

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062101.D
 Acq On : 23 Mar 2019 2:29
 Operator : VA/AP
 Sample : K2040-07
 Misc : 4.52g/5mL/MSVOA-F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S4B(10)

Quant Time: Mar 23 06:35:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	240118	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	390485	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.79	117	323820	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	173048	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	80557	45.10	ug/l	-0.01
Spiked Amount				50.000		
Recovery						90.20%
35) Dibromofluoromethane	4.13	113	100577	38.08	ug/l	-0.01
Spiked Amount				50.000		
Recovery						76.16%
50) Toluene-d8	7.58	98	324590	41.17	ug/l	-0.02
Spiked Amount				50.000		
Recovery						82.34%
62) 4-Bromofluorobenzene	11.42	95	128990	42.38	ug/l	-0.01
Spiked Amount				50.000		
Recovery						84.76%

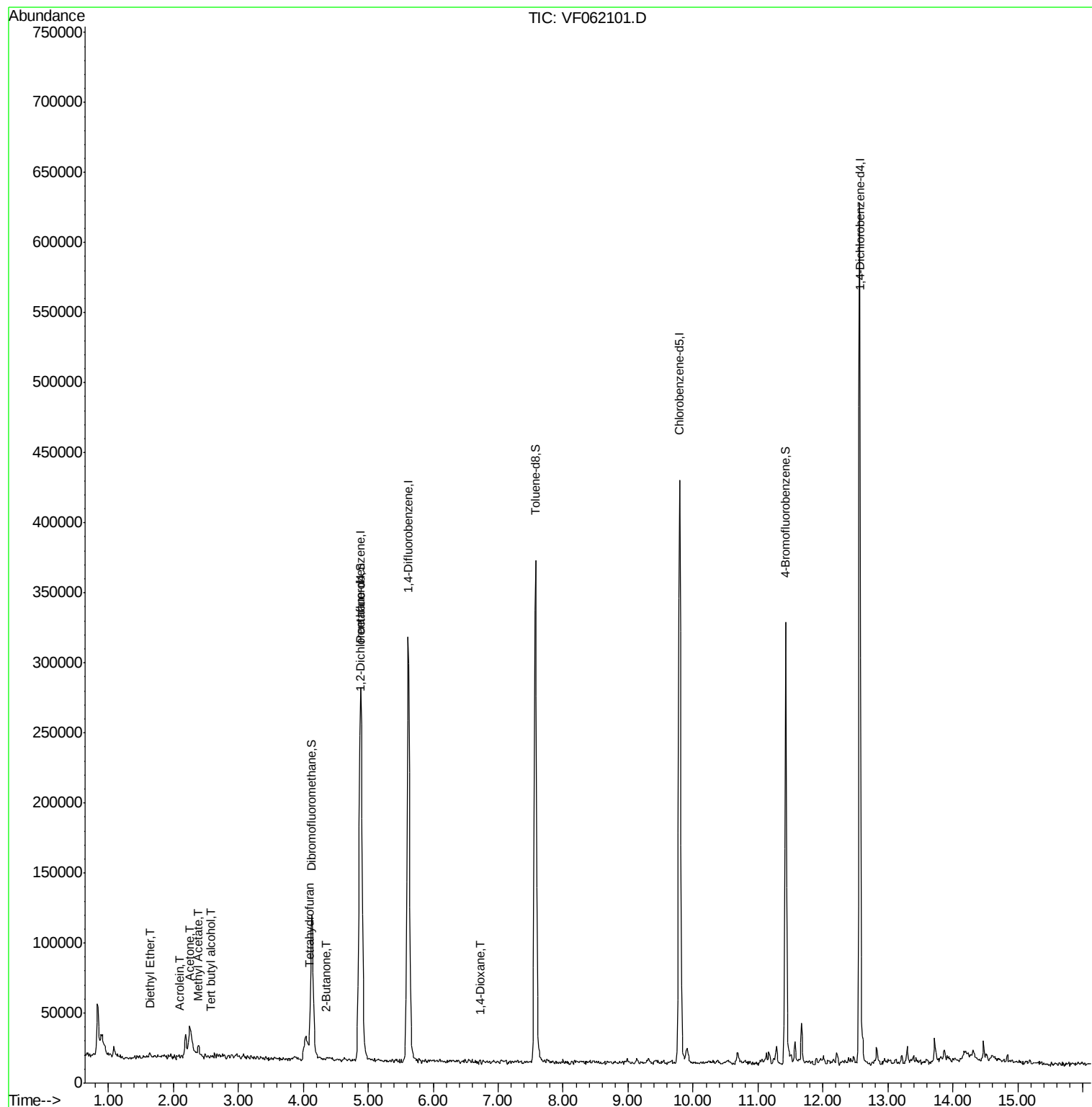
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.64	74	1149	1.399	ug/l	82
11) Tert butyl alcohol	2.59	59	461	4.691	ug/l #	66
13) Acrolein	2.10	56	379	3.207	ug/l	93
16) Acetone	2.25	43	19823	52.735	ug/l	92
18) Methyl Acetate	2.40	43	5699	6.356	ug/l #	56
25) 2-Butanone	4.37	43	1023	1.304	ug/l #	55
29) Tetrahydrofuran	4.09	42	465	1.363	ug/l #	56
49) 1,4-Dioxane	6.72	88	98	9.965	ug/l #	25

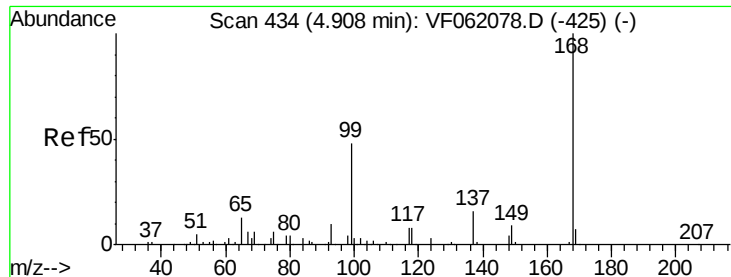
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032219\
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Instrument :
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S4B(10)

Quant Time: Mar 23 06:35:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.01 min

Lab File: VF062101.D

Acq: 23 Mar 2019 2:29

Instrument :

MSVOA_F

ClientSampleId :

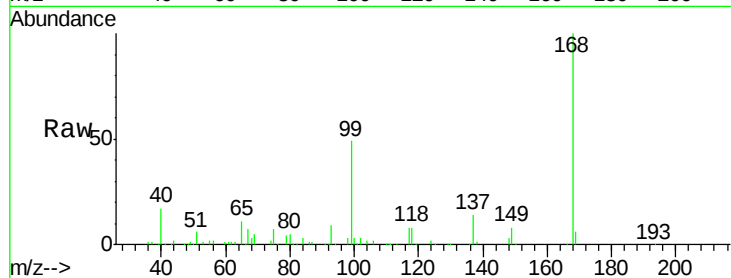
S4B(10)

Tot Ion:168 Resp: 240118

Ion Ratio Lower Upper

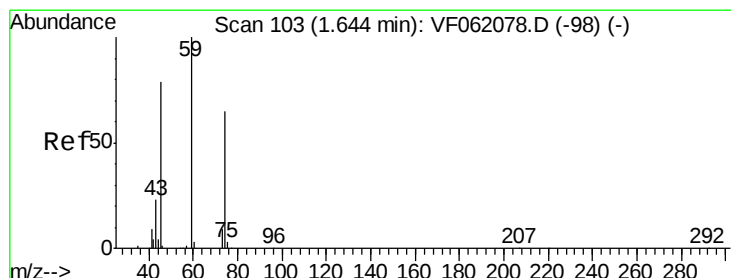
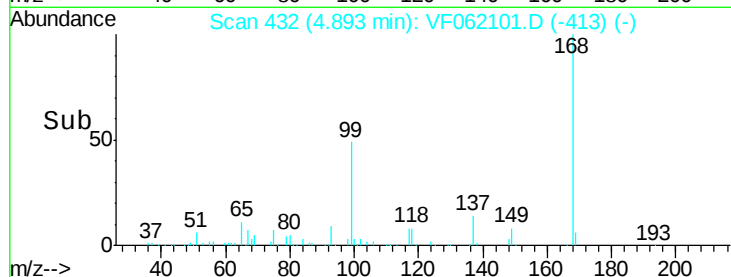
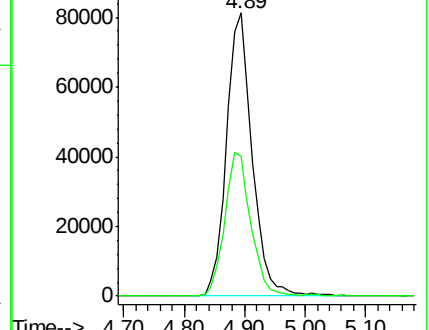
168 100

99 49.4 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#8

Diethyl Ether

Concen: 1.399 ug/l

RT: 1.64 min Scan# 102

Delta R.T. -0.01 min

Lab File: VF062101.D

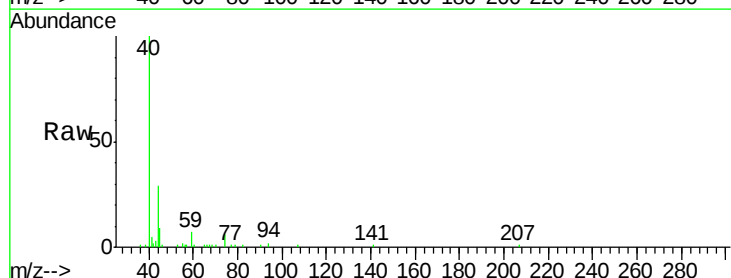
Acq: 23 Mar 2019 2:29

Tgt Ion: 74 Resp: 1149

Ion Ratio Lower Upper

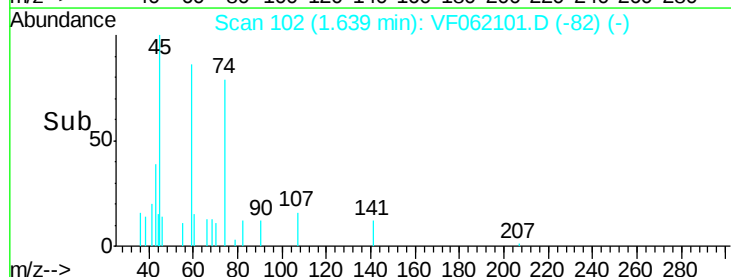
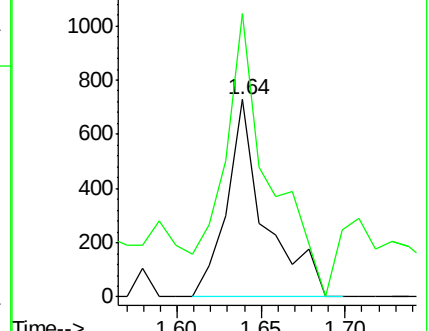
74 100

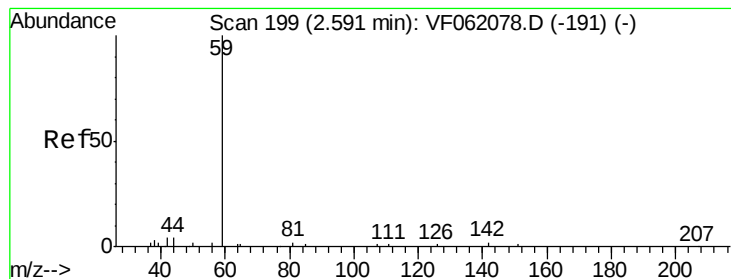
45 143.2 61.4 184.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



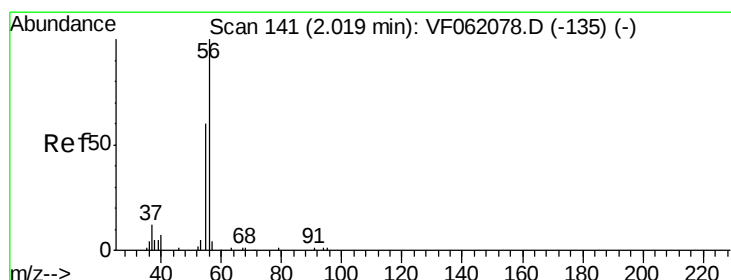
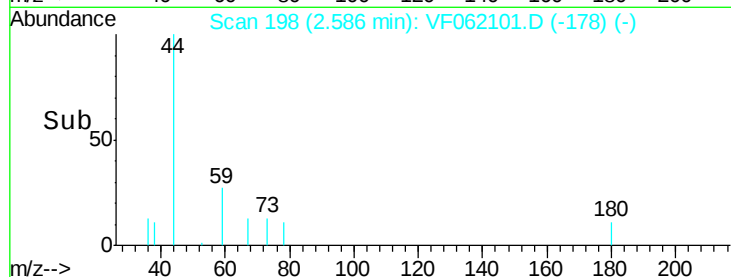
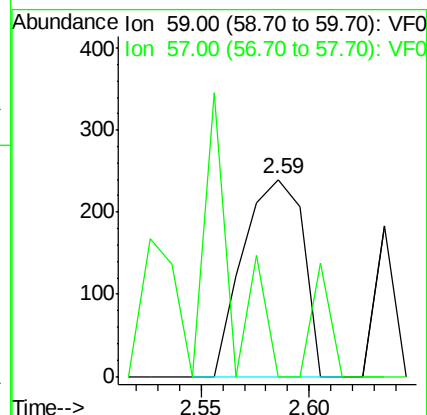
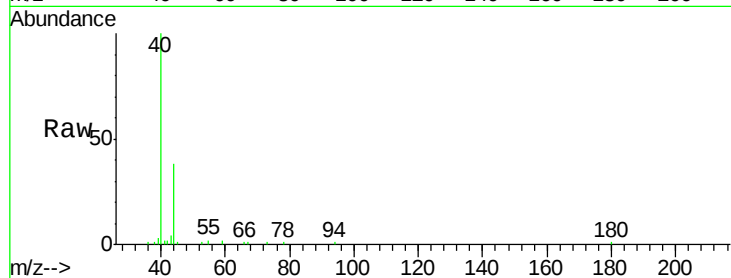


#11

Tert butyl alcohol
Concen: 4.691 ug/l
RT: 2.59 min Scan# 198
Delta R.T. -0.01 min
Lab File: VF062101.D
Acq: 23 Mar 2019 2:29

Instrument :
MSVOA_F
ClientSampleId :
S4B(10)

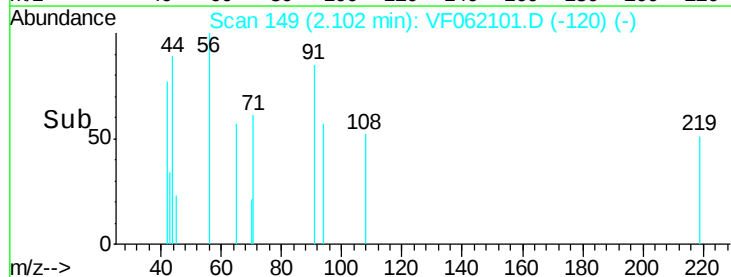
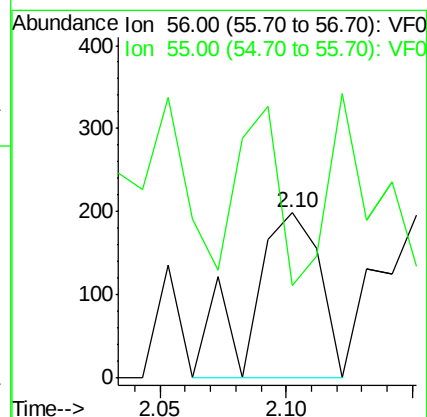
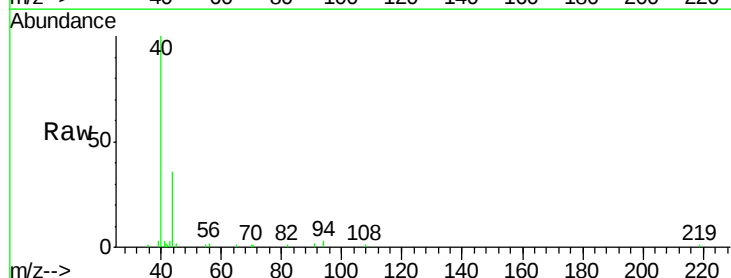
Tot Ion: 59 Resp: 461
Ion Ratio Lower Upper
59 100
57 0.0 11.0 16.4#

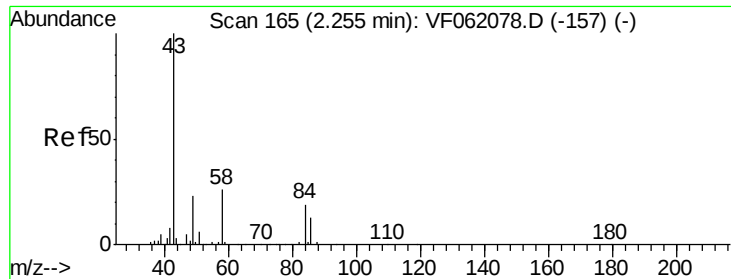


#13

Acrolein
Concen: 3.207 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.08 min
Lab File: VF062101.D
Acq: 23 Mar 2019 2:29

Tgt Ion: 56 Resp: 379
Ion Ratio Lower Upper
56 100
55 55.6 49.0 73.4





#16

Acetone

Concen: 52.735 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF062101.D

Acq: 23 Mar 2019 2:29

Instrument :

MSVOA_F

ClientSampleId :

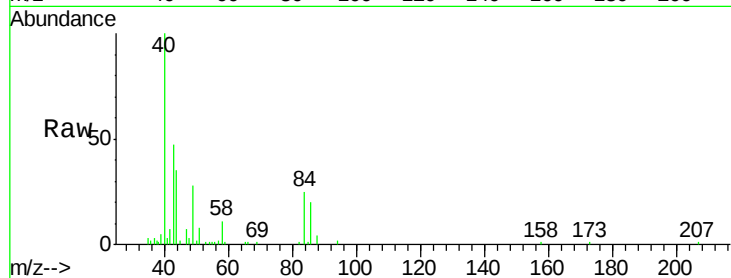
S4B(10)

Tot Ion: 43 Resp: 19823

Ion Ratio Lower Upper

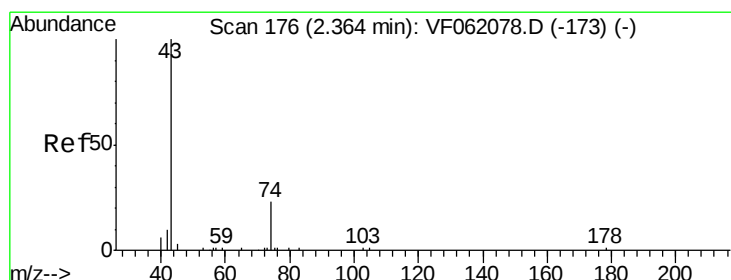
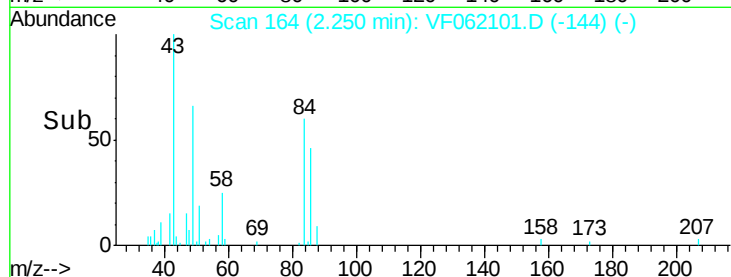
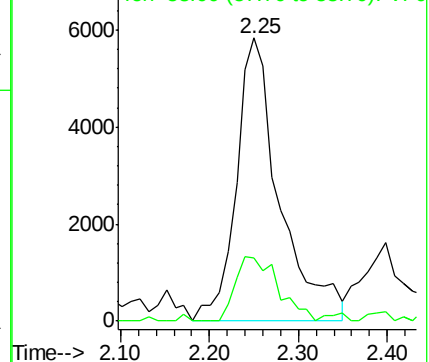
43 100

58 22.1 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 6.356 ug/l

RT: 2.40 min Scan# 179

Delta R.T. 0.04 min

Lab File: VF062101.D

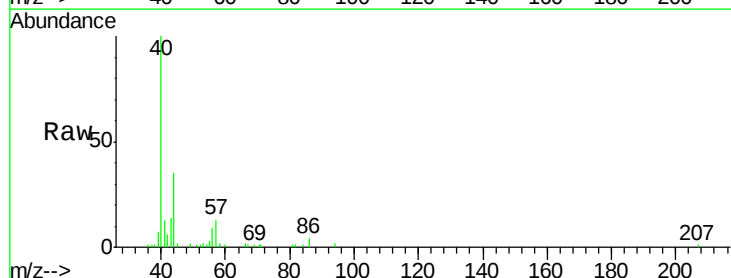
Acq: 23 Mar 2019 2:29

Tgt Ion: 43 Resp: 5699

Ion Ratio Lower Upper

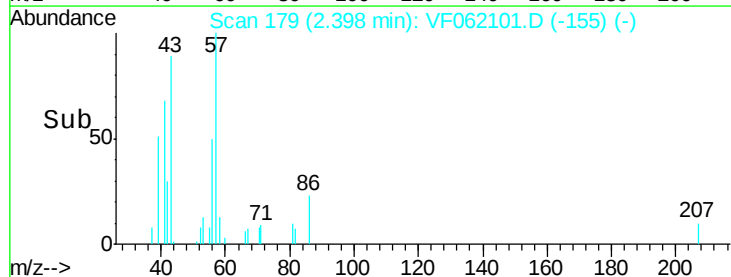
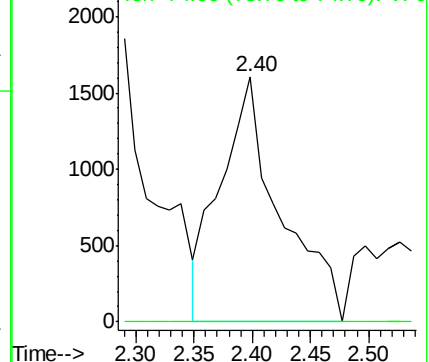
43 100

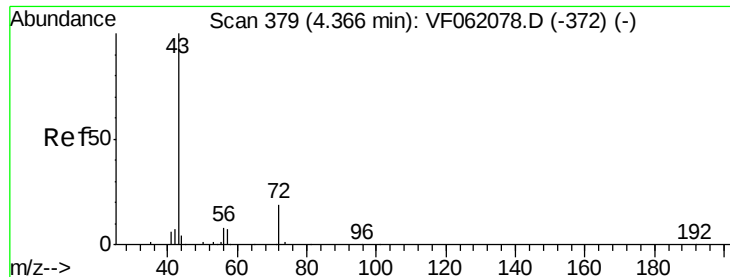
74 0.0 16.3 24.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#25

2-Butanone

Concen: 1.304 ug/l

RT: 4.37 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF062101.D

Acq: 23 Mar 2019 2:29

Instrument :

MSVOA_F

ClientSampleId :

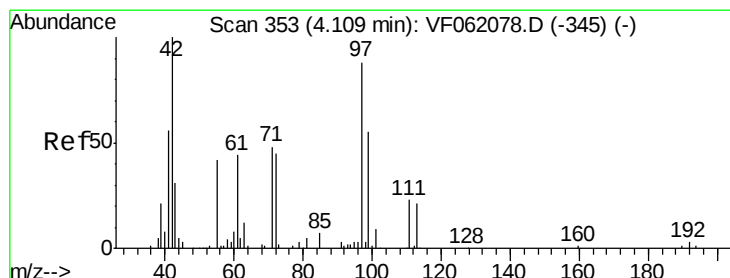
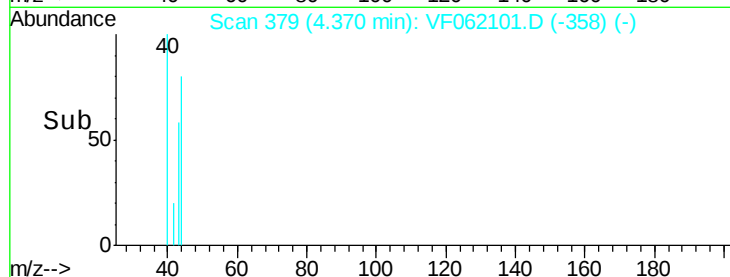
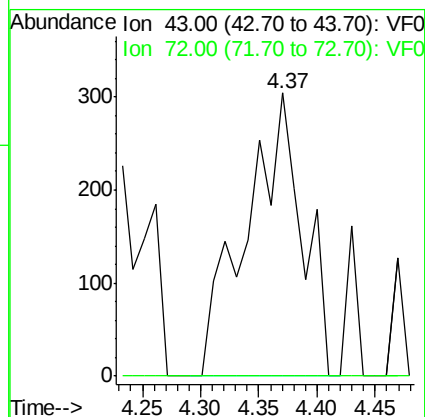
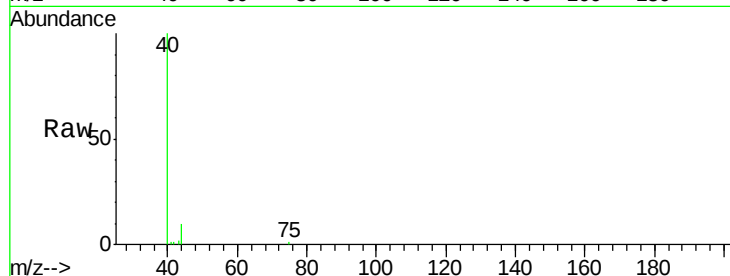
S4B(10)

Tot Ion: 43 Resp: 1023

Ion Ratio Lower Upper

43 100

72 0.0 16.7 25.1#



#29

Tetrahydrofuran

Concen: 1.363 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF062101.D

Acq: 23 Mar 2019 2:29

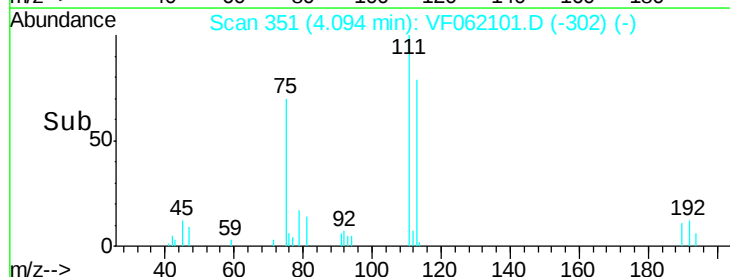
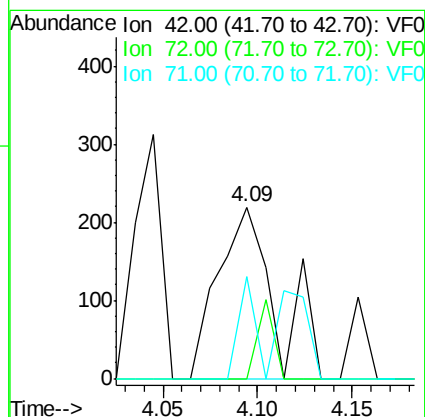
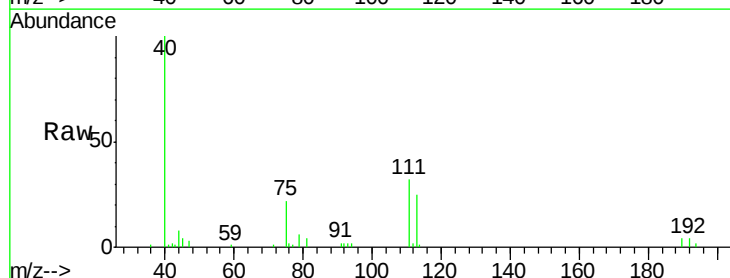
Tgt Ion: 42 Resp: 465

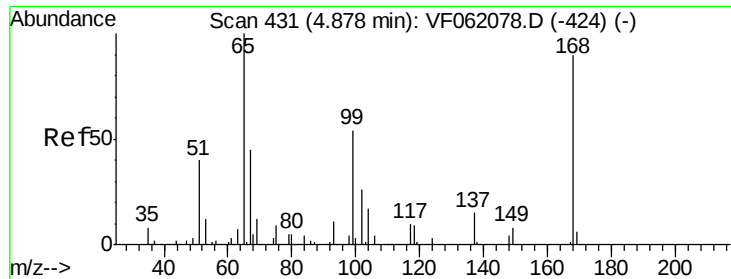
Ion Ratio Lower Upper

42 100

72 12.9 33.3 49.9#

71 16.6 35.0 52.4#





#33

1,2-Dichloroethane-d4

Concen: 45.104 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF062101.D

Acq: 23 Mar 2019 2:29

Instrument :

MSVOA_F

ClientSampleId :

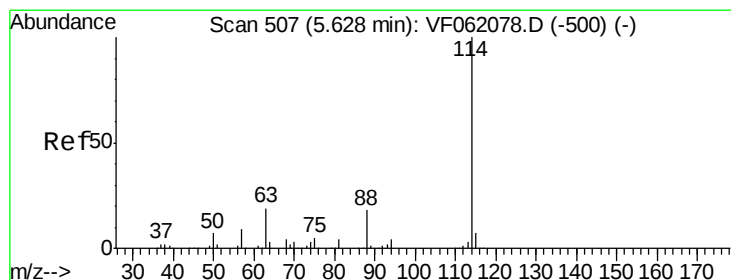
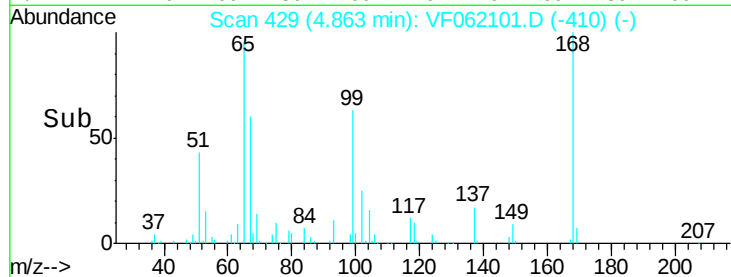
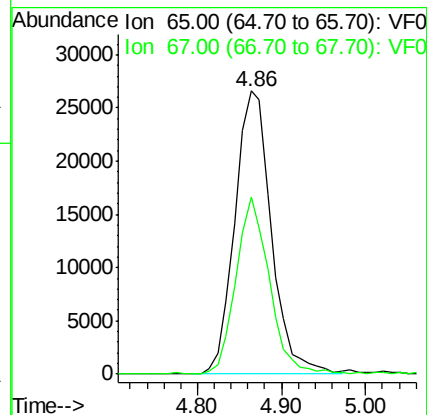
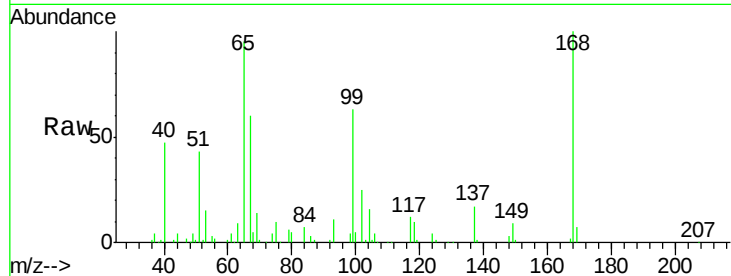
S4B(10)

Tot Ion: 65 Resp: 80557

Ion Ratio Lower Upper

65 100

67 62.7 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF062101.D

Acq: 23 Mar 2019 2:29

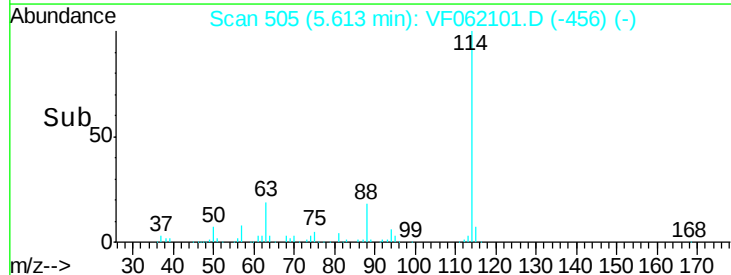
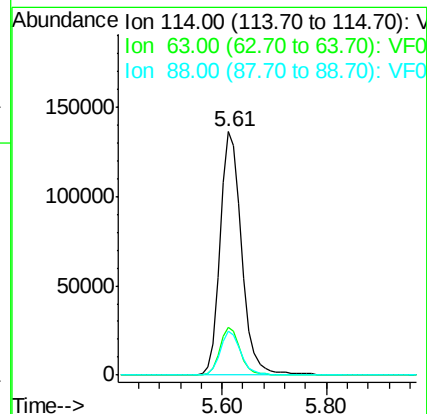
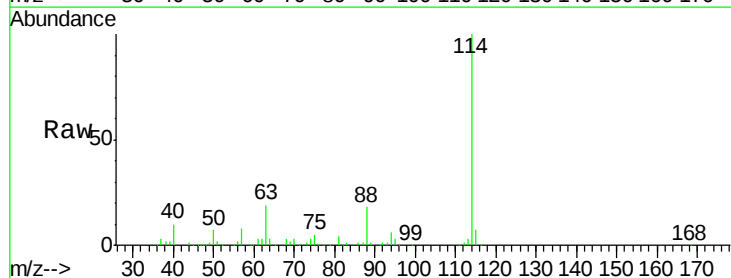
Tgt Ion:114 Resp: 390485

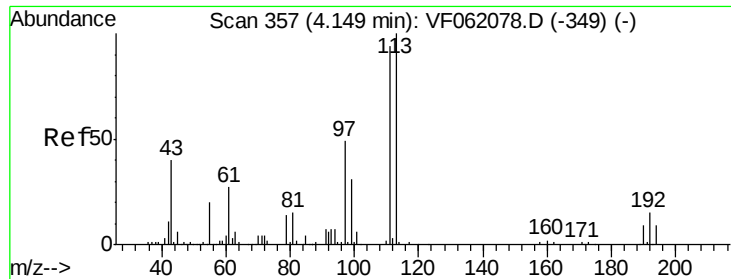
Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.8

88 18.1 0.0 36.4





#35

Dibromofluoromethane

Concen: 38.076 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.01 min

Lab File: VF062101.D

Acq: 23 Mar 2019 2:29

Instrument :

MSVOA_F

ClientSampleId :

S4B(10)

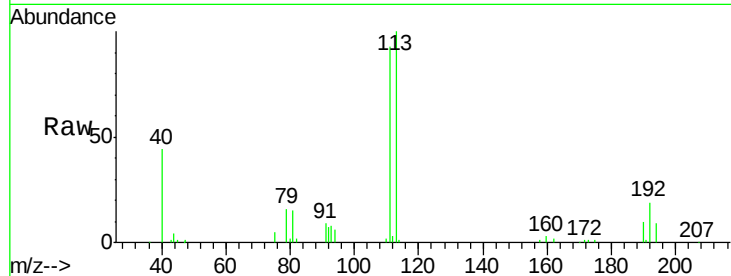
Tot Ion:113 Resp: 100577

Ion Ratio Lower Upper

113 100

111 92.8 75.4 113.0

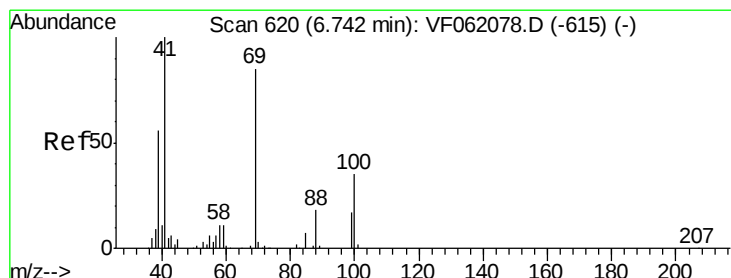
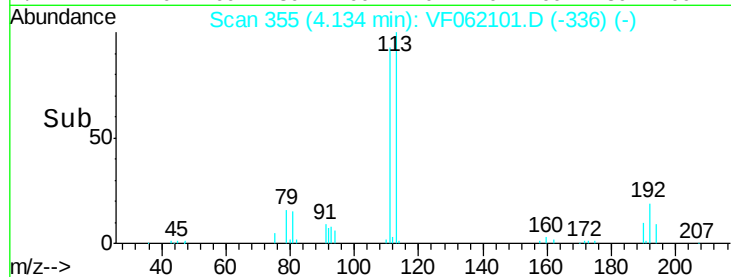
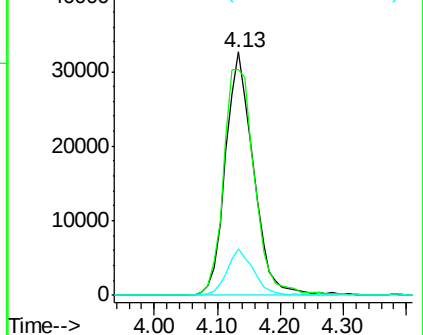
192 19.2 12.3 18.5#



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: 9.965 ug/l

RT: 6.72 min Scan# 617

Delta R.T. -0.02 min

Lab File: VF062101.D

Acq: 23 Mar 2019 2:29

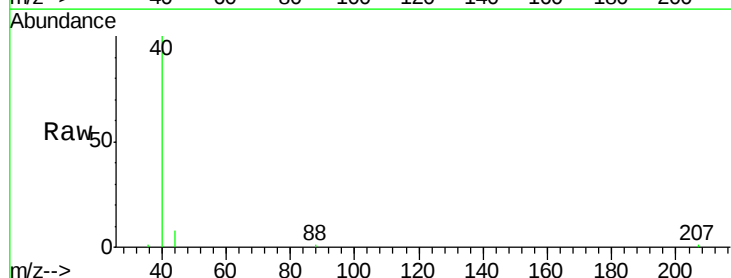
Tgt Ion: 88 Resp: 98

Ion Ratio Lower Upper

88 100

43 0.0 35.0 52.4#

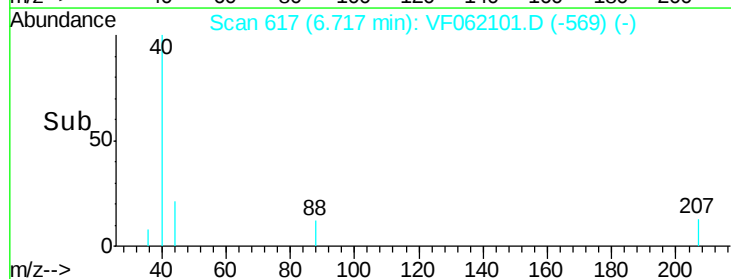
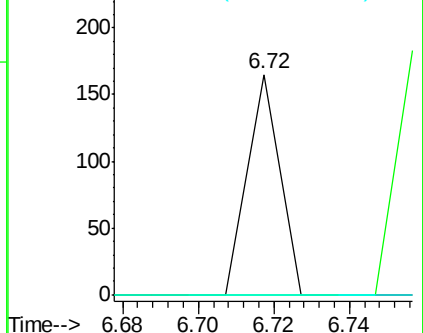
58 0.0 49.9 74.9#

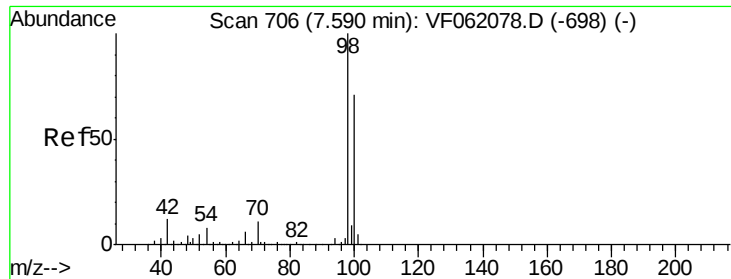


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 41.166 ug/l

RT: 7.58 min Scan# 704

Delta R.T. -0.02 min

Lab File: VF062101.D

Acq: 23 Mar 2019 2:29

Instrument :

MSVOA_F

ClientSampleId :

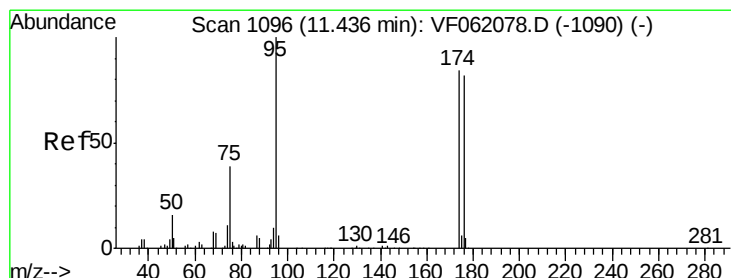
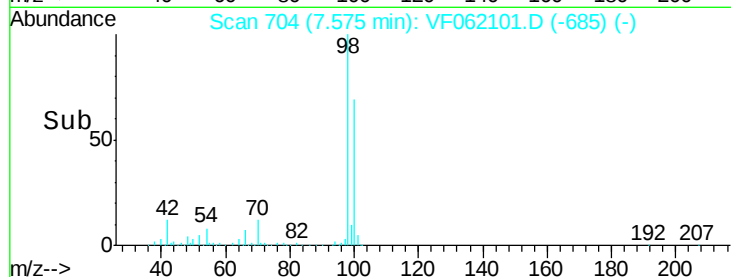
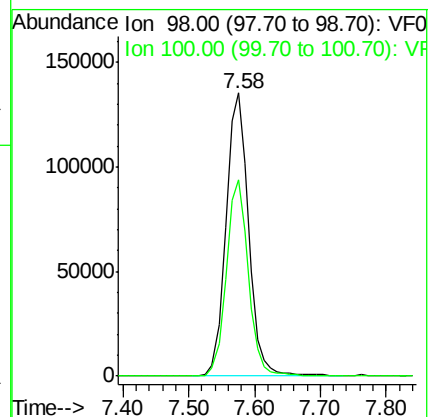
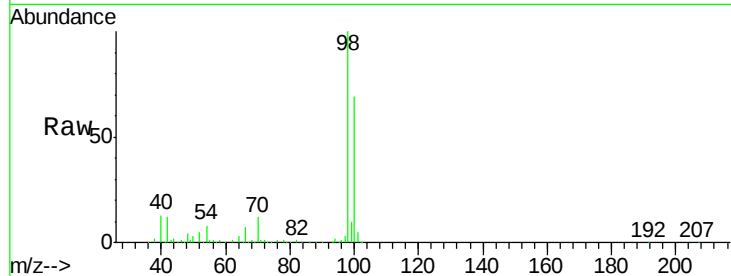
S4B(10)

Tot Ion: 98 Resp: 324590

Ion Ratio Lower Upper

98 100

100 69.3 57.0 85.6



#62

4-Bromofluorobenzene

Concen: 42.375 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.01 min

Lab File: VF062101.D

Acq: 23 Mar 2019 2:29

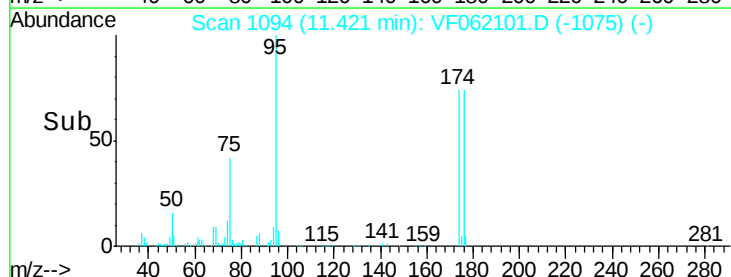
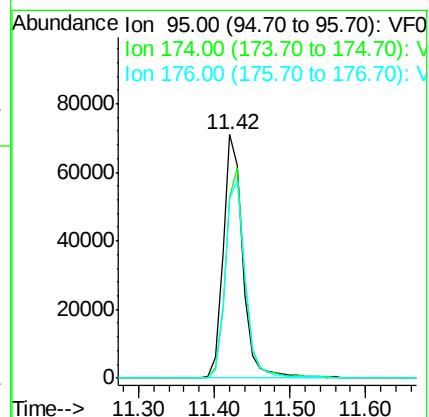
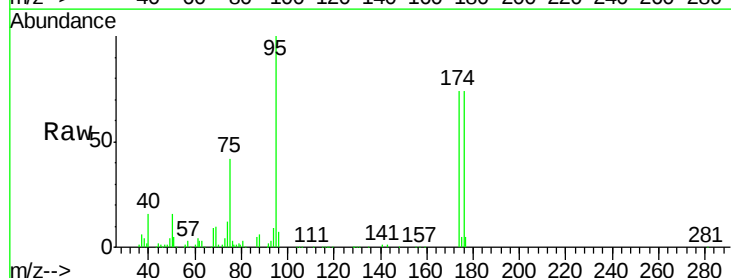
Tgt Ion: 95 Resp: 128990

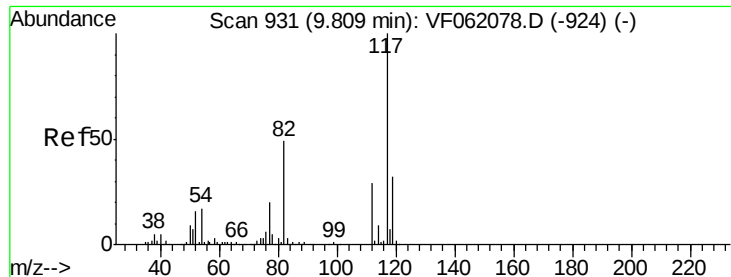
Ion Ratio Lower Upper

95 100

174 74.1 0.0 168.2

176 74.0 0.0 164.2

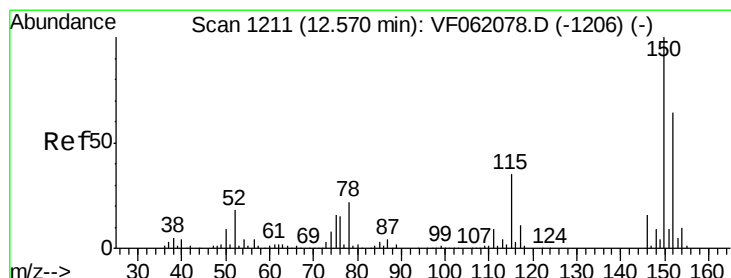
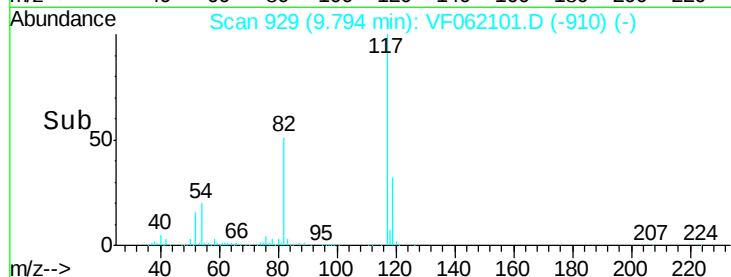
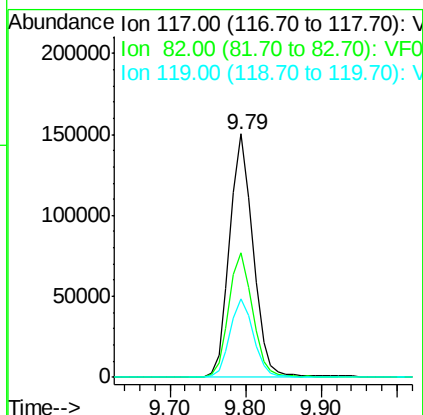
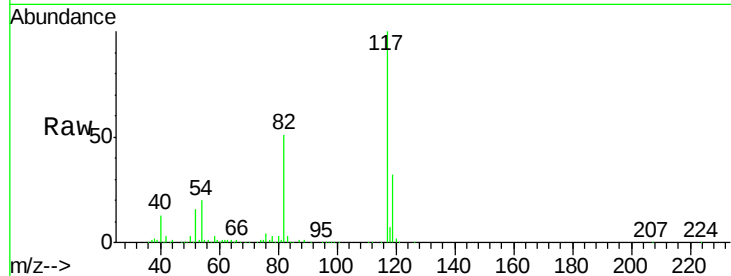




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.01 min
Lab File: VF062101.D
Acq: 23 Mar 2019 2:29

Instrument :
MSVOA_F
ClientSampleId :
S4B(10)

Tot Ion:117 Resp: 323820
Ion Ratio Lower Upper
117 100
82 51.0 39.2 58.8
119 32.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. -0.01 min
Lab File: VF062101.D
Acq: 23 Mar 2019 2:29

Tgt Ion:152 Resp: 173048
Ion Ratio Lower Upper
152 100
115 51.6 27.7 83.1
150 150.7 0.0 313.2

