

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF020819\
 Data File : VF061560.D
 Acq On : 8 Feb 2019 16:14
 Operator : VA/AP
 Sample : VF0208SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0208SBL01

Quant Time: Feb 09 04:30:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	194780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	335495	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	310554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	170527	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	114890	47.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.56%	
35) Dibromofluoromethane	4.11	113	136703	51.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.28%	
50) Toluene-d8	7.55	98	323069	44.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.08%	
62) 4-Bromofluorobenzene	11.41	95	171483	50.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.20%	

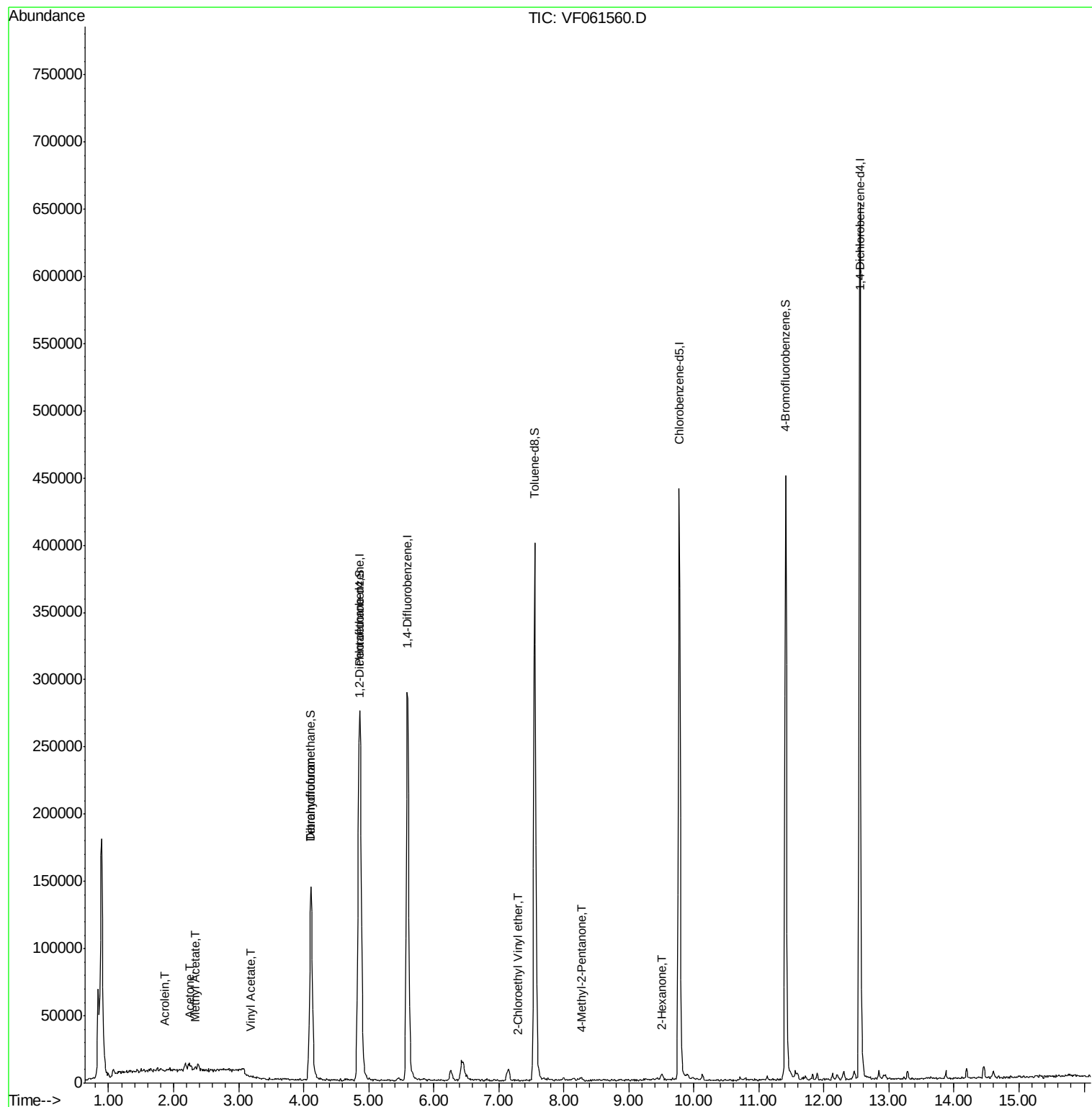
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	1.86	56	356	14.229	ug/l	100
14) Allyl chloride	2.09	41	657	Below Cal	#	71
16) Acetone	2.25	43	2767	5.736	ug/l #	61
18) Methyl Acetate	2.33	43	1165	1.218	ug/l #	61
20) Methylene Chloride	2.19	84	2154	Below Cal	#	71
23) Vinyl Acetate	3.18	43	1567	3.764	ug/l #	78
29) Tetrahydrofuran	4.10	42	475	1.375	ug/l #	63
49) 1,4-Dioxane	6.70	88	65	Below Cal	#	22
51) 4-Methyl-2-Pentanone	8.27	43	2982	2.079	ug/l #	65
58) 2-Chloroethyl Vinyl ether	7.29	63	72	27.842	ug/l #	47
59) 2-Hexanone	9.50	43	4032	4.030	ug/l	83

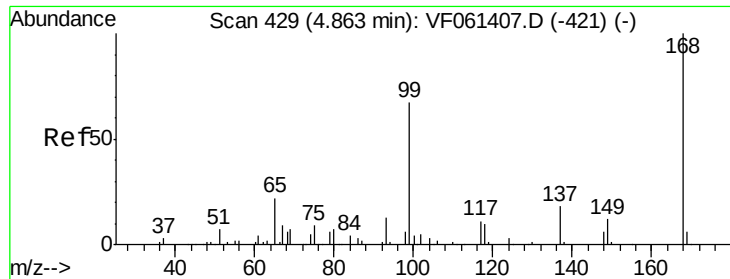
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF020819\
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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.01 min

Lab File: VF061560.D

Acq: 8 Feb 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

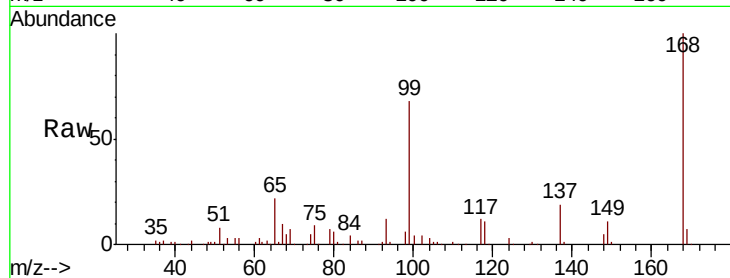
VF0208SBL01

Tgt Ion:168 Resp: 194780

Ion Ratio Lower Upper

168 100

99 67.8 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

60000

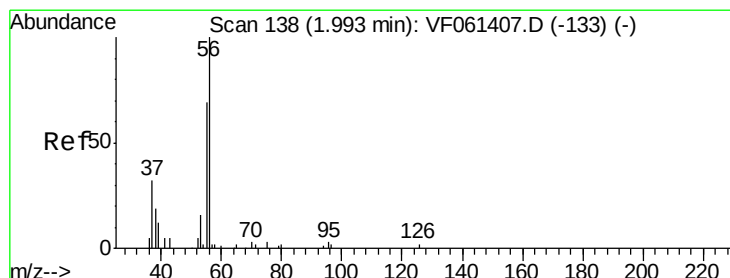
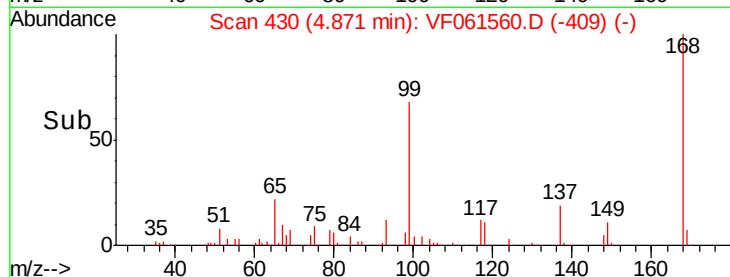
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#13

Acrolein

Concen: 14.229 ug/l

RT: 1.86 min Scan# 125

Delta R.T. -0.13 min

Lab File: VF061560.D

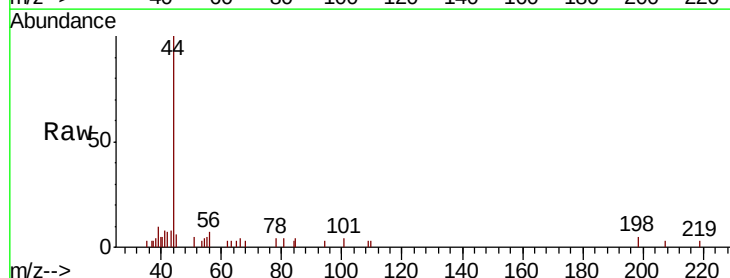
Acq: 8 Feb 2019 16:14

Tgt Ion: 56 Resp: 356

Ion Ratio Lower Upper

56 100

55 72.0 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

1.86

400

300

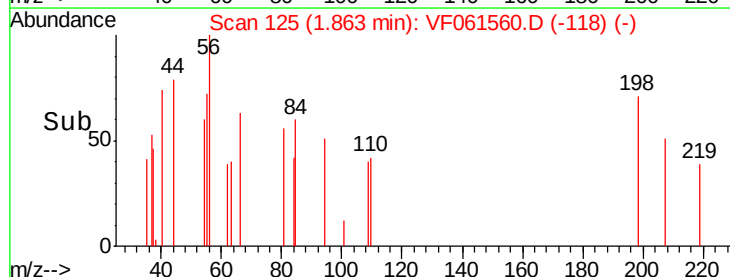
200

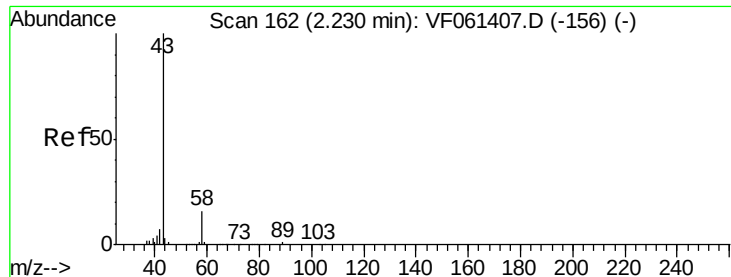
100

0

Time-->

1.82 1.84 1.86 1.88 1.90





#16

Acetone

Concen: 5.736 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.02 min

Lab File: VF061560.D

Acq: 8 Feb 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

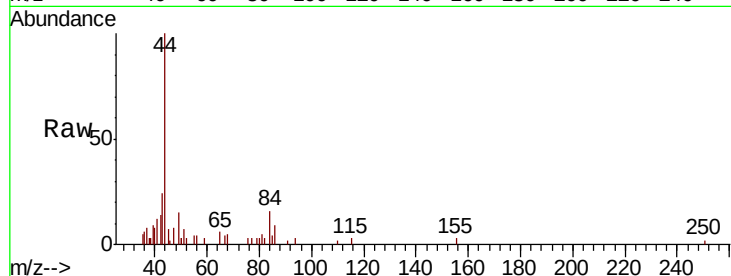
VF0208SBL01

Tgt Ion: 43 Resp: 2767

Ion Ratio Lower Upper

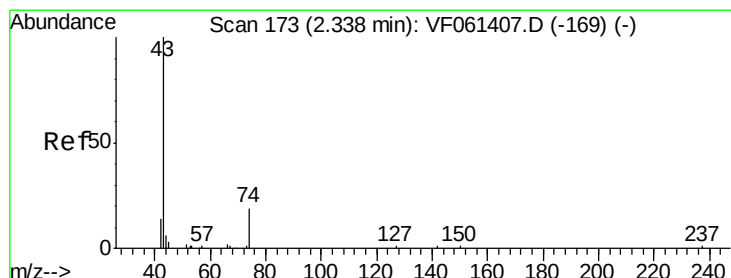
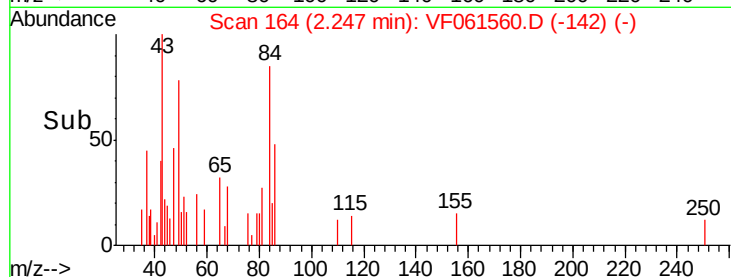
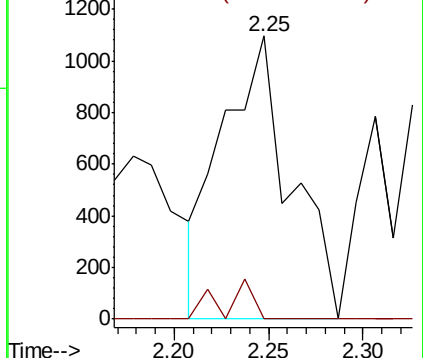
43 100

58 0.0 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 1.218 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF061560.D

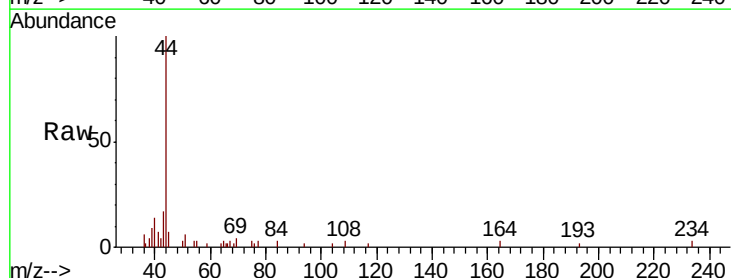
Acq: 8 Feb 2019 16:14

Tgt Ion: 43 Resp: 1165

Ion Ratio Lower Upper

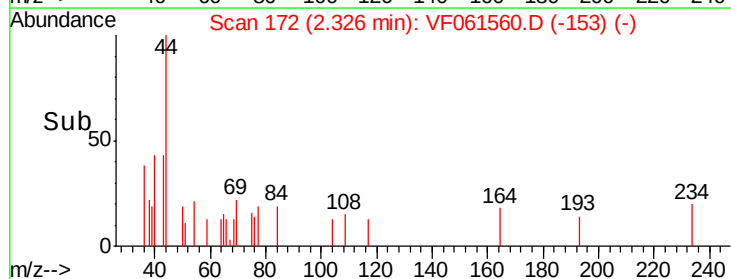
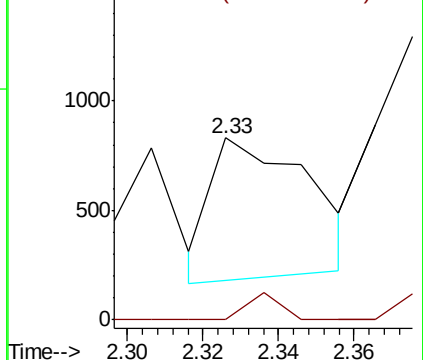
43 100

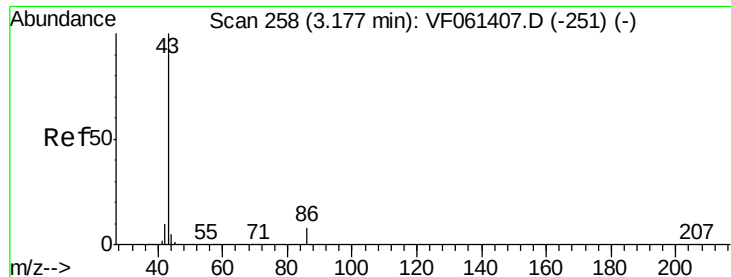
74 0.0 13.4 20.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#23

Vinyl Acetate

Concen: 3.764 ug/l

RT: 3.18 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF061560.D

Acq: 8 Feb 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

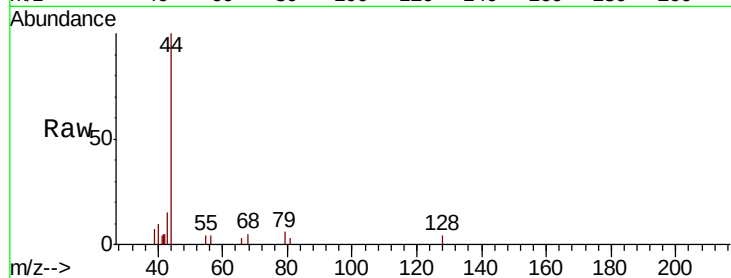
VF0208SBL01

Tgt Ion: 43 Resp: 1567

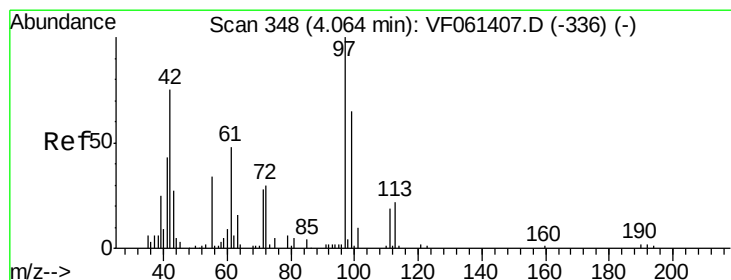
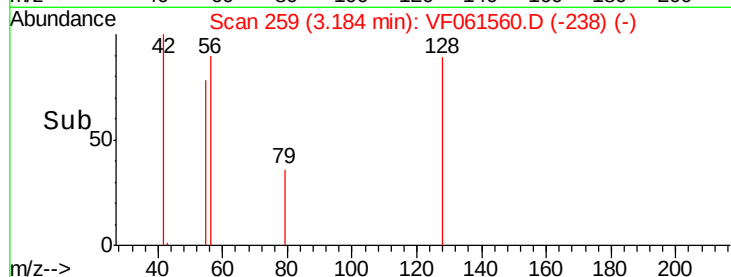
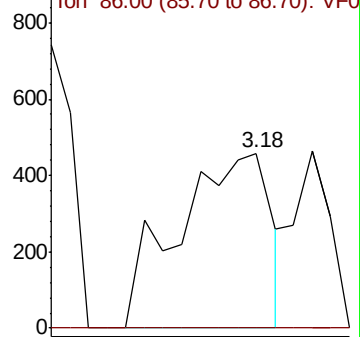
Ion Ratio Lower Upper

43 100

86 0.0 6.2 9.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0



#29

Tetrahydrofuran

Concen: 1.375 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.04 min

Lab File: VF061560.D

Acq: 8 Feb 2019 16:14

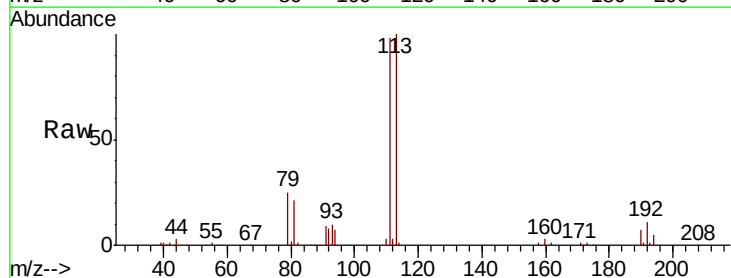
Tgt Ion: 42 Resp: 475

Ion Ratio Lower Upper

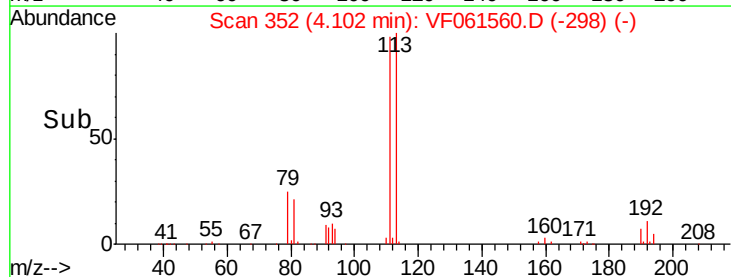
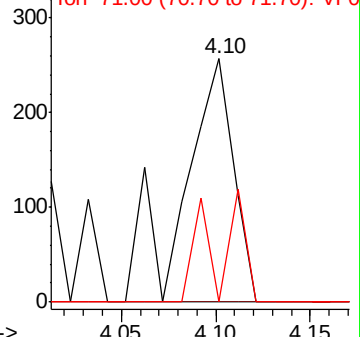
42 100

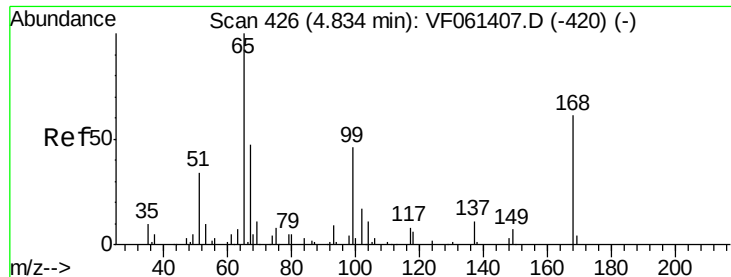
72 0.0 28.9 43.3#

71 28.6 29.6 44.4#



Abundance Ion 42.00 (41.70 to 42.70): VF0

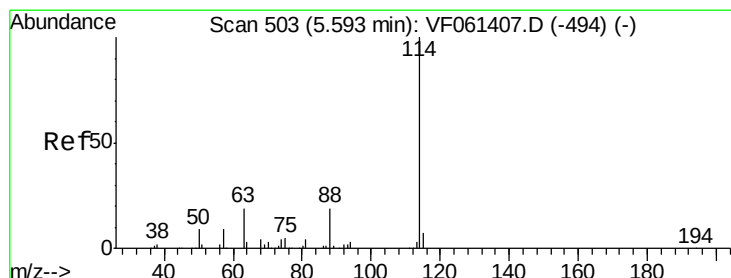
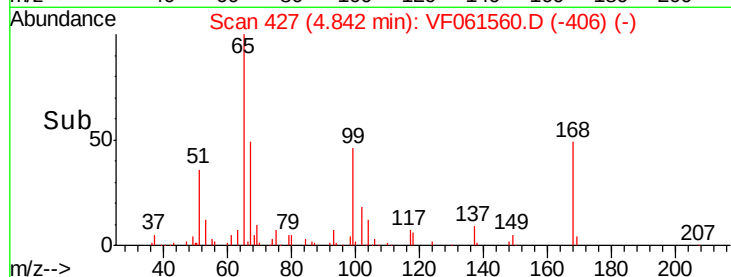
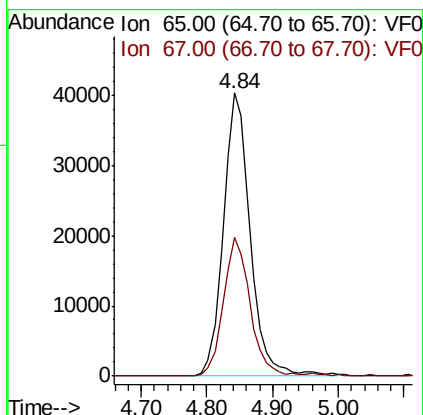
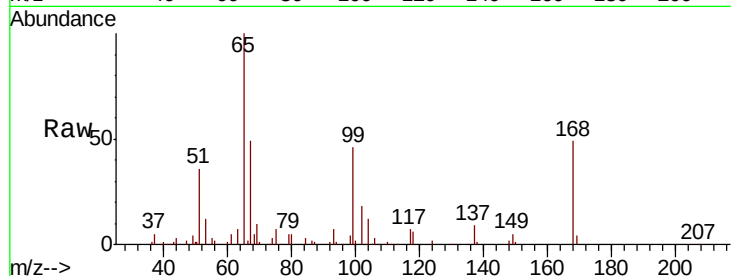




#33
 1,2-Dichloroethane-d4
 Concen: 47.775 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. 0.01 min
 Lab File: VF061560.D
 Acq: 8 Feb 2019 16:14

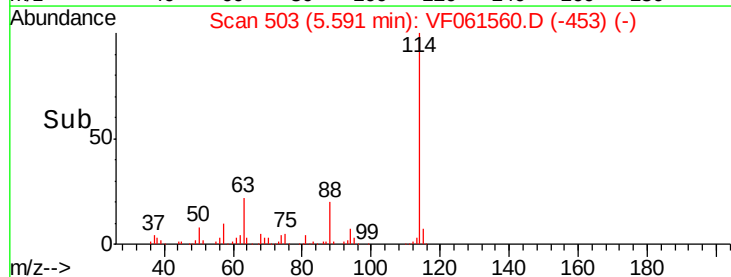
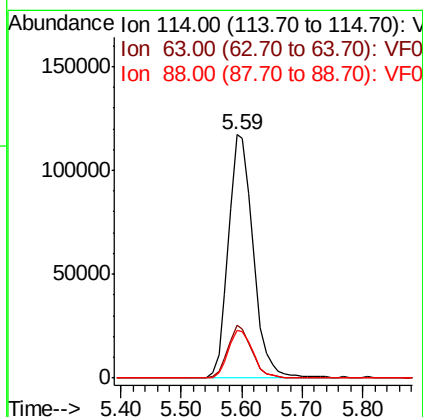
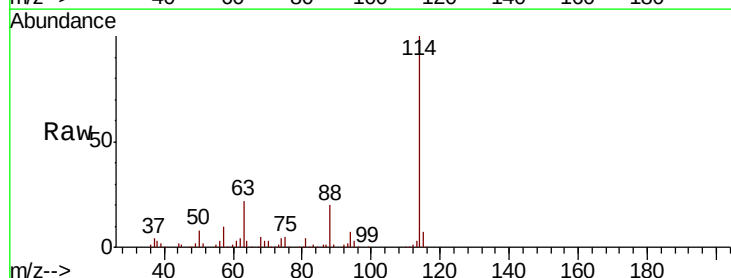
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0208SBL01

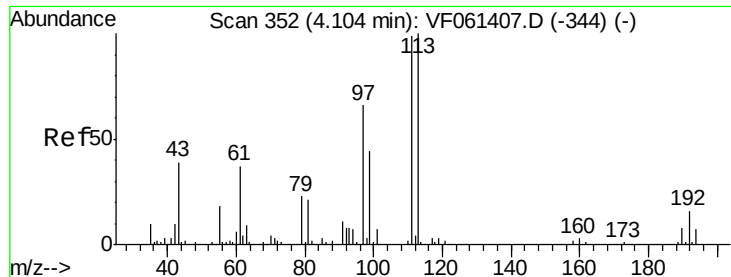
Tgt Ion: 65 Resp: 114890
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VF061560.D
 Acq: 8 Feb 2019 16:14

Tgt Ion: 114 Resp: 335495
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 39.0
 88 19.5 0.0 37.4





#35

Dibromofluoromethane

Concen: 51.638 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061560.D

Acq: 8 Feb 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VF0208SBL01

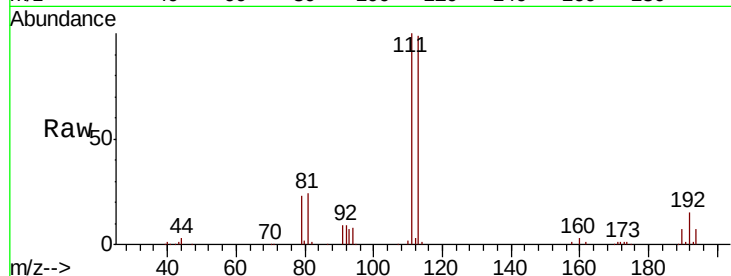
Tgt Ion:113 Resp: 136703

Ion Ratio Lower Upper

113 100

111 101.3 79.4 119.0

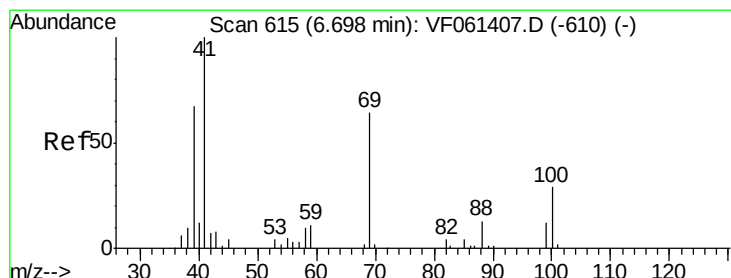
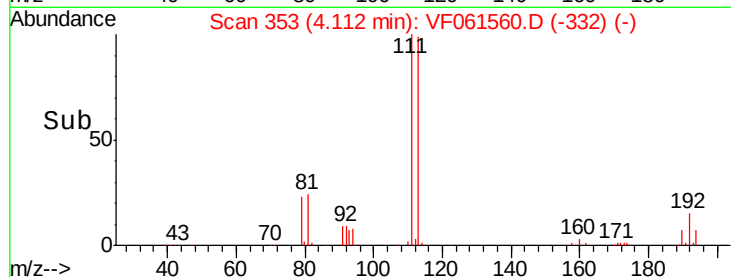
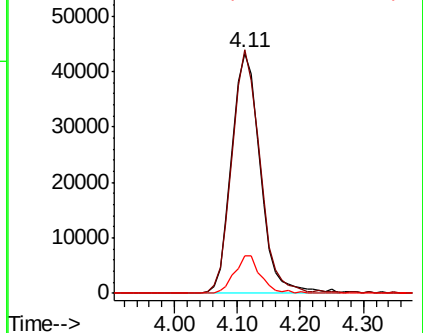
192 15.5 12.4 18.6



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: Below Cal

RT: 6.70 min Scan# 615

Delta R.T. -0.00 min

Lab File: VF061560.D

Acq: 8 Feb 2019 16:14

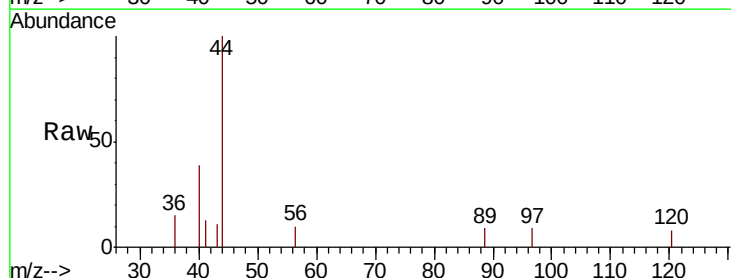
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 123.6 55.5 83.3#

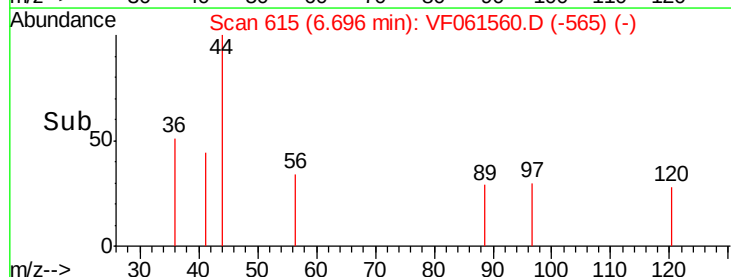
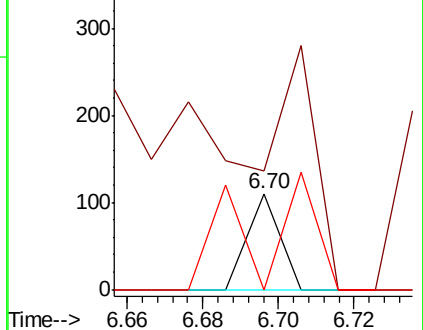
58 0.0 59.9 89.9#

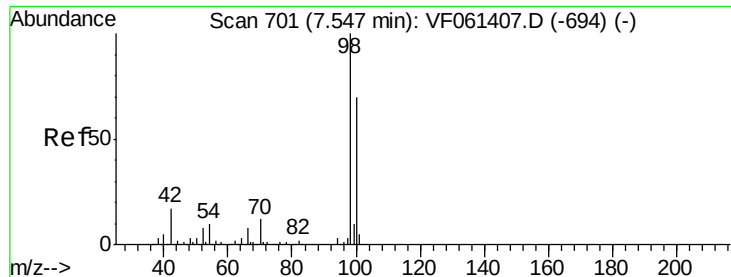


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 44.541 ug/l

RT: 7.55 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF061560.D

Acq: 8 Feb 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

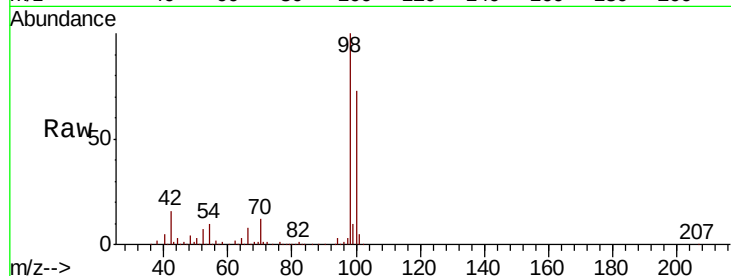
VF0208SBL01

Tgt Ion: 98 Resp: 323069

Ion Ratio Lower Upper

98 100

100 73.4 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

150000

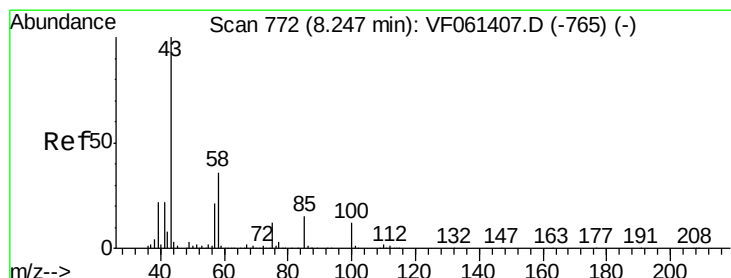
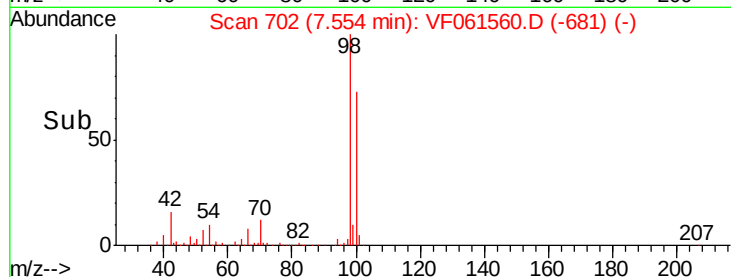
7.55

100000

50000

0

Time--> 7.40 7.50 7.60 7.70



#51

4-Methyl-2-Pentanone

Concen: 2.079 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.03 min

Lab File: VF061560.D

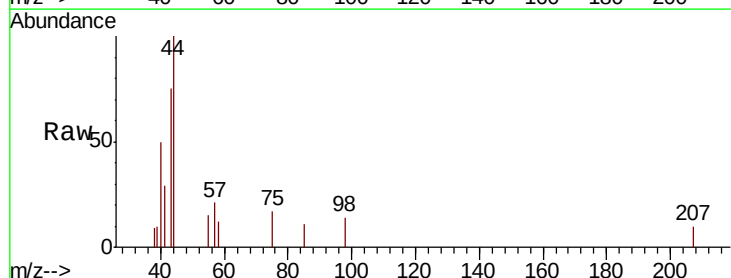
Acq: 8 Feb 2019 16:14

Tgt Ion: 43 Resp: 2982

Ion Ratio Lower Upper

43 100

58 15.4 28.8 43.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

1000

8.27

800

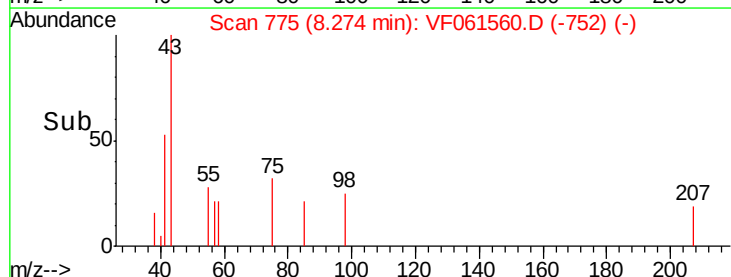
600

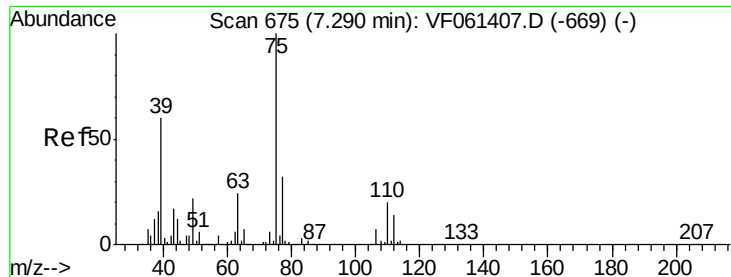
400

200

0

Time--> 8.20 8.30





#58

2-Chloroethyl Vinyl ether

Concen: 27.842 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.00 min

Lab File: VF061560.D

Acq: 8 Feb 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

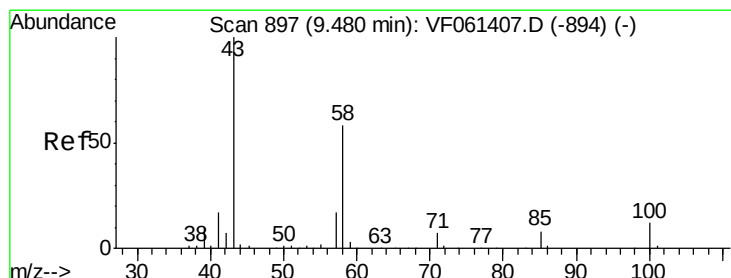
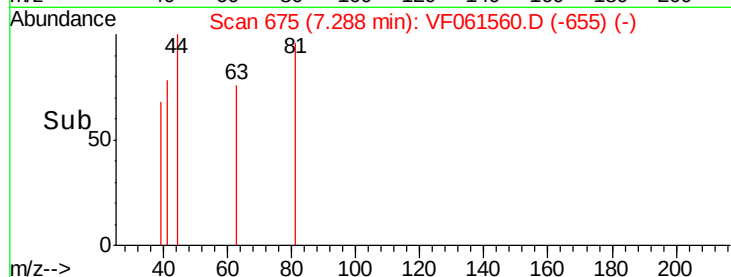
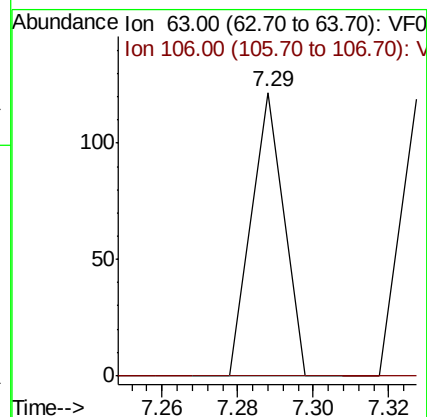
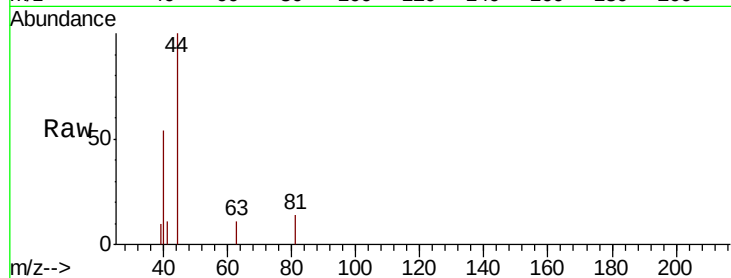
VF0208SBL01

Tgt Ion: 63 Resp: 72

Ion Ratio Lower Upper

63 100

106 0.0 21.9 32.9#



#59

2-Hexanone

Concen: 4.030 ug/l

RT: 9.50 min Scan# 899

Delta R.T. 0.02 min

Lab File: VF061560.D

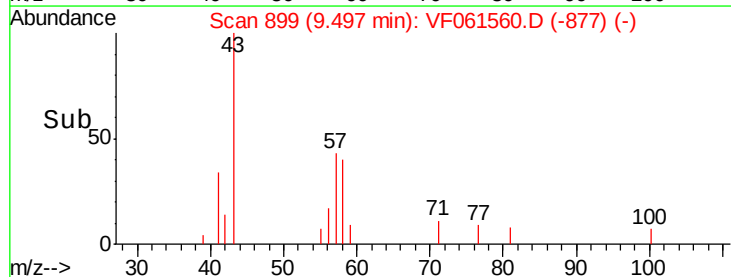
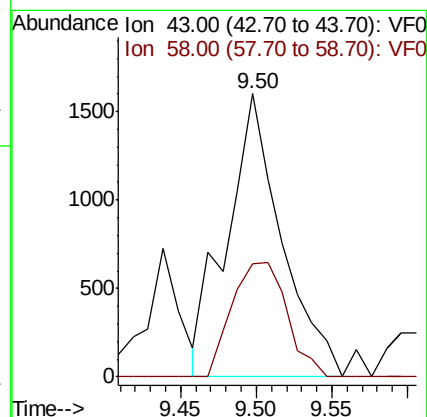
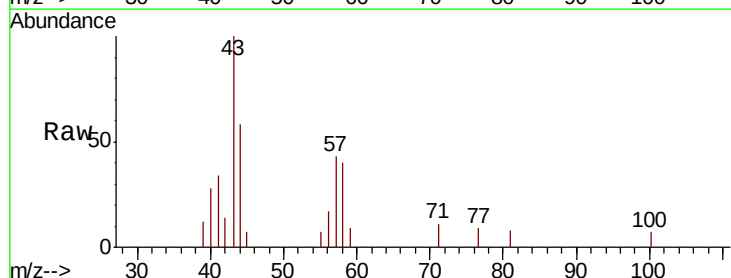
Acq: 8 Feb 2019 16:14

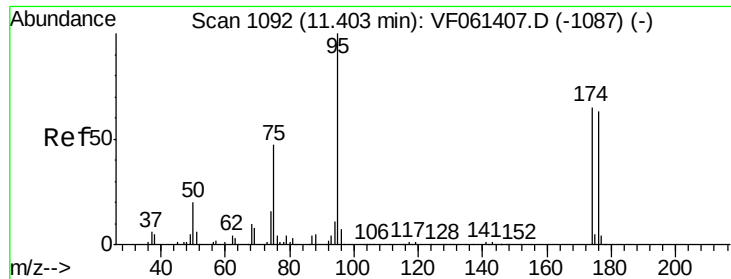
Tgt Ion: 43 Resp: 4032

Ion Ratio Lower Upper

43 100

58 39.8 25.9 77.6





#62

4-Bromofluorobenzene

Concen: 50.601 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061560.D

Acq: 8 Feb 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VF0208SBL01

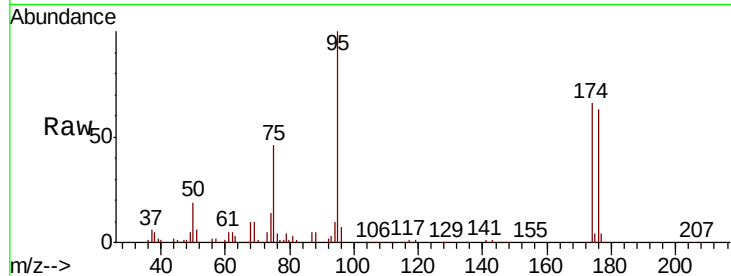
Tgt Ion: 95 Resp: 171483

Ion Ratio Lower Upper

95 100

174 66.1 0.0 130.4

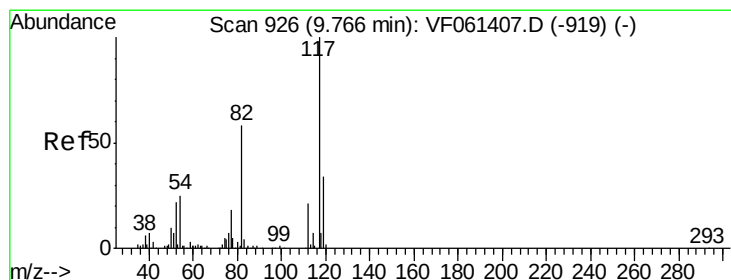
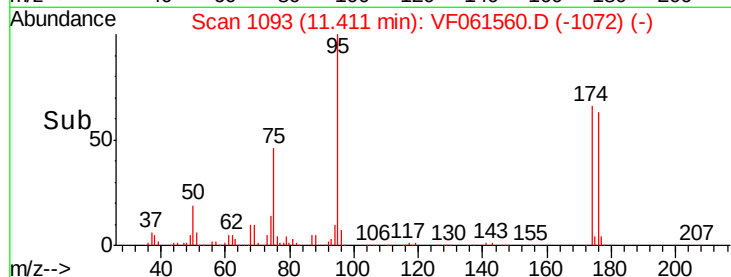
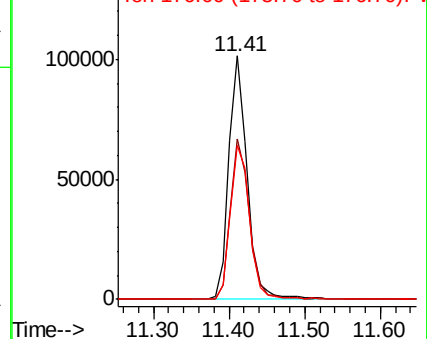
176 63.3 0.0 126.2



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: 9.77 min Scan# 927

Delta R.T. 0.01 min

Lab File: VF061560.D

Acq: 8 Feb 2019 16:14

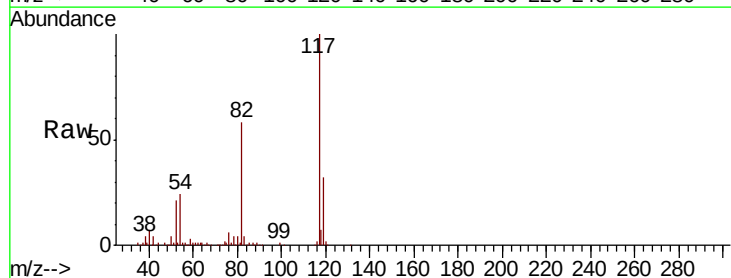
Tgt Ion: 117 Resp: 310554

Ion Ratio Lower Upper

117 100

82 58.0 46.4 69.6

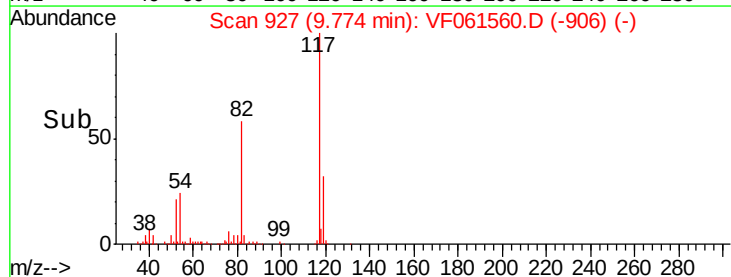
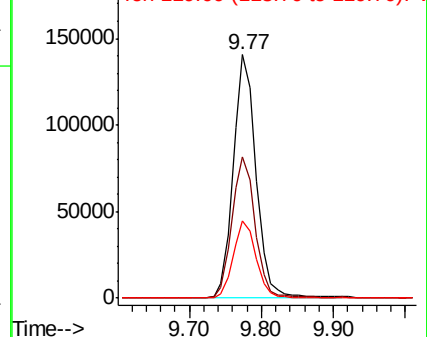
119 31.9 27.2 40.8

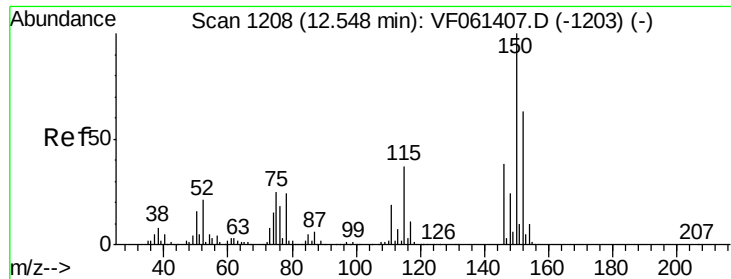


Abundance Ion 117.00 (116.70 to 117.70): VF0

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: 12.56 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF061560.D

Acq: 8 Feb 2019 16:14

Instrument :

MSVOA_F

ClientSampleId :

VF0208SBL01

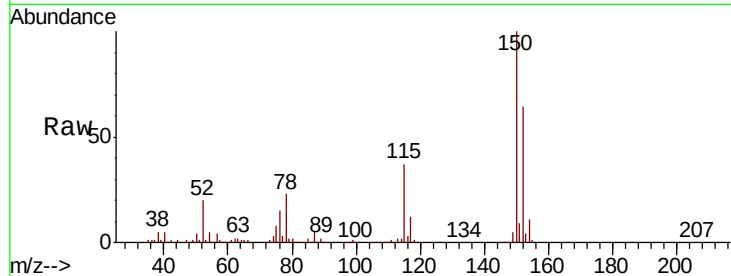
Tgt Ion:152 Resp: 170527

Ion Ratio Lower Upper

152 100

115 58.0 30.0 90.0

150 157.2 0.0 321.4



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

