

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030519\
 Data File : VF061852.D
 Acq On : 5 Mar 2019 18:31
 Operator : VA/AP
 Sample : K1712-19RE
 Misc : 3.61g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 Z-2-4RE

Quant Time: Mar 06 05:45:27 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	167198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	239383	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.77	117	190469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	97848	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	43729	35.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	71.82%	
35) Dibromofluoromethane	4.11	113	68079	40.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	81.50%	
50) Toluene-d8	7.55	98	173375	34.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	69.84%	
62) 4-Bromofluorobenzene	11.41	95	70104	36.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	72.08%	

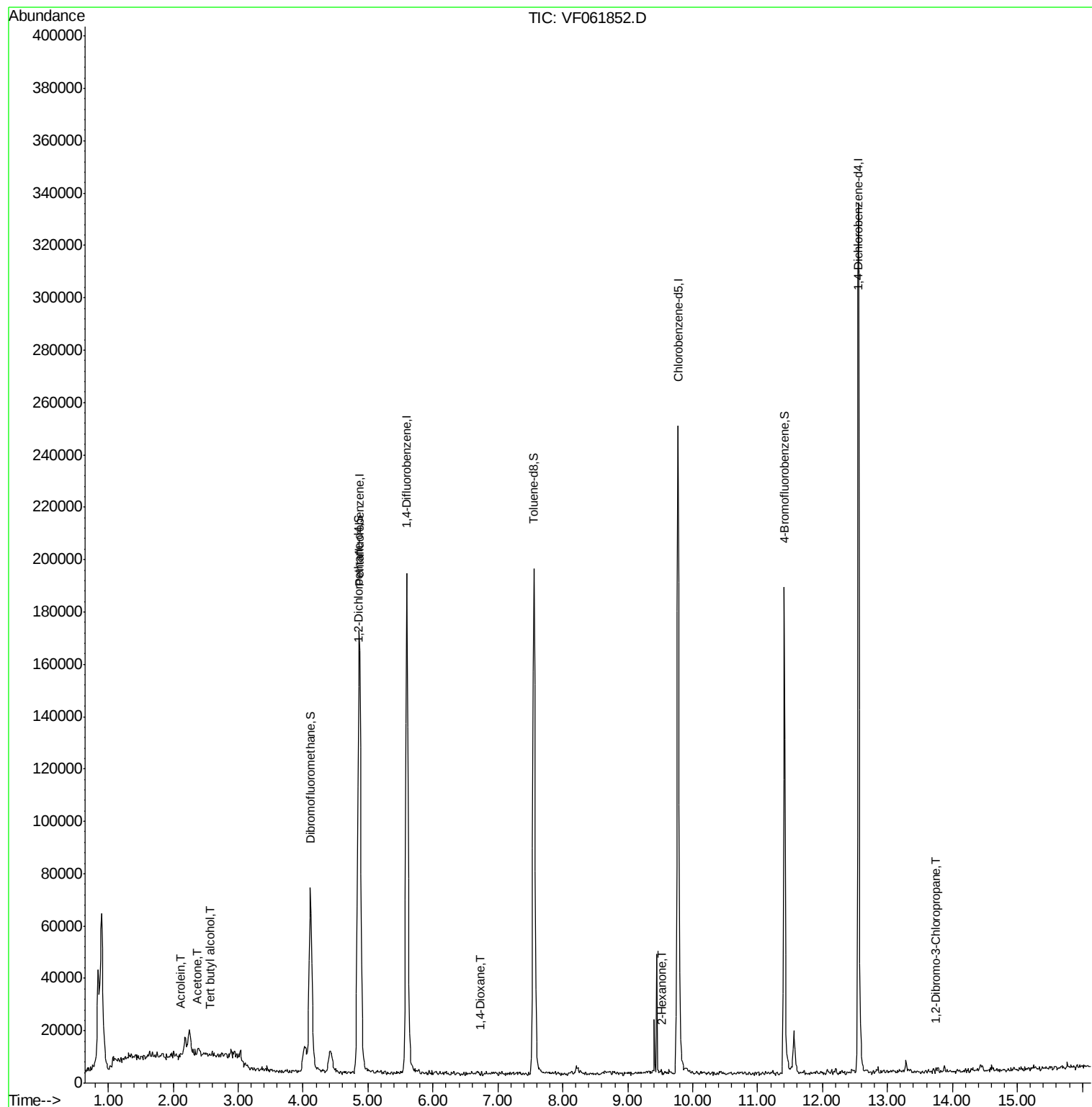
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.56	59	264	3.820	ug/l #	64
13) Acrolein	2.11	56	253	2.889	ug/l	85
16) Acetone	2.37	43	818	3.207	ug/l	91
18) Methyl Acetate	2.40	43	567	Below Cal		97
20) Methylene Chloride	2.25	84	5288	Below Cal		97
49) 1,4-Dioxane	6.73	88	69	10.194	ug/l #	1
59) 2-Hexanone	9.52	43	857	1.469	ug/l	68
92) 1,2-Dibromo-3-Chloropropan	13.75	75	77	4.134	ug/l #	1

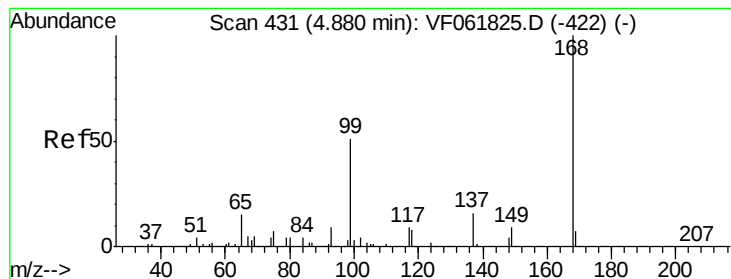
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030519\
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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: VF061852.D

Acq: 5 Mar 2019 18:31

Instrument :

MSVOA_F

ClientSampleId :

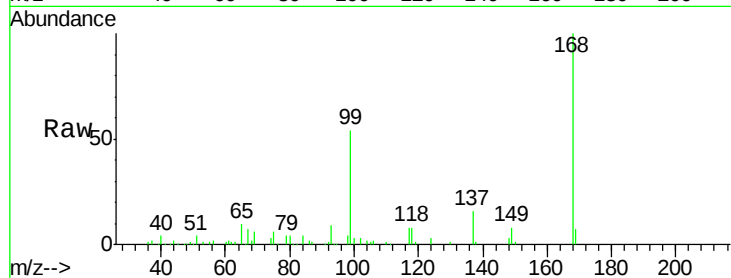
Z-2-4RE

Tot Ion:168 Resp: 167198

Ion Ratio Lower Upper

168 100

99 53.7 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

60000

50000

40000

30000

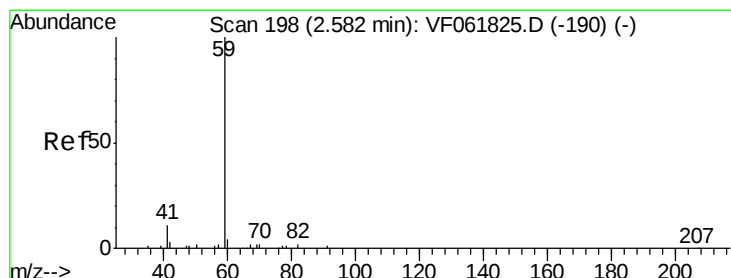
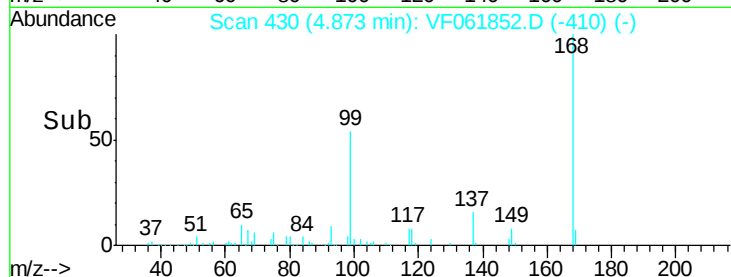
20000

10000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 3.820 ug/l

RT: 2.56 min Scan# 195

Delta R.T. -0.03 min

Lab File: VF061852.D

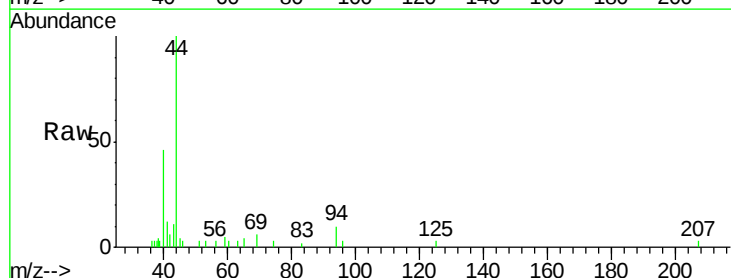
Acq: 5 Mar 2019 18:31

Tgt Ion: 59 Resp: 264

Ion Ratio Lower Upper

59 100

57 0.0 11.8 17.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.56

200

150

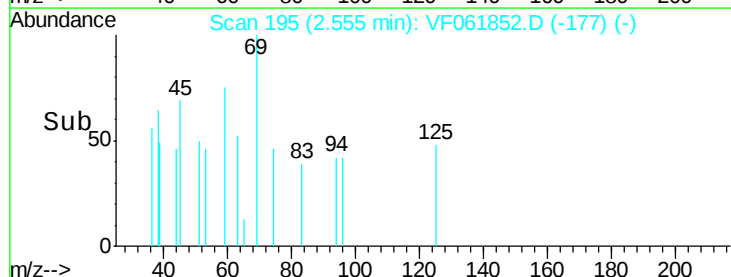
100

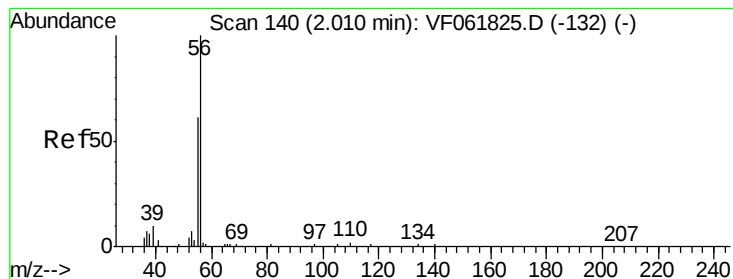
50

0

Time-->

2.55 2.60





#13

Acrolein

Concen: 2.889 ug/l

RT: 2.11 min Scan# 150

Delta R.T. 0.10 min

Lab File: VF061852.D

Acq: 5 Mar 2019 18:31

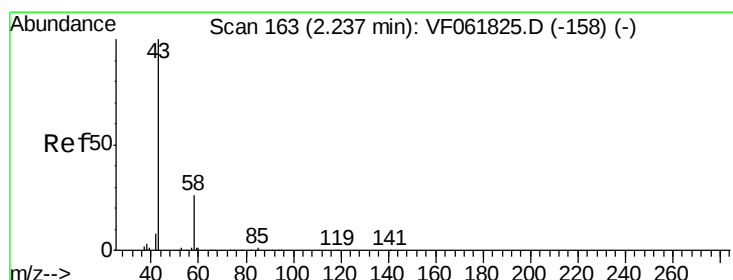
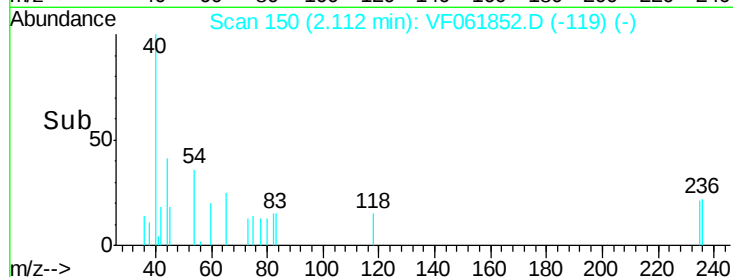
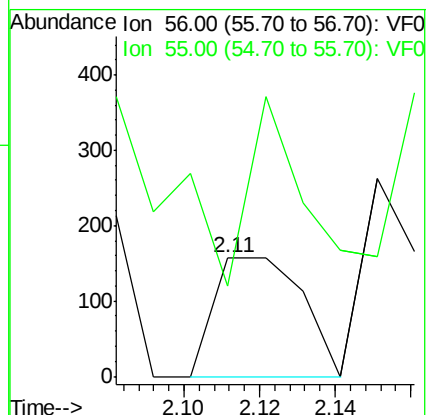
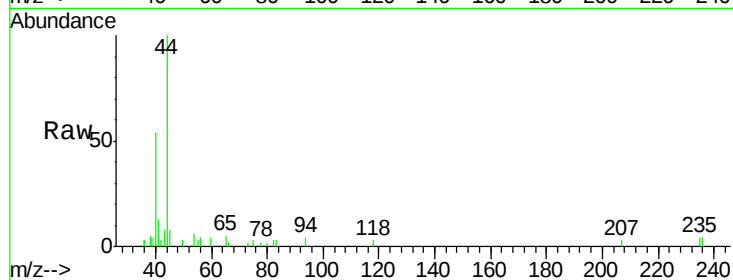
Instrument :
MSVOA_F
ClientSampled :
Z-2-4RE

Tot Ion: 56 Resp: 253

Ion Ratio Lower Upper

56 100

55 75.9 51.3 76.9



#16

Acetone

Concen: 3.207 ug/l

RT: 2.37 min Scan# 176

Delta R.T. 0.13 min

Lab File: VF061852.D

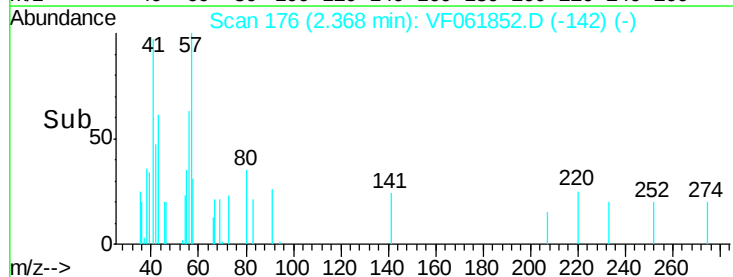
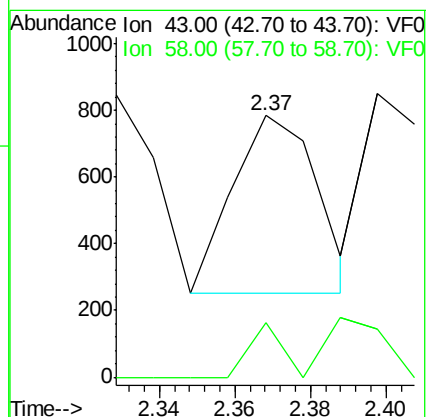
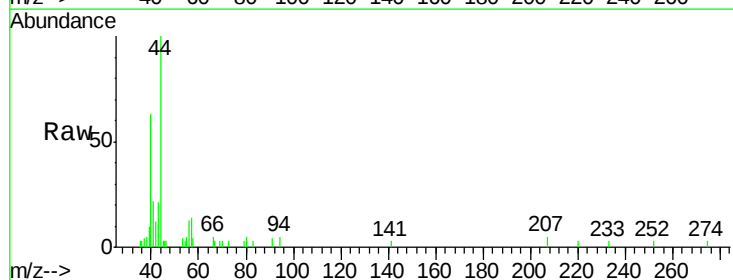
Acq: 5 Mar 2019 18:31

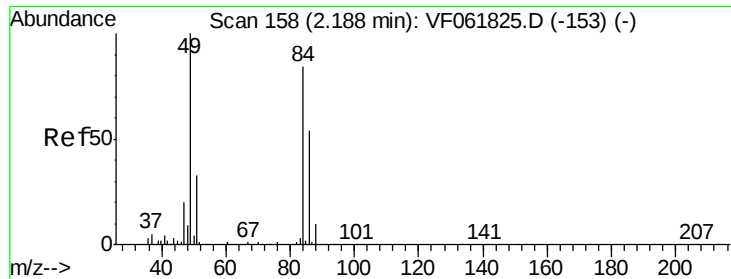
Tgt Ion: 43 Resp: 818

Ion Ratio Lower Upper

43 100

58 20.7 20.3 30.5

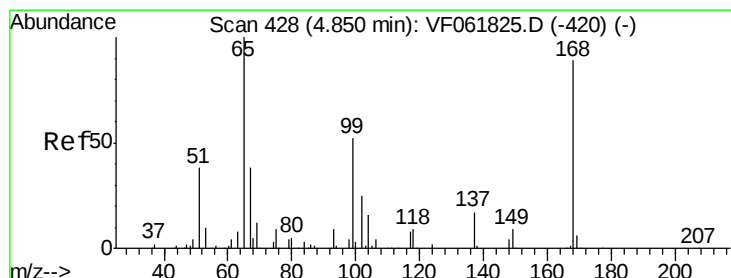
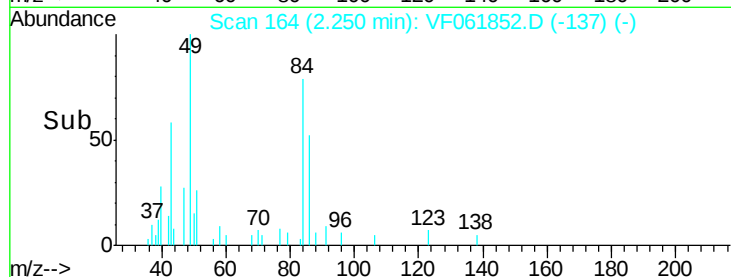
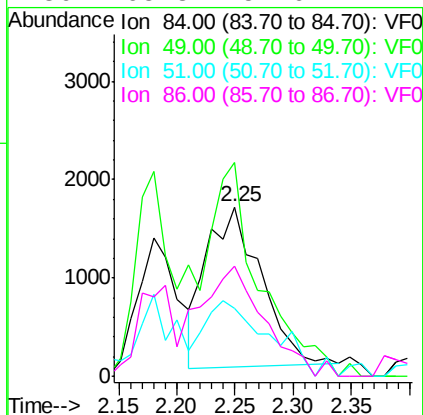
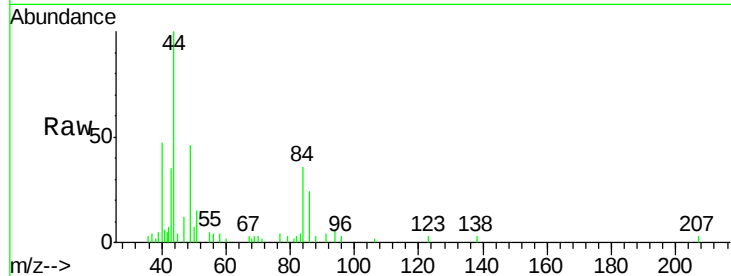




#20
Methylene Chloride
Concen: Below Cal
RT: 2.25 min Scan# 164
Delta R.T. 0.06 min
Lab File: VF061852.D
Acq: 5 Mar 2019 18:31

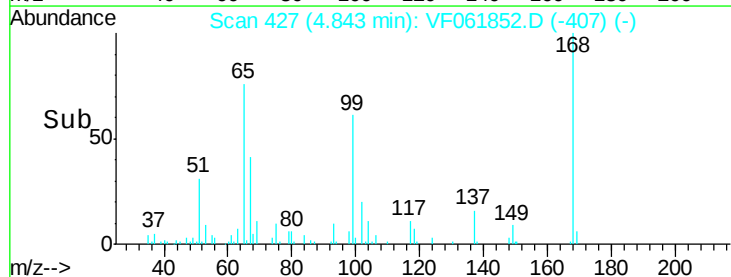
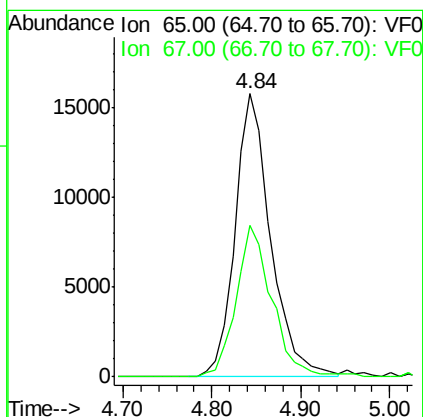
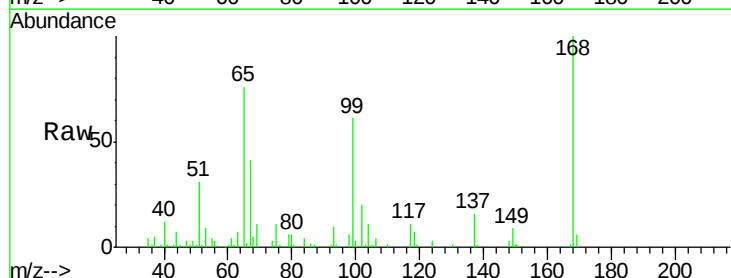
Instrument :
MSVOA_F
ClientSampled :
Z-2-4RE

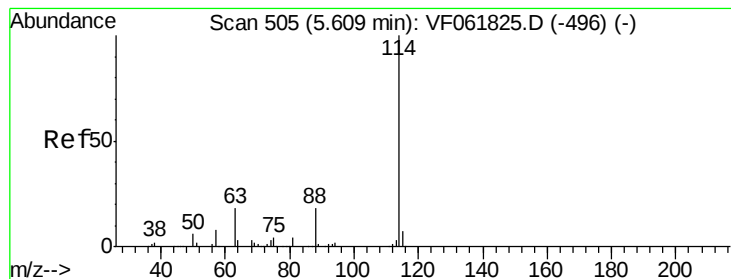
Tot Ion: 84 Resp: 5288
Ion Ratio Lower Upper
84 100
49 126.1 96.8 145.2
51 40.1 31.8 47.6
86 65.3 51.6 77.4



#33
1,2-Dichloroethane-d4
Concen: 35.914 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.01 min
Lab File: VF061852.D
Acq: 5 Mar 2019 18:31

Tgt Ion: 65 Resp: 43729
Ion Ratio Lower Upper
65 100
67 53.4 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: VF061852.D

Acq: 5 Mar 2019 18:31

Instrument :

MSVOA_F

ClientSampleId :

Z-2-4RE

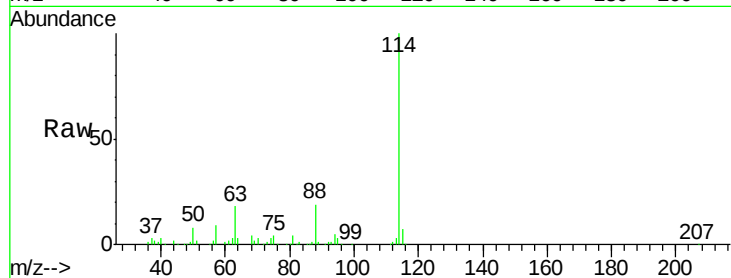
Tot Ion:114 Resp: 239383

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.6

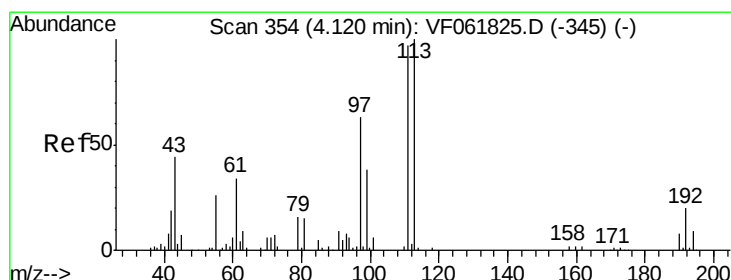
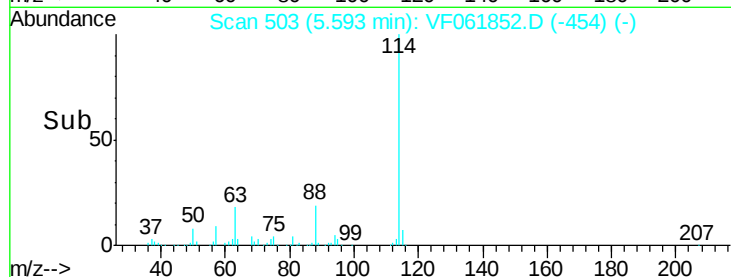
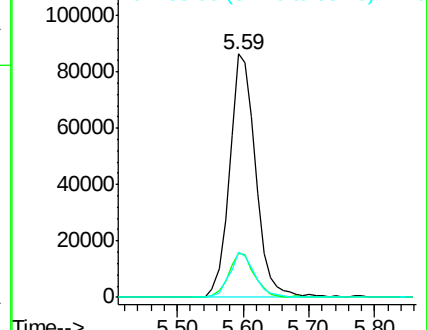
88 18.6 0.0 35.6



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: 40.752 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061852.D

Acq: 5 Mar 2019 18:31

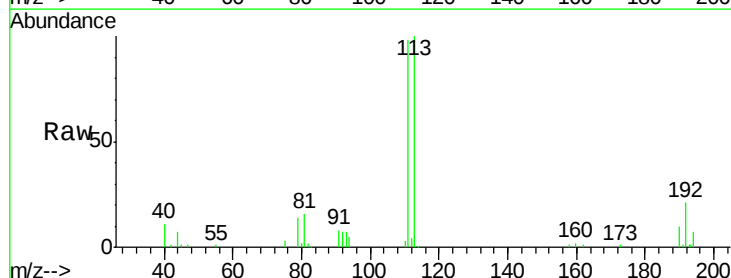
Tgt Ion:113 Resp: 68079

Ion Ratio Lower Upper

113 100

111 98.5 77.6 116.4

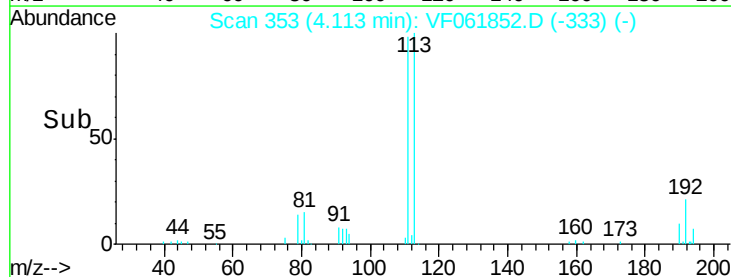
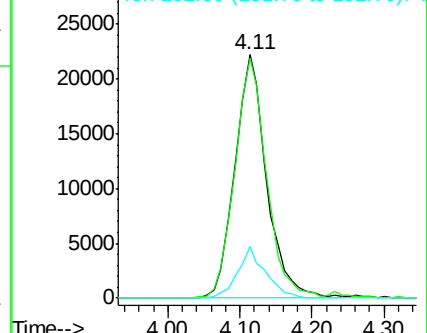
192 21.9 15.9 23.9

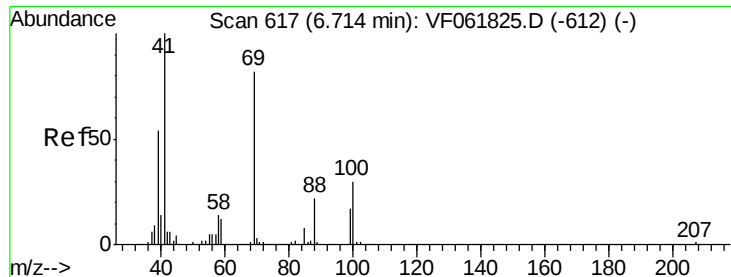


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 10.194 ug/l

RT: 6.73 min Scan# 618

Delta R.T. 0.01 min

Lab File: VF061852.D

Acq: 5 Mar 2019 18:31

Instrument :

MSVOA_F

ClientSampleId :

Z-2-4RE

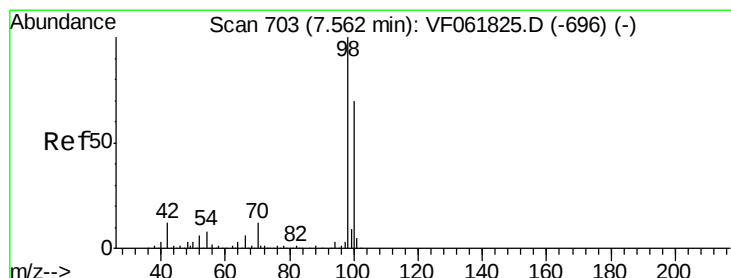
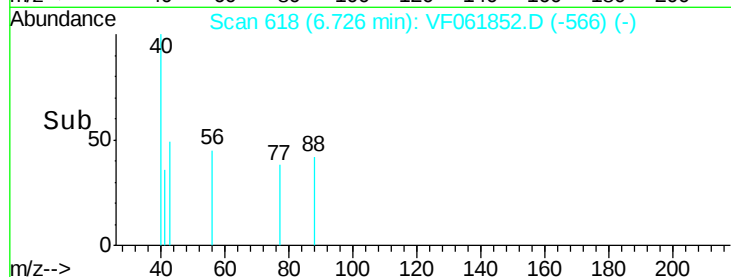
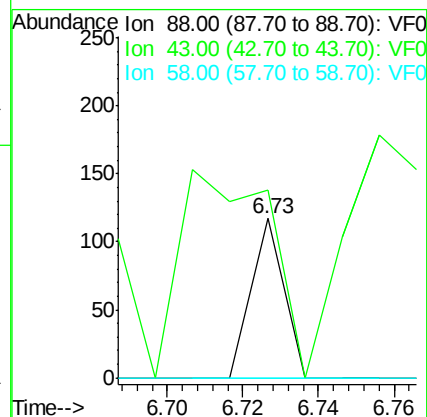
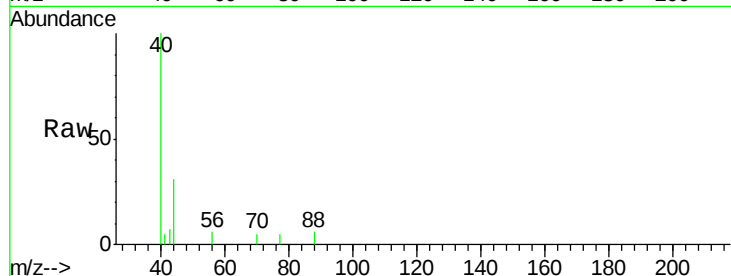
Tot Ion: 88 Resp: 69

Ion Ratio Lower Upper

88 100

43 117.9 28.4 42.6#

58 0.0 50.7 76.1#



#50

Toluene-d8

Concen: 34.916 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061852.D

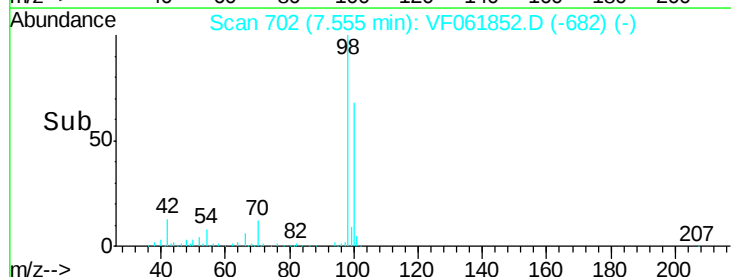
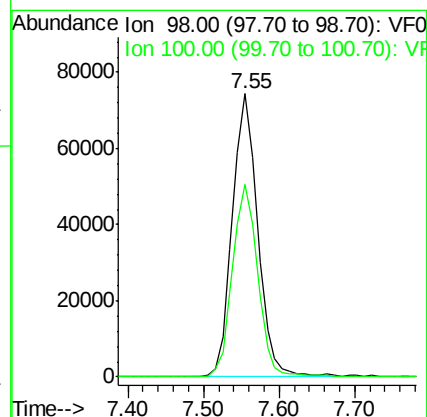
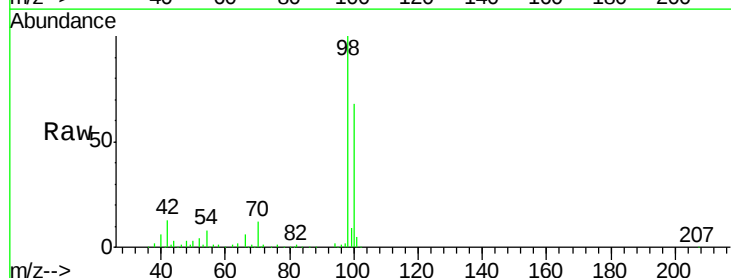
Acq: 5 Mar 2019 18:31

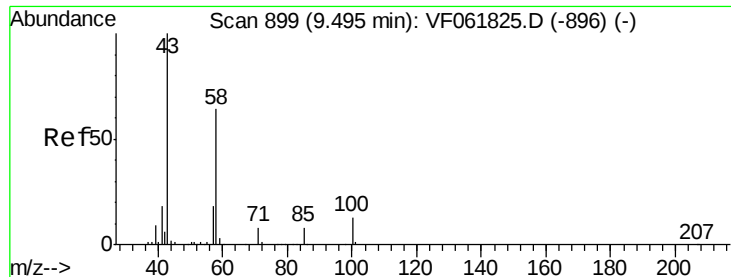
Tgt Ion: 98 Resp: 173375

Ion Ratio Lower Upper

98 100

100 68.1 56.0 84.0

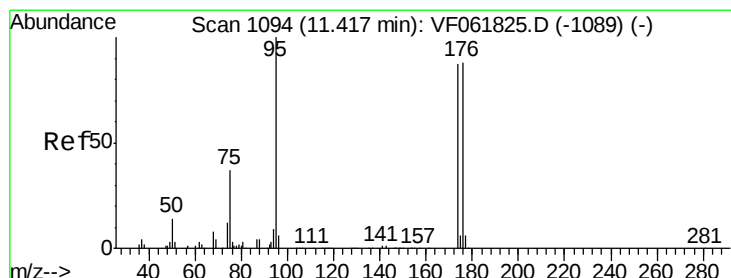
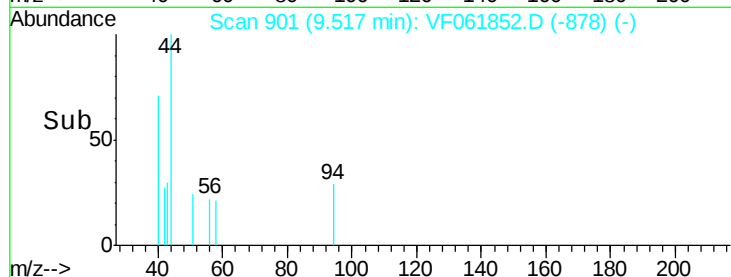
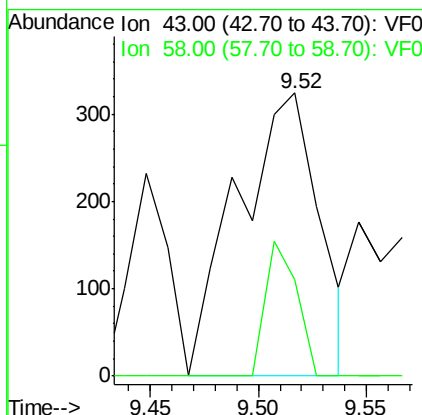
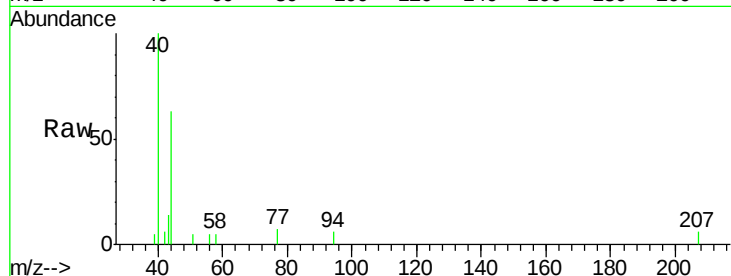




#59
2-Hexanone
Concen: 1.469 ug/l
RT: 9.52 min Scan# 901
Delta R.T. 0.02 min
Lab File: VF061852.D
Acq: 5 Mar 2019 18:31

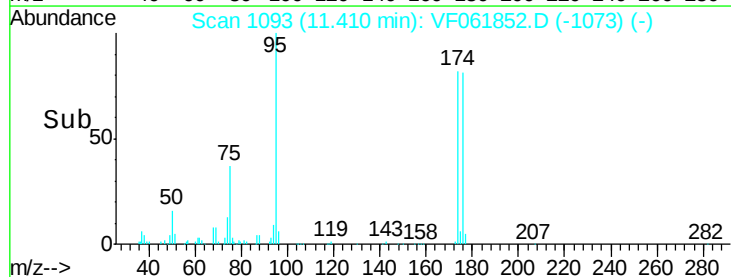
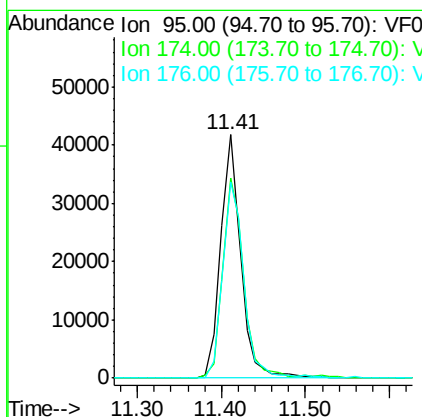
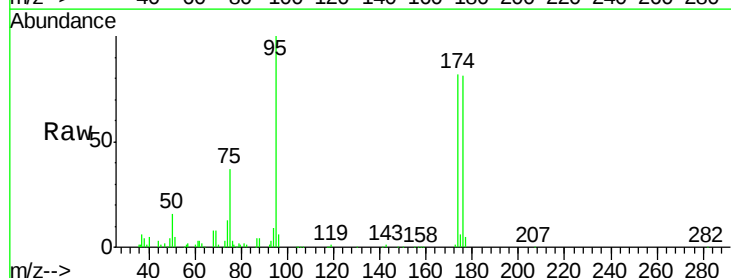
Instrument :
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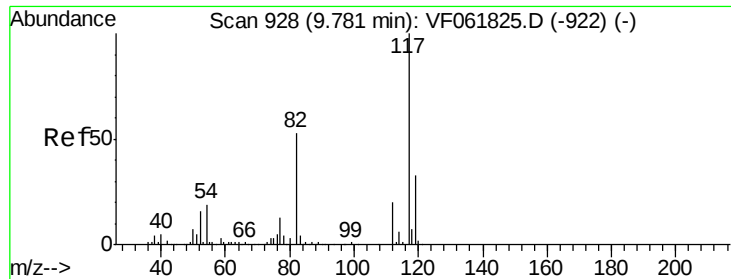
Tot Ion: 43 Resp: 857
Ion Ratio Lower Upper
43 100
58 34.0 28.8 86.4



#62
4-Bromofluorobenzene
Concen: 36.041 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF061852.D
Acq: 5 Mar 2019 18:31

Tgt Ion: 95 Resp: 70104
Ion Ratio Lower Upper
95 100
174 82.2 0.0 174.0
176 80.8 0.0 175.2

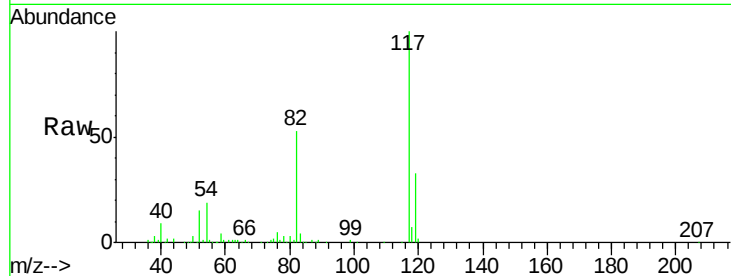




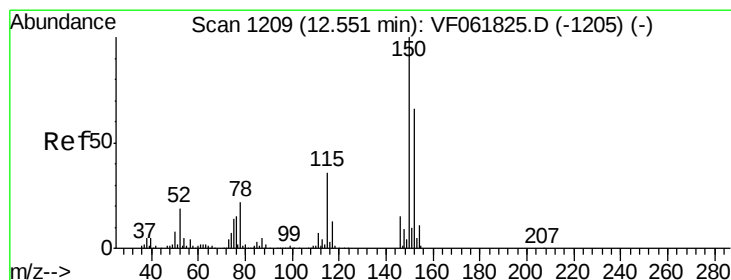
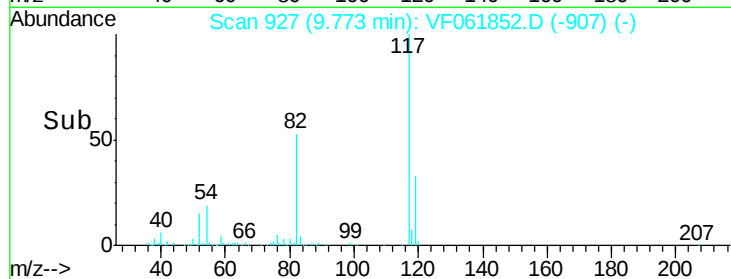
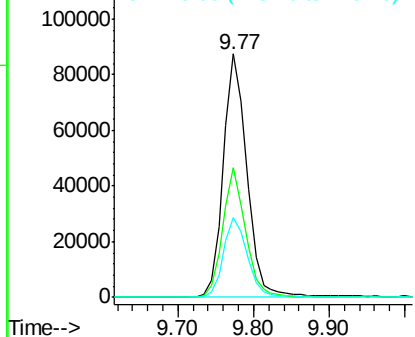
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061852.D
Acq: 5 Mar 2019 18:31

Instrument :
MSVOA_F
ClientSampleId :
Z-2-4RE

Tot Ion:117 Resp: 190469
Ion Ratio Lower Upper
117 100
82 53.3 42.6 63.8
119 32.7 26.0 39.0

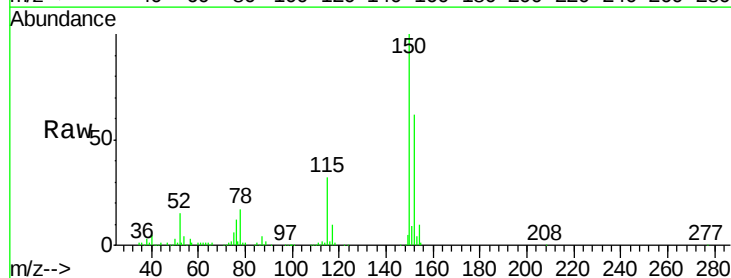


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

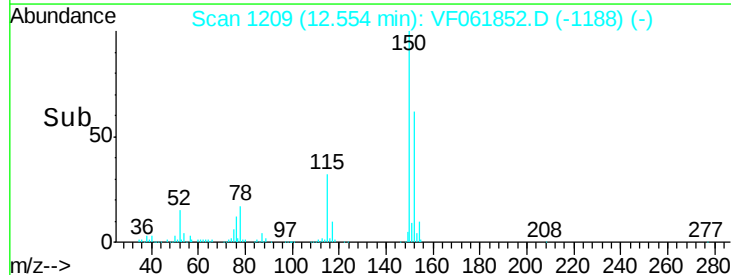
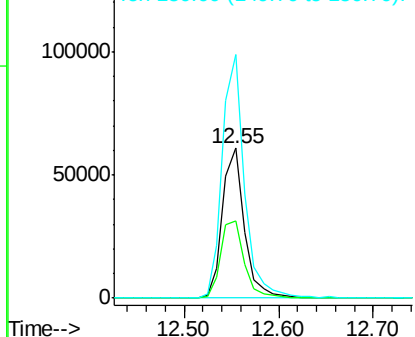


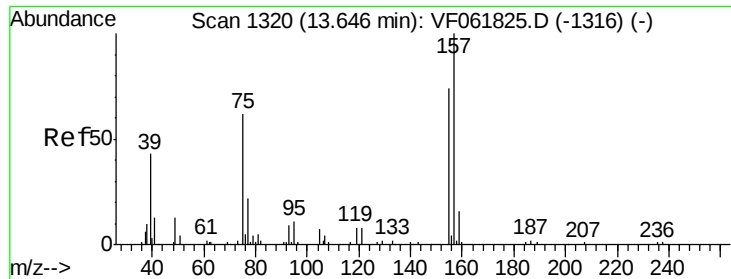
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VF061852.D
Acq: 5 Mar 2019 18:31

Tgt Ion:152 Resp: 97848
Ion Ratio Lower Upper
152 100
115 51.7 27.7 83.1
150 162.4 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: 4.134 ug/l

RT: 13.75 min Scan# 1330

Delta R.T. 0.10 min

Lab File: VF061852.D

Acq: 5 Mar 2019 18:31

Instrument :

MSVOA_F

ClientSampleId :

Z-2-4RE

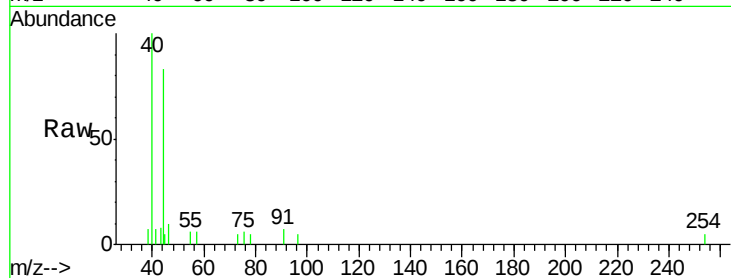
Tot Ion: 75 Resp: 77

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

