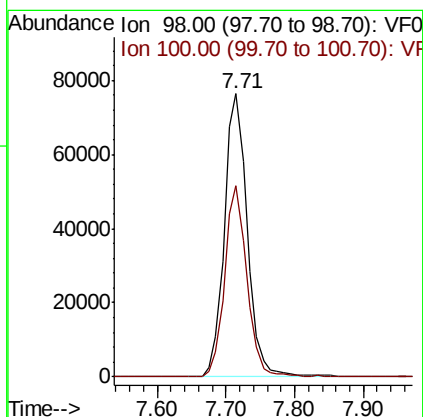
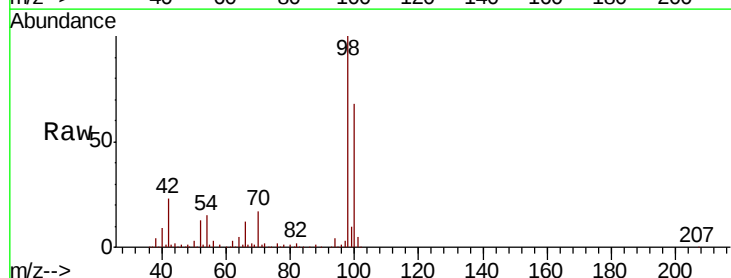
Instrument :
 MSVOA_F
 ClientSampleId :
 TOD1-FP-6-0-2

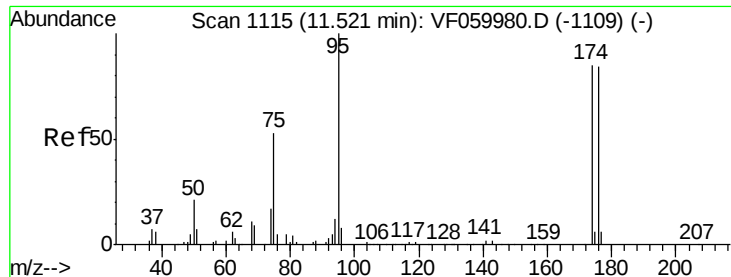
Tot Ion:113 Resp: 91586
 Ion Ratio Lower Upper
 113 100
 111 94.3 79.5 119.3
 192 13.5 12.4 18.6



#50
 Toluene-d8
 Concen: 46.74 ug/l
 RT: 7.71 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VF060018.D
 Acq: 20 Aug 2018 22:38

Tgt Ion: 98 Resp: 177006
 Ion Ratio Lower Upper
 98 100
 100 67.6 49.8 74.8





#62

4-Bromofluorobenzene

Concen: 42.96 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF060018.D

Acq: 20 Aug 2018 22:38

Instrument :

MSVOA_F

ClientSampleId :

TOD1-FP-6-0-2

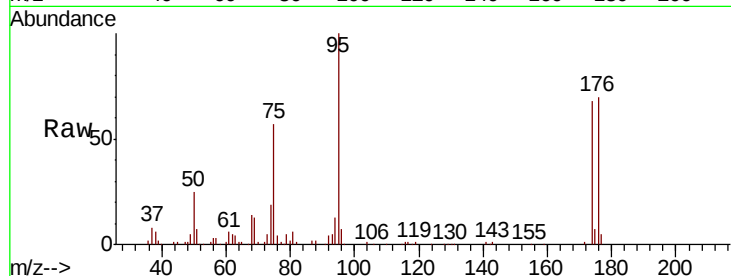
Tot Ion: 95 Resp: 99845

Ion Ratio Lower Upper

95 100

174 67.9 0.0 169.8

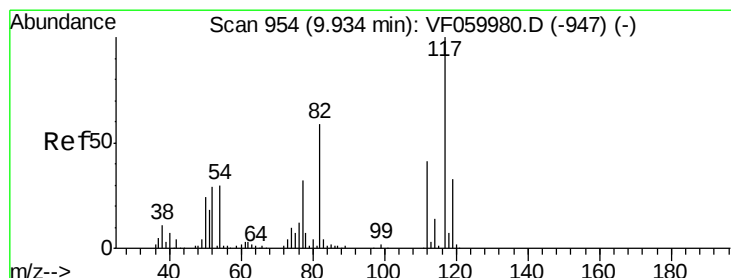
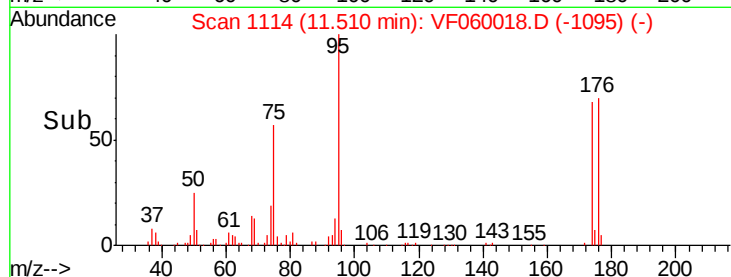
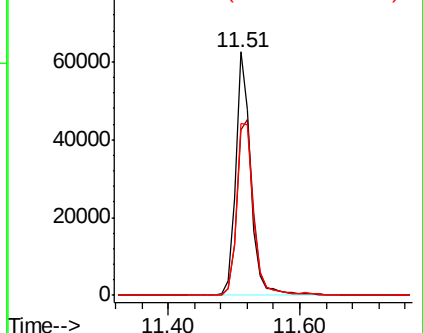
176 70.4 0.0 167.8



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: VF060018.D

Acq: 20 Aug 2018 22:38

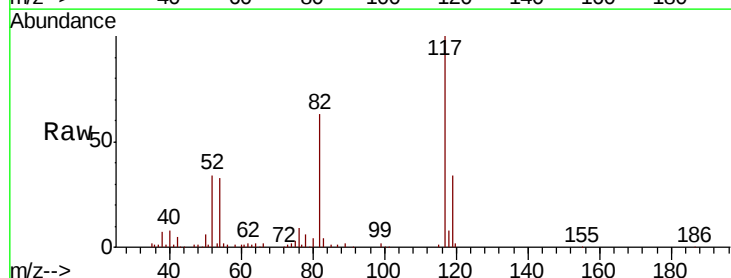
Tgt Ion: 117 Resp: 172859

Ion Ratio Lower Upper

117 100

82 63.3 47.2 70.8

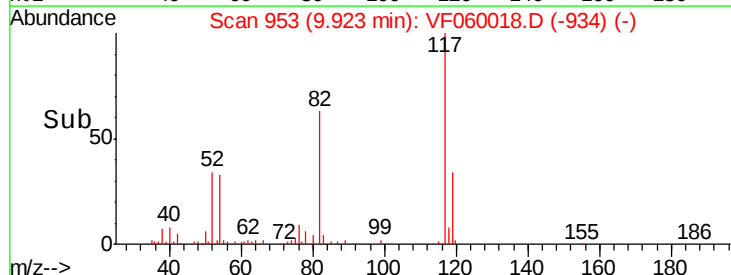
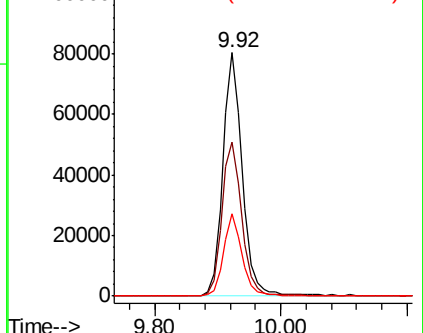
119 33.7 26.1 39.1

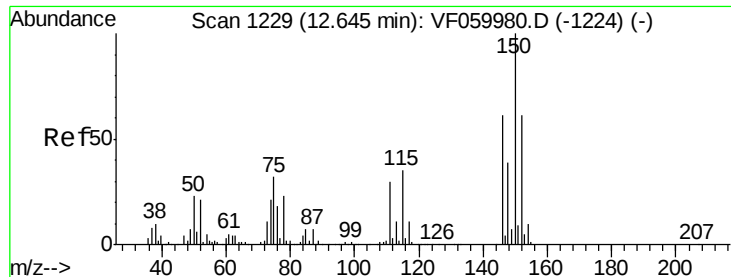


Abundance Ion 117.00 (116.70 to 117.70): V

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: VF060018.D

Acq: 20 Aug 2018 22:38

Instrument :

MSVOA_F

ClientSampleId :

TOD1-FP-6-0-2

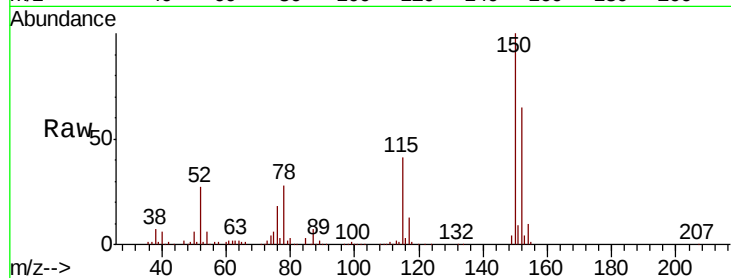
Tot Ion:152 Resp: 95638

Ion Ratio Lower Upper

152 100

115 63.2 29.1 87.3

150 154.2 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

