

Data Path : Z:\HPCHEM1\MSVOA_F\DATA\VF011019\
 Data File : VF061356.D
 Acq On : 10 Jan 2019 21:04
 Operator : VA/AP
 Sample : K1005-01
 Misc : 7.70g/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

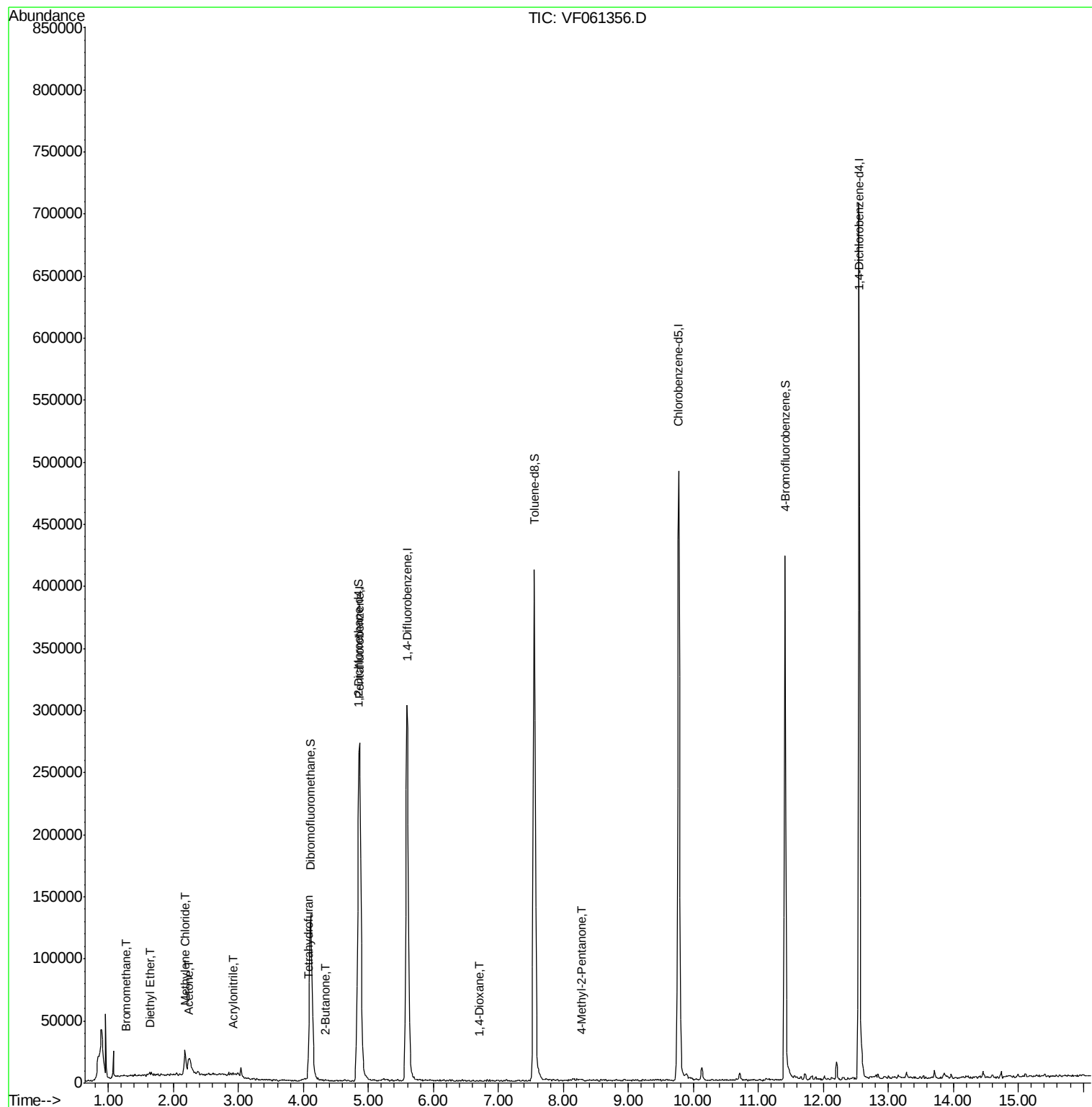
Quant Time: Jan 11 00:33:22 2019
 Quant Method : Z:\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

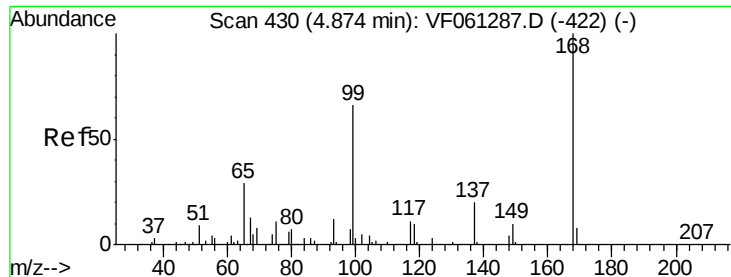
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	197177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	352463	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	350052	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	172370	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	123261	56.16	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	112.32%	
35) Dibromofluoromethane	4.11	113	130163	48.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.52%	
50) Toluene-d8	7.56	98	354582	44.43	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	88.86%	
62) 4-Bromofluorobenzene	11.41	95	169665	48.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.38%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.27	94	734	3.187	ug/l #	6
8) Diethyl Ether	1.64	74	736	1.021	ug/l	93
13) Acrolein	1.85	56	114	Below Cal		83
15) Acrylonitrile	2.93	53	435	1.396	ug/l #	12
16) Acetone	2.23	43	8617	16.878	ug/l #	90
20) Methylene Chloride	2.18	84	7343	3.400	ug/l	92
25) 2-Butanone	4.35	43	1107	1.347	ug/l #	56
29) Tetrahydrofuran	4.07	42	513	1.493	ug/l #	59
49) 1,4-Dioxane	6.72	88	78	9.624	ug/l #	20
51) 4-Methyl-2-Pentanone	8.28	43	1880	1.259	ug/l #	38

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

Data Path : Z:\HPCHEM1\MSV0A_F\DATA\VF011019\
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Operator : VA/AP
Sample : K1005-01
Misc : 7.70g/5mL/MSV0A-F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 11 00:33:22 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: VF061356.D

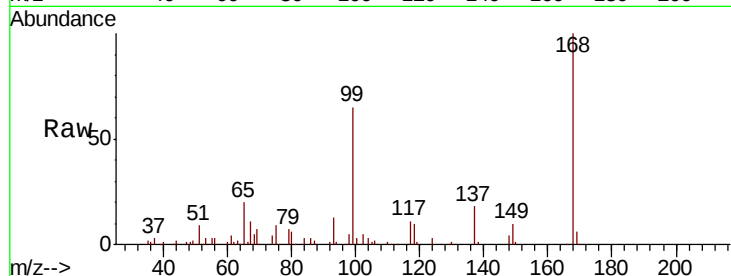
Acq: 10 Jan 2019 21:04

Tgt Ion: 168 Resp: 197177

Ion Ratio Lower Upper

168 100

99 64.7 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

60000

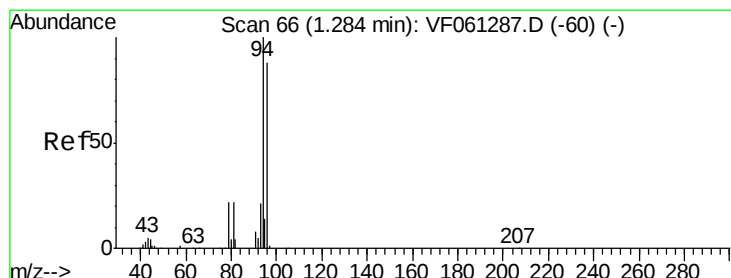
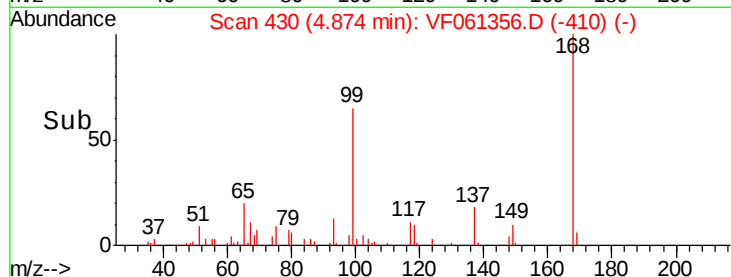
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#5

Bromomethane

Concen: 3.187 ug/l

RT: 1.27 min Scan# 65

Delta R.T. -0.01 min

Lab File: VF061356.D

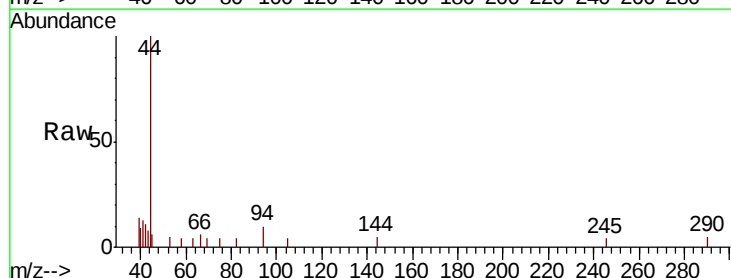
Acq: 10 Jan 2019 21:04

Tgt Ion: 94 Resp: 734

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

1.27

300

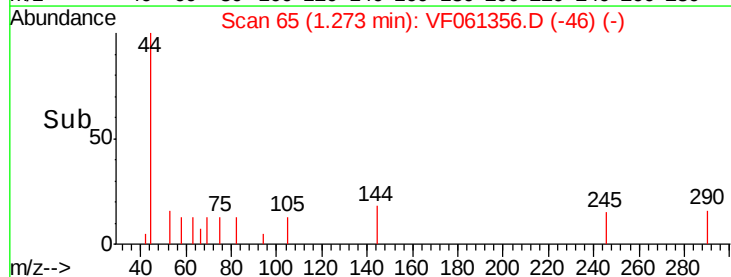
200

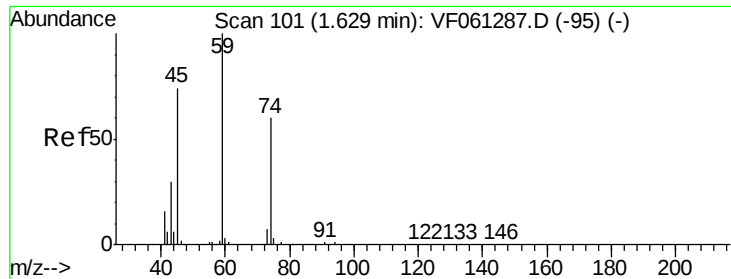
100

0

Time-->

1.20 1.25 1.30





#8

Diethyl Ether

Concen: 1.021 ug/l

RT: 1.64 min Scan# 102

Delta R.T. 0.01 min

Lab File: VF061356.D

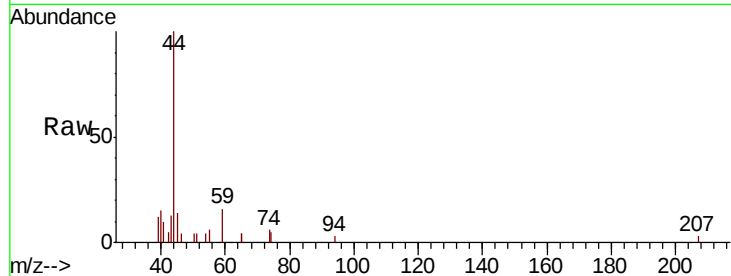
Acq: 10 Jan 2019 21:04

Tgt Ion: 74 Resp: 736

Ion Ratio Lower Upper

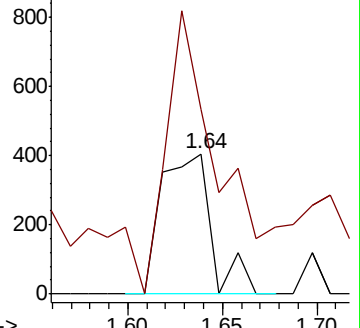
74 100

45 131.6 62.1 186.3

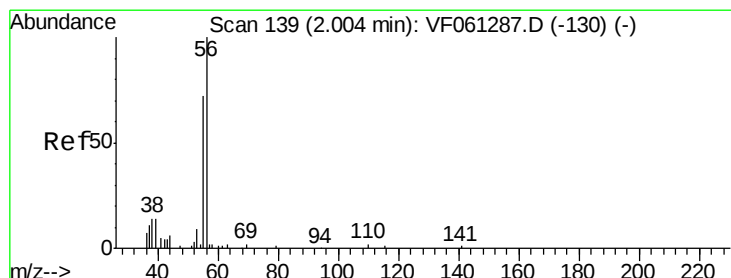
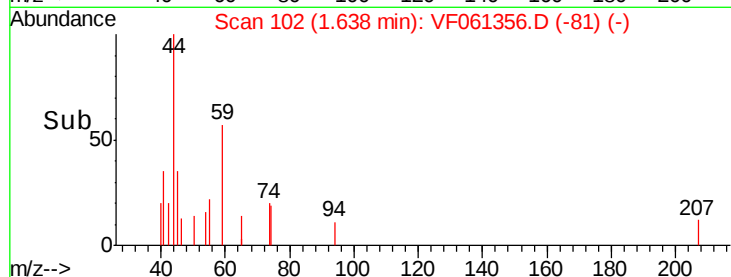


Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



Time-->



#13

Acrolein

Concen: Below Cal

RT: 1.85 min Scan# 123

Delta R.T. -0.16 min

Lab File: VF061356.D

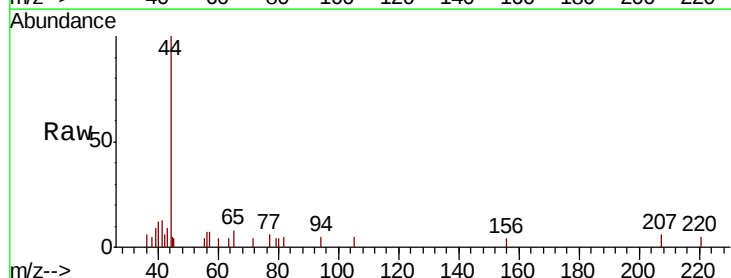
Acq: 10 Jan 2019 21:04

Tgt Ion: 56 Resp: 114

Ion Ratio Lower Upper

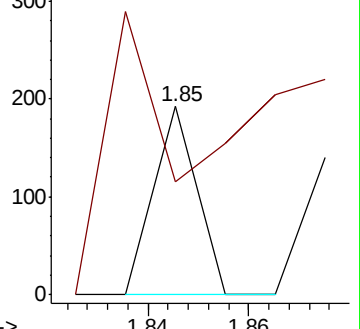
56 100

55 59.9 59.4 89.0

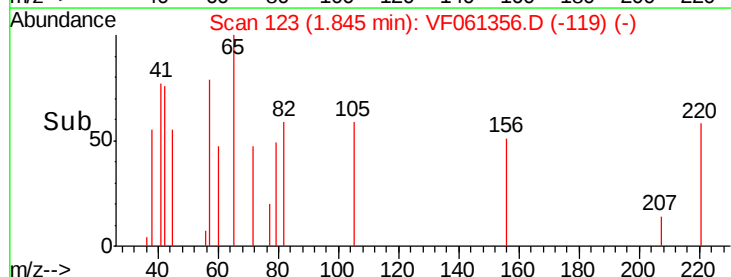


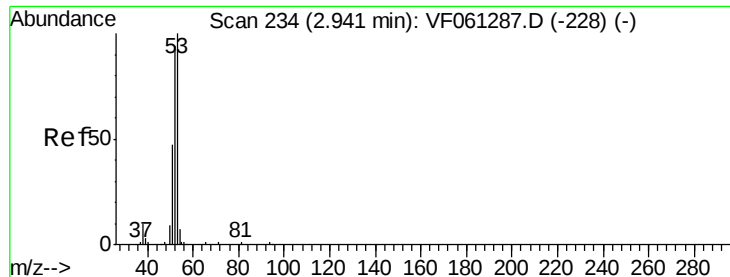
Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->





#15

Acrylonitrile

Concen: 1.396 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061356.D

Acq: 10 Jan 2019 21:04

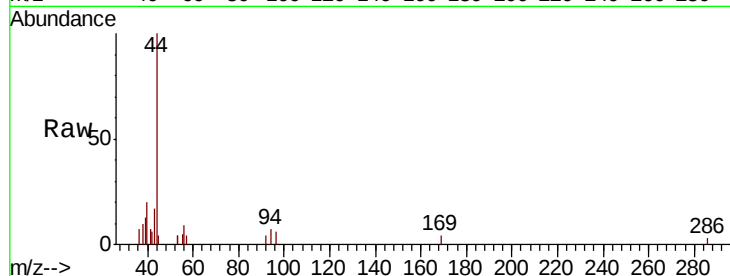
Tgt Ion: 53 Resp: 435

Ion Ratio Lower Upper

53 100

52 0.0 74.6 111.8#

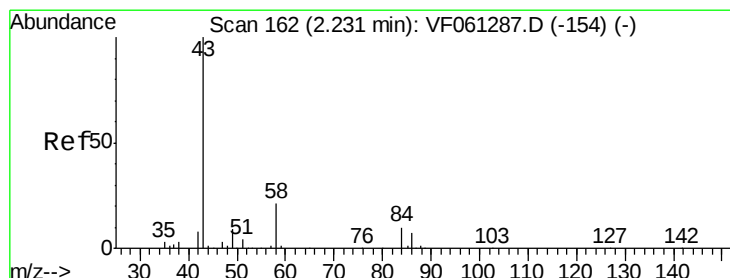
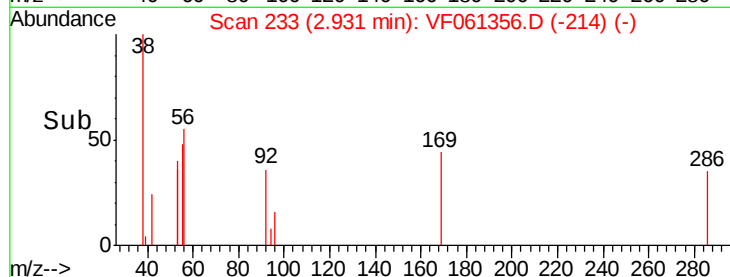
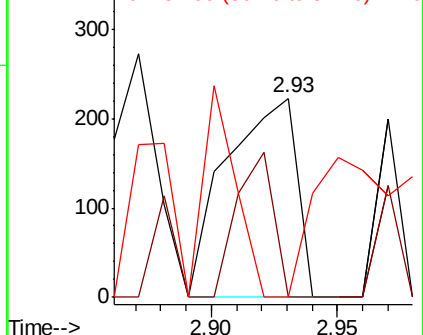
51 0.0 37.8 56.6#



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: 16.878 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.00 min

Lab File: VF061356.D

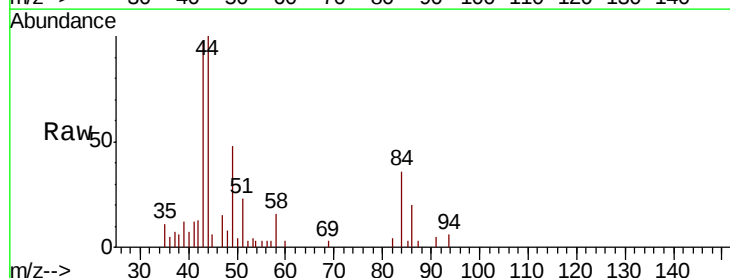
Acq: 10 Jan 2019 21:04

Tgt Ion: 43 Resp: 8617

Ion Ratio Lower Upper

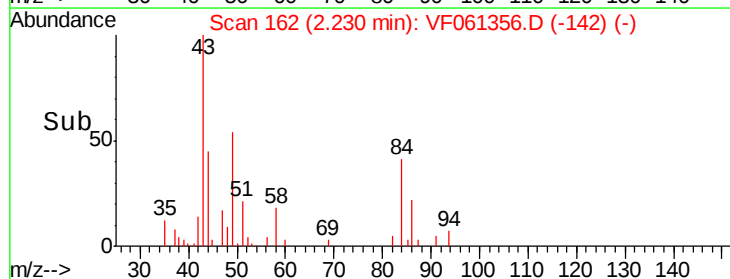
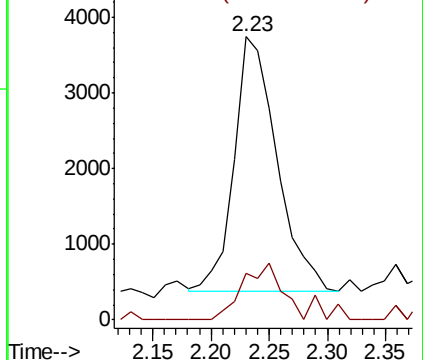
43 100

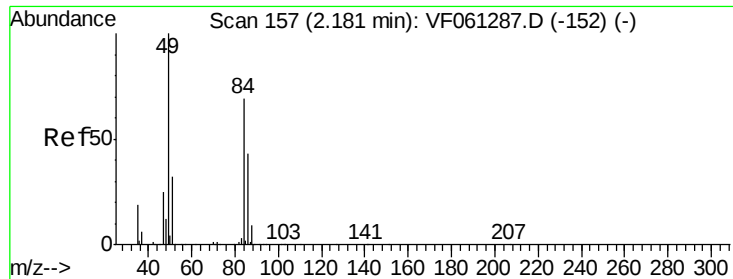
58 16.3 16.6 25.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#20

Methylene Chloride

Concen: 3.400 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF061356.D

Acq: 10 Jan 2019 21:04

Tgt Ion: 84 Resp: 7343

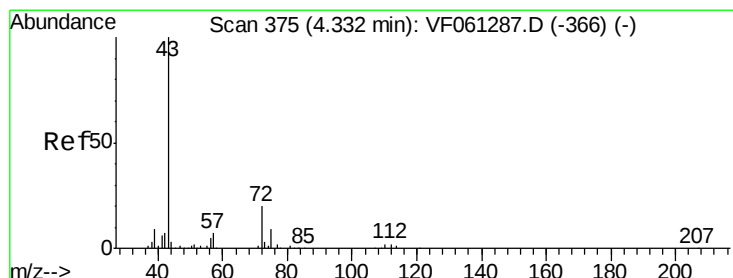
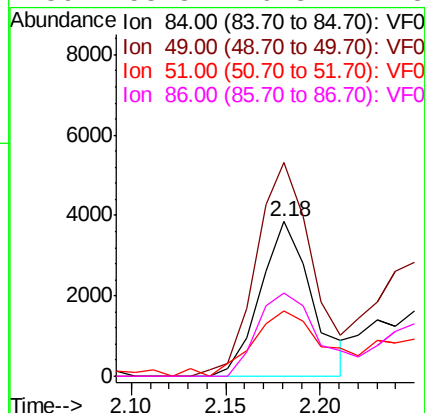
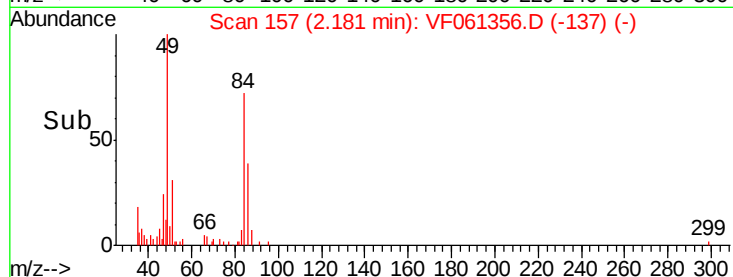
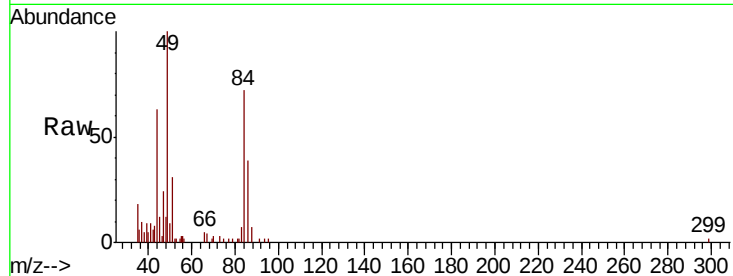
Ion	Ratio	Lower	Upper
84	100		
49	137.9	116.6	175.0
51	42.1	37.7	56.5
86	53.8	49.8	74.8

84 100

49 137.9 116.6 175.0

51 42.1 37.7 56.5

86 53.8 49.8 74.8



#25

2-Butanone

Concen: 1.347 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.02 min

Lab File: VF061356.D

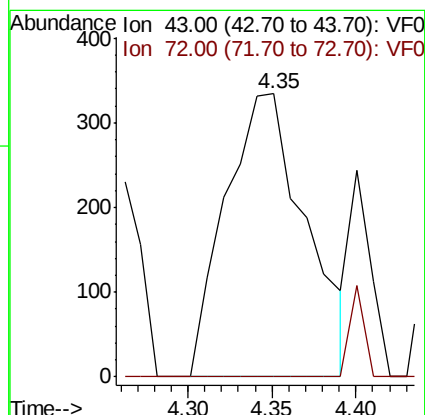
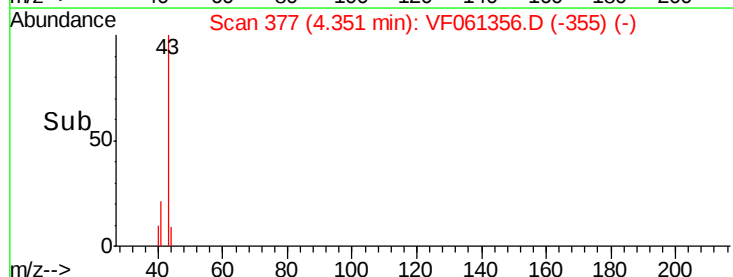
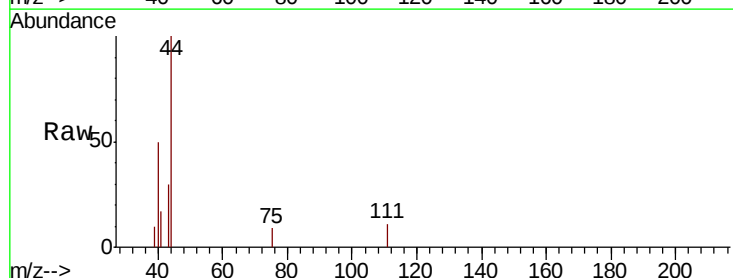
Acq: 10 Jan 2019 21:04

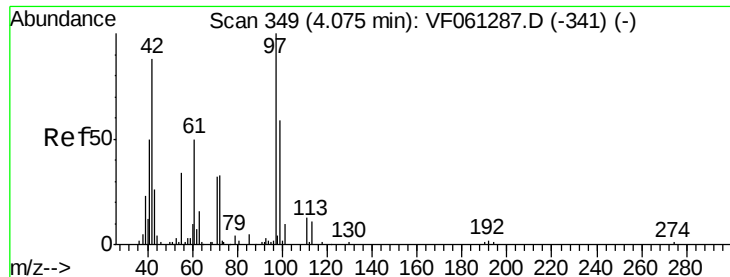
Tgt Ion: 43 Resp: 1107

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.5	24.7#

43 100

72 0.0 16.5 24.7#





#29

Tetrahydrofuran

Concen: 1.493 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.00 min

Lab File: VF061356.D

Acq: 10 Jan 2019 21:04

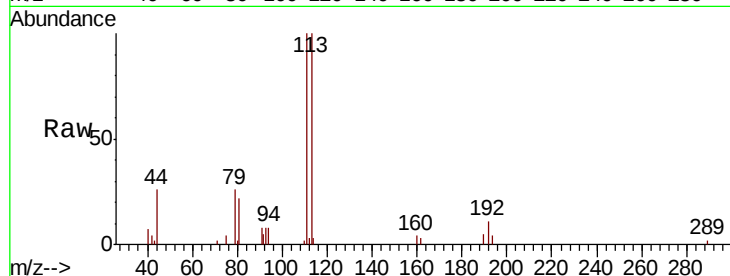
Tgt Ion: 42 Resp: 513

Ion Ratio Lower Upper

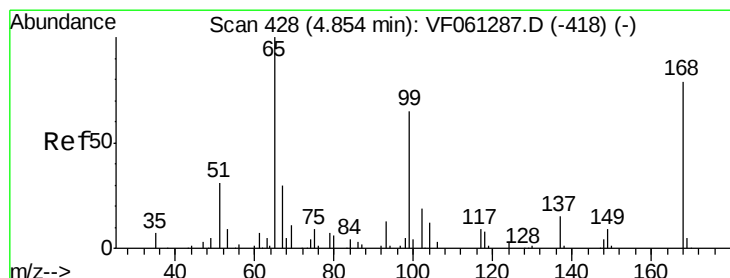
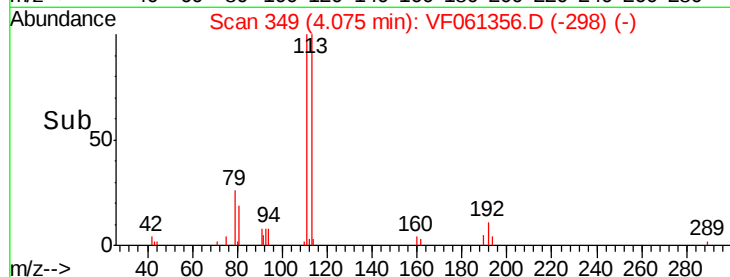
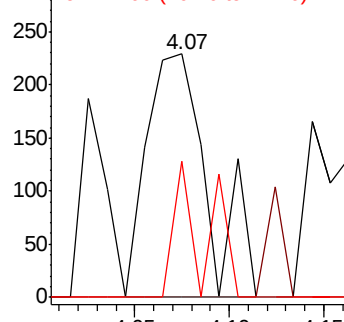
42 100

72 0.0 32.3 48.5#

71 28.1 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: 56.163 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.01 min

Lab File: VF061356.D

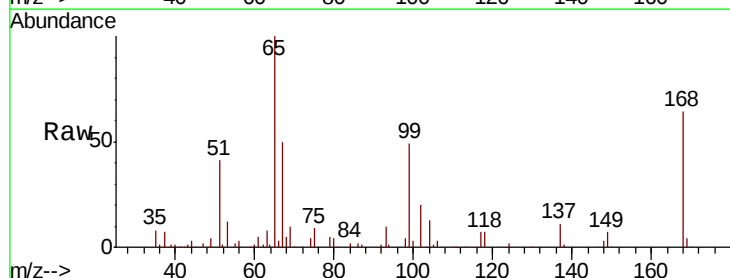
Acq: 10 Jan 2019 21:04

Tgt Ion: 65 Resp: 123261

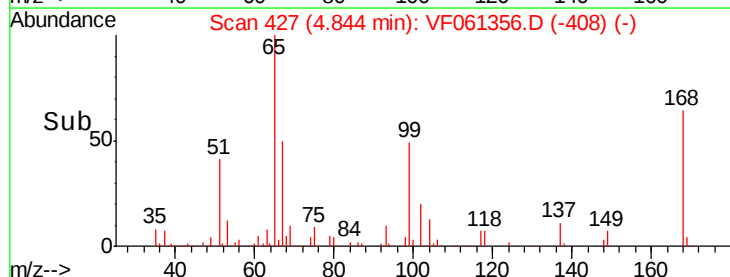
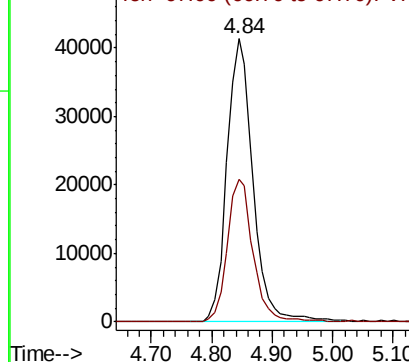
Ion Ratio Lower Upper

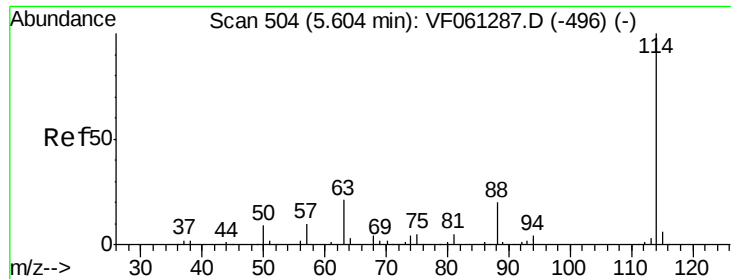
65 100

67 50.5 0.0 98.2



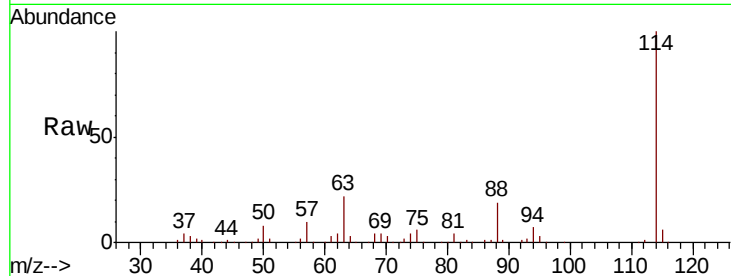
Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0



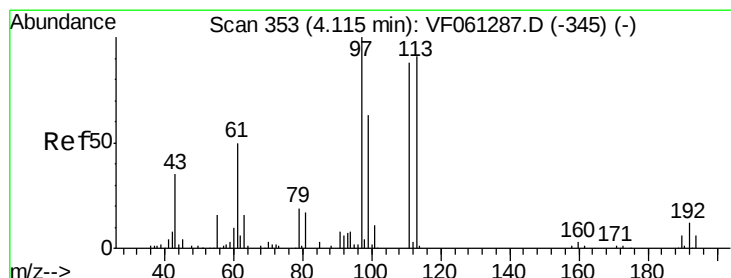
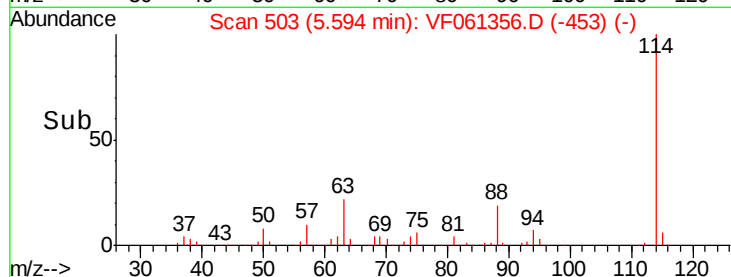
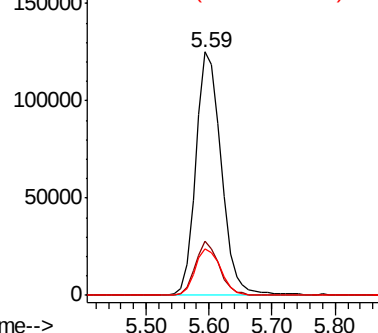


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.59 min Scan# 503
Delta R.T. -0.01 min
Lab File: VF061356.D
Acq: 10 Jan 2019 21:04

Tgt Ion:114 Resp: 352463
Ion Ratio Lower Upper
114 100
63 22.4 0.0 42.8
88 19.3 0.0 40.0

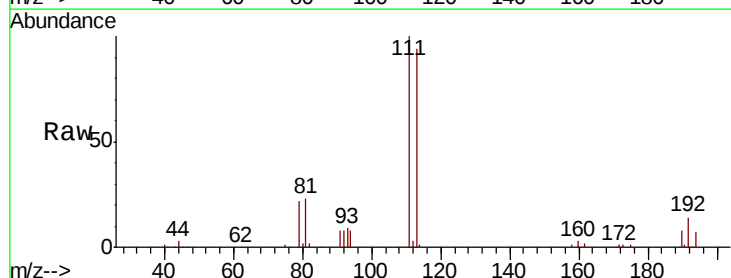


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

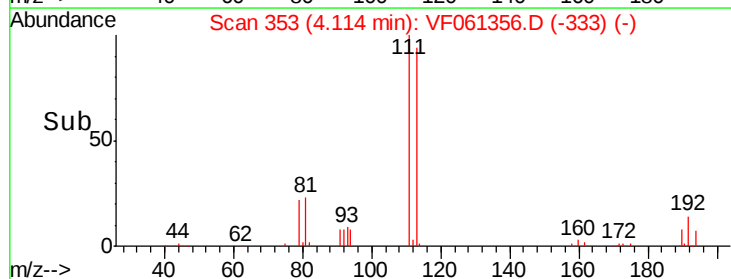
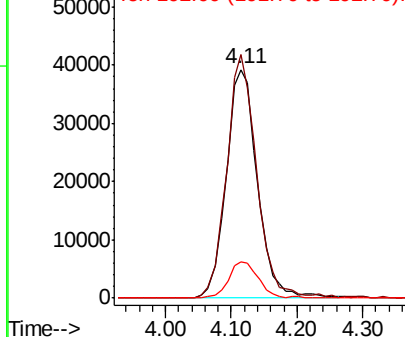


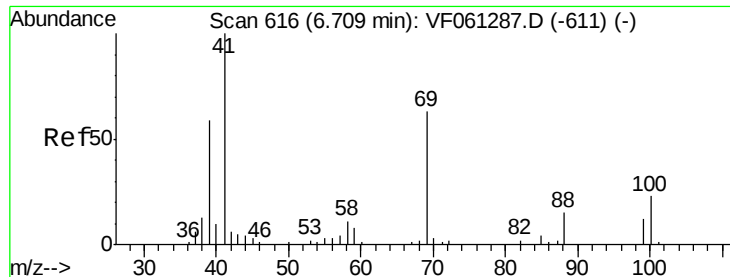
#35
Dibromofluoromethane
Concen: 48.264 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF061356.D
Acq: 10 Jan 2019 21:04

Tgt Ion:113 Resp: 130163
Ion Ratio Lower Upper
113 100
111 106.6 78.0 117.0
192 15.8 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: 9.624 ug/l

RT: 6.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VF061356.D

Acq: 10 Jan 2019 21:04

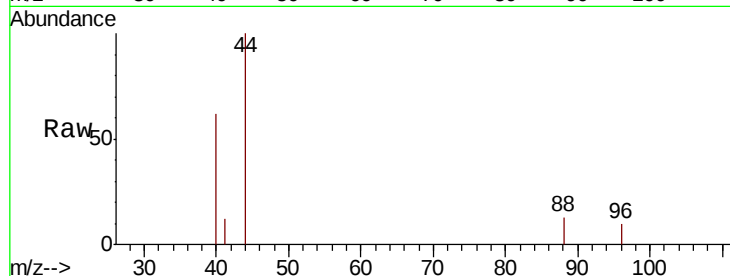
Tgt Ion: 88 Resp: 78

Ion Ratio Lower Upper

88 100

43 0.0 38.5 57.7#

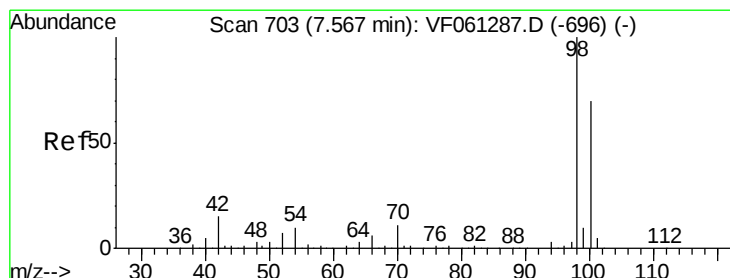
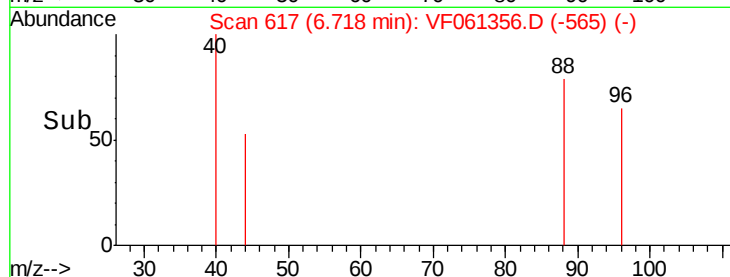
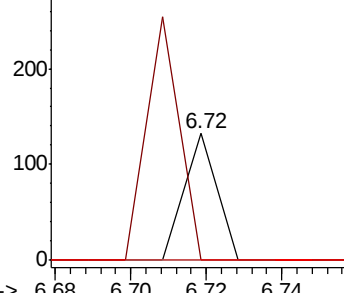
58 0.0 57.0 85.4#



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: 44.429 ug/l

RT: 7.56 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061356.D

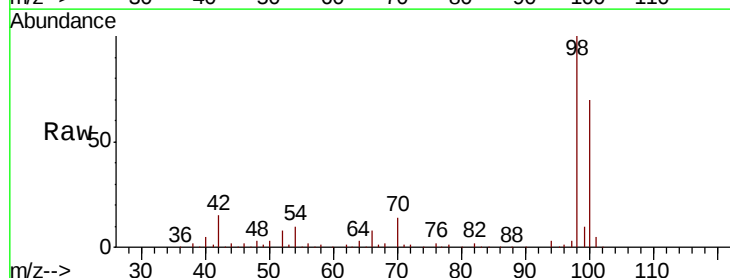
Acq: 10 Jan 2019 21:04

Tgt Ion: 98 Resp: 354582

Ion Ratio Lower Upper

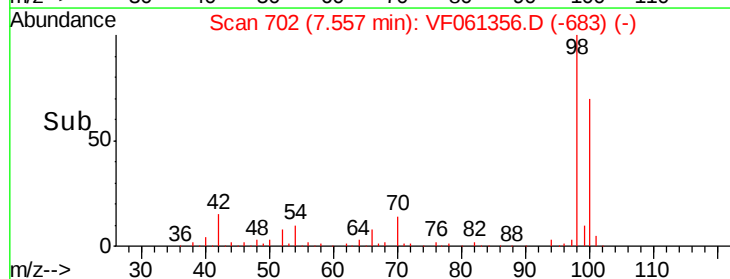
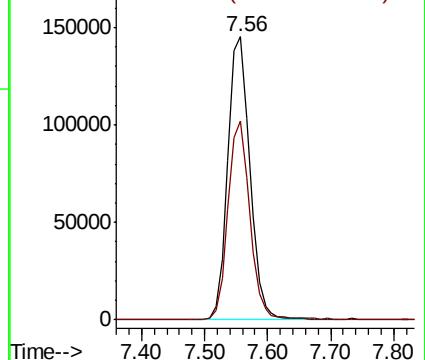
98 100

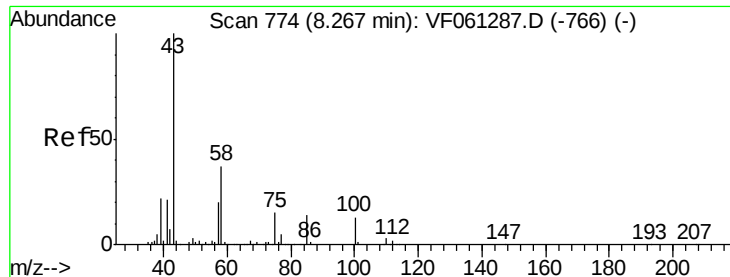
100 70.4 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 1.259 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061356.D

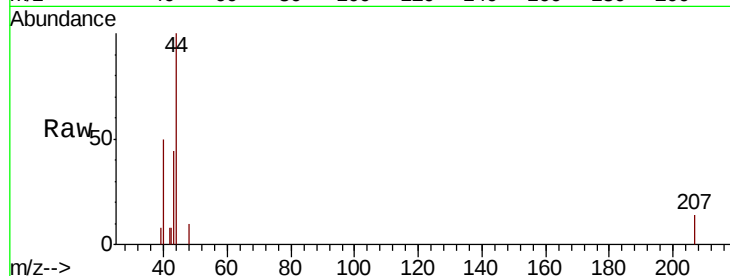
Acq: 10 Jan 2019 21:04

Tgt Ion: 43 Resp: 1880

Ion Ratio Lower Upper

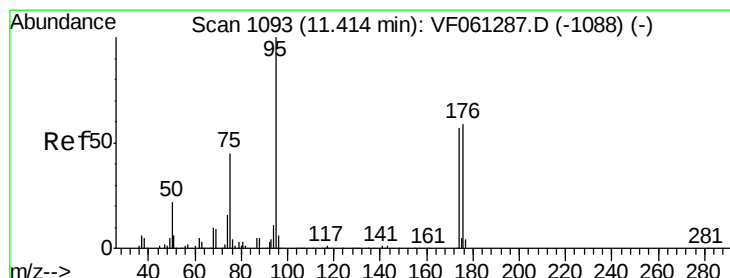
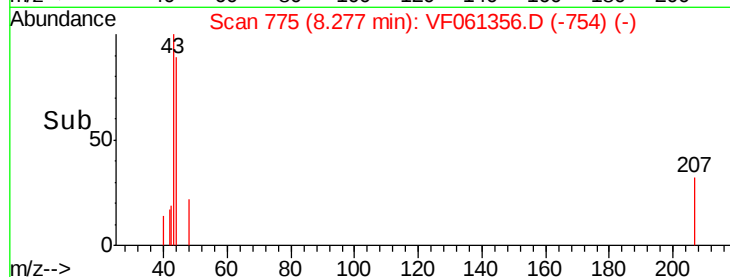
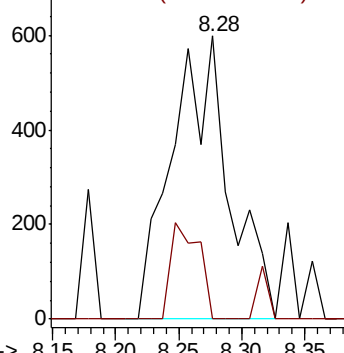
43 100

58 0.0 29.6 44.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#62

4-Bromofluorobenzene

Concen: 48.685 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061356.D

Acq: 10 Jan 2019 21:04

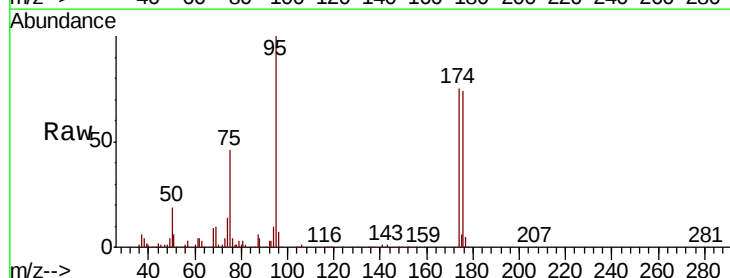
Tgt Ion: 95 Resp: 169665

Ion Ratio Lower Upper

95 100

174 75.0 0.0 114.2

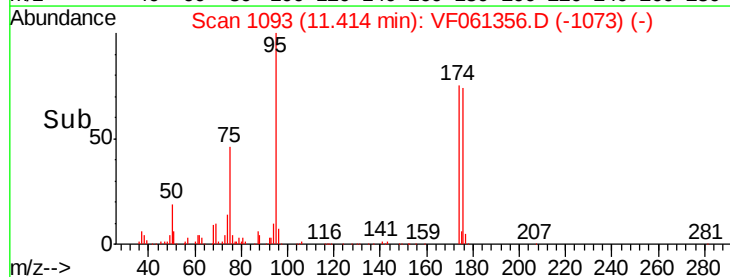
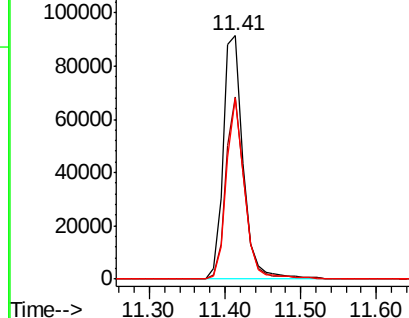
176 74.4 0.0 117.8

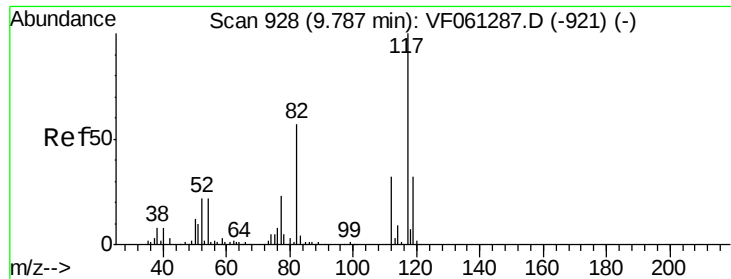


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

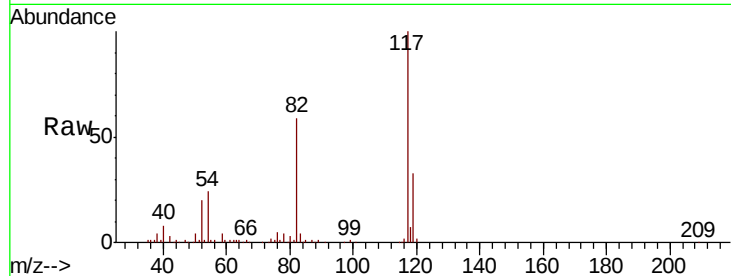
Ion 176.00 (175.70 to 176.70): V



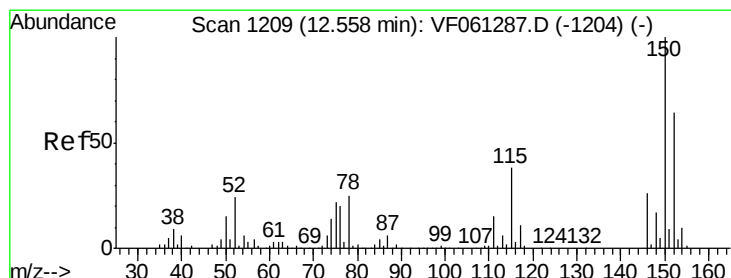
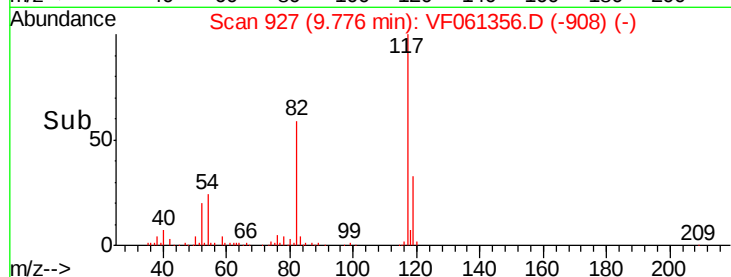
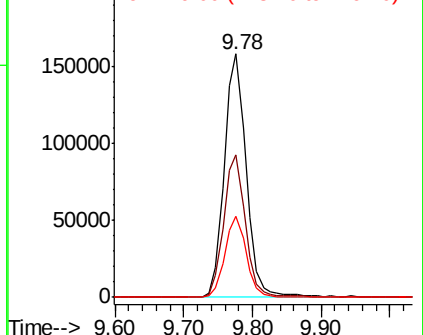


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061356.D
Acq: 10 Jan 2019 21:04

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.5	45.3	67.9
119	33.3	25.4	38.0

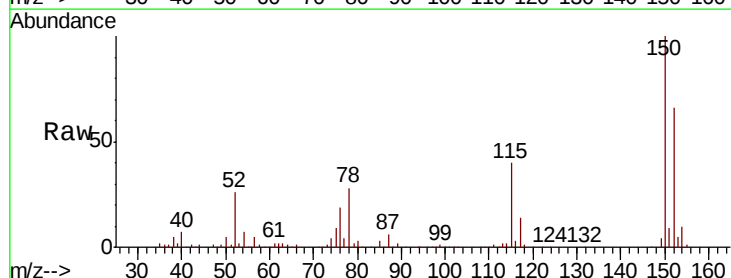


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061356.D
Acq: 10 Jan 2019 21:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	29.6	88.9
150	152.5	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

