

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031219\
 Data File : VF061922.D
 Acq On : 12 Mar 2019 23:23
 Operator : VA/AP
 Sample : K1866-05
 Misc : 6.90q/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MR-MH-02-COMP

Quant Time: Mar 13 02:10:48 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	281242	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	432561	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	377740	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	205318	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	137321	67.05	ug/l	-0.02
Spiked Amount				50.000		
Recovery						134.10%
35) Dibromofluoromethane	4.10	113	169226	56.06	ug/l	-0.02
Spiked Amount				50.000		
Recovery						112.12%
50) Toluene-d8	7.53	98	434601	48.44	ug/l	-0.03
Spiked Amount				50.000		
Recovery						96.88%
62) 4-Bromofluorobenzene	11.40	95	194961	55.47	ug/l	-0.02
Spiked Amount				50.000		
Recovery						110.94%

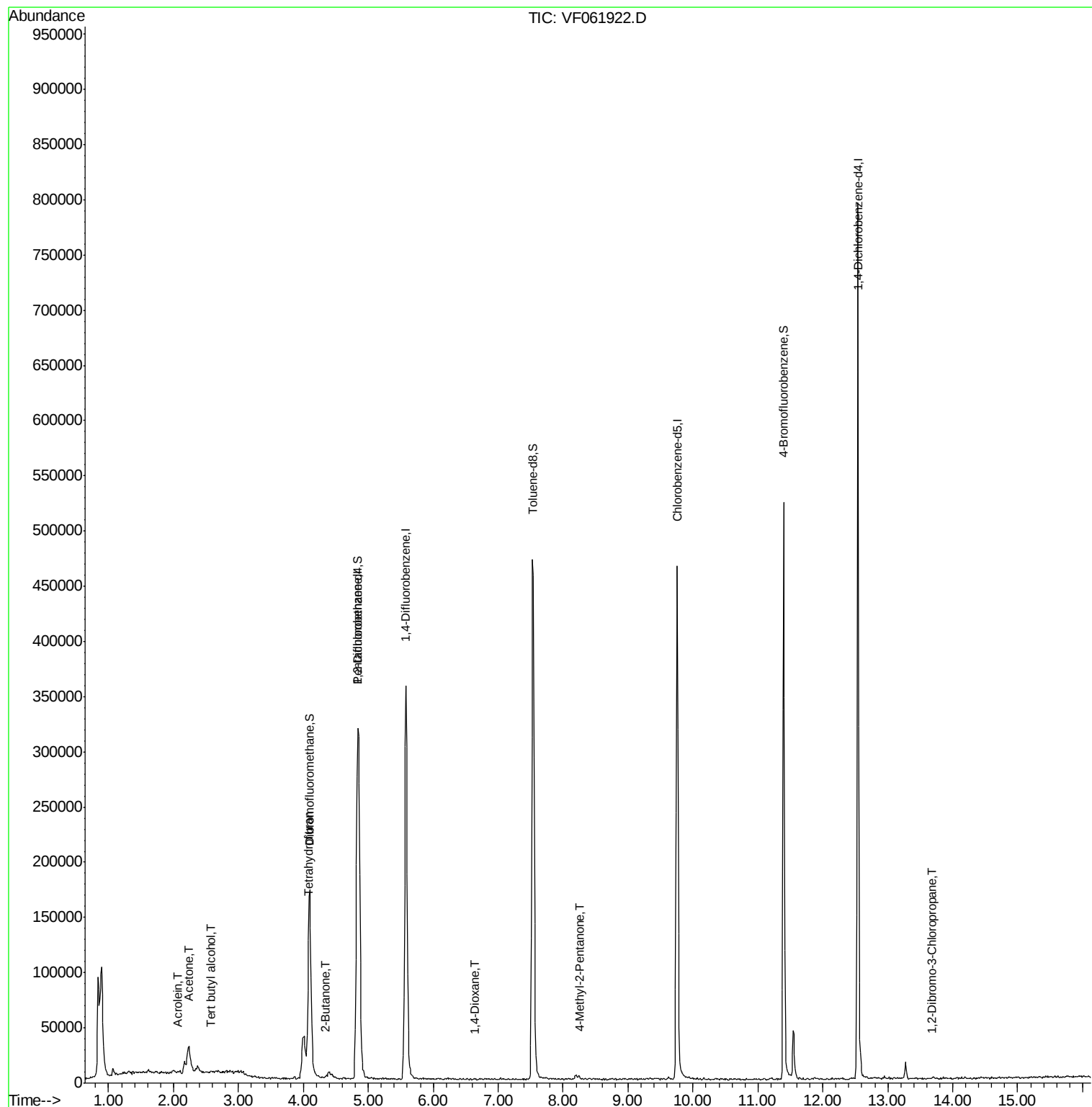
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	255	2.194	ug/l #	1
13) Acrolein	2.08	56	551	3.741	ug/l	91
16) Acetone	2.23	43	16631	38.765	ug/l	96
18) Methyl Acetate	2.37	43	4424	Below Cal	#	76
20) Methylene Chloride	2.18	84	4968	Below Cal		91
25) 2-Butanone	4.33	43	1900	2.177	ug/l	93
29) Tetrahydrofuran	4.07	42	1499	3.983	ug/l #	80
49) 1,4-Dioxane	6.63	88	91	7.440	ug/l #	26
51) 4-Methyl-2-Pentanone	8.24	43	2472	1.692	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.67	75	87	3.965	ug/l #	1

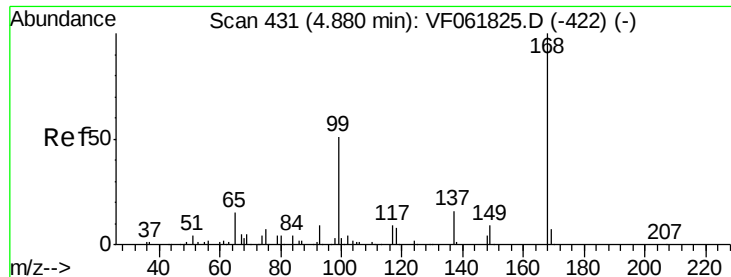
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031219\
Data File : VF061922.D
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Quant Time: Mar 13 02:10:48 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: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061922.D

Acq: 12 Mar 2019 23:23

Instrument :

MSVOA_F

ClientSampleId :

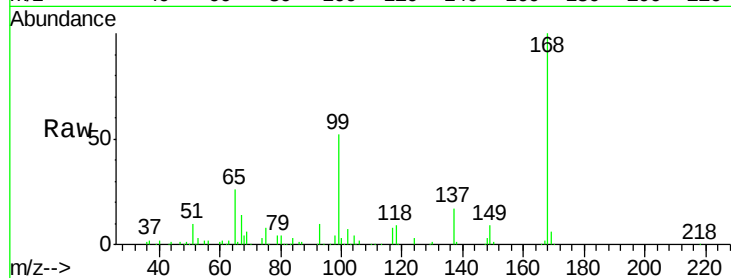
MR-MH-02-COMP

Tot Ion:168 Resp: 281242

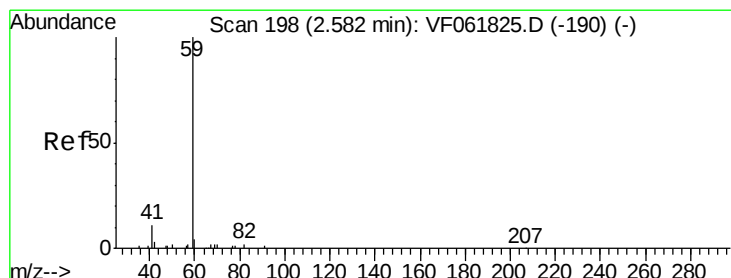
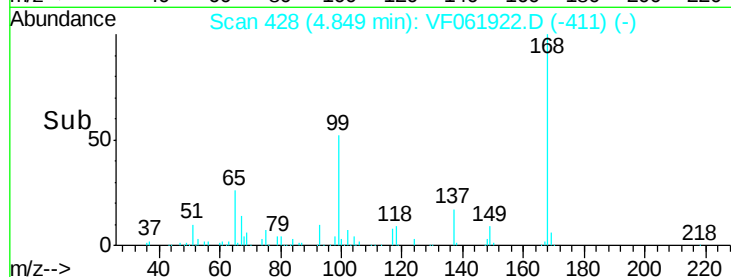
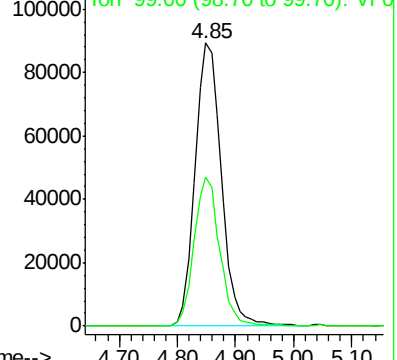
Ion Ratio Lower Upper

168 100

99 52.5 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: 2.194 ug/l

RT: 2.57 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF061922.D

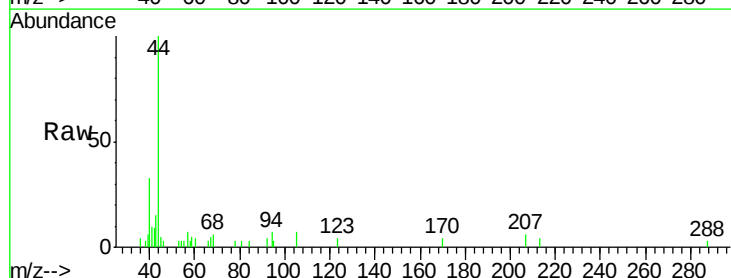
Acq: 12 Mar 2019 23:23

Tgt Ion: 59 Resp: 255

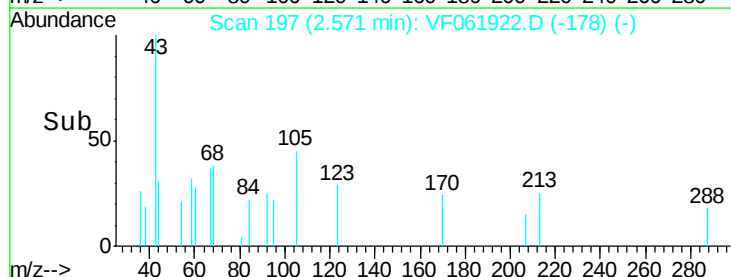
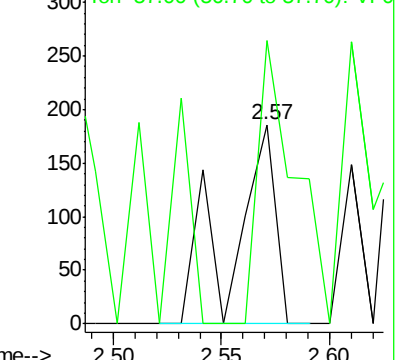
Ion Ratio Lower Upper

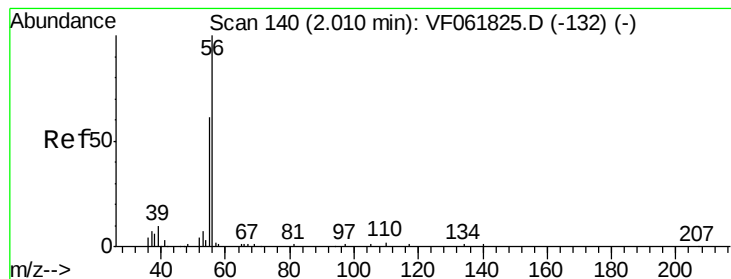
59 100

57 141.9 11.8 17.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0





#13

Acrolein

Concen: 3.741 ug/l

RT: 2.08 min Scan# 147

Delta R.T. 0.07 min

Lab File: VF061922.D

Acq: 12 Mar 2019 23:23

Instrument :

MSVOA_F

ClientSampleId :

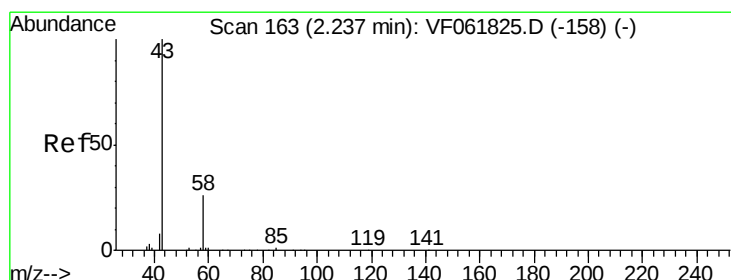
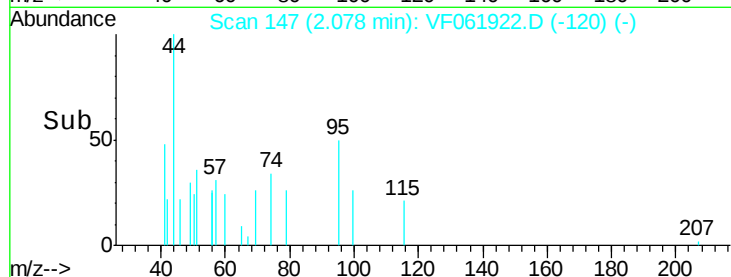
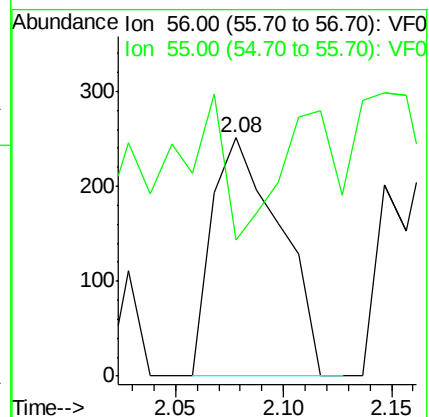
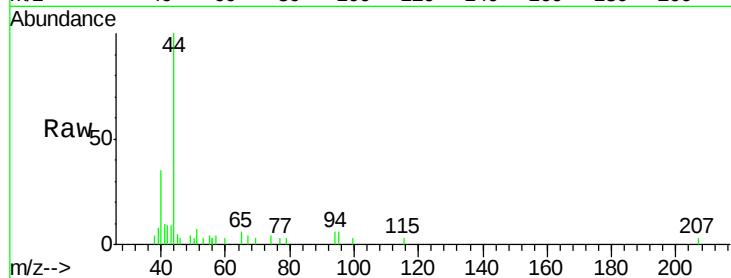
MR-MH-02-COMP

Tot Ion: 56 Resp: 551

Ion Ratio Lower Upper

56 100

55 57.0 51.3 76.9



#16

Acetone

Concen: 38.765 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061922.D

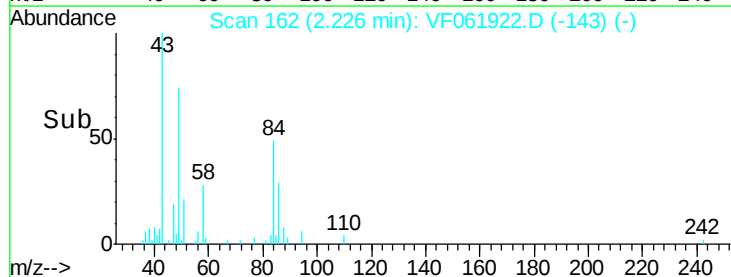
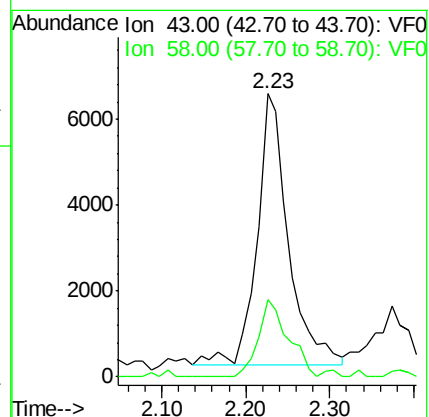
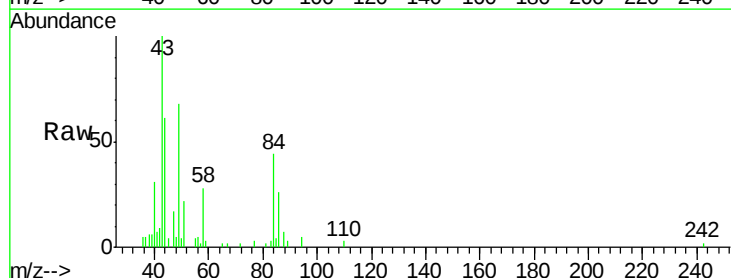
Acq: 12 Mar 2019 23:23

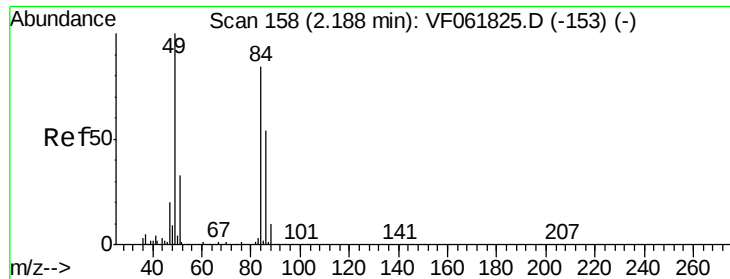
Tgt Ion: 43 Resp: 16631

Ion Ratio Lower Upper

43 100

58 27.5 20.3 30.5



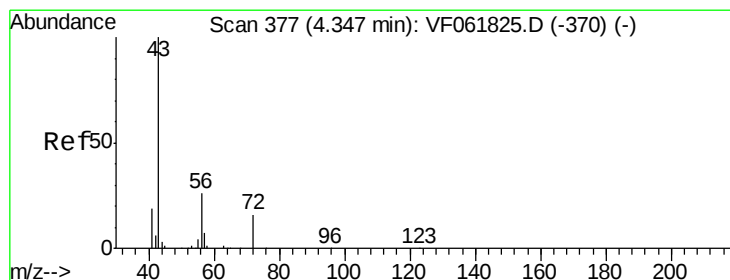
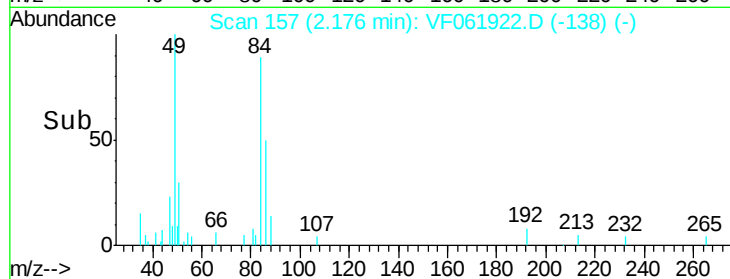
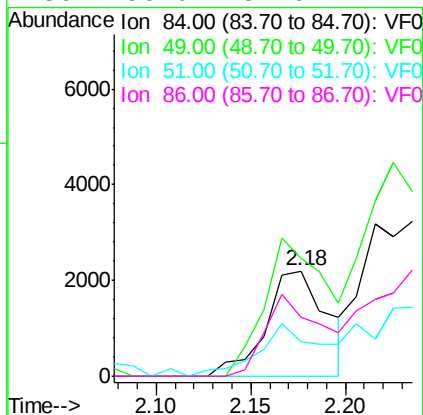
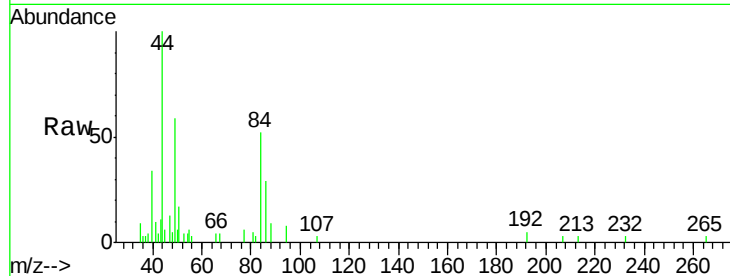


#20

Methvlene Chloride
 Concen: Below Cal
 RT: 2.18 min Scan# 157
 Delta R.T. -0.01 min
 Lab File: VF061922.D
 Acq: 12 Mar 2019 23:23

Instrument :
 MSVOA_F
 ClientSampleId :
 MR-MH-02-COMP

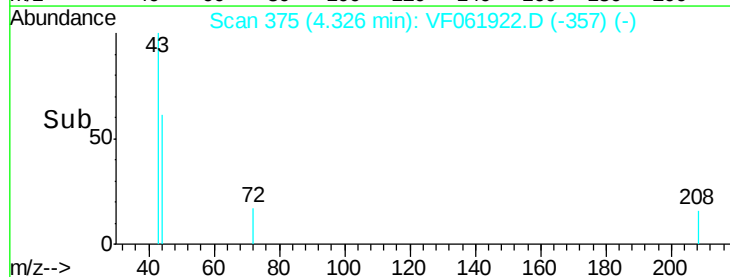
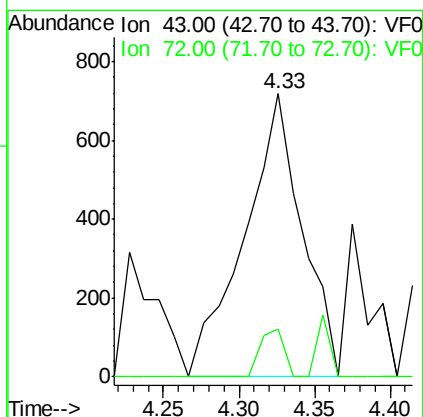
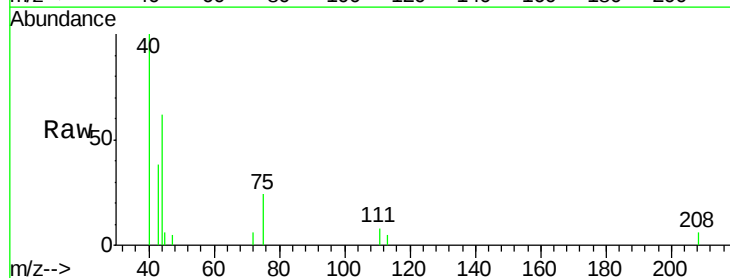
Tot Ion:	84	Resp:	4968
Ion	Ratio	Lower	Upper
84	100		
49	112.4	96.8	145.2
51	33.4	31.8	47.6
86	56.0	51.6	77.4

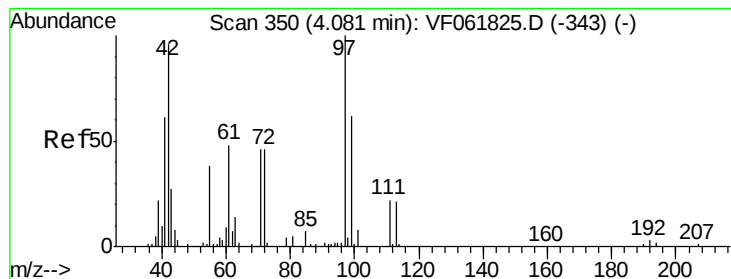


#25

2-Butanone
 Concen: 2.177 ug/l
 RT: 4.33 min Scan# 375
 Delta R.T. -0.02 min
 Lab File: VF061922.D
 Acq: 12 Mar 2019 23:23

Tgt Ion:	43	Resp:	1900
Ion	Ratio	Lower	Upper
43	100		
72	16.9	16.2	24.4





#29

Tetrahydrofuran

Concen: 3.983 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.01 min

Lab File: VF061922.D

Acq: 12 Mar 2019 23:23

Instrument :

MSVOA_F

ClientSampleId :

MR-MH-02-COMP

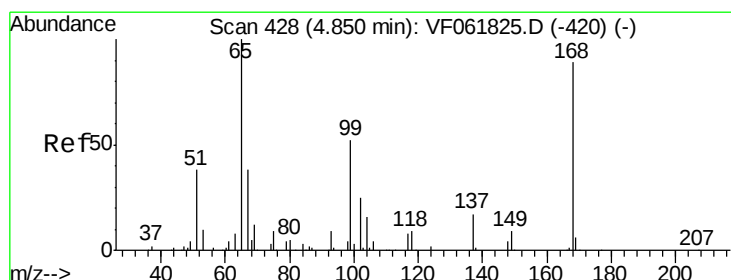
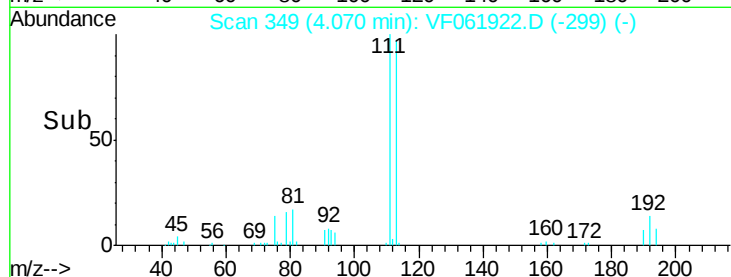
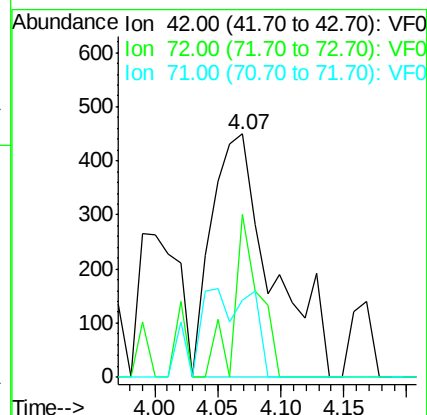
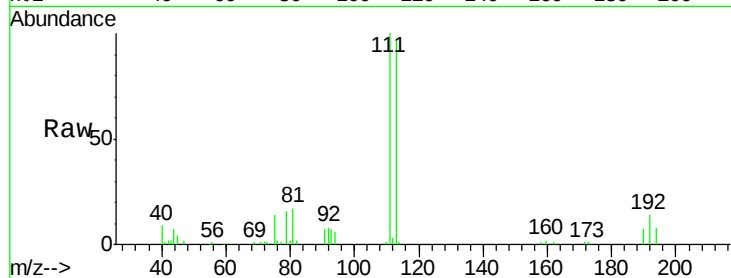
Tot Ion: 42 Resp: 1499

Ion Ratio Lower Upper

42 100

72 27.7 34.4 51.6#

71 32.7 34.6 52.0#



#33

1,2-Dichloroethane-d4

Concen: 67.047 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF061922.D

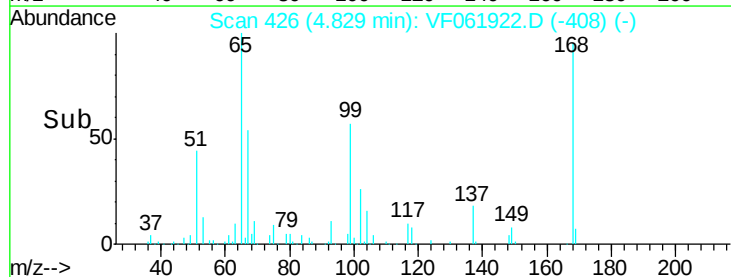
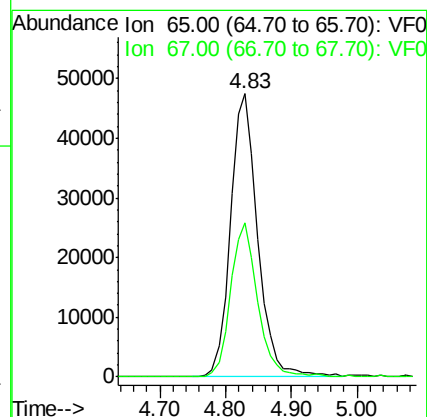
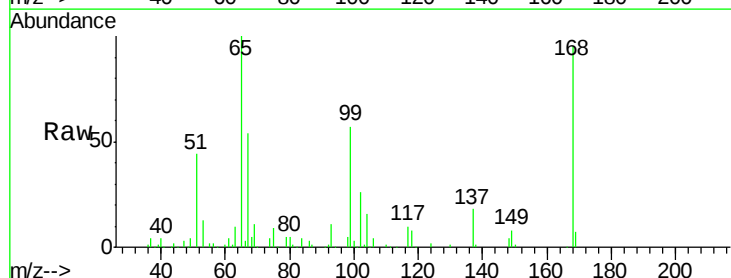
Acq: 12 Mar 2019 23:23

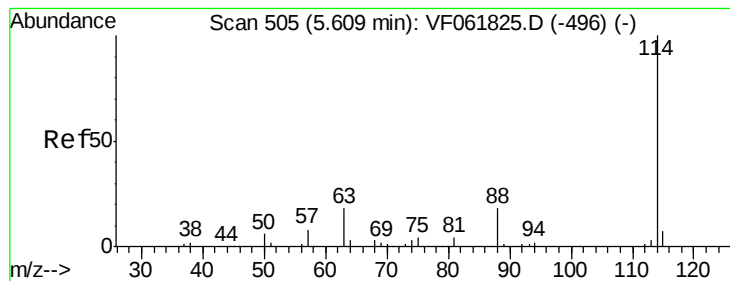
Tgt Ion: 65 Resp: 137321

Ion Ratio Lower Upper

65 100

67 54.5 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: VF061922.D

Acq: 12 Mar 2019 23:23

Instrument :

MSVOA_F

ClientSampleId :

MR-MH-02-COMP

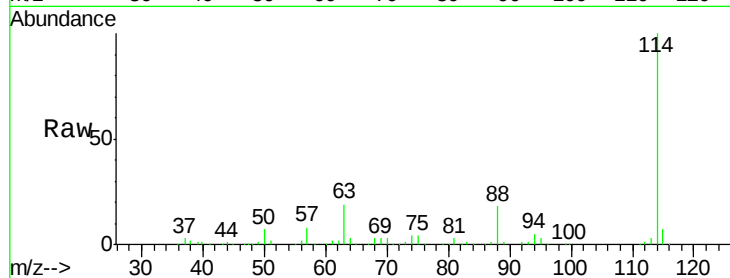
Tot Ion:114 Resp: 432561

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.6

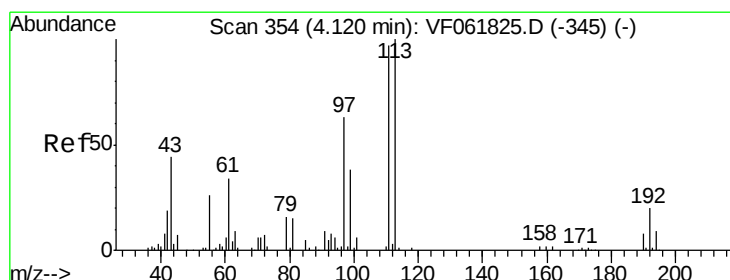
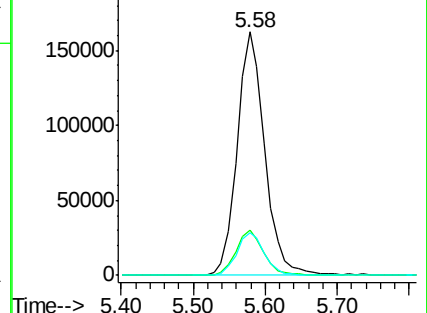
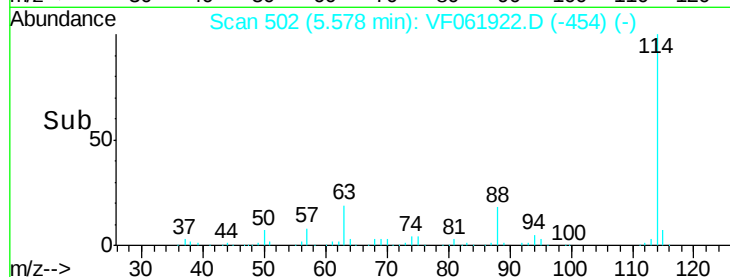
88 17.6 0.0 35.6



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: 56.059 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061922.D

Acq: 12 Mar 2019 23:23

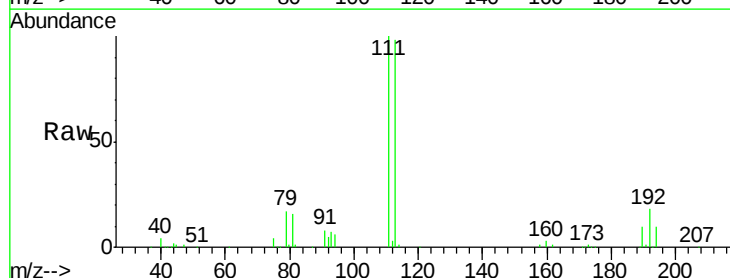
Tgt Ion:113 Resp: 169226

Ion Ratio Lower Upper

113 100

111 102.0 77.6 116.4

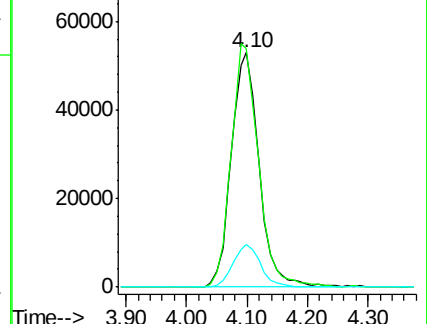
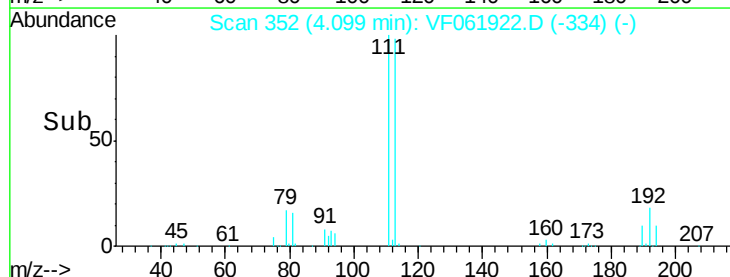
192 18.4 15.9 23.9

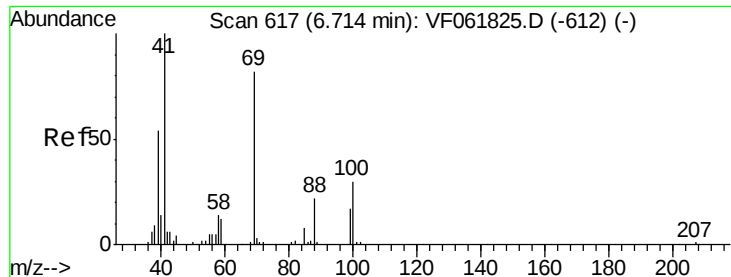


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 7.440 ug/l

RT: 6.63 min Scan# 609

Delta R.T. -0.08 min

Lab File: VF061922.D

Acq: 12 Mar 2019 23:23

Instrument :

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MR-MH-02-COMP

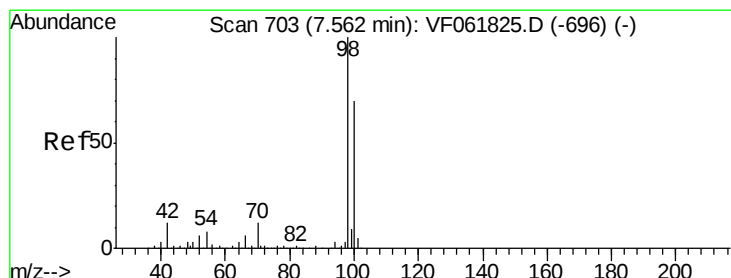
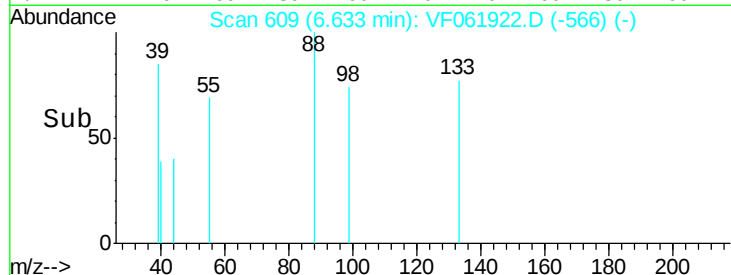
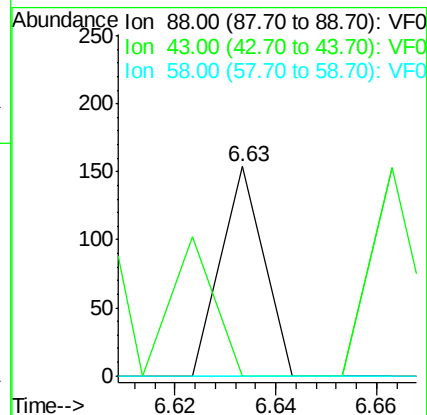
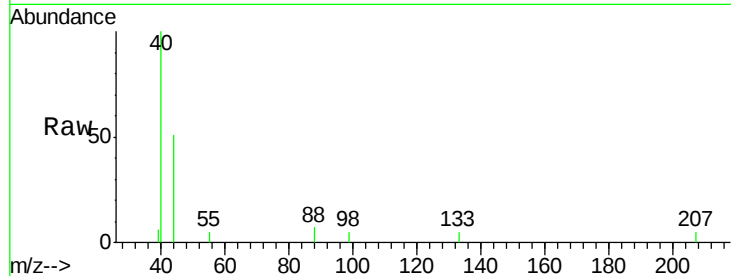
Tot Ion: 88 Resp: 91

Ion Ratio Lower Upper

88 100

43 0.0 28.4 42.6#

58 0.0 50.7 76.1#



#50

Toluene-d8

Concen: 48.437 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061922.D

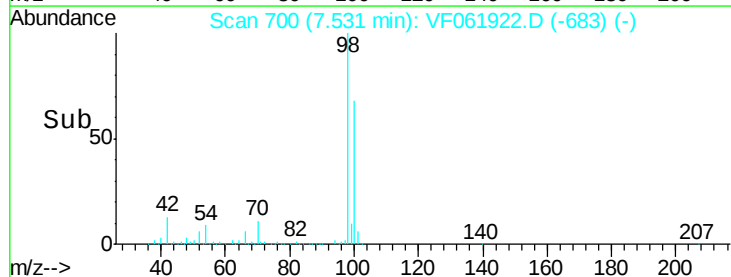
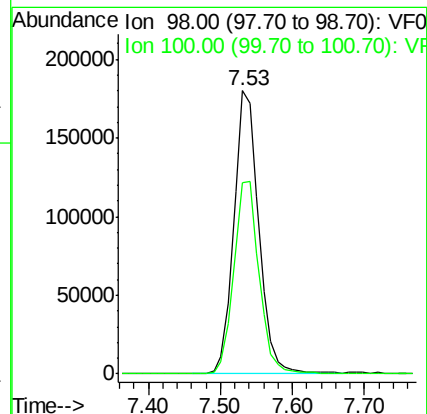
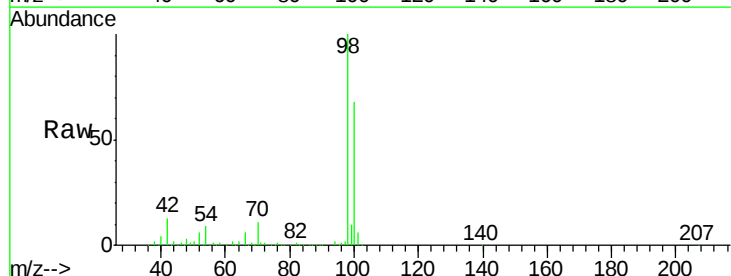
Acq: 12 Mar 2019 23:23

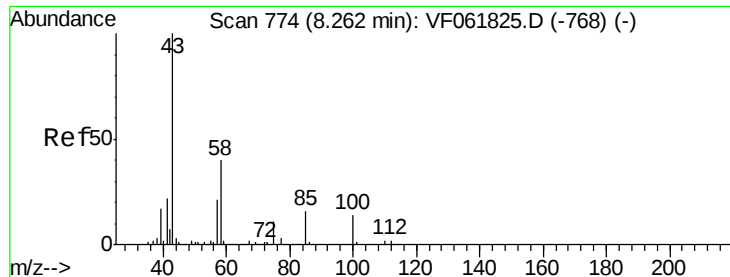
Tgt Ion: 98 Resp: 434601

Ion Ratio Lower Upper

98 100

100 67.5 56.0 84.0





#51

4-Methyl-2-Pentanone

Concen: 1.692 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.02 min

Lab File: VF061922.D

Acq: 12 Mar 2019 23:23

Instrument :

MSVOA_F

ClientSampleId :

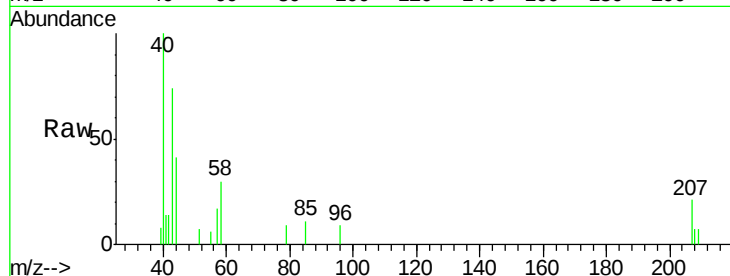
MR-MH-02-COMP

Tot Ion: 43 Resp: 2472

Ion Ratio Lower Upper

43 100

58 40.3 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

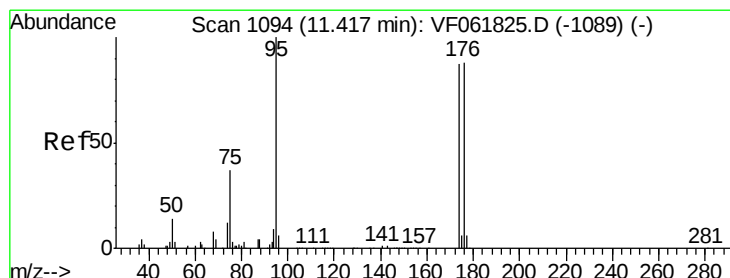
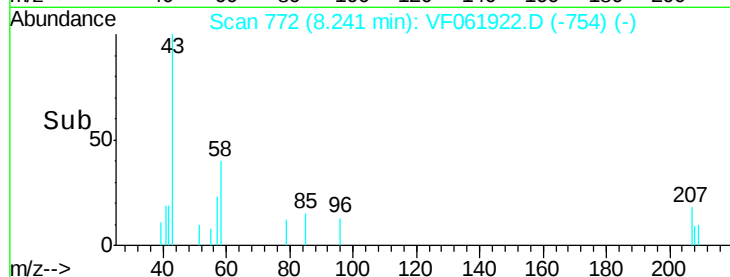
8.24

1000

500

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.469 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061922.D

Acq: 12 Mar 2019 23:23

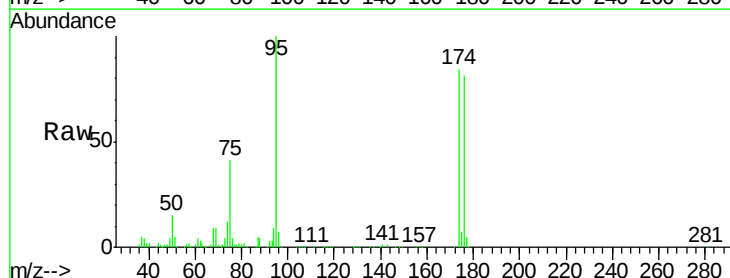
Tgt Ion: 95 Resp: 194961

Ion Ratio Lower Upper

95 100

174 83.6 0.0 174.0

176 80.9 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

11.40

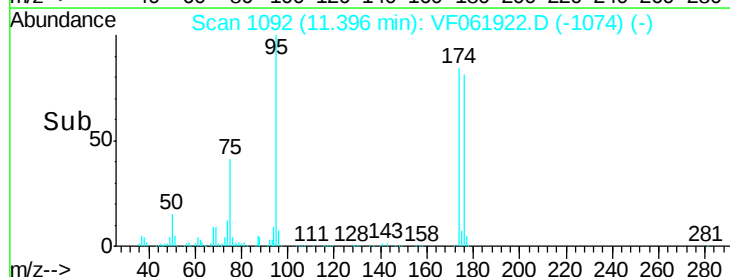
150000

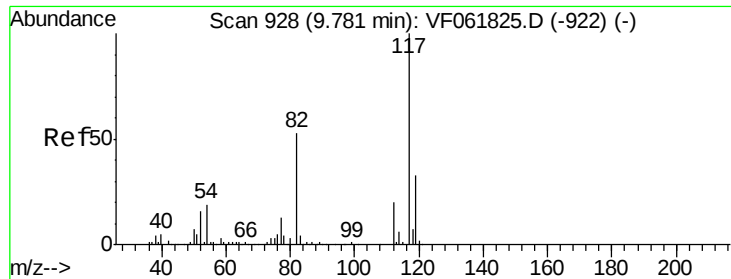
100000

50000

0

Time-->

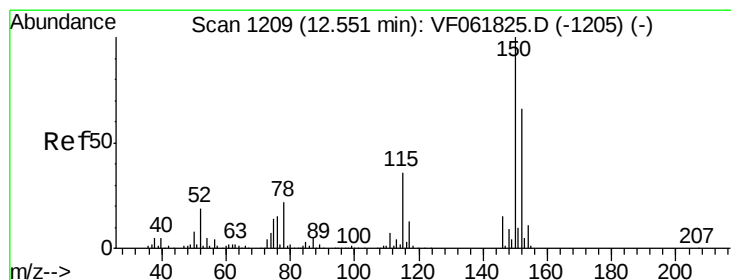
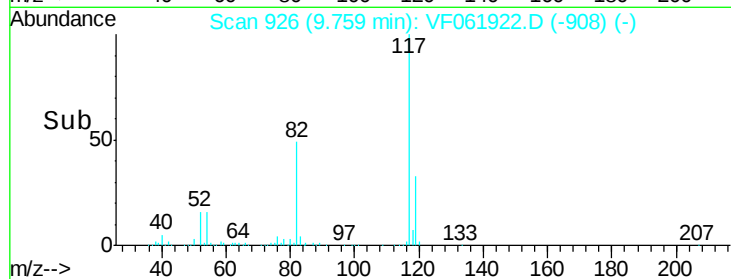
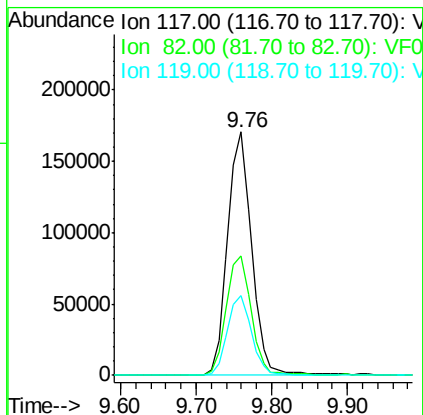
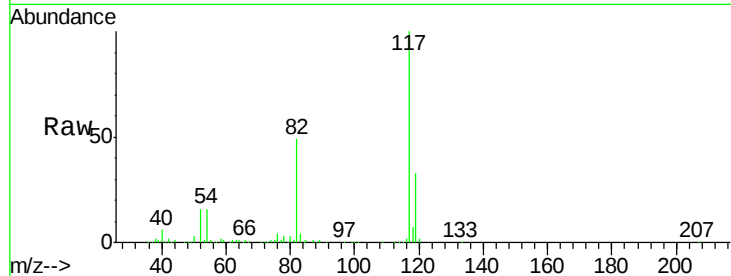




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061922.D
Acq: 12 Mar 2019 23:23

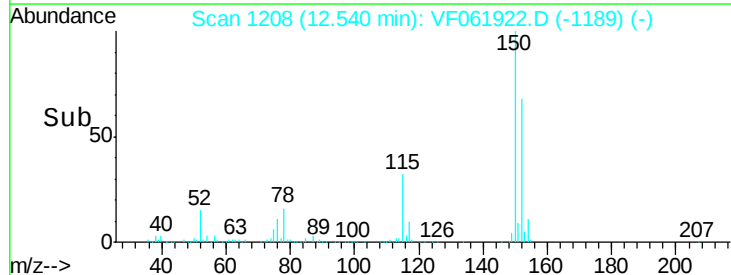
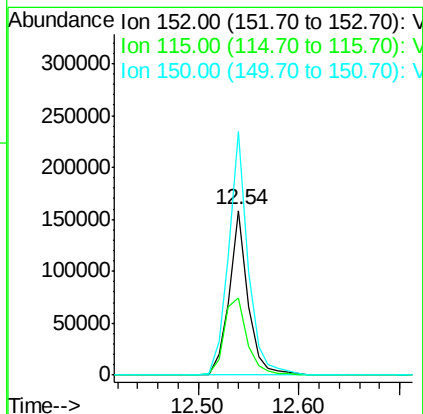
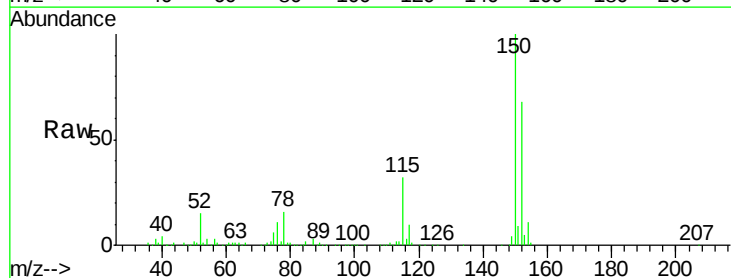
Instrument :
MSVOA_F
ClientSampleId :
MR-MH-02-COMP

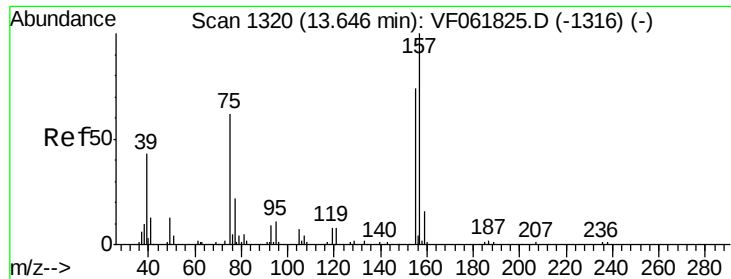
Tot Ion:117 Resp: 377740
Ion Ratio Lower Upper
117 100
82 49.2 42.6 63.8
119 32.9 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061922.D
Acq: 12 Mar 2019 23:23

Tgt Ion:152 Resp: 205318
Ion Ratio Lower Upper
152 100
115 46.8 27.7 83.1
150 148.1 0.0 304.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.965 ug/l

RT: 13.67 min Scan# 1323

Delta R.T. 0.03 min

Lab File: VF061922.D

Acq: 12 Mar 2019 23:23

Instrument :

MSVOA_F

ClientSampleId :

MR-MH-02-COMP

Tot Ion: 75 Resp: 87

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 0.0 81.2 243.4#

