

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031819\
 Data File : VF061990.D
 Acq On : 18 Mar 2019 11:37
 Operator : VA/AP
 Sample : VF0318SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 19 01:20:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	297448	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.57	114	445848	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	366134	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	218059	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	111112	51.89	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	103.78%	
35) Dibromofluoromethane	4.09	113	151722	50.68	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	101.36%	
50) Toluene-d8	7.53	98	399739	45.67	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	91.34%	
62) 4-Bromofluorobenzene	11.40	95	170736	49.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.22%	

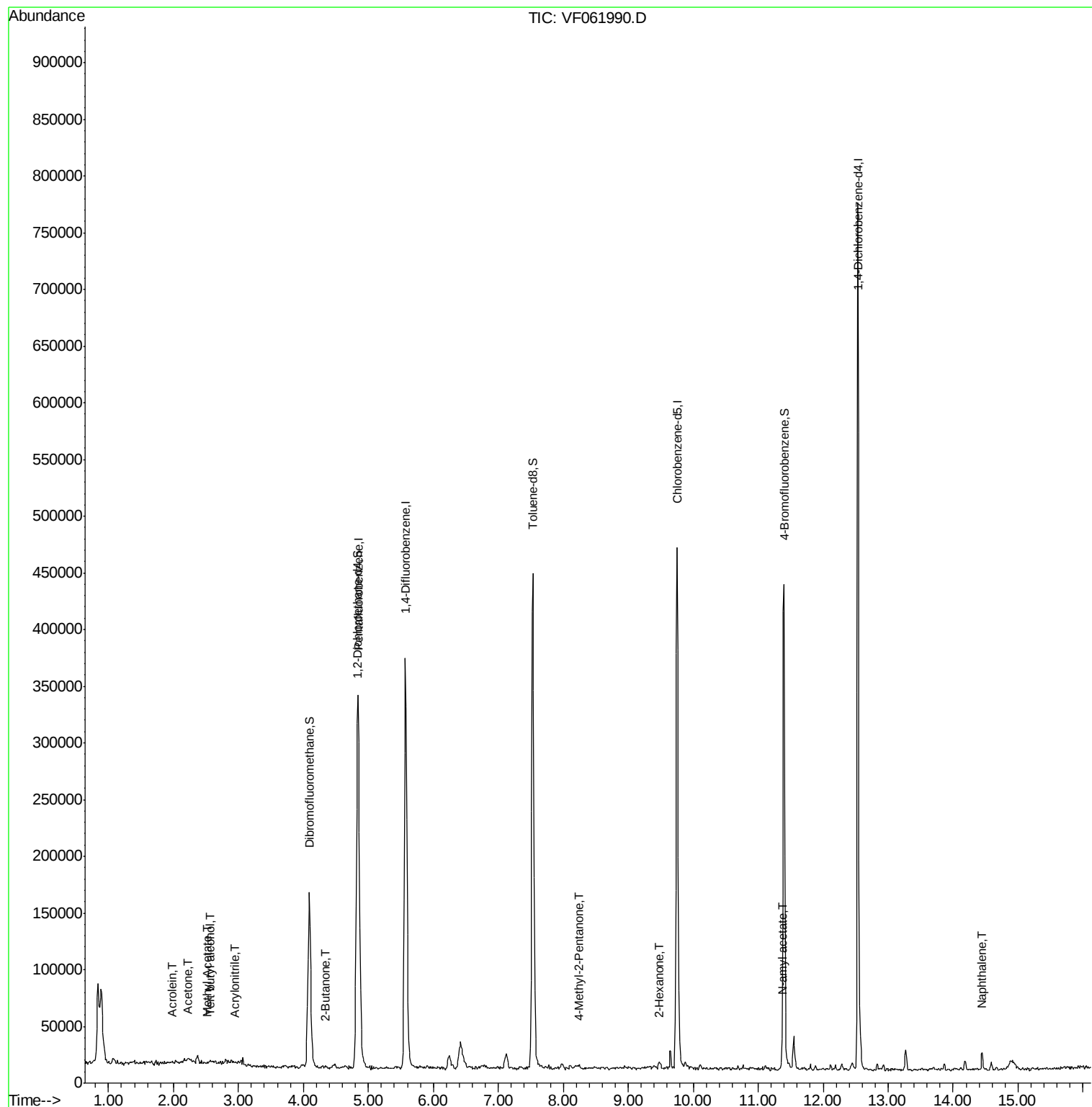
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	156	1.191	ug/l #	71
13) Acrolein	1.98	56	766	5.416	ug/l #	21
15) Acrylonitrile	2.94	53	867	2.176	ug/l #	77
16) Acetone	2.23	43	3817	7.939	ug/l	97
18) Methyl Acetate	2.51	43	1422	1.446	ug/l	98
25) 2-Butanone	4.33	43	1253	1.316	ug/l #	51
51) 4-Methyl-2-Pentanone	8.24	43	2778	1.829	ug/l #	70
59) 2-Hexanone	9.48	43	4142	3.768	ug/l	100
74) N-amyl acetate	11.36	43	3571	1.035	ug/l #	93
95) Naphthalene	14.45	128	10354	1.302	ug/l #	92

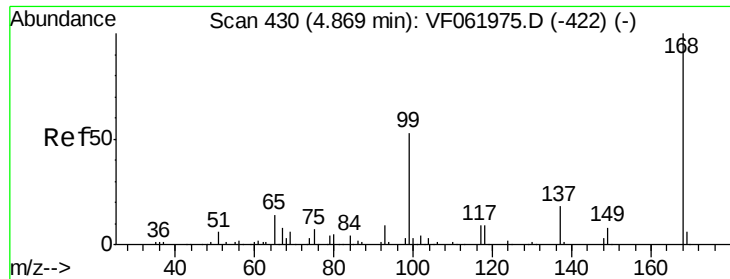
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 19 01:20:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061990.D

Acq: 18 Mar 2019 11:37

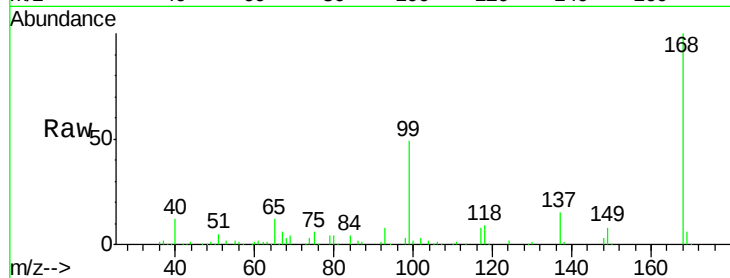
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 297448

Ion Ratio Lower Upper

168 100

99 48.7 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF061975.D (-422) (-)

Ion 99.00 (98.70 to 99.70): VF061975.D (-422) (-)

4.85

100000

80000

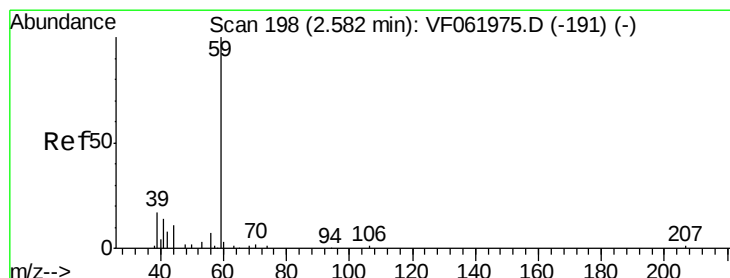
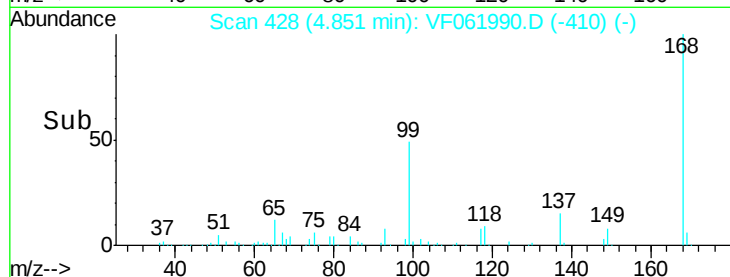
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.191 ug/l

RT: 2.56 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF061990.D

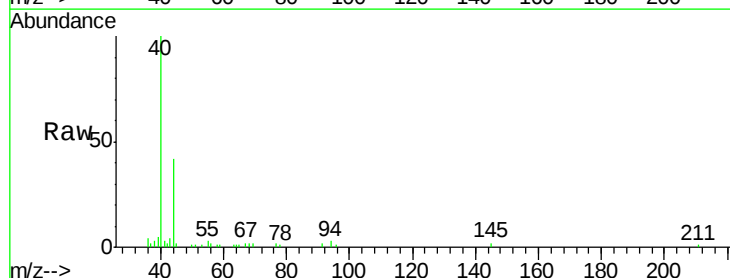
Acq: 18 Mar 2019 11:37

Tgt Ion: 59 Resp: 156

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF061975.D (-191) (-)

Ion 57.00 (56.70 to 57.70): VF061975.D (-191) (-)

2.56

200

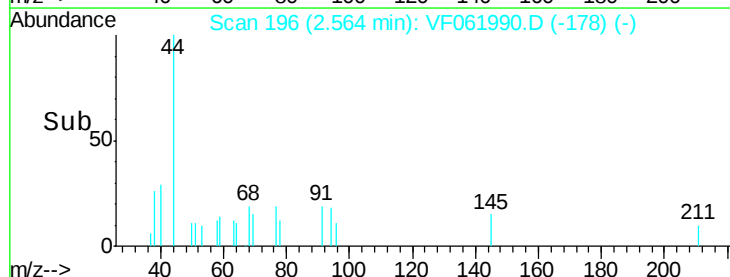
150

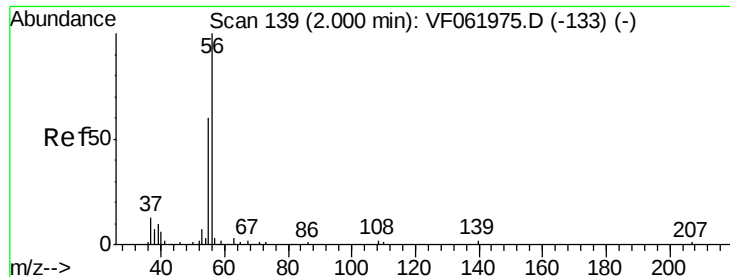
100

50

0

Time-->





#13

Acrolein

Concen: 5.416 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.02 min

Lab File: VF061990.D

Acq: 18 Mar 2019 11:37

Instrument :

MSVOA_F

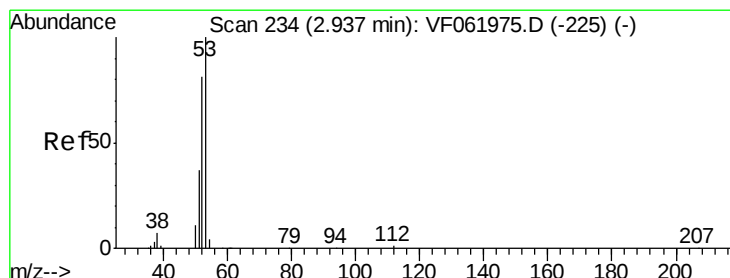
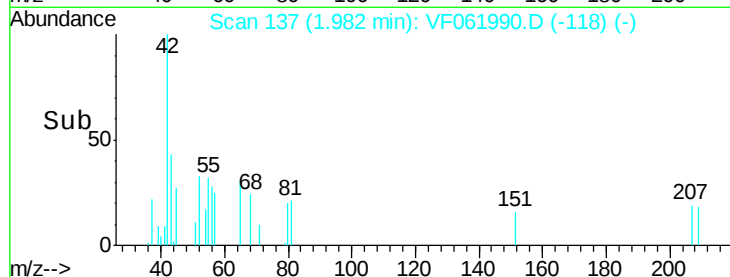
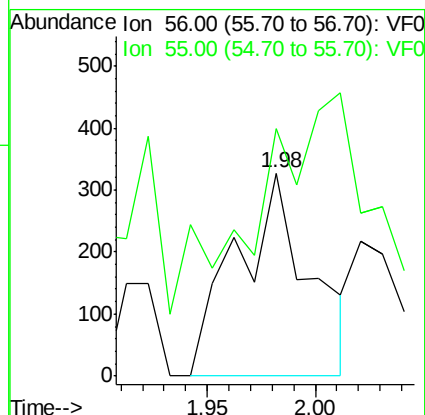
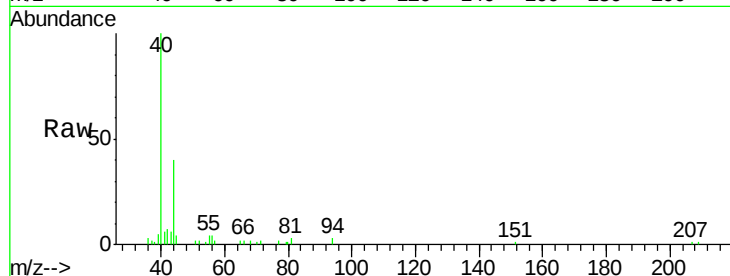
ClientSampleId :

Tot Ion: 56 Resp: 766

Ion Ratio Lower Upper

56 100

55 122.0 49.1 73.7#



#15

Acrylonitrile

Concen: 2.176 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061990.D

Acq: 18 Mar 2019 11:37

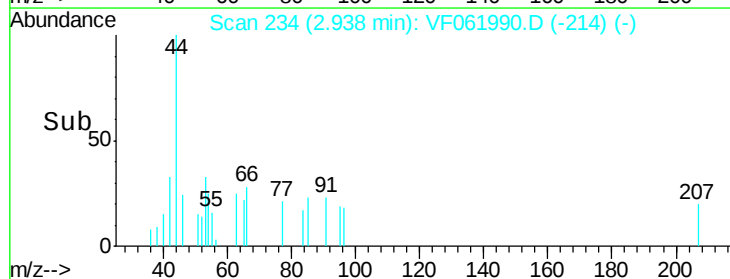
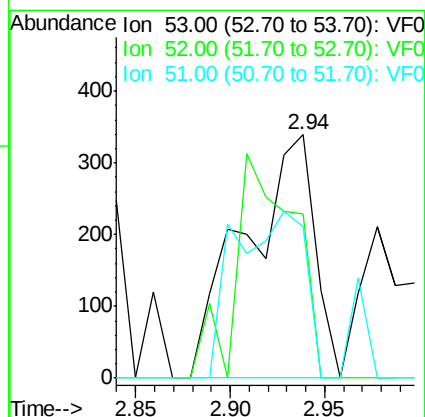
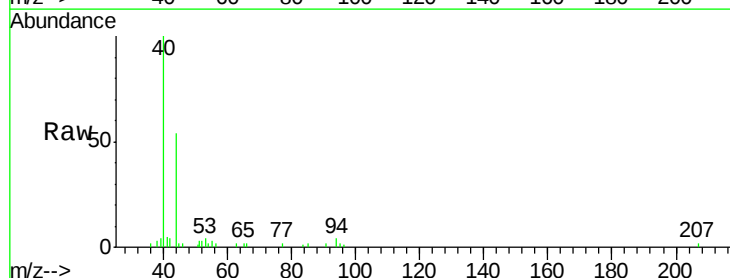
Tgt Ion: 53 Resp: 867

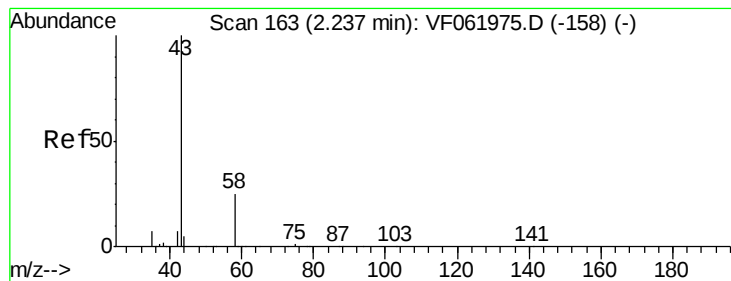
Ion Ratio Lower Upper

53 100

52 67.6 64.4 96.6

51 62.5 30.3 45.5#





#16

Acetone

Concen: 7.939 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061990.D

Acq: 18 Mar 2019 11:37

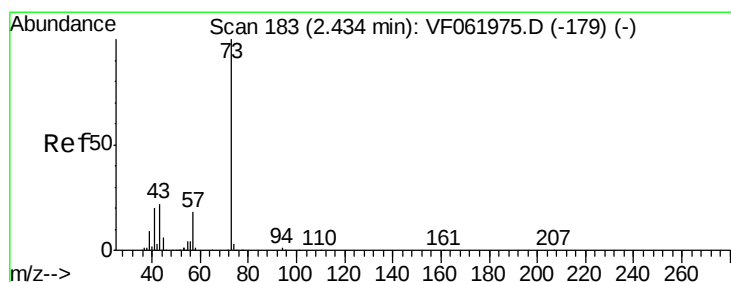
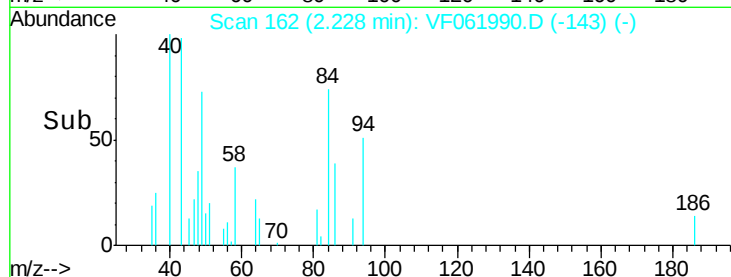
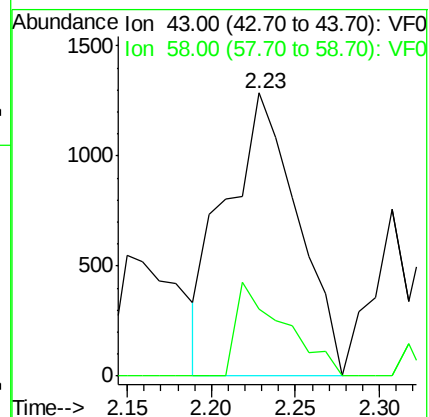
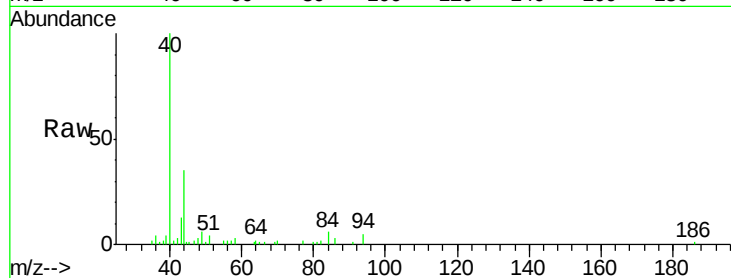
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 3817

Ion Ratio Lower Upper

43 100

58 23.5 19.9 29.9



#18

Methyl Acetate

Concen: 1.446 ug/l

RT: 2.51 min Scan# 191

Delta R.T. 0.08 min

Lab File: VF061990.D

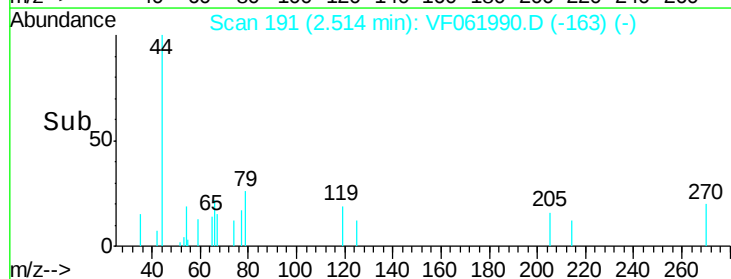
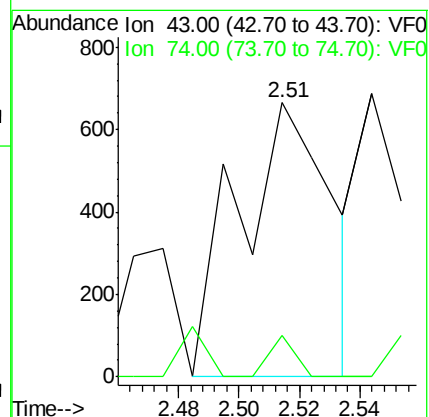
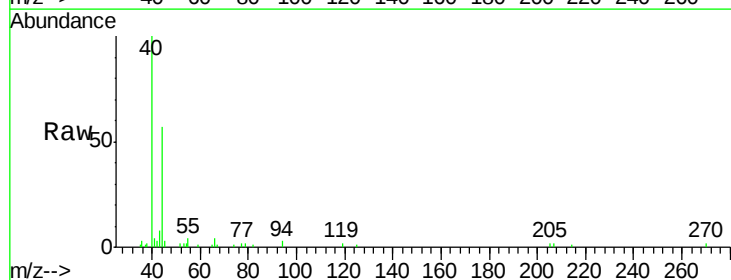
Acq: 18 Mar 2019 11:37

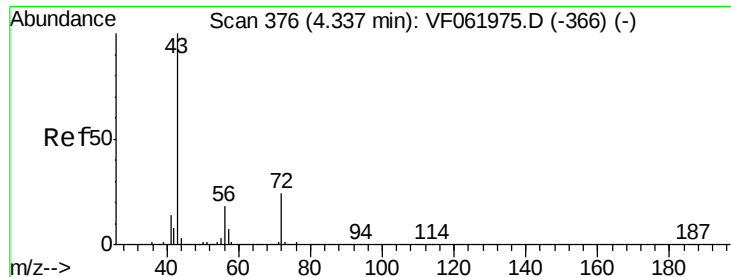
Tgt Ion: 43 Resp: 1422

Ion Ratio Lower Upper

43 100

74 15.0 12.6 18.8





#25

2-Butanone

Concen: 1.316 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF061990.D

Acq: 18 Mar 2019 11:37

Instrument :

MSVOA_F

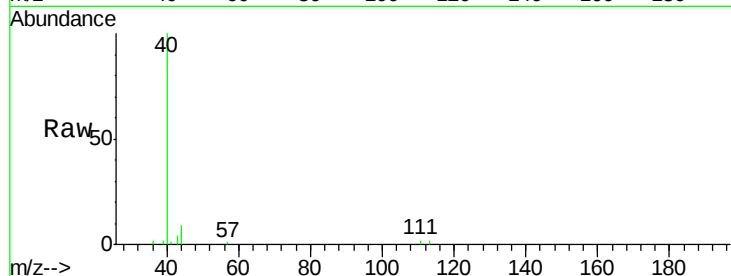
ClientSampleId :

Tot Ion: 43 Resp: 1253

Ion Ratio Lower Upper

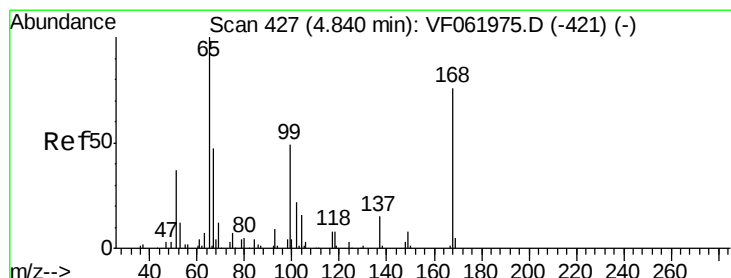
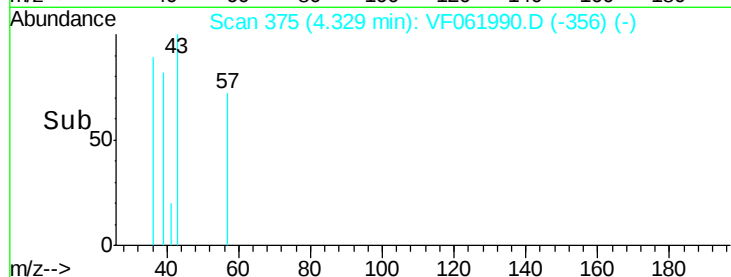
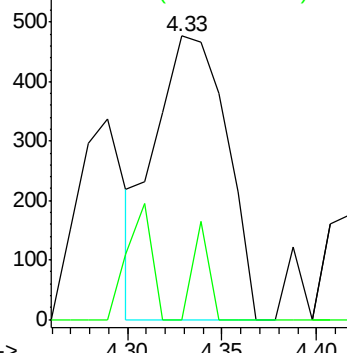
43 100

72 0.0 19.8 29.6#



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: 51.894 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.02 min

Lab File: VF061990.D

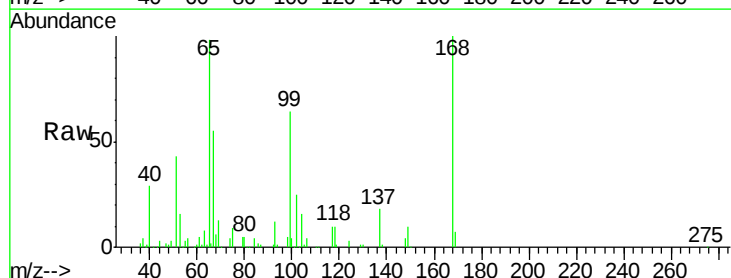
Acq: 18 Mar 2019 11:37

Tgt Ion: 65 Resp: 111112

Ion Ratio Lower Upper

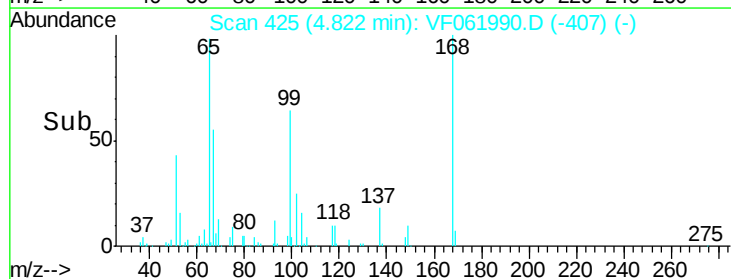
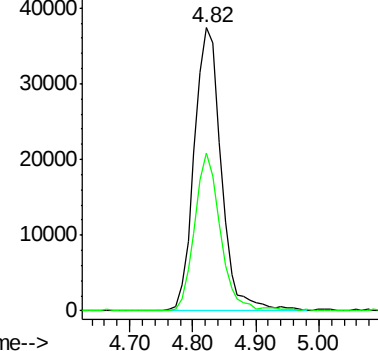
65 100

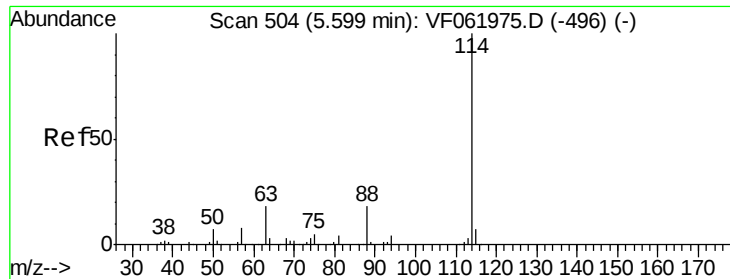
67 55.9 0.0 109.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

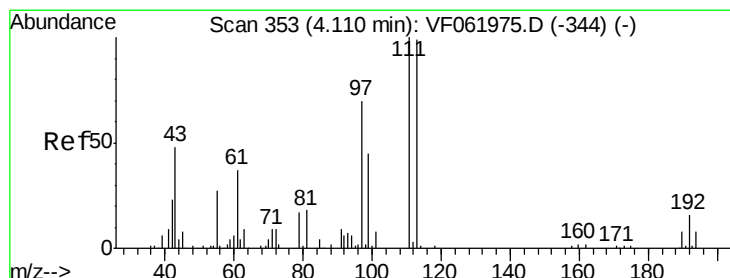
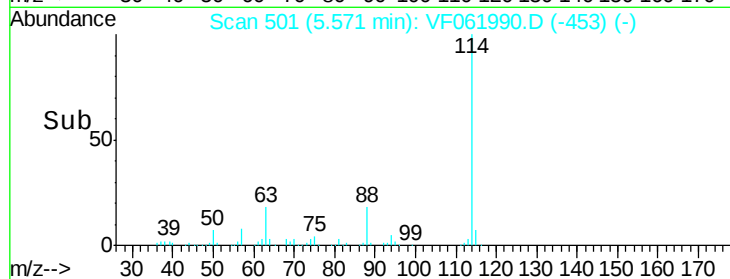
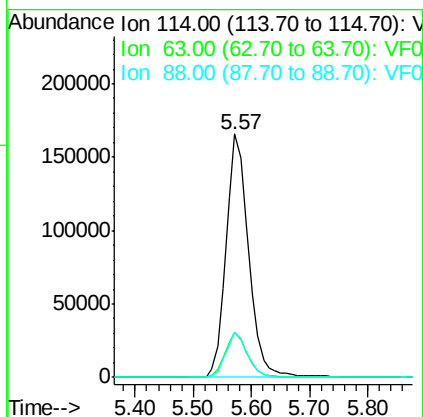
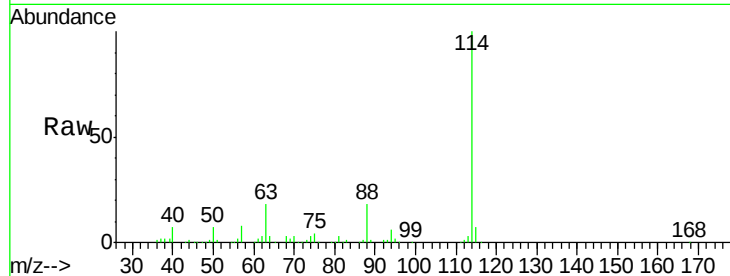




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.57 min Scan# 501
 Delta R.T. -0.03 min
 Lab File: VF061990.D
 Acq: 18 Mar 2019 11:37

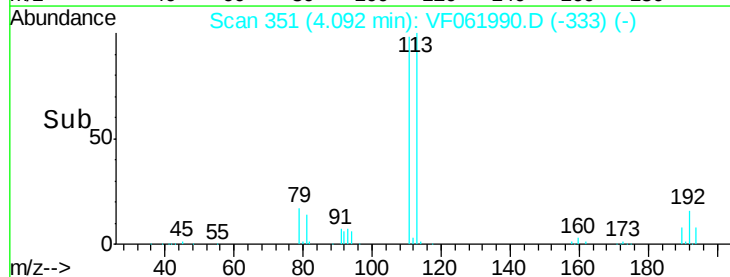
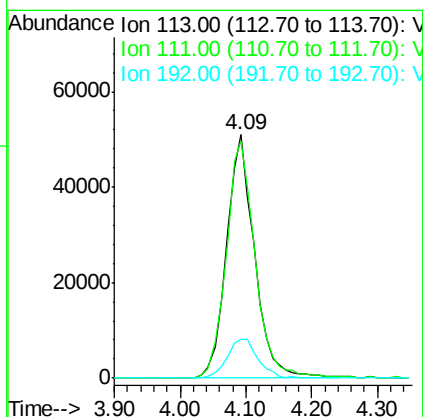
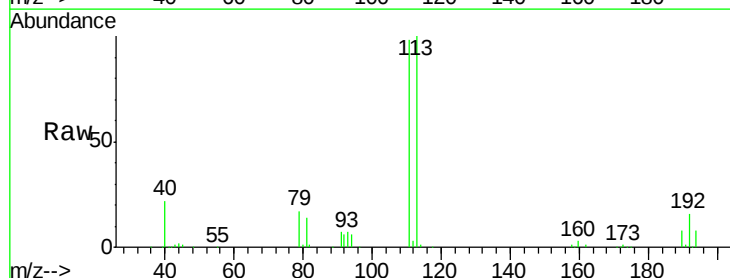
Instrument :
 MSVOA_F
 ClientSampleId :

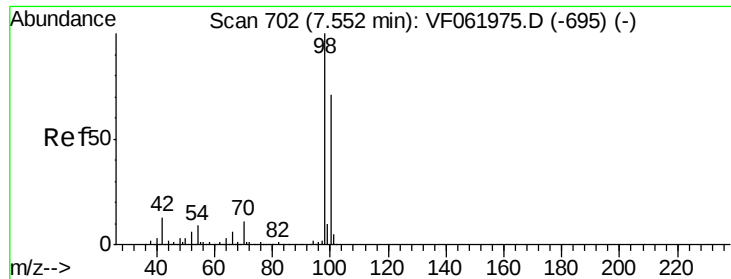
Tot Ion:114 Resp: 445848
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.4
 88 18.5 0.0 36.4



#35
 Dibromofluoromethane
 Concen: 50.676 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VF061990.D
 Acq: 18 Mar 2019 11:37

Tgt Ion:113 Resp: 151722
 Ion Ratio Lower Upper
 113 100
 111 97.5 80.8 121.2
 192 16.2 13.0 19.6





#50

Toluene-d8

Concen: 45.673 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF061990.D

Acq: 18 Mar 2019 11:37

Instrument :

MSVOA_F

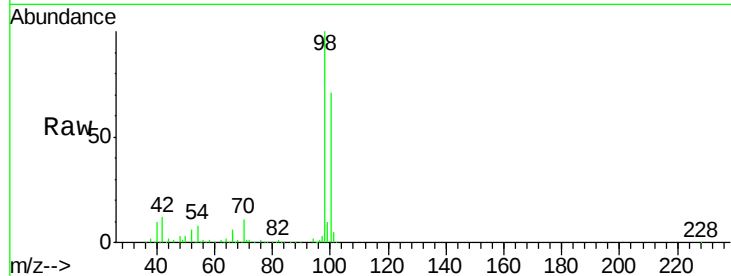
ClientSampleId :

Tot Ion: 98 Resp: 399739

Ion Ratio Lower Upper

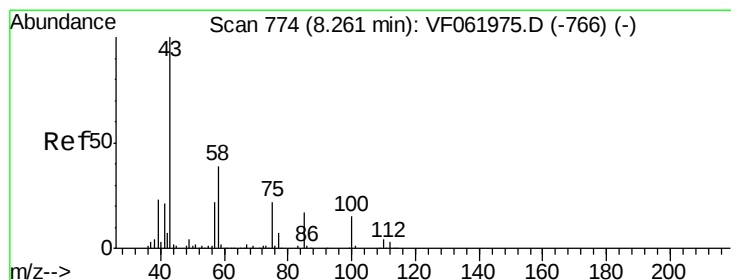
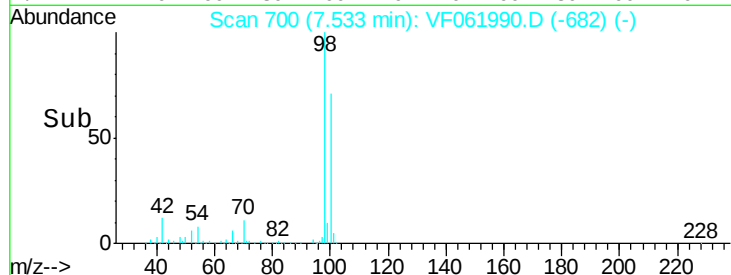
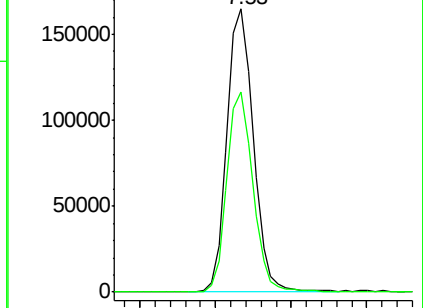
98 100

100 70.9 56.8 85.2



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: 1.829 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.02 min

Lab File: VF061990.D

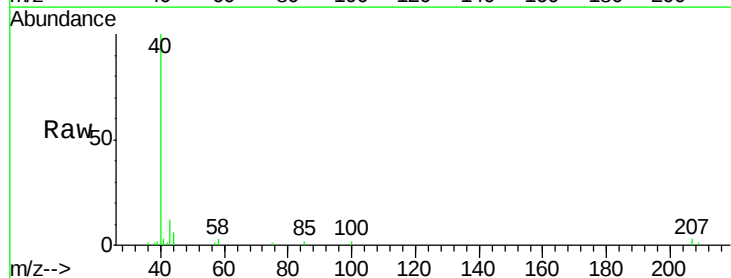
Acq: 18 Mar 2019 11:37

Tgt Ion: 43 Resp: 2778

Ion Ratio Lower Upper

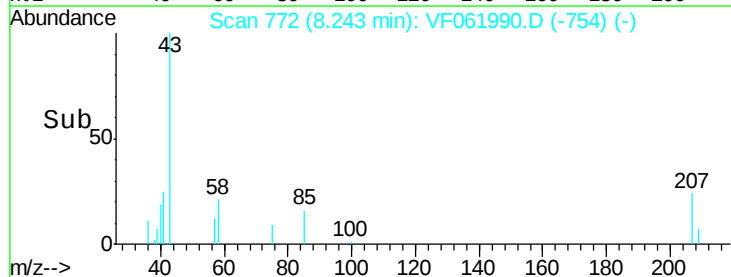
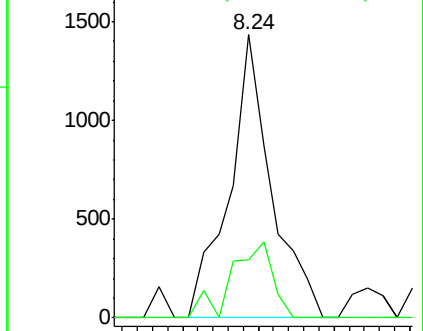
43 100

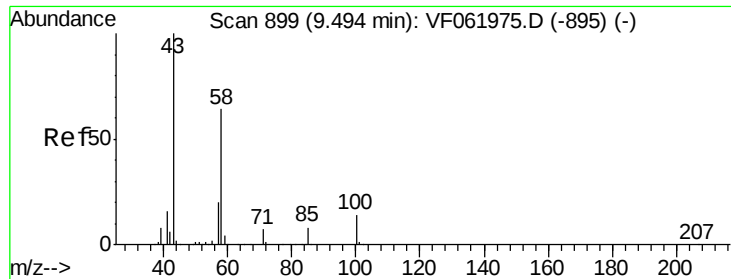
58 20.7 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

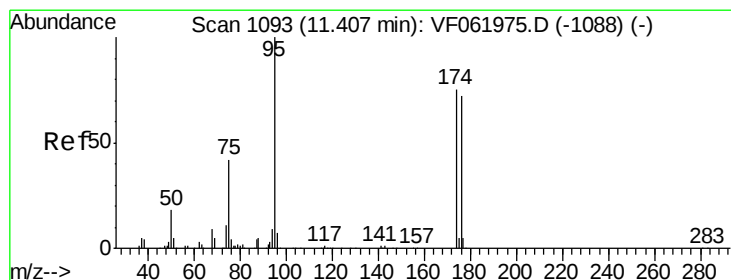
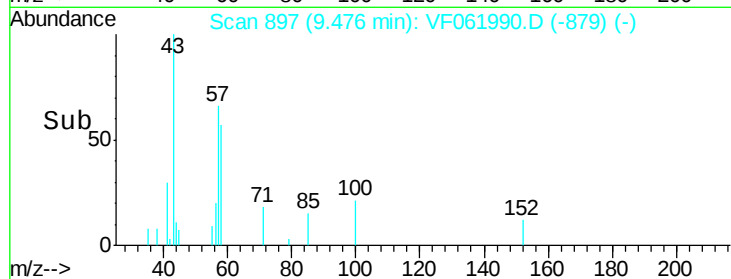
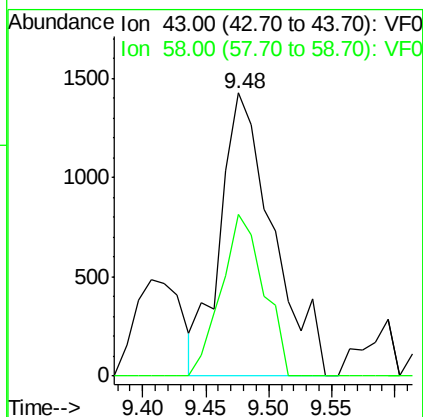
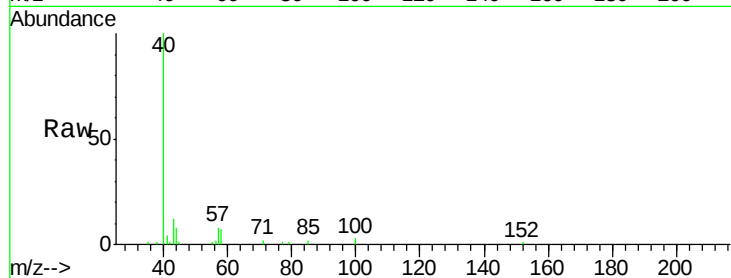




#59
2-Hexanone
Concen: 3.768 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF061990.D
Acq: 18 Mar 2019 11:37

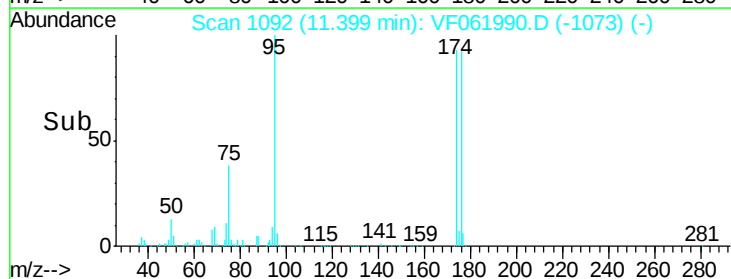
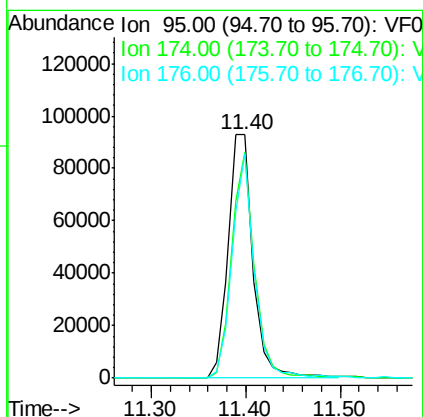
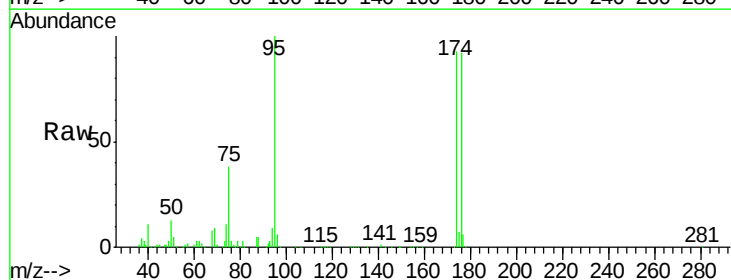
Instrument :
MSVOA_F
ClientSampleId :

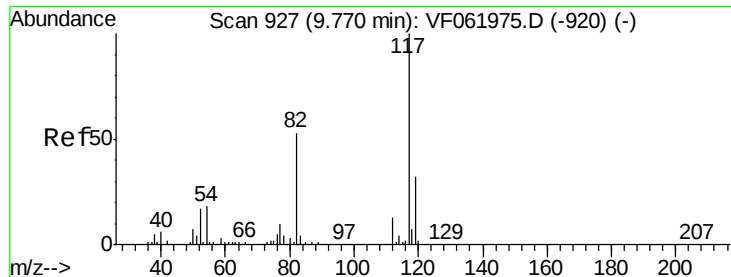
Tot Ion: 43 Resp: 4142
Ion Ratio Lower Upper
43 100
58 57.2 28.4 85.2



#62
4-Bromofluorobenzene
Concen: 49.106 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF061990.D
Acq: 18 Mar 2019 11:37

Tgt Ion: 95 Resp: 170736
Ion Ratio Lower Upper
95 100
174 92.8 0.0 149.4
176 92.1 0.0 143.4

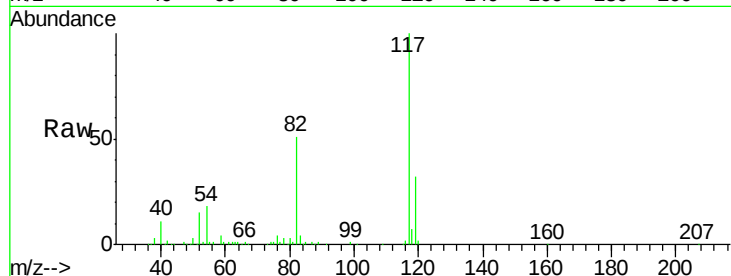




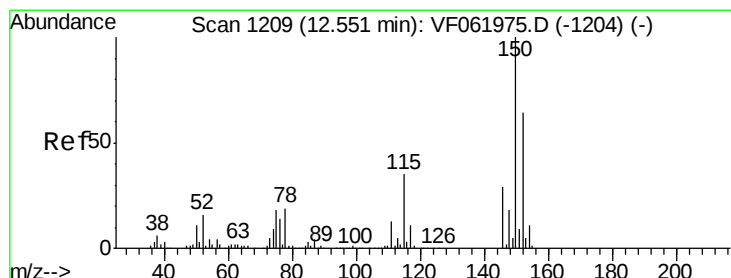
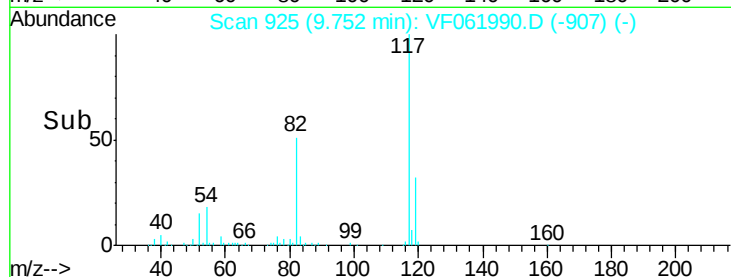
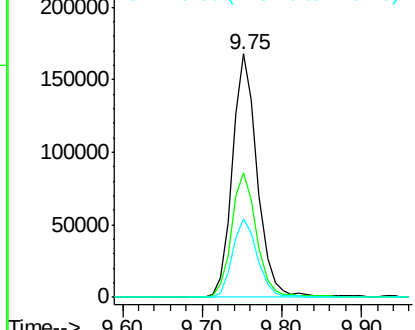
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF061990.D
Acq: 18 Mar 2019 11:37

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 366134
Ion Ratio Lower Upper
117 100
82 51.3 42.5 63.7
119 32.2 25.4 38.0

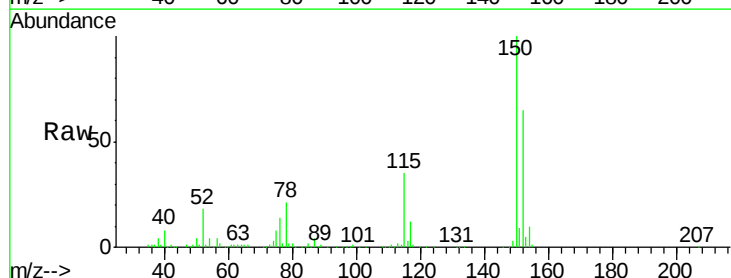


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

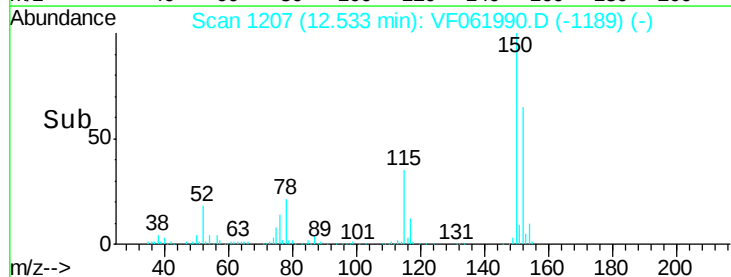
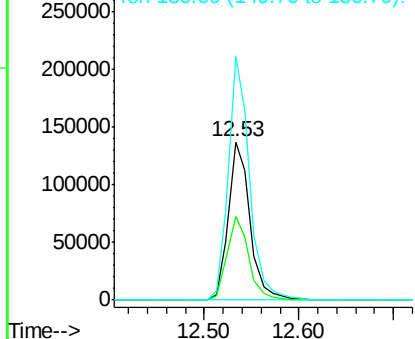


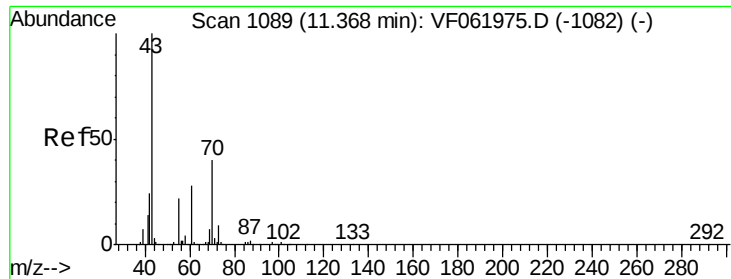
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF061990.D
Acq: 18 Mar 2019 11:37

Tgt Ion:152 Resp: 218059
Ion Ratio Lower Upper
152 100
115 53.1 27.3 81.9
150 153.7 0.0 316.2



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





#74

N-amyl acetate

Concen: 1.035 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061990.D

Acq: 18 Mar 2019 11:37

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 3571

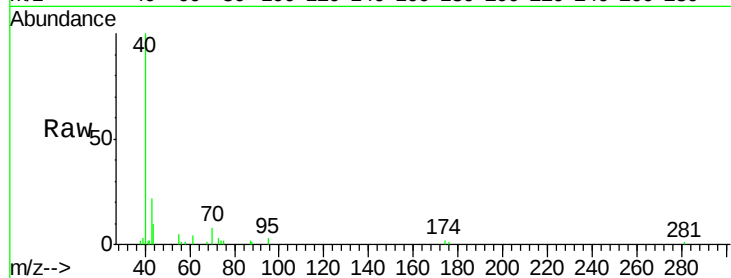
Ion Ratio Lower Upper

43 100

70 38.4 31.9 47.9

55 22.9 17.9 26.9

61 18.0 22.2 33.2#

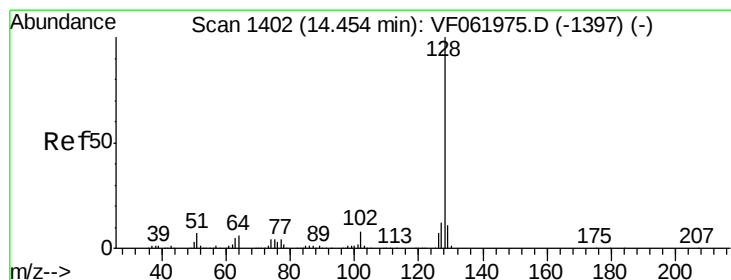
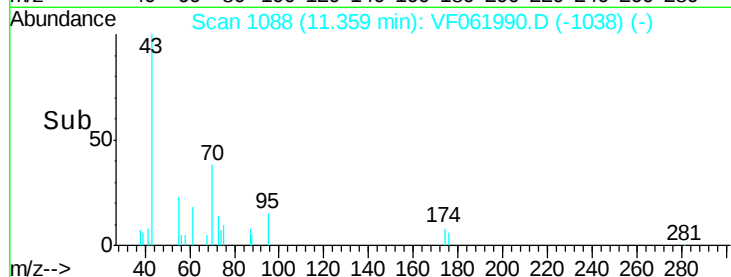
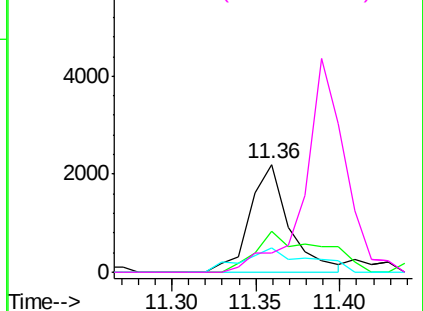


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#95

Naphthalene

Concen: 1.302 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. -0.01 min

Lab File: VF061990.D

Acq: 18 Mar 2019 11:37

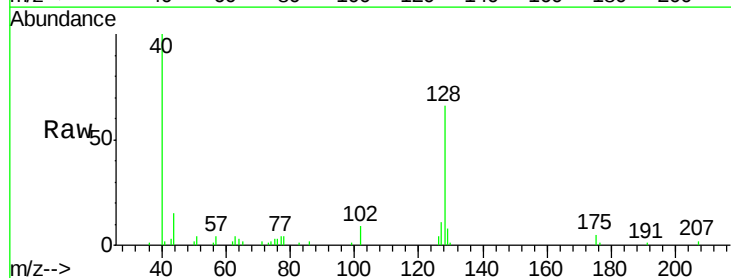
Tgt Ion: 128 Resp: 10354

Ion Ratio Lower Upper

128 100

127 16.6 9.3 13.9#

129 12.6 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

