

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031219\
 Data File : VF061921.D
 Acq On : 12 Mar 2019 22:54
 Operator : VA/AP
 Sample : K1866-03
 Misc : 7.14g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MR-MH-03-COMP

Quant Time: Mar 13 02:10:37 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	4.85	168	292585	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	471393	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	391400	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.53	152	220993	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	132797	62.32	ug/l	-0.03
Spiked Amount			Recovery	=	124.64%	
35) Dibromofluoromethane	4.09	113	182516	55.48	ug/l	-0.03
Spiked Amount			Recovery	=	110.96%	
50) Toluene-d8	7.53	98	464430	47.50	ug/l	-0.03
Spiked Amount			Recovery	=	95.00%	
62) 4-Bromofluorobenzene	11.40	95	196160	51.21	ug/l	-0.02
Spiked Amount			Recovery	=	102.42%	

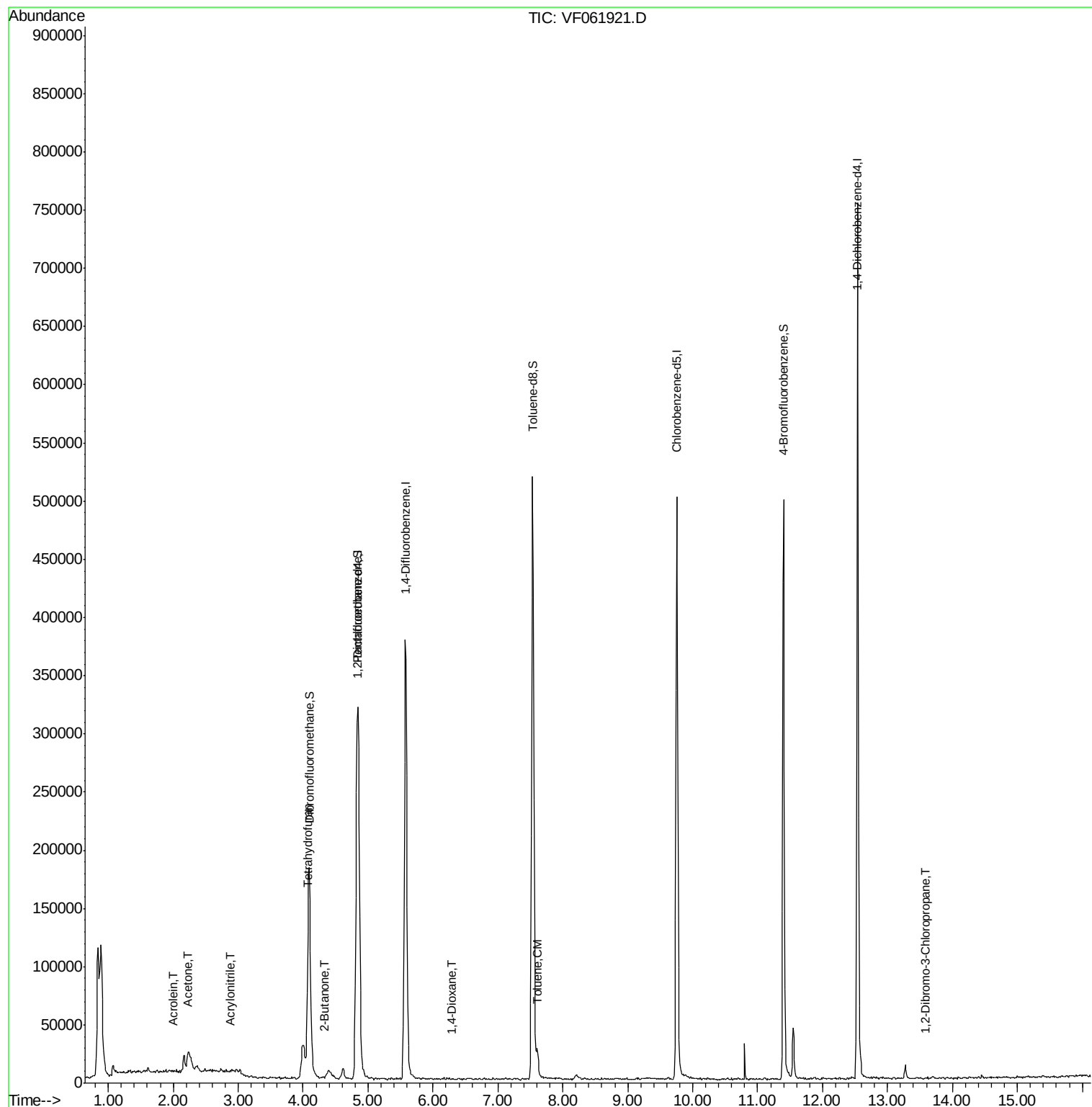
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	1.99	56	770	5.025	ug/l	92
15) Acrylonitrile	2.88	53	482	1.252	ug/l #	1
16) Acetone	2.23	43	6074	13.609	ug/l #	80
18) Methyl Acetate	2.37	43	4210	Below Cal	#	90
25) 2-Butanone	4.33	43	957	1.054	ug/l #	56
29) Tetrahydrofuran	4.06	42	1945	4.968	ug/l #	61
49) 1,4-Dioxane	6.29	88	89	6.677	ug/l #	18
52) Toluene	7.60	92	13456	1.954	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.60	75	73	3.921	ug/l #	1

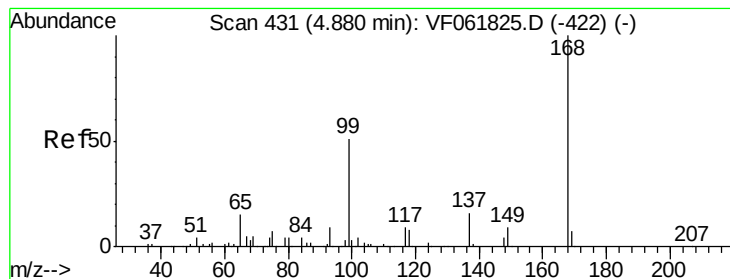
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061921.D

Acq: 12 Mar 2019 22:54

Instrument :

MSVOA_F

ClientSampleId :

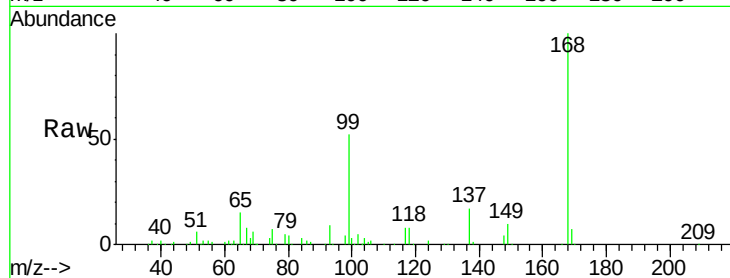
MR-MH-03-COMP

Tot Ion:168 Resp: 292585

Ion Ratio Lower Upper

168 100

99 52.1 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

80000

60000

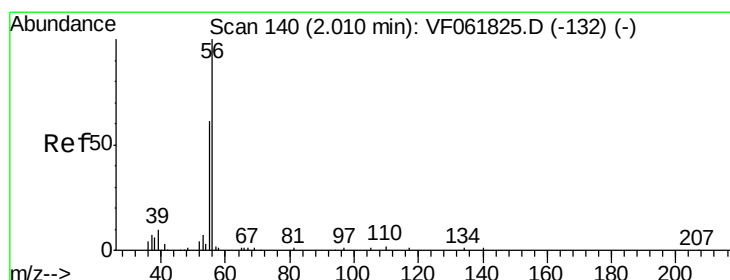
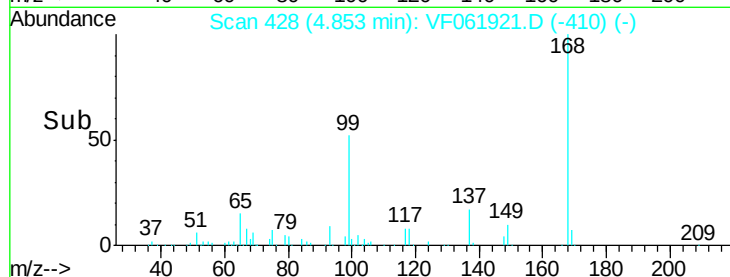
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#13

Acrolein

Concen: 5.025 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061921.D

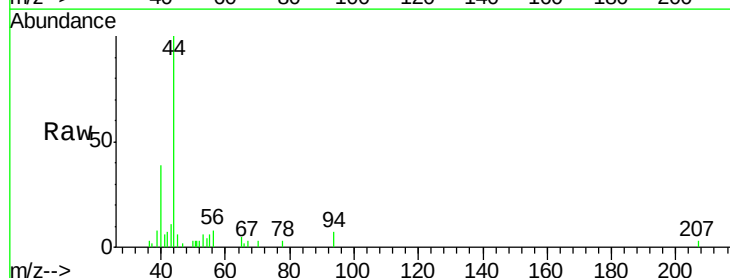
Acq: 12 Mar 2019 22:54

Tgt Ion: 56 Resp: 770

Ion Ratio Lower Upper

56 100

55 70.7 51.3 76.9



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

1.99

400

300

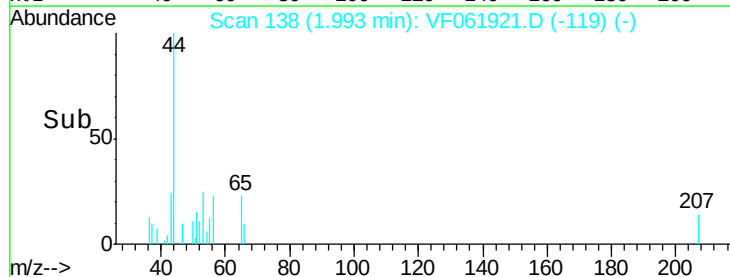
200

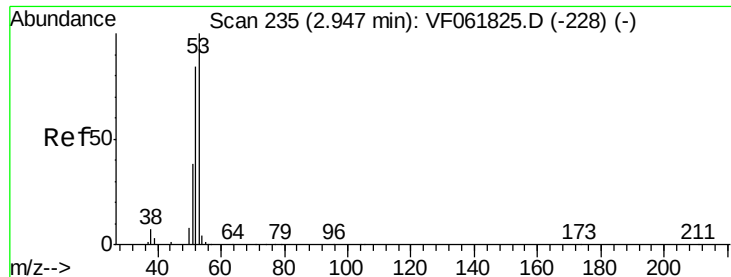
100

0

1.95 2.00 2.05

Time-->





#15

Acrylonitrile

Concen: 1.252 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.07 min

Lab File: VF061921.D

Acq: 12 Mar 2019 22:54

Instrument :

MSVOA_F

ClientSampleId :

MR-MH-03-COMP

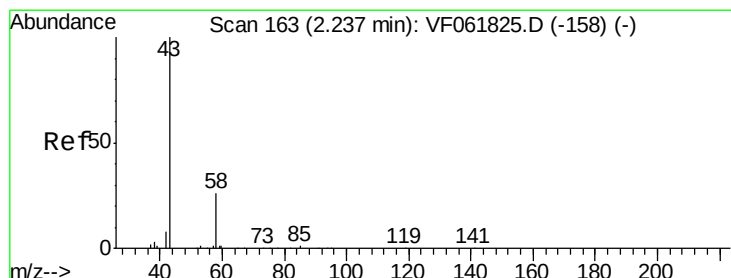
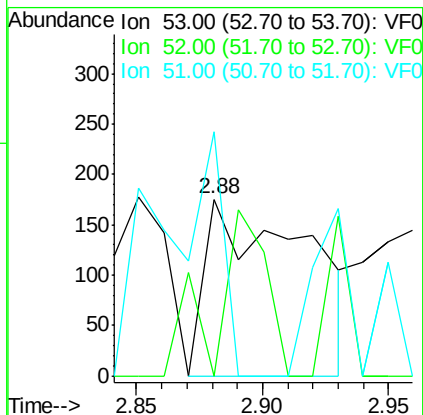
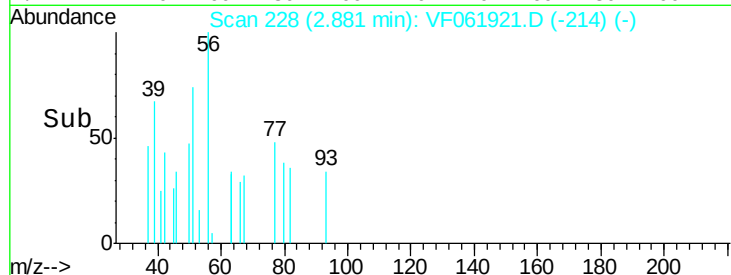
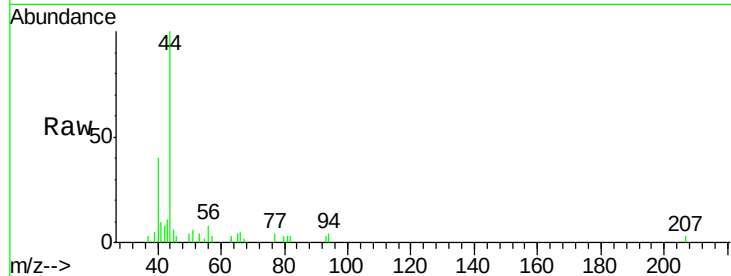
Tot Ion: 53 Resp: 482

Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

51 138.3 30.7 46.1#



#16

Acetone

Concen: 13.609 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061921.D

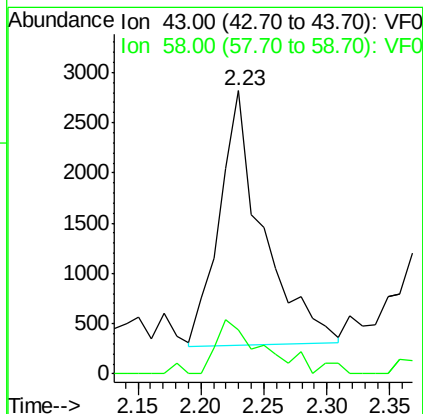
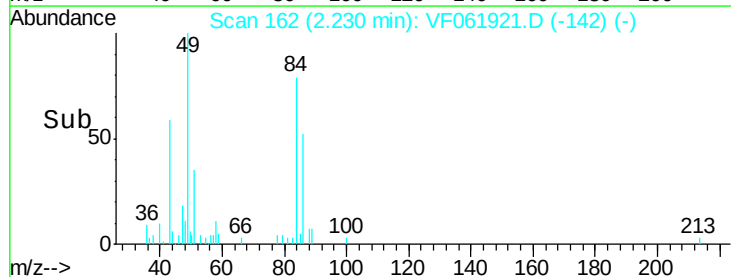
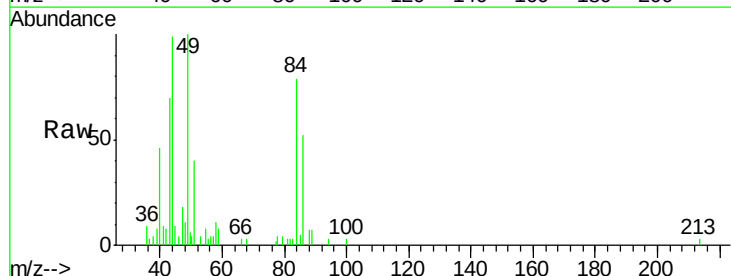
Acq: 12 Mar 2019 22:54

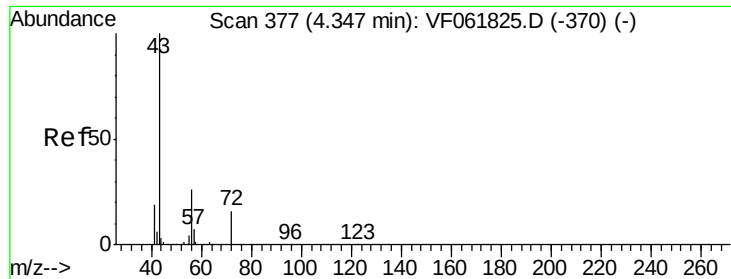
Tgt Ion: 43 Resp: 6074

Ion Ratio Lower Upper

43 100

58 15.5 20.3 30.5#





#25

2-Butanone

Concen: 1.054 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.02 min

Lab File: VF061921.D

Acq: 12 Mar 2019 22:54

Instrument :

MSVOA_F

ClientSampleId :

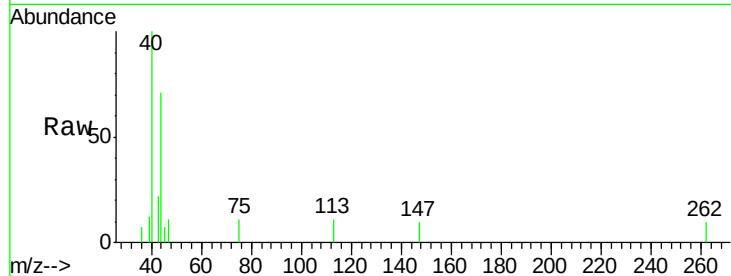
MR-MH-03-COMP

Tot Ion: 43 Resp: 957

Ion Ratio Lower Upper

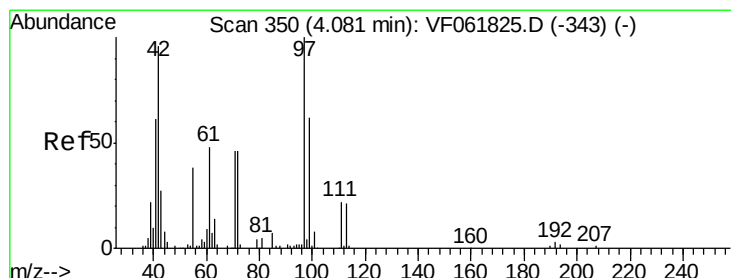
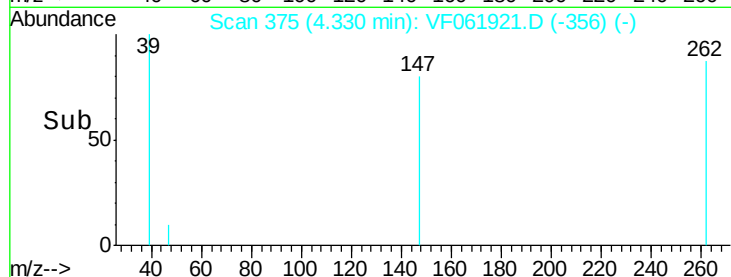
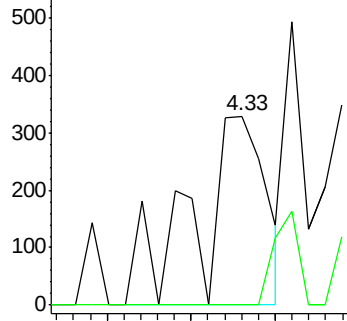
43 100

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



#29

Tetrahydrofuran

Concen: 4.968 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.02 min

Lab File: VF061921.D

Acq: 12 Mar 2019 22:54

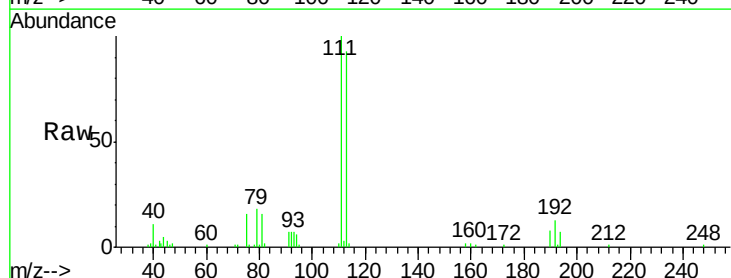
Tgt Ion: 42 Resp: 1945

Ion Ratio Lower Upper

42 100

72 18.9 34.4 51.6#

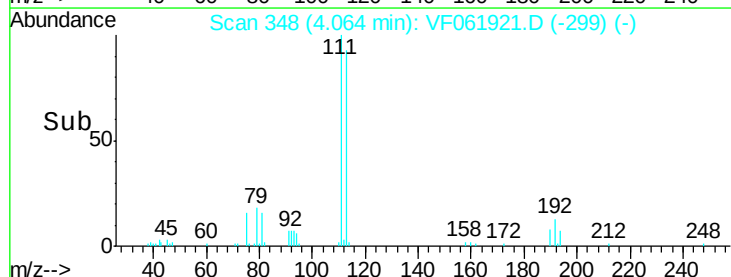
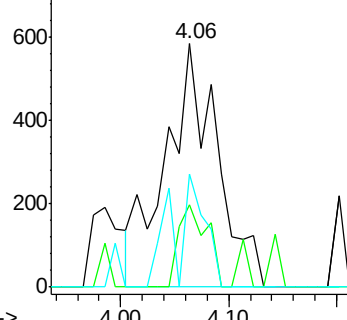
71 17.7 34.6 52.0#

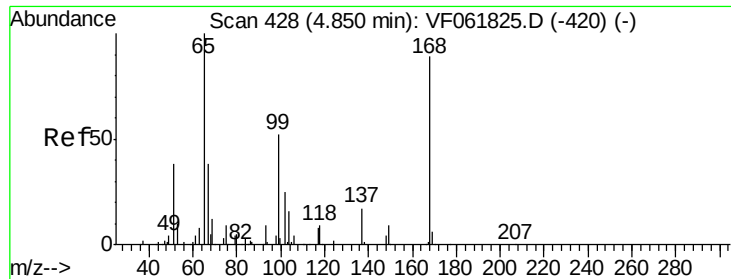


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

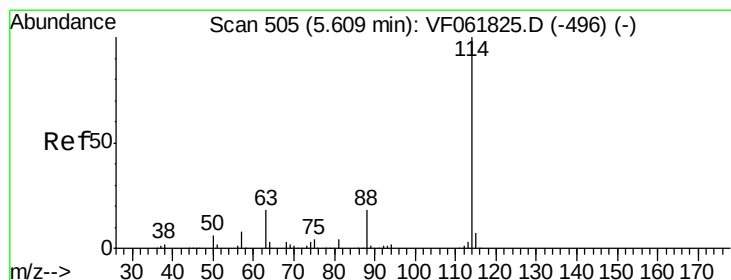
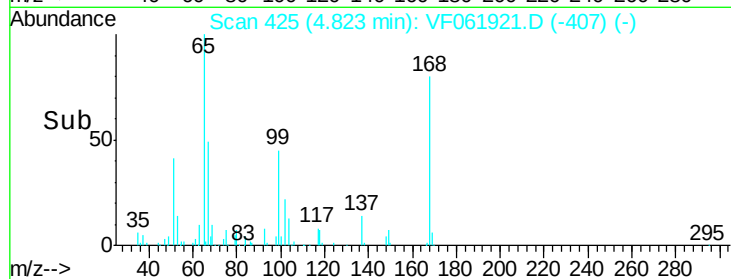
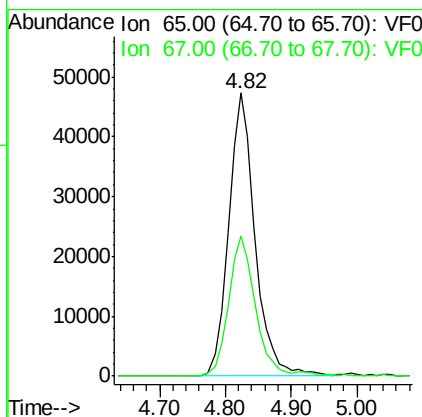
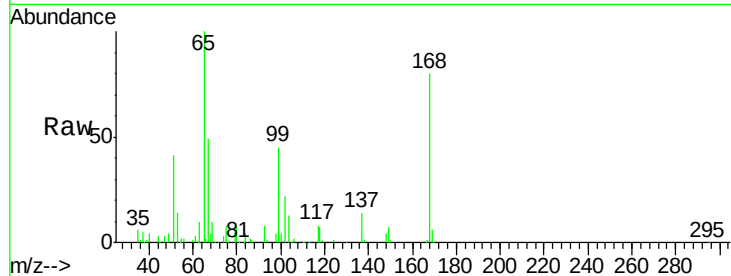




#33
 1,2-Dichloroethane-d4
 Concen: 62.324 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.03 min
 Lab File: VF061921.D
 Acq: 12 Mar 2019 22:54

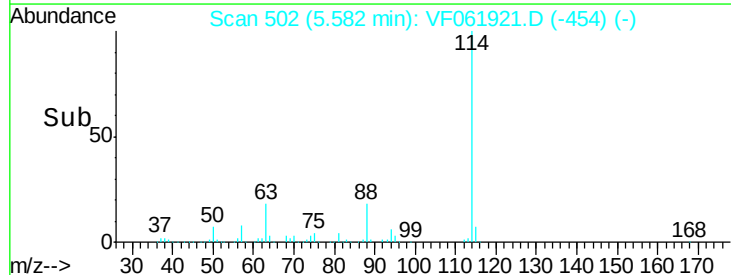
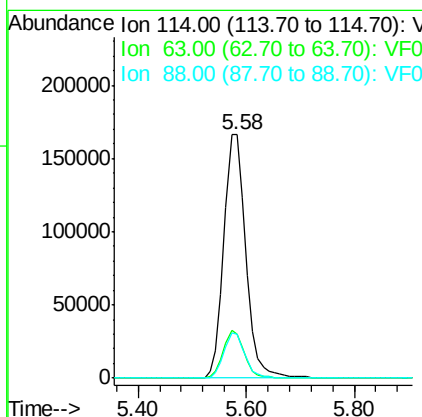
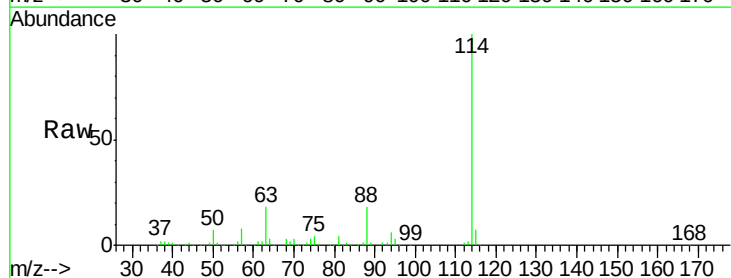
Instrument :
 MSVOA_F
 ClientSampleId :
 MR-MH-03-COMP

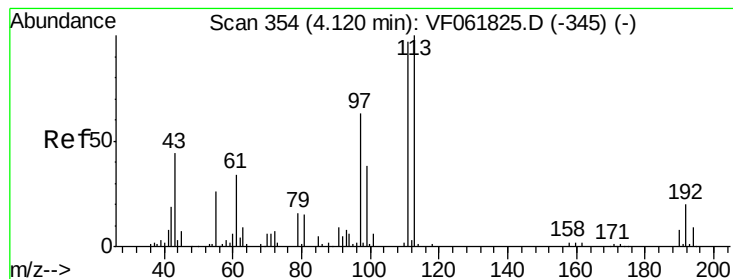
Tot Ion: 65 Resp: 132797
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.03 min
 Lab File: VF061921.D
 Acq: 12 Mar 2019 22:54

Tgt Ion: 114 Resp: 471393
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.6
 88 18.3 0.0 35.6





#35

Dibromofluoromethane

Concen: 55.481 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061921.D

Acq: 12 Mar 2019 22:54

Instrument :

MSVOA_F

ClientSampleId :

MR-MH-03-COMP

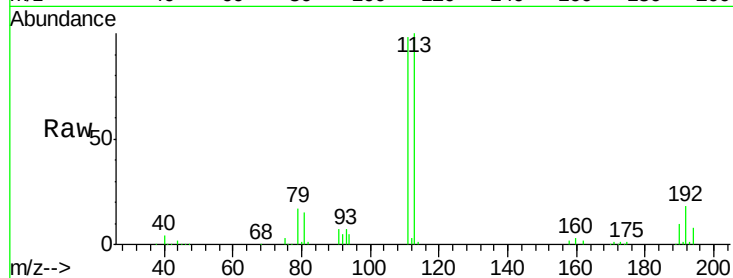
Tot Ion:113 Resp: 182516

Ion Ratio Lower Upper

113 100

111 98.0 77.6 116.4

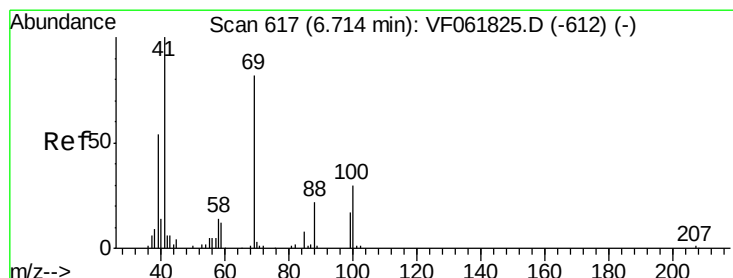
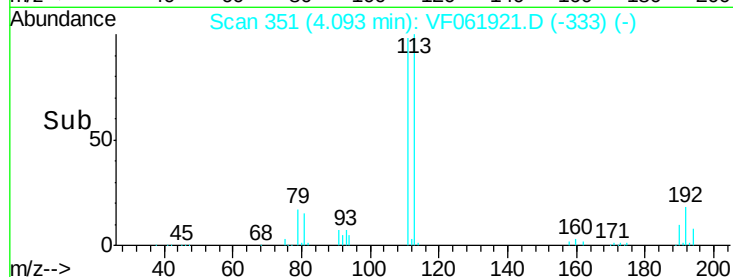
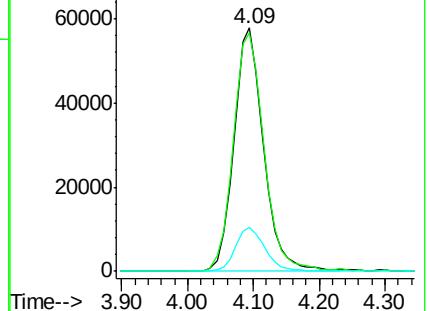
192 17.9 15.9 23.9



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: 6.677 ug/l

RT: 6.29 min Scan# 574

Delta R.T. -0.42 min

Lab File: VF061921.D

Acq: 12 Mar 2019 22:54

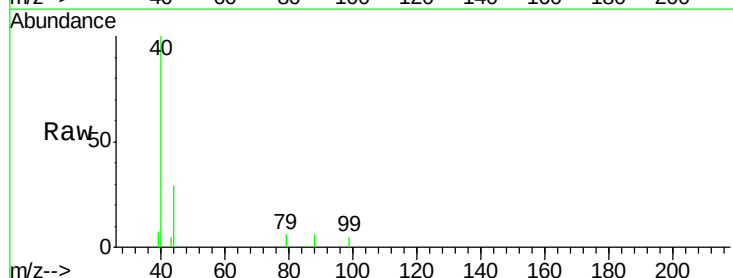
Tgt Ion: 88 Resp: 89

Ion Ratio Lower Upper

88 100

43 84.7 28.4 42.6#

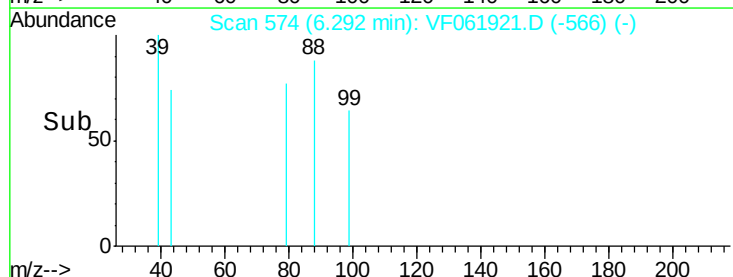
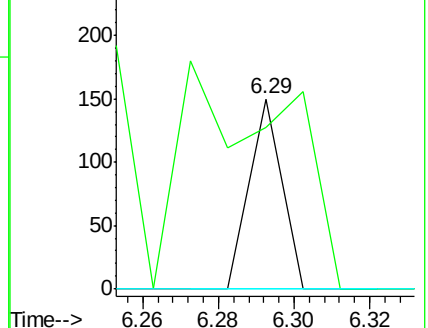
58 0.0 50.7 76.1#

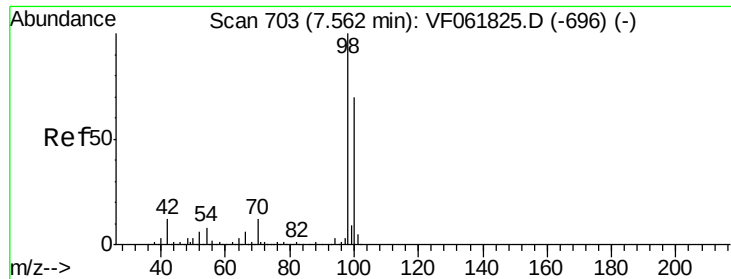


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 47.497 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061921.D

Acq: 12 Mar 2019 22:54

Instrument :

MSVOA_F

ClientSampleId :

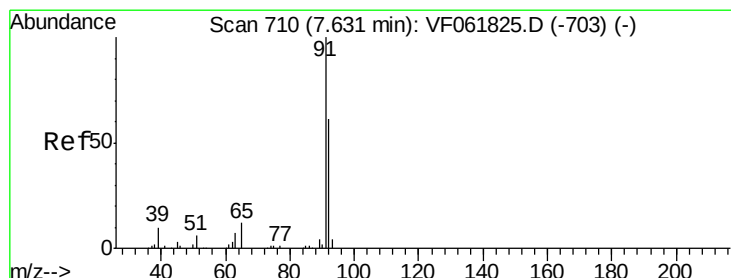
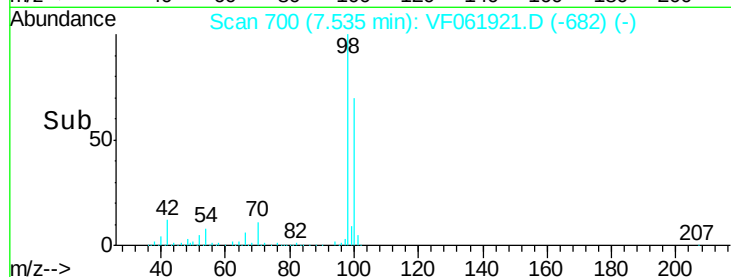
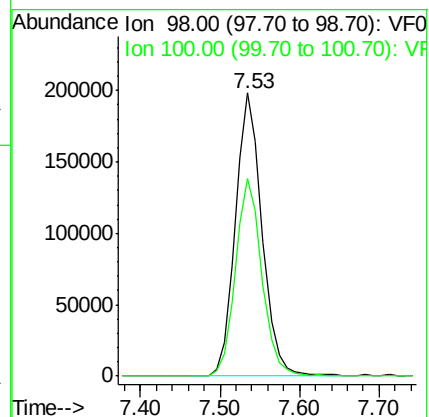
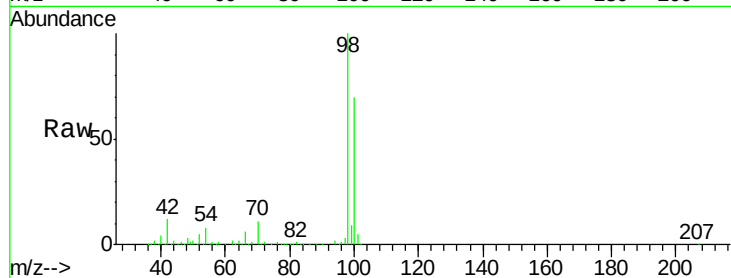
MR-MH-03-COMP

Tot Ion: 98 Resp: 464430

Ion Ratio Lower Upper

98 100

100 69.8 56.0 84.0



#52

Toluene

Concen: 1.954 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.03 min

Lab File: VF061921.D

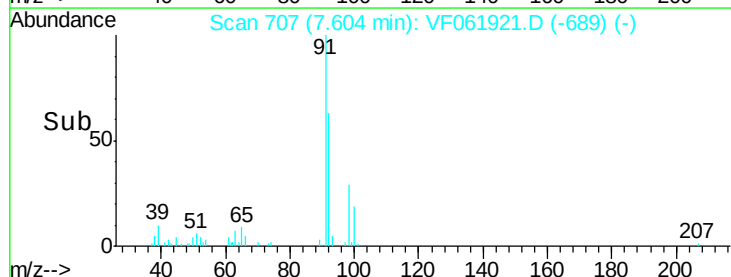
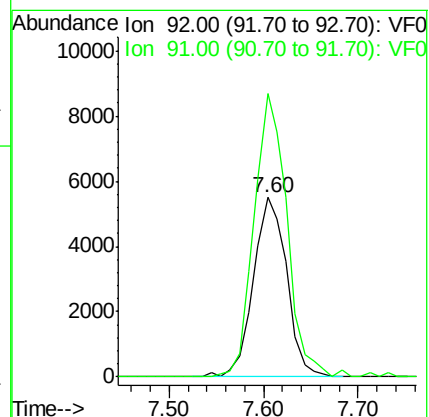
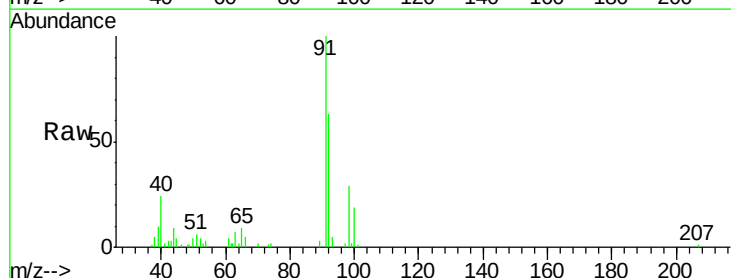
Acq: 12 Mar 2019 22:54

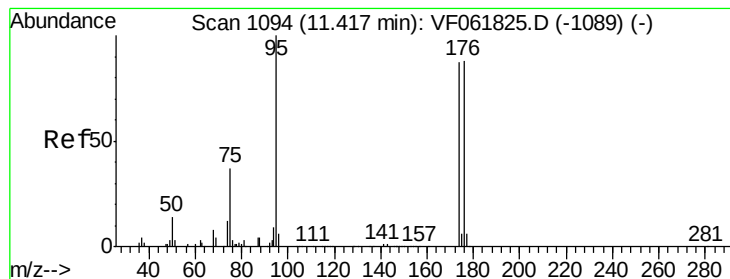
Tgt Ion: 92 Resp: 13456

Ion Ratio Lower Upper

92 100

91 157.6 132.0 198.0





#62

4-Bromofluorobenzene

Concen: 51.213 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061921.D

Acq: 12 Mar 2019 22:54

Instrument :

MSVOA_F

ClientSampleId :

MR-MH-03-COMP

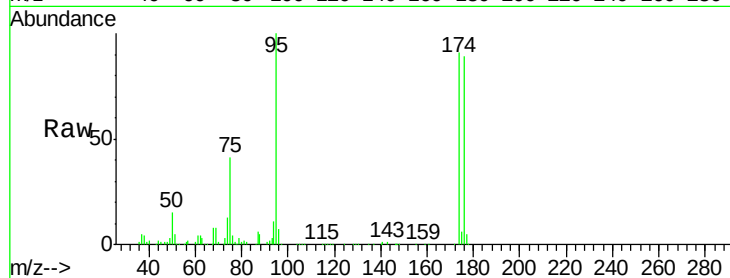
Tot Ion: 95 Resp: 196160

Ion Ratio Lower Upper

95 100

174 91.4 0.0 174.0

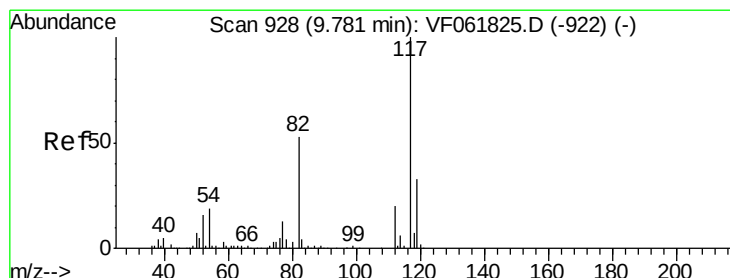
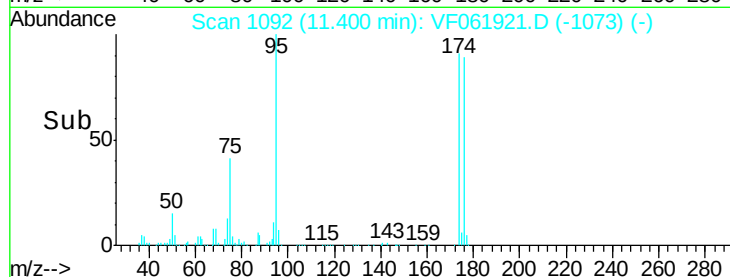
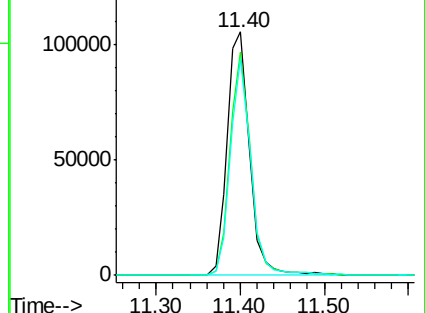
176 89.2 0.0 175.2



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: 9.75 min Scan# 925

Delta R.T. -0.03 min

Lab File: VF061921.D

Acq: 12 Mar 2019 22:54

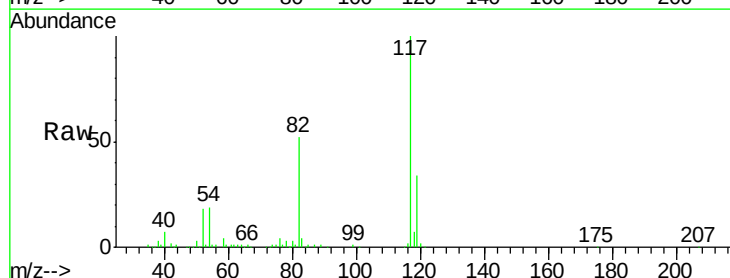
Tgt Ion: 117 Resp: 391400

Ion Ratio Lower Upper

117 100

82 52.2 42.6 63.8

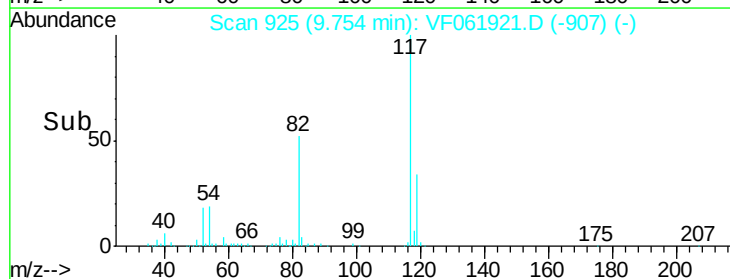
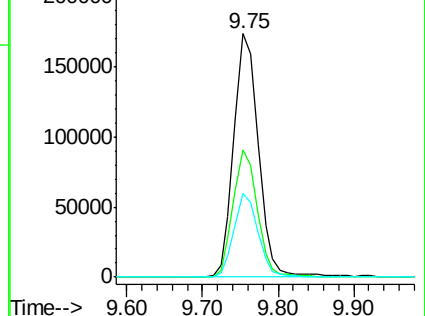
119 34.4 26.0 39.0

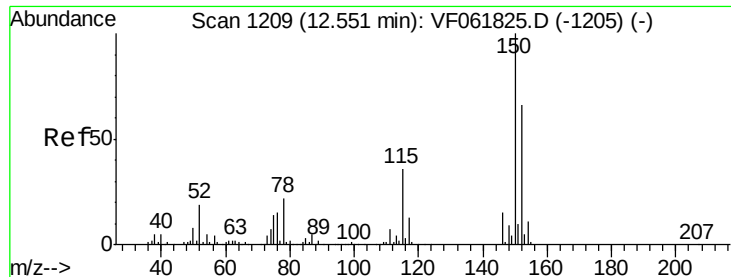


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



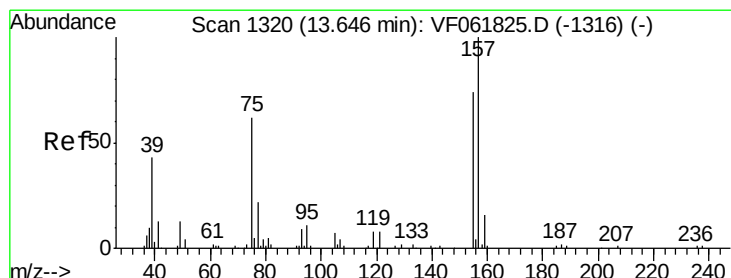
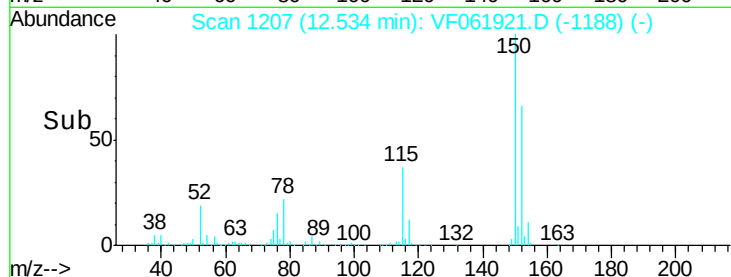
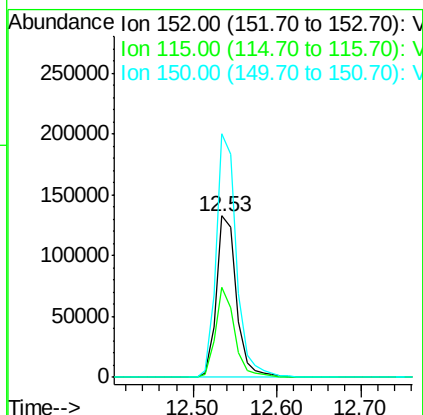
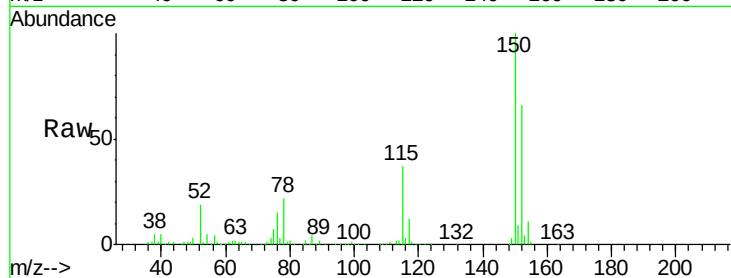


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF061921.D
Acq: 12 Mar 2019 22:54

Instrument :
MSVOA_F
ClientSampleId :
MR-MH-03-COMP

Tot Ion:152 Resp: 220993
Ion Ratio Lower Upper
152 100
115 56.1 27.7 83.1
150 151.1 0.0 304.2



#92

1,2-Dibromo-3-Chloropropane
Concen: 3.921 ug/l
RT: 13.60 min Scan# 1315
Delta R.T. -0.05 min
Lab File: VF061921.D
Acq: 12 Mar 2019 22:54

Tgt Ion: 75 Resp: 73
Ion Ratio Lower Upper
75 100
155 0.0 59.8 179.4#
157 0.0 81.2 243.4#

