

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031219\
 Data File : VF061905.D
 Acq On : 12 Mar 2019 15:06
 Operator : VA/AP
 Sample : VF0312SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0312SBL01

Quant Time: Mar 13 01:57:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

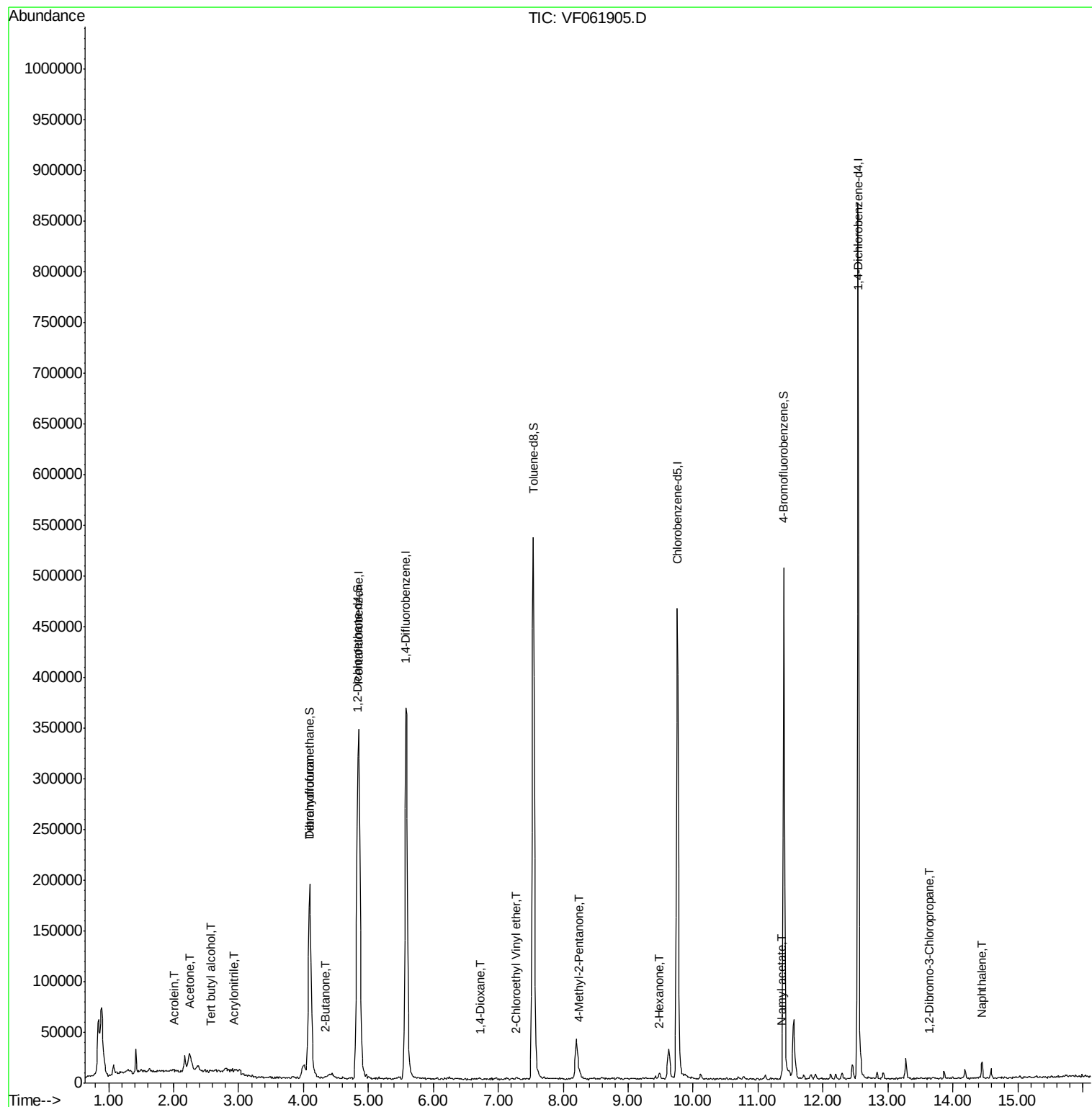
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	314651	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	464785	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	378858	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	234088	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	127168	55.50	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	111.00%	
35) Dibromofluoromethane	4.10	113	189980	58.57	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	117.14%	
50) Toluene-d8	7.54	98	471099	48.86	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	97.72%	
62) 4-Bromofluorobenzene	11.40	95	201181	53.27	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	106.54%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.56	59	347	2.668	ug/l #	64
13) Acrolein	2.01	56	1346	8.167	ug/l #	67
15) Acrylonitrile	2.93	53	1732	4.182	ug/l #	58
16) Acetone	2.24	43	8941	18.628	ug/l	94
18) Methyl Acetate	2.34	43	6512	Below Cal	#	83
20) Methylene Chloride	2.18	84	7117	Below Cal		97
25) 2-Butanone	4.32	43	2428	2.487	ug/l #	56
29) Tetrahydrofuran	4.09	42	1264	3.002	ug/l #	53
49) 1,4-Dioxane	6.73	88	60	4.566	ug/l #	1
51) 4-Methyl-2-Pentanone	8.25	43	4773	3.040	ug/l #	85
58) 2-Chloroethyl Vinyl ether	7.26	63	412	1.181	ug/l #	44
59) 2-Hexanone	9.48	43	5961	5.263	ug/l	89
74) N-amyl acetate	11.36	43	4088	1.102	ug/l #	80
92) 1,2-Dibromo-3-Chloropropan	13.65	75	87	3.940	ug/l #	1
95) Naphthalene	14.45	128	12981	1.490	ug/l #	93

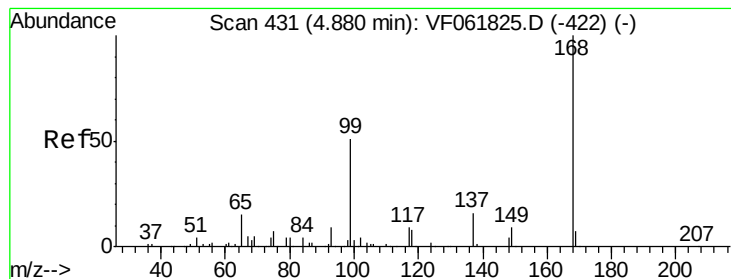
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031219\
Data File : VF061905.D
Acq On : 12 Mar 2019 15:06
Operator : VA/AP
Sample : VF0312SBL01
Misc : 5.00µ/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0312SBL01

Quant Time: Mar 13 01:57:33 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061905.D

Acq: 12 Mar 2019 15:06

Instrument :

MSVOA_F

ClientSampleId :

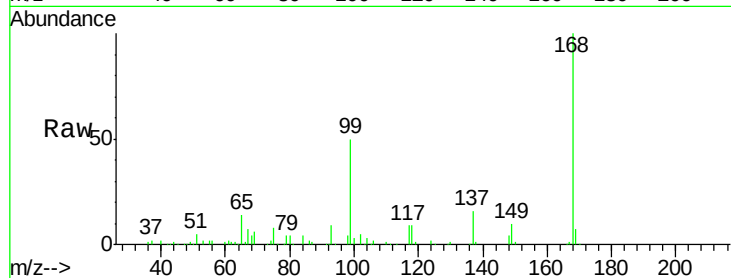
VF0312SBL01

Tot Ion:168 Resp: 314651

Ion Ratio Lower Upper

168 100

99 49.7 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

100000

80000

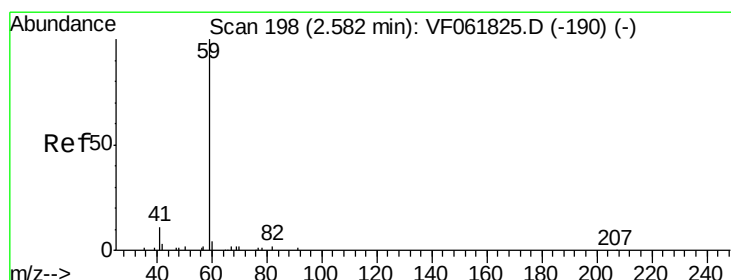
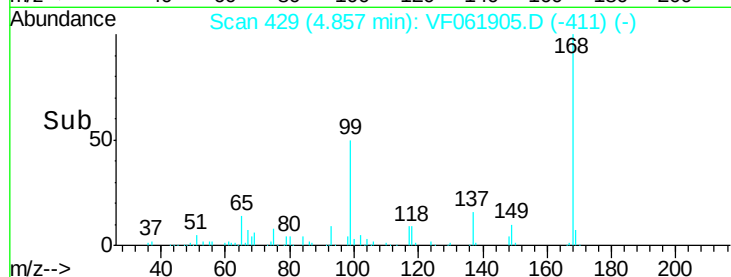
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.668 ug/l

RT: 2.56 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF061905.D

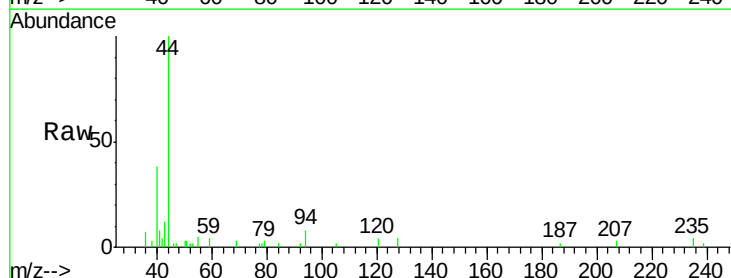
Acq: 12 Mar 2019 15:06

Tgt Ion: 59 Resp: 347

Ion Ratio Lower Upper

59 100

57 0.0 11.8 17.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.56

300

250

200

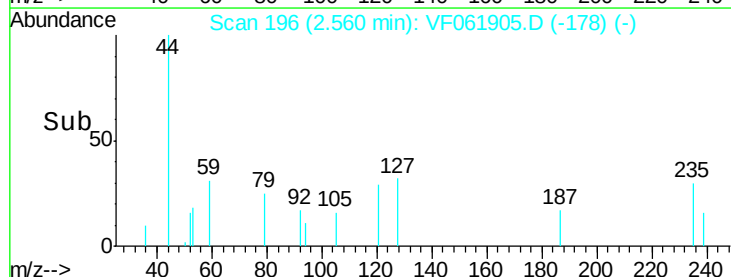
150

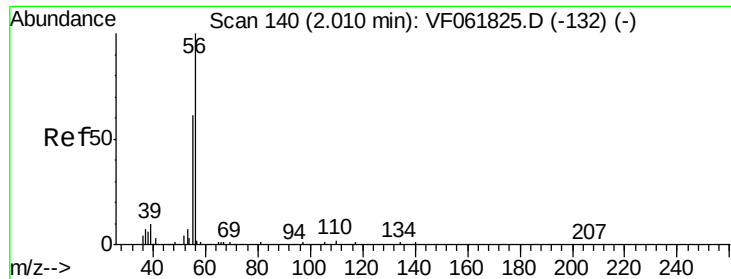
100

50

0

Time-->





#13

Acrolein

Concen: 8.167 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF061905.D

Acq: 12 Mar 2019 15:06

Instrument :

MSVOA_F

ClientSampleId :

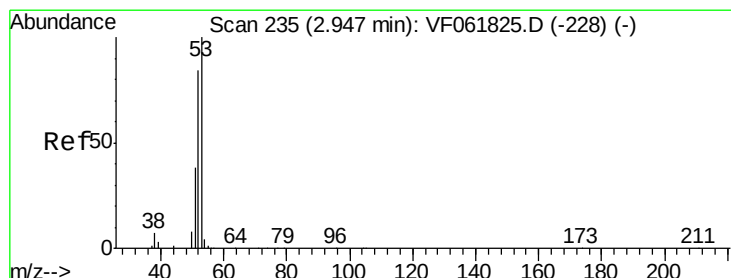
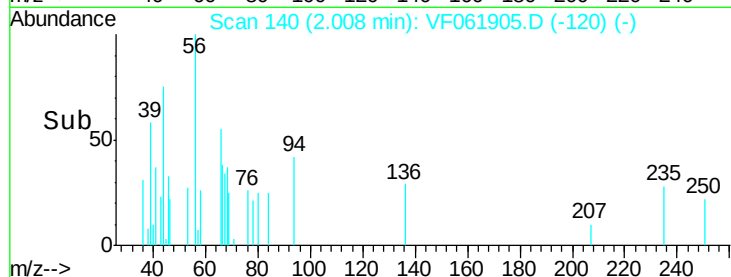
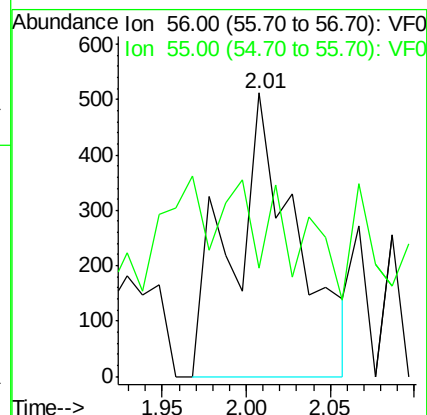
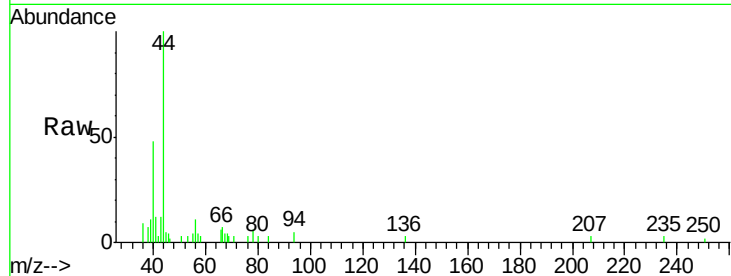
VF0312SBL01

Tot Ion: 56 Resp: 1346

Ion Ratio Lower Upper

56 100

55 38.3 51.3 76.9#



#15

Acrylonitrile

Concen: 4.182 ug/l

RT: 2.93 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF061905.D

Acq: 12 Mar 2019 15:06

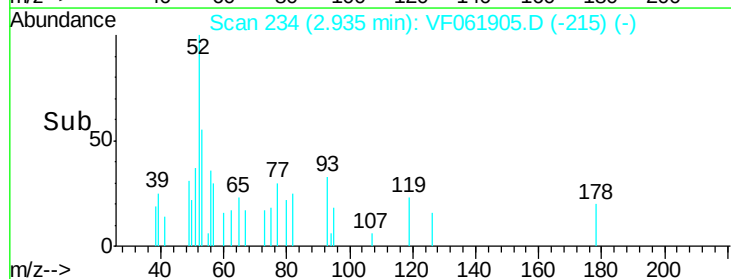
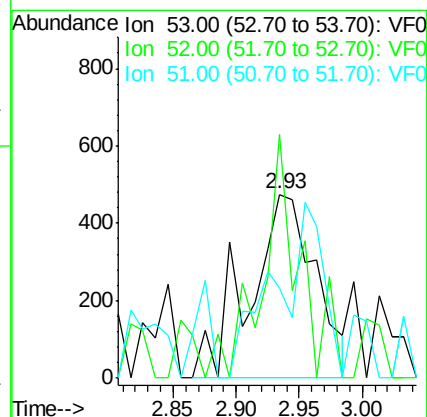
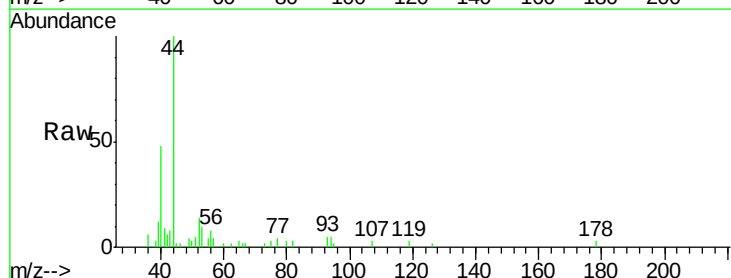
Tgt Ion: 53 Resp: 1732

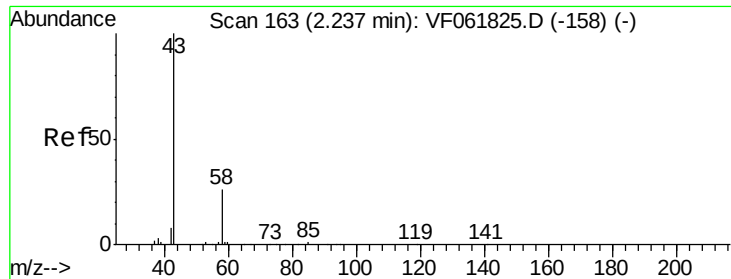
Ion Ratio Lower Upper

53 100

52 132.4 67.4 101.0#

51 49.3 30.7 46.1#





#16

Acetone

Concen: 18.628 ug/l

RT: 2.24 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061905.D

Acq: 12 Mar 2019 15:06

Instrument :

MSVOA_F

ClientSampleId :

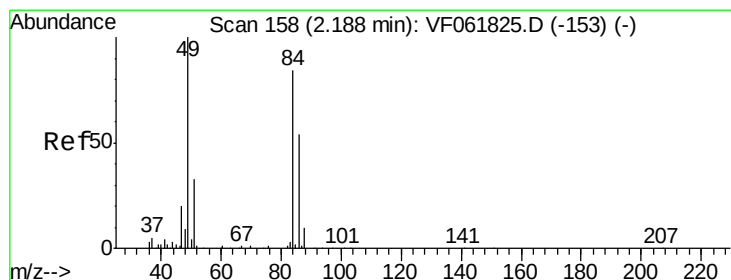
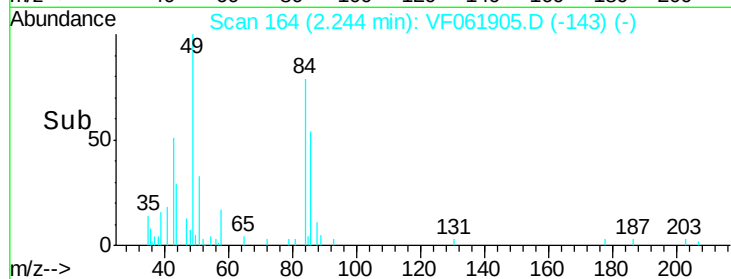
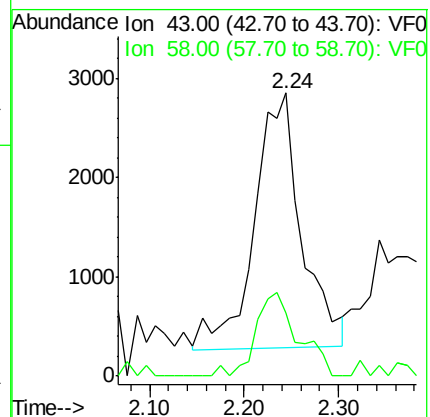
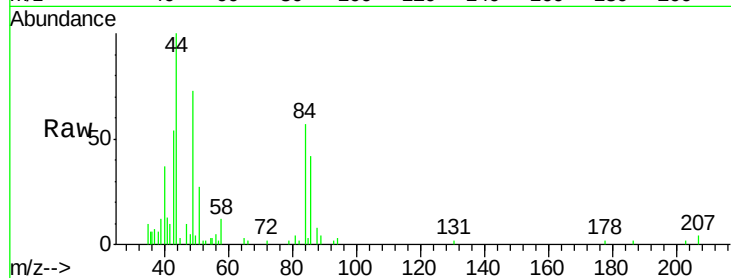
VF0312SBL01

Tot Ion: 43 Resp: 8941

Ion Ratio Lower Upper

43 100

58 22.1 20.3 30.5



#20

Methylene Chloride

Concen: Below Cal

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF061905.D

Acq: 12 Mar 2019 15:06

Tgt Ion: 84 Resp: 7117

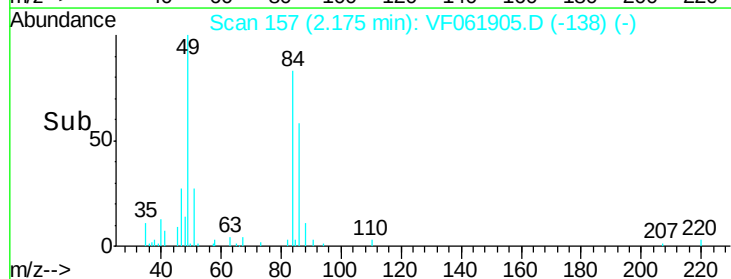
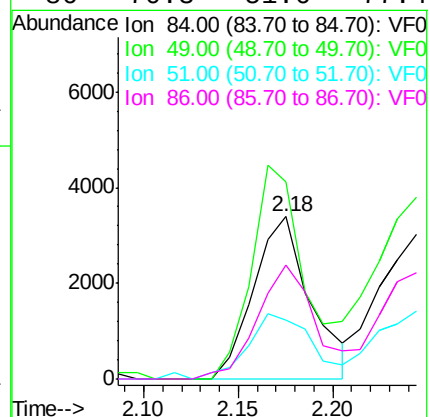
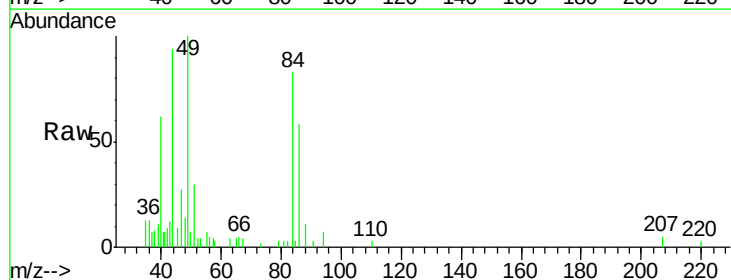
Ion Ratio Lower Upper

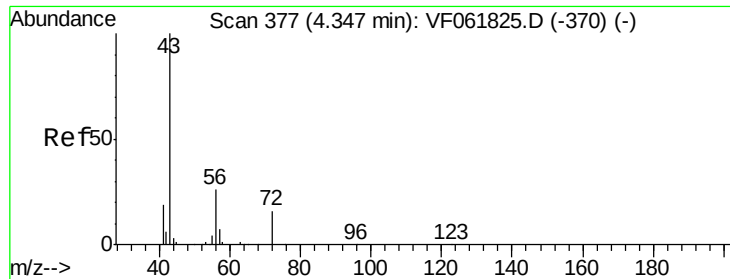
84 100

49 121.1 96.8 145.2

51 36.3 31.8 47.6

86 70.3 51.6 77.4





#25

2-Butanone

Concen: 2.487 ug/l

RT: 4.32 min Scan# 375

Delta R.T. -0.02 min

Lab File: VF061905.D

Acq: 12 Mar 2019 15:06

Instrument :

MSVOA_F

ClientSampleId :

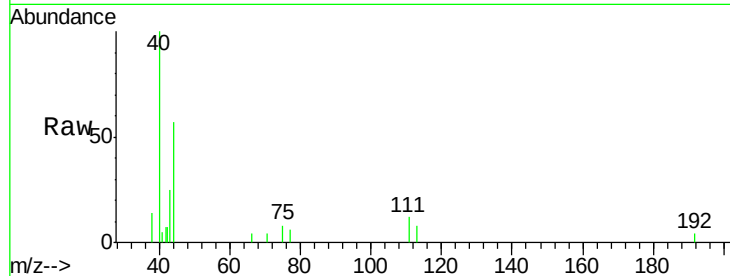
VF0312SBL01

Tot Ion: 43 Resp: 2428

Ion Ratio Lower Upper

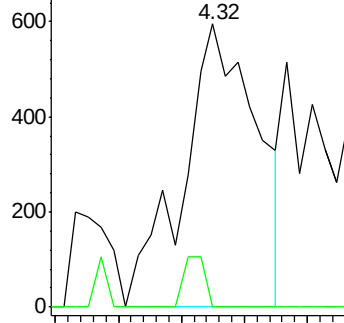
43 100

72 0.0 16.2 24.4#

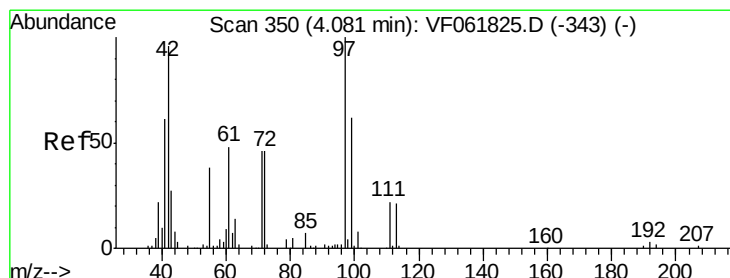
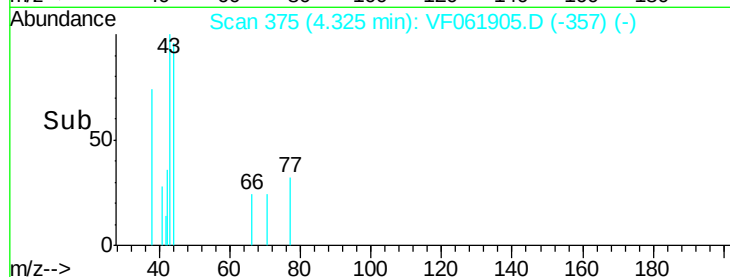


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



Time-->



#29

Tetrahydrofuran

Concen: 3.002 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.01 min

Lab File: VF061905.D

Acq: 12 Mar 2019 15:06

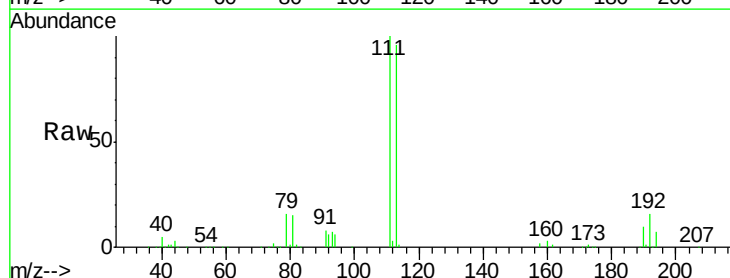
Tgt Ion: 42 Resp: 1264

Ion Ratio Lower Upper

42 100

72 0.0 34.4 51.6#

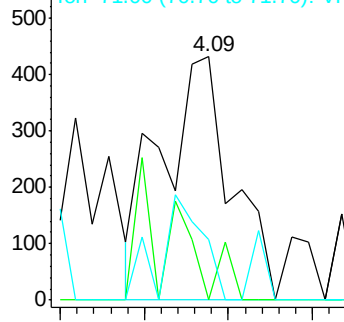
71 25.5 34.6 52.0#



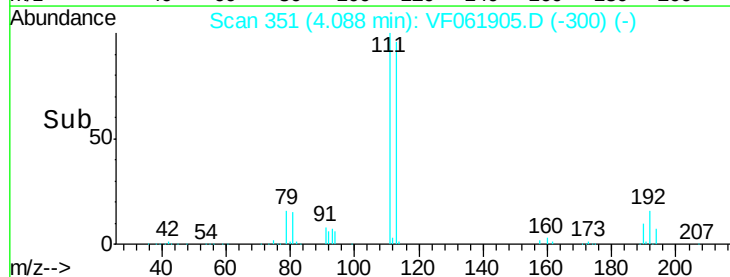
Abundance Ion 42.00 (41.70 to 42.70): VF0

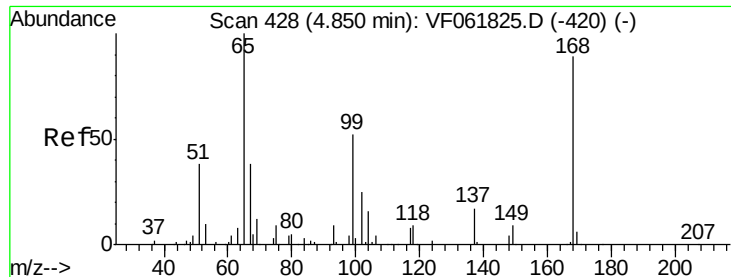
Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



Time-->

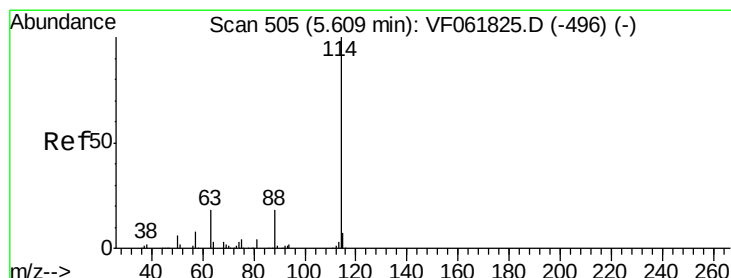
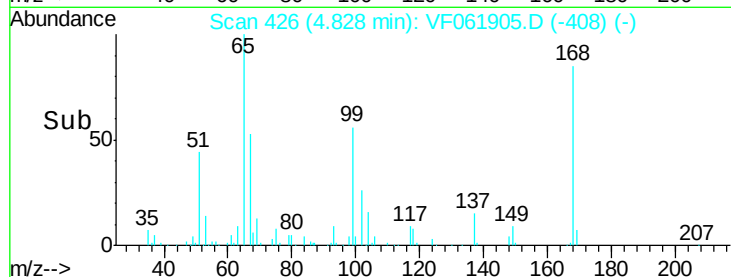
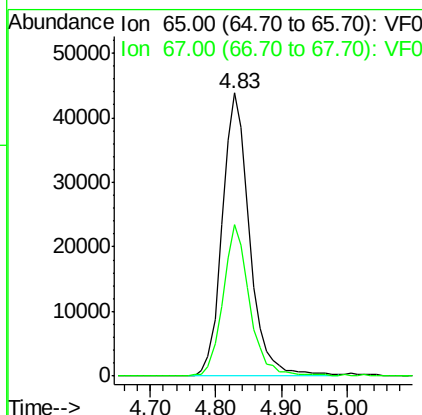
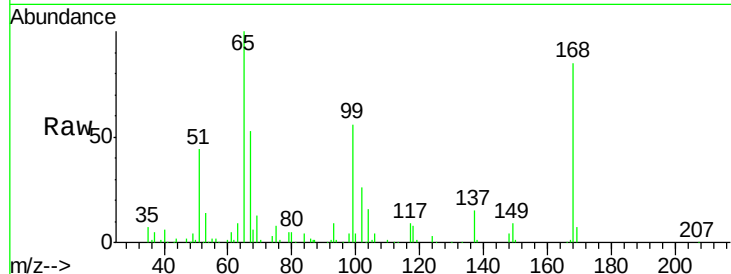




#33
 1,2-Dichloroethane-d4
 Concen: 55.497 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.02 min
 Lab File: VF061905.D
 Acq: 12 Mar 2019 15:06

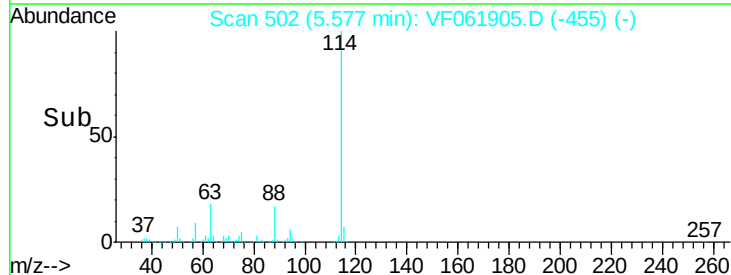
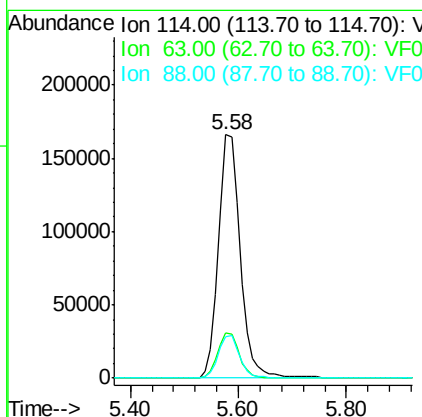
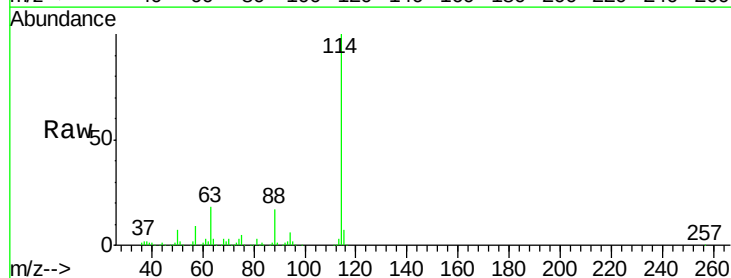
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0312SBL01

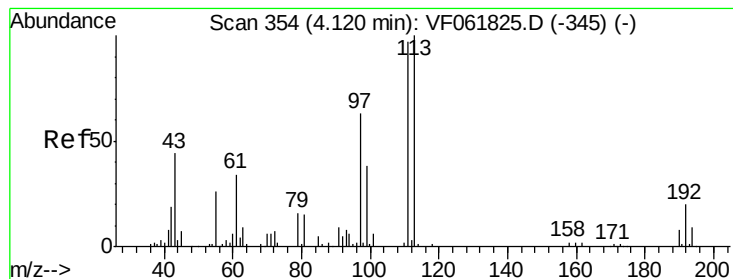
Tot Ion: 65 Resp: 127168
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.03 min
 Lab File: VF061905.D
 Acq: 12 Mar 2019 15:06

Tgt Ion: 114 Resp: 464785
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 35.6
 88 17.1 0.0 35.6





#35

Dibromofluoromethane

Concen: 58.571 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061905.D

Acq: 12 Mar 2019 15:06

Instrument :

MSVOA_F

ClientSampleId :

VF0312SBL01

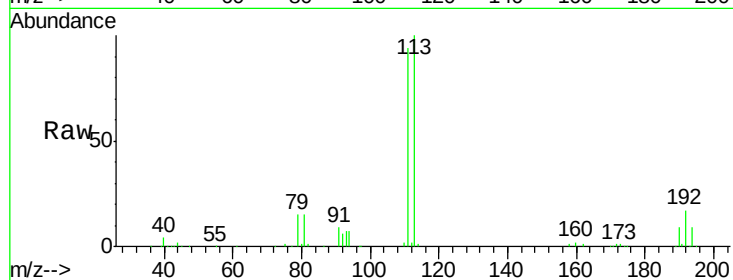
Tot Ion:113 Resp: 189980

Ion Ratio Lower Upper

113 100

111 93.8 77.6 116.4

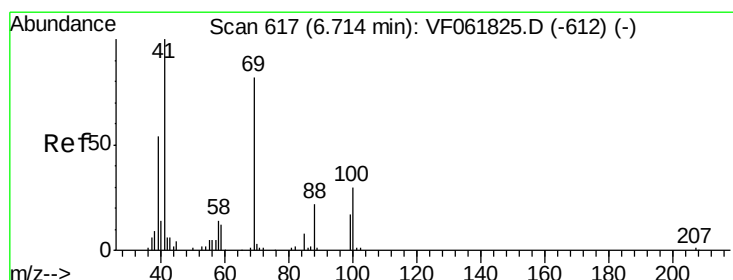
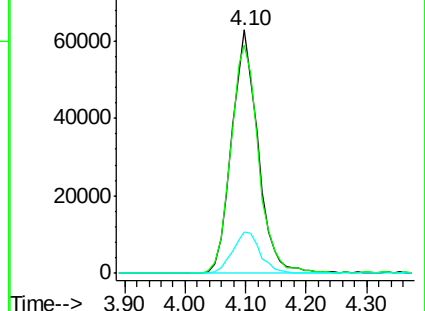
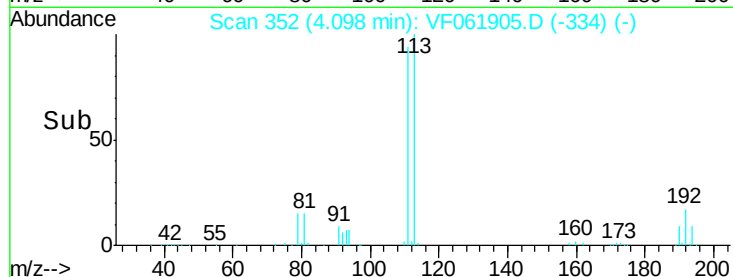
192 17.0 15.9 23.9



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: 4.566 ug/l

RT: 6.73 min Scan# 619

Delta R.T. 0.02 min

Lab File: VF061905.D

Acq: 12 Mar 2019 15:06

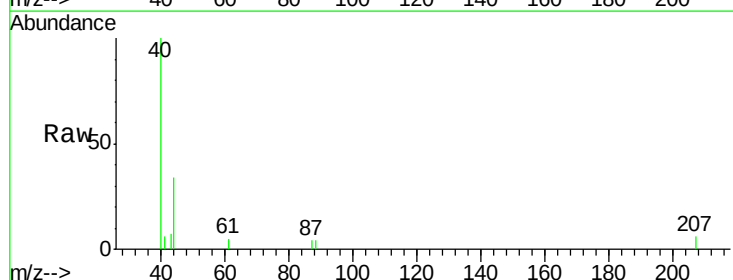
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

43 174.5 28.4 42.6#

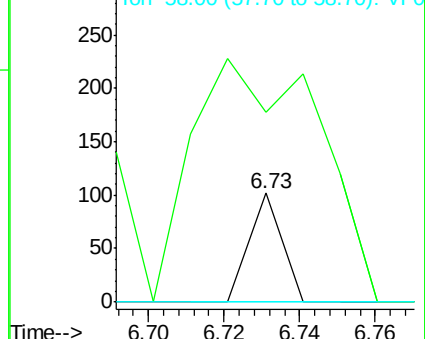
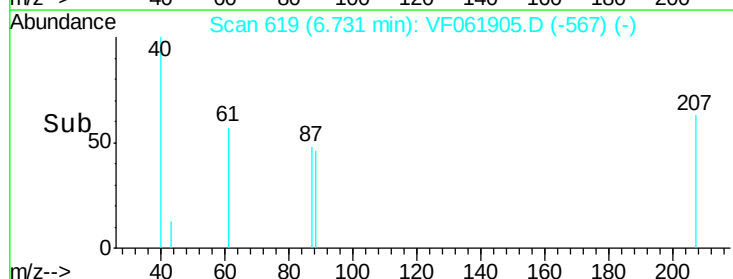
58 0.0 50.7 76.1#

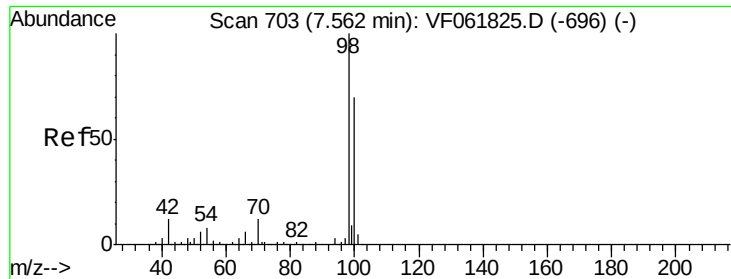


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

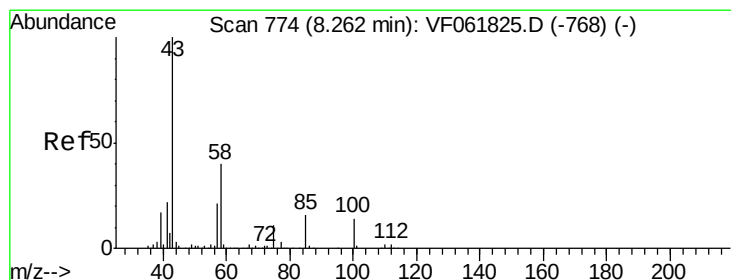
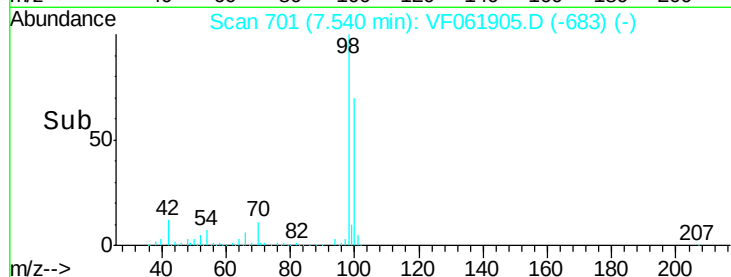
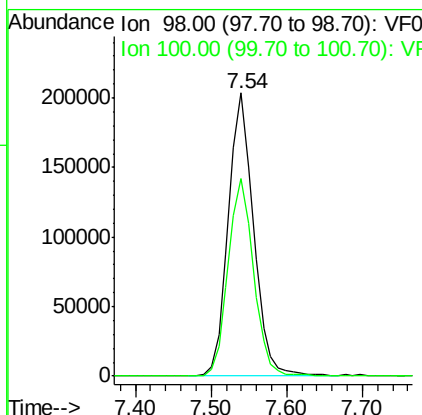
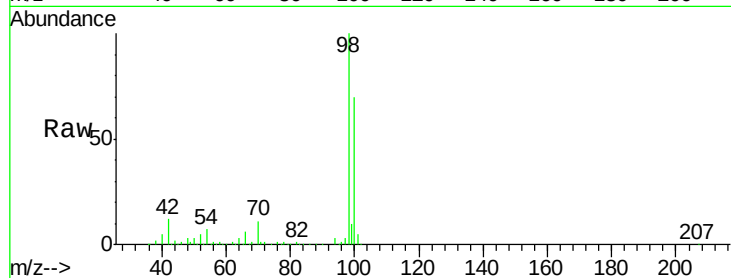




#50
Toluene-d8
Concen: 48.865 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061905.D
Acq: 12 Mar 2019 15:06

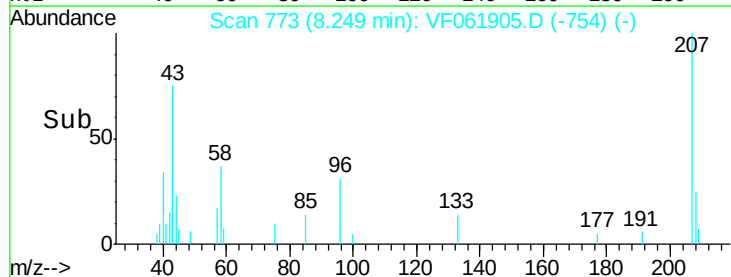
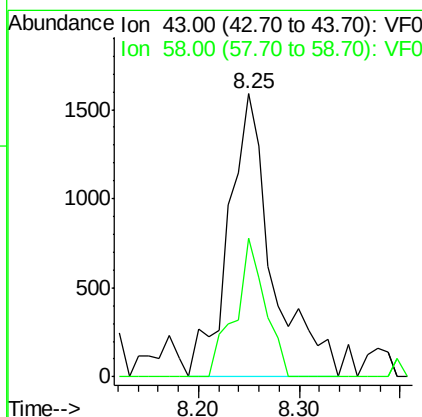
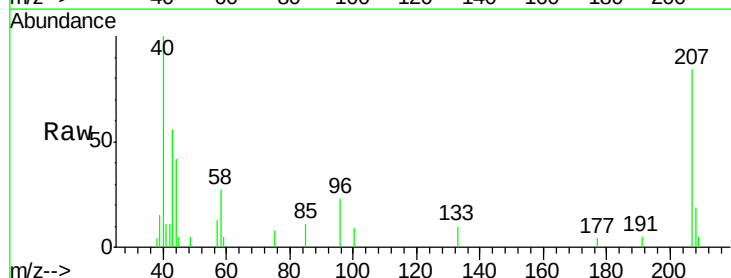
Instrument :
MSVOA_F
ClientSampleId :
VF0312SBL01

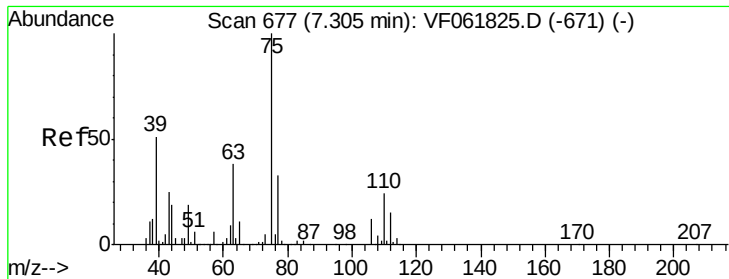
Tot Ion: 98 Resp: 471099
Ion Ratio Lower Upper
98 100
100 69.9 56.0 84.0



#51
4-Methyl-2-Pentanone
Concen: 3.040 ug/l
RT: 8.25 min Scan# 773
Delta R.T. -0.01 min
Lab File: VF061905.D
Acq: 12 Mar 2019 15:06

Tgt Ion: 43 Resp: 4773
Ion Ratio Lower Upper
43 100
58 48.8 31.8 47.8#





#58

2-Chloroethyl Vinyl ether

Concen: 1.181 ug/l

RT: 7.26 min Scan# 673

Delta R.T. -0.04 min

Lab File: VF061905.D

Acq: 12 Mar 2019 15:06

Instrument :

MSVOA_F

ClientSampleId :

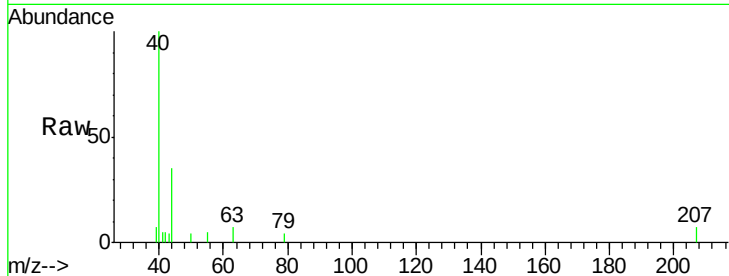
VF0312SBL01

Tot Ion: 63 Resp: 412

Ion Ratio Lower Upper

63 100

106 0.0 24.3 36.5#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.26

150

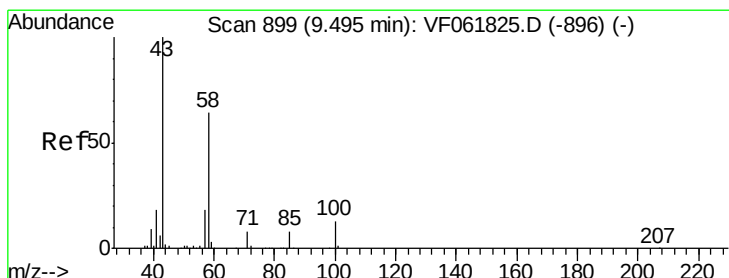
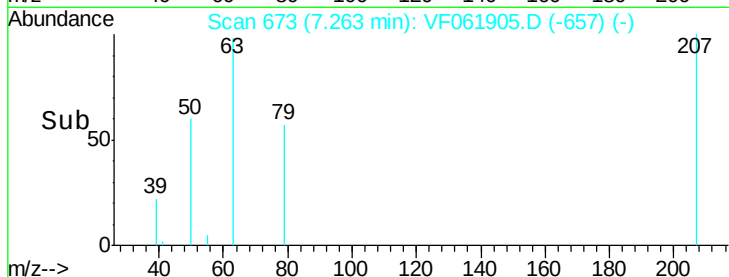
100

50

0

7.25 7.30 7.35

Time-->



#59

2-Hexanone

Concen: 5.263 ug/l

RT: 9.48 min Scan# 898

Delta R.T. -0.01 min

Lab File: VF061905.D

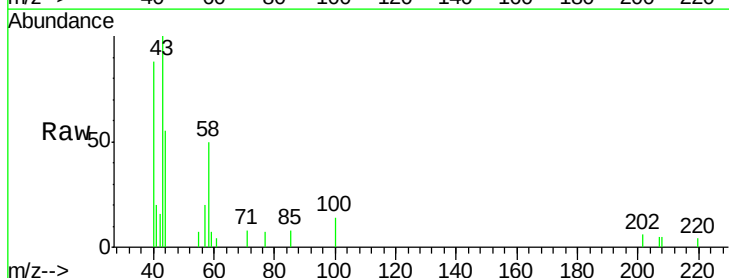
Acq: 12 Mar 2019 15:06

Tgt Ion: 43 Resp: 5961

Ion Ratio Lower Upper

43 100

58 49.6 28.8 86.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.48

2500

2000

1500

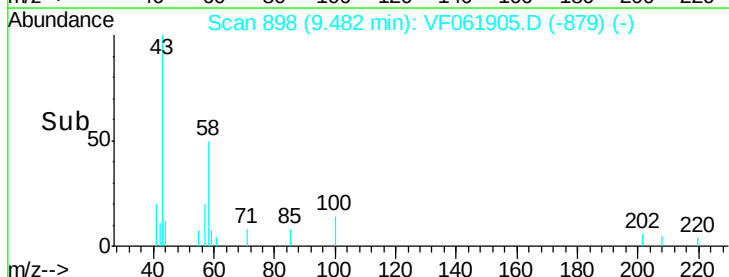
1000

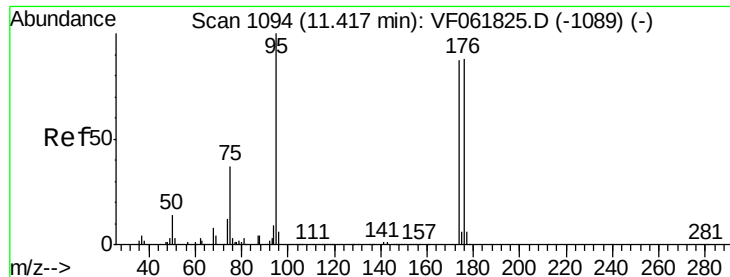
500

0

9.40 9.45 9.50 9.55

Time-->





#62

4-Bromofluorobenzene

Concen: 53.271 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061905.D

Acq: 12 Mar 2019 15:06

Instrument :

MSVOA_F

ClientSampleId :

VF0312SBL01

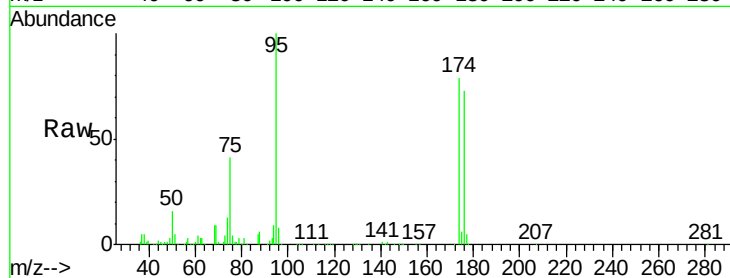
Tot Ion: 95 Resp: 201181

Ion Ratio Lower Upper

95 100

174 79.4 0.0 174.0

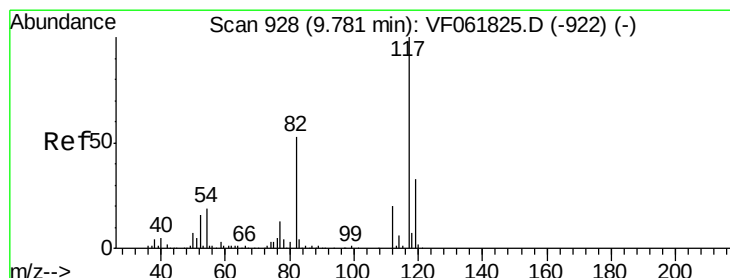
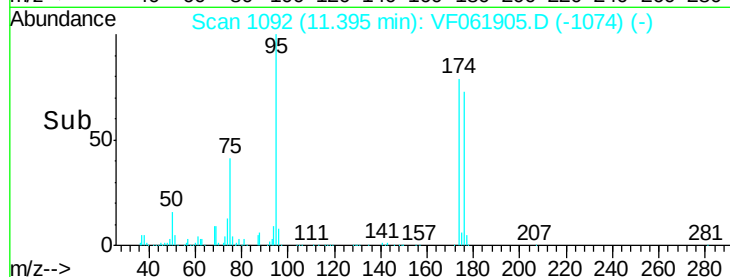
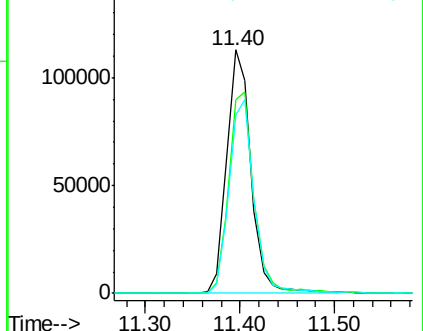
176 73.2 0.0 175.2



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: 9.76 min Scan# 926

Delta R.T. -0.02 min

Lab File: VF061905.D

Acq: 12 Mar 2019 15:06

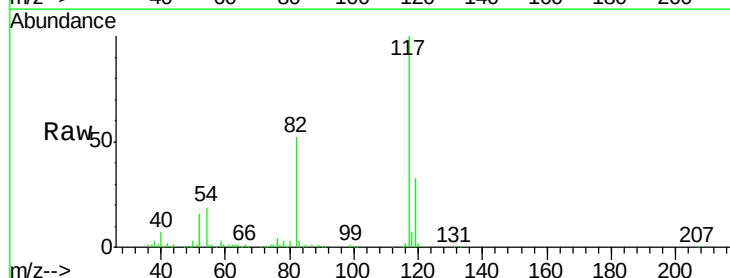
Tgt Ion: 117 Resp: 378858

Ion Ratio Lower Upper

117 100

82 51.6 42.6 63.8

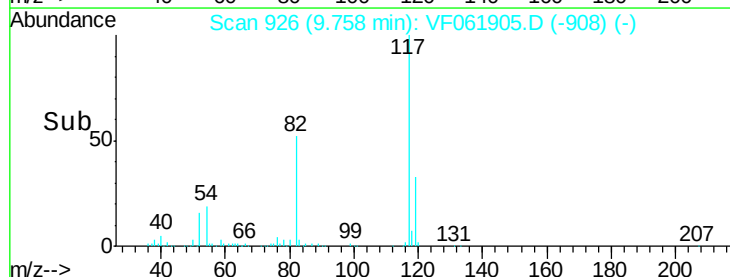
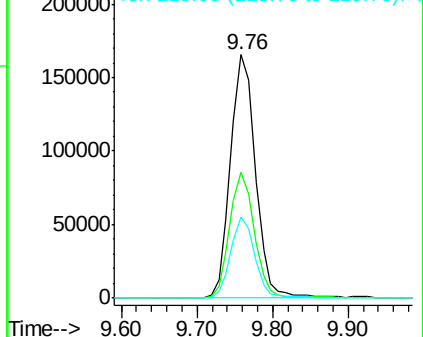
119 33.5 26.0 39.0

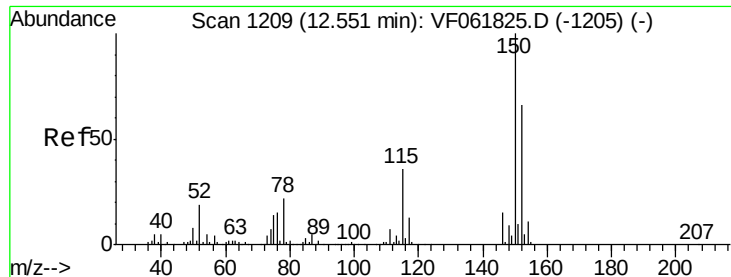


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



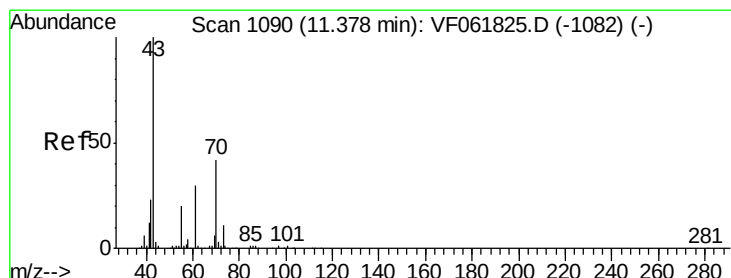
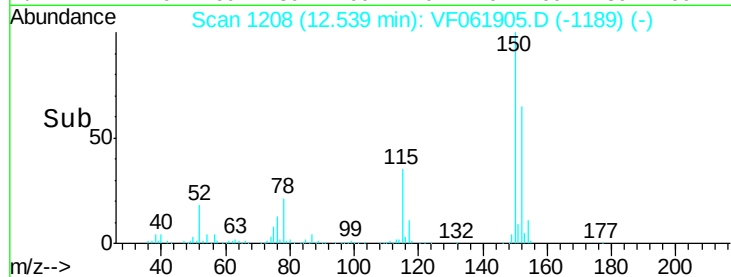
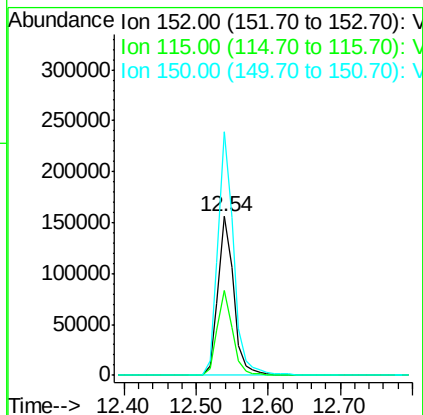
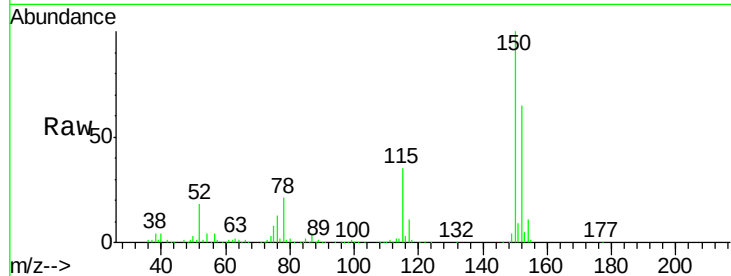


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061905.D
Acq: 12 Mar 2019 15:06

Instrument :
MSVOA_F
ClientSampleId :
VF0312SBL01

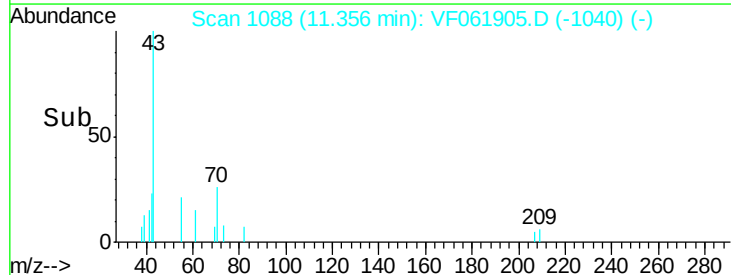
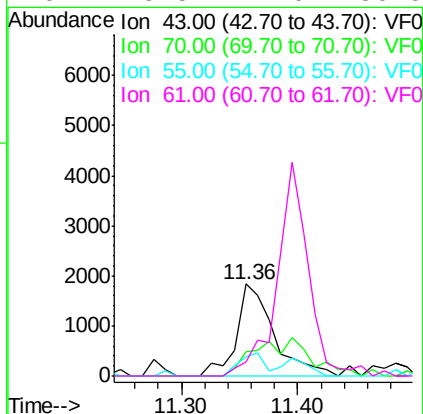
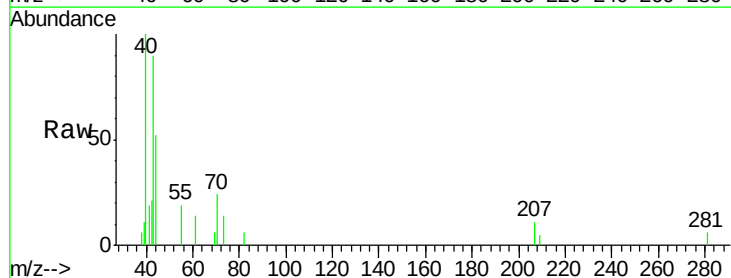
Tot Ion:152 Resp: 234088
Ion Ratio Lower Upper
152 100
115 53.6 27.7 83.1
150 153.3 0.0 304.2

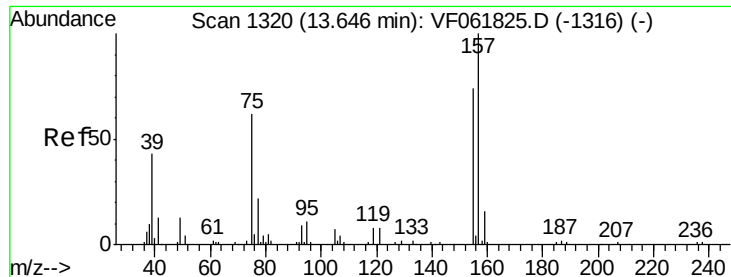


#74

N-amil acetate
Concen: 1.102 ug/l
RT: 11.36 min Scan# 1088
Delta R.T. -0.02 min
Lab File: VF061905.D
Acq: 12 Mar 2019 15:06

Tgt Ion: 43 Resp: 4088
Ion Ratio Lower Upper
43 100
70 26.2 33.4 50.0#
55 20.9 16.3 24.5
61 15.5 24.0 36.0#

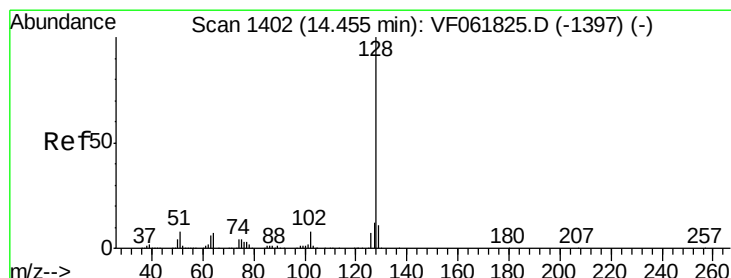
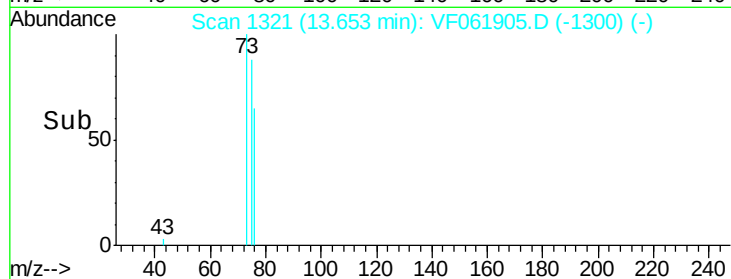
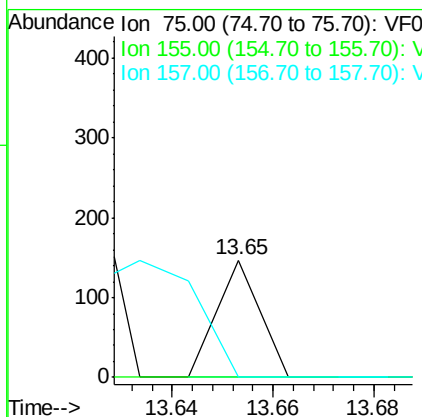
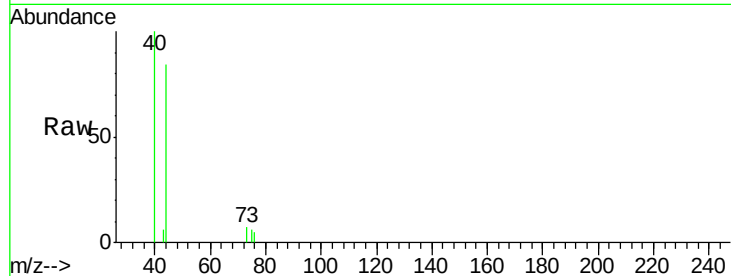




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.940 ug/l
 RT: 13.65 min Scan# 1321
 Delta R.T. 0.01 min
 Lab File: VF061905.D
 Acq: 12 Mar 2019 15:06

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0312SBL01

Tot Ion: 75 Resp: 87
 Ion Ratio Lower Upper
 75 100
 155 0.0 59.8 179.4#
 157 0.0 81.2 243.4#



#95
 Naphthalene
 Concen: 1.490 ug/l
 RT: 14.45 min Scan# 1402
 Delta R.T. -0.00 min
 Lab File: VF061905.D
 Acq: 12 Mar 2019 15:06

Tgt Ion: 128 Resp: 12981
 Ion Ratio Lower Upper
 128 100
 127 14.4 9.3 13.9#
 129 13.4 8.8 13.2#

