

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011019\
 Data File : VF061339.D
 Acq On : 10 Jan 2019 12:48
 Operator : VA/AP
 Sample : VF0110SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 11 00:41:38 2019
 Quant Method : Z:\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	213109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	329950	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	328663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	182110	50.00	ug/l	0.00

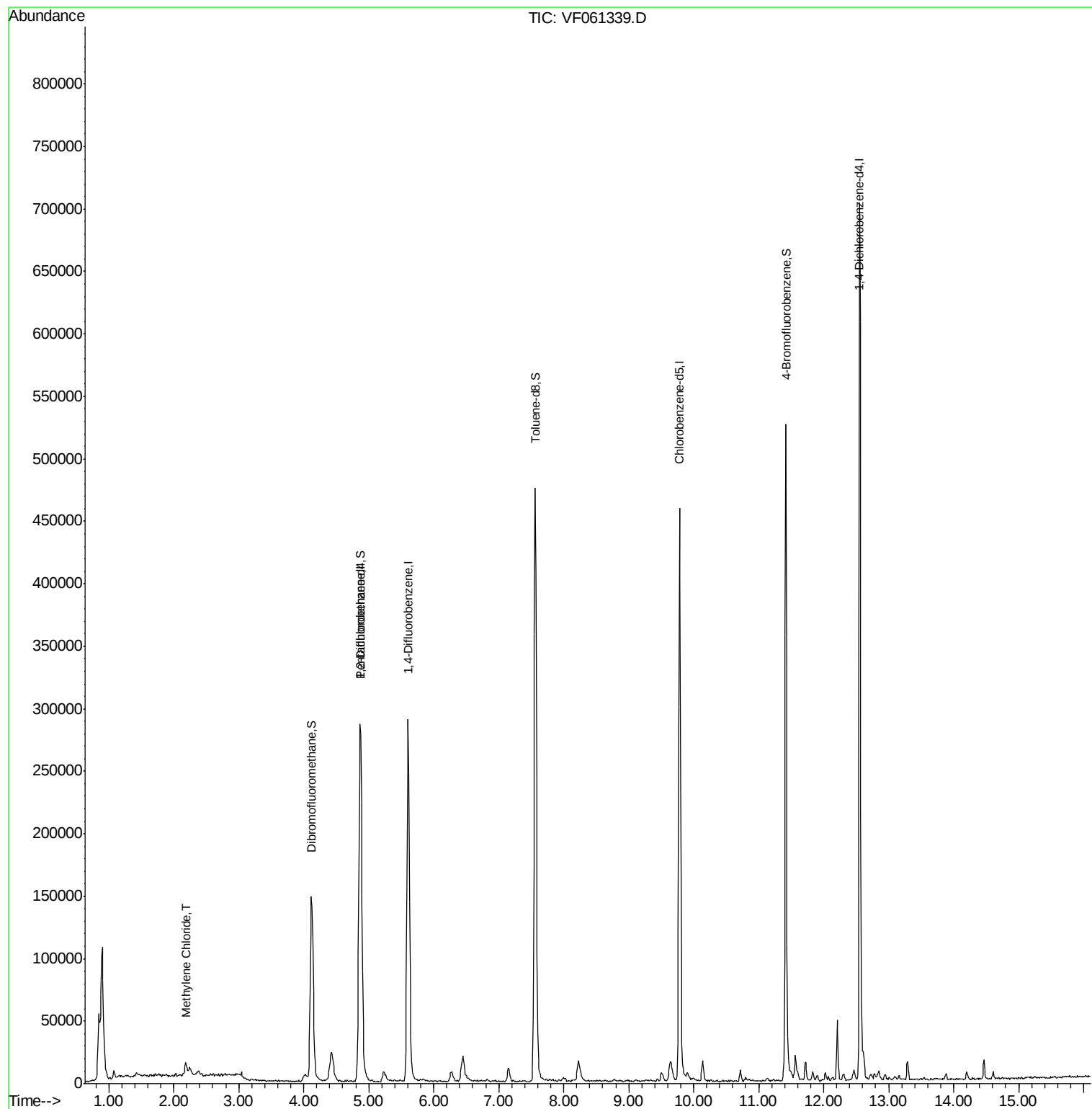
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	121969	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
35) Dibromofluoromethane	4.12	113	147731	58.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.04%	
50) Toluene-d8	7.56	98	395566	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
62) 4-Bromofluorobenzene	11.42	95	200656	61.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.02%	

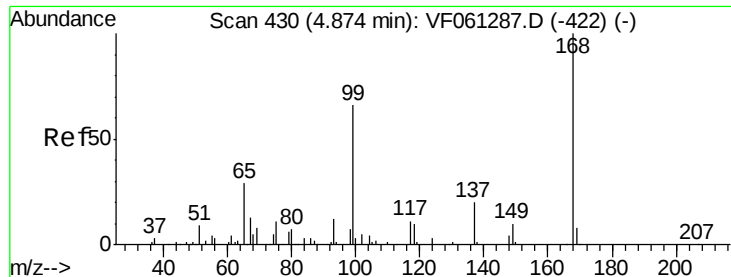
Target Compounds					Qvalue
20) Methylene Chloride	2.18	84	7498m	3.212	ug/l

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.00 min

Lab File: VF061339.D

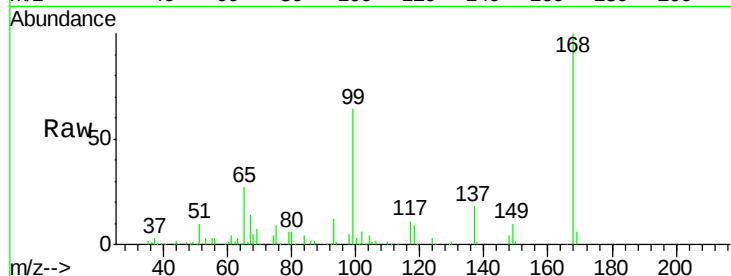
Acq: 10 Jan 2019 12:48

Tot Ion:168 Resp: 213109

Ion Ratio Lower Upper

168 100

99 64.3 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

80000

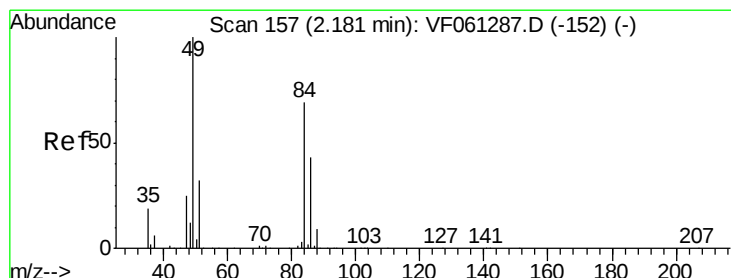
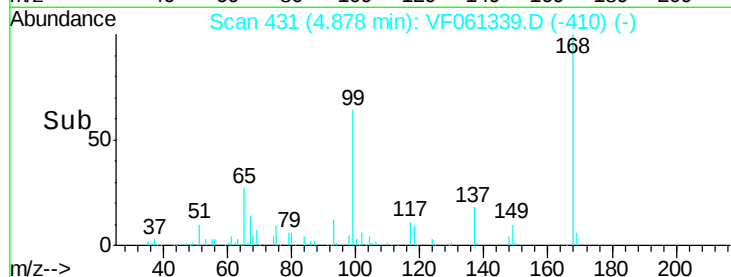
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#20

Methylene Chloride

Concen: 3.212 ug/l m

RT: 2.18 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF061339.D

Acq: 10 Jan 2019 12:48

Tgt Ion: 84 Resp: 7498

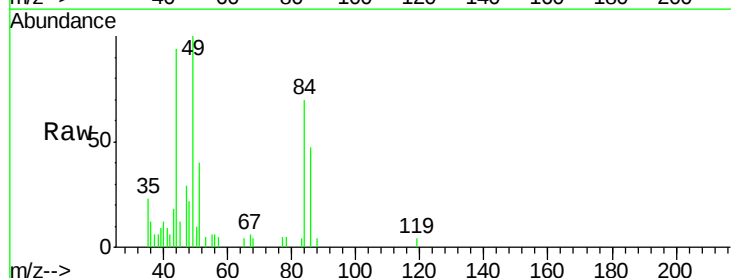
Ion Ratio Lower Upper

84 100

49 142.9 116.6 175.0

51 57.4 37.7 56.5#

86 67.8 49.8 74.8



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

4000

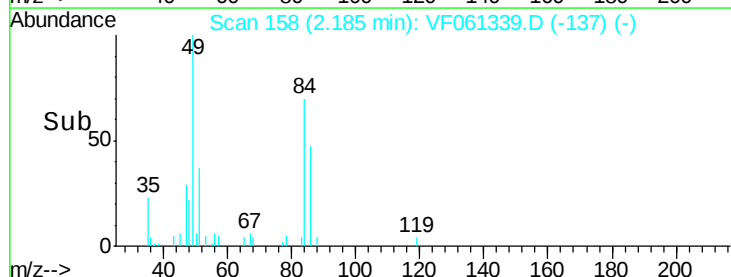
3000

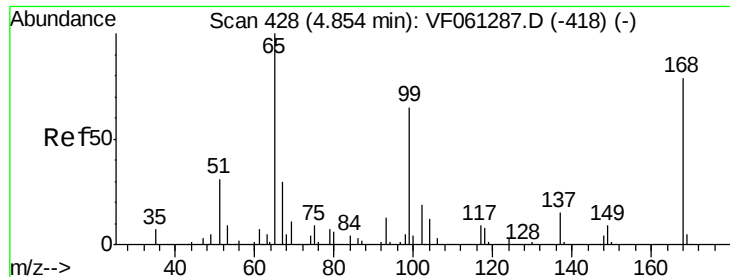
2000

1000

0

Time--> 2.10 2.20 2.30





#33

1,2-Dichloroethane-d4

Concen: 51.420 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF061339.D

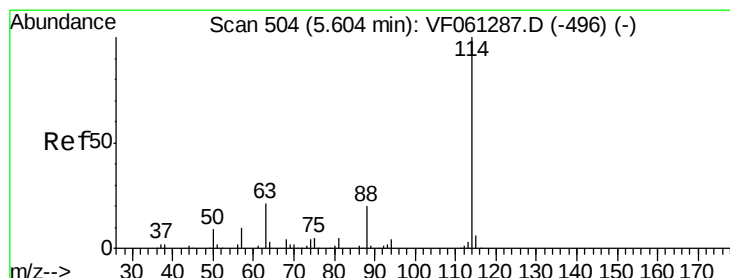
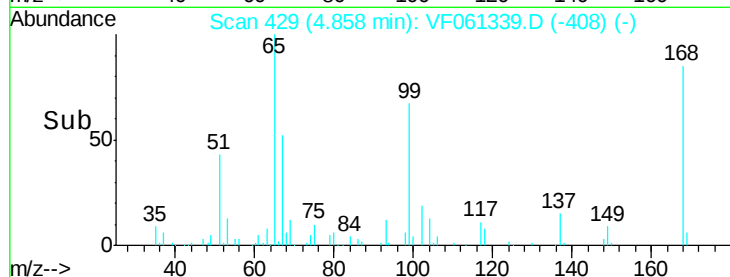
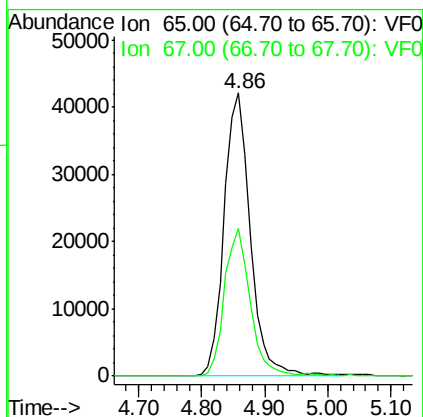
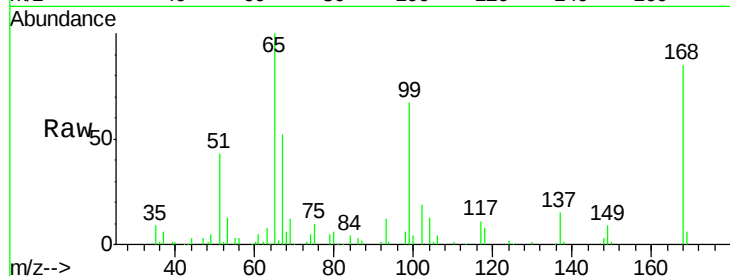
Acq: 10 Jan 2019 12:48

Tot Ion: 65 Resp: 121969

Ion Ratio Lower Upper

65 100

67 52.1 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.00 min

Lab File: VF061339.D

Acq: 10 Jan 2019 12:48

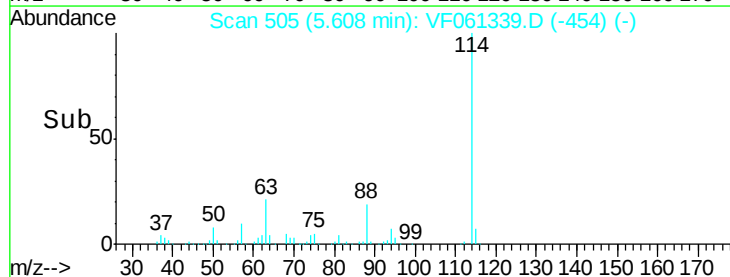
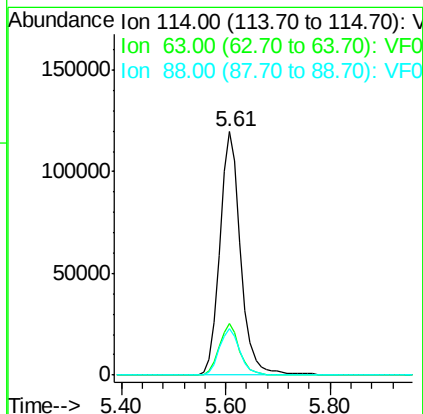
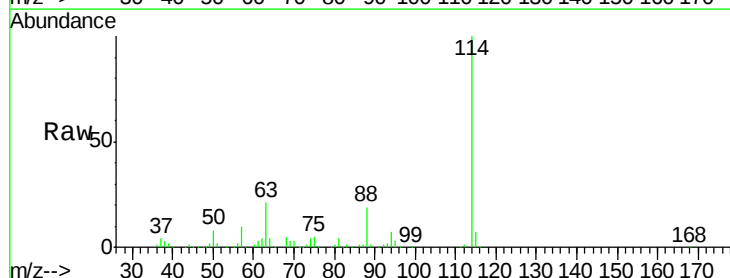
Tgt Ion: 114 Resp: 329950

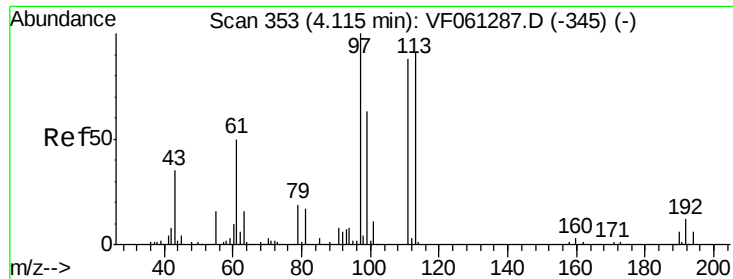
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.8

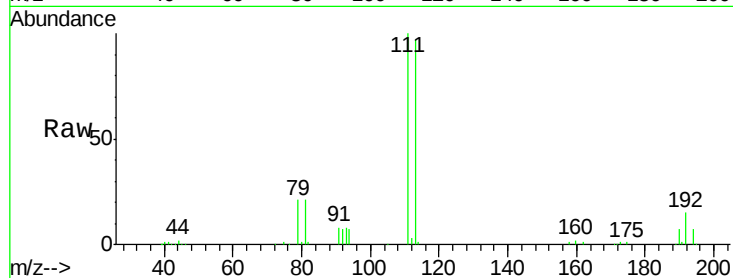
88 18.9 0.0 40.0



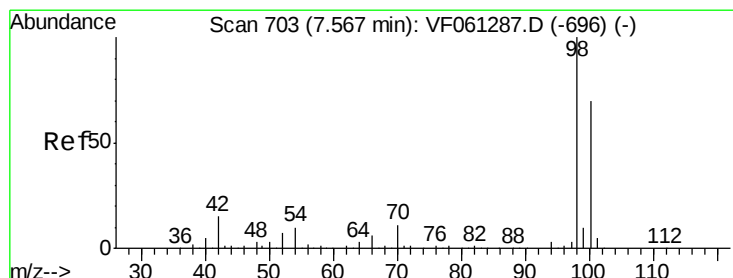
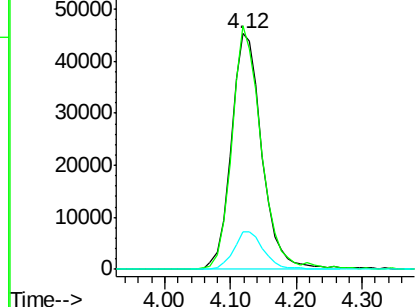
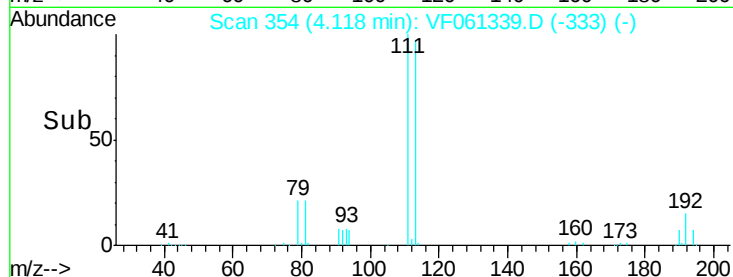


#35
Dibromofluoromethane
Concen: 58.515 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF061339.D
Acq: 10 Jan 2019 12:48

Tot Ion:113 Resp: 147731
Ion Ratio Lower Upper
113 100
111 103.4 78.0 117.0
192 15.7 10.6 16.0

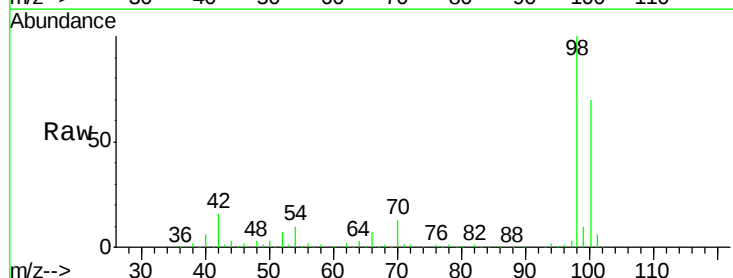


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

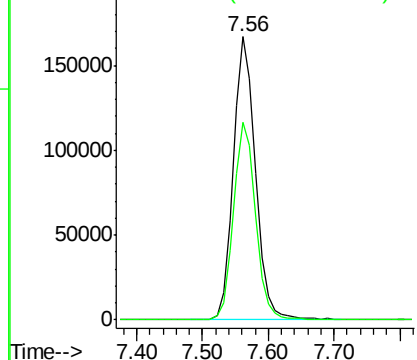
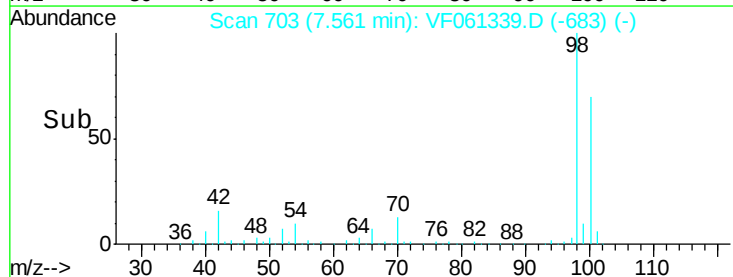


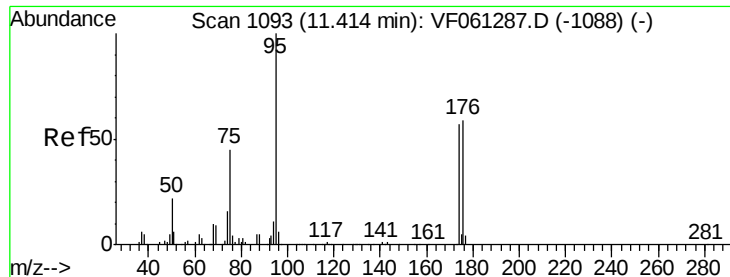
#50
Toluene-d8
Concen: 52.946 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF061339.D
Acq: 10 Jan 2019 12:48

Tgt Ion: 98 Resp: 395566
Ion Ratio Lower Upper
98 100
100 69.9 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#62

4-Bromofluorobenzene

Concen: 61.507 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF061339.D

Acq: 10 Jan 2019 12:48

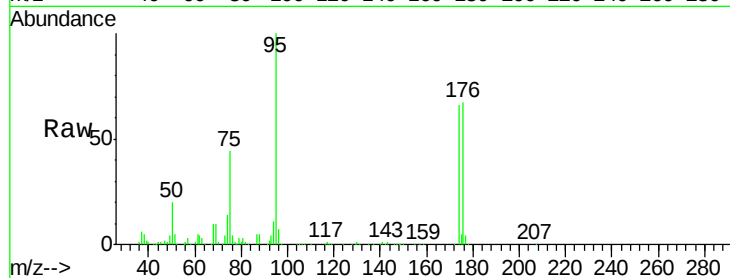
Tot Ion: 95 Resp: 200656

Ion Ratio Lower Upper

95 100

174 66.4 0.0 114.2

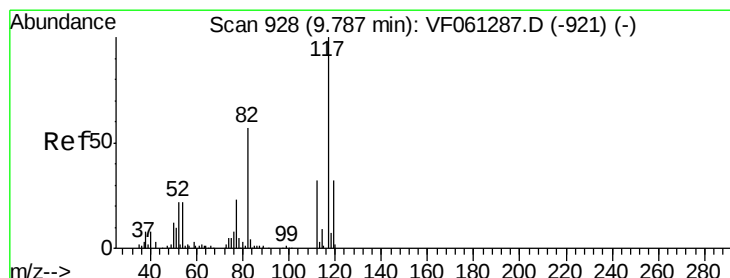
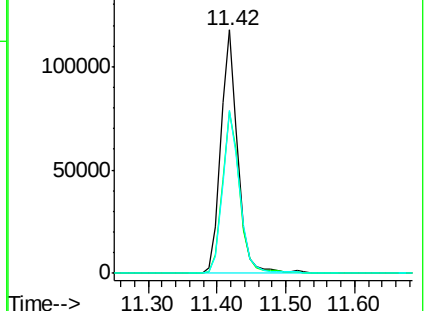
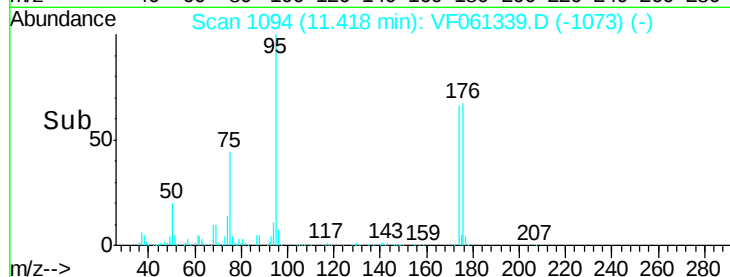
176 67.0 0.0 117.8



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: 50.000 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.01 min

Lab File: VF061339.D

Acq: 10 Jan 2019 12:48

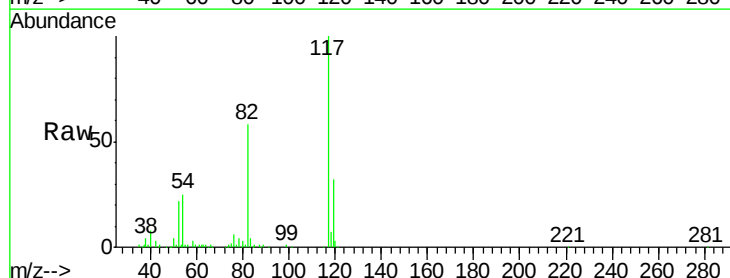
Tgt Ion: 117 Resp: 328663

Ion Ratio Lower Upper

117 100

82 58.4 45.3 67.9

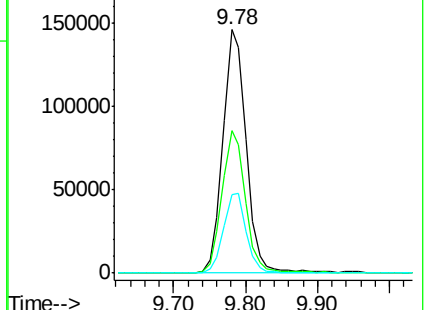
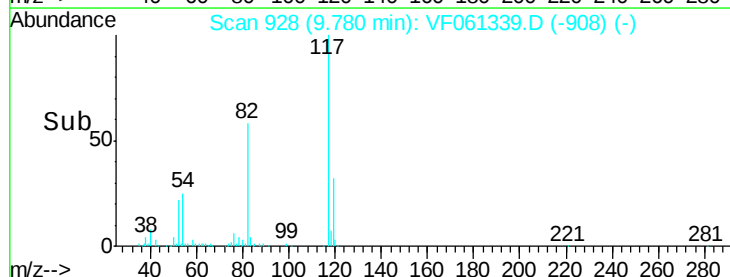
119 32.3 25.4 38.0

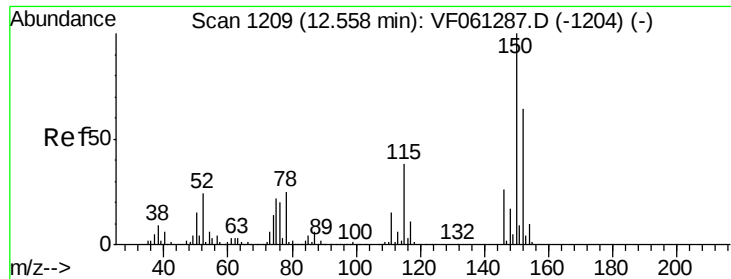


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

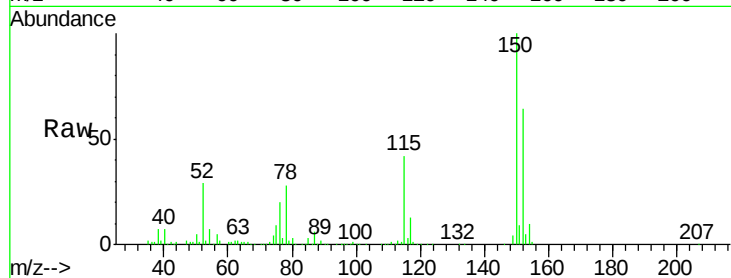




#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF061339.D
 Acq: 10 Jan 2019 12:48

Tot Ion	Ratio	Lower	Upper
152	100		
115	65.5	29.6	88.9
150	155.9	0.0	315.4



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

