

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031919\
 Data File : VF062011.D
 Acq On : 19 Mar 2019 11:45
 Operator : VA/AP
 Sample : VF0319SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 20 05:18:50 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	4.84	168	279610	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	439842	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	366820	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	202089	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	108840	54.08	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	108.16%	
35) Dibromofluoromethane	4.08	113	152235	51.54	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	103.08%	
50) Toluene-d8	7.52	98	405975	47.02	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	94.04%	
62) 4-Bromofluorobenzene	11.39	95	179864	52.44	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	104.88%	

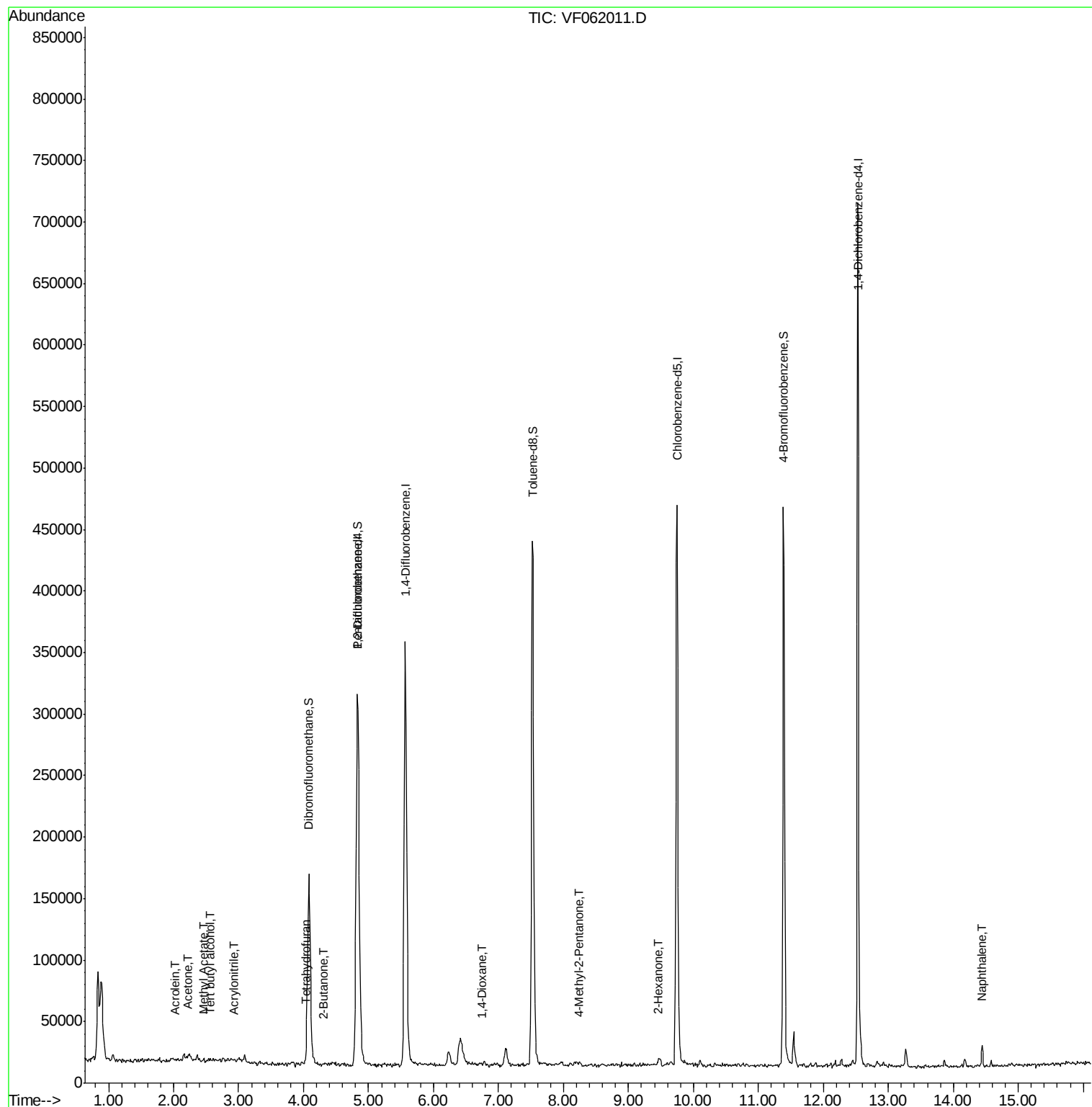
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	233	1.892	ug/l #	1
13) Acrolein	2.04	56	268	2.016	ug/l	93
15) Acrylonitrile	2.93	53	1090	2.910	ug/l #	66
16) Acetone	2.23	43	3201	7.082	ug/l	96
18) Methyl Acetate	2.45	43	1385	1.498	ug/l #	63
25) 2-Butanone	4.31	43	1795	2.005	ug/l #	51
29) Tetrahydrofuran	4.03	42	390	1.002	ug/l #	33
49) 1,4-Dioxane	6.74	88	66	5.441	ug/l #	1
51) 4-Methyl-2-Pentanone	8.24	43	3048	2.034	ug/l #	63
59) 2-Hexanone	9.47	43	4116	3.796	ug/l	92
95) Naphthalene	14.44	128	10144	1.376	ug/l	99

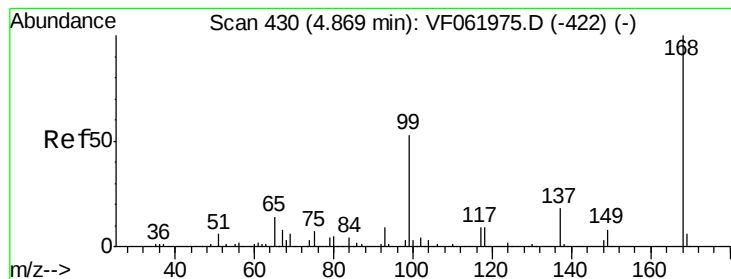
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 4.84 min Scan# 427

Delta R.T. -0.03 min

Lab File: VF062011.D

Acq: 19 Mar 2019 11:45

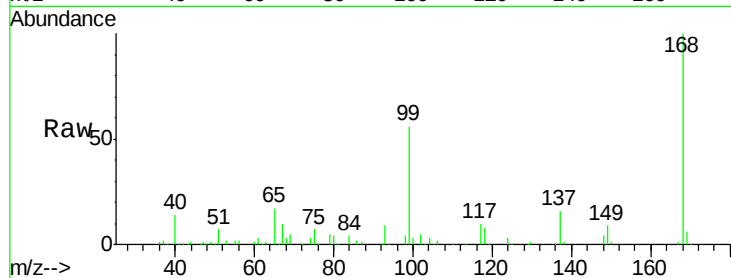
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 279610

Ion Ratio Lower Upper

168 100

99 55.5 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

80000

60000

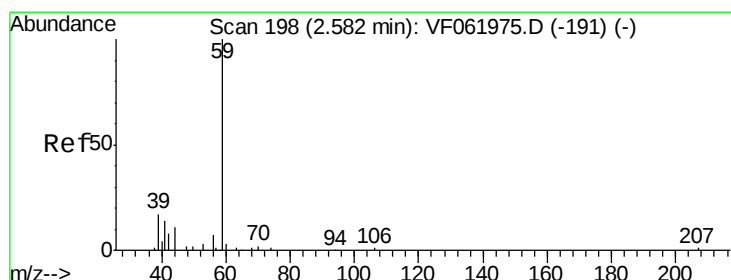
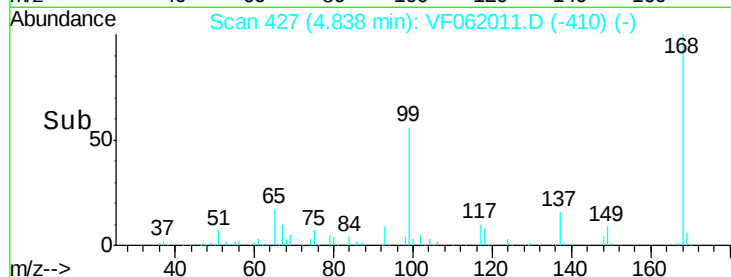
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#11

Tert butyl alcohol

Concen: 1.892 ug/l

RT: 2.57 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF062011.D

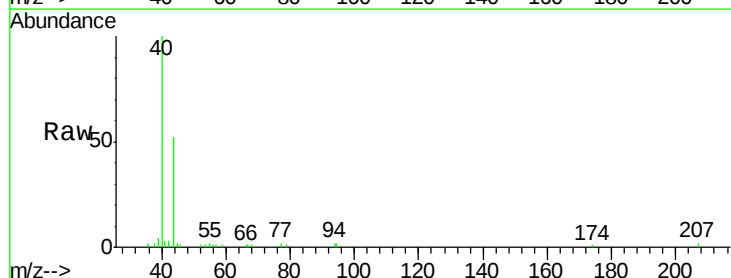
Acq: 19 Mar 2019 11:45

Tgt Ion: 59 Resp: 233

Ion Ratio Lower Upper

59 100

57 86.5 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.57

200

150

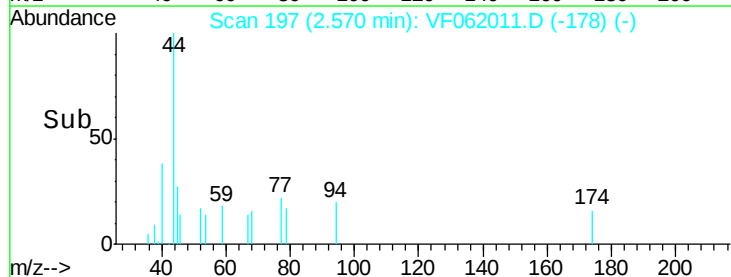
100

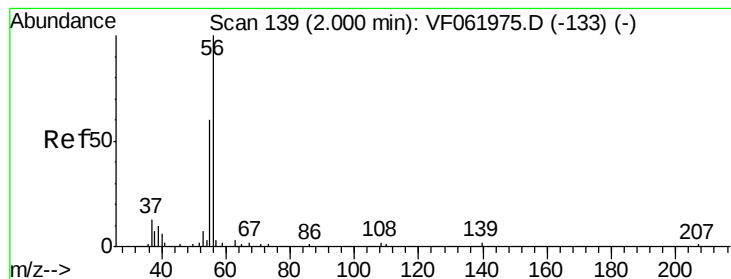
50

0

Time-->

2.55 2.60





#13

Acrolein

Concen: 2.016 ug/l

RT: 2.04 min Scan# 143

Delta R.T. 0.04 min

Lab File: VF062011.D

Acq: 19 Mar 2019 11:45

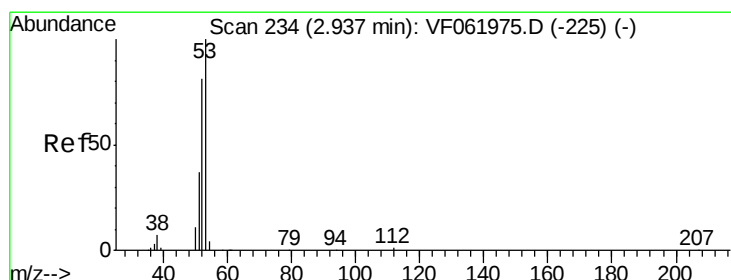
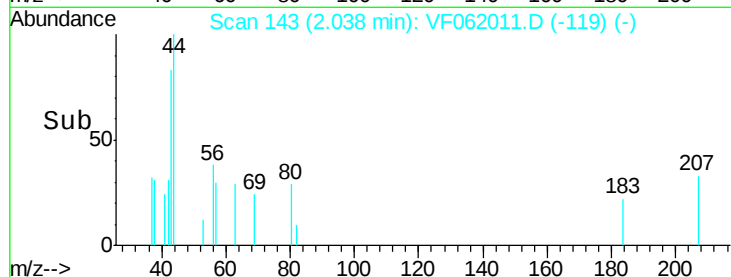
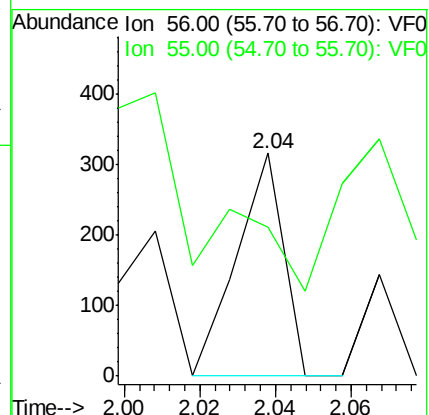
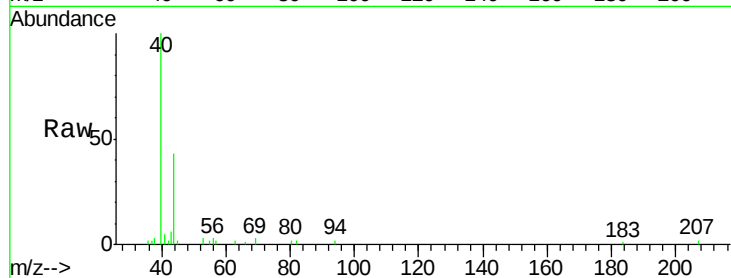
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 268

Ion Ratio Lower Upper

56 100

55 66.8 49.1 73.7



#15

Acrylonitrile

Concen: 2.910 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF062011.D

Acq: 19 Mar 2019 11:45

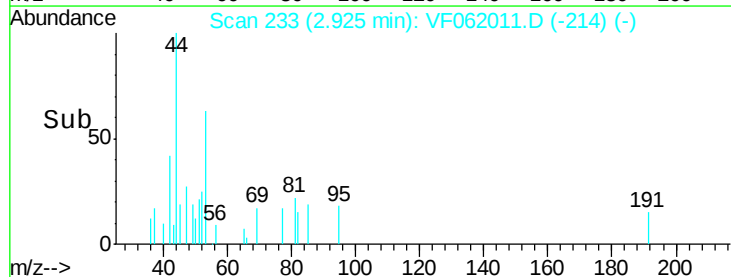
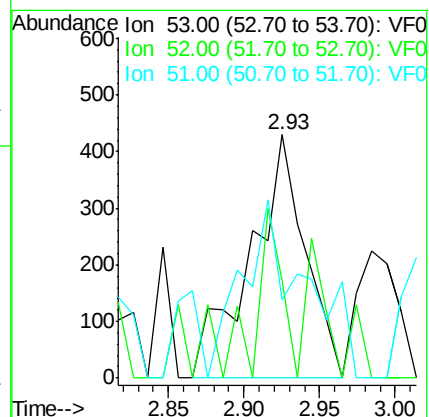
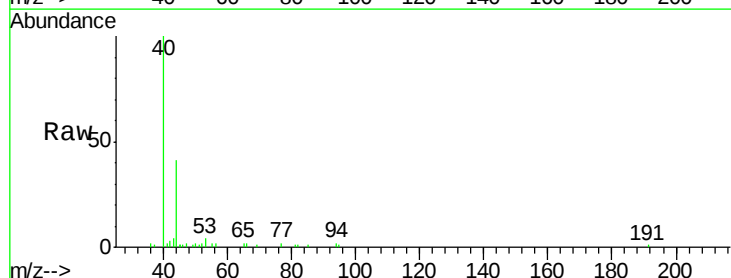
Tgt Ion: 53 Resp: 1090

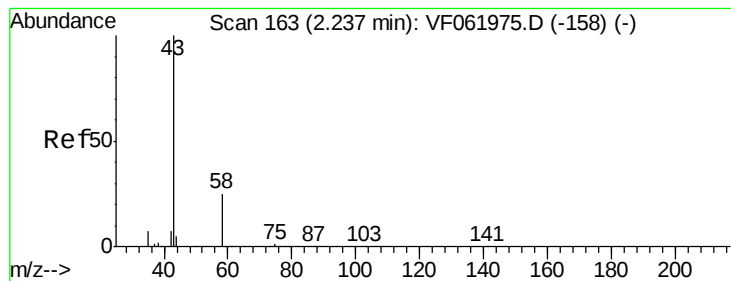
Ion Ratio Lower Upper

53 100

52 40.0 64.4 96.6#

51 32.3 30.3 45.5





#16

Acetone

Concen: 7.082 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF062011.D

Acq: 19 Mar 2019 11:45

Instrument :

MSVOA_F

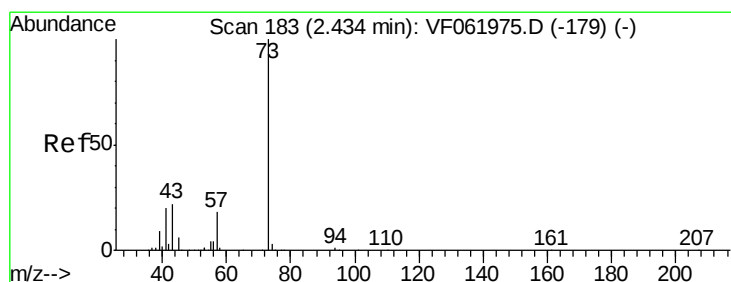
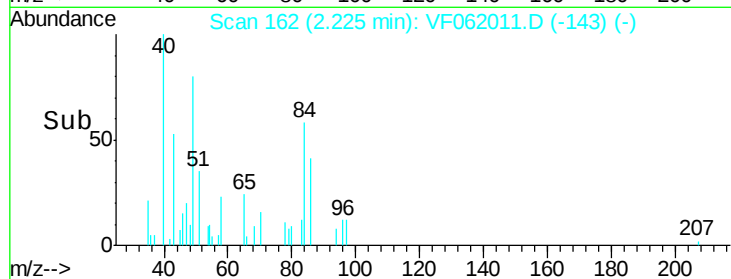
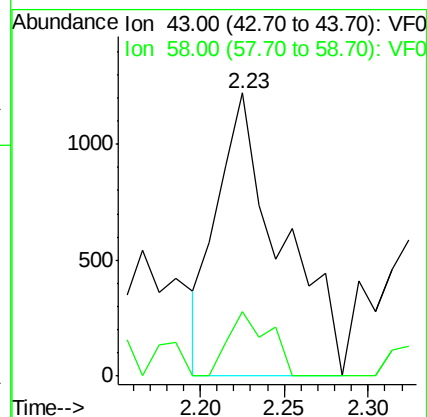
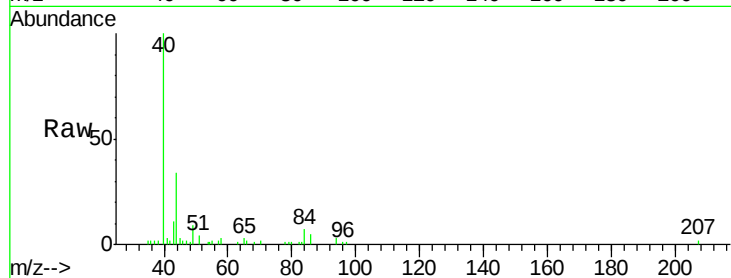
ClientSampled :

Tot Ion: 43 Resp: 3201

Ion Ratio Lower Upper

43 100

58 22.9 19.9 29.9



#18

Methyl Acetate

Concen: 1.498 ug/l

RT: 2.45 min Scan# 185

Delta R.T. 0.02 min

Lab File: VF062011.D

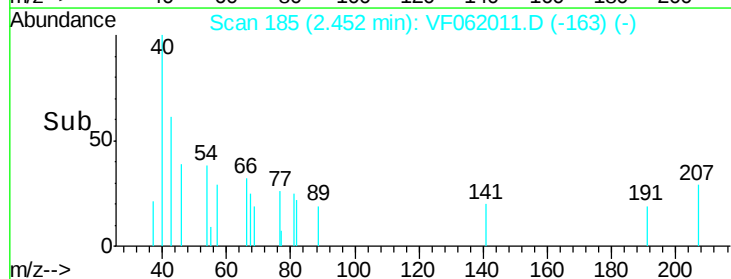
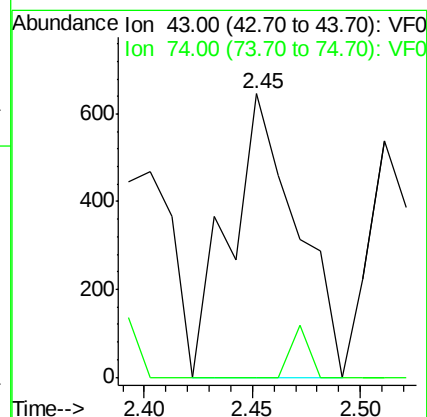
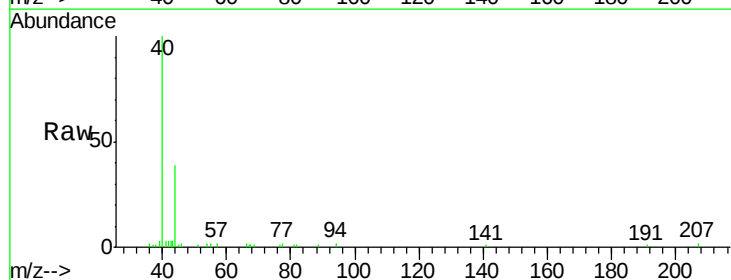
Acq: 19 Mar 2019 11:45

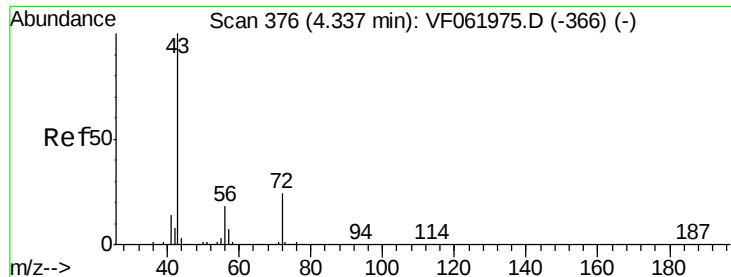
Tgt Ion: 43 Resp: 1385

Ion Ratio Lower Upper

43 100

74 0.0 12.6 18.8#





#25

2-Butanone

Concen: 2.005 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.03 min

Lab File: VF062011.D

Acq: 19 Mar 2019 11:45

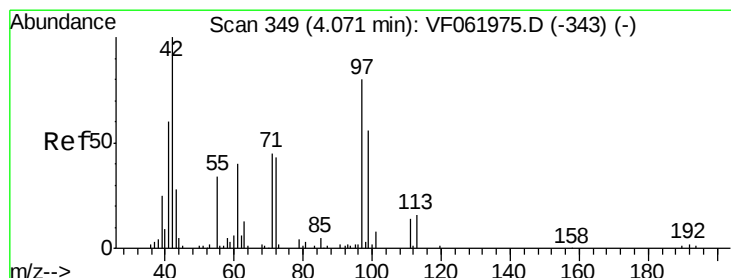
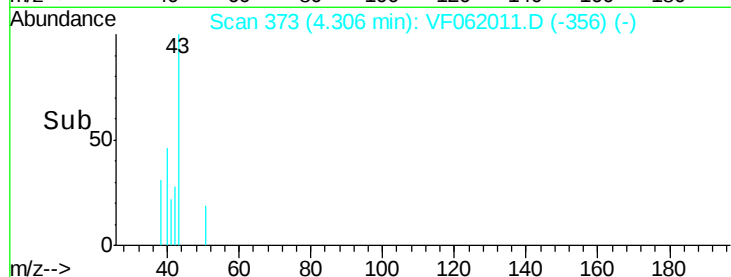
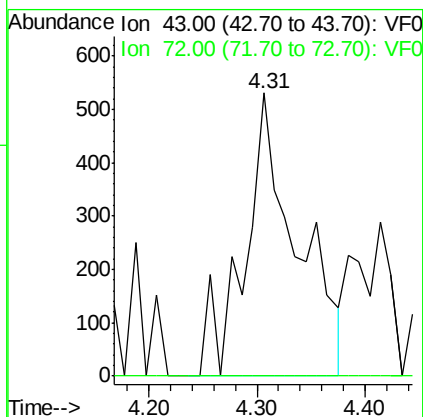
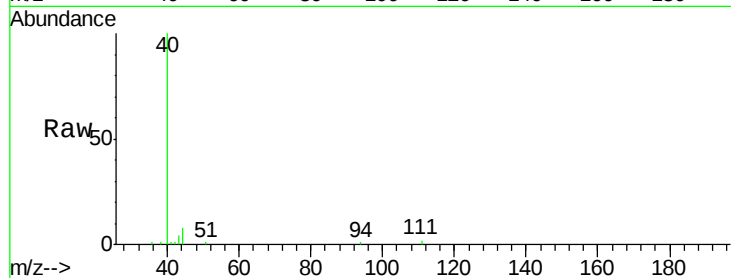
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 1795

Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.6#



#29

Tetrahydrofuran

Concen: 1.002 ug/l

RT: 4.03 min Scan# 345

Delta R.T. -0.04 min

Lab File: VF062011.D

Acq: 19 Mar 2019 11:45

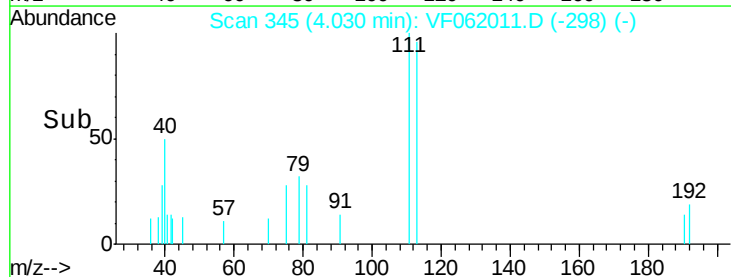
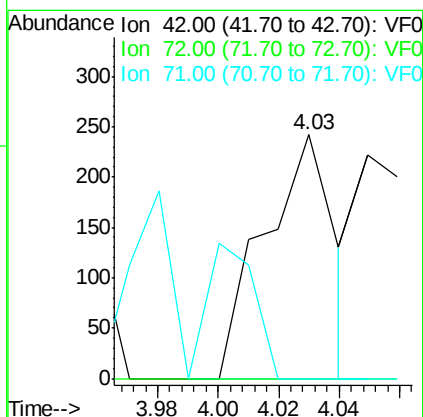
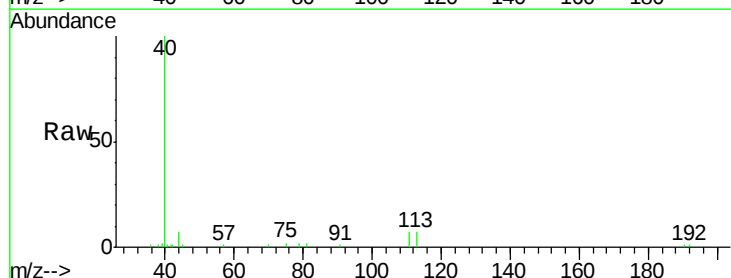
Tgt Ion: 42 Resp: 390

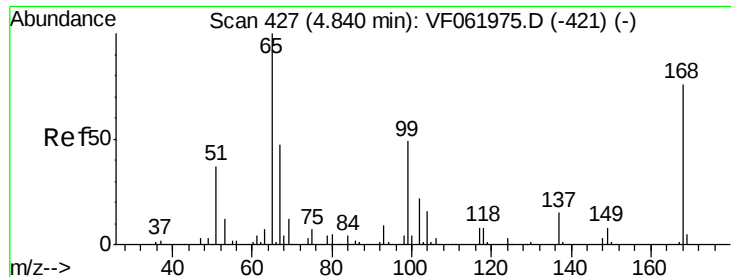
Ion Ratio Lower Upper

42 100

72 0.0 34.0 51.0#

71 0.0 34.2 51.4#





#33

1,2-Dichloroethane-d4

Concen: 54.075 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.02 min

Lab File: VF062011.D

Acq: 19 Mar 2019 11:45

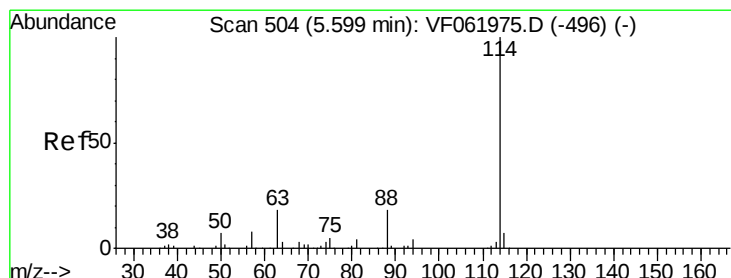
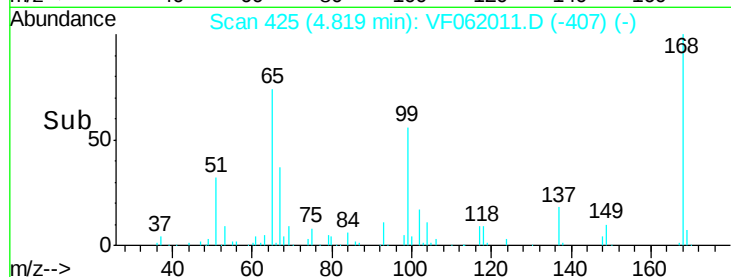
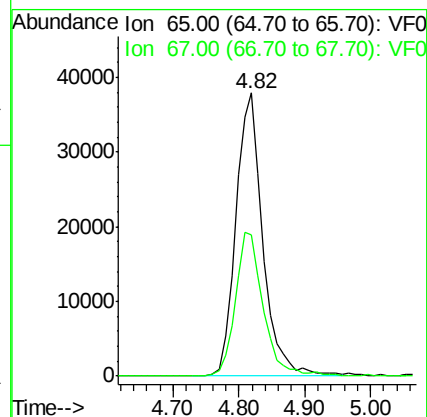
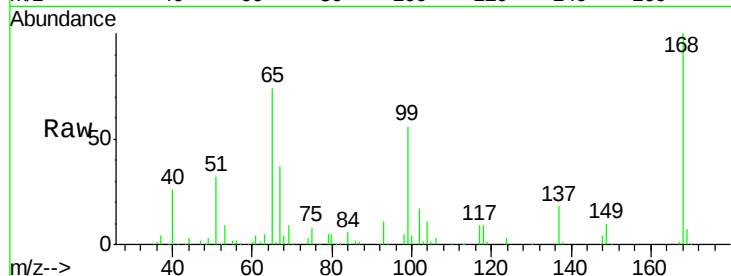
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 108840

Ion Ratio Lower Upper

65 100

67 50.0 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.03 min

Lab File: VF062011.D

Acq: 19 Mar 2019 11:45

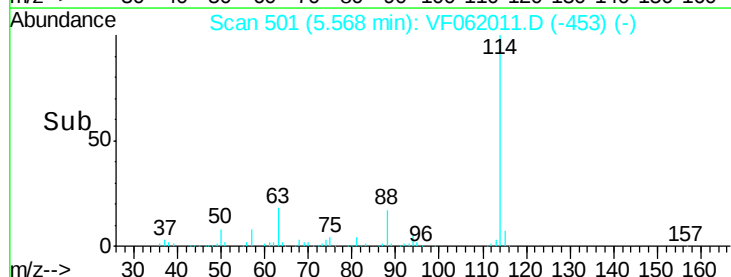
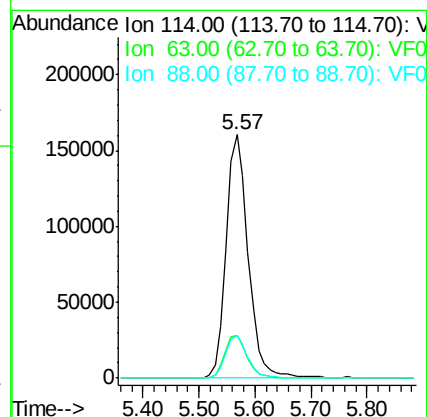
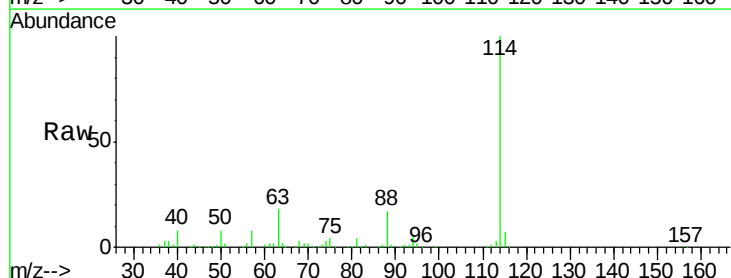
Tgt Ion: 114 Resp: 439842

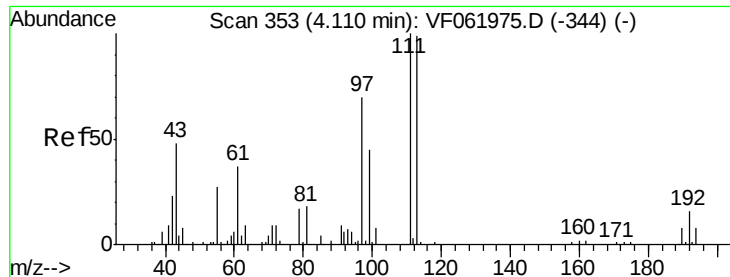
Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.4

88 17.3 0.0 36.4





#35

Dibromofluoromethane

Concen: 51.542 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF062011.D

Acq: 19 Mar 2019 11:45

Instrument :
MSVOA_F
ClientSampleId :

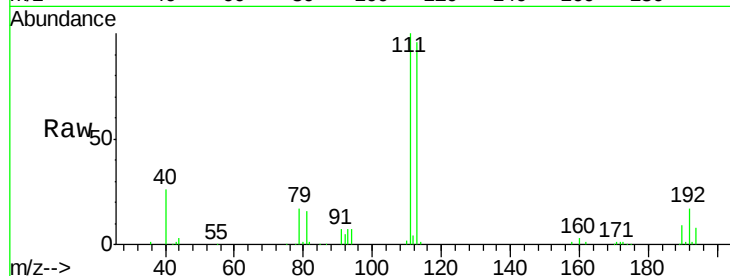
Tot Ion:113 Resp: 152235

Ion Ratio Lower Upper

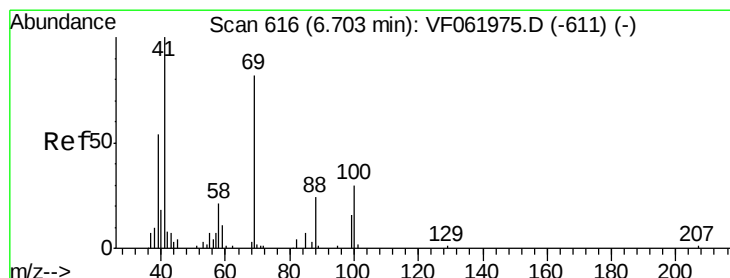
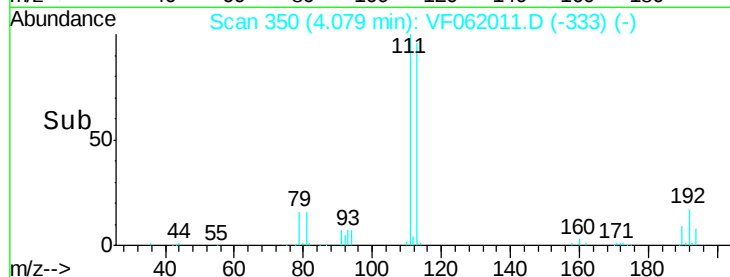
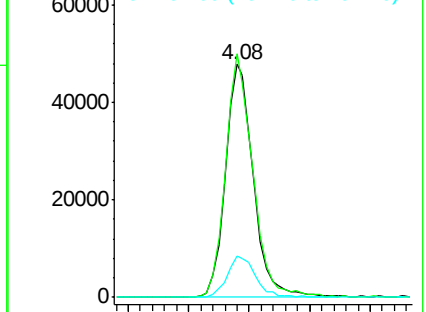
113 100

111 104.5 80.8 121.2

192 18.0 13.0 19.6



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: 5.441 ug/l

RT: 6.74 min Scan# 620

Delta R.T. 0.04 min

Lab File: VF062011.D

Acq: 19 Mar 2019 11:45

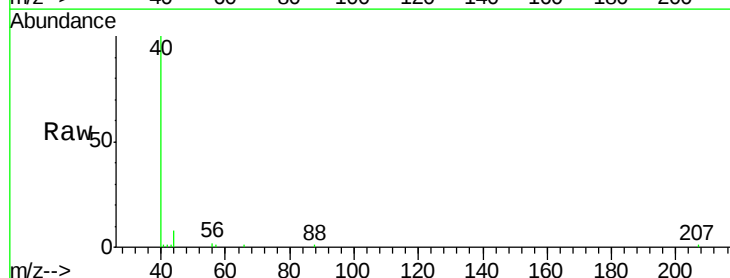
Tgt Ion: 88 Resp: 66

Ion Ratio Lower Upper

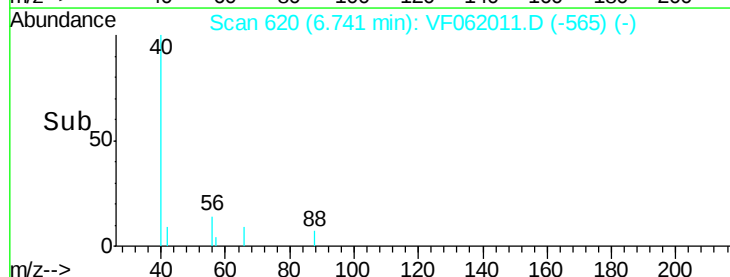
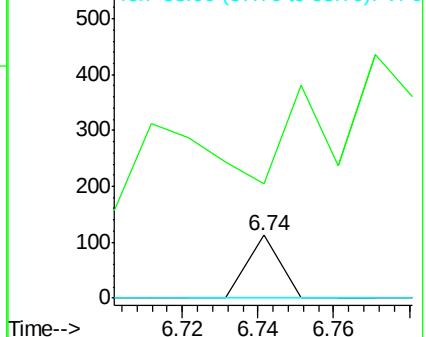
88 100

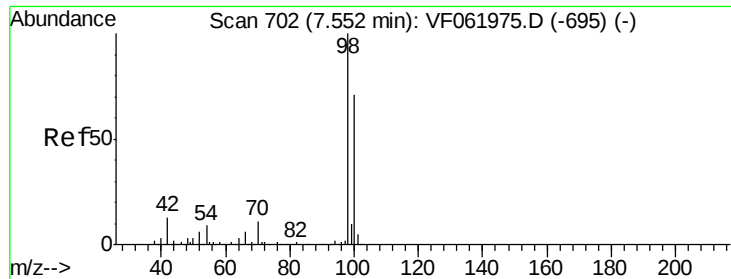
43 182.1 31.2 46.8#

58 0.0 69.9 104.9#



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

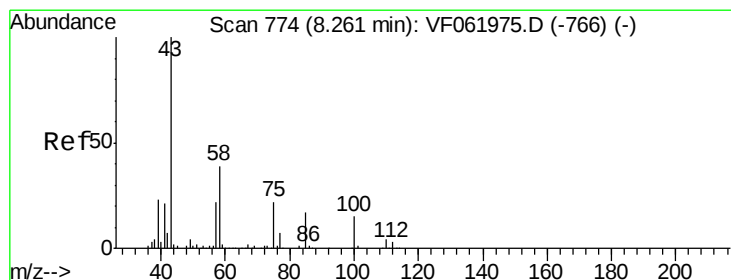
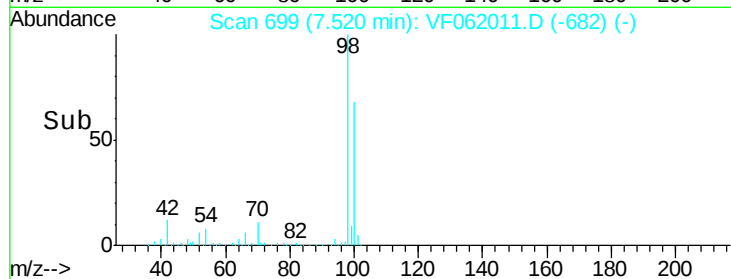
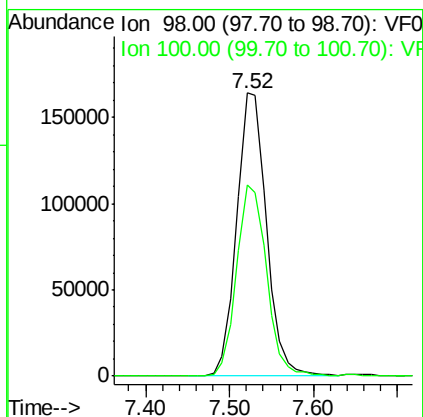
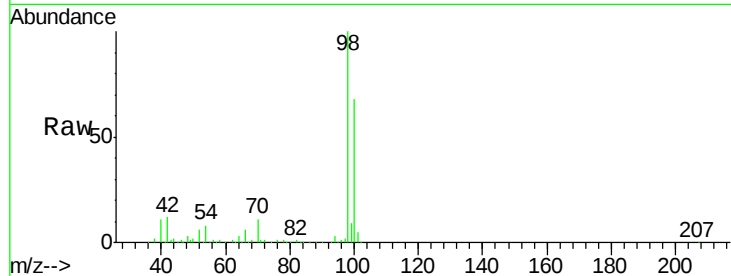




#50
Toluene-d8
Concen: 47.019 ug/l
RT: 7.52 min Scan# 699
Delta R.T. -0.03 min
Lab File: VF062011.D
Acq: 19 Mar 2019 11:45

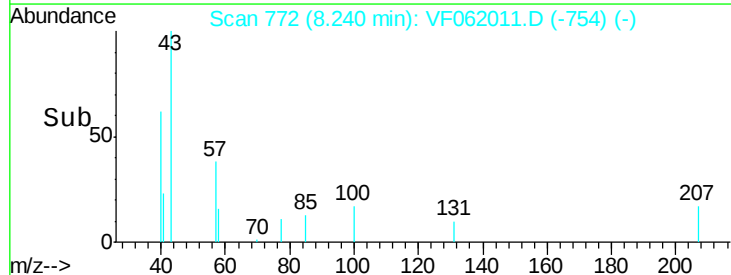
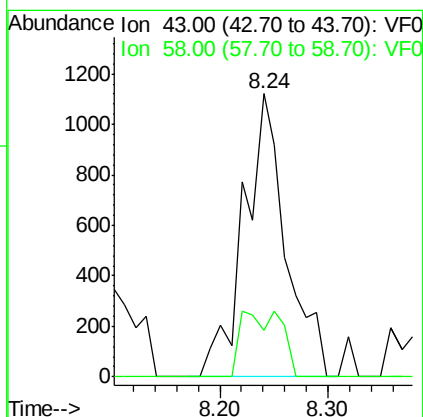
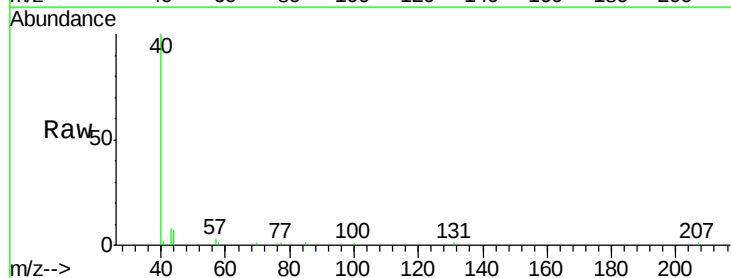
Instrument :
MSVOA_F
ClientSampleId :

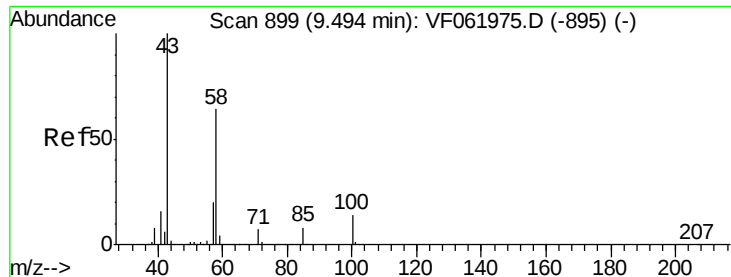
Tot Ion: 98 Resp: 405975
Ion Ratio Lower Upper
98 100
100 67.5 56.8 85.2



#51
4-Methyl-2-Pentanone
Concen: 2.034 ug/l
RT: 8.24 min Scan# 772
Delta R.T. -0.02 min
Lab File: VF062011.D
Acq: 19 Mar 2019 11:45

Tgt Ion: 43 Resp: 3048
Ion Ratio Lower Upper
43 100
58 16.4 31.1 46.7#

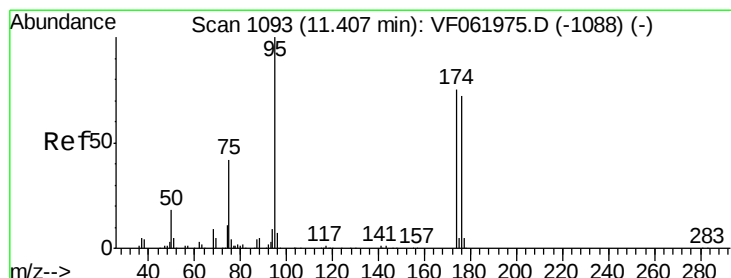
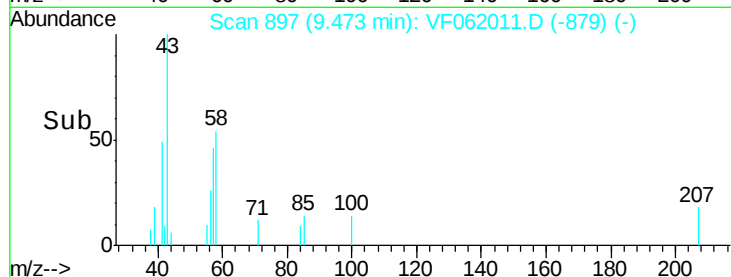
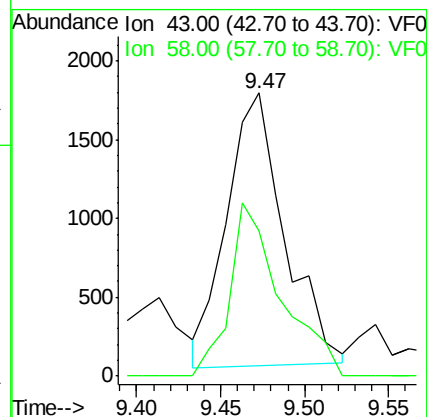
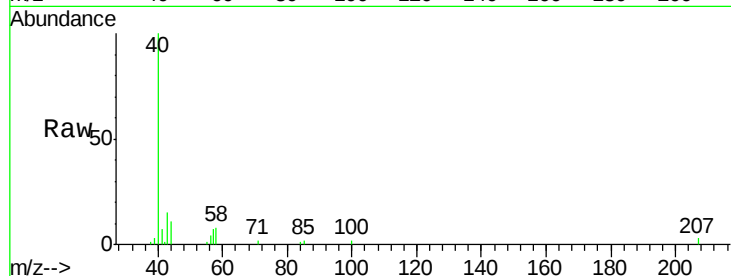




#59
2-Hexanone
Concen: 3.796 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.02 min
Lab File: VF062011.D
Acq: 19 Mar 2019 11:45

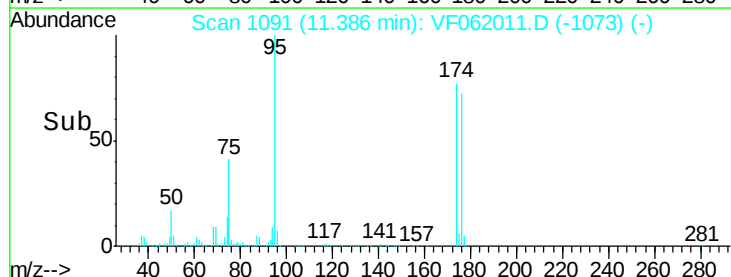
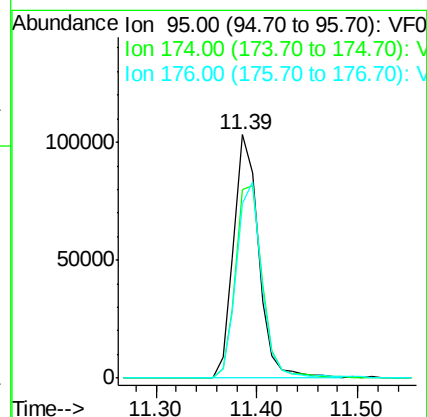
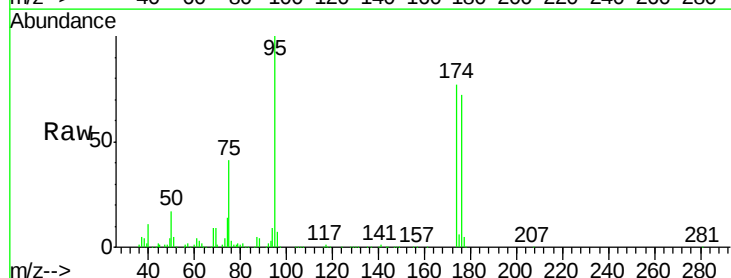
Instrument :
MSVOA_F
ClientSampleId :

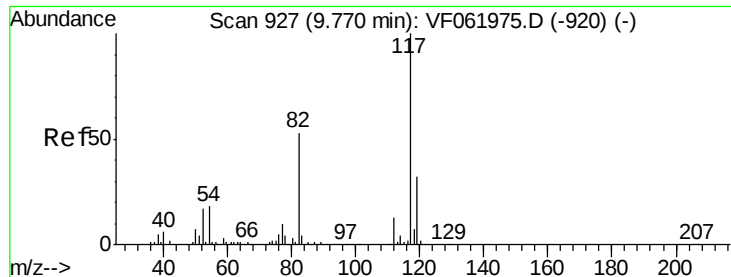
Tot Ion: 43 Resp: 4116
Ion Ratio Lower Upper
43 100
58 51.1 28.4 85.2



#62
4-Bromofluorobenzene
Concen: 52.437 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.02 min
Lab File: VF062011.D
Acq: 19 Mar 2019 11:45

Tgt Ion: 95 Resp: 179864
Ion Ratio Lower Upper
95 100
174 77.4 0.0 149.4
176 71.6 0.0 143.4

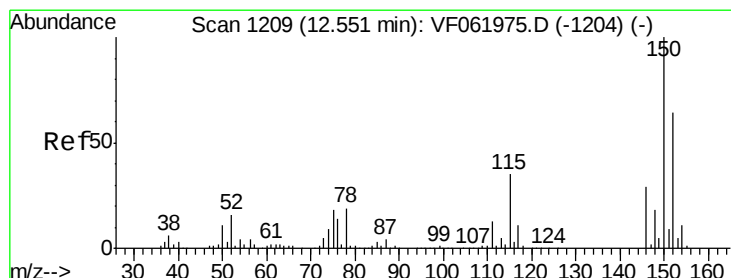
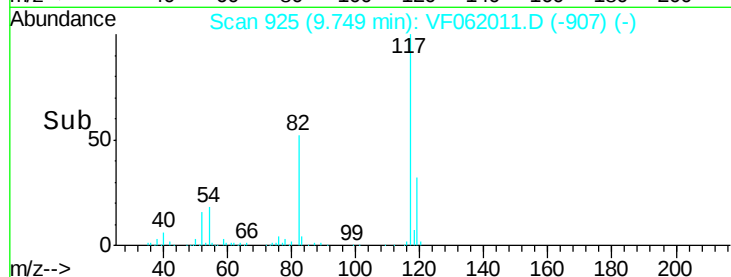
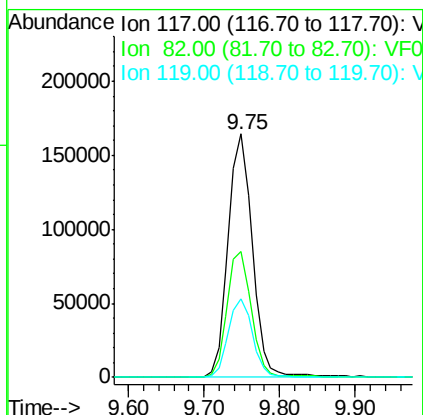
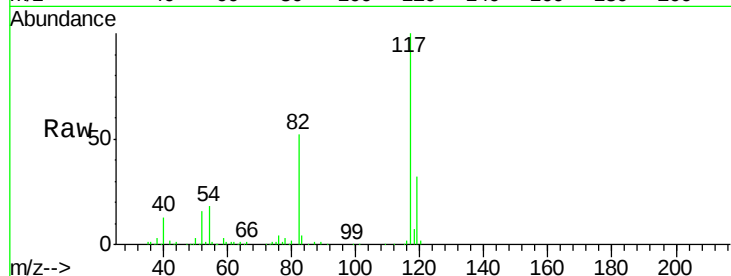




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF062011.D
Acq: 19 Mar 2019 11:45

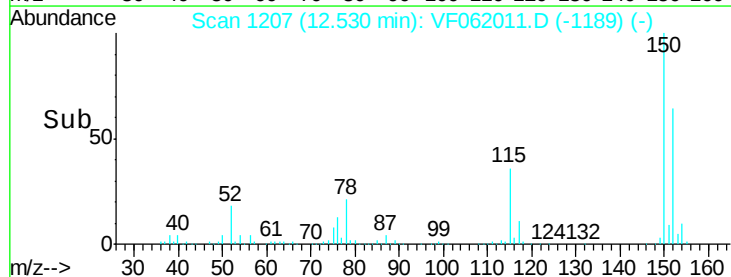
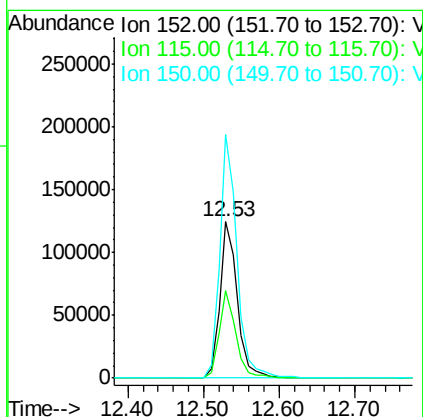
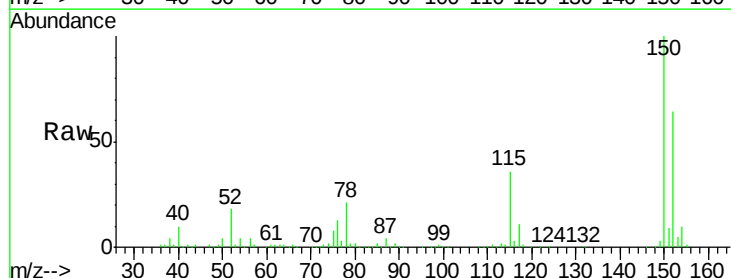
Instrument :
MSVOA_F
ClientSampleId :

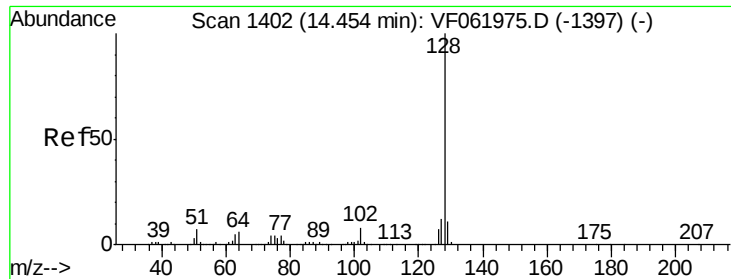
Tot Ion:117 Resp: 366820
Ion Ratio Lower Upper
117 100
82 51.6 42.5 63.7
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF062011.D
Acq: 19 Mar 2019 11:45

Tgt Ion:152 Resp: 202089
Ion Ratio Lower Upper
152 100
115 56.4 27.3 81.9
150 156.1 0.0 316.2





#95
 Naphthalene
 Concen: 1.376 ug/l
 RT: 14.44 min Scan# 1401
 Delta R.T. -0.01 min
 Lab File: VF062011.D
 Acq: 19 Mar 2019 11:45

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	9.3	13.9
129	10.9	9.1	13.7

