

Data Path : Z:\HPCHEM1\MSVOA_F\DATA\VF011019\
 Data File : VF061357.D
 Acq On : 10 Jan 2019 21:33
 Operator : VA/AP
 Sample : K1005-03
 Misc : 6.49g/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

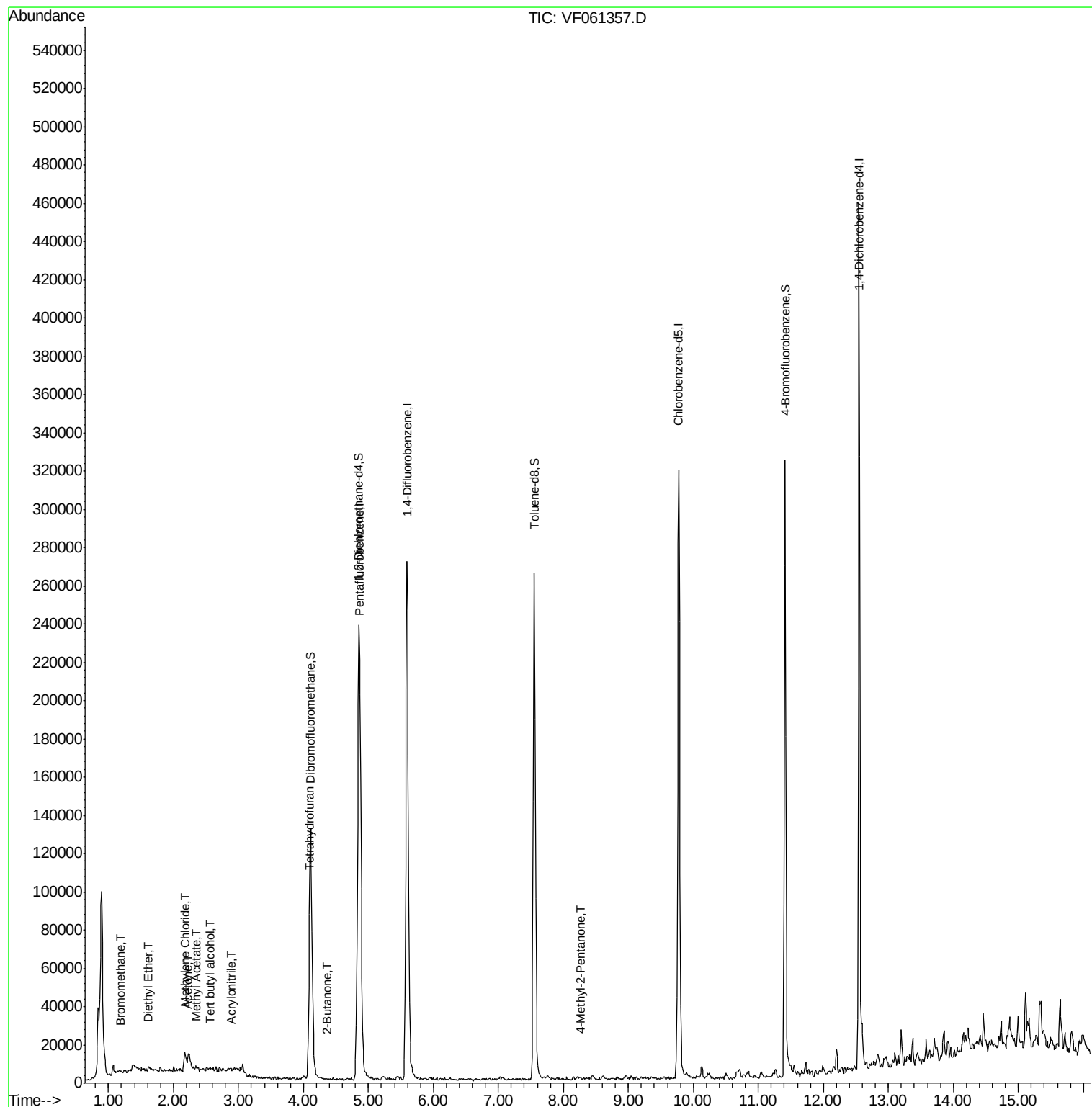
Quant Time: Jan 11 00:33:31 2019
 Quant Method : Z:\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

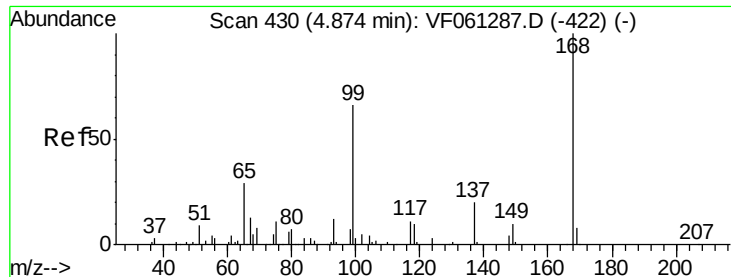
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	165525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	305457	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	233268	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	109284	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	124973	67.83	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	135.66%	
35) Dibromofluoromethane	4.11	113	128144	54.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.66%	
50) Toluene-d8	7.56	98	228467	33.03	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	66.06%	
62) 4-Bromofluorobenzene	11.41	95	126561	41.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.82%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.18	94	481	3.127	ug/l	88
8) Diethyl Ether	1.63	74	714	1.180	ug/l	96
11) Tert butyl alcohol	2.56	59	444	6.019	ug/l #	21
13) Acrolein	2.00	56	162	Below Cal	#	70
15) Acrylonitrile	2.90	53	781	2.987	ug/l #	12
16) Acetone	2.24	43	7856	18.330	ug/l #	81
18) Methyl Acetate	2.35	43	2952	3.501	ug/l #	84
20) Methylene Chloride	2.18	84	4134	2.280	ug/l	86
25) 2-Butanone	4.36	43	1168	1.693	ug/l #	56
29) Tetrahydrofuran	4.08	42	488	1.692	ug/l #	46
51) 4-Methyl-2-Pentanone	8.28	43	1515	1.170	ug/l #	76

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

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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: VF061357.D

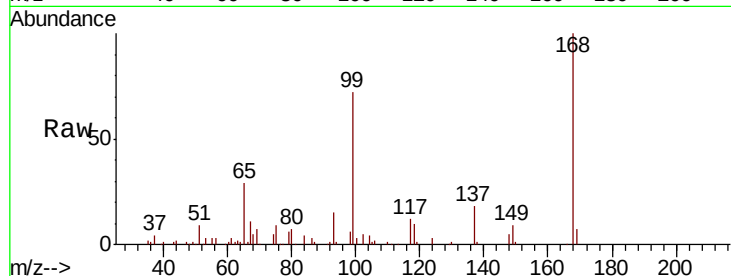
Acq: 10 Jan 2019 21:33

Tgt Ion: 168 Resp: 165525

Ion Ratio Lower Upper

168 100

99 72.3 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

50000

40000

30000

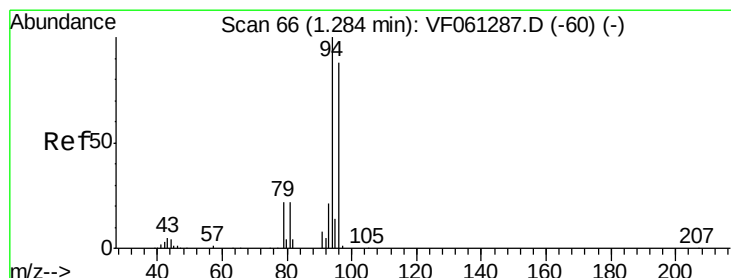
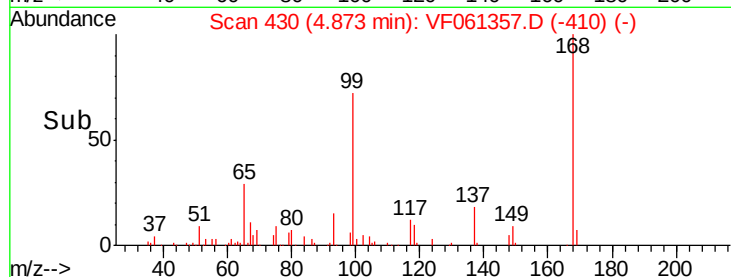
20000

10000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#5

Bromomethane

Concen: 3.127 ug/l

RT: 1.18 min Scan# 56

Delta R.T. -0.10 min

Lab File: VF061357.D

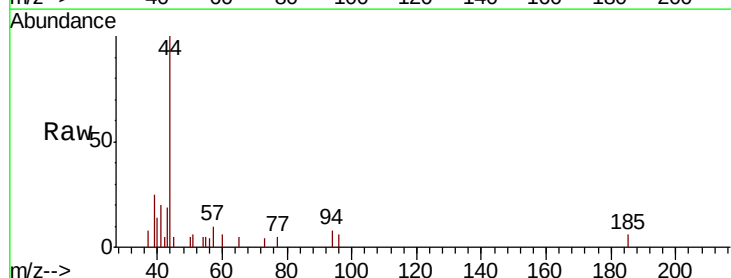
Acq: 10 Jan 2019 21:33

Tgt Ion: 94 Resp: 481

Ion Ratio Lower Upper

94 100

96 76.7 70.2 105.4



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.18

250

200

150

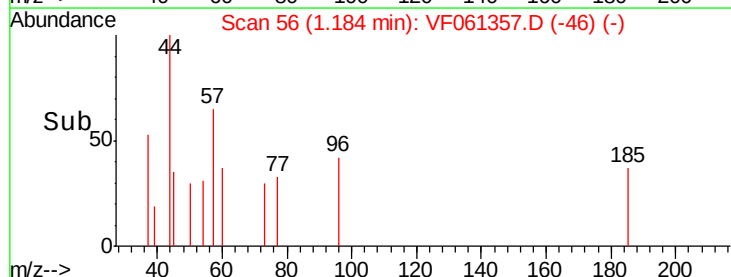
100

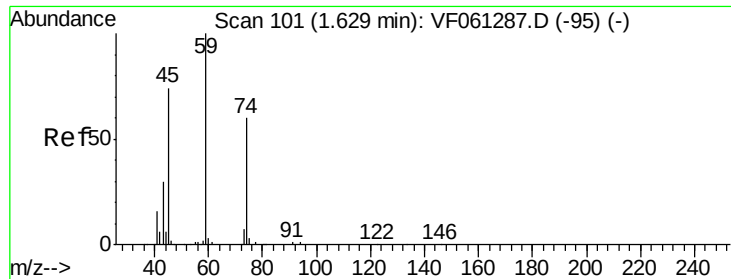
50

0

Time-->

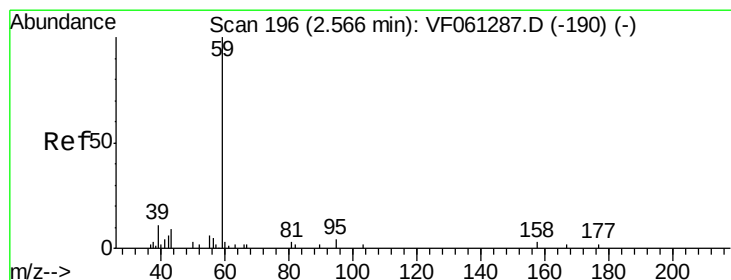
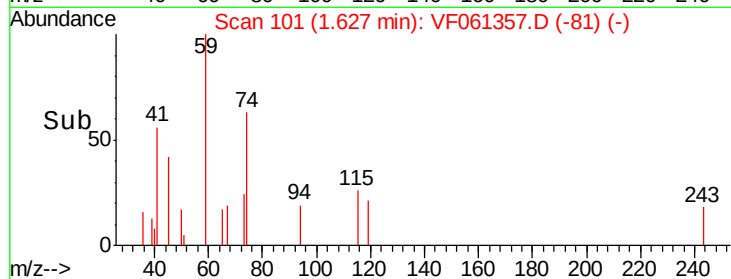
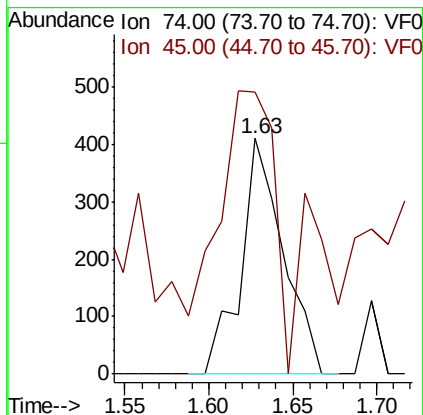
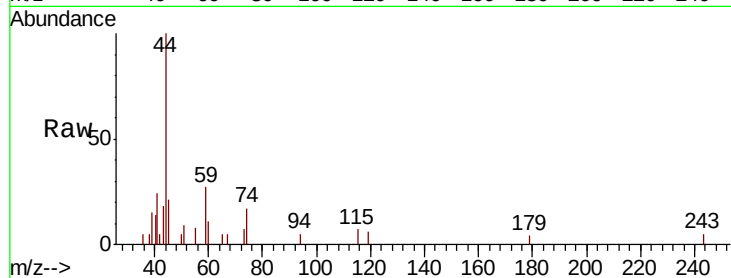
1.15 1.20 1.25





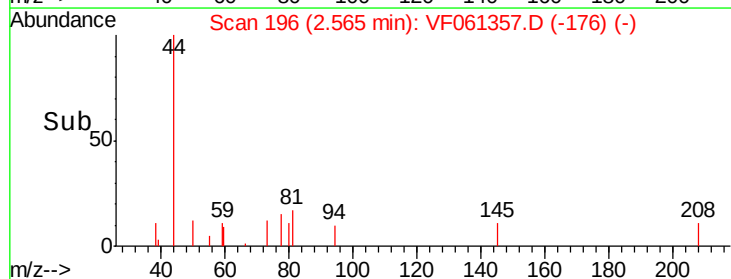
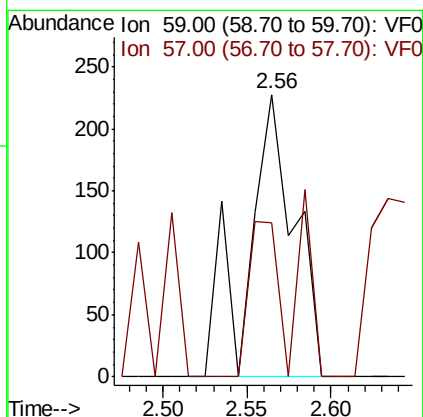
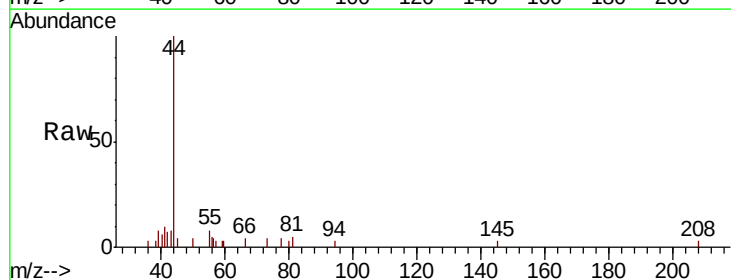
#8
Diethyl Ether
Concen: 1.180 ug/l
RT: 1.63 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF061357.D
Acq: 10 Jan 2019 21:33

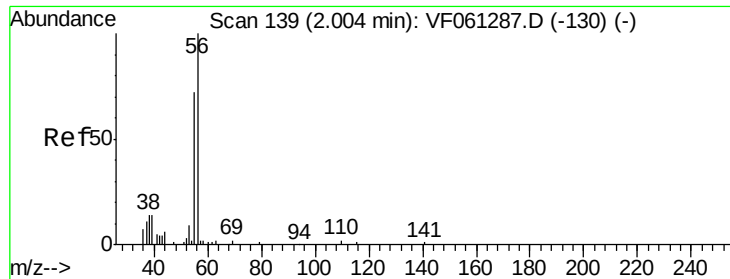
Tgt Ion: 74 Resp: 714
Ion Ratio Lower Upper
74 100
45 119.5 62.1 186.3



#11
Tert butyl alcohol
Concen: 6.019 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF061357.D
Acq: 10 Jan 2019 21:33

Tgt Ion: 59 Resp: 444
Ion Ratio Lower Upper
59 100
57 54.4 15.1 22.7#





#13

Acrolein

Concen: Below Cal

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF061357.D

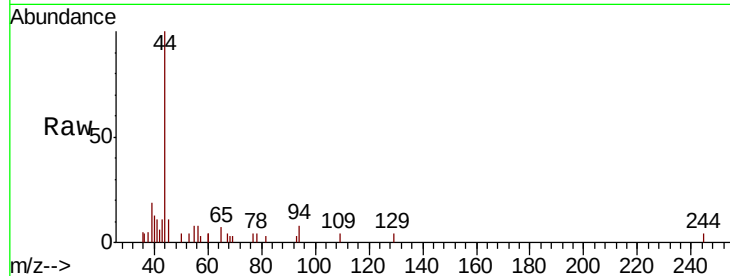
Acq: 10 Jan 2019 21:33

Tgt Ion: 56 Resp: 162

Ion Ratio Lower Upper

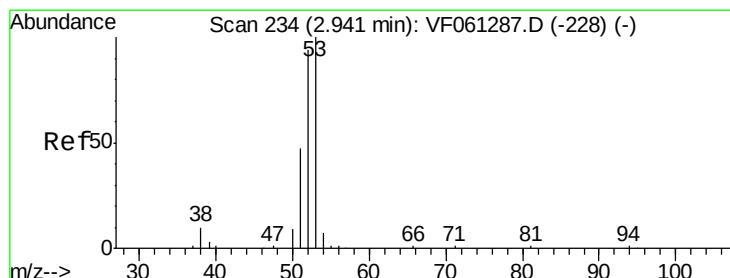
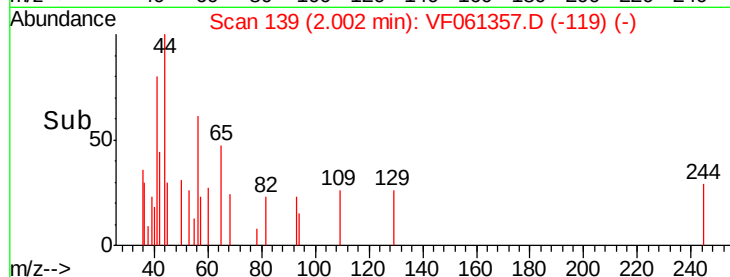
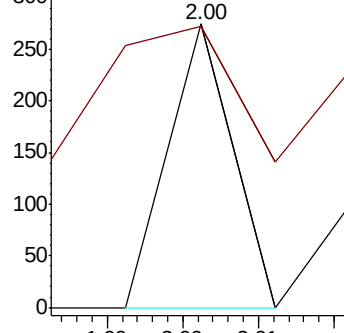
56 100

55 99.3 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: 2.987 ug/l

RT: 2.90 min Scan# 230

Delta R.T. -0.04 min

Lab File: VF061357.D

Acq: 10 Jan 2019 21:33

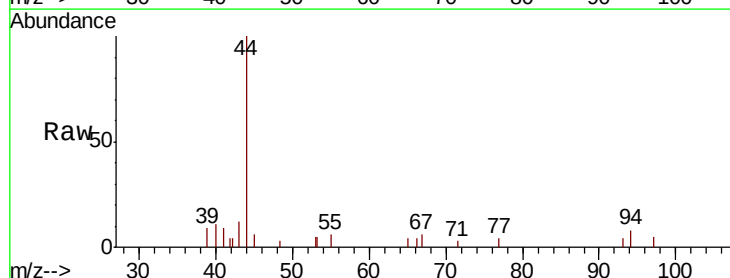
Tgt Ion: 53 Resp: 781

Ion Ratio Lower Upper

53 100

52 0.0 74.6 111.8#

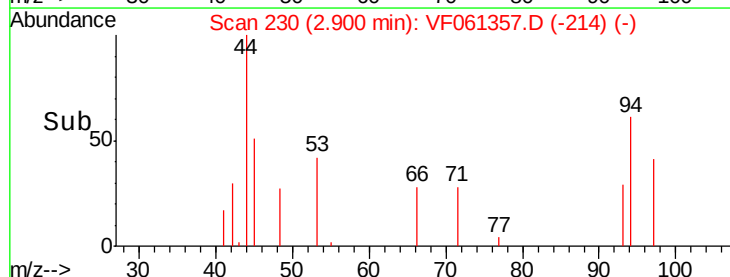
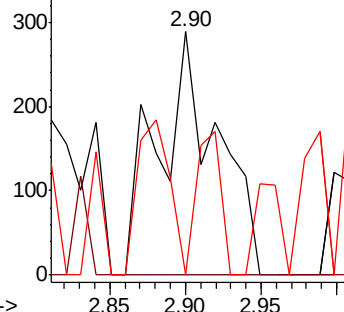
51 0.0 37.8 56.6#

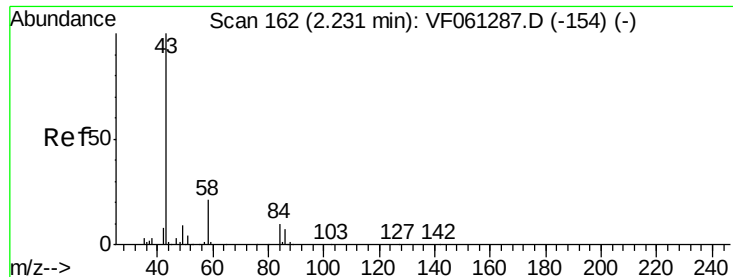


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 18.330 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061357.D

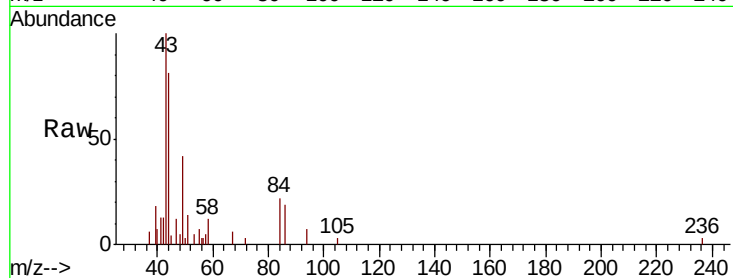
Acq: 10 Jan 2019 21:33

Tgt Ion: 43 Resp: 7856

Ion Ratio Lower Upper

43 100

58 11.9 16.6 25.0#

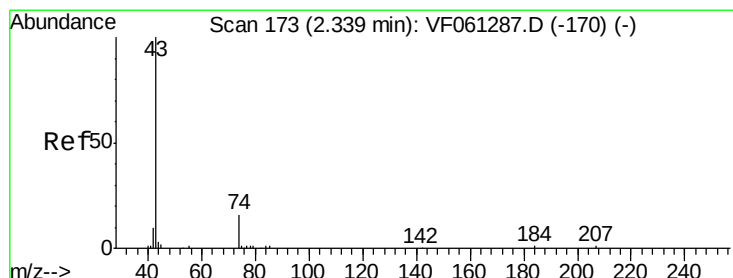
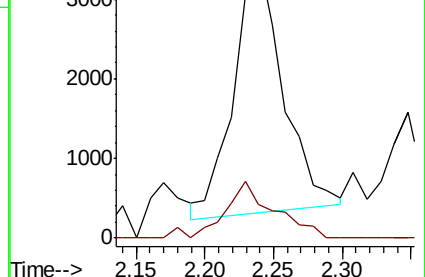
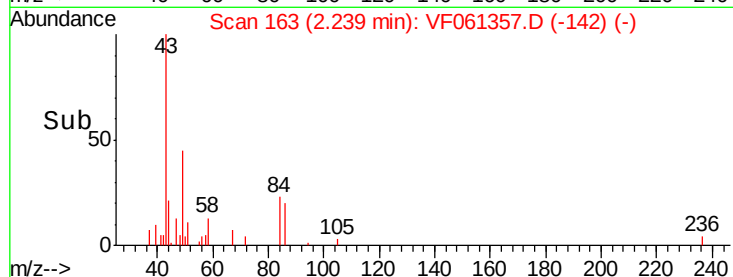


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.24

Time-->



#18

Methyl Acetate

Concen: 3.501 ug/l

RT: 2.35 min Scan# 174

Delta R.T. 0.01 min

Lab File: VF061357.D

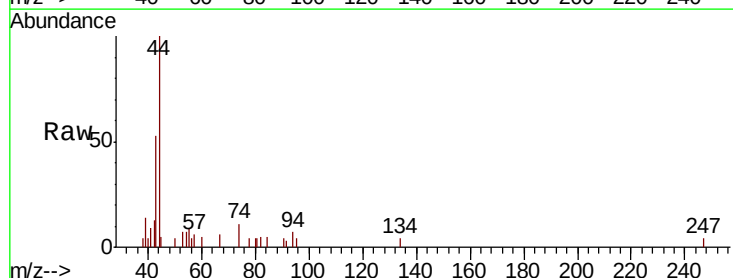
Acq: 10 Jan 2019 21:33

Tgt Ion: 43 Resp: 2952

Ion Ratio Lower Upper

43 100

74 21.0 11.6 17.4#

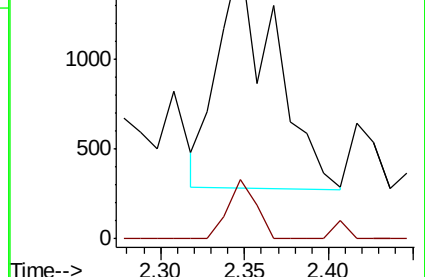
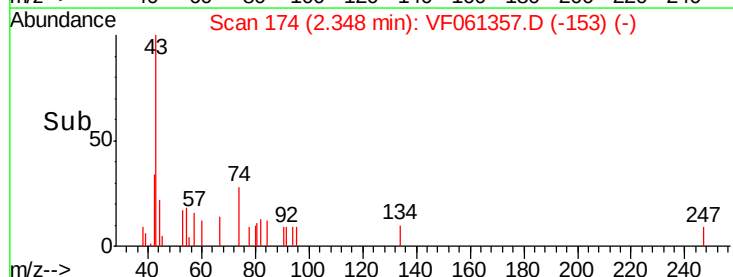


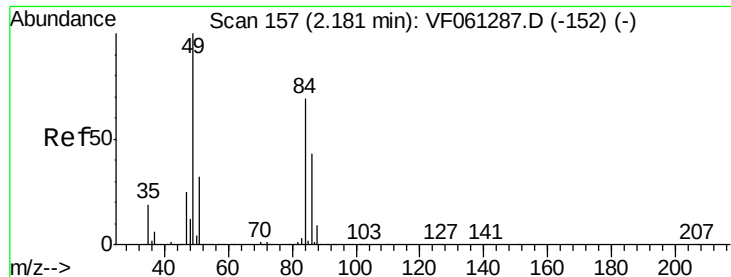
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2.35

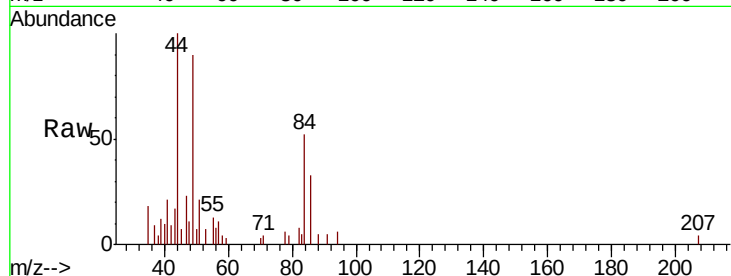
Time-->



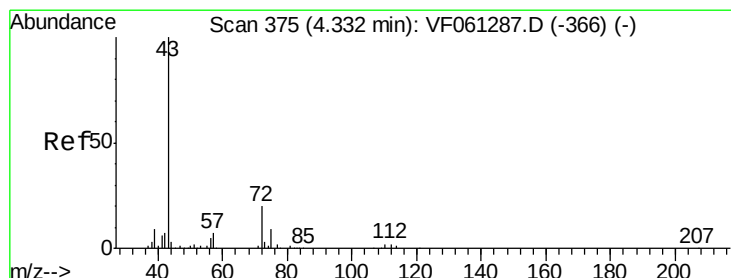
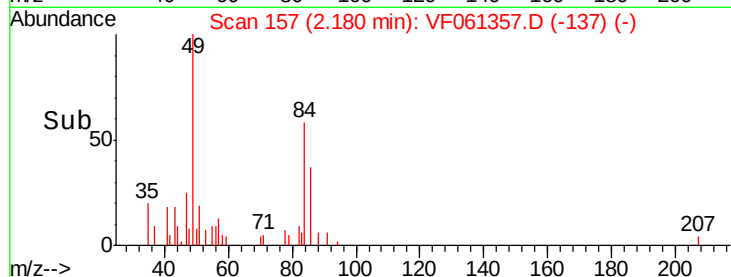
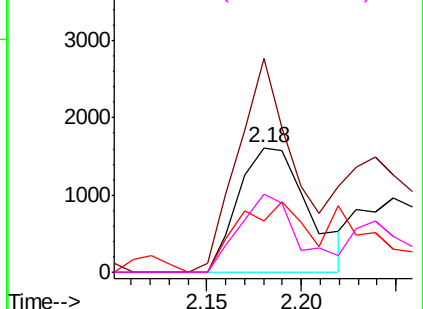


#20
Methylene Chloride
Concen: 2.280 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF061357.D
Acq: 10 Jan 2019 21:33

Tgt Ion:	84	Resp:	4134
Ion	Ratio	Lower	Upper
84	100		
49	172.0	116.6	175.0
51	40.9	37.7	56.5
86	62.9	49.8	74.8

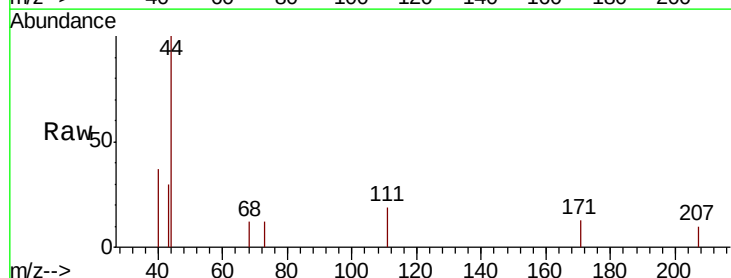


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

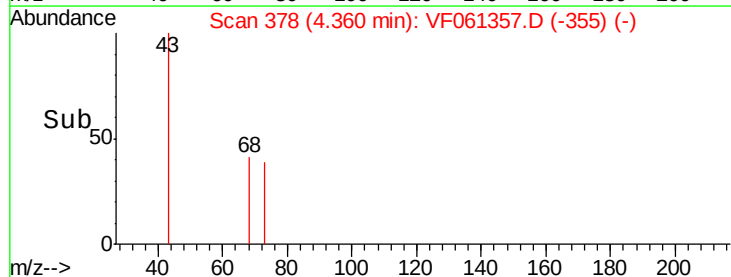
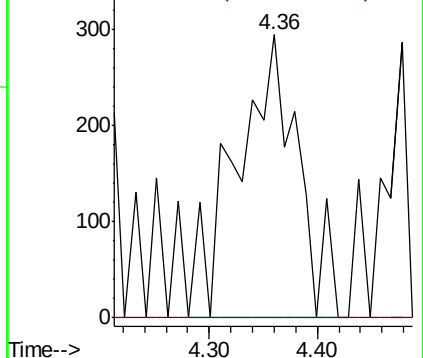


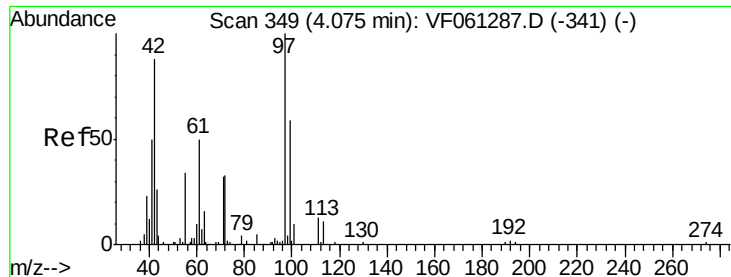
#25
2-Butanone
Concen: 1.693 ug/l
RT: 4.36 min Scan# 378
Delta R.T. 0.03 min
Lab File: VF061357.D
Acq: 10 Jan 2019 21:33

Tgt Ion:	43	Resp:	1168
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





#29

Tetrahydrofuran

Concen: 1.692 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.01 min

Lab File: VF061357.D

Acq: 10 Jan 2019 21:33

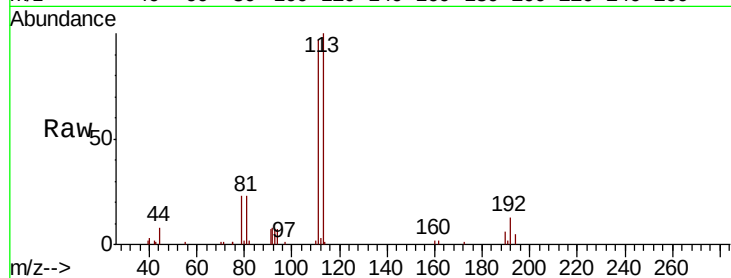
Tgt Ion: 42 Resp: 488

Ion Ratio Lower Upper

42 100

72 0.0 32.3 48.5#

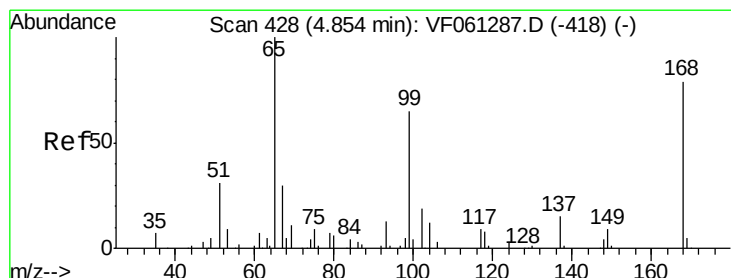
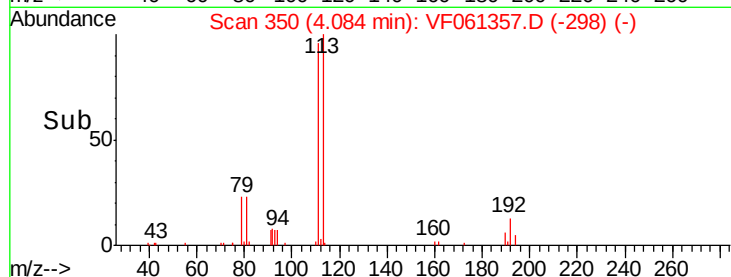
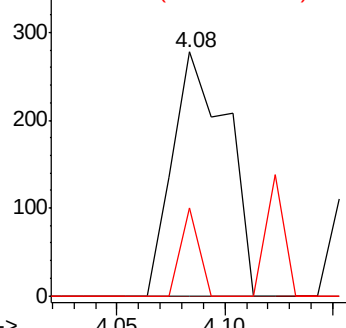
71 12.1 29.5 44.3#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 67.832 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.01 min

Lab File: VF061357.D

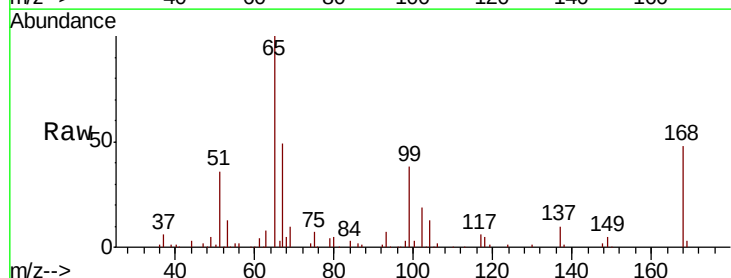
Acq: 10 Jan 2019 21:33

Tgt Ion: 65 Resp: 124973

Ion Ratio Lower Upper

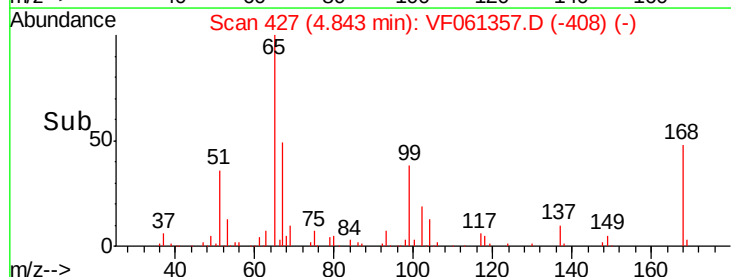
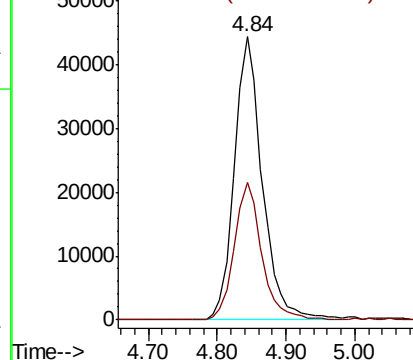
65 100

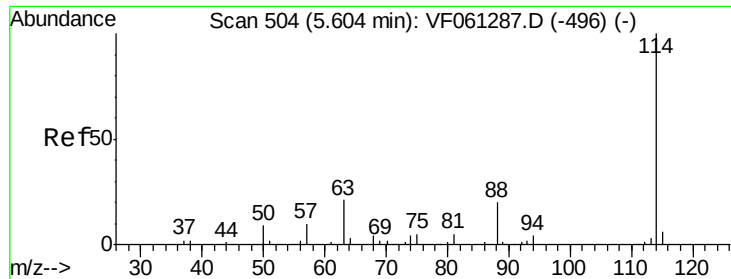
67 48.7 0.0 98.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

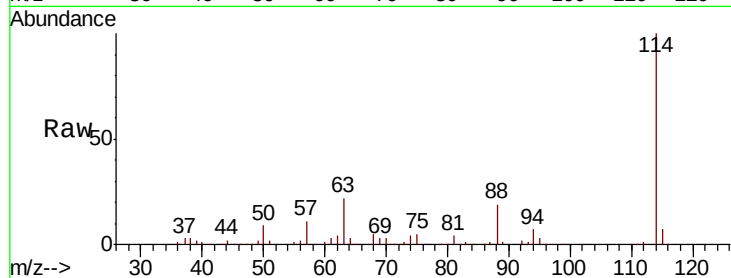
Ion 67.00 (66.70 to 67.70): VF0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.59 min Scan# 503
Delta R.T. -0.01 min
Lab File: VF061357.D
Acq: 10 Jan 2019 21:33

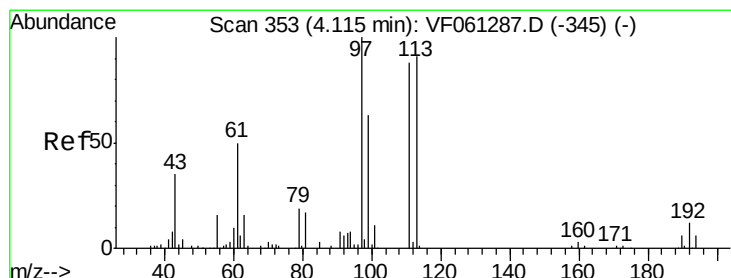
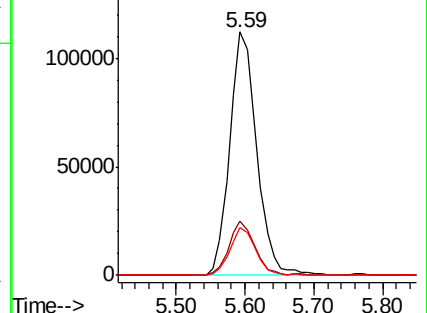
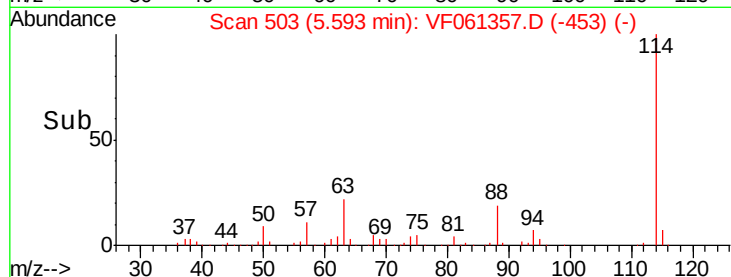
Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	42.8
88	19.4	0.0	40.0



Abundance Ion 114.00 (113.70 to 114.70): V

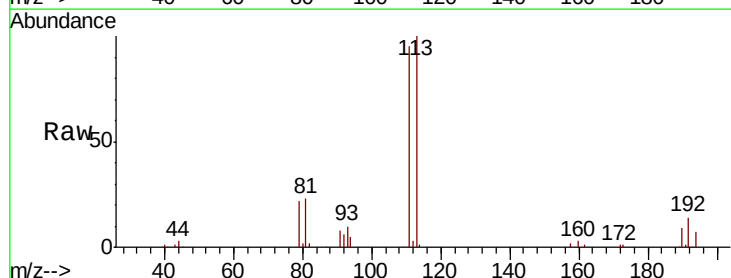
Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35
Dibromofluoromethane
Concen: 54.827 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF061357.D
Acq: 10 Jan 2019 21:33

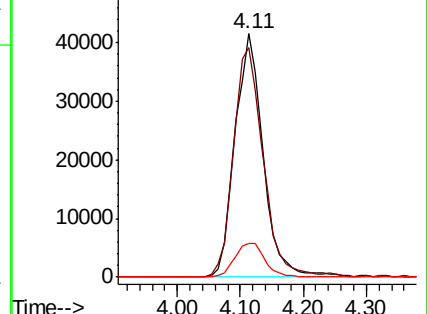
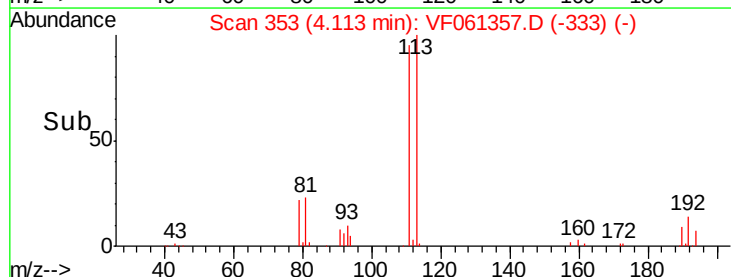
Tgt Ion	Ratio	Lower	Upper
113	100		
111	94.5	78.0	117.0
192	13.7	10.6	16.0

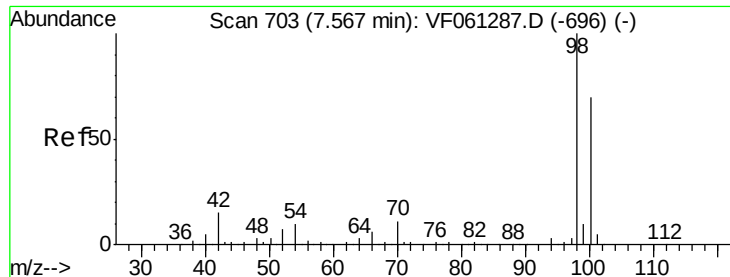


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 33.032 ug/l

RT: 7.56 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061357.D

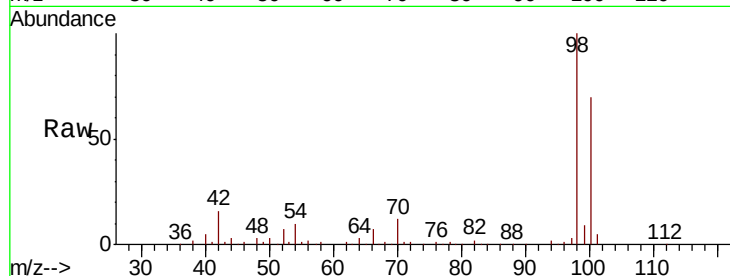
Acq: 10 Jan 2019 21:33

Tgt Ion: 98 Resp: 228467

Ion Ratio Lower Upper

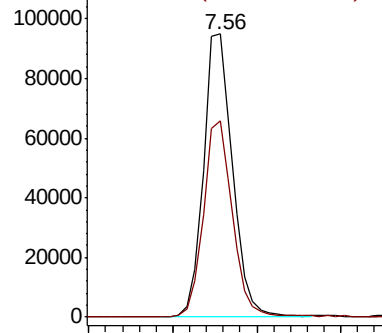
98 100

100 69.5 55.6 83.4

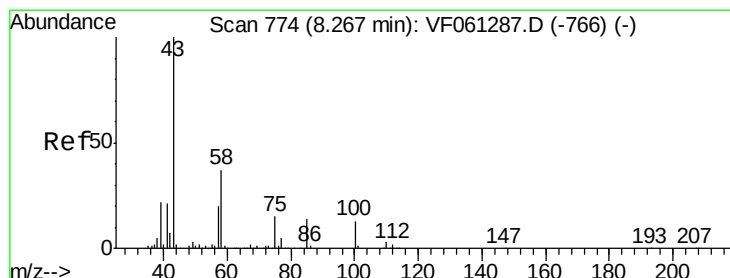
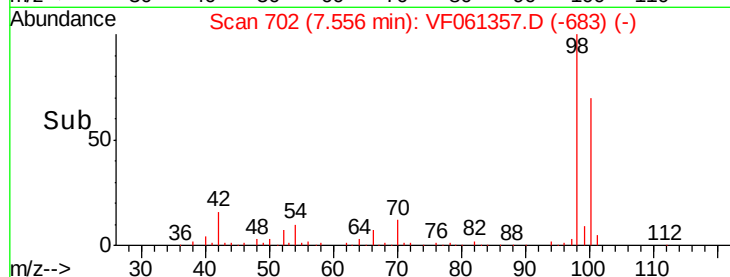


Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.170 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061357.D

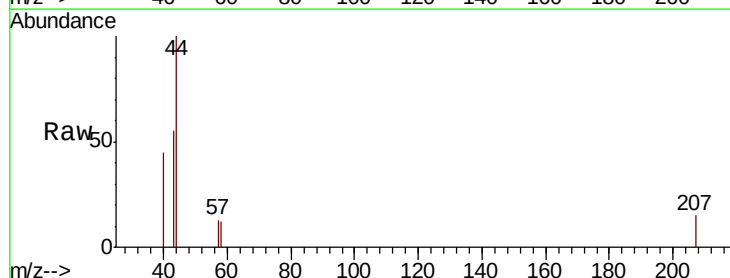
Acq: 10 Jan 2019 21:33

Tgt Ion: 43 Resp: 1515

Ion Ratio Lower Upper

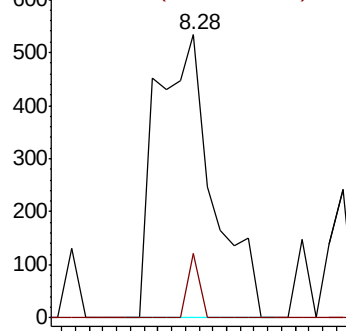
43 100

58 22.7 29.6 44.4#

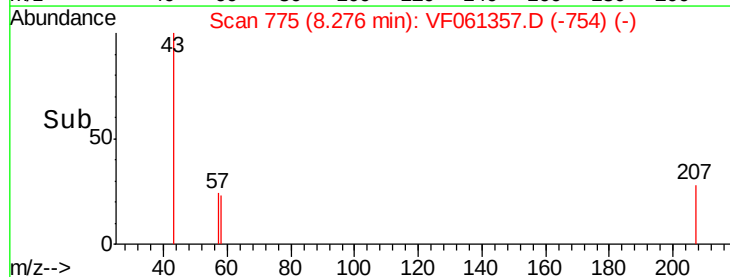


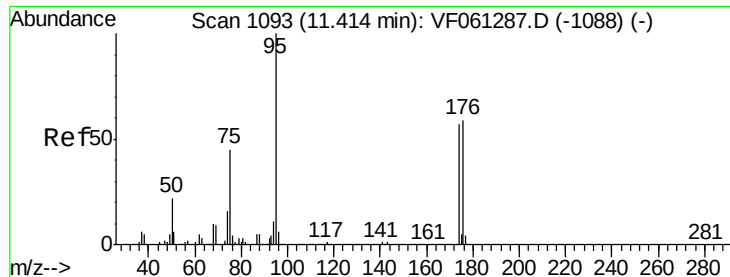
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->





#62

4-Bromofluorobenzene

Concen: 41.905 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061357.D

Acq: 10 Jan 2019 21:33

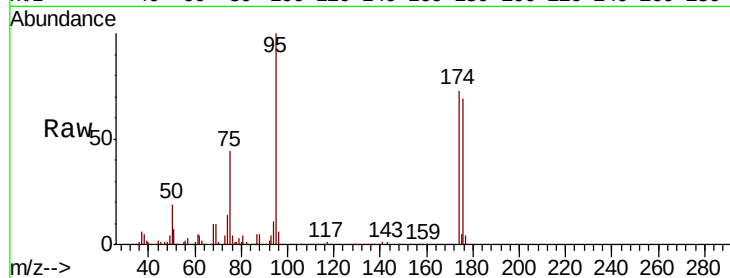
Tgt Ion: 95 Resp: 126561

Ion Ratio Lower Upper

95 100

174 72.7 0.0 114.2

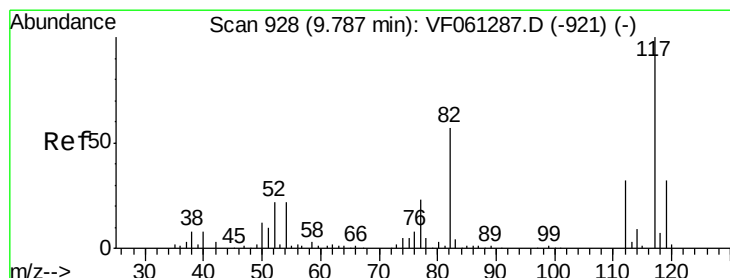
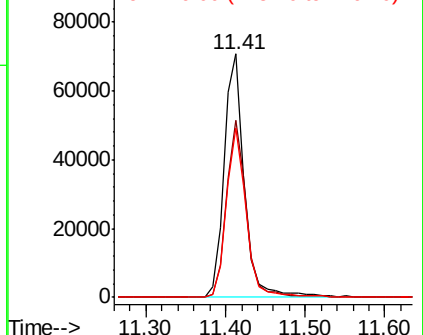
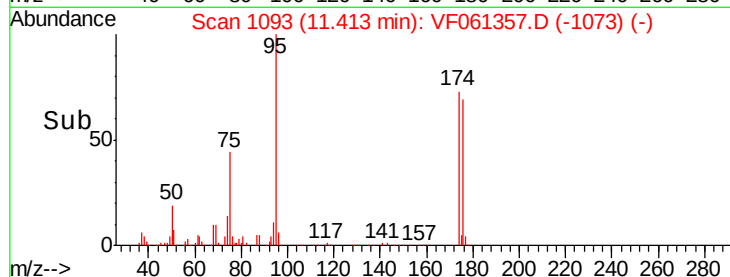
176 69.4 0.0 117.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 927

Delta R.T. -0.01 min

Lab File: VF061357.D

Acq: 10 Jan 2019 21:33

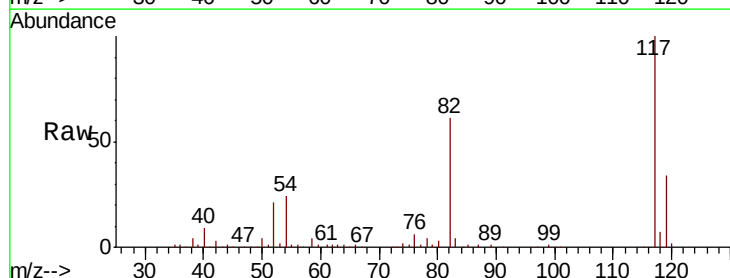
Tgt Ion: 117 Resp: 233268

Ion Ratio Lower Upper

117 100

82 60.6 45.3 67.9

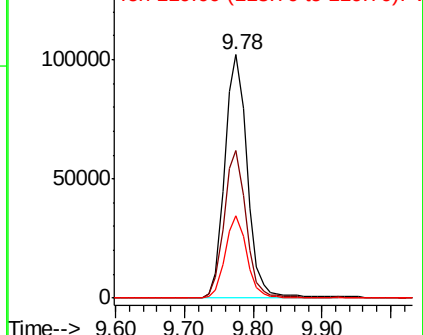
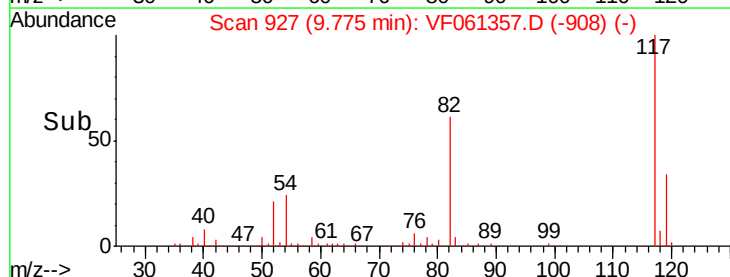
119 34.0 25.4 38.0

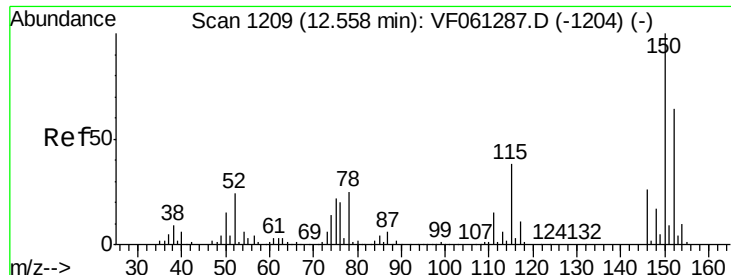


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

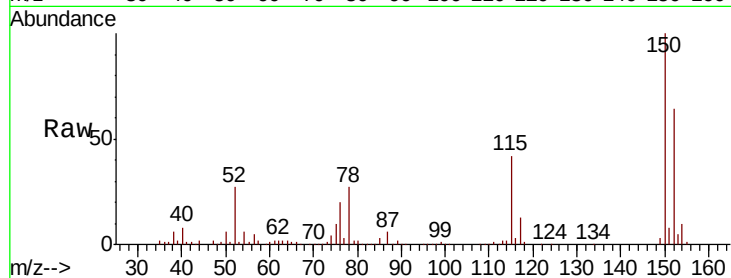
Ion 119.00 (118.70 to 119.70): VF0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.55 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: VF061357.D
 Acq: 10 Jan 2019 21:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.9	29.6	88.9
150	156.6	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

