

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011019\
 Data File : VF061348.D
 Acq On : 10 Jan 2019 17:13
 Operator : VA/AP
 Sample : K1006-19
 Misc : 8.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

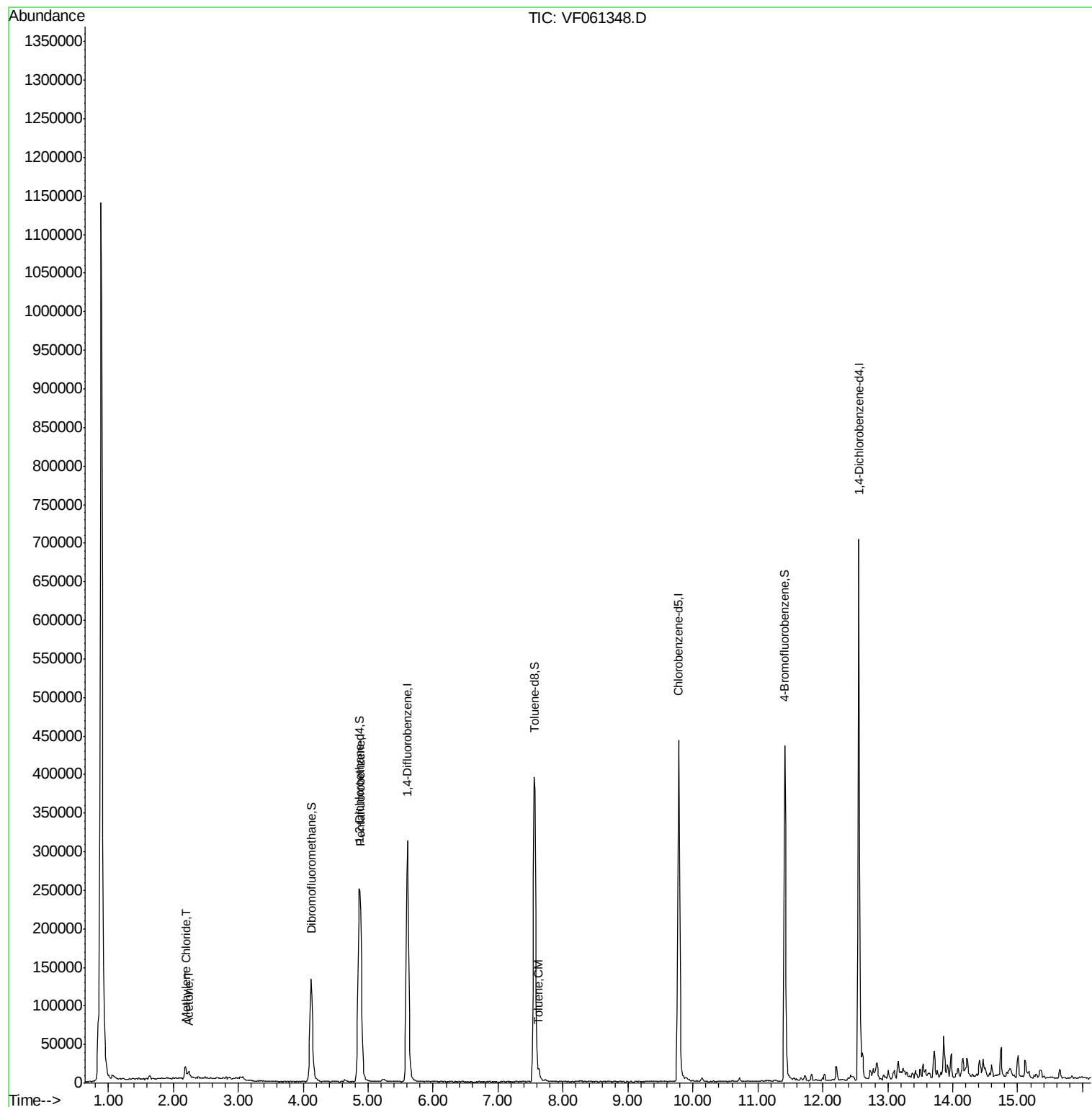
Quant Time: Jan 11 00:51:56 2019
 Quant Method : Z:\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

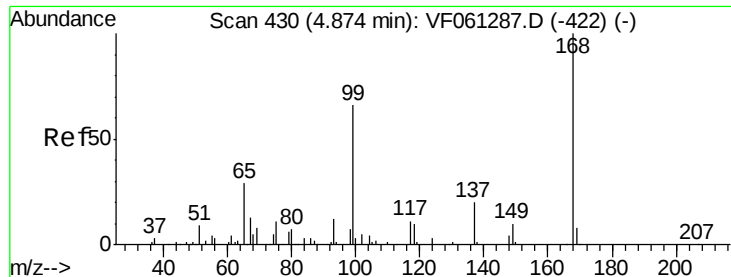
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	188362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	346923	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	322768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	183887	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	112036	53.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.88%	
35) Dibromofluoromethane	4.12	113	130639	49.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.42%	
50) Toluene-d8	7.56	98	335357	42.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.38%	
62) 4-Bromofluorobenzene	11.41	95	167011	48.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.38%	
Target Compounds						
16) Acetone	2.24	43	8838	18.121	ug/l	93
20) Methylene Chloride	2.18	84	8182	3.965	ug/l #	94
52) Toluene	7.64	92	6422	1.056	ug/l	97

(#) = 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. 0.01 min

Lab File: VF061348.D

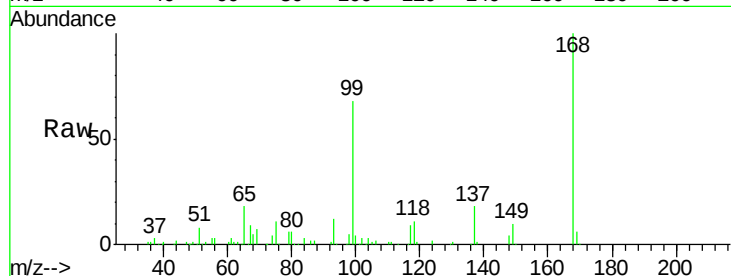
Acq: 10 Jan 2019 17:13

Tot Ion:168 Resp: 188362

Ion Ratio Lower Upper

168 100

99 67.7 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

60000

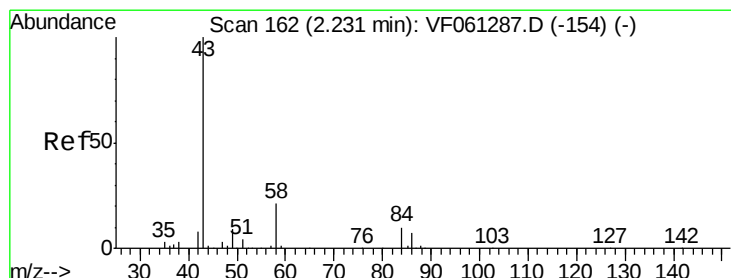
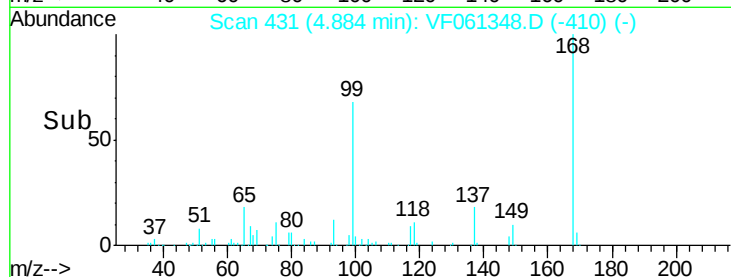
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#16

Acetone

Concen: 18.121 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061348.D

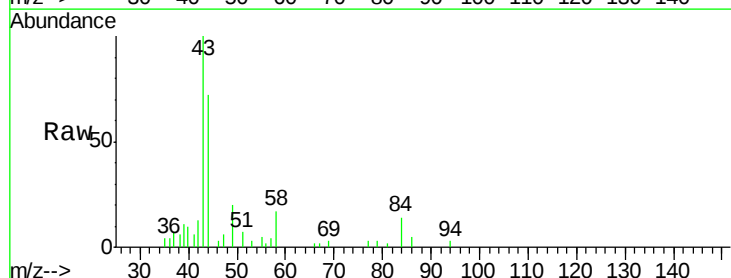
Acq: 10 Jan 2019 17:13

Tgt Ion: 43 Resp: 8838

Ion Ratio Lower Upper

43 100

58 17.4 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.24

5000

4000

3000

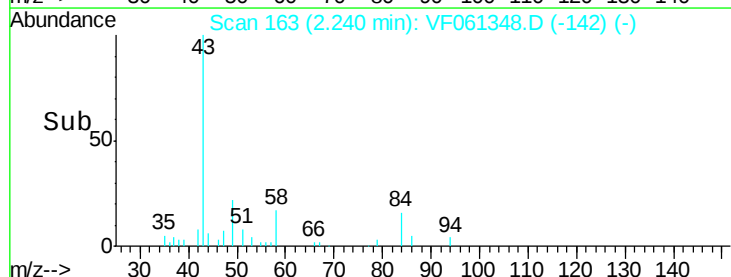
2000

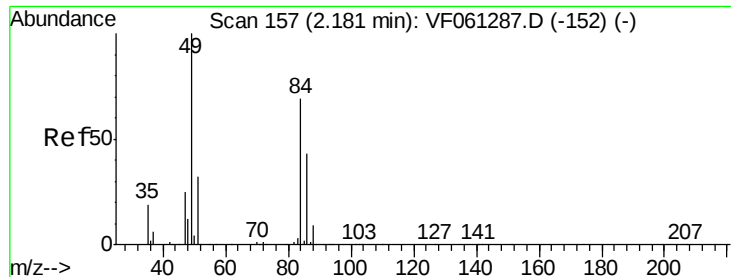
1000

0

Time-->

2.15 2.20 2.25 2.30 2.35





#20

Methylene Chloride

Concen: 3.965 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF061348.D

Acq: 10 Jan 2019 17:13

Tot Ion: 84 Resp: 8182

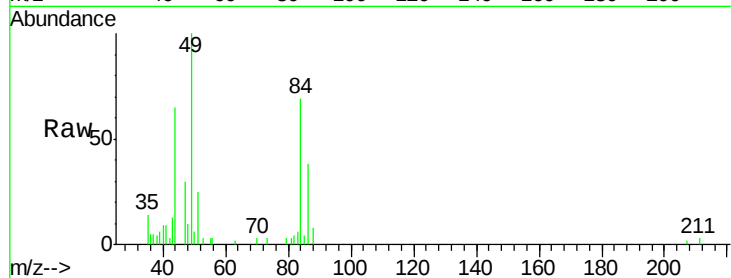
Ion Ratio Lower Upper

84 100

49 145.3 116.6 175.0

51 35.9 37.7 56.5#

86 55.1 49.8 74.8

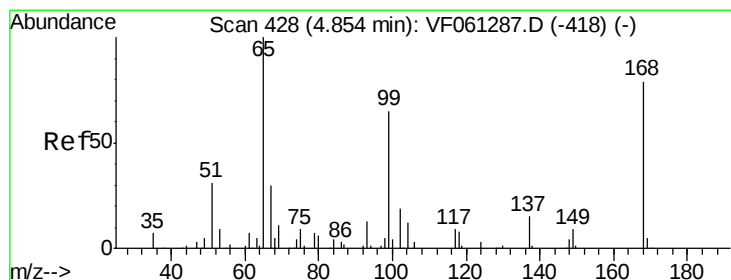
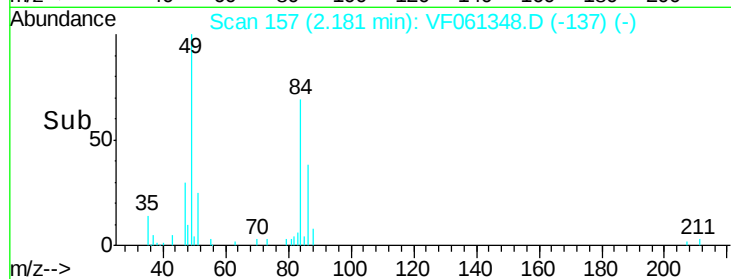
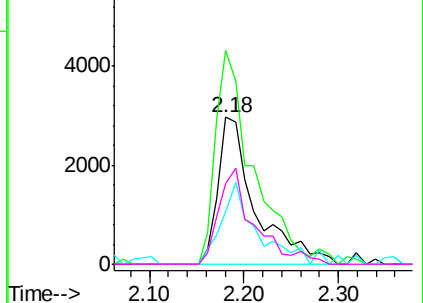


Abundance Ion 84.00 (83.70 to 84.70): VF0

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



#33

1,2-Dichloroethane-d4

Concen: 53.438 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.00 min

Lab File: VF061348.D

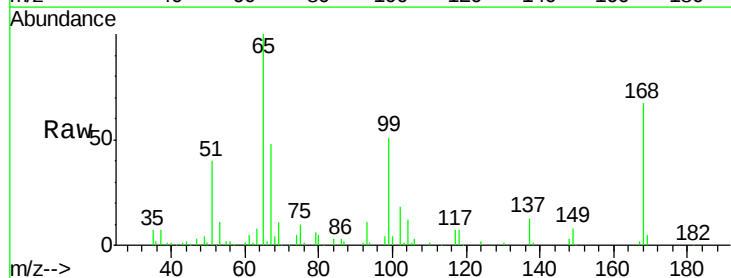
Acq: 10 Jan 2019 17:13

Tgt Ion: 65 Resp: 112036

Ion Ratio Lower Upper

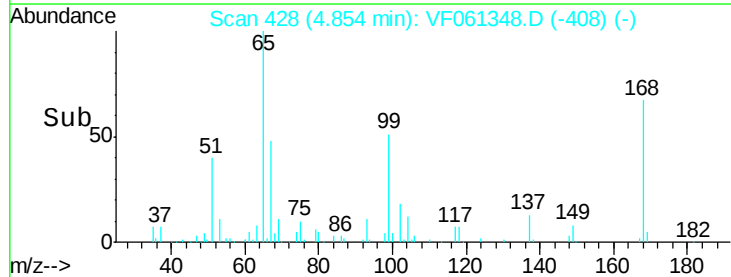
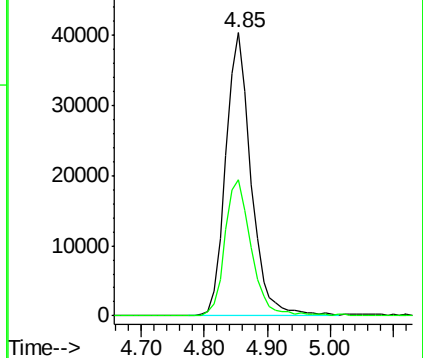
65 100

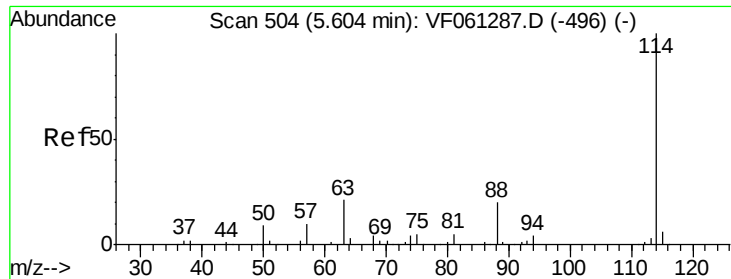
67 48.3 0.0 98.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

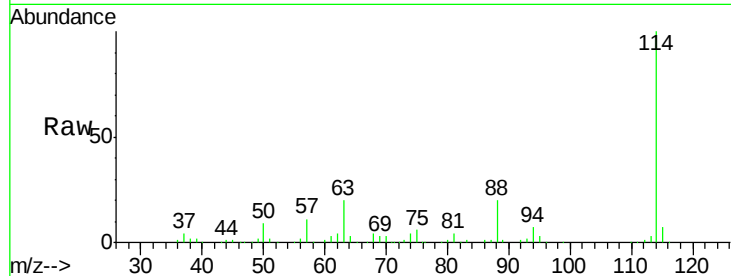
Ion 67.00 (66.70 to 67.70): VF0



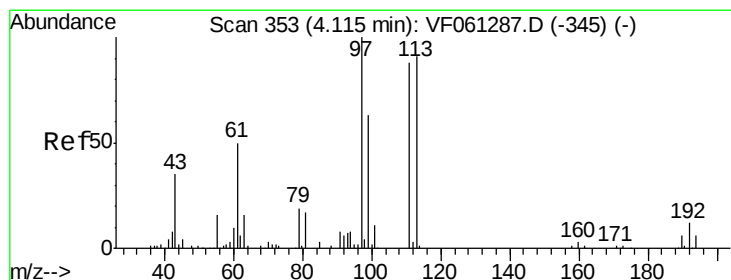
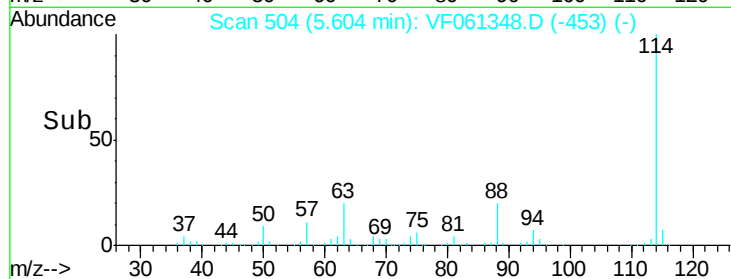
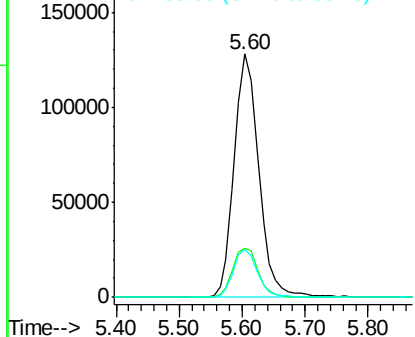


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.60 min Scan# 504
Delta R.T. -0.00 min
Lab File: VF061348.D
Acq: 10 Jan 2019 17:13

Tot Ion:114 Resp: 346923
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.8
88 19.8 0.0 40.0

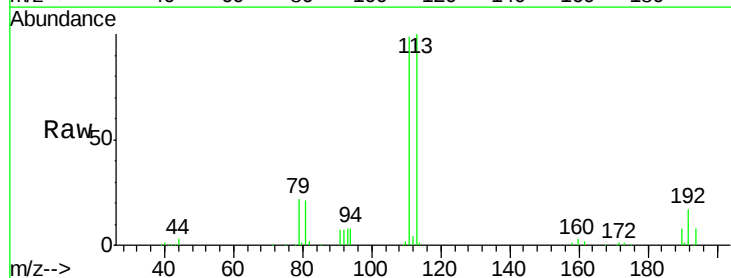


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

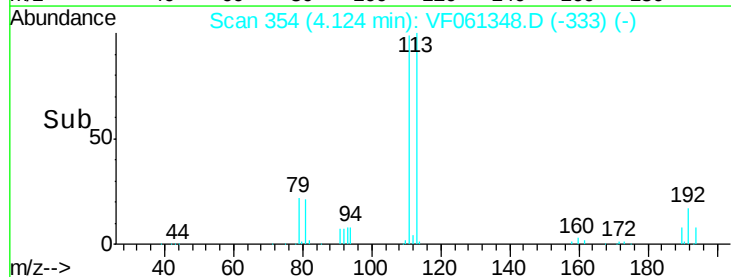
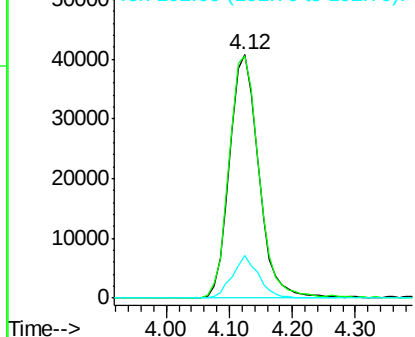


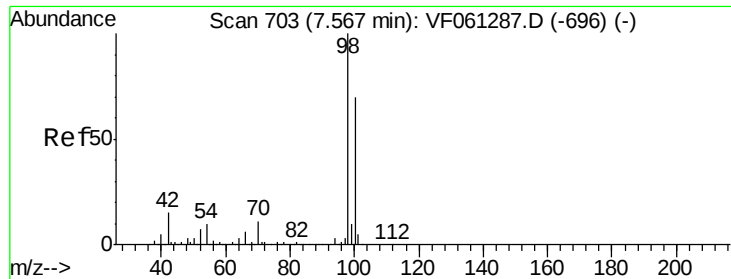
#35
Dibromofluoromethane
Concen: 49.214 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF061348.D
Acq: 10 Jan 2019 17:13

Tgt Ion:113 Resp: 130639
Ion Ratio Lower Upper
113 100
111 99.4 78.0 117.0
192 17.5 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: 42.691 ug/l

RT: 7.56 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061348.D

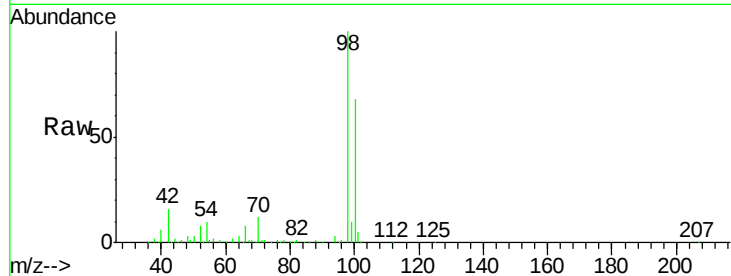
Acq: 10 Jan 2019 17:13

Tot Ion: 98 Resp: 335357

Ion Ratio Lower Upper

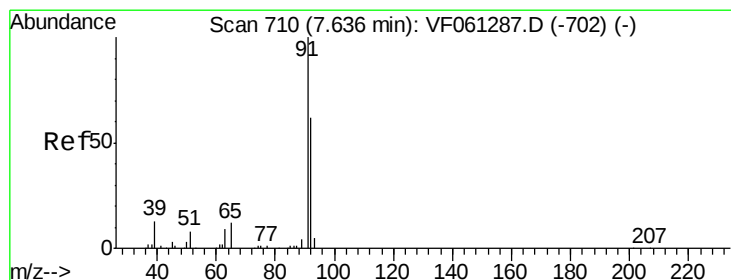
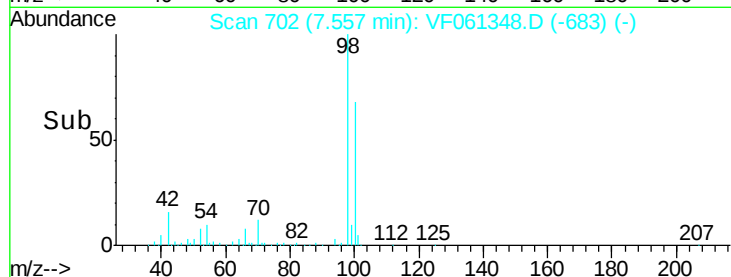
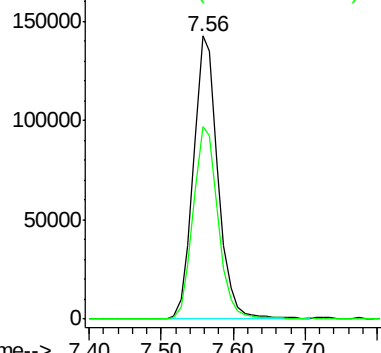
98 100

100 67.8 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#52

Toluene

Concen: 1.056 ug/l

RT: 7.64 min Scan# 710

Delta R.T. -0.00 min

Lab File: VF061348.D

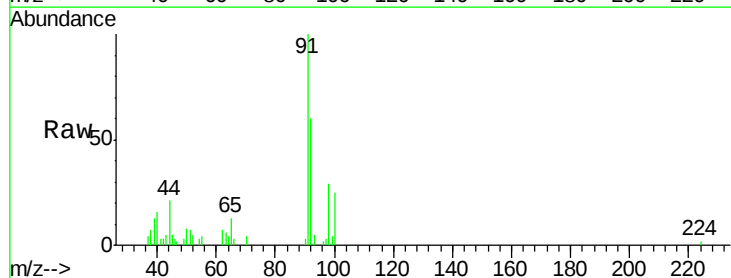
Acq: 10 Jan 2019 17:13

Tgt Ion: 92 Resp: 6422

Ion Ratio Lower Upper

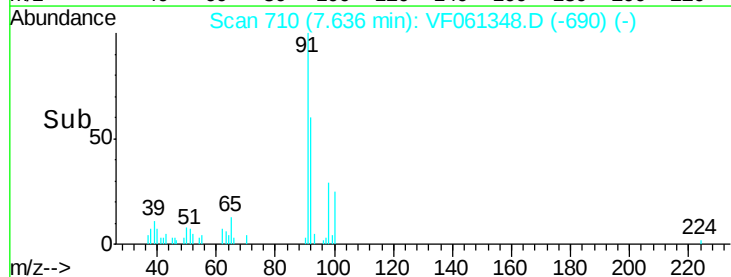
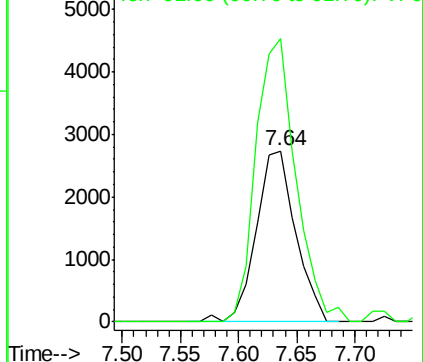
92 100

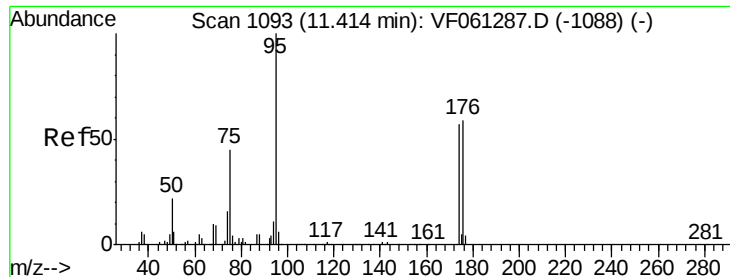
91 165.5 129.2 193.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

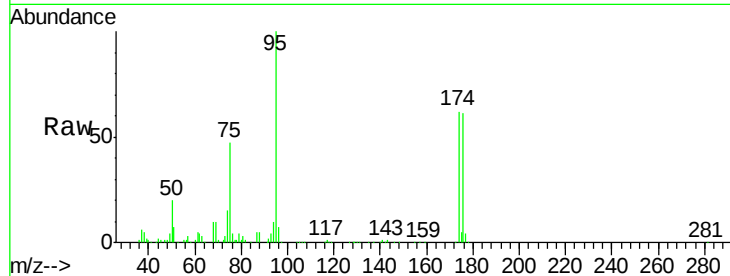
Ion 91.00 (90.70 to 91.70): VF0



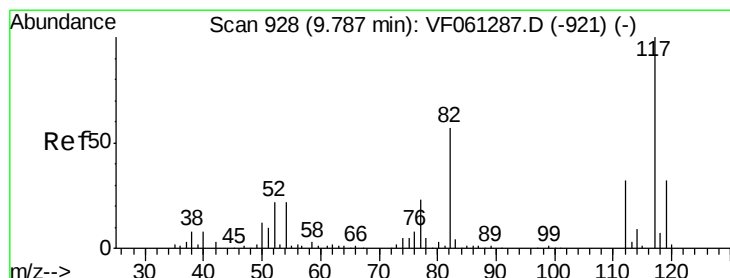
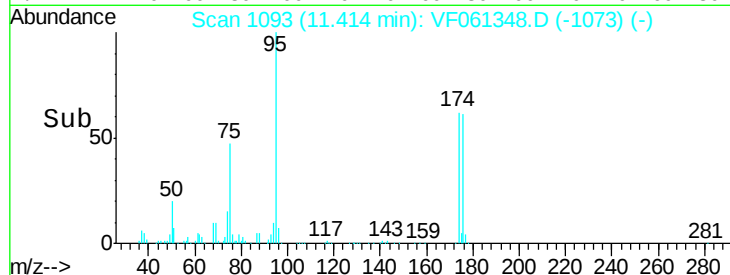
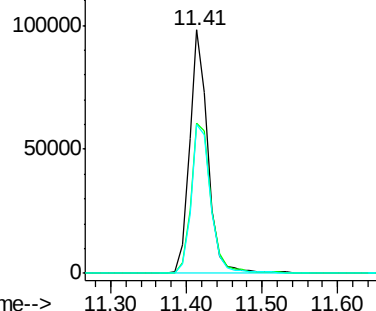


#62
4-Bromofluorobenzene
Concen: 48.689 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VF061348.D
Acq: 10 Jan 2019 17:13

Tot Ion: 95 Resp: 167011
Ion Ratio Lower Upper
95 100
174 61.9 0.0 114.2
176 61.1 0.0 117.8

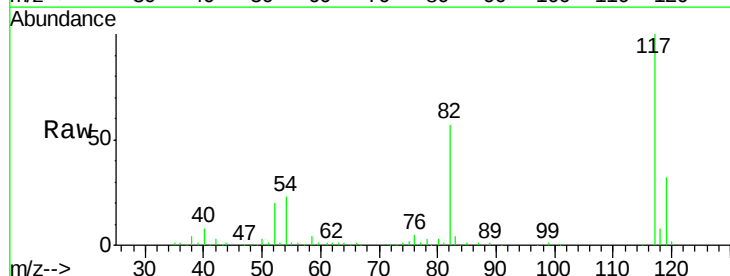


Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

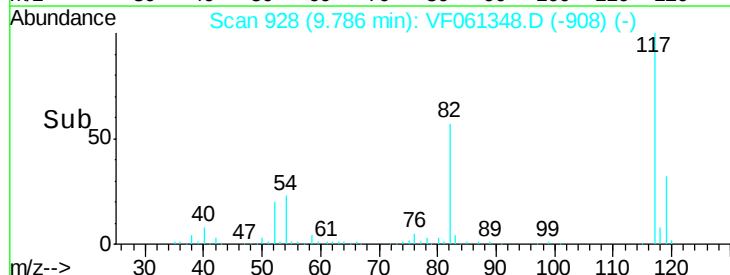
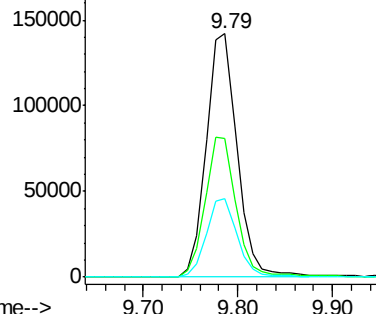


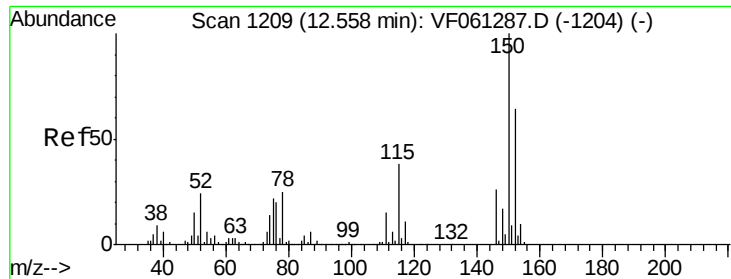
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF061348.D
Acq: 10 Jan 2019 17:13

Tgt Ion: 117 Resp: 322768
Ion Ratio Lower Upper
117 100
82 57.1 45.3 67.9
119 32.4 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

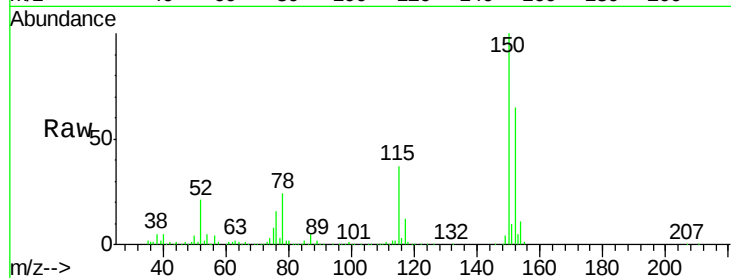




#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.56 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: VF061348.D
 Acq: 10 Jan 2019 17:13

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.7	29.6	88.9
150	153.4	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

