

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030519\
 Data File : VF061853.D
 Acq On : 5 Mar 2019 19:00
 Operator : VA/AP
 Sample : K1707-01
 Misc : 5.15u/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S10

Quant Time: Mar 06 05:45:38 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	218767	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	302565	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	145627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	31236	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	65315	41.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.00%	
35) Dibromofluoromethane	4.12	113	103129	48.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.68%	
50) Toluene-d8	7.56	98	192762	30.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	61.42%	
62) 4-Bromofluorobenzene	11.41	95	35057	14.26	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	28.52%	

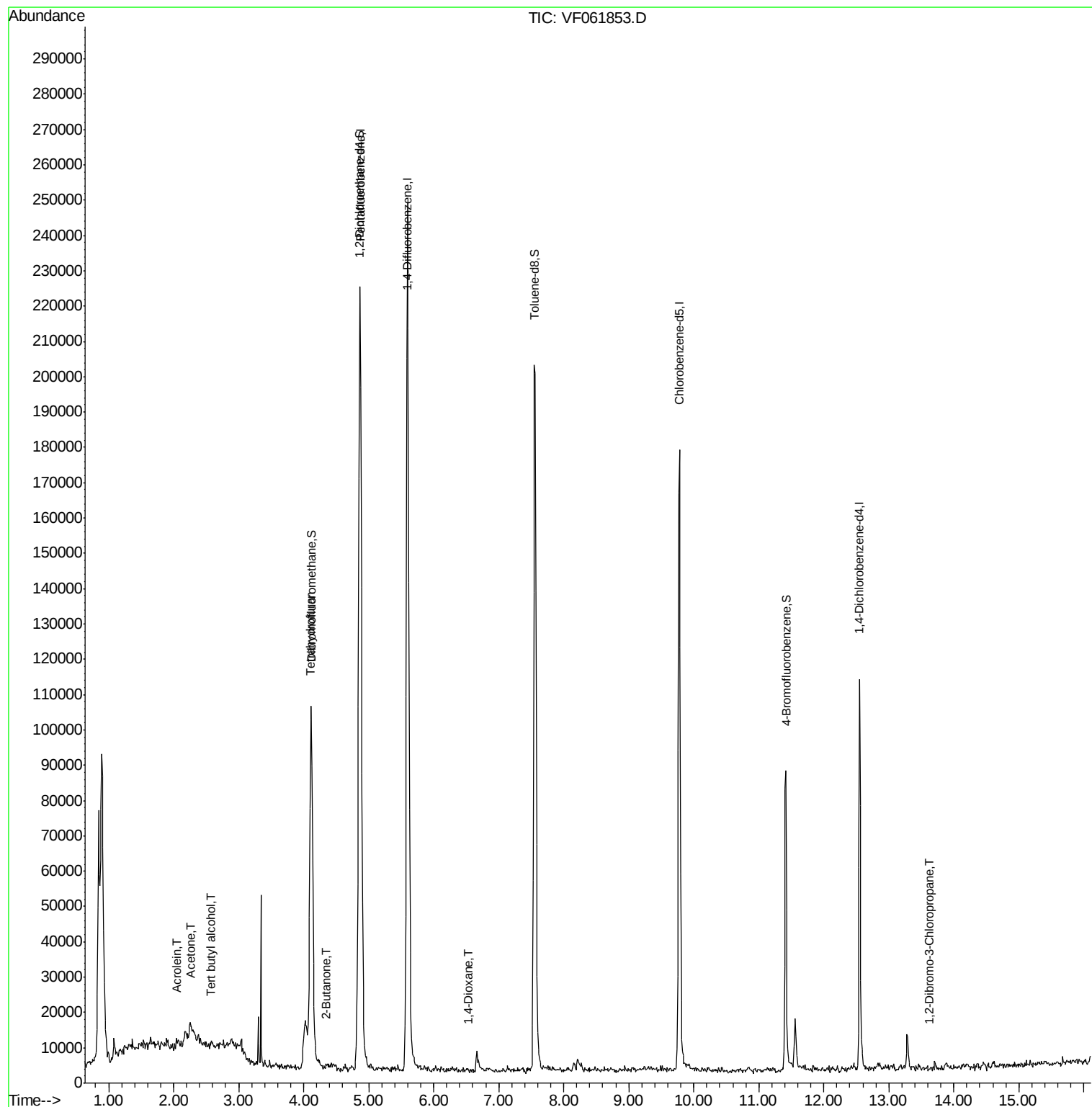
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.59	59	259	2.864	ug/l #	1
13) Acrolein	2.04	56	214	1.868	ug/l	97
16) Acetone	2.25	43	2769	8.297	ug/l	96
18) Methyl Acetate	2.33	43	2149	Below Cal	#	62
20) Methylene Chloride	2.19	84	2456	Below Cal		92
25) 2-Butanone	4.35	43	898	1.323	ug/l #	56
29) Tetrahydrofuran	4.10	42	1595	5.448	ug/l #	36
49) 1,4-Dioxane	6.51	88	60	7.013	ug/l #	26
92) 1,2-Dibromo-3-Chloropropan	13.62	75	63	4.706	ug/l #	1

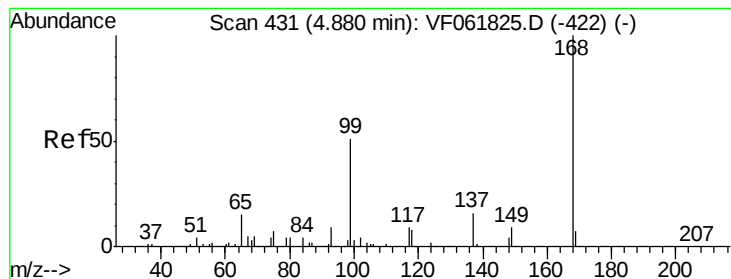
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030519\
Data File : VF061853.D
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Misc : 5.15a/5mL/MSVOA-F/SOIL
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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: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061853.D

Acq: 5 Mar 2019 19:00

Instrument :

MSVOA_F

ClientSampled :

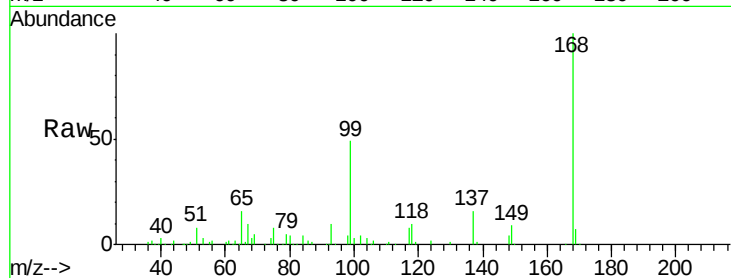
S10

Tot Ion:168 Resp: 218767

Ion Ratio Lower Upper

168 100

99 48.9 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

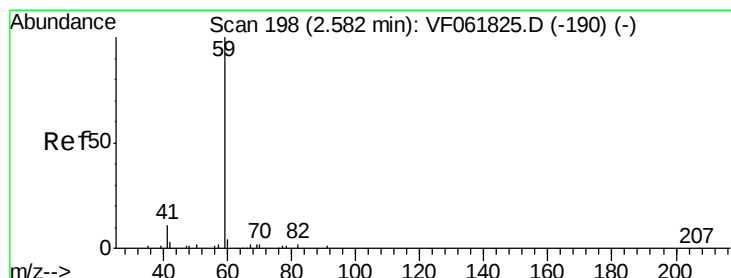
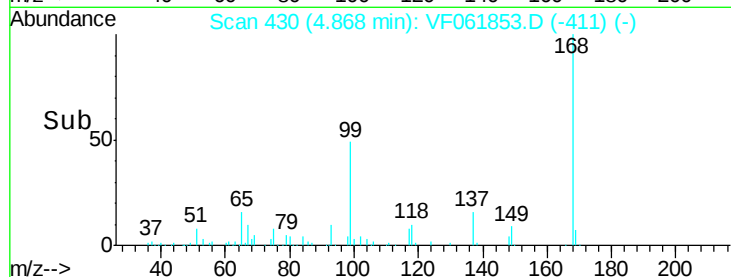
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 2.864 ug/l

RT: 2.59 min Scan# 199

Delta R.T. 0.01 min

Lab File: VF061853.D

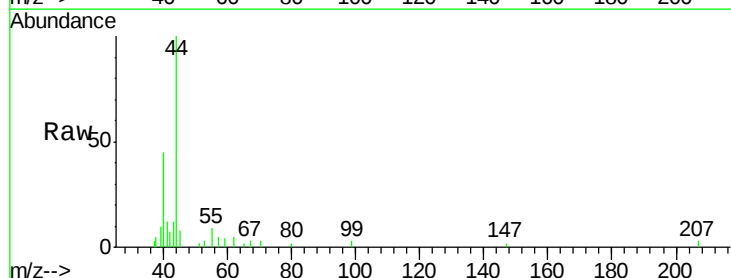
Acq: 5 Mar 2019 19:00

Tgt Ion: 59 Resp: 259

Ion Ratio Lower Upper

59 100

57 134.1 11.8 17.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

250

200

150

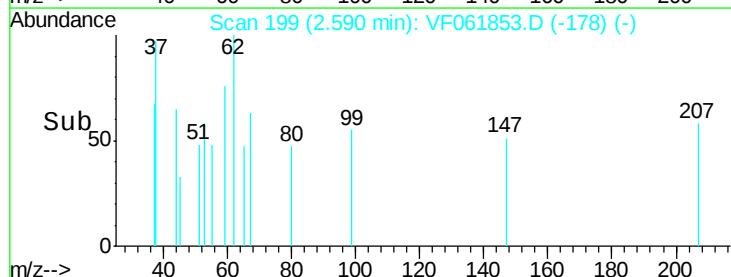
100

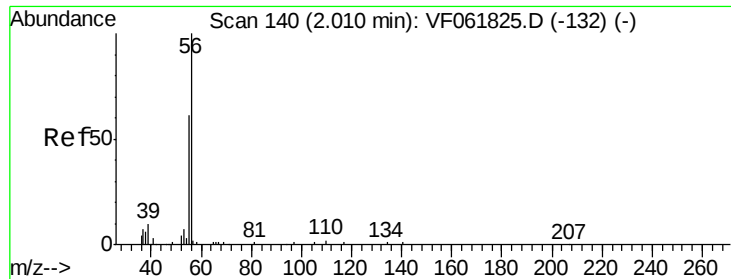
50

0

Time-->

2.55 2.60





#13

Acrolein

Concen: 1.868 ug/l

RT: 2.04 min Scan# 143

Delta R.T. 0.03 min

Lab File: VF061853.D

Acq: 5 Mar 2019 19:00

Instrument :

MSVOA_F

ClientSampleId :

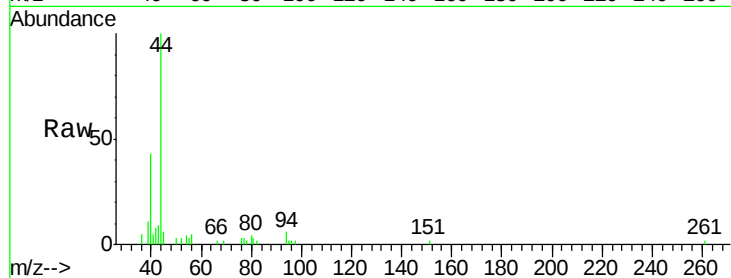
S10

Tot Ion: 56 Resp: 214

Ion Ratio Lower Upper

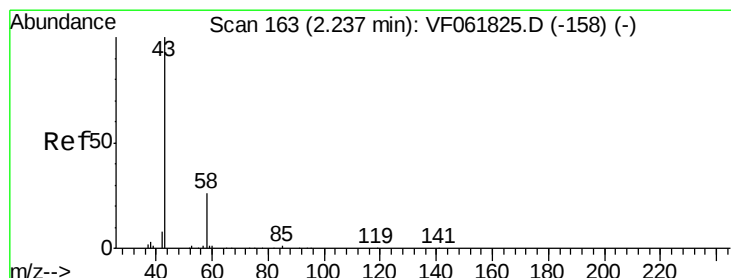
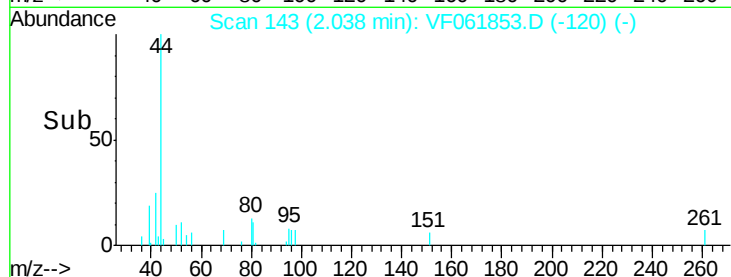
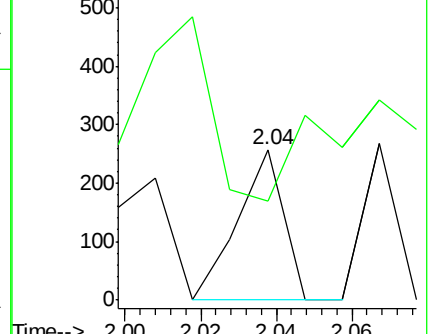
56 100

55 66.1 51.3 76.9



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#16

Acetone

Concen: 8.297 ug/l

RT: 2.25 min Scan# 165

Delta R.T. 0.02 min

Lab File: VF061853.D

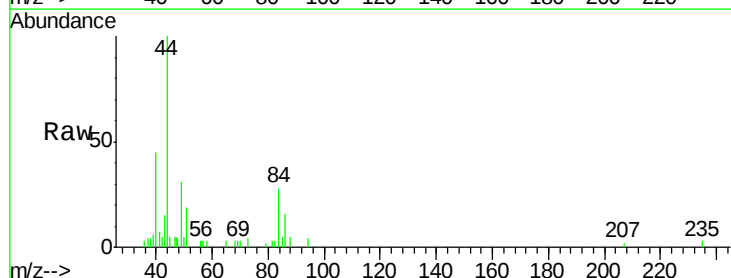
Acq: 5 Mar 2019 19:00

Tgt Ion: 43 Resp: 2769

Ion Ratio Lower Upper

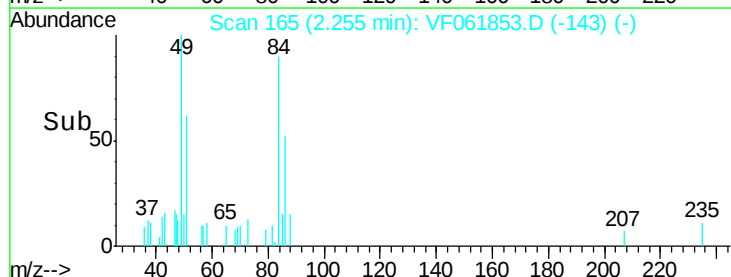
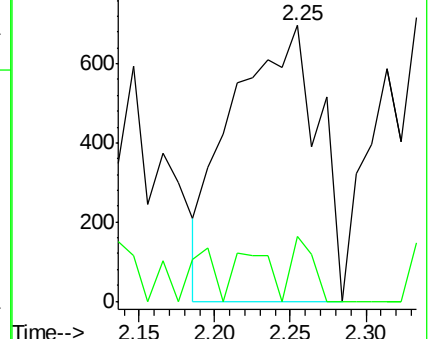
43 100

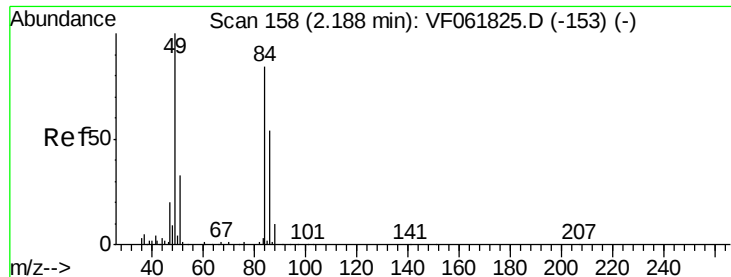
58 23.2 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



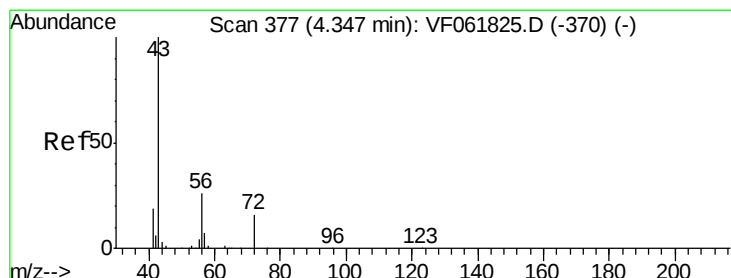
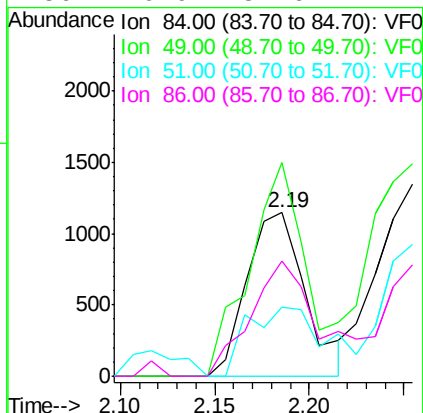
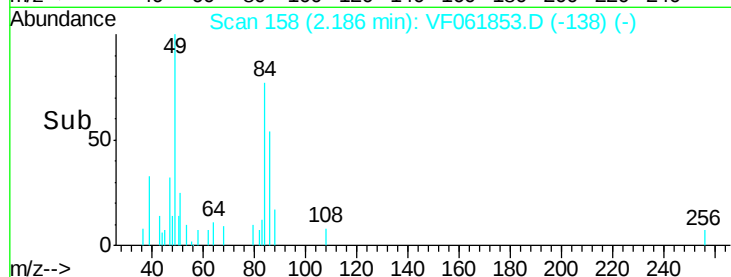
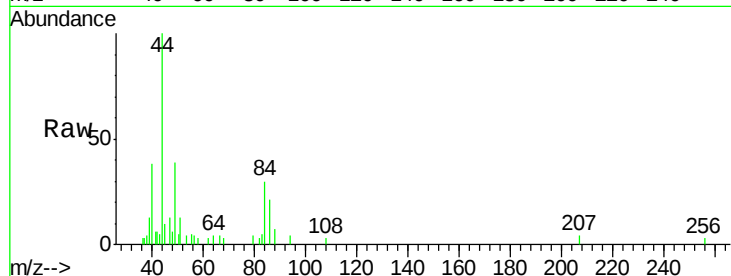


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.19 min Scan# 158
 Delta R.T. -0.00 min
 Lab File: VF061853.D
 Acq: 5 Mar 2019 19:00

Instrument :
 MSVOA_F
 ClientSampled :
 S10

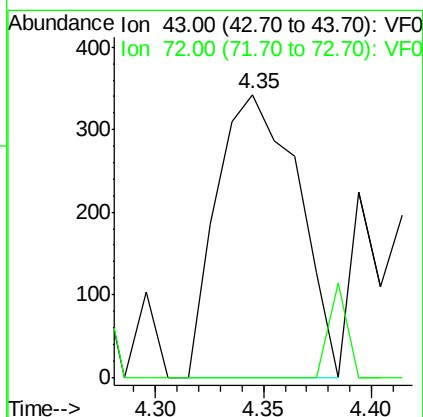
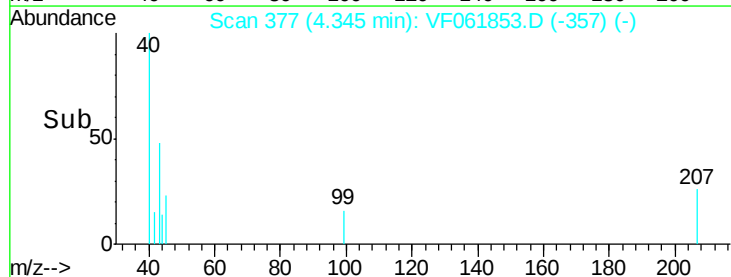
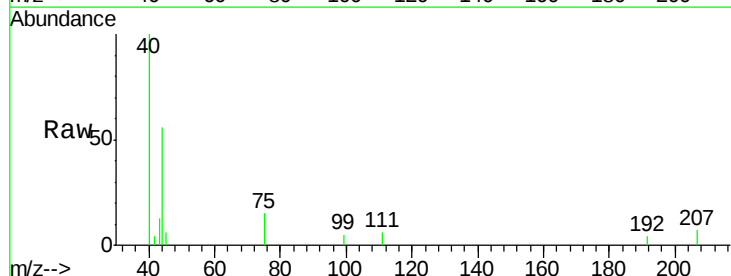
Tot Ion:	84	Resp:	2456
Ion	Ratio	Lower	Upper
84	100		
49	130.7	96.8	145.2
51	42.7	31.8	47.6
86	70.9	51.6	77.4

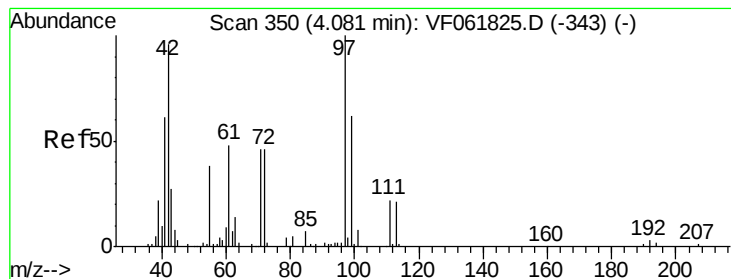


#25

2-Butanone
 Concen: 1.323 ug/l
 RT: 4.35 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: VF061853.D
 Acq: 5 Mar 2019 19:00

Tgt Ion:	43	Resp:	898
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.2	24.4#





#29

Tetrahydrofuran

Concen: 5.448 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.02 min

Lab File: VF061853.D

Acq: 5 Mar 2019 19:00

Instrument :

MSVOA_F

ClientSampled :

S10

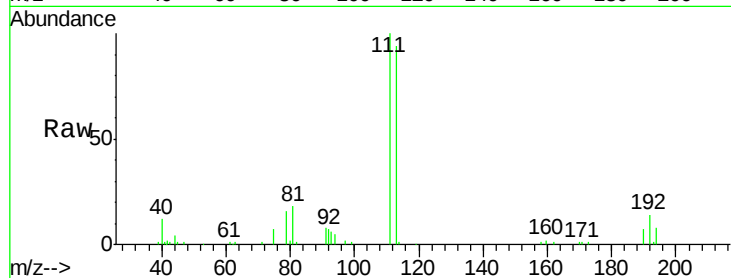
Tot Ion: 42 Resp: 1595

Ion Ratio Lower Upper

42 100

72 4.8 34.4 51.6#

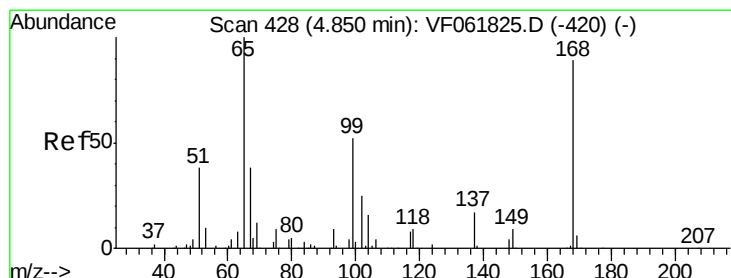
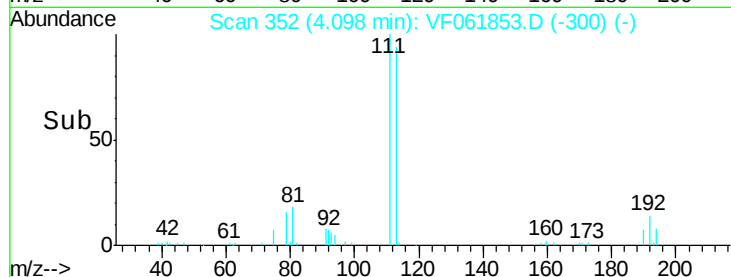
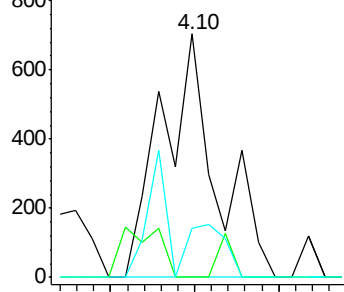
71 0.0 34.6 52.0#



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: 40.997 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.00 min

Lab File: VF061853.D

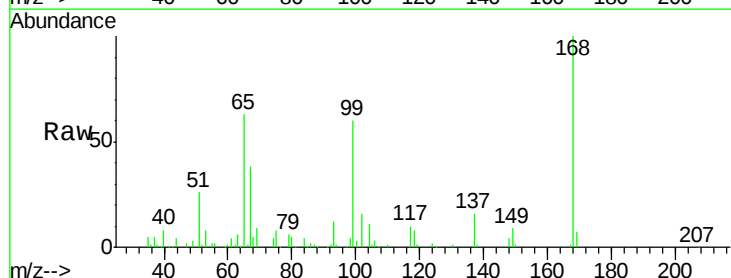
Acq: 5 Mar 2019 19:00

Tgt Ion: 65 Resp: 65315

Ion Ratio Lower Upper

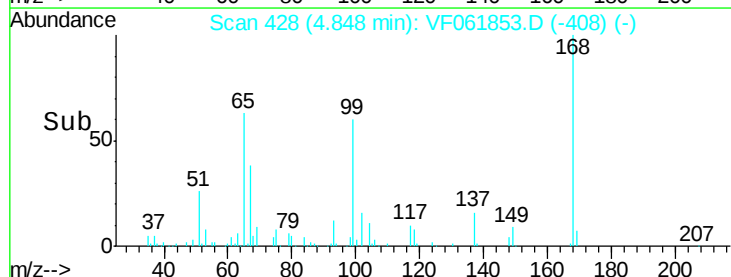
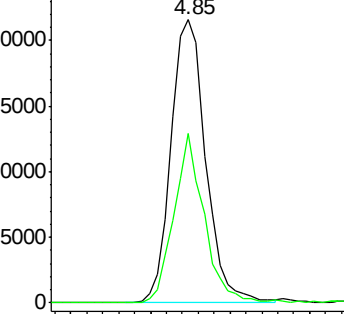
65 100

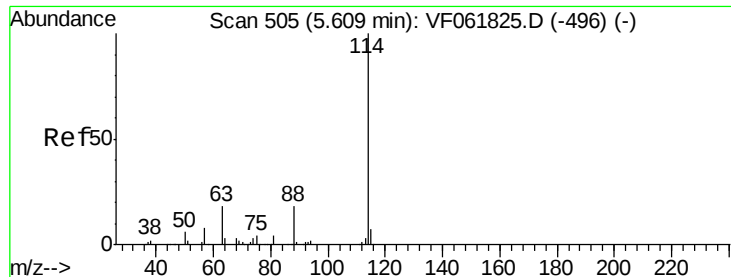
67 59.9 0.0 108.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.01 min

Lab File: VF061853.D

Acq: 5 Mar 2019 19:00

Instrument :

MSVOA_F

ClientSampleId :

S10

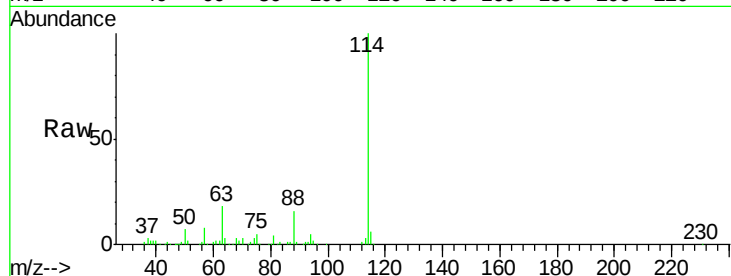
Tot Ion:114 Resp: 302565

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.6

88 15.6 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

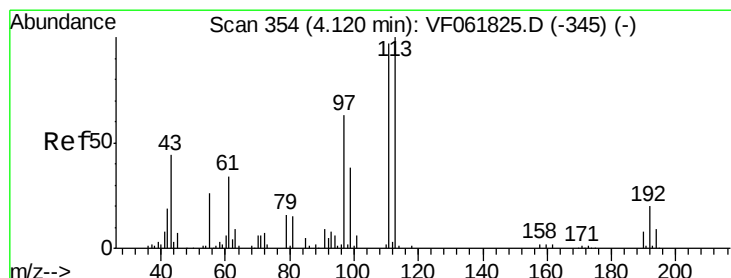
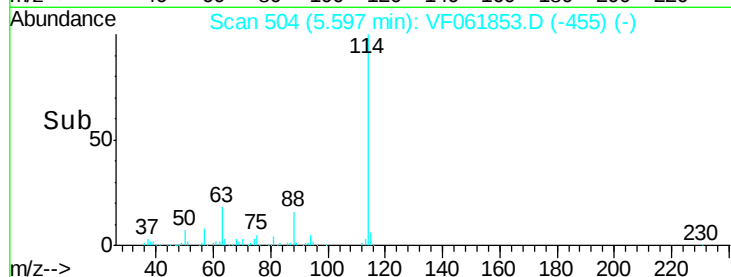
5.60

100000

50000

0

Time-->



#35

Dibromofluoromethane

Concen: 48.841 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF061853.D

Acq: 5 Mar 2019 19:00

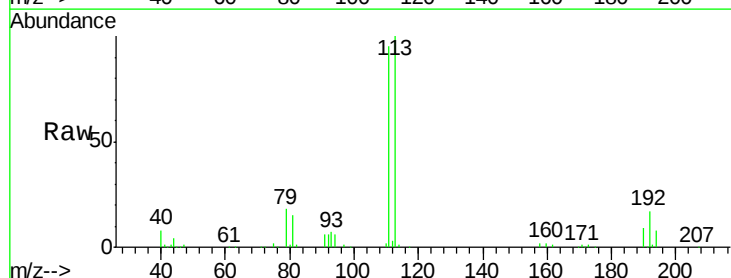
Tgt Ion:113 Resp: 103129

Ion Ratio Lower Upper

113 100

111 95.3 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

4.12

40000

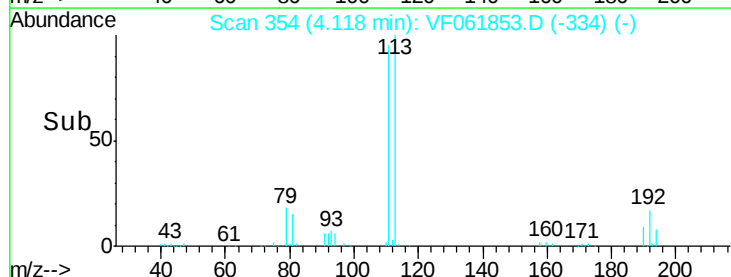
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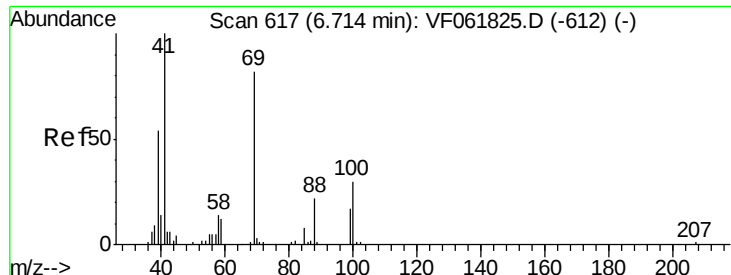
20000

10000

0

Time-->

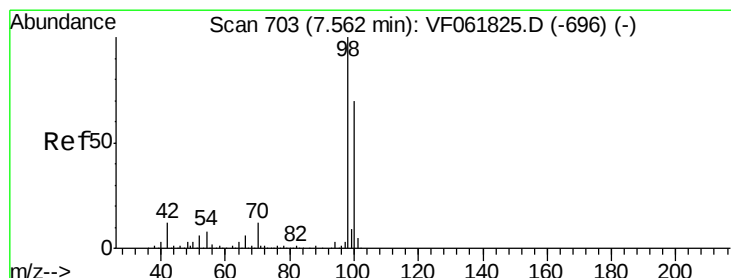
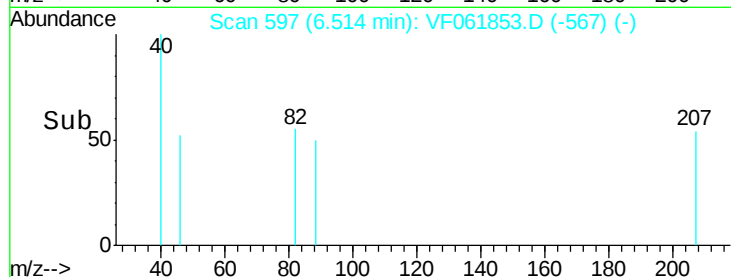
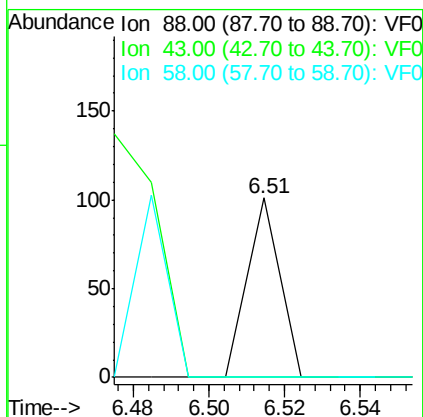
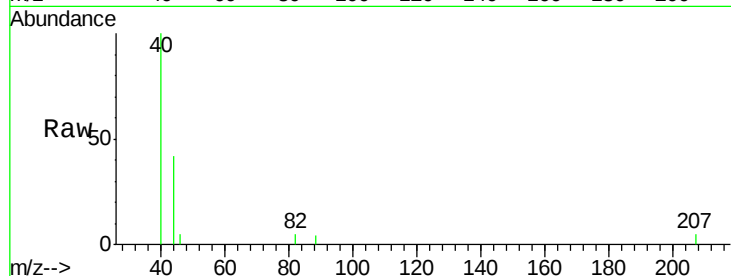




#49
1,4-Dioxane
Concen: 7.013 ug/l
RT: 6.51 min Scan# 597
Delta R.T. -0.20 min
Lab File: VF061853.D
Acq: 5 Mar 2019 19:00

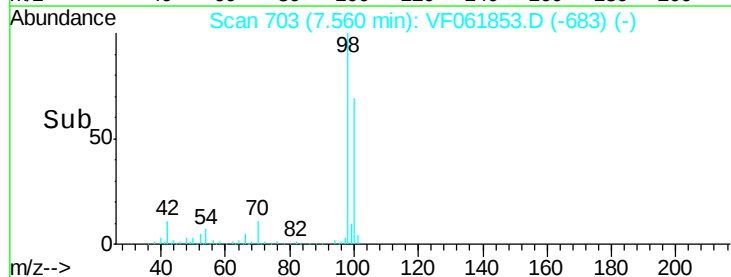
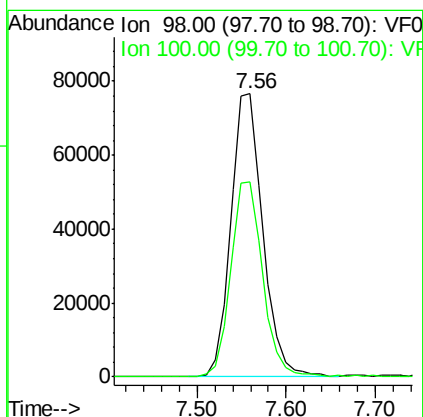
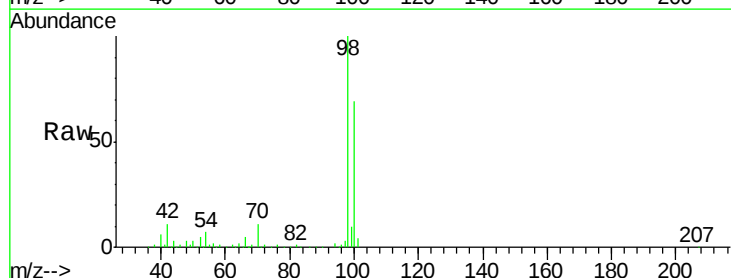
Instrument :
MSVOA_F
ClientSampleId :
S10

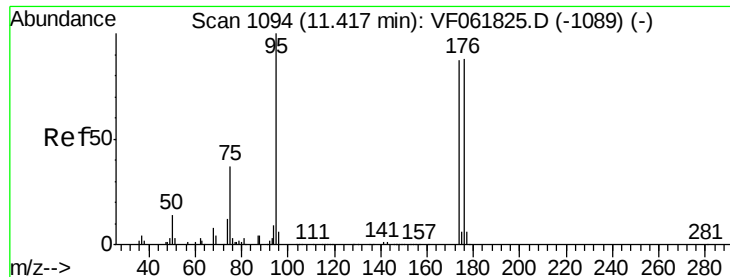
Tot Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 0.0 28.4 42.6#
58 0.0 50.7 76.1#



#50
Toluene-d8
Concen: 30.714 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF061853.D
Acq: 5 Mar 2019 19:00

Tgt Ion: 98 Resp: 192762
Ion Ratio Lower Upper
98 100
100 69.0 56.0 84.0





#62

4-Bromofluorobenzene

Concen: 14.260 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061853.D

Acq: 5 Mar 2019 19:00

Instrument :

MSVOA_F

ClientSampleId :

S10

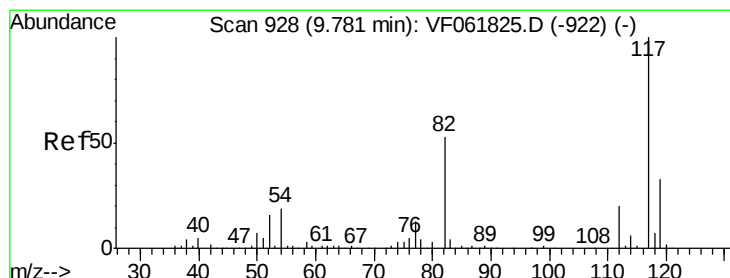
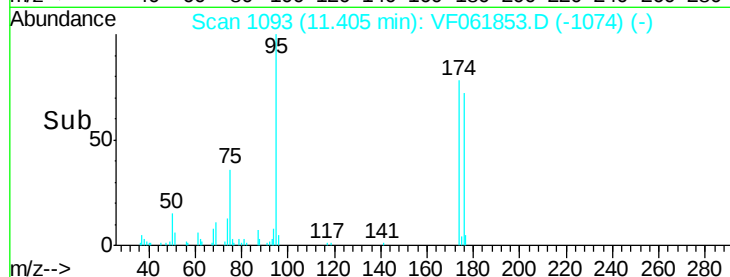
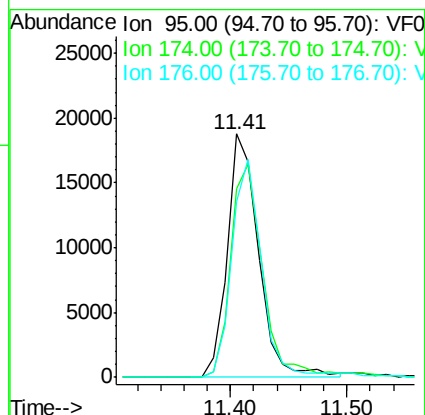
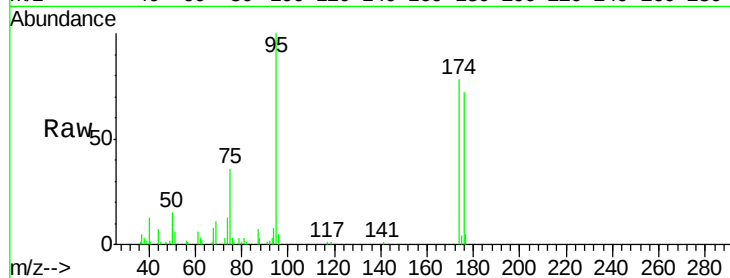
Tot Ion: 95 Resp: 35057

Ion Ratio Lower Upper

95 100

174 77.5 0.0 174.0

176 72.1 0.0 175.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.00 min

Lab File: VF061853.D

Acq: 5 Mar 2019 19:00

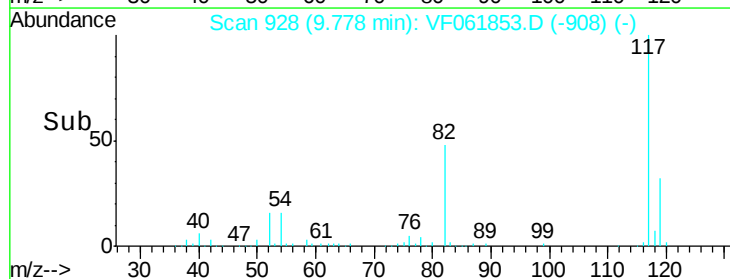
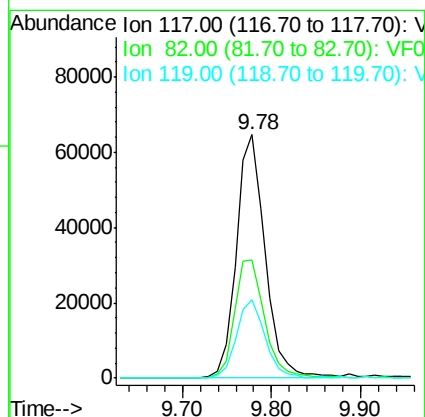
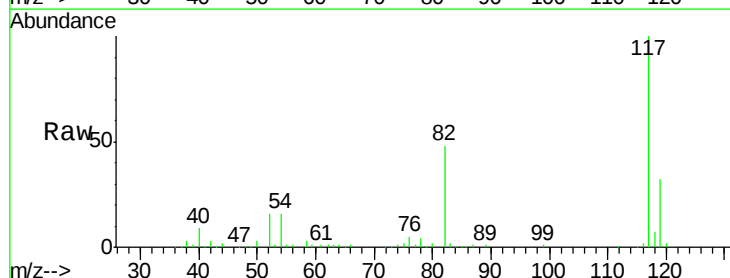
Tgt Ion: 117 Resp: 145627

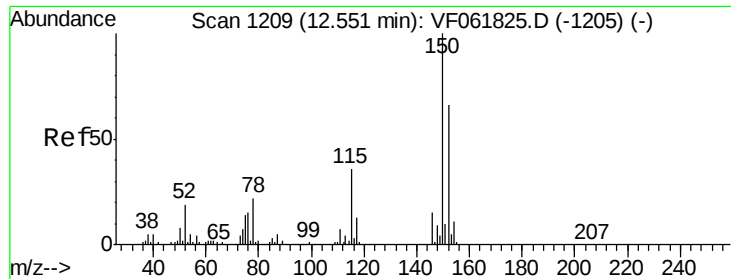
Ion Ratio Lower Upper

117 100

82 48.5 42.6 63.8

119 32.0 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061853.D

Acq: 5 Mar 2019 19:00

Instrument :

MSVOA_F

ClientSampled :

S10

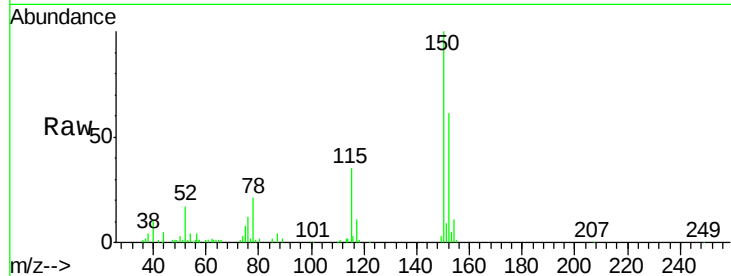
Tot Ion:152 Resp: 31236

Ion Ratio Lower Upper

152 100

115 56.2 27.7 83.1

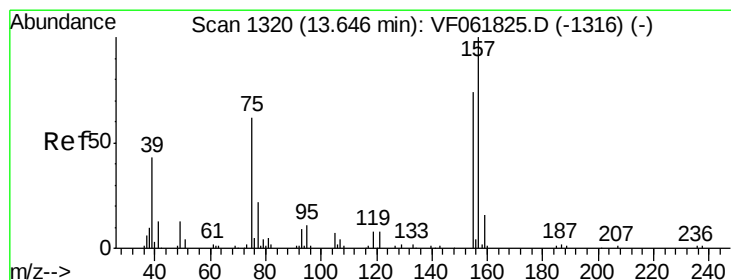
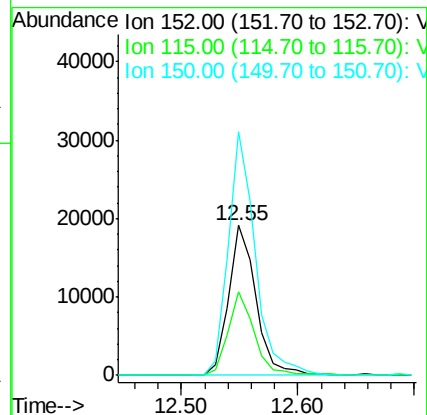
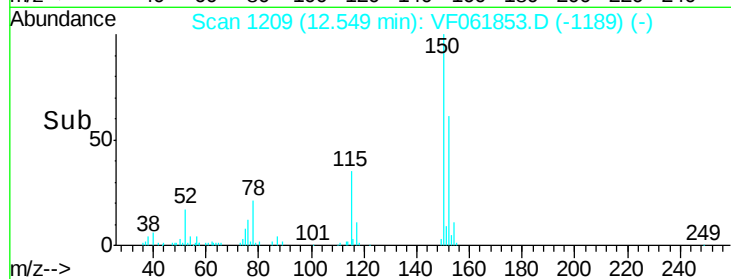
150 162.6 0.0 304.2



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: 4.706 ug/l

RT: 13.62 min Scan# 1318

Delta R.T. -0.02 min

Lab File: VF061853.D

Acq: 5 Mar 2019 19:00

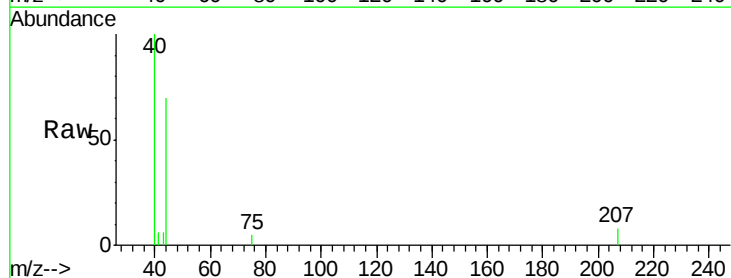
Tgt Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 0.0 81.2 243.4#



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

