

Data Path : Z:\HPCHEM1\MSVOA_F\DATA\VF011019\
 Data File : VF061350.D
 Acq On : 10 Jan 2019 18:11
 Operator : VA/AP
 Sample : K1087-16RE
 Misc : 6.21g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

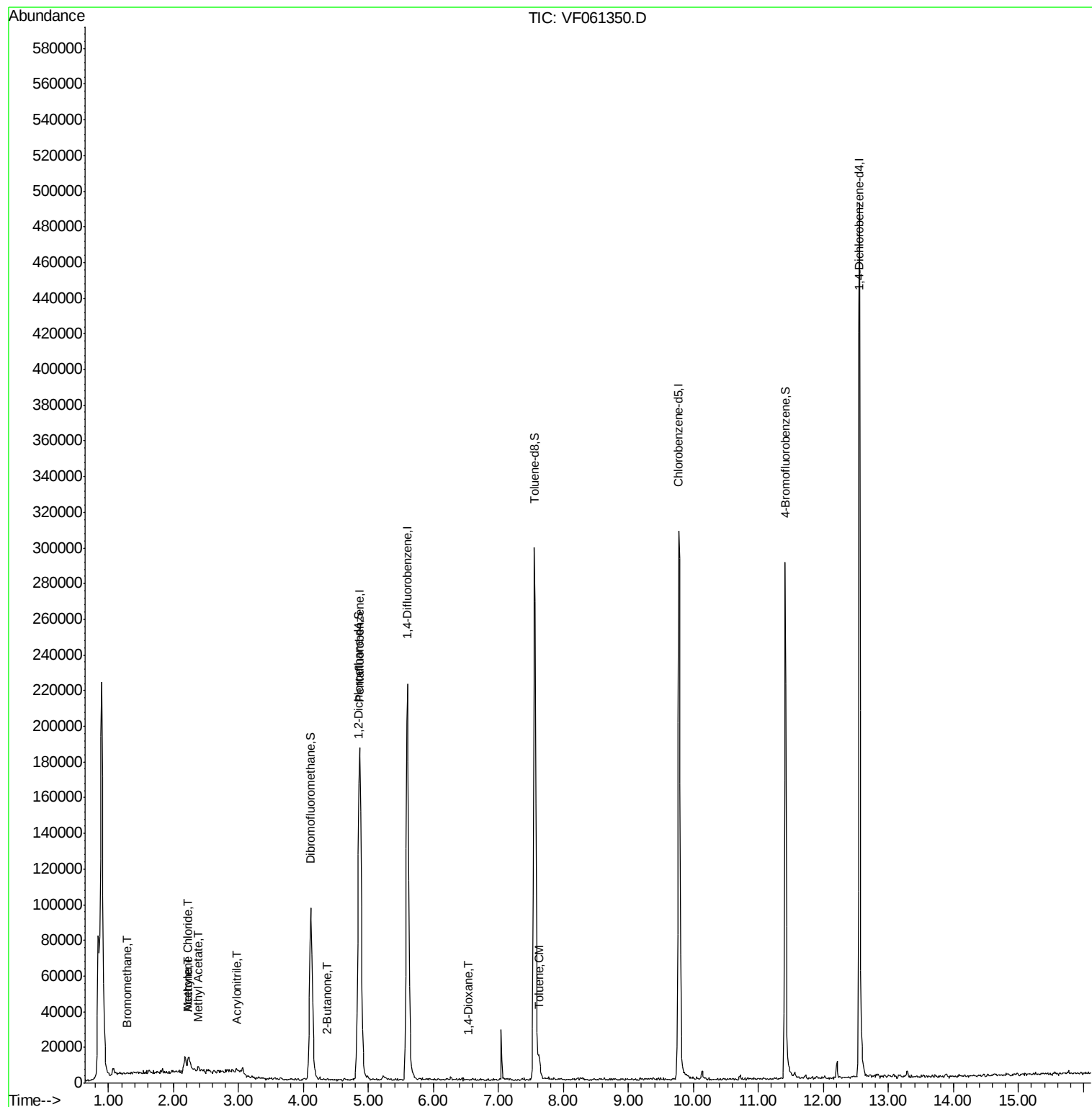
Quant Time: Jan 11 00:32:11 2019
 Quant Method : Z:\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

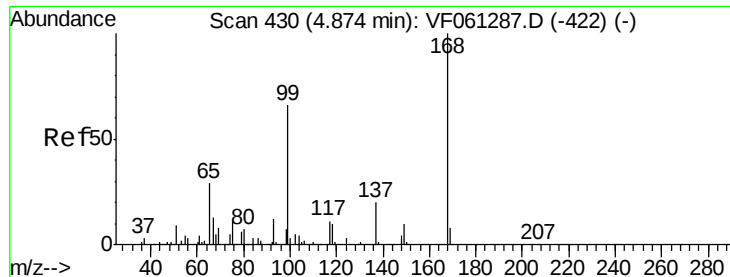
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	140129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	255749	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	229064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	123820	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	85958	55.11	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	110.22%	
35) Dibromofluoromethane	4.11	113	93221	47.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.28%	
50) Toluene-d8	7.55	98	254674	43.98	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	87.96%	
62) 4-Bromofluorobenzene	11.41	95	114879	45.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.86%	
Target Compounds						
5) Bromomethane	1.29	94	540	3.197	ug/l #	6
13) Acrolein	2.06	56	230	Below Cal		98
15) Acrylonitrile	2.97	53	444	2.006	ug/l #	32
16) Acetone	2.23	43	7207	19.863	ug/l #	89
18) Methyl Acetate	2.39	43	995	1.394	ug/l #	65
20) Methylene Chloride	2.24	84	3405	2.218	ug/l	88
25) 2-Butanone	4.35	43	791	1.355	ug/l #	56
49) 1,4-Dioxane	6.53	88	70	11.903	ug/l #	26
52) Toluene	7.62	92	5344	1.192	ug/l	97

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

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ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 11 00:32:11 2019
Quant Method : Z:\HPCHEM1\MSV0A_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF061350.D

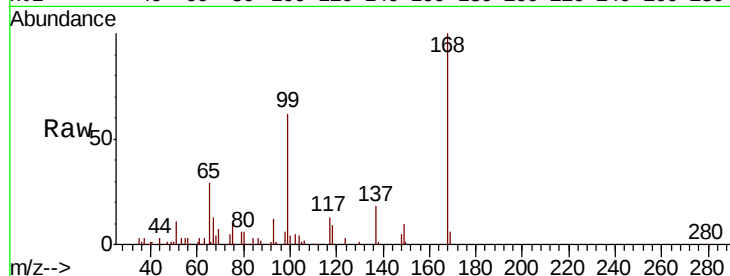
Acq: 10 Jan 2019 18:11

Tgt Ion: 168 Resp: 140129

Ion Ratio Lower Upper

168 100

99 62.2 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

50000

40000

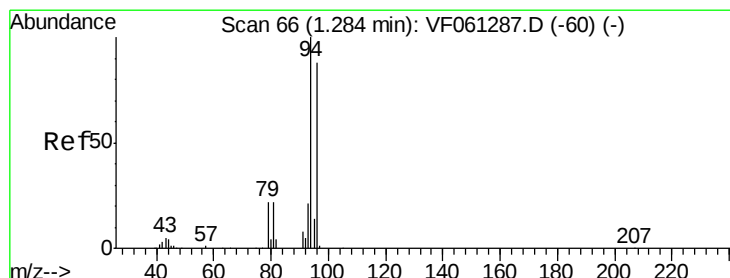
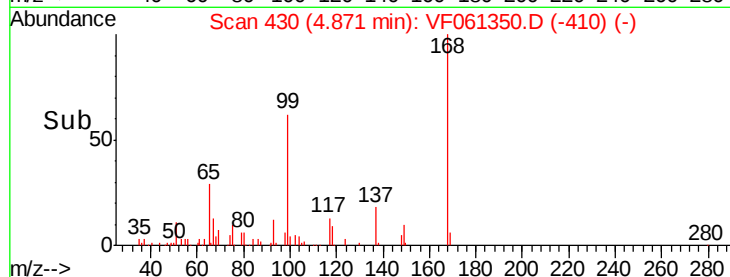
30000

20000

10000

0

Time-->



#5

Bromomethane

Concen: 3.197 ug/l

RT: 1.29 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF061350.D

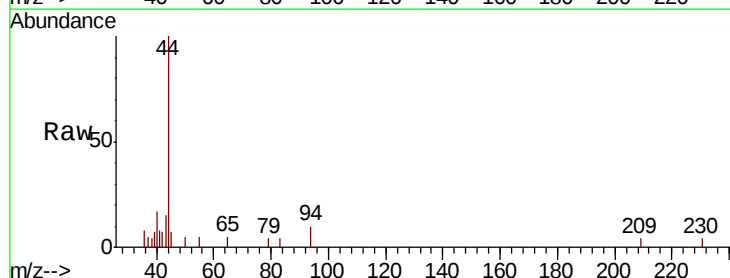
Acq: 10 Jan 2019 18:11

Tgt Ion: 94 Resp: 540

Ion Ratio Lower Upper

94 100

96 0.0 70.2 105.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

300

250

200

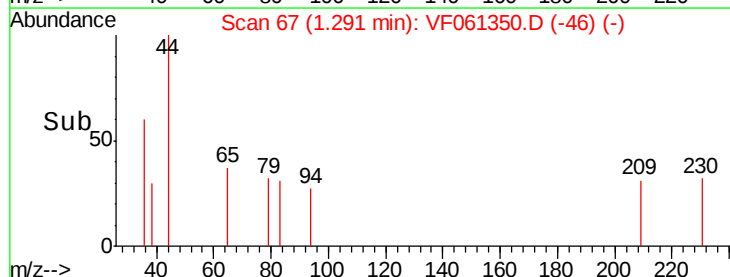
150

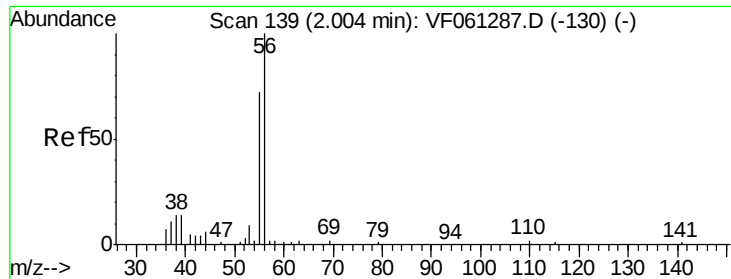
100

50

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. 0.06 min

Lab File: VF061350.D

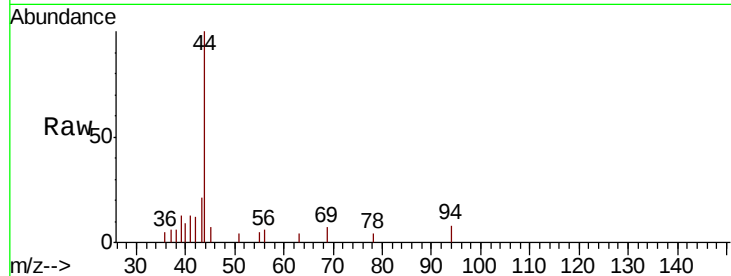
Acq: 10 Jan 2019 18:11

Tgt Ion: 56 Resp: 230

Ion Ratio Lower Upper

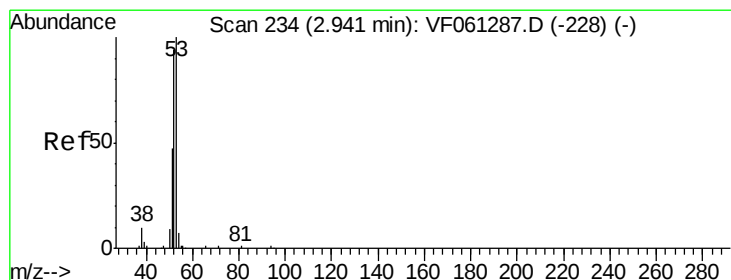
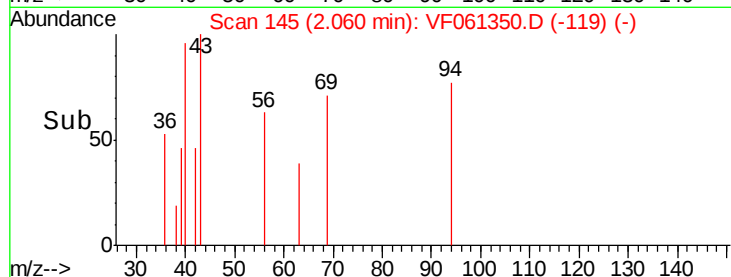
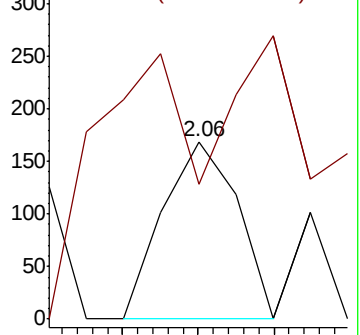
56 100

55 75.7 59.4 89.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#15

Acrylonitrile

Concen: 2.006 ug/l

RT: 2.97 min Scan# 237

Delta R.T. 0.03 min

Lab File: VF061350.D

Acq: 10 Jan 2019 18:11

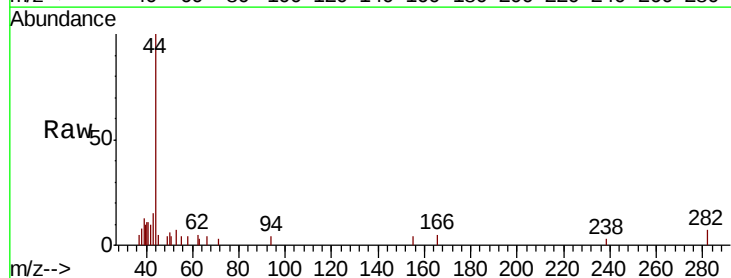
Tgt Ion: 53 Resp: 444

Ion Ratio Lower Upper

53 100

52 0.0 74.6 111.8#

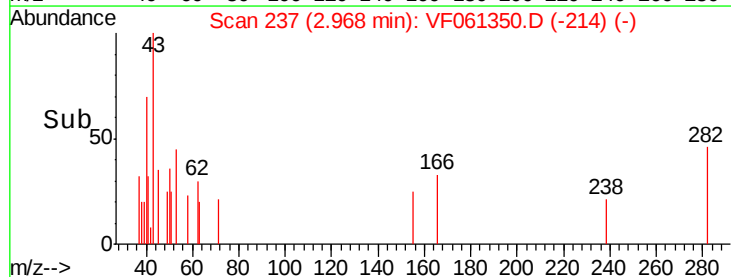
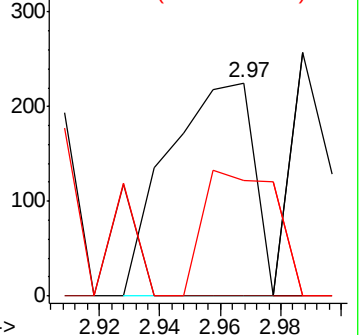
51 54.2 37.8 56.6

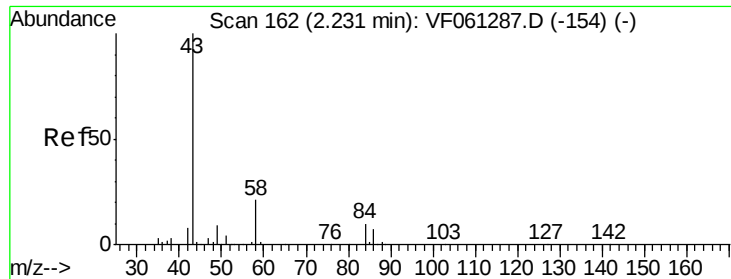


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 19.863 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.00 min

Lab File: VF061350.D

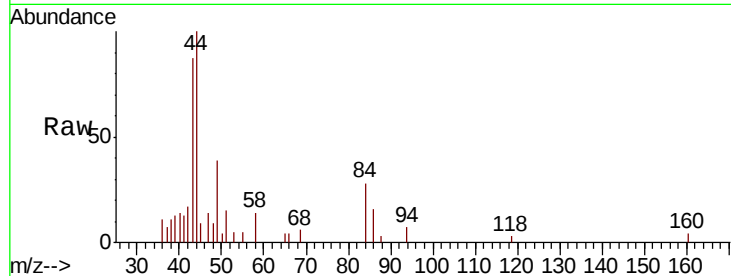
Acq: 10 Jan 2019 18:11

Tgt Ion: 43 Resp: 7207

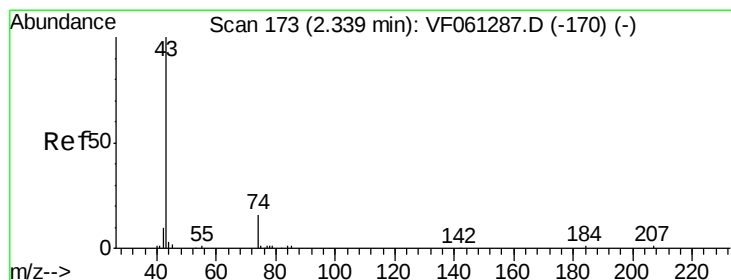
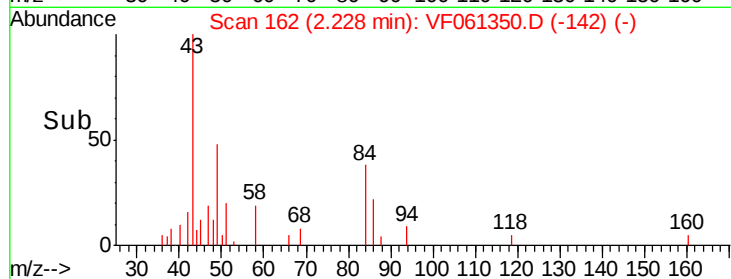
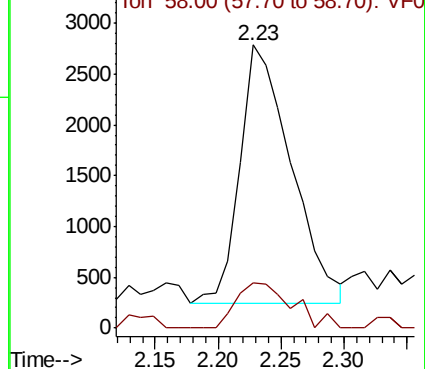
Ion Ratio Lower Upper

43 100

58 15.8 16.6 25.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0



#18

Methyl Acetate

Concen: 1.394 ug/l

RT: 2.39 min Scan# 178

Delta R.T. 0.05 min

Lab File: VF061350.D

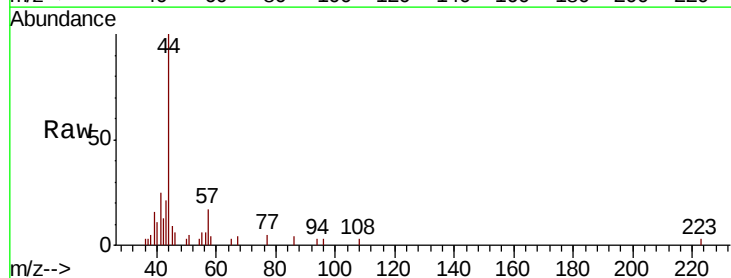
Acq: 10 Jan 2019 18:11

Tgt Ion: 43 Resp: 995

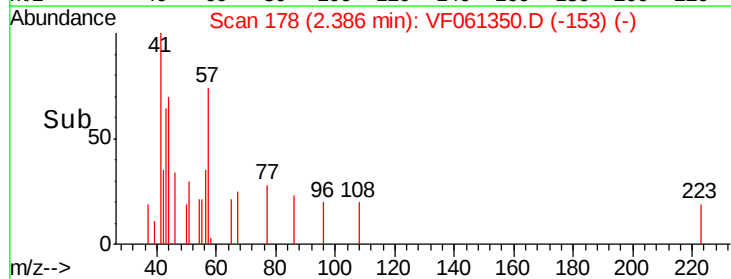
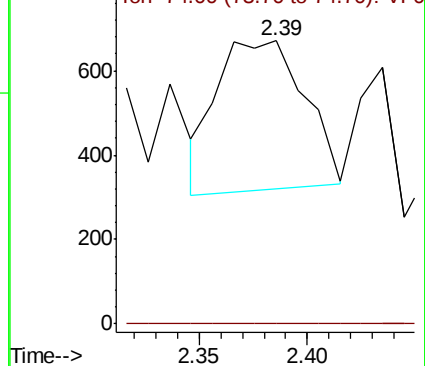
Ion Ratio Lower Upper

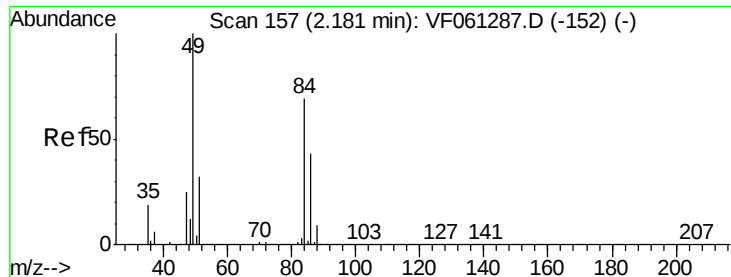
43 100

74 0.0 11.6 17.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0





#20

Methylene Chloride

Concen: 2.218 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.06 min

Lab File: VF061350.D

Acq: 10 Jan 2019 18:11

Tgt Ion: 84 Resp: 3405

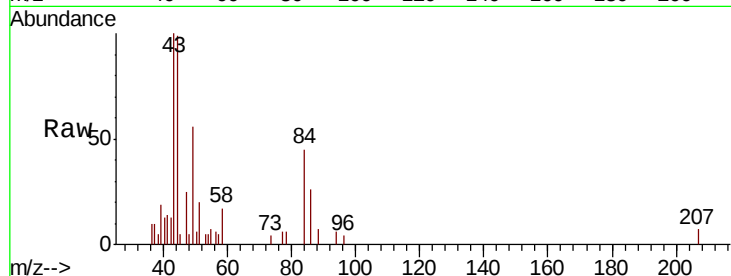
Ion Ratio Lower Upper

84 100

49 124.9 116.6 175.0

51 43.6 37.7 56.5

86 57.2 49.8 74.8

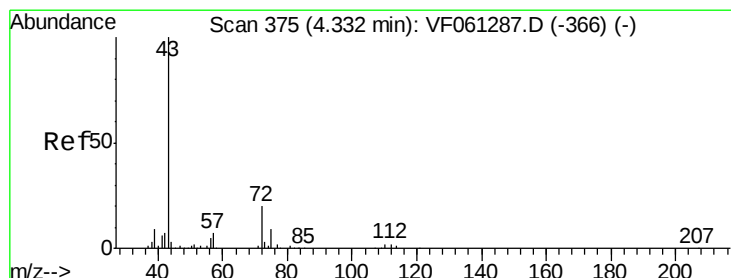
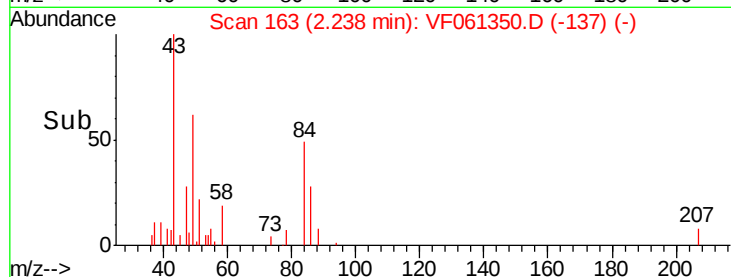
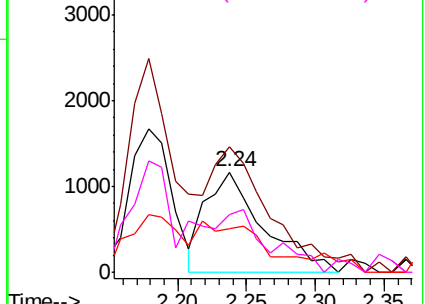


Abundance Ion 84.00 (83.70 to 84.70): VF0

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



#25

2-Butanone

Concen: 1.355 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.02 min

Lab File: VF061350.D

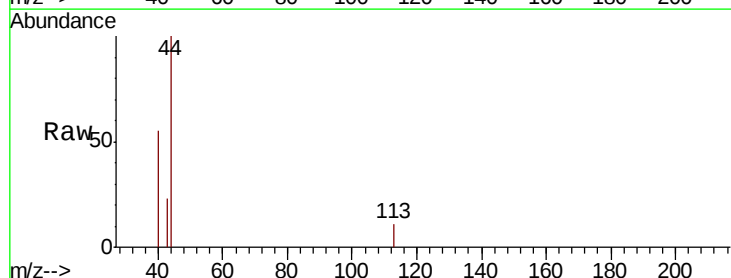
Acq: 10 Jan 2019 18:11

Tgt Ion: 43 Resp: 791

Ion Ratio Lower Upper

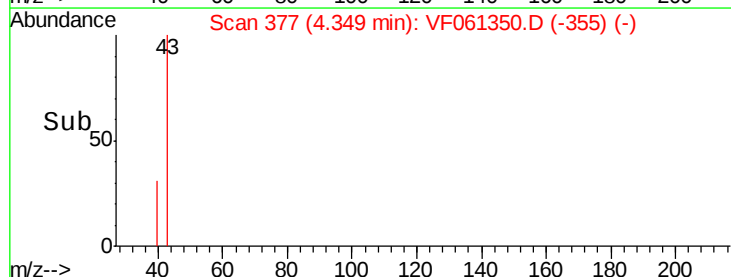
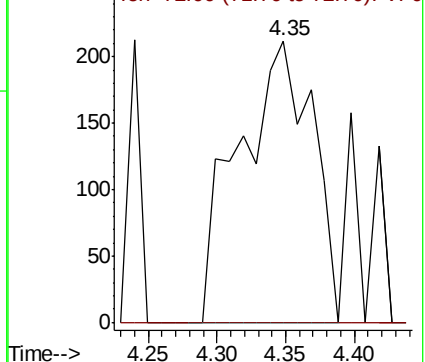
43 100

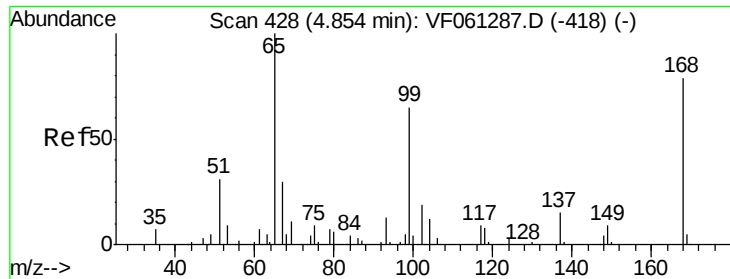
72 0.0 16.5 24.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

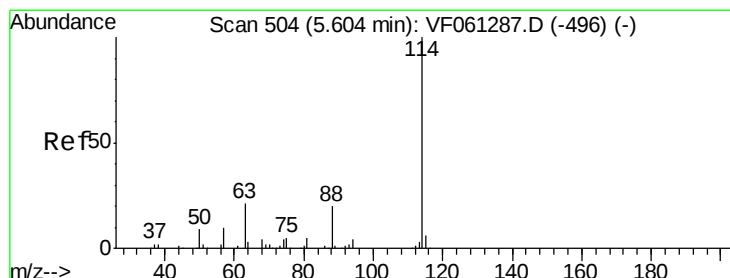
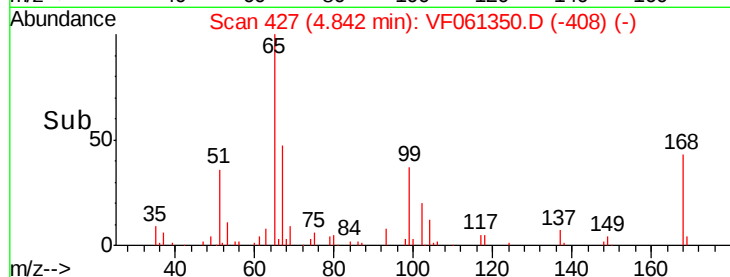
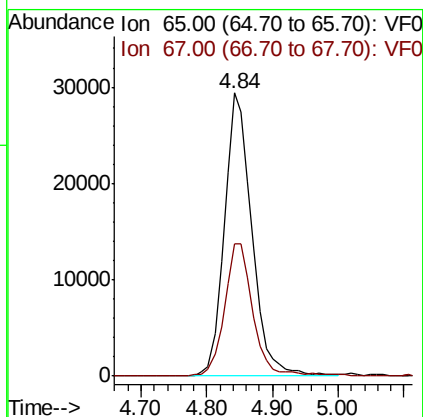
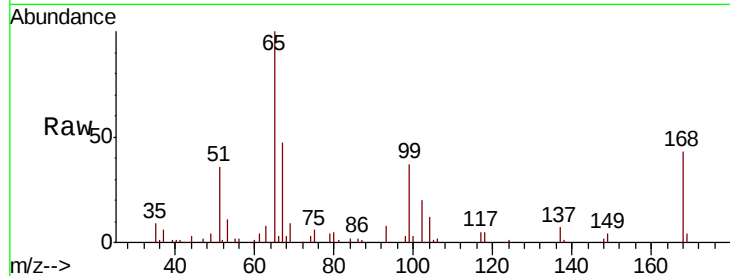
Ion 72.00 (71.70 to 72.70): VF0





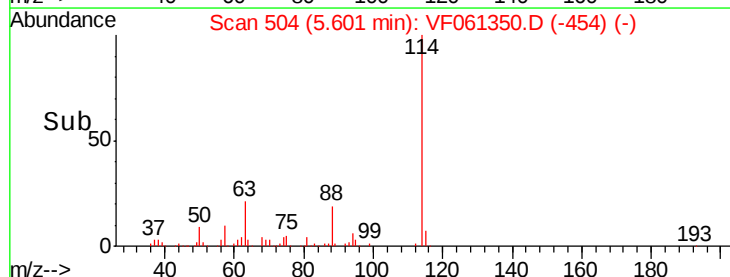
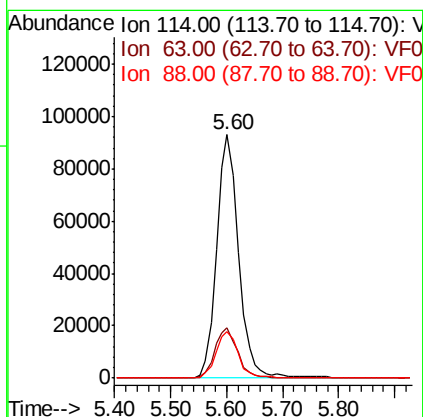
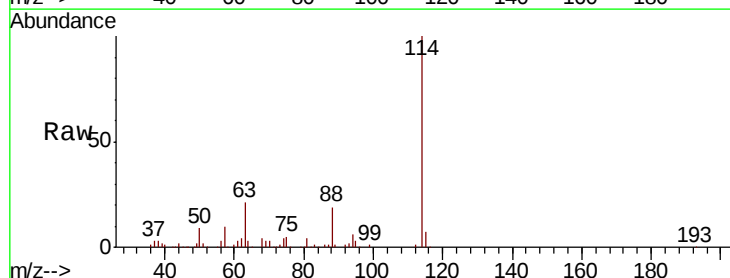
#33
 1,2-Dichloroethane-d4
 Concen: 55.111 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: VF061350.D
 Acq: 10 Jan 2019 18:11

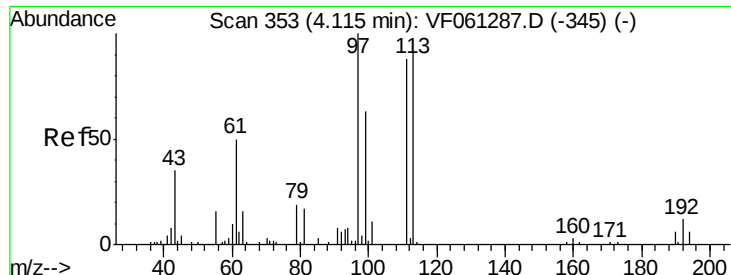
Tgt Ion: 65 Resp: 85958
 Ion Ratio Lower Upper
 65 100
 67 46.7 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VF061350.D
 Acq: 10 Jan 2019 18:11

Tgt Ion: 114 Resp: 255749
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.8
 88 18.9 0.0 40.0





#35

Dibromofluoromethane

Concen: 47.637 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061350.D

Acq: 10 Jan 2019 18:11

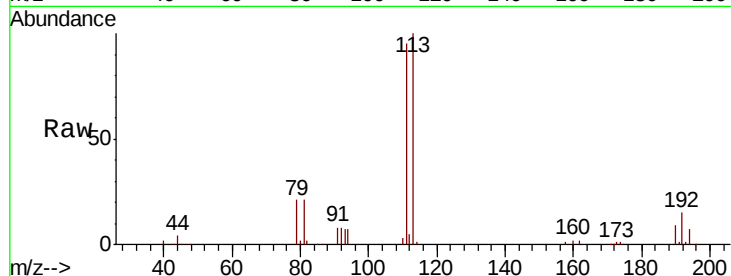
Tgt Ion: 113 Resp: 93221

Ion Ratio Lower Upper

113 100

111 95.3 78.0 117.0

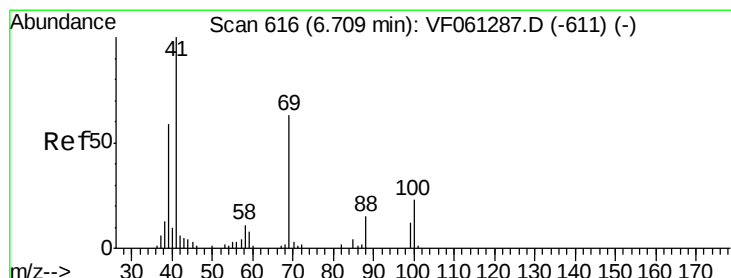
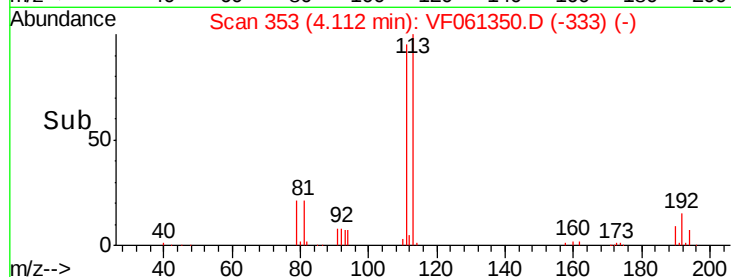
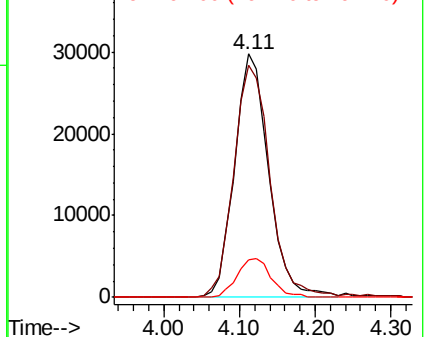
192 15.5 10.6 16.0



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



#49

1,4-Dioxane

Concen: 11.903 ug/l

RT: 6.53 min Scan# 598

Delta R.T. -0.18 min

Lab File: VF061350.D

Acq: 10 Jan 2019 18:11

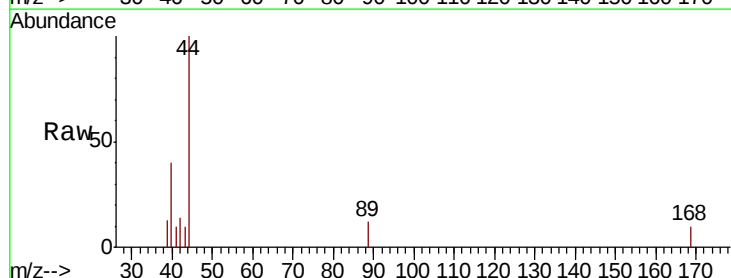
Tgt Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

43 85.7 38.5 57.7#

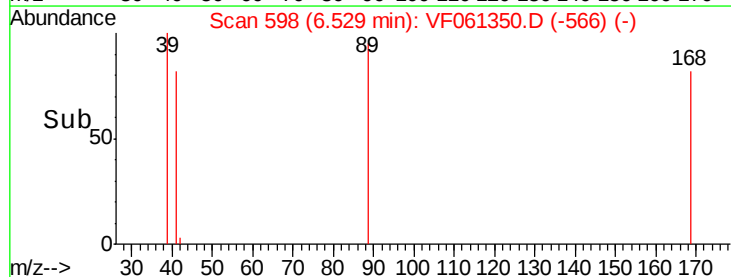
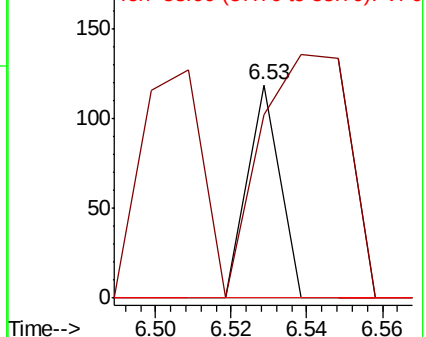
58 0.0 57.0 85.4#

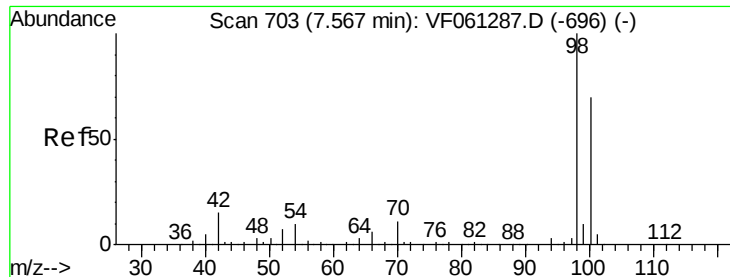


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 43.978 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061350.D

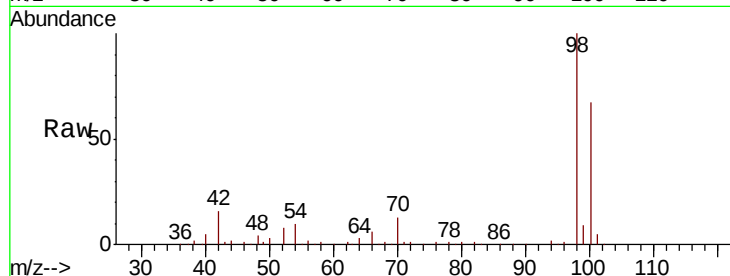
Acq: 10 Jan 2019 18:11

Tgt Ion: 98 Resp: 254674

Ion Ratio Lower Upper

98 100

100 66.9 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.55

120000

100000

80000

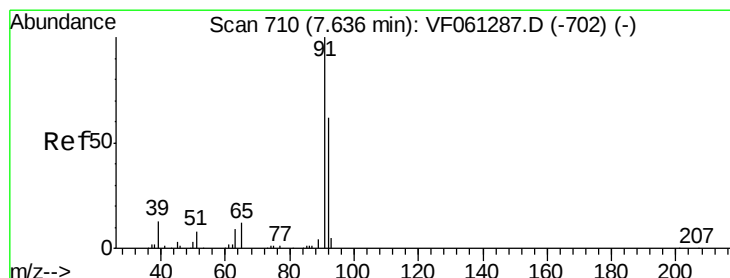
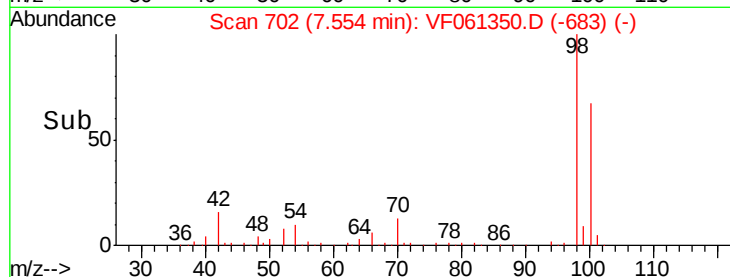
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 1.192 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.01 min

Lab File: VF061350.D

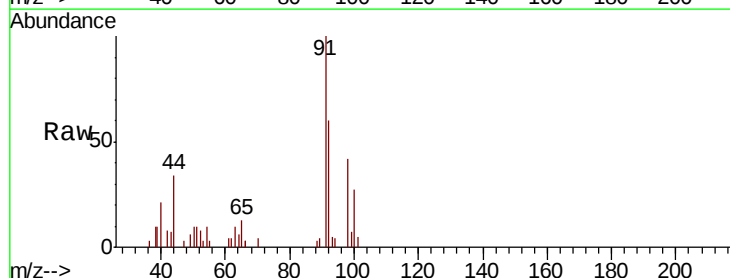
Acq: 10 Jan 2019 18:11

Tgt Ion: 92 Resp: 5344

Ion Ratio Lower Upper

92 100

91 165.3 129.2 193.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.62

4000

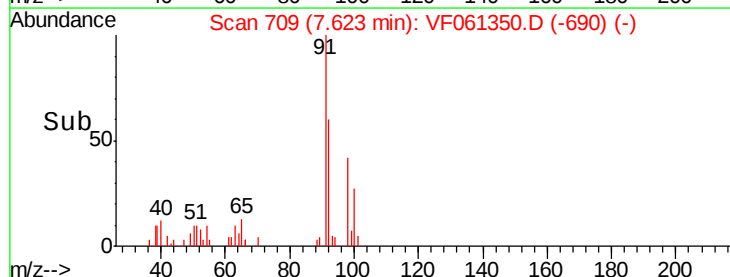
3000

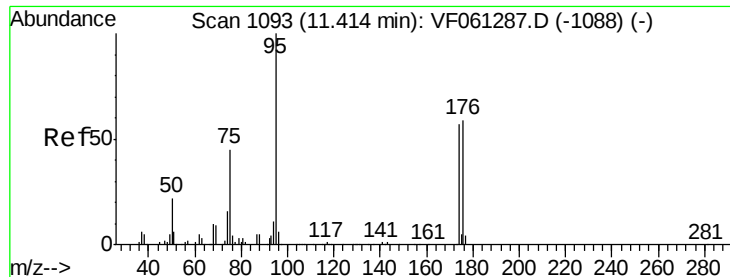
2000

1000

0

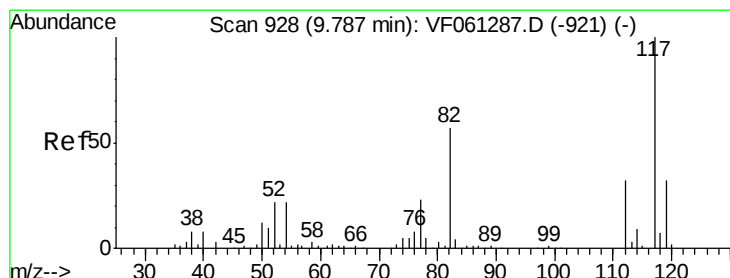
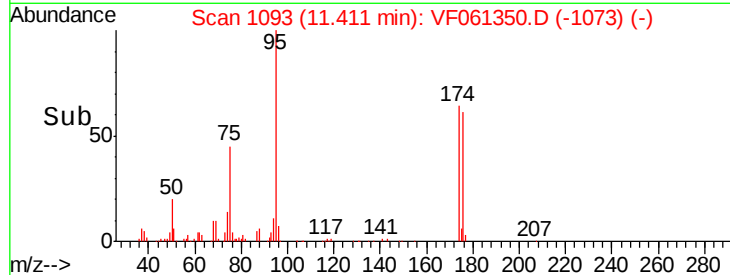
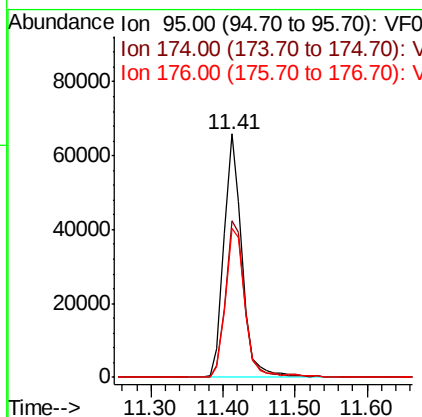
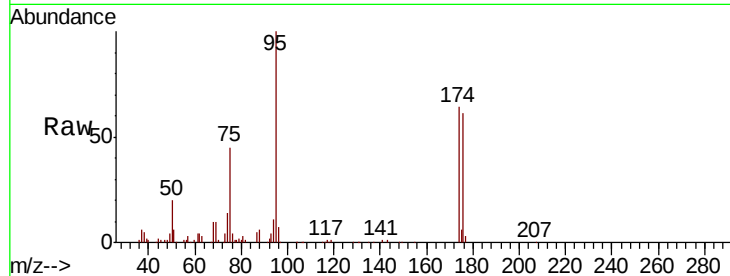
Time-->





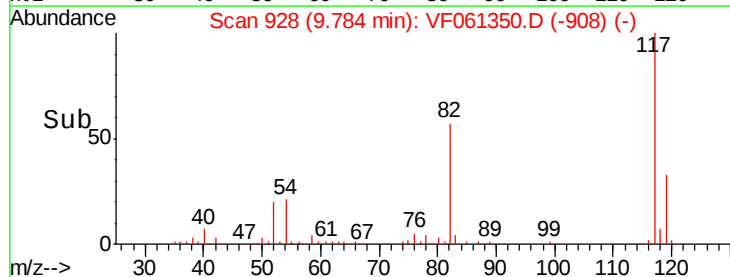
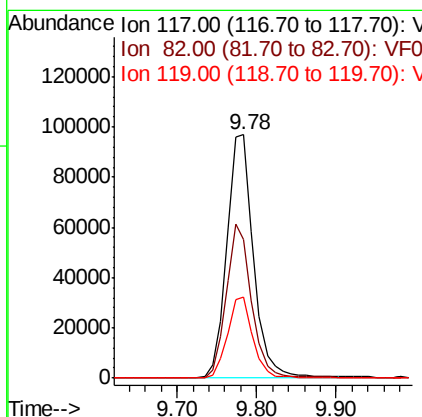
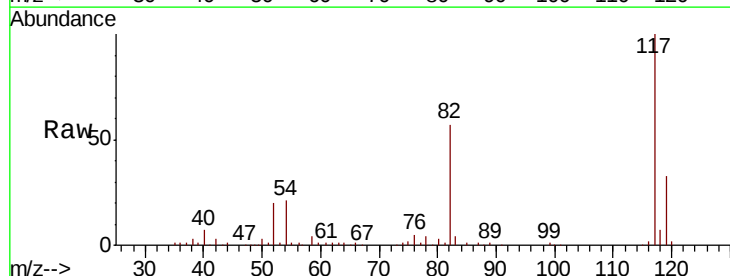
#62
4-Bromofluorobenzene
Concen: 45.430 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VF061350.D
Acq: 10 Jan 2019 18:11

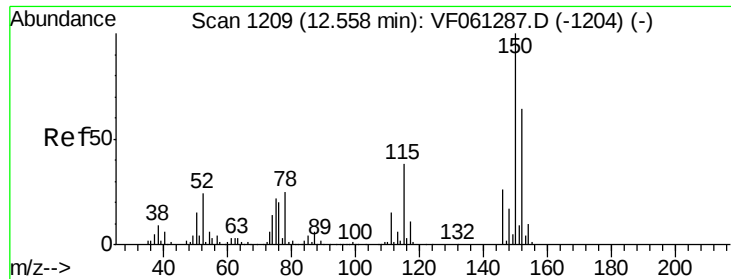
Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.2	0.0	114.2
176	61.3	0.0	117.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF061350.D
Acq: 10 Jan 2019 18:11

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.3	67.9
119	33.3	25.4	38.0

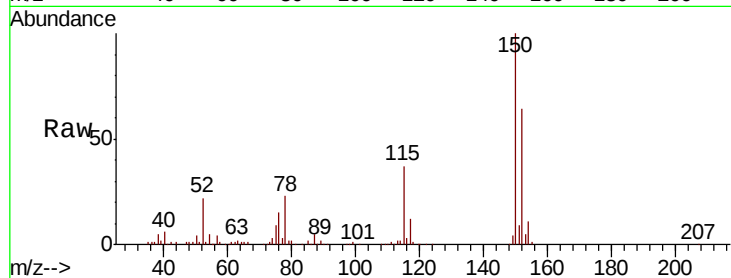




#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.56 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: VF061350.D
 Acq: 10 Jan 2019 18:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.6	88.9
150	156.8	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

