

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031119\
 Data File : VF061895.D
 Acq On : 11 Mar 2019 17:55
 Operator : VA/AP
 Sample : K1824-15
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P-2

Quant Time: Mar 12 05:13:05 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	4.87	168	171125	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	267417	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	204850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	98185	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	141169	113.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	226.56%	
35) Dibromofluoromethane	4.12	113	188083	100.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	201.56%	
50) Toluene-d8	7.56	98	452531	81.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	163.16%	
62) 4-Bromofluorobenzene	11.42	95	166524	76.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	153.28%	

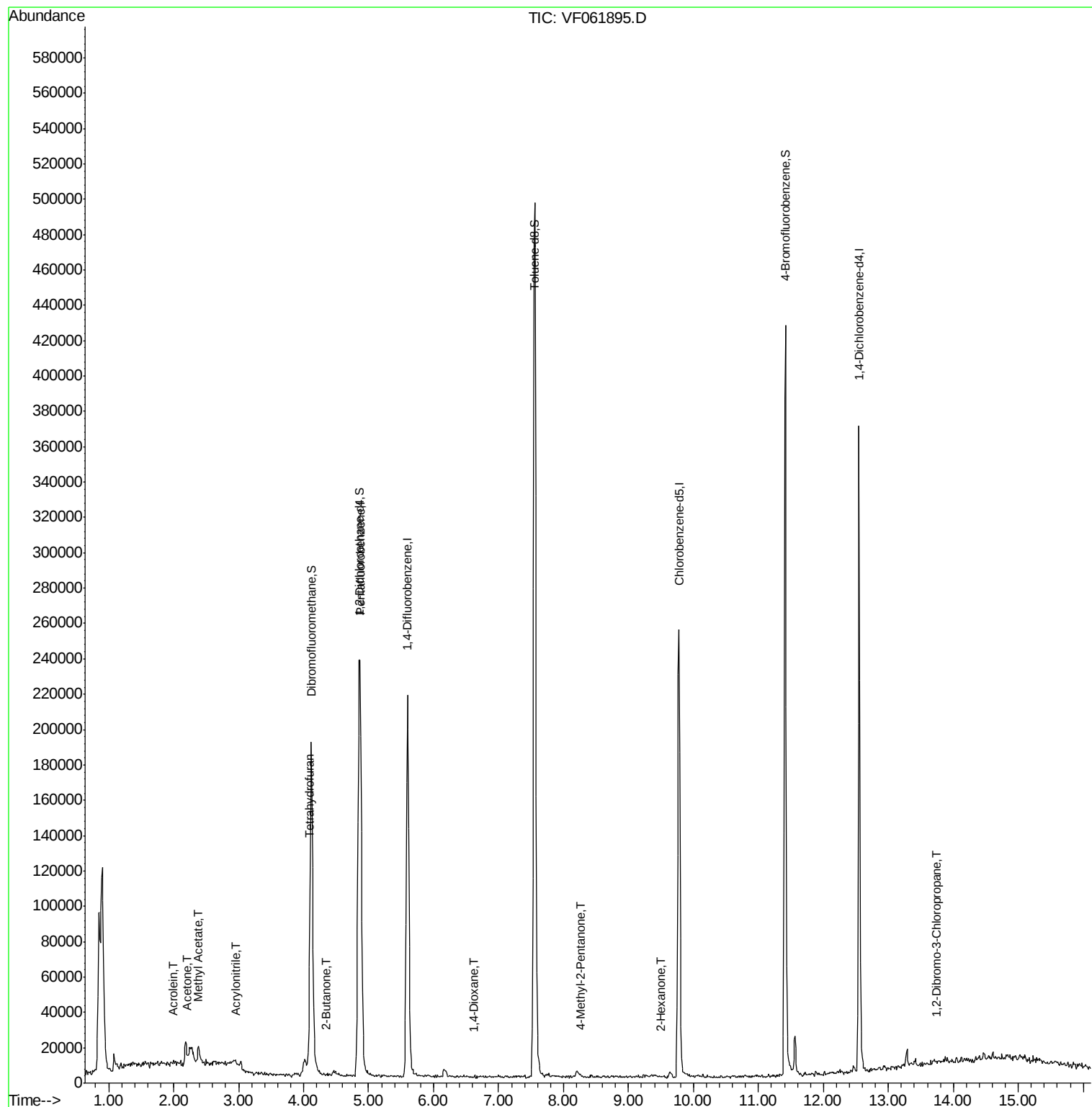
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.00	56	448	4.998	ug/l #	1
15) Acrylonitrile	2.95	53	226	1.003	ug/l #	16
16) Acetone	2.22	43	1055	4.041	ug/l #	50
18) Methyl Acetate	2.38	43	4884	2.259	ug/l #	77
25) 2-Butanone	4.34	43	847	1.595	ug/l #	56
29) Tetrahydrofuran	4.09	42	246	1.074	ug/l #	65
49) 1,4-Dioxane	6.61	88	61	8.067	ug/l #	26
51) 4-Methyl-2-Pentanone	8.26	43	982	1.087	ug/l	92
59) 2-Hexanone	9.50	43	853	1.309	ug/l	69
92) 1,2-Dibromo-3-Chloropropan	13.75	75	63	4.066	ug/l #	28

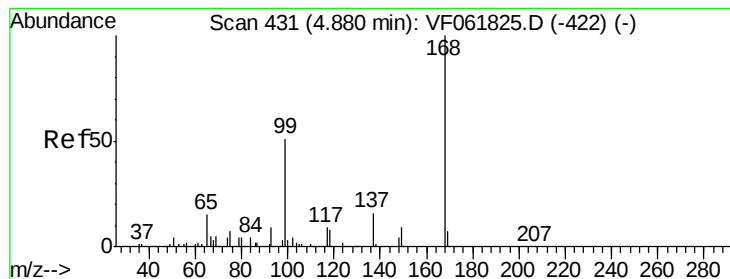
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031119\
Data File : VF061895.D
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MSVOA_F
ClientSampleId :
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Quant Time: Mar 12 05:13:05 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: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061895.D

Acq: 11 Mar 2019 17:55

Instrument :

MSVOA_F

ClientSampleId :

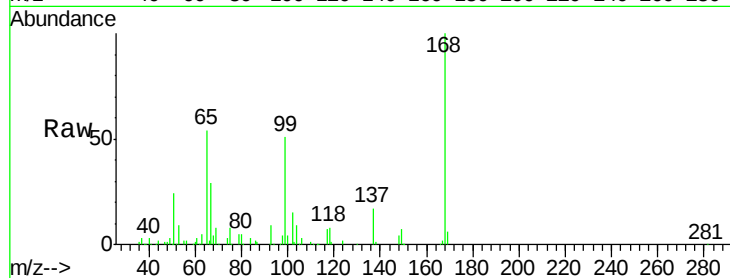
P-2

Tot Ion:168 Resp: 171125

Ion Ratio Lower Upper

168 100

99 51.1 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

60000

50000

40000

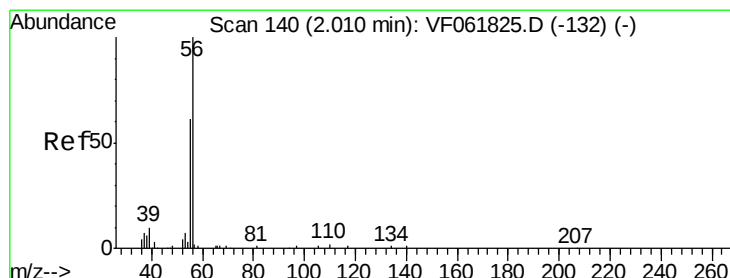
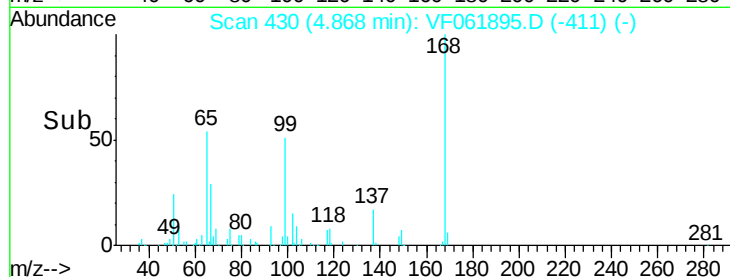
30000

20000

10000

0

Time-->



#13

Acrolein

Concen: 4.998 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF061895.D

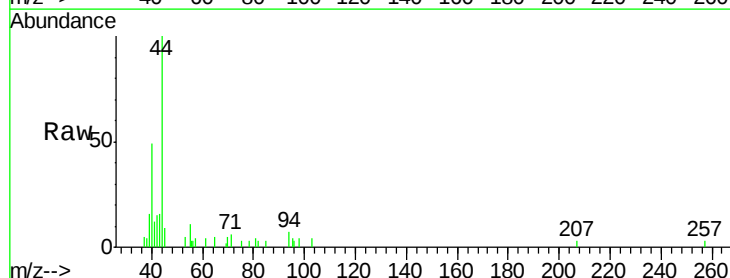
Acq: 11 Mar 2019 17:55

Tgt Ion: 56 Resp: 448

Ion Ratio Lower Upper

56 100

55 167.9 51.3 76.9#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

500

400

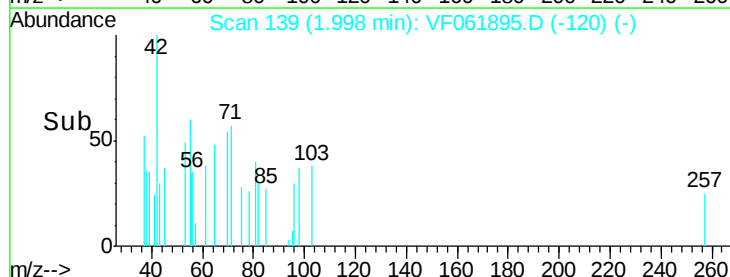
300

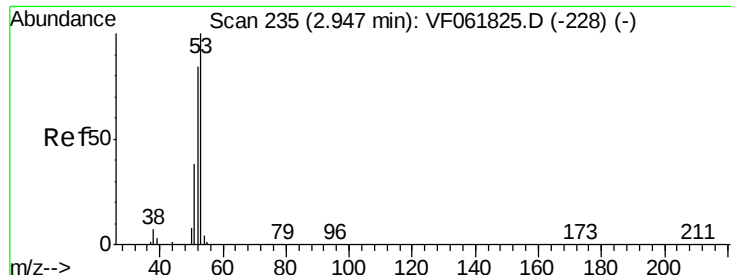
200

100

0

Time-->





#15

Acrylonitrile

Concen: 1.003 ug/l

RT: 2.95 min Scan# 236

Delta R.T. 0.01 min

Lab File: VF061895.D

Acq: 11 Mar 2019 17:55

Instrument :

MSVOA_F

ClientSampleId :

P-2

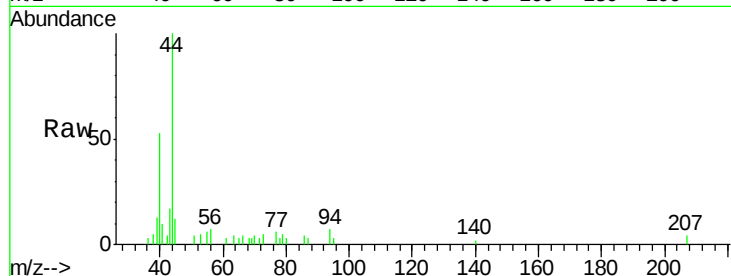
Tot Ion: 53 Resp: 226

Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

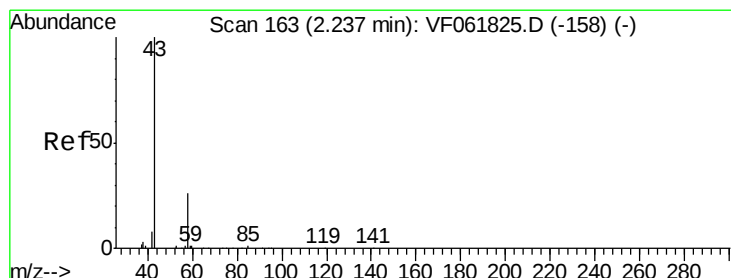
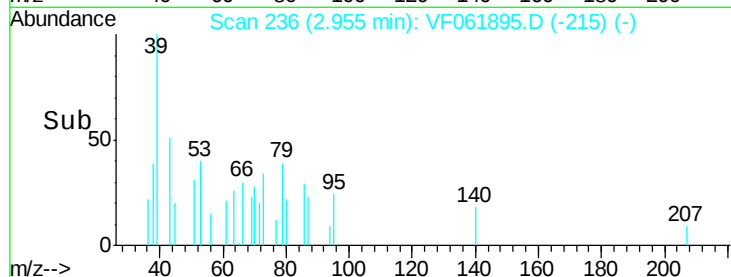
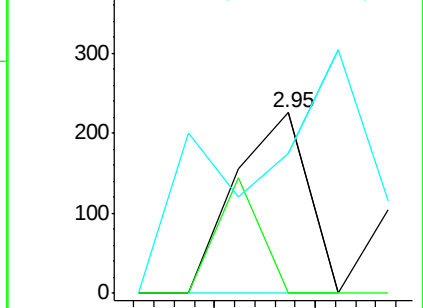
51 77.4 30.7 46.1#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 4.041 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.02 min

Lab File: VF061895.D

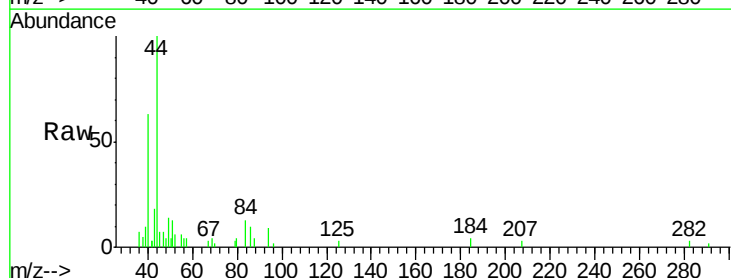
Acq: 11 Mar 2019 17:55

Tgt Ion: 43 Resp: 1055

Ion Ratio Lower Upper

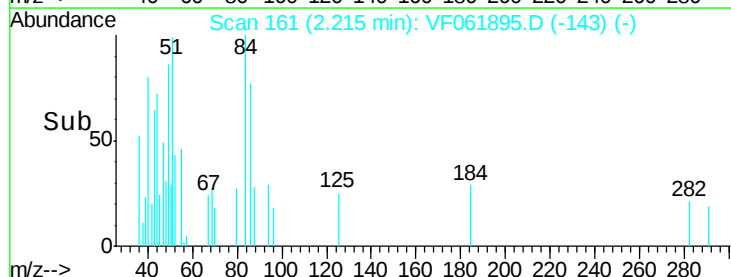
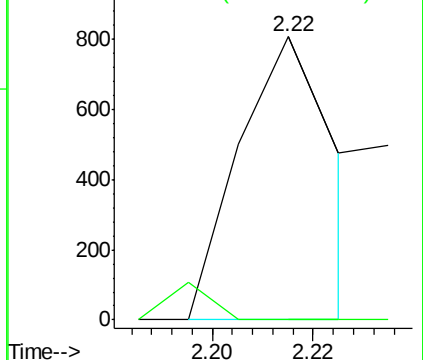
43 100

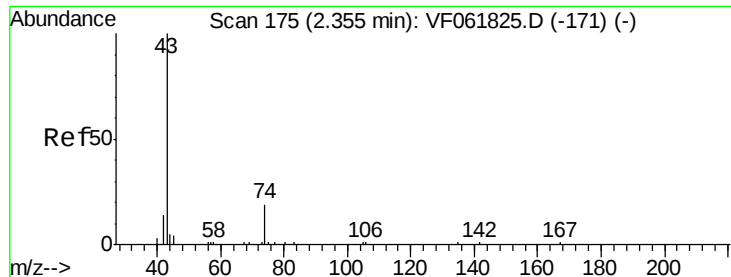
58 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

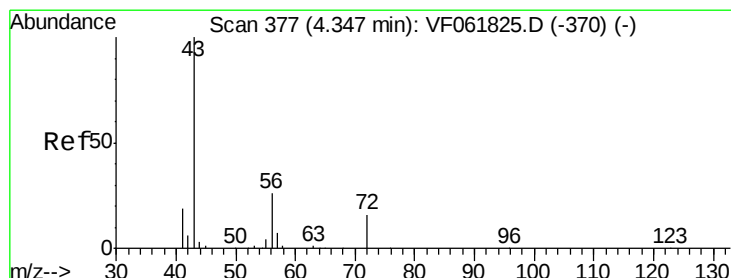
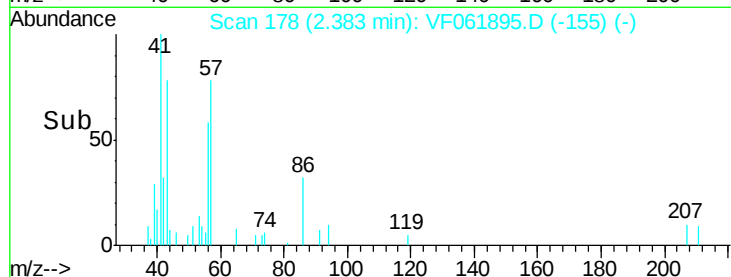
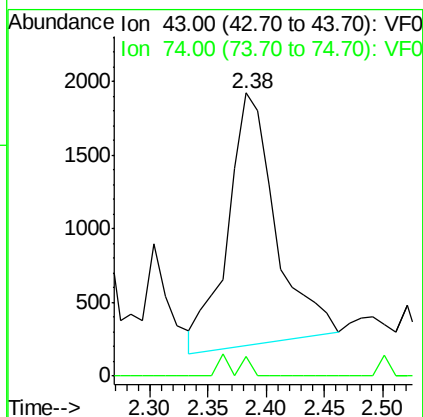
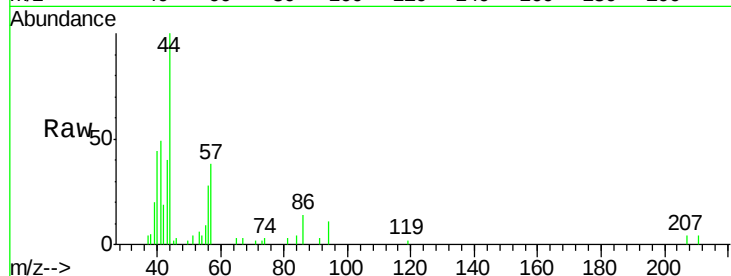




#18
Methyl Acetate
Concen: 2.259 ug/l
RT: 2.38 min Scan# 178
Delta R.T. 0.03 min
Lab File: VF061895.D
Acq: 11 Mar 2019 17:55

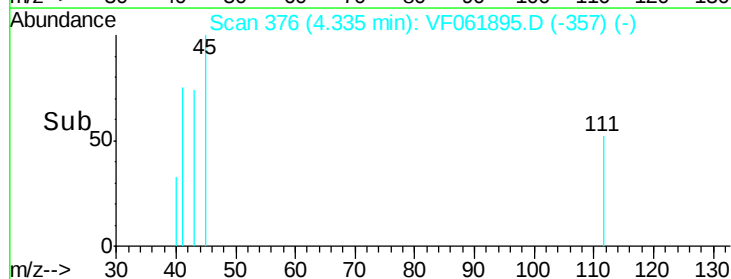
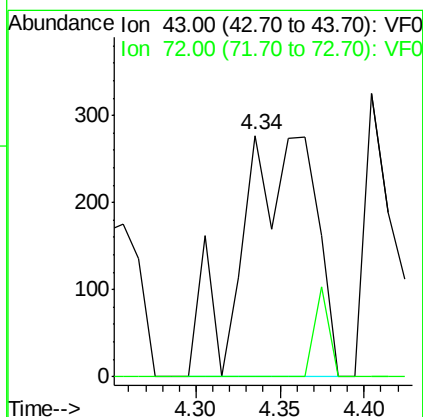
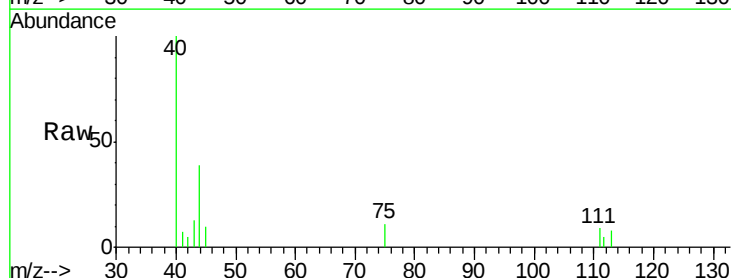
Instrument :
MSVOA_F
ClientSampled :
P-2

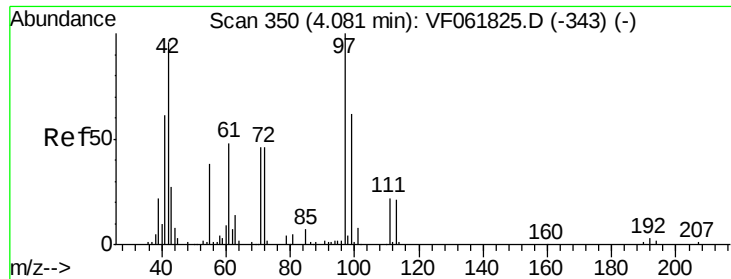
Tot Ion: 43 Resp: 4884
Ion Ratio Lower Upper
43 100
74 6.8 13.2 19.8#



#25
2-Butanone
Concen: 1.595 ug/l
RT: 4.34 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF061895.D
Acq: 11 Mar 2019 17:55

Tgt Ion: 43 Resp: 847
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#

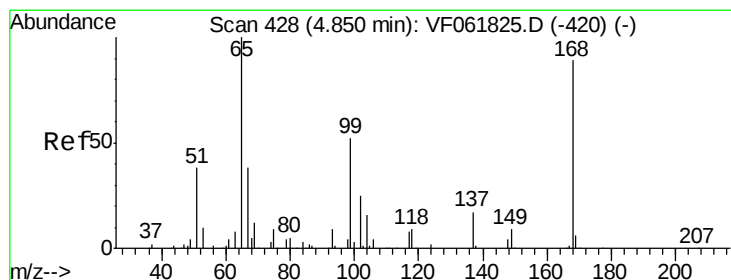
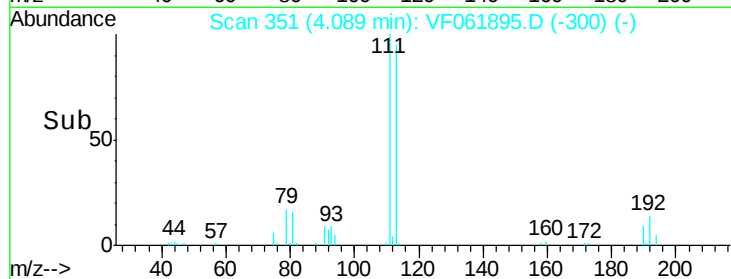
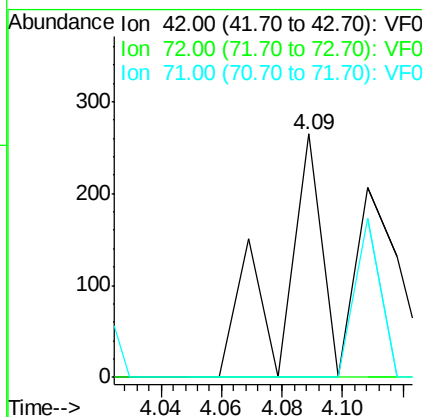
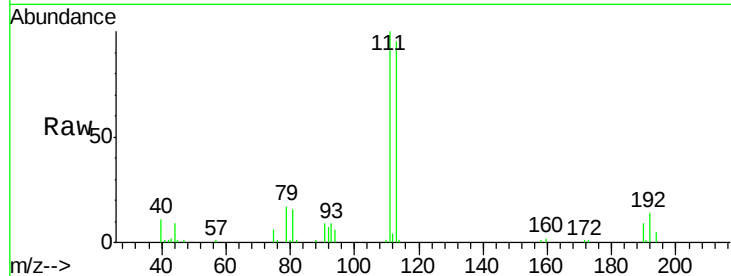




#29
Tetrahydrofuran
Concen: 1.074 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.01 min
Lab File: VF061895.D
Acq: 11 Mar 2019 17:55

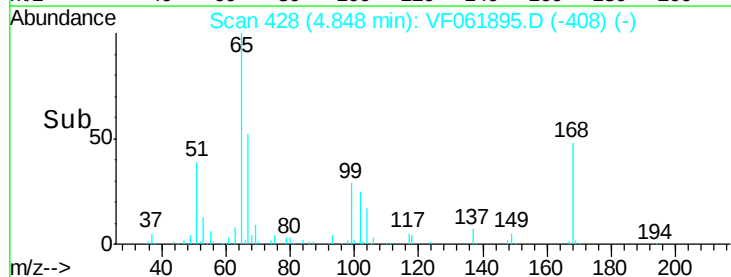
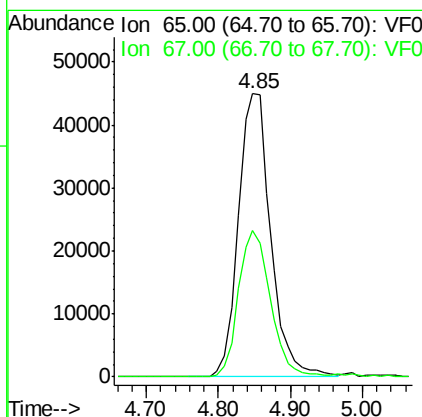
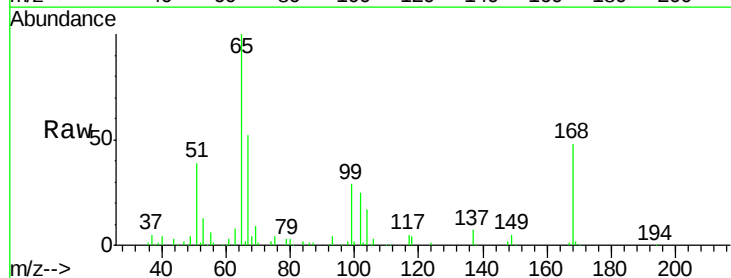
Instrument :
MSVOA_F
ClientSampleId :
P-2

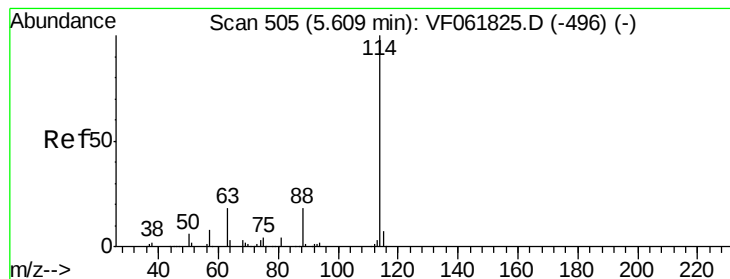
Tot Ion: 42 Resp: 246
Ion Ratio Lower Upper
42 100
72 0.0 34.4 51.6#
71 41.5 34.6 52.0



#33
1,2-Dichloroethane-d4
Concen: 113.279 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.00 min
Lab File: VF061895.D
Acq: 11 Mar 2019 17:55

Tgt Ion: 65 Resp: 141169
Ion Ratio Lower Upper
65 100
67 51.7 0.0 108.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.01 min

Lab File: VF061895.D

Acq: 11 Mar 2019 17:55

Instrument :

MSVOA_F

ClientSampleId :

P-2

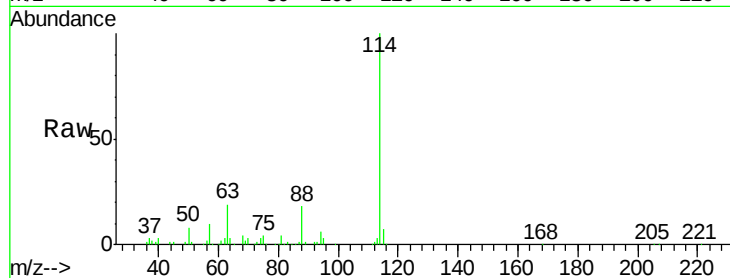
Tot Ion:114 Resp: 267417

Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.6

88 17.8 0.0 35.6

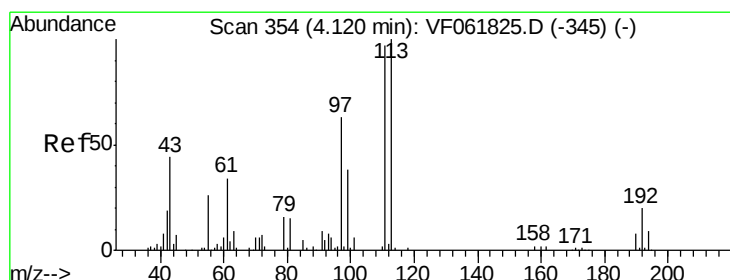
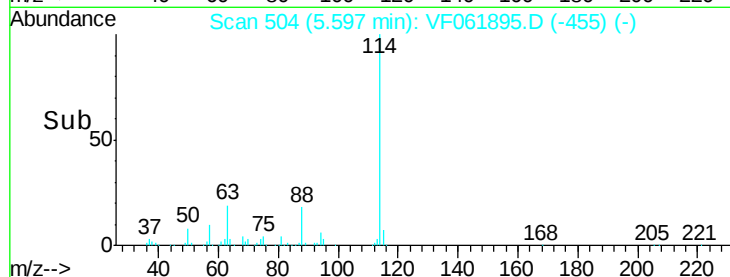
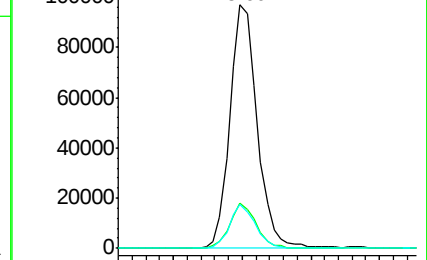


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

5.60



#35

Dibromofluoromethane

Concen: 100.783 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF061895.D

Acq: 11 Mar 2019 17:55

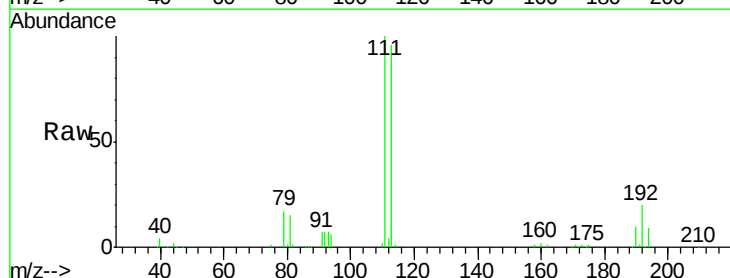
Tgt Ion:113 Resp: 188083

Ion Ratio Lower Upper

113 100

111 103.9 77.6 116.4

192 20.6 15.9 23.9

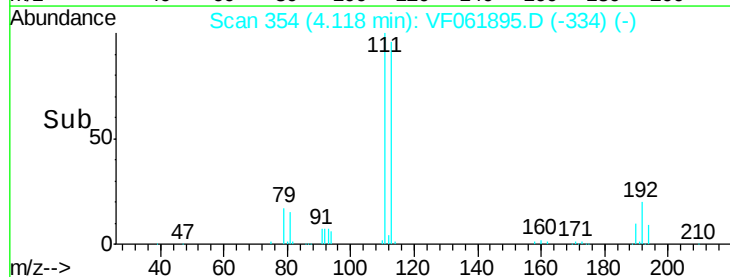
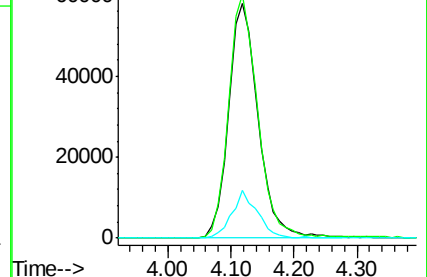


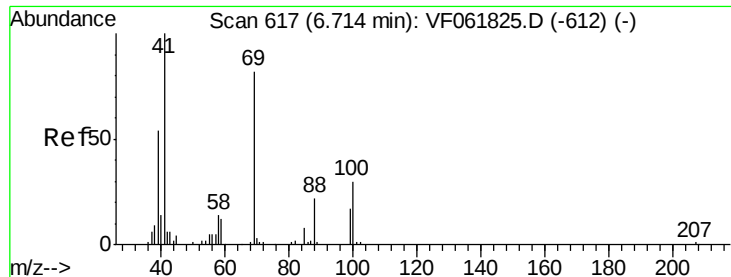
Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

4.12

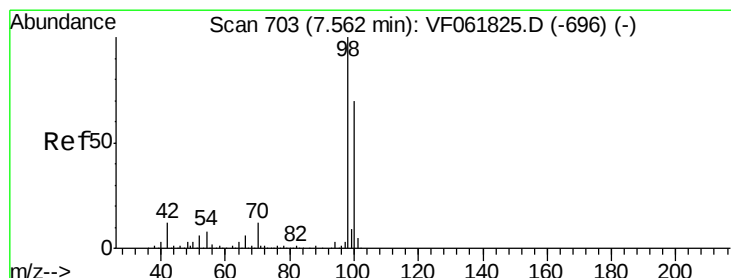
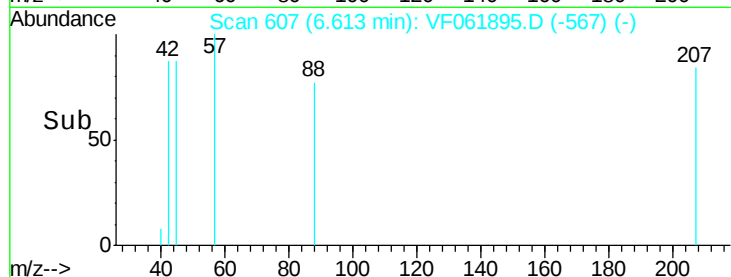
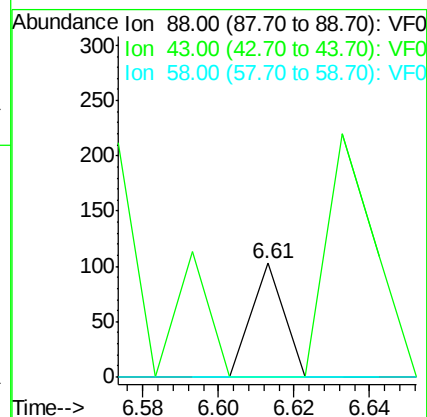
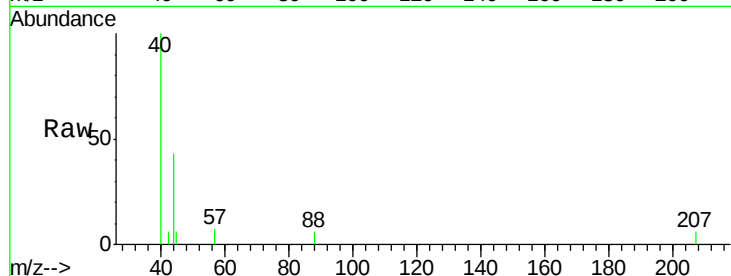




#49
1,4-Dioxane
Concen: 8.067 ug/l
RT: 6.61 min Scan# 607
Delta R.T. -0.10 min
Lab File: VF061895.D
Acq: 11 Mar 2019 17:55

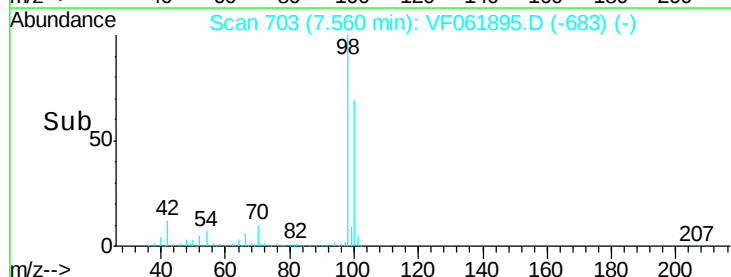
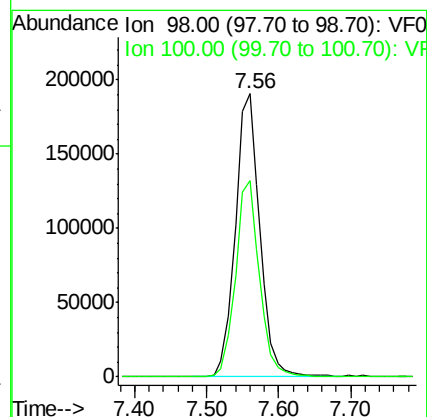
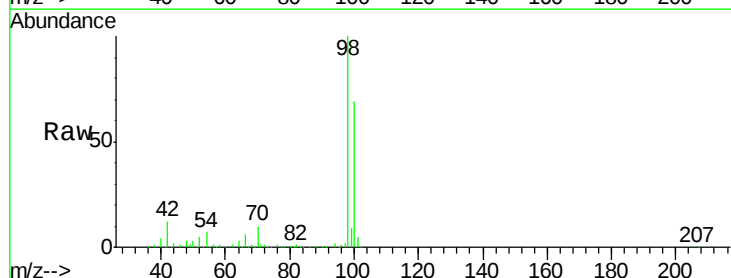
Instrument :
MSVOA_F
ClientSampleId :
P-2

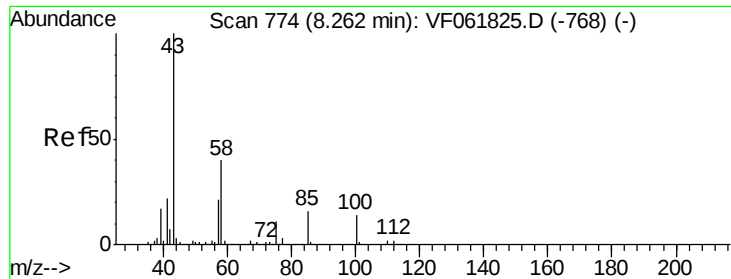
Tot Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 28.4 42.6#
58 0.0 50.7 76.1#



#50
Toluene-d8
Concen: 81.582 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF061895.D
Acq: 11 Mar 2019 17:55

Tgt Ion: 98 Resp: 452531
Ion Ratio Lower Upper
98 100
100 69.4 56.0 84.0





#51

4-Methyl-2-Pentanone

Concen: 1.087 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF061895.D

Acq: 11 Mar 2019 17:55

Instrument :

MSVOA_F

ClientSampleId :

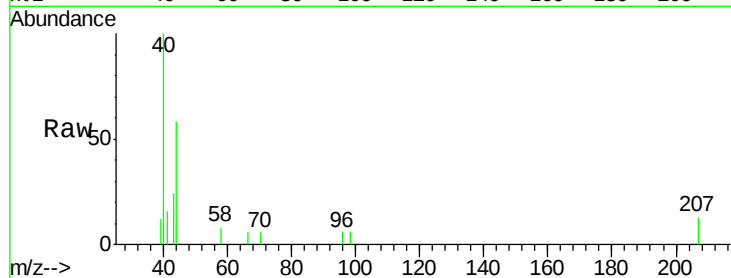
P-2

Tot Ion: 43 Resp: 982

Ion Ratio Lower Upper

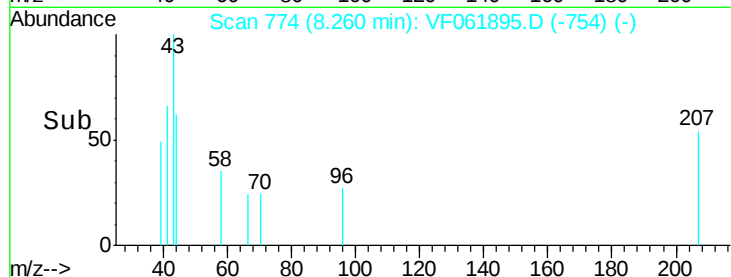
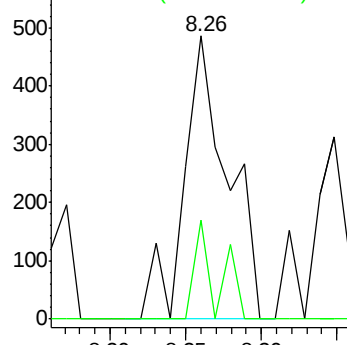
43 100

58 34.8 31.8 47.8

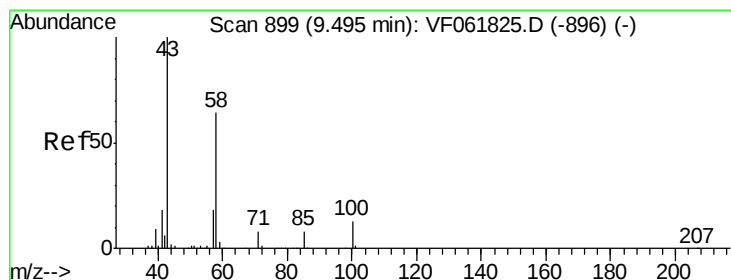


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#59

2-Hexanone

Concen: 1.309 ug/l

RT: 9.50 min Scan# 900

Delta R.T. 0.01 min

Lab File: VF061895.D

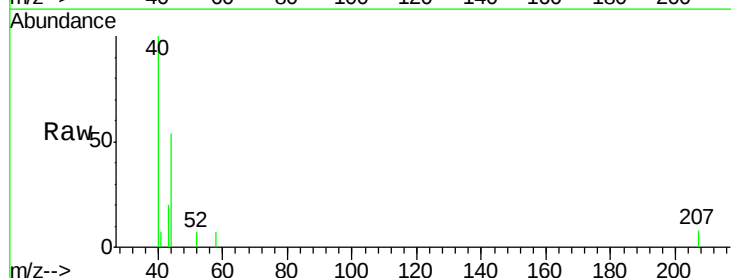
Acq: 11 Mar 2019 17:55

Tgt Ion: 43 Resp: 853

Ion Ratio Lower Upper

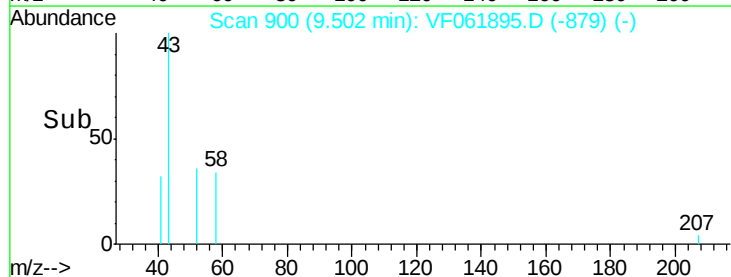
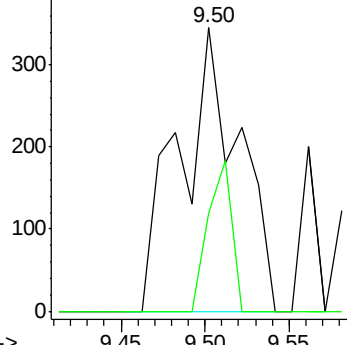
43 100

58 34.5 28.8 86.4

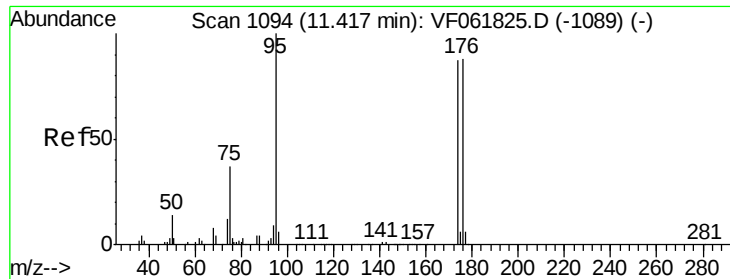


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



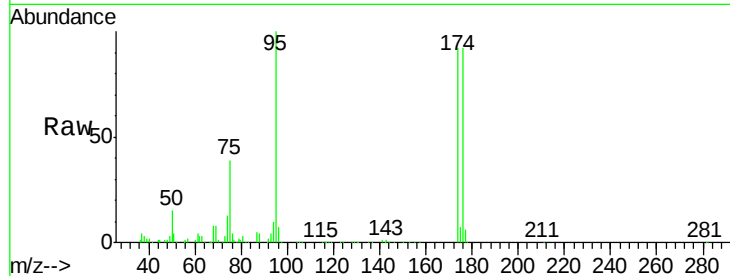
Time-->



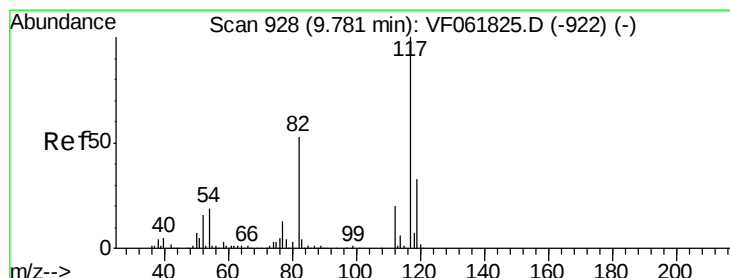
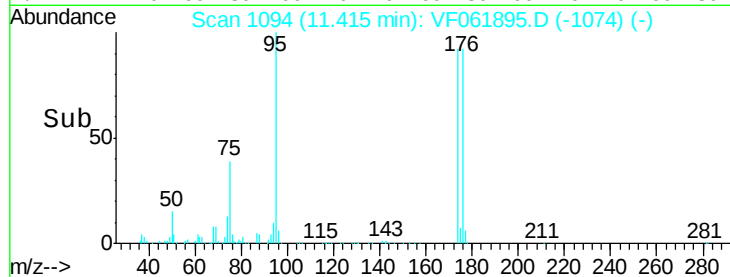
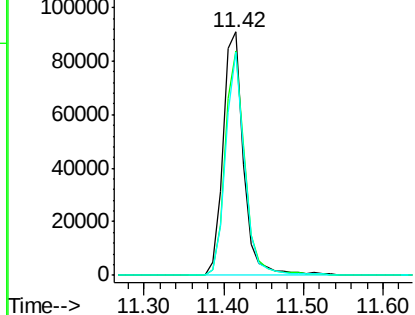
#62
4-Bromofluorobenzene
Concen: 76.637 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VF061895.D
Acq: 11 Mar 2019 17:55

Instrument :
MSVOA_F
ClientSampleId :
P-2

Tot Ion: 95 Resp: 166524
Ion Ratio Lower Upper
95 100
174 92.2 0.0 174.0
176 91.8 0.0 175.2

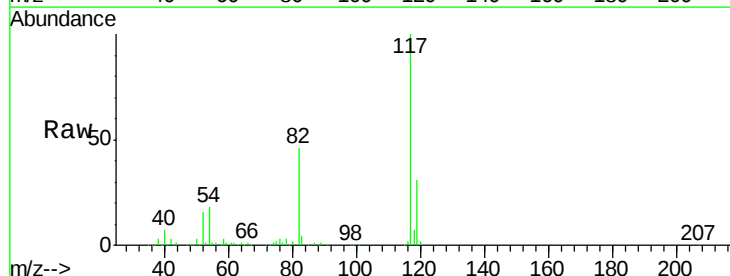


Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

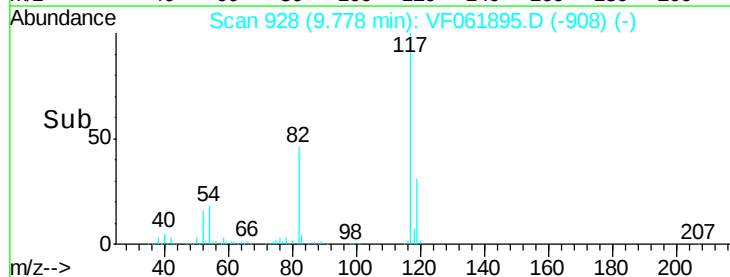
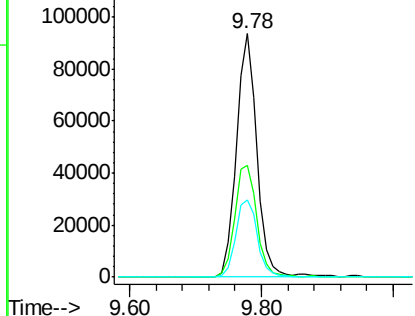


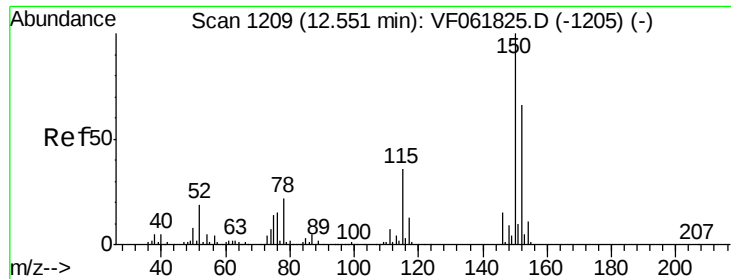
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF061895.D
Acq: 11 Mar 2019 17:55

Tgt Ion: 117 Resp: 204850
Ion Ratio Lower Upper
117 100
82 45.9 42.6 63.8
119 31.5 26.0 39.0



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061895.D

Acq: 11 Mar 2019 17:55

Instrument :

MSVOA_F

ClientSampleId :

P-2

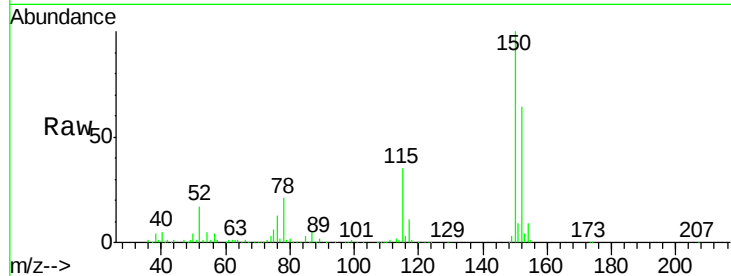
Tot Ion:152 Resp: 98185

Ion Ratio Lower Upper

152 100

115 54.6 27.7 83.1

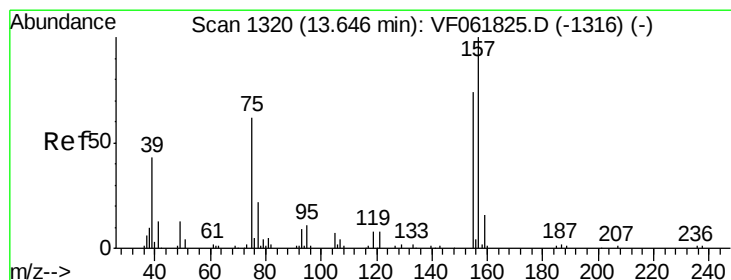
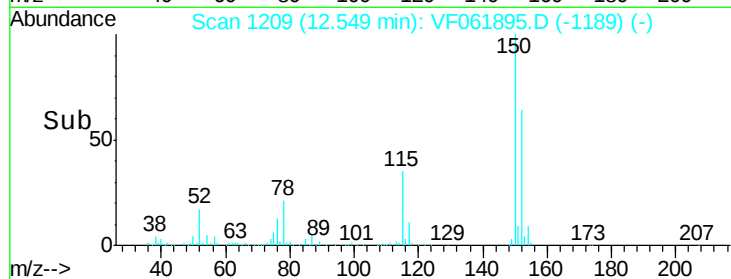
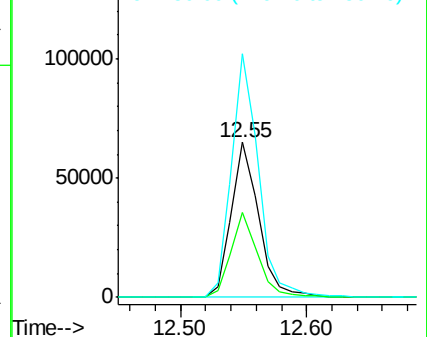
150 156.8 0.0 304.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.066 ug/l

RT: 13.75 min Scan# 1331

Delta R.T. 0.11 min

Lab File: VF061895.D

Acq: 11 Mar 2019 17:55

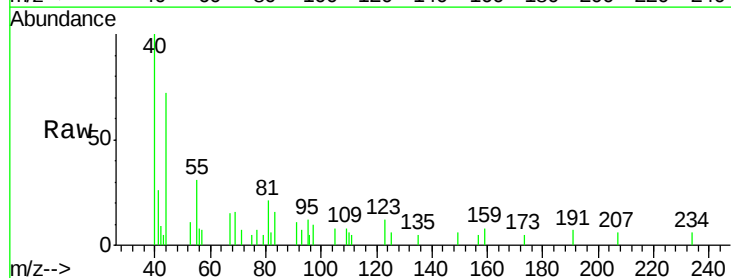
Tgt Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 100.9 81.2 243.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

