

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031219\
 Data File : VF061918.D
 Acq On : 12 Mar 2019 21:28
 Operator : VA/AP
 Sample : K1866-15
 Misc : 5.80g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MR-MH-12-COMP

Quant Time: Mar 13 02:10:05 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

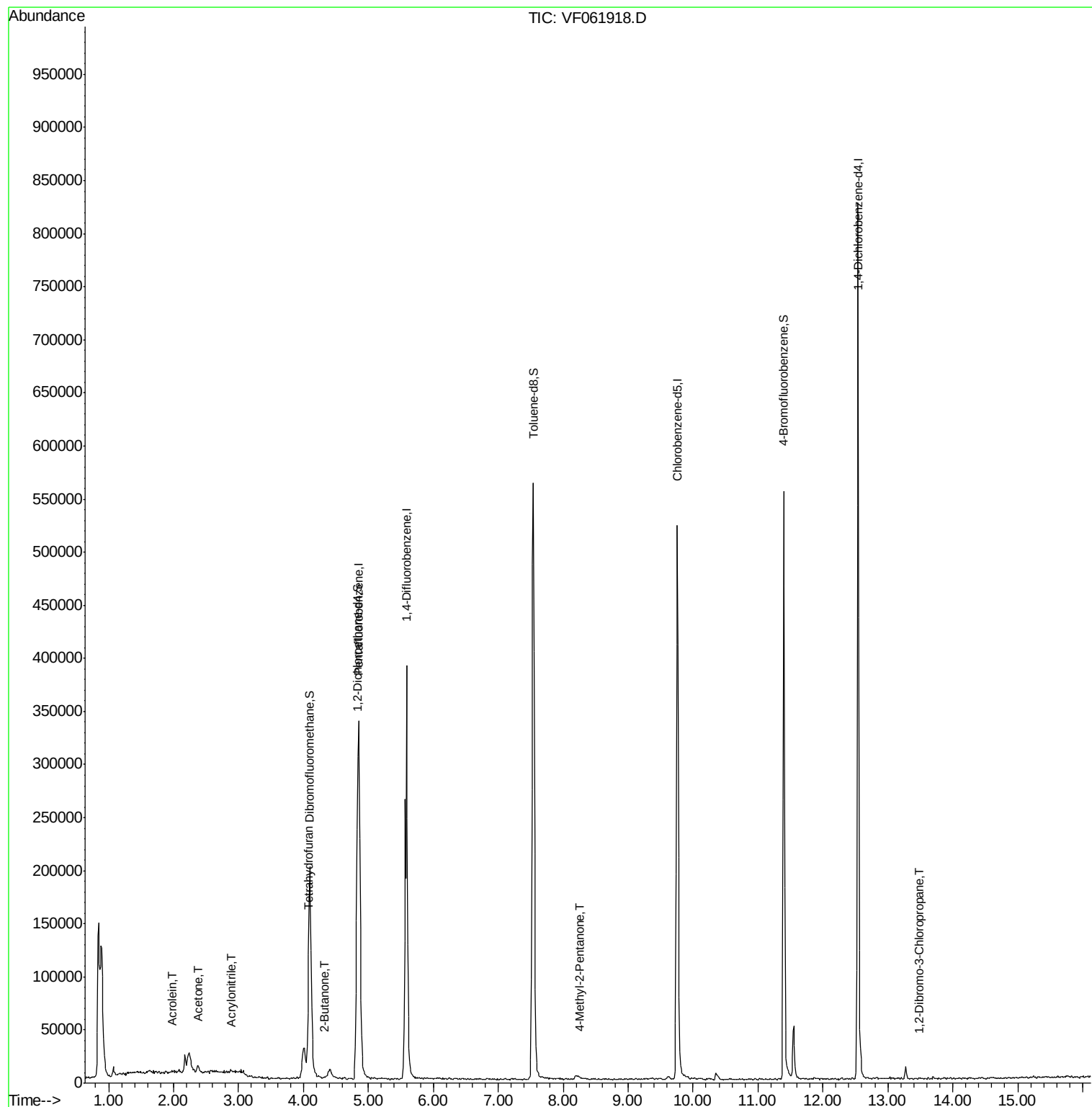
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	297475	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	402709	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	414081	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	230310	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	131177	60.55	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	121.10%	
35) Dibromofluoromethane	4.10	113	187358	66.67	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	133.34%	
50) Toluene-d8	7.54	98	493500	59.08	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	118.16%	
62) 4-Bromofluorobenzene	11.40	95	211224	64.55	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	129.10%	
Target Compounds						
					Qvalue	
13) Acrolein	1.98	56	254	1.630	ug/l #	1
15) Acrylonitrile	2.91	53	693	1.770	ug/l #	27
16) Acetone	2.36	43	1127	2.484	ug/l	92
18) Methyl Acetate	2.38	43	1867	Below Cal	#	62
20) Methylene Chloride	2.18	84	7304	Below Cal		95
25) 2-Butanone	4.32	43	1510	1.636	ug/l #	56
29) Tetrahydrofuran	4.07	42	1487	3.735	ug/l #	71
51) 4-Methyl-2-Pentanone	8.25	43	2528	1.858	ug/l #	83
92) 1,2-Dibromo-3-Chloropropan	13.48	75	63	3.895	ug/l #	1

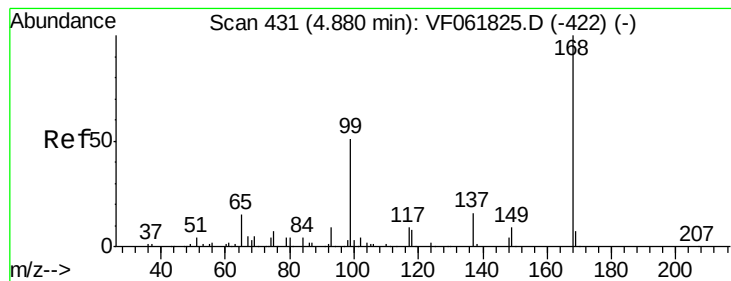
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031219\
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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: VF061918.D

Acq: 12 Mar 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

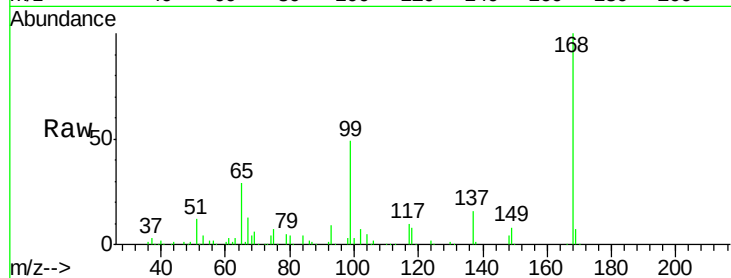
MR-MH-12-COMP

Tot Ion:168 Resp: 297475

Ion Ratio Lower Upper

168 100

99 48.7 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

100000

80000

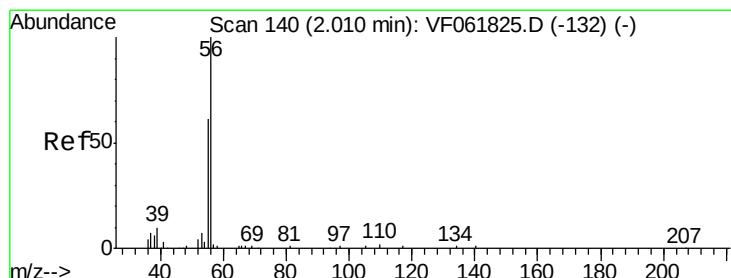
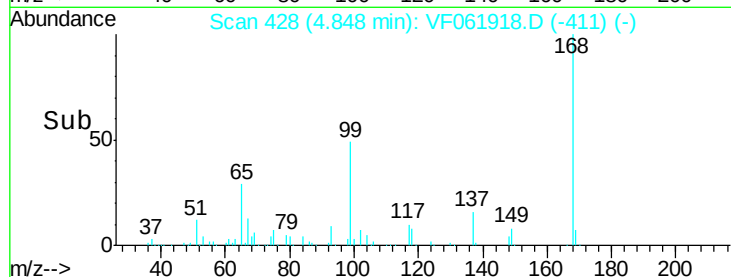
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#13

Acrolein

Concen: 1.630 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.03 min

Lab File: VF061918.D

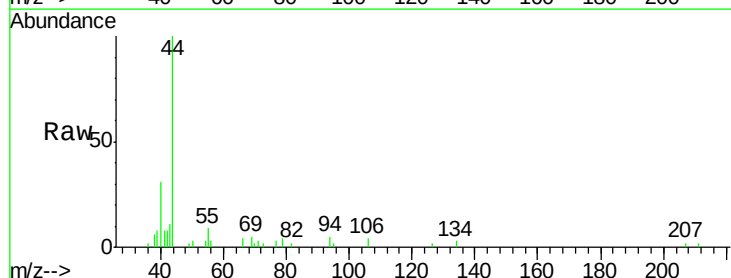
Acq: 12 Mar 2019 21:28

Tgt Ion: 56 Resp: 254

Ion Ratio Lower Upper

56 100

55 297.5 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

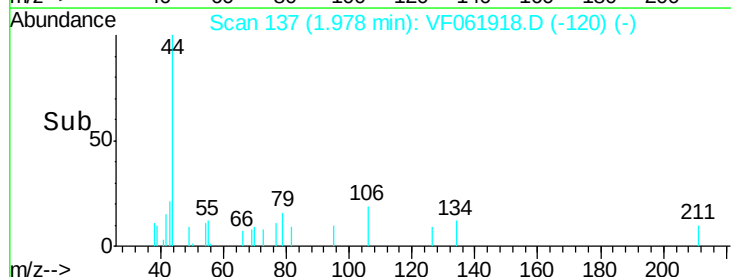
300

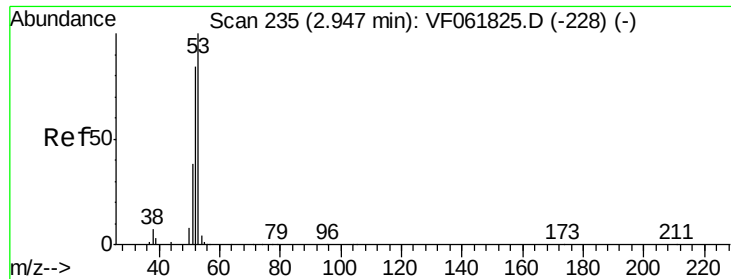
200

100

0

Time--> 1.94 1.96 1.98 2.00





#15

Acrylonitrile

Concen: 1.770 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.04 min

Lab File: VF061918.D

Acq: 12 Mar 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

MR-MH-12-COMP

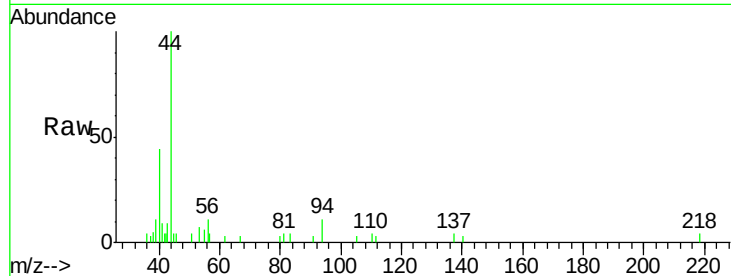
Tot Ion: 53 Resp: 693

Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

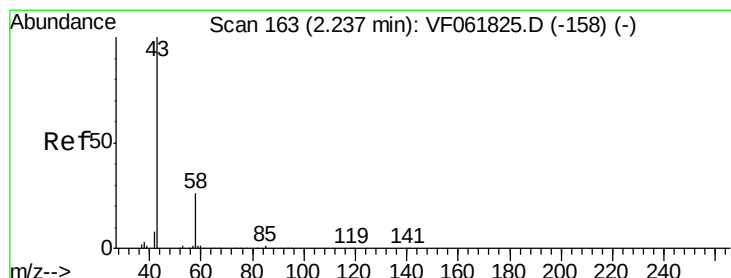
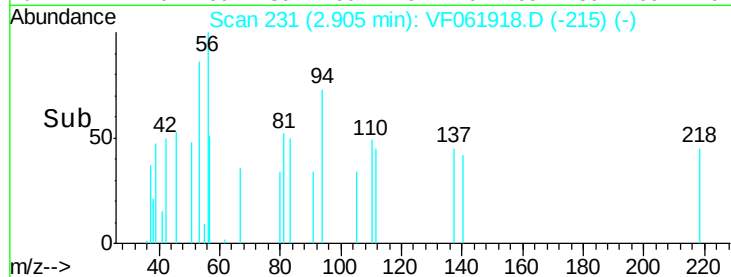
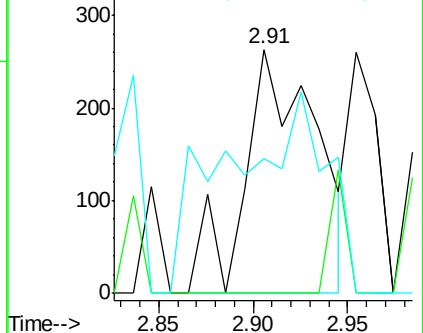
51 55.5 30.7 46.1#



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: 2.484 ug/l

RT: 2.36 min Scan# 176

Delta R.T. 0.13 min

Lab File: VF061918.D

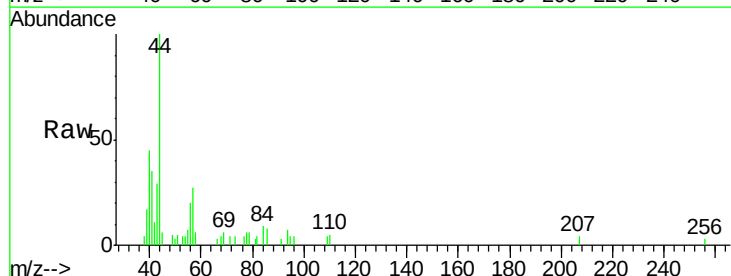
Acq: 12 Mar 2019 21:28

Tgt Ion: 43 Resp: 1127

Ion Ratio Lower Upper

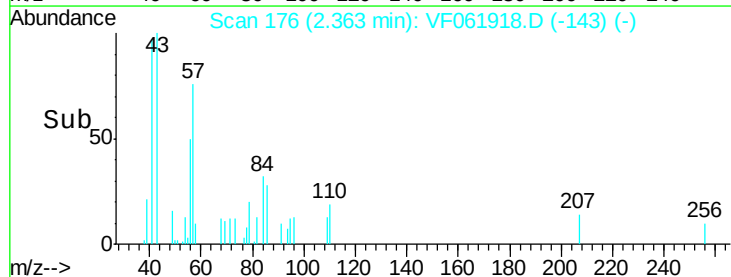
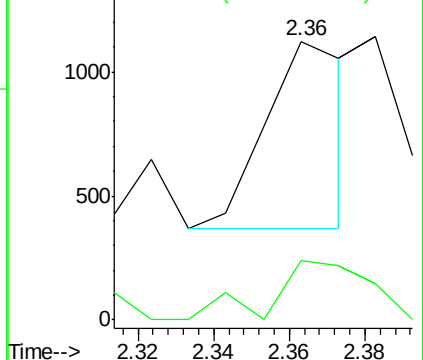
43 100

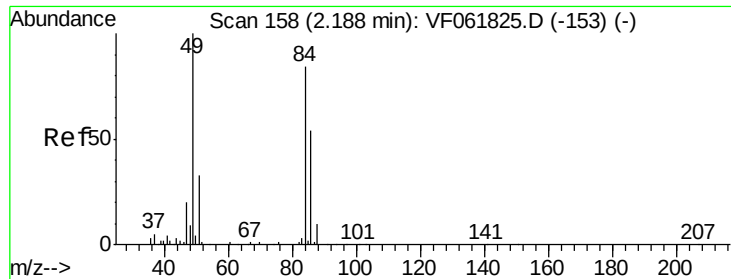
58 21.5 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

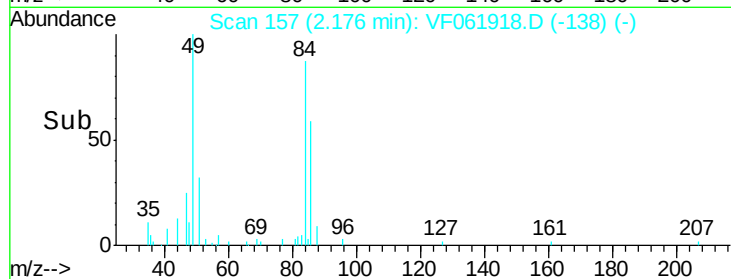
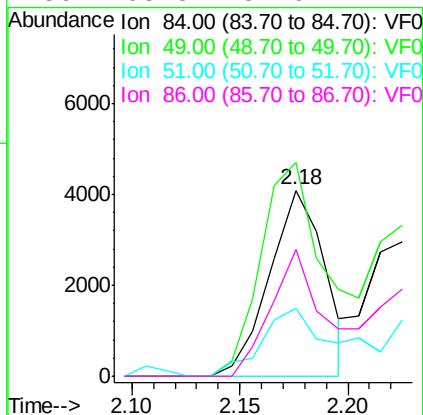
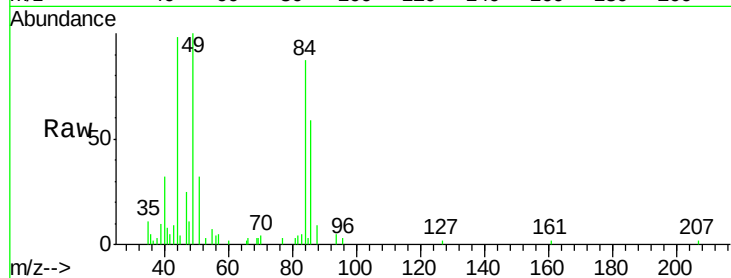




#20
Methylene Chloride
Concen: Below Cal
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061918.D
Acq: 12 Mar 2019 21:28

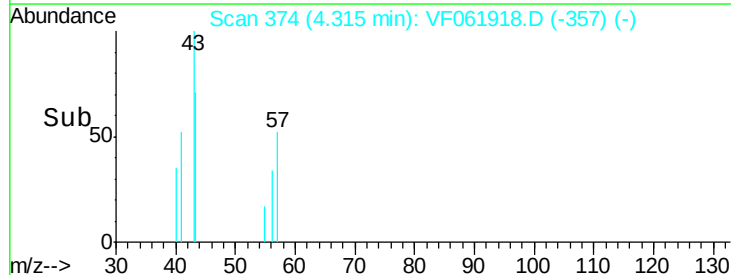
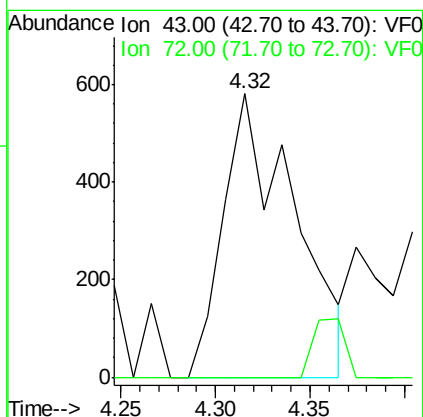
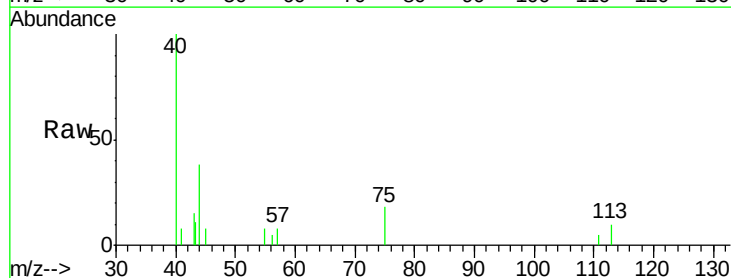
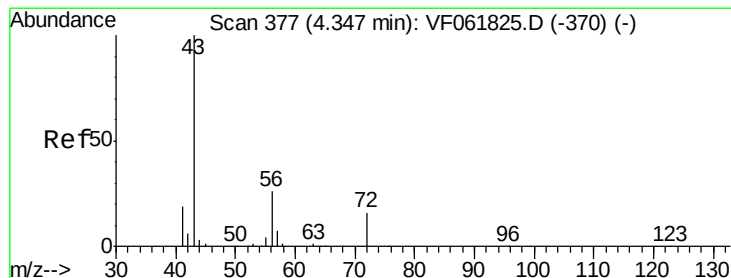
Instrument :
MSVOA_F
ClientSampleId :
MR-MH-12-COMP

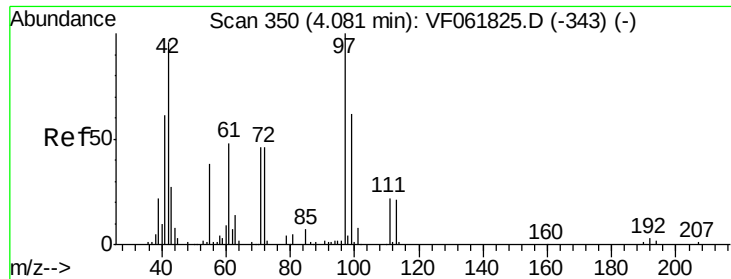
Tot Ion: 84 Resp: 7304
Ion Ratio Lower Upper
84 100
49 114.9 96.8 145.2
51 36.8 31.8 47.6
86 68.3 51.6 77.4



#25
2-Butanone
Concen: 1.636 ug/l
RT: 4.32 min Scan# 374
Delta R.T. -0.03 min
Lab File: VF061918.D
Acq: 12 Mar 2019 21:28

Tgt Ion: 43 Resp: 1510
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#





#29

Tetrahydrofuran

Concen: 3.735 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF061918.D

Acq: 12 Mar 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

MR-MH-12-COMP

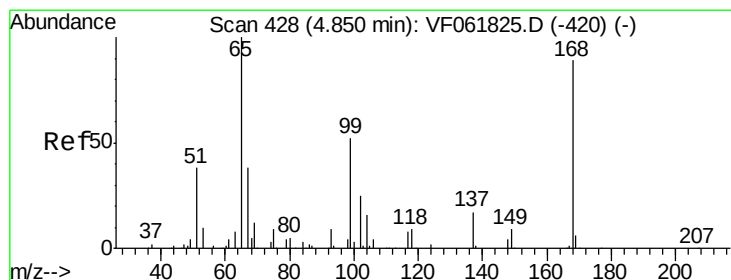
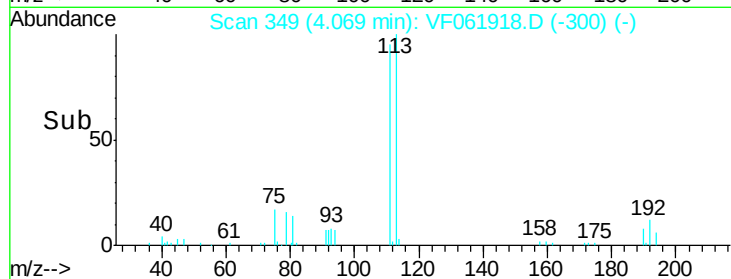
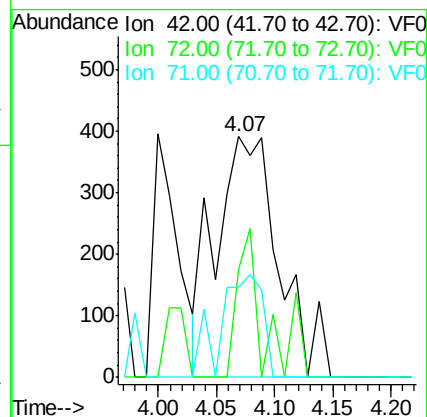
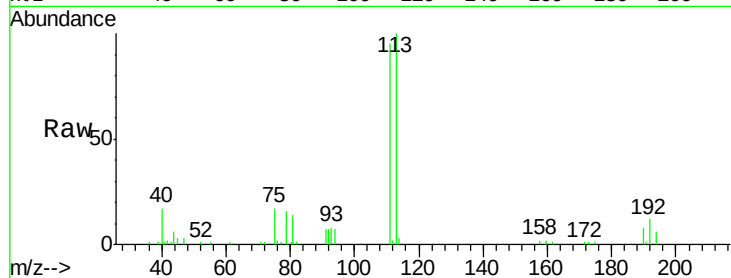
Tot Ion: 42 Resp: 1487

Ion Ratio Lower Upper

42 100

72 20.7 34.4 51.6#

71 28.4 34.6 52.0#



#33

1,2-Dichloroethane-d4

Concen: 60.552 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF061918.D

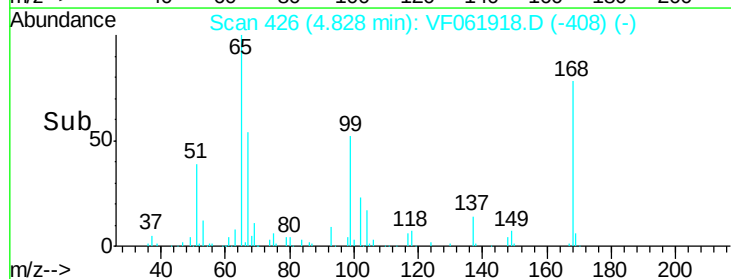
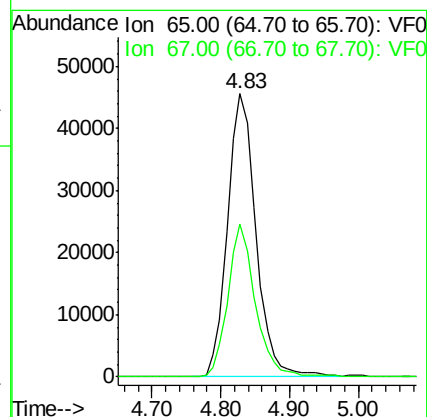
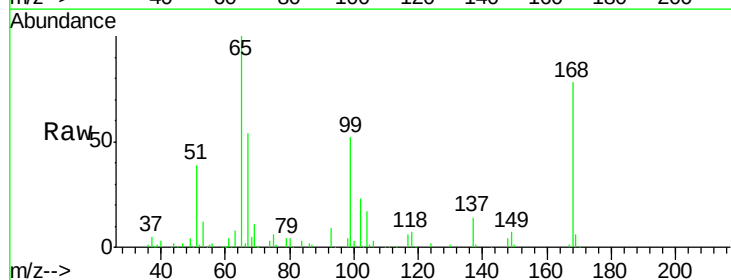
Acq: 12 Mar 2019 21:28

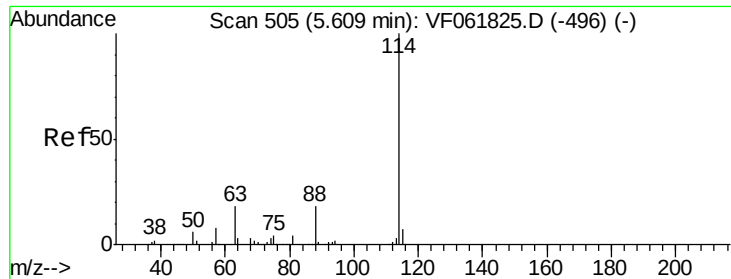
Tgt Ion: 65 Resp: 131177

Ion Ratio Lower Upper

65 100

67 54.1 0.0 108.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.02 min

Lab File: VF061918.D

Acq: 12 Mar 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

MR-MH-12-COMP

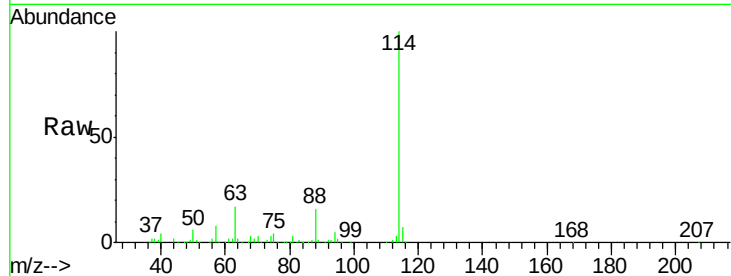
Tot Ion:114 Resp: 402709

Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.6

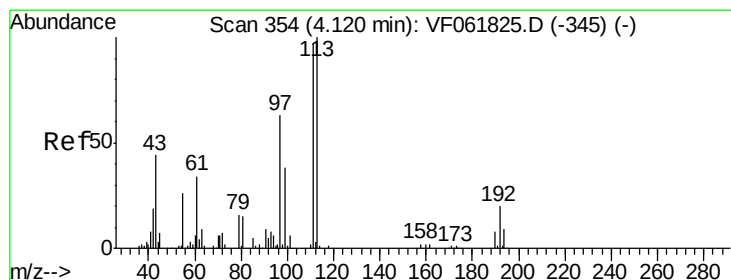
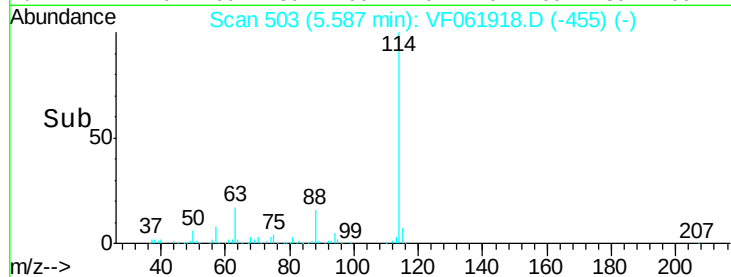
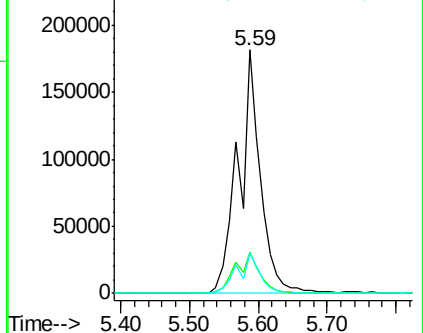
88 16.2 0.0 35.6



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



#35

Dibromofluoromethane

Concen: 66.666 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061918.D

Acq: 12 Mar 2019 21:28

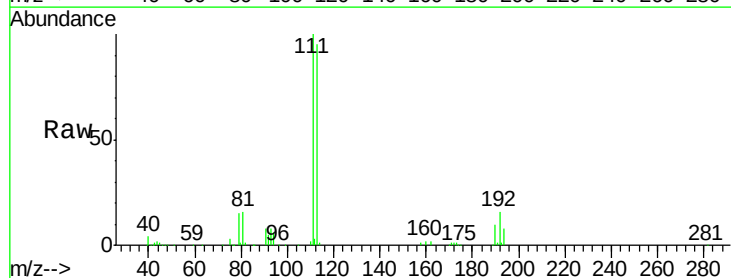
Tgt Ion:113 Resp: 187358

Ion Ratio Lower Upper

113 100

111 105.5 77.6 116.4

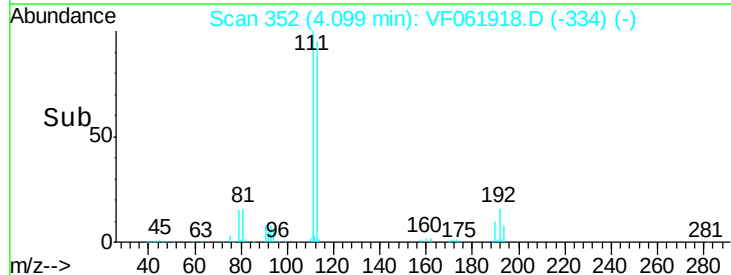
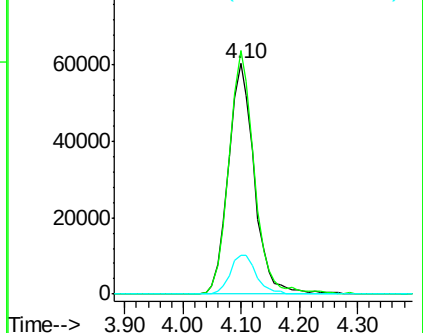
192 17.5 15.9 23.9

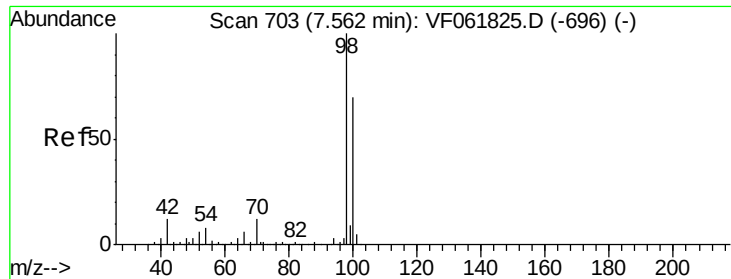


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

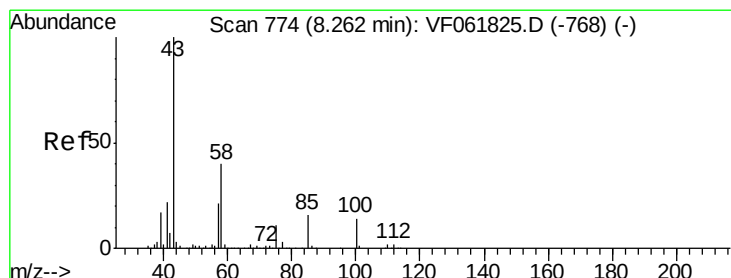
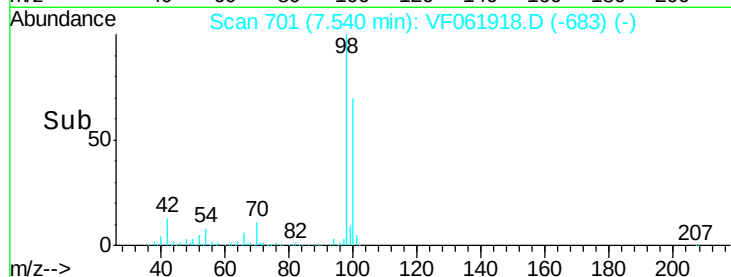
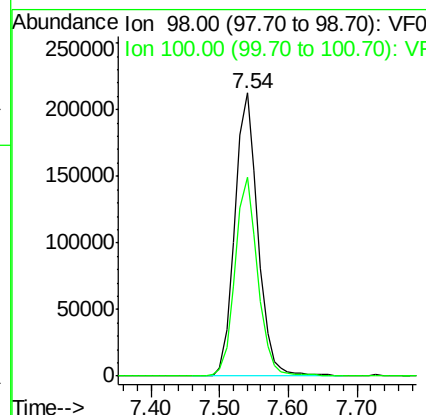
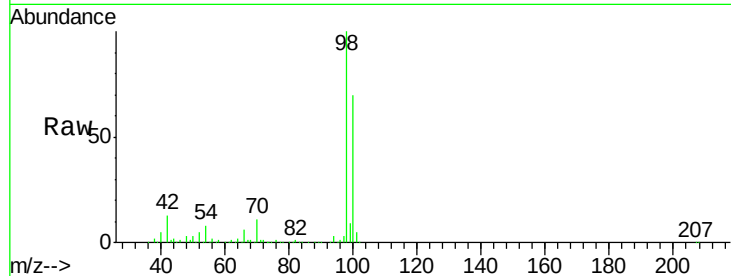




#50
Toluene-d8
Concen: 59.078 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061918.D
Acq: 12 Mar 2019 21:28

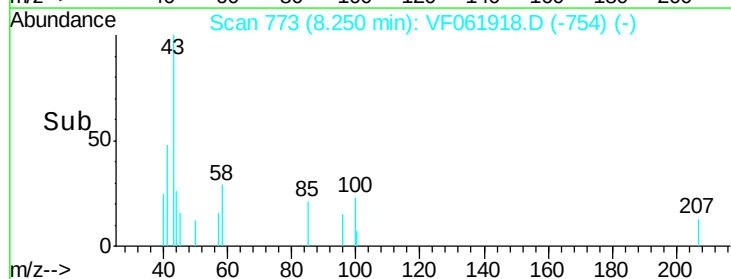
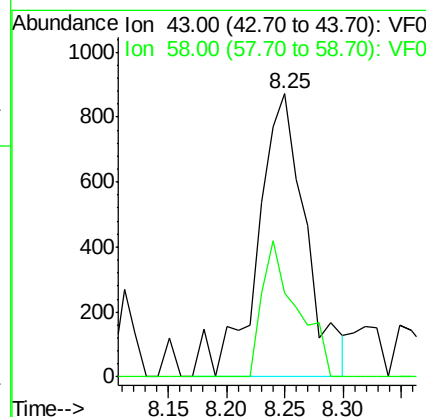
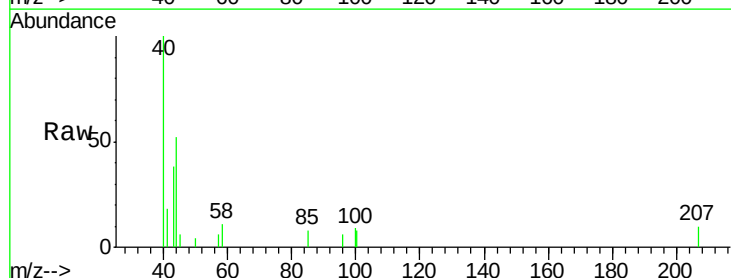
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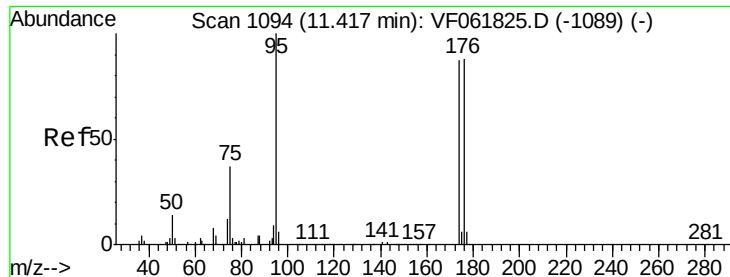
Tot Ion: 98 Resp: 493500
Ion Ratio Lower Upper
98 100
100 70.2 56.0 84.0



#51
4-Methyl-2-Pentanone
Concen: 1.858 ug/l
RT: 8.25 min Scan# 773
Delta R.T. -0.01 min
Lab File: VF061918.D
Acq: 12 Mar 2019 21:28

Tgt Ion: 43 Resp: 2528
Ion Ratio Lower Upper
43 100
58 29.4 31.8 47.8#

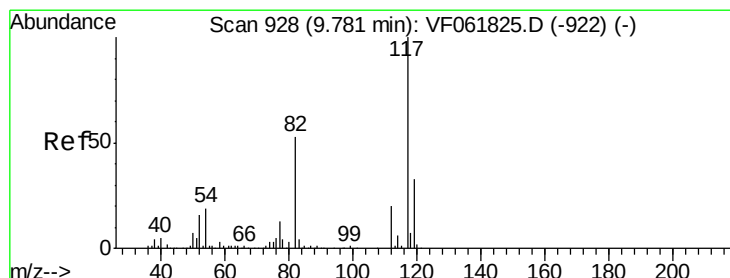
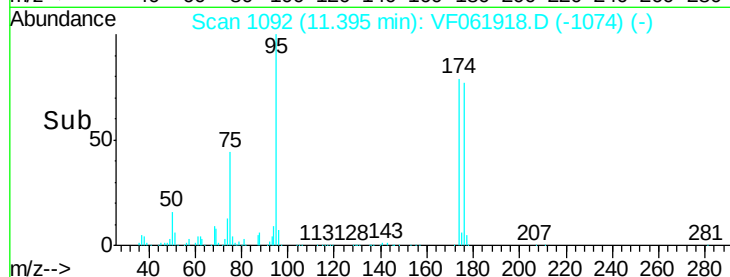
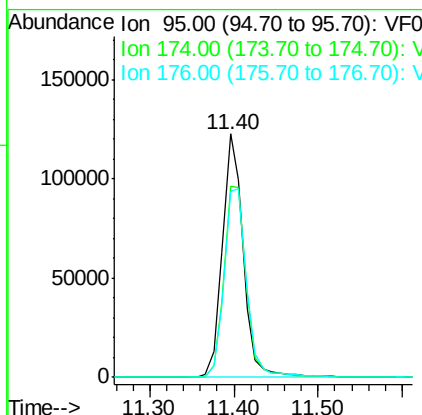
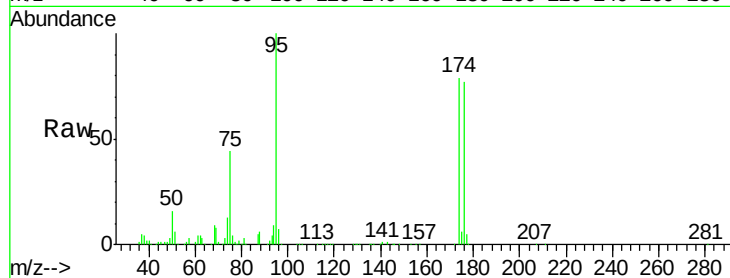




#62
4-Bromofluorobenzene
Concen: 64.551 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF061918.D
Acq: 12 Mar 2019 21:28

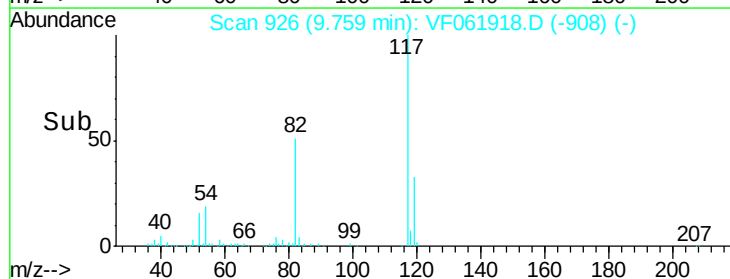
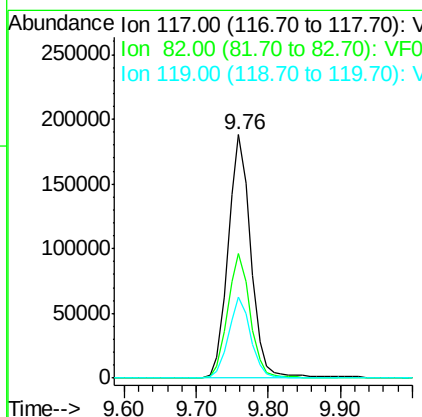
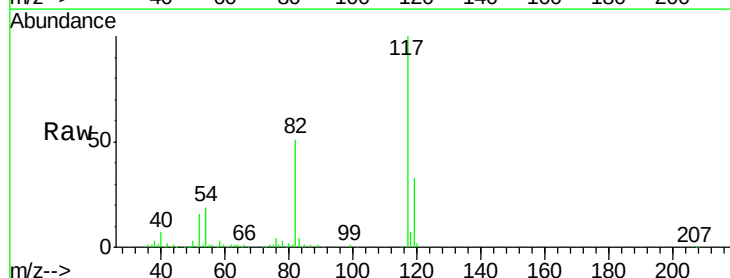
Instrument :
MSVOA_F
ClientSampleId :
MR-MH-12-COMP

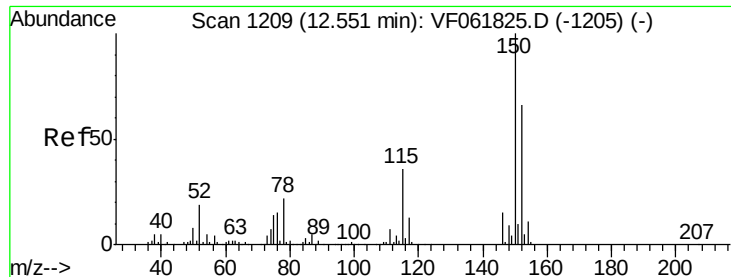
Tot Ion: 95 Resp: 211224
Ion Ratio Lower Upper
95 100
174 78.7 0.0 174.0
176 76.5 0.0 175.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061918.D
Acq: 12 Mar 2019 21:28

Tgt Ion: 117 Resp: 414081
Ion Ratio Lower Upper
117 100
82 51.0 42.6 63.8
119 33.3 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061918.D

Acq: 12 Mar 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

MR-MH-12-COMP

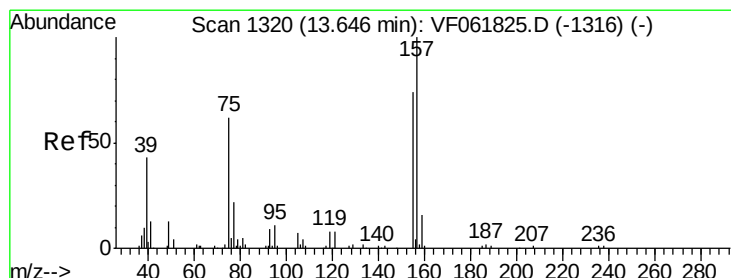
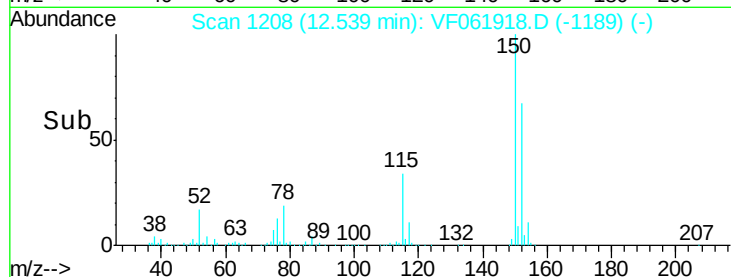
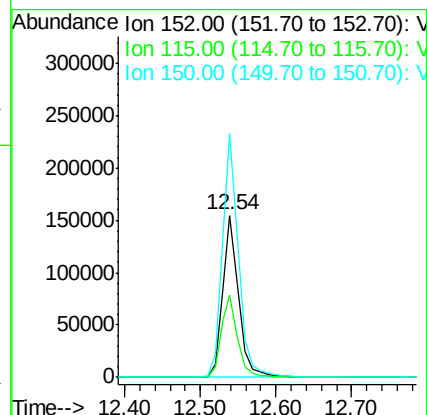
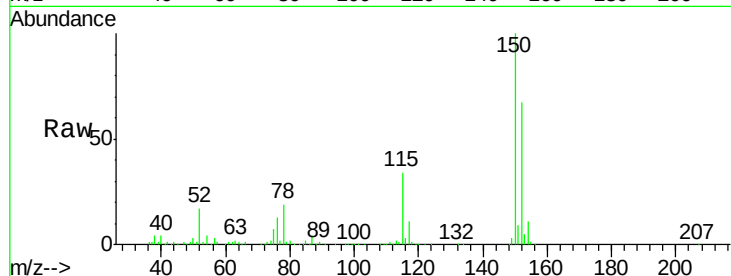
Tot Ion:152 Resp: 230310

Ion Ratio Lower Upper

152 100

115 50.4 27.7 83.1

150 150.2 0.0 304.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.895 ug/l

RT: 13.48 min Scan# 1303

Delta R.T. -0.17 min

Lab File: VF061918.D

Acq: 12 Mar 2019 21:28

Tgt Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 0.0 81.2 243.4#

