

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030519\
 Data File : VF061850.D
 Acq On : 5 Mar 2019 17:34
 Operator : VA/AP
 Sample : K1712-11
 Misc : 3.67g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 Z-2-2

Quant Time: Mar 06 05:45:04 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

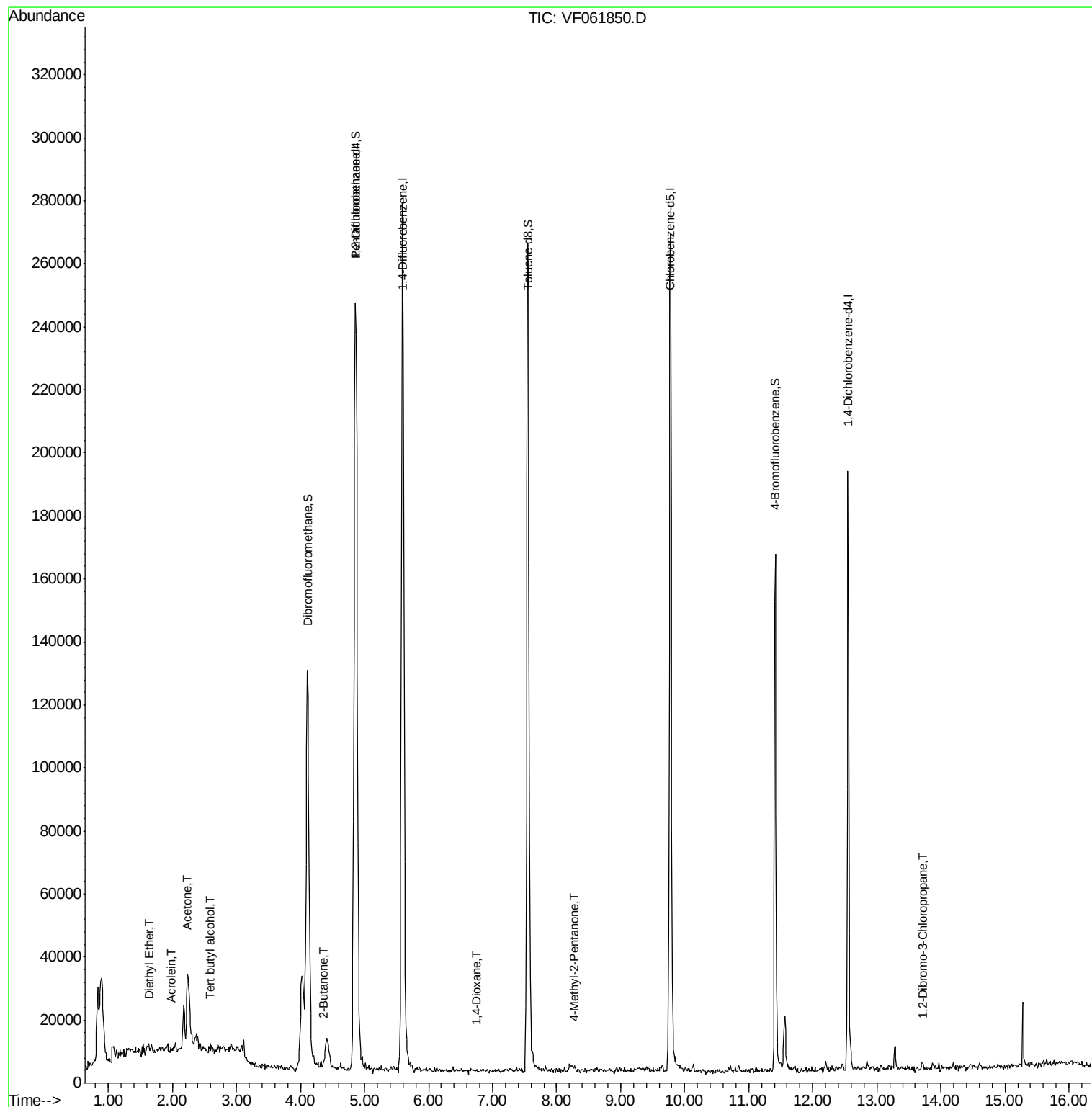
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	228316	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	346635	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	219835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	52276	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	82481	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
35) Dibromofluoromethane	4.11	113	121989	50.43	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.86%	
50) Toluene-d8	7.55	98	244918	34.06	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	68.12%	
62) 4-Bromofluorobenzene	11.41	95	64770	23.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.00%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.63	74	851	1.188	ug/l	80
11) Tert butyl alcohol	2.59	59	243	2.575	ug/l #	1
13) Acrolein	1.97	56	170	1.422	ug/l	88
16) Acetone	2.24	43	19480	55.931	ug/l	93
18) Methyl Acetate	2.38	43	2082	Below Cal	#	84
20) Methylene Chloride	2.17	84	6568	Below Cal		86
25) 2-Butanone	4.34	43	2909	4.106	ug/l #	56
49) 1,4-Dioxane	6.76	88	66	6.734	ug/l #	26
51) 4-Methyl-2-Pentanone	8.27	43	1987	1.697	ug/l #	84
92) 1,2-Dibromo-3-Chloropropan	13.73	75	156	5.156	ug/l #	1

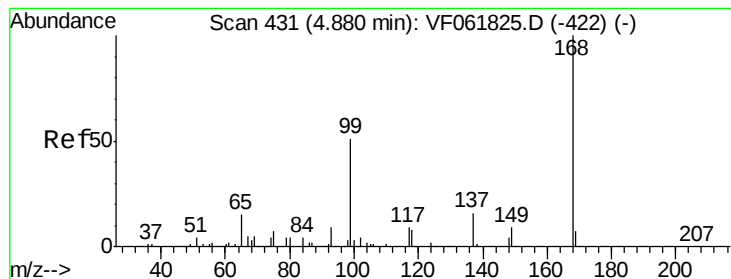
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030519\
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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: VF061850.D

Acq: 5 Mar 2019 17:34

Instrument :

MSVOA_F

ClientSampled :

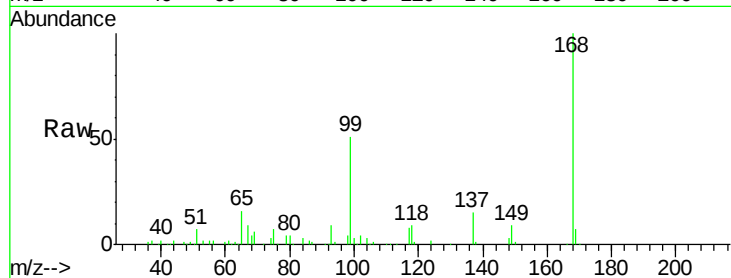
Z-2-2

Tot Ion:168 Resp: 228316

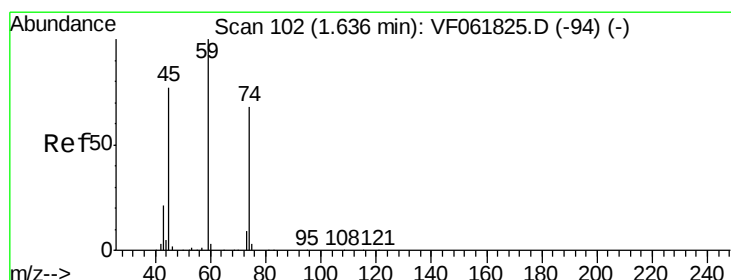
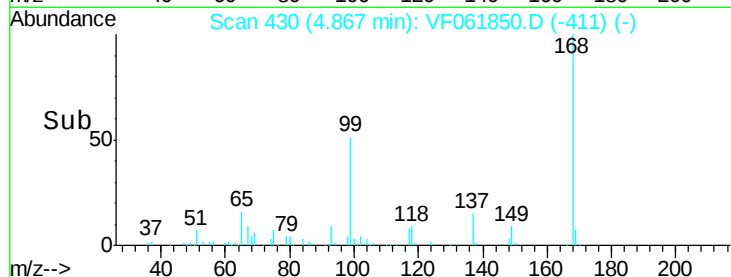
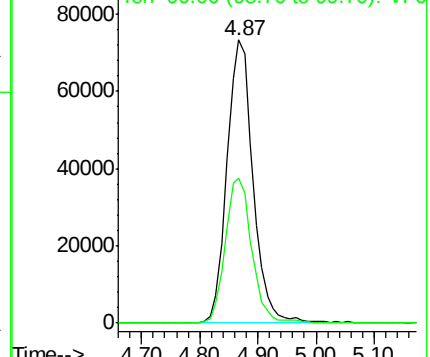
Ion Ratio Lower Upper

168 100

99 51.3 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0



#8

Diethyl Ether

Concen: 1.188 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.00 min

Lab File: VF061850.D

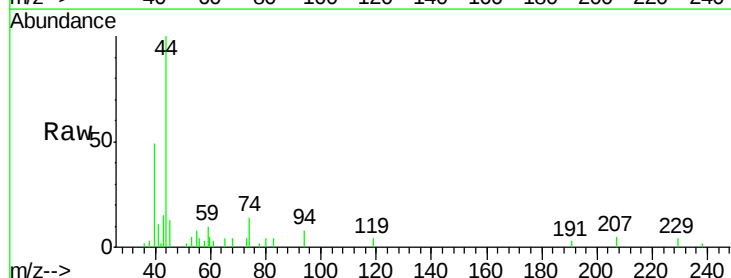
Acq: 5 Mar 2019 17:34

Tgt Ion: 74 Resp: 851

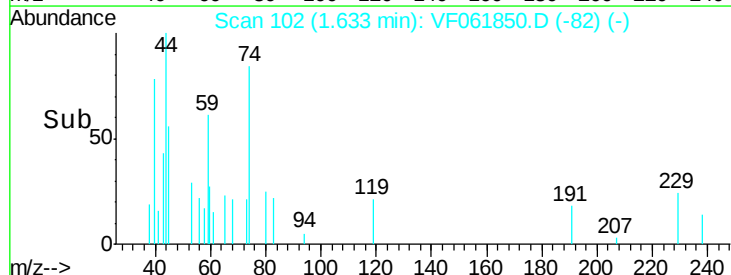
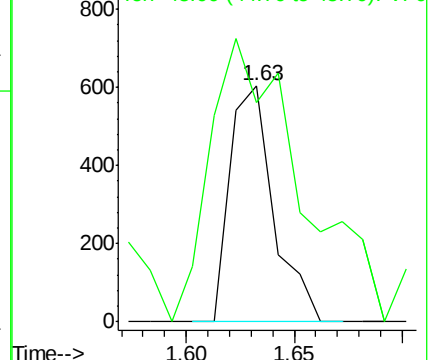
Ion Ratio Lower Upper

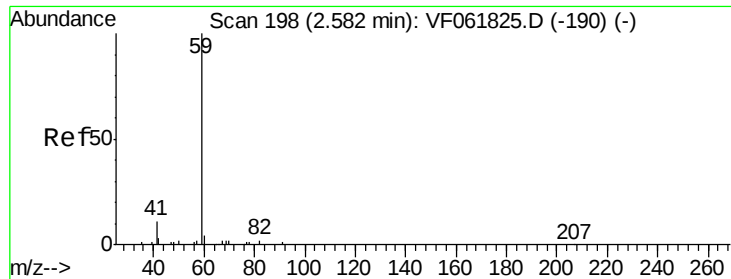
74 100

45 92.7 57.2 171.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

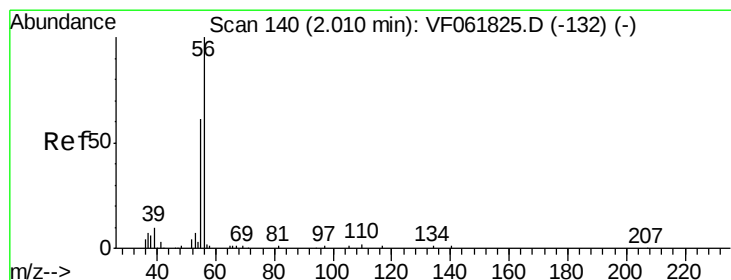
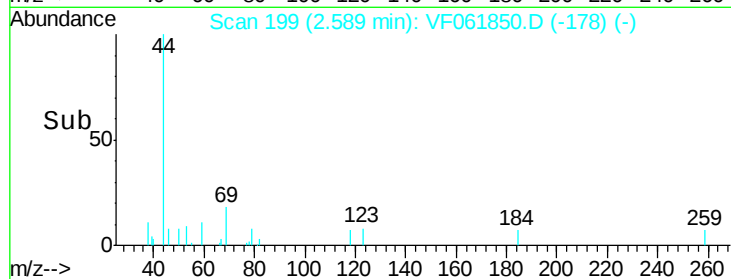
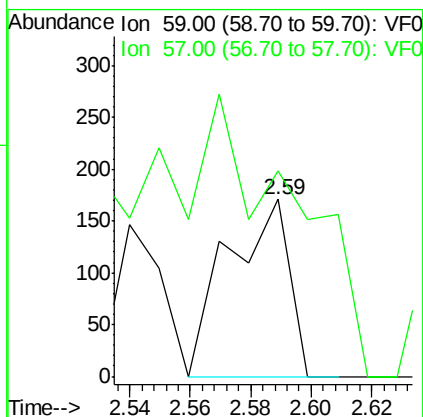
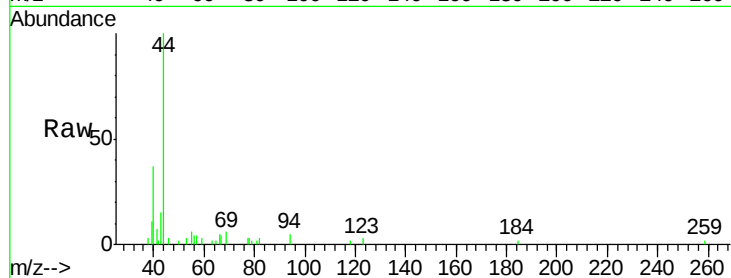




#11
Tert butyl alcohol
Concen: 2.575 ug/l
RT: 2.59 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF061850.D
Acq: 5 Mar 2019 17:34

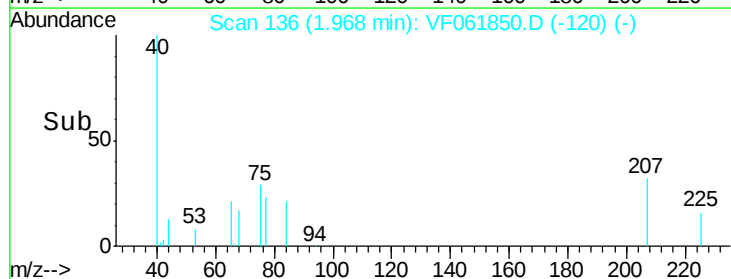
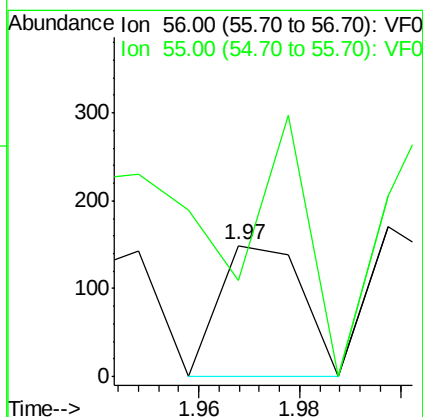
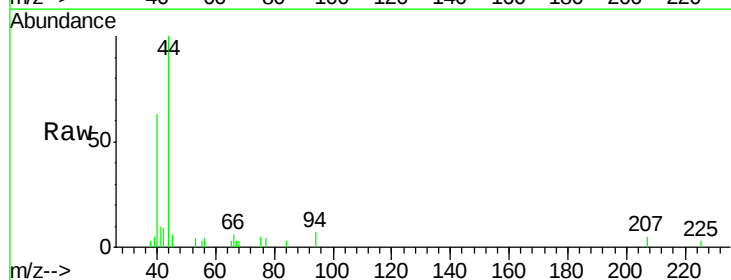
Instrument :
MSVOA_F
ClientSampled :
Z-2-2

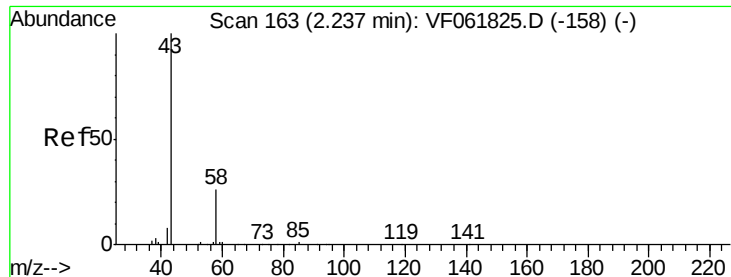
Tot Ion: 59 Resp: 243
Ion Ratio Lower Upper
59 100
57 115.8 11.8 17.6#



#13
Acrolein
Concen: 1.422 ug/l
RT: 1.97 min Scan# 136
Delta R.T. -0.04 min
Lab File: VF061850.D
Acq: 5 Mar 2019 17:34

Tgt Ion: 56 Resp: 170
Ion Ratio Lower Upper
56 100
55 73.8 51.3 76.9





#16

Acetone

Concen: 55.931 ug/l

RT: 2.24 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061850.D

Acq: 5 Mar 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

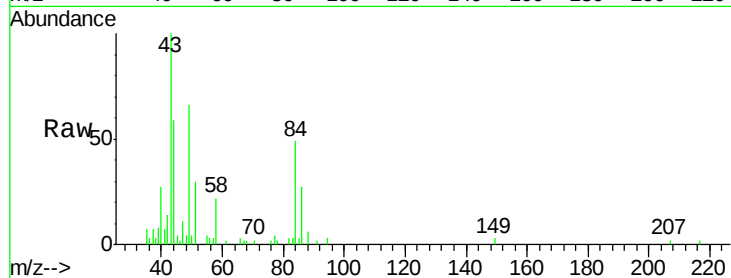
Z-2-2

Tot Ion: 43 Resp: 19480

Ion Ratio Lower Upper

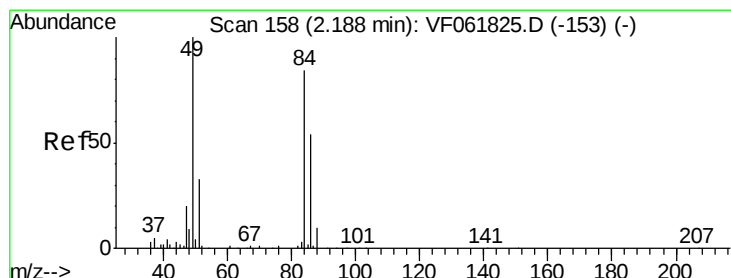
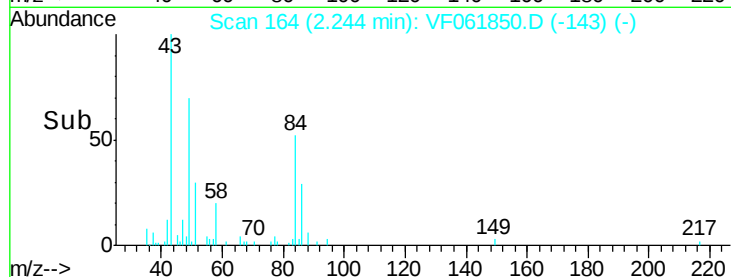
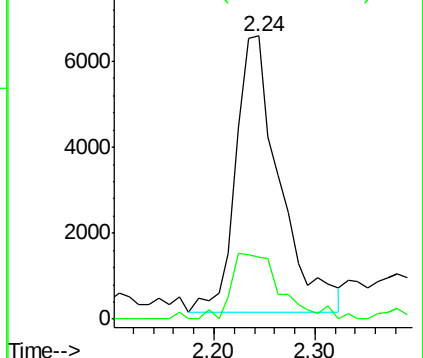
43 100

58 22.1 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: 2.17 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF061850.D

Acq: 5 Mar 2019 17:34

Tgt Ion: 84 Resp: 6568

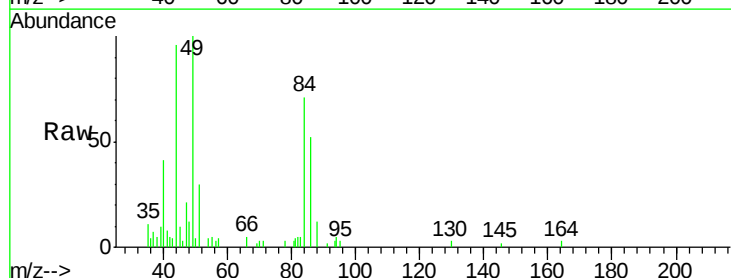
Ion Ratio Lower Upper

84 100

49 141.0 96.8 145.2

51 42.7 31.8 47.6

86 73.6 51.6 77.4

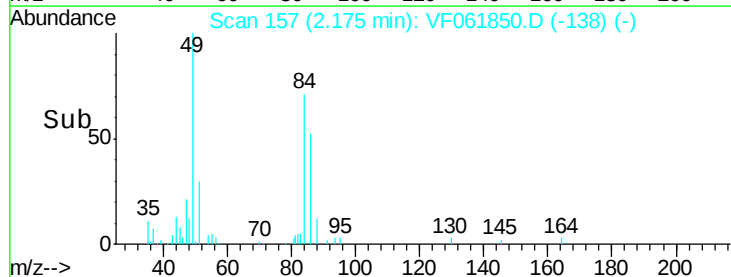
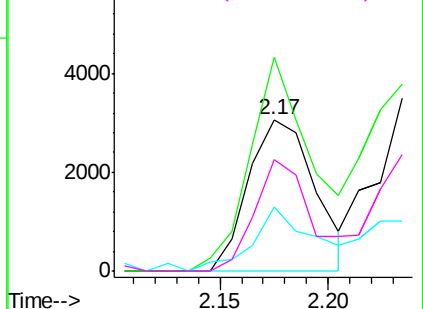


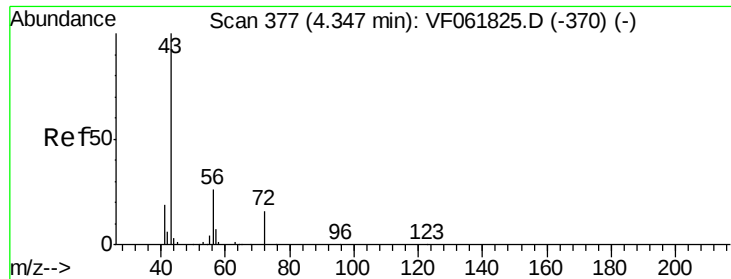
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

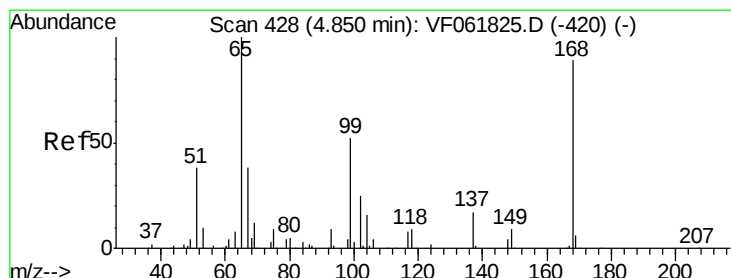
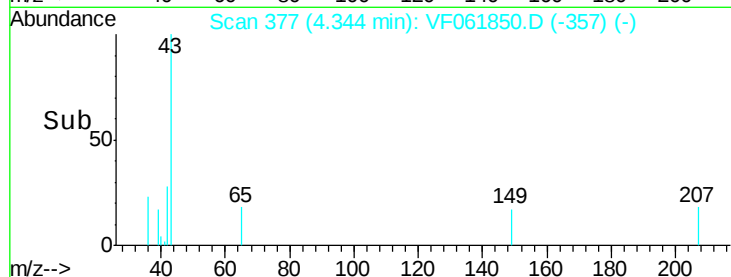
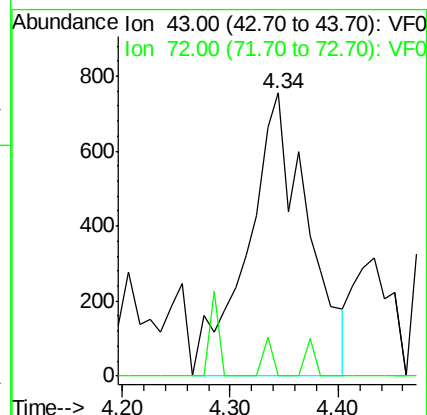
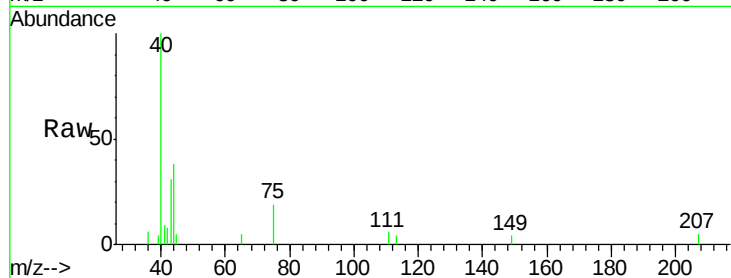




#25
2-Butanone
Concen: 4.106 ug/l
RT: 4.34 min Scan# 377
Delta R.T. -0.00 min
Lab File: VF061850.D
Acq: 5 Mar 2019 17:34

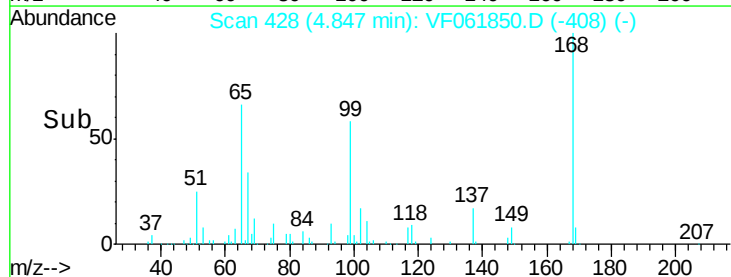
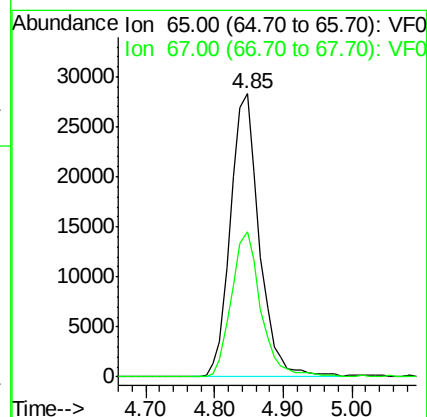
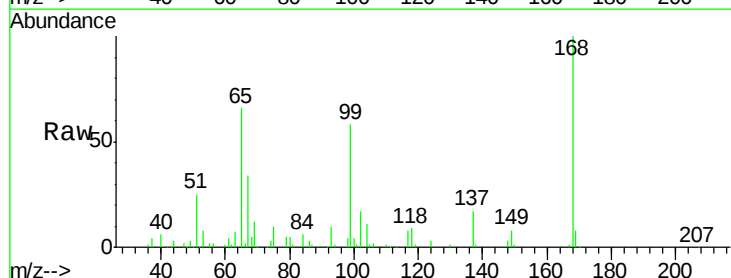
Instrument :
MSVOA_F
ClientSampleId :
Z-2-2

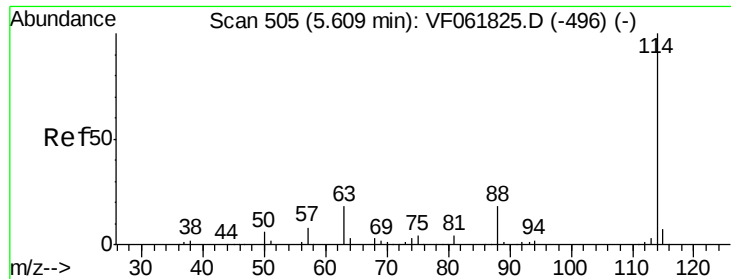
Tot Ion: 43 Resp: 2909
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#



#33
1,2-Dichloroethane-d4
Concen: 49.607 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.00 min
Lab File: VF061850.D
Acq: 5 Mar 2019 17:34

Tgt Ion: 65 Resp: 82481
Ion Ratio Lower Upper
65 100
67 51.3 0.0 108.6

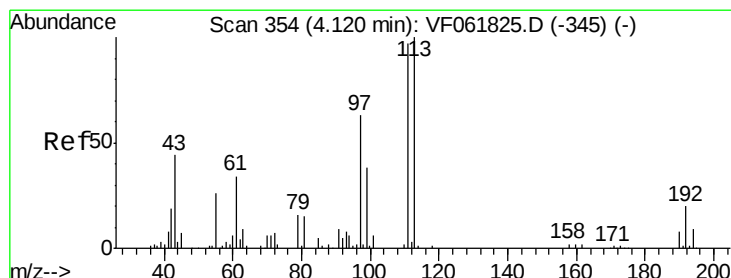
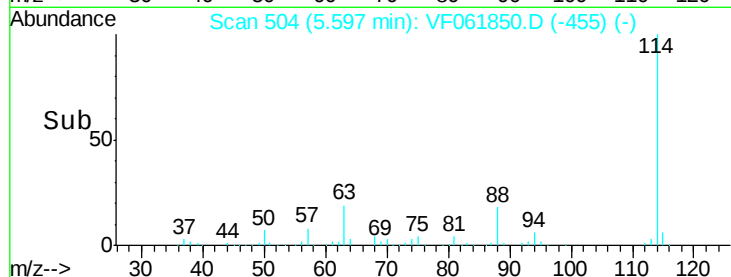
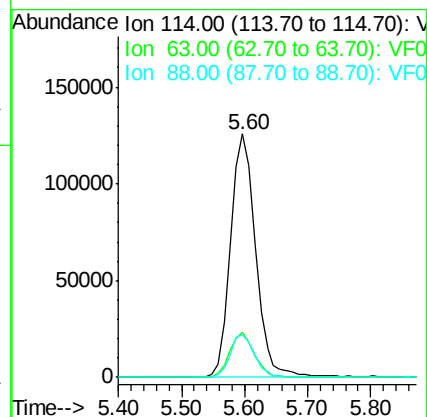
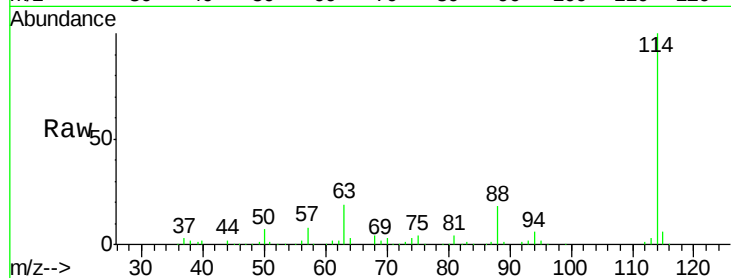




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF061850.D
 Acq: 5 Mar 2019 17:34

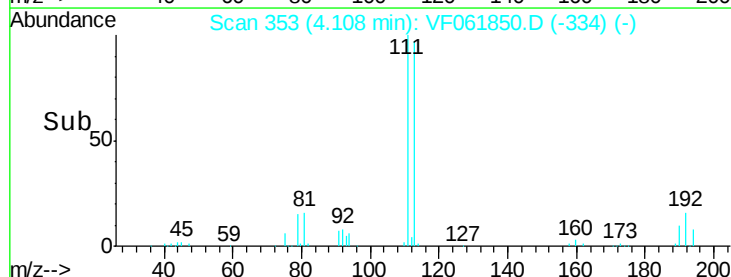
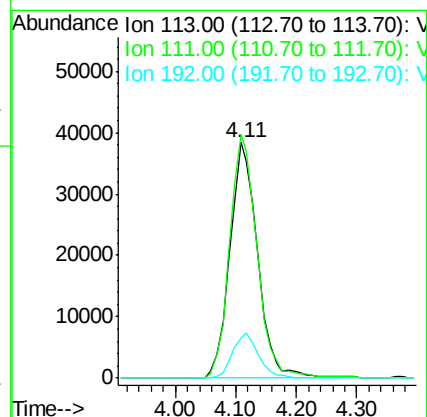
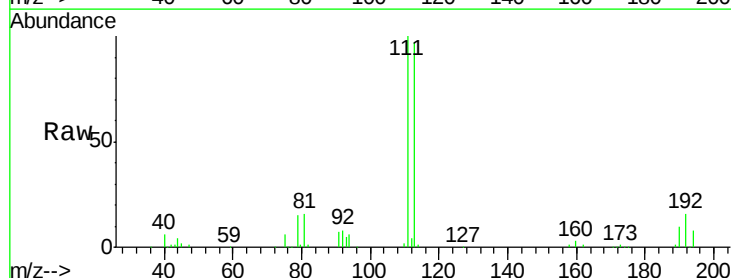
Instrument :
 MSVOA_F
 ClientSampleId :
 Z-2-2

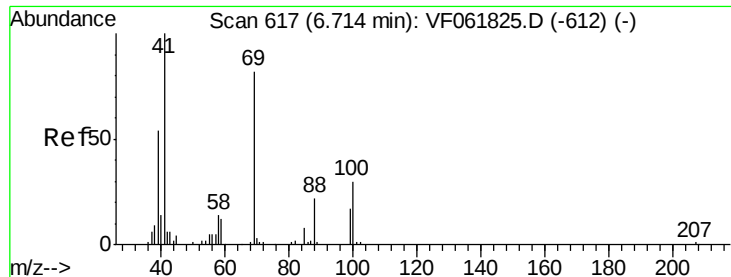
Tot Ion:114 Resp: 346635
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 35.6
 88 17.8 0.0 35.6



#35
 Dibromofluoromethane
 Concen: 50.428 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VF061850.D
 Acq: 5 Mar 2019 17:34

Tgt Ion:113 Resp: 121989
 Ion Ratio Lower Upper
 113 100
 111 103.2 77.6 116.4
 192 16.9 15.9 23.9

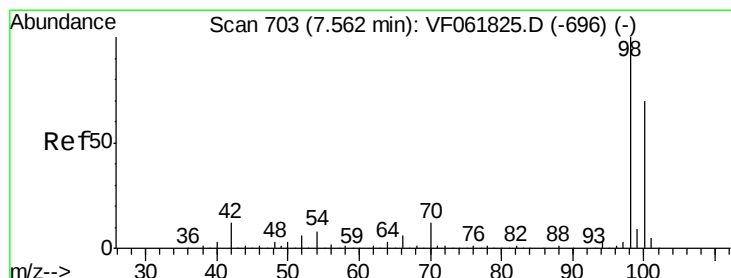
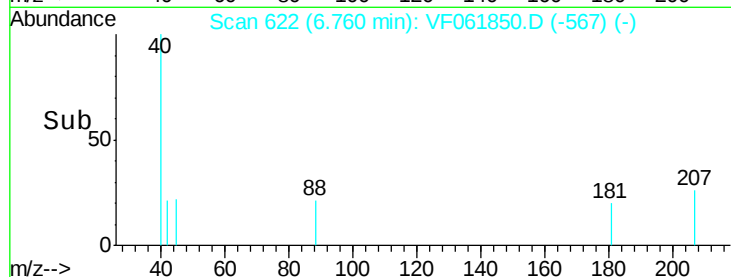
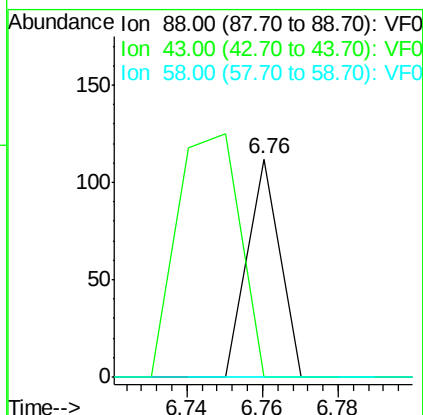
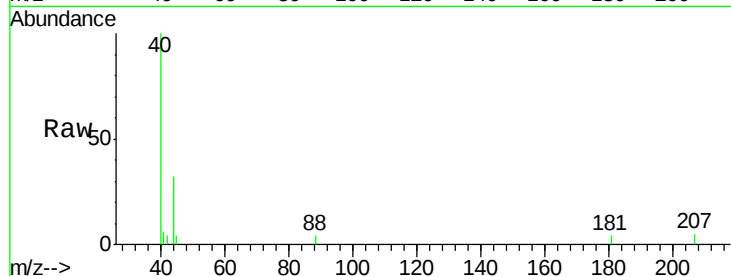




#49
1,4-Dioxane
Concen: 6.734 ug/l
RT: 6.76 min Scan# 622
Delta R.T. 0.05 min
Lab File: VF061850.D
Acq: 5 Mar 2019 17:34

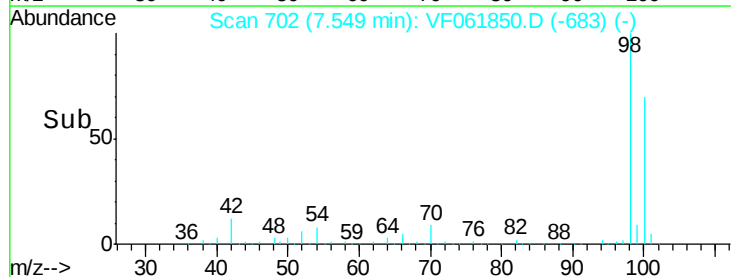
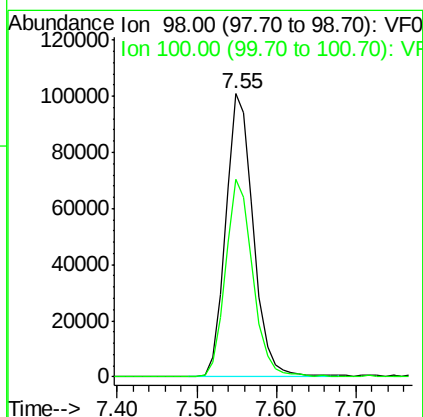
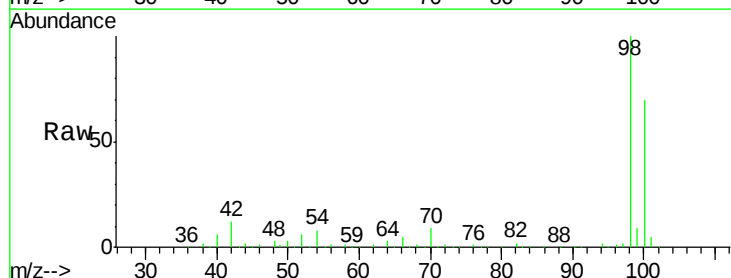
Instrument :
MSVOA_F
ClientSampleId :
Z-2-2

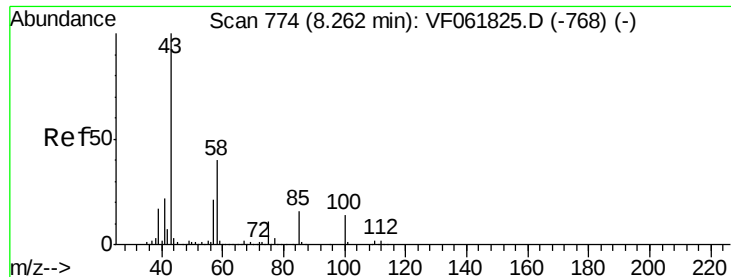
Tot Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 0.0 28.4 42.6#
58 0.0 50.7 76.1#



#50
Toluene-d8
Concen: 34.063 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061850.D
Acq: 5 Mar 2019 17:34

Tgt Ion: 98 Resp: 244918
Ion Ratio Lower Upper
98 100
100 69.6 56.0 84.0





#51

4-Methyl-2-Pentanone

Concen: 1.697 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061850.D

Acq: 5 Mar 2019 17:34

Instrument :

MSVOA_F

ClientSampled :

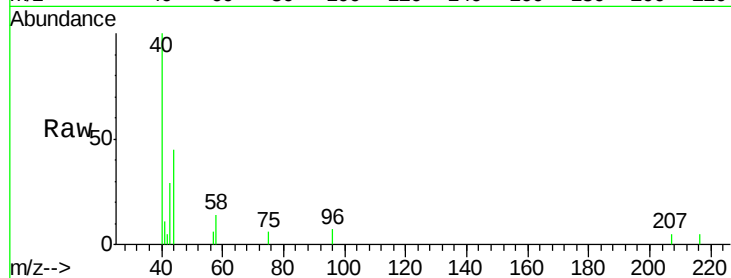
Z-2-2

Tot Ion: 43 Resp: 1987

Ion Ratio Lower Upper

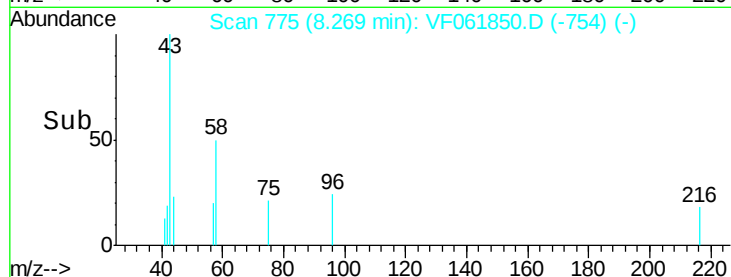
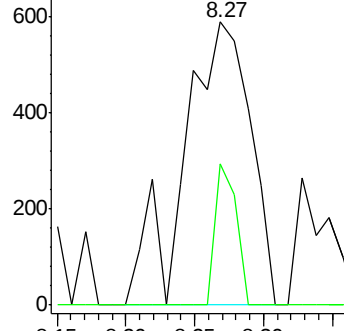
43 100

58 49.8 31.8 47.8#

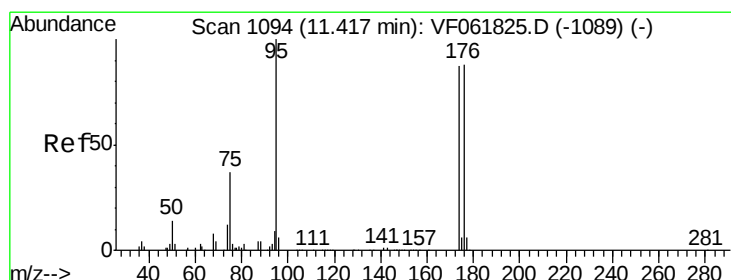


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#62

4-Bromofluorobenzene

Concen: 22.996 ug/l

RT: 11.41 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VF061850.D

Acq: 5 Mar 2019 17:34

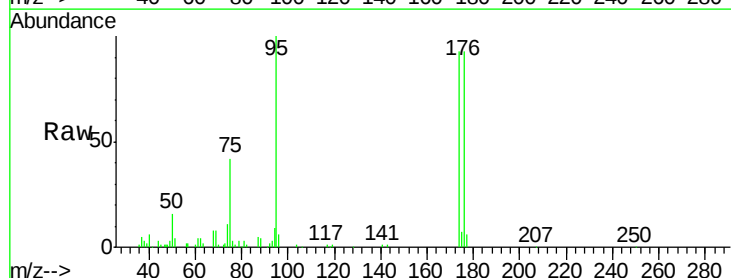
Tgt Ion: 95 Resp: 64770

Ion Ratio Lower Upper

95 100

174 92.6 0.0 174.0

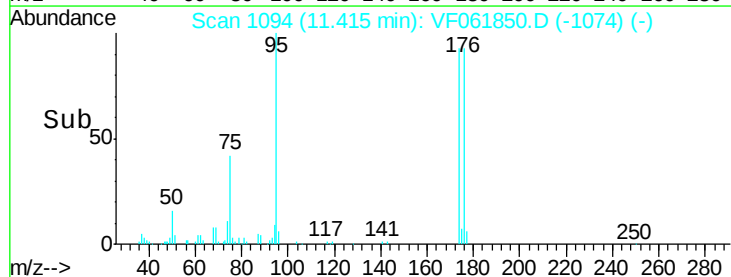
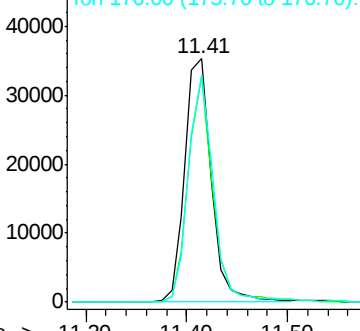
176 93.3 0.0 175.2



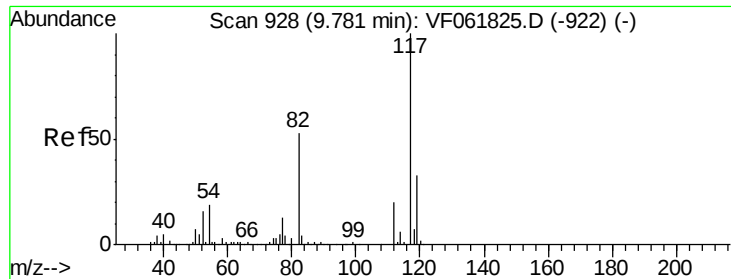
Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



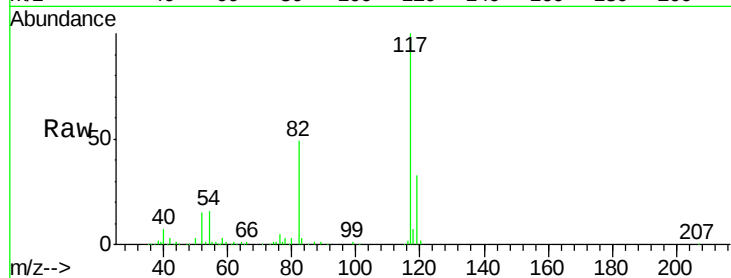
Time-->



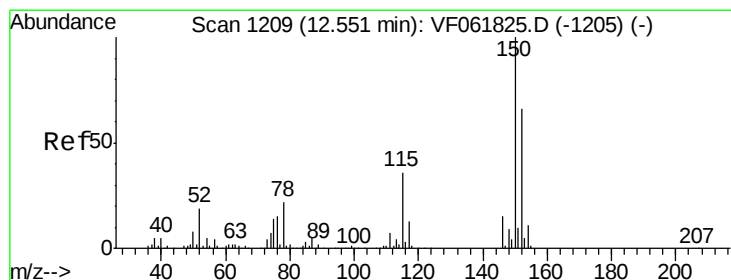
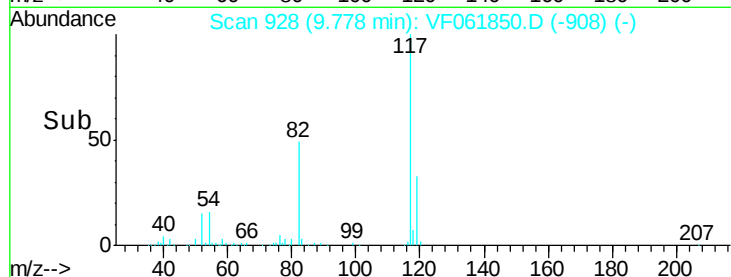
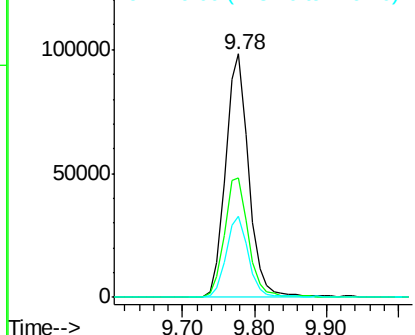
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF061850.D
Acq: 5 Mar 2019 17:34

Instrument :
MSVOA_F
ClientSampleId :
Z-2-2

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.3	42.6	63.8
119	33.1	26.0	39.0

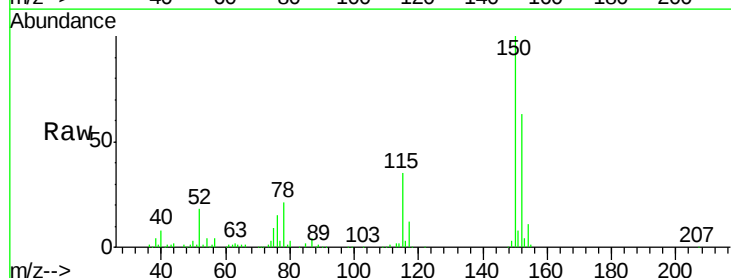


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

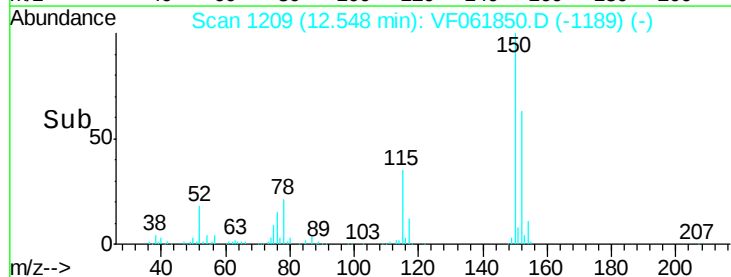
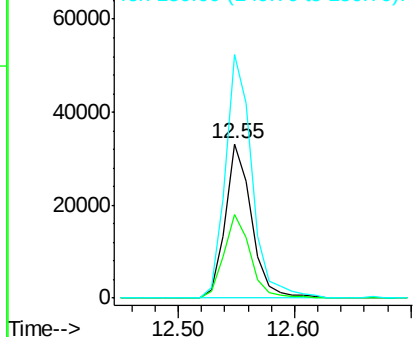


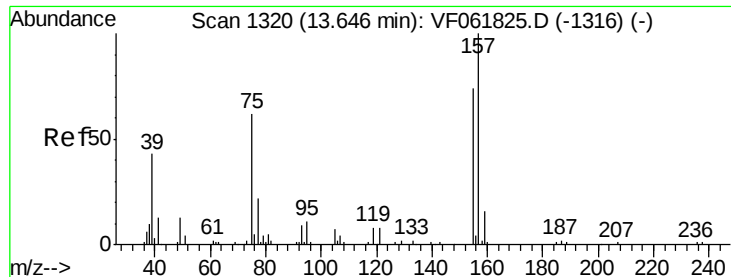
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.00 min
Lab File: VF061850.D
Acq: 5 Mar 2019 17:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.7	83.1
150	157.6	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: 5.156 ug/l

RT: 13.73 min Scan# 1329

Delta R.T. 0.09 min

Lab File: VF061850.D

Acq: 5 Mar 2019 17:34

Instrument :

MSVOA_F

ClientSampleId :

Z-2-2

Tot Ion: 75 Resp: 156

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 0.0 81.2 243.4#

