

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061838.D
 Acq On : 5 Mar 2019 00:40
 Operator : VA/AP
 Sample : K1712-07
 Misc : 5.75u/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 Z-2-1

Quant Time: Mar 05 05:05:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:04:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	238973	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	388919	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	321405	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	149347	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	94830	54.11	ug/l	-0.01
Spiked Amount			Recovery	=	108.22%	
35) Dibromofluoromethane	4.10	113	135702	46.99	ug/l	-0.01
Spiked Amount			Recovery	=	93.98%	
50) Toluene-d8	7.55	98	343426	41.36	ug/l	-0.01
Spiked Amount			Recovery	=	82.72%	
62) 4-Bromofluorobenzene	11.40	95	146140	43.50	ug/l	-0.01
Spiked Amount			Recovery	=	87.00%	

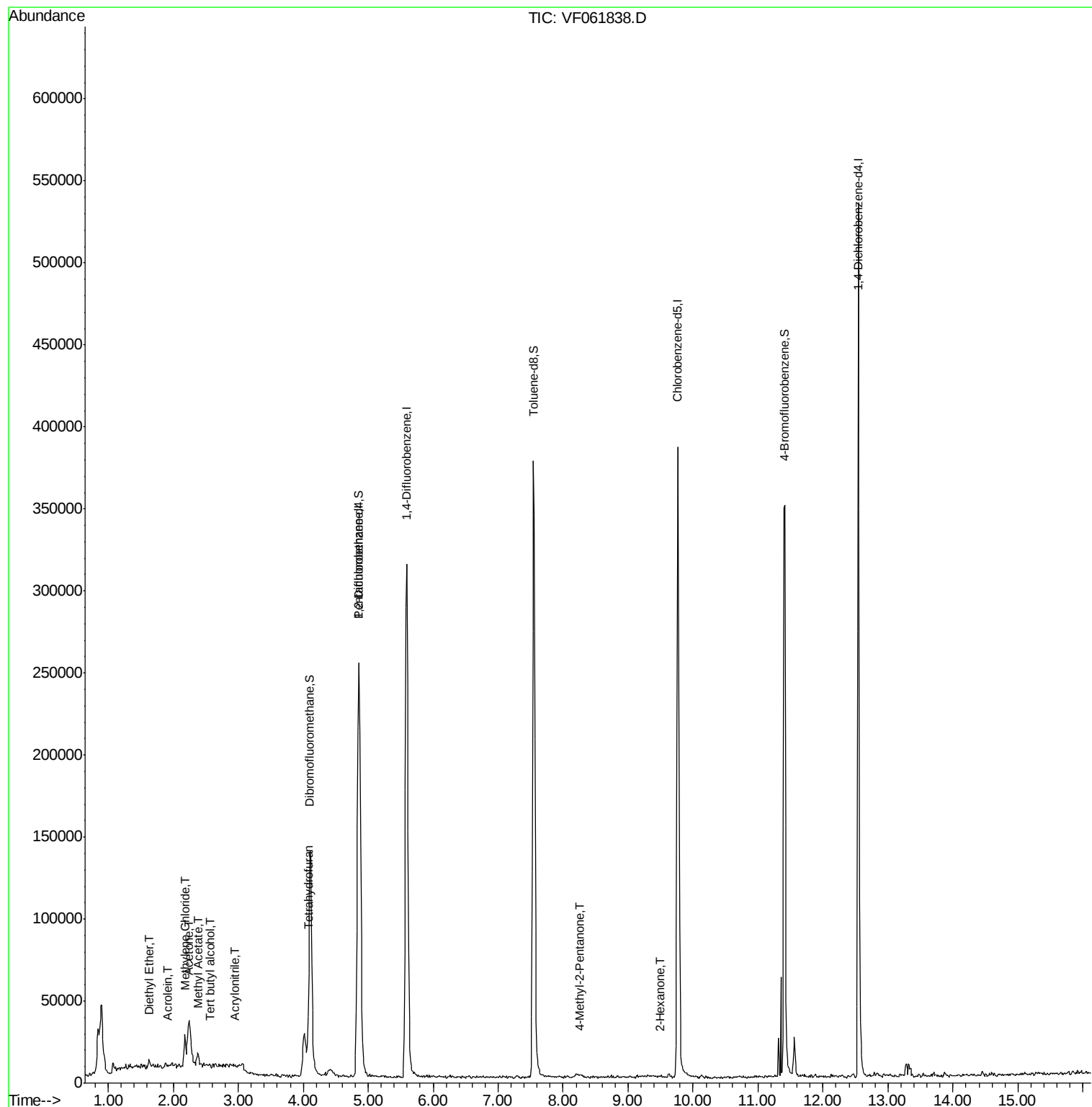
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.63	74	1372	1.686	ug/l	85
11) Tert butyl alcohol	2.58	59	286	2.820	ug/l #	63
13) Acrolein	1.92	56	380	2.981	ug/l	95
15) Acrylonitrile	2.95	53	486	1.351	ug/l #	67
16) Acetone	2.24	43	18458	49.092	ug/l	95
18) Methyl Acetate	2.38	43	4760	5.620	ug/l #	59
20) Methylene Chloride	2.18	84	8622	3.796	ug/l	94
29) Tetrahydrofuran	4.07	42	1834	4.913	ug/l #	73
51) 4-Methyl-2-Pentanone	8.26	43	1618	1.069	ug/l	94
59) 2-Hexanone	9.49	43	1197	1.128	ug/l #	59

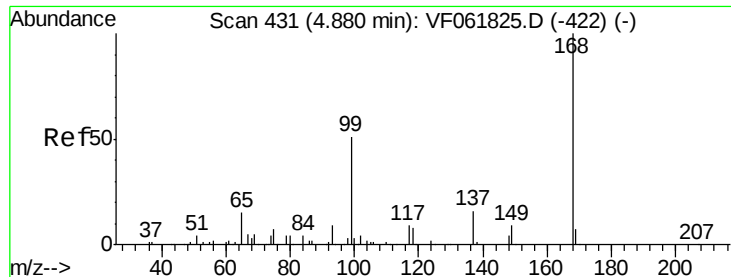
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030419\
Data File : VF061838.D
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Operator : VA/AP
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Misc : 5.75g/5mL/MSVOA-F/SOIL
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Quant Time: Mar 05 05:05:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:04:51 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061838.D

Acq: 5 Mar 2019 00:40

Instrument :

MSVOA_F

ClientSampleId :

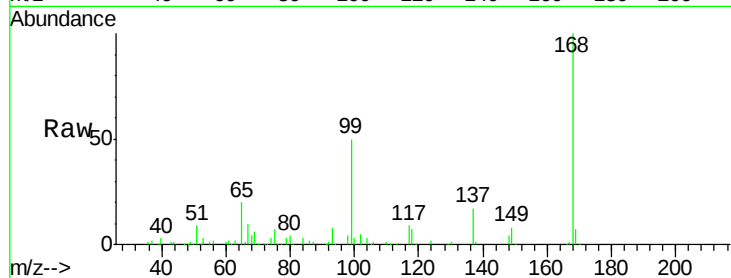
Z-2-1

Tot Ion:168 Resp: 238973

Ion Ratio Lower Upper

168 100

99 50.0 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

60000

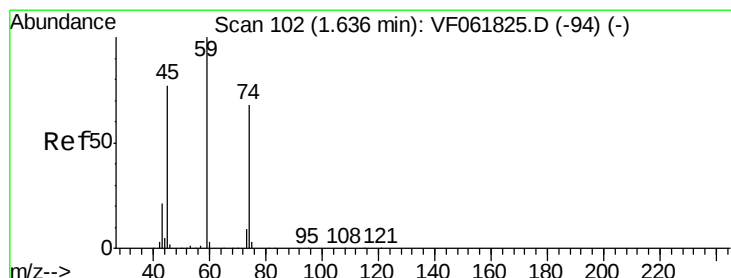
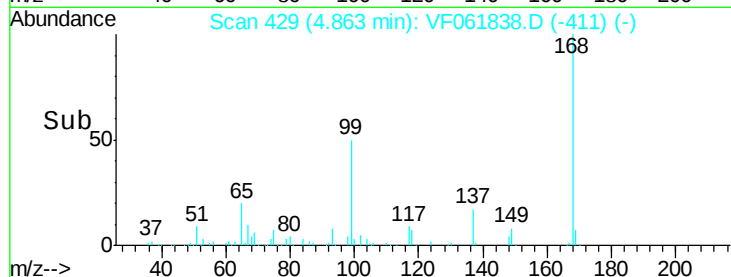
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#8

Diethyl Ether

Concen: 1.686 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061838.D

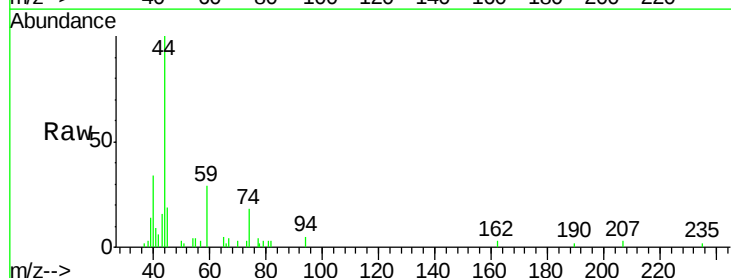
Acq: 5 Mar 2019 00:40

Tgt Ion: 74 Resp: 1372

Ion Ratio Lower Upper

74 100

45 104.7 60.8 182.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.63

1000

800

600

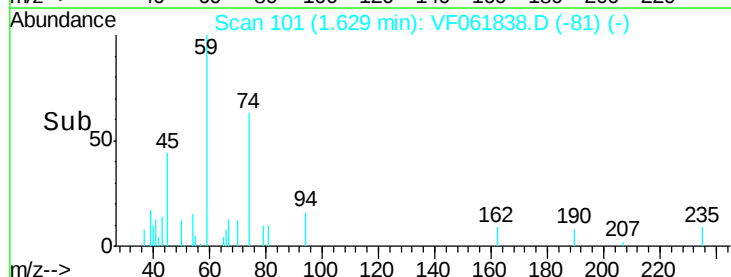
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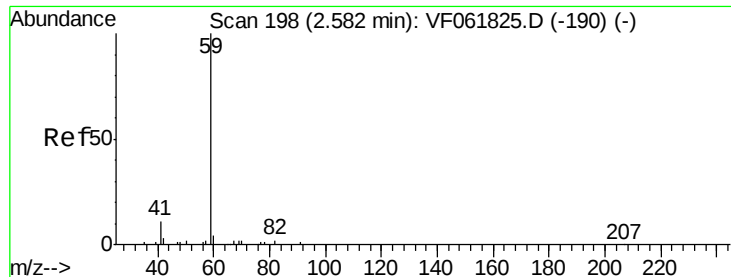
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Time-->

1.60 1.65

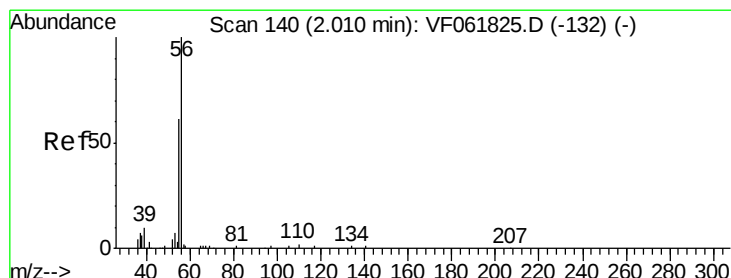
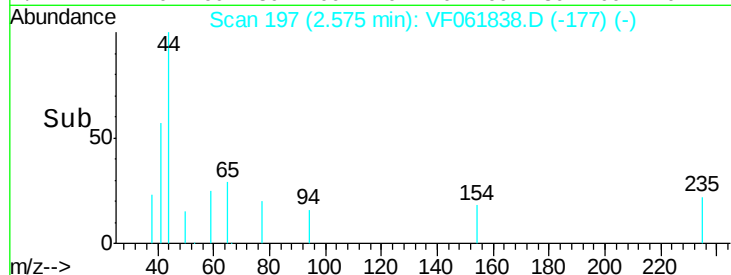
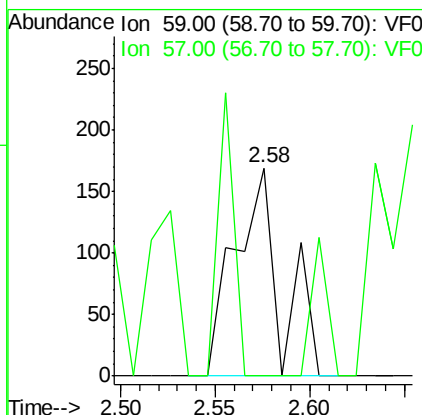
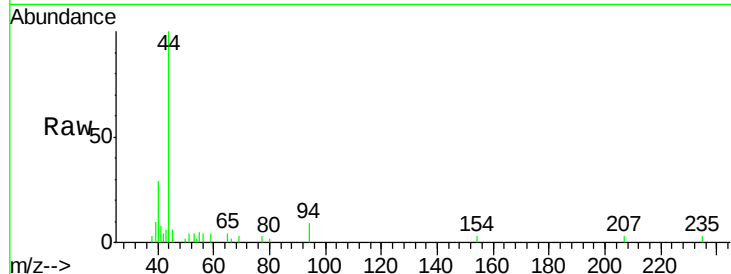




#11
Tert butyl alcohol
Concen: 2.820 ug/l
RT: 2.58 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061838.D
Acq: 5 Mar 2019 00:40

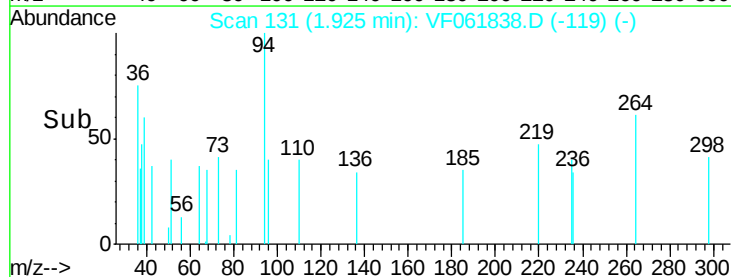
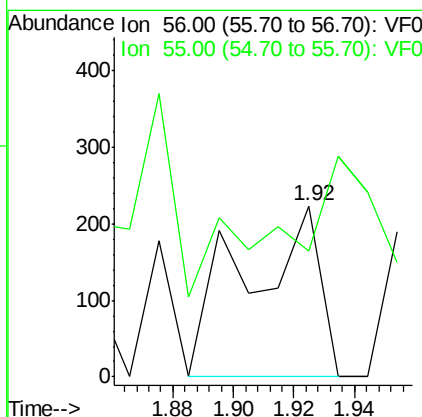
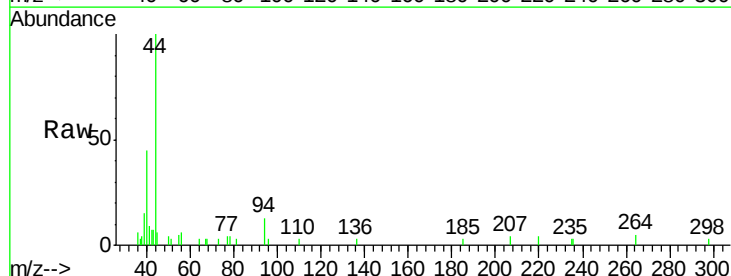
Instrument :
MSVOA_F
ClientSampled :
Z-2-1

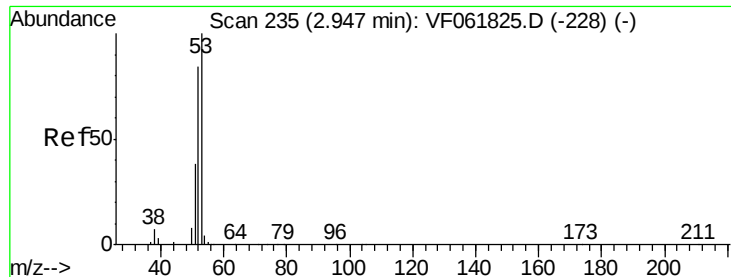
Tot Ion: 59 Resp: 286
Ion Ratio Lower Upper
59 100
57 0.0 12.5 18.7#



#13
Acrolein
Concen: 2.981 ug/l
RT: 1.92 min Scan# 131
Delta R.T. -0.08 min
Lab File: VF061838.D
Acq: 5 Mar 2019 00:40

Tgt Ion: 56 Resp: 380
Ion Ratio Lower Upper
56 100
55 73.2 55.0 82.6





#15

Acrylonitrile

Concen: 1.351 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF061838.D

Acq: 5 Mar 2019 00:40

Instrument :

MSVOA_F

ClientSampleId :

Z-2-1

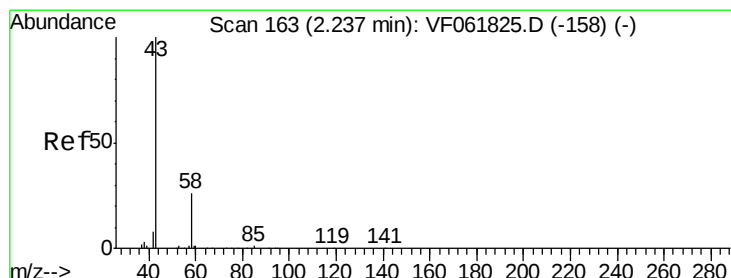
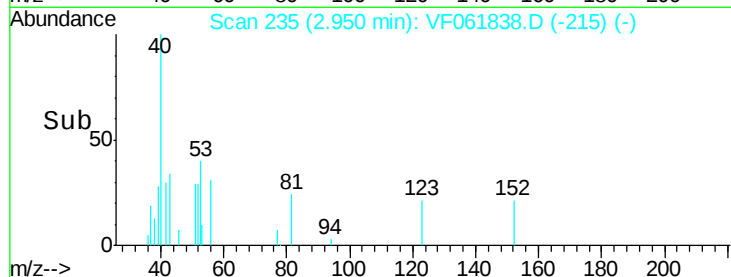
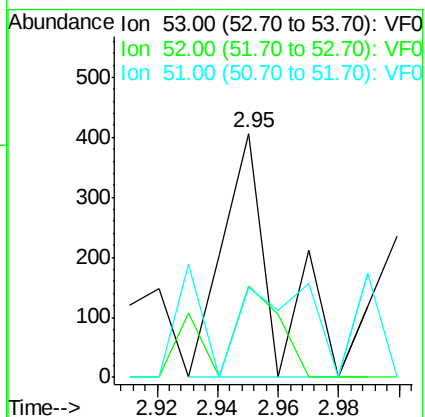
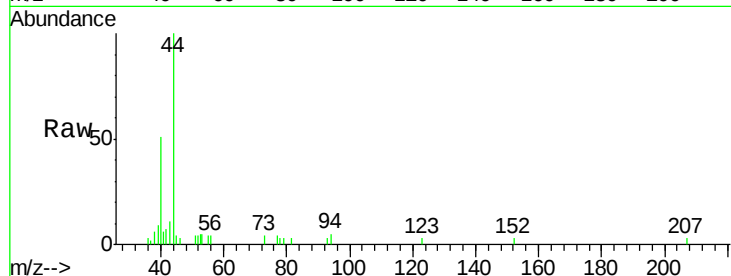
Tot Ion: 53 Resp: 486

Ion Ratio Lower Upper

53 100

52 37.4 64.6 97.0#

51 37.2 29.8 44.8



#16

Acetone

Concen: 49.092 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061838.D

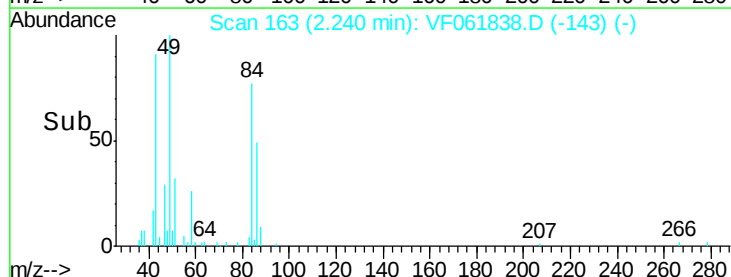
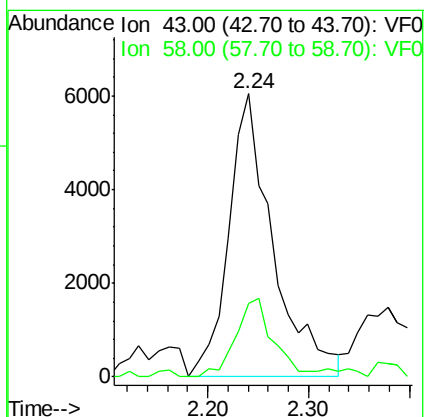
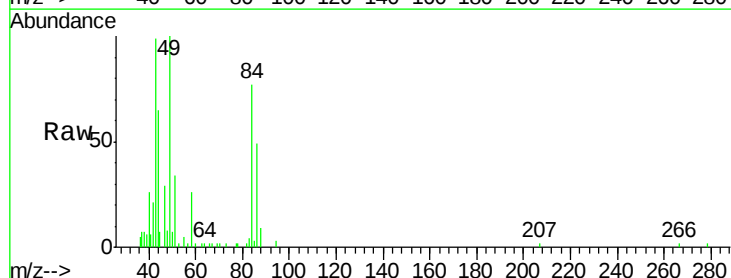
Acq: 5 Mar 2019 00:40

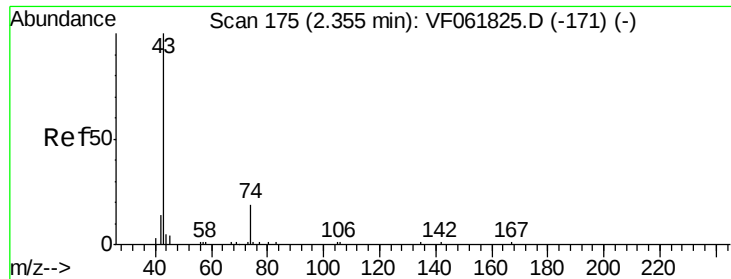
Tgt Ion: 43 Resp: 18458

Ion Ratio Lower Upper

43 100

58 25.8 22.9 34.3

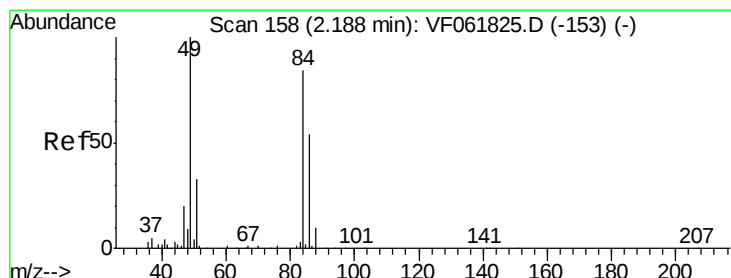
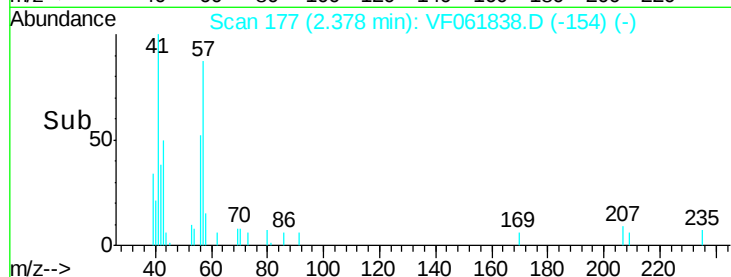
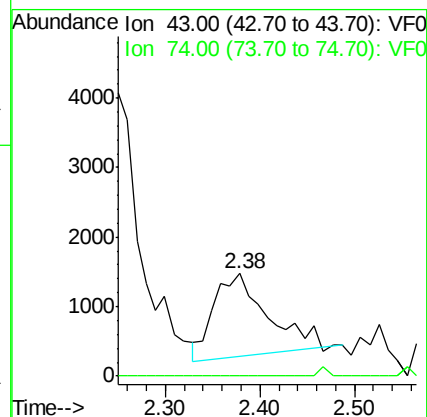
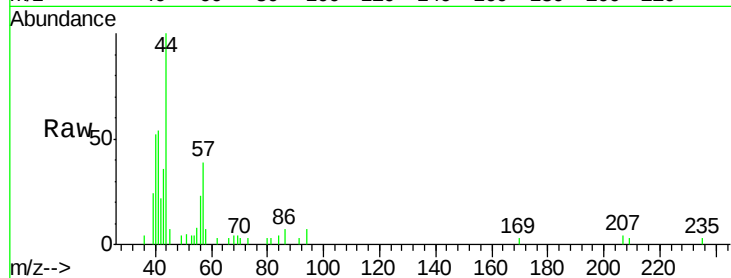




#18
Methyl Acetate
Concen: 5.620 ug/l
RT: 2.38 min Scan# 177
Delta R.T. 0.02 min
Lab File: VF061838.D
Acq: 5 Mar 2019 00:40

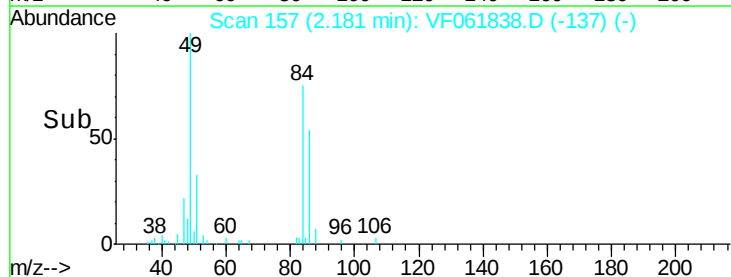
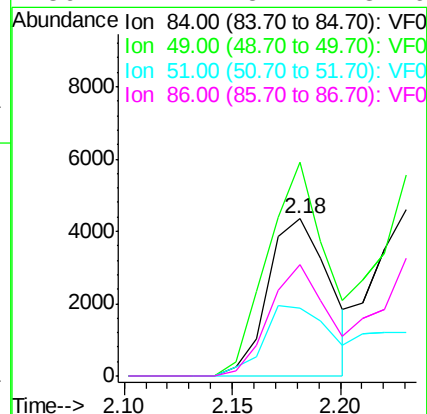
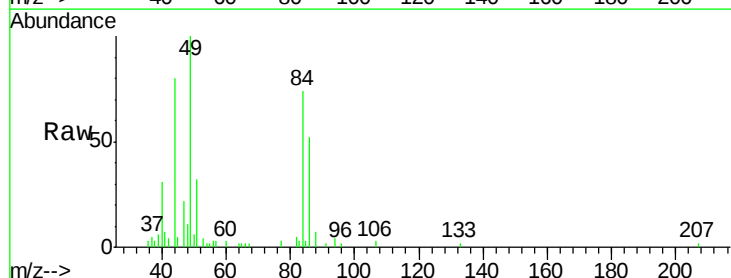
Instrument :
MSVOA_F
ClientSampled :
Z-2-1

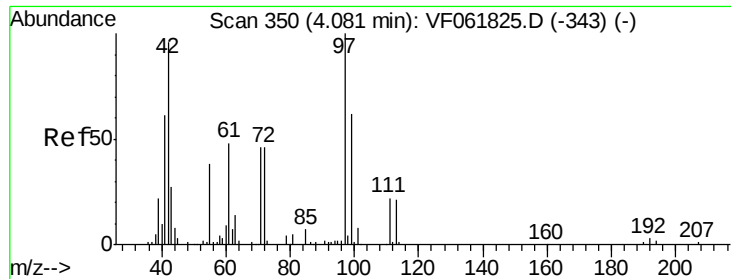
Tot Ion: 43 Resp: 4760
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#20
Methylene Chloride
Concen: 3.796 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF061838.D
Acq: 5 Mar 2019 00:40

Tgt Ion: 84 Resp: 8622
Ion Ratio Lower Upper
84 100
49 136.1 101.8 152.8
51 43.1 31.1 46.7
86 71.2 54.4 81.6

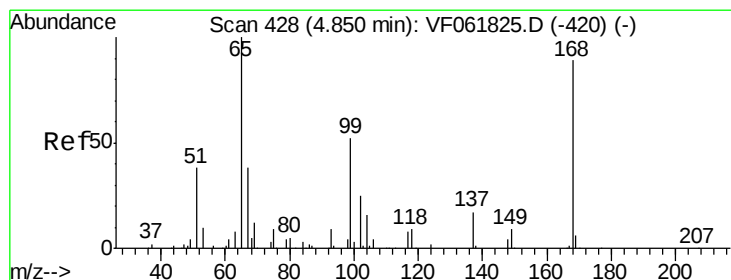
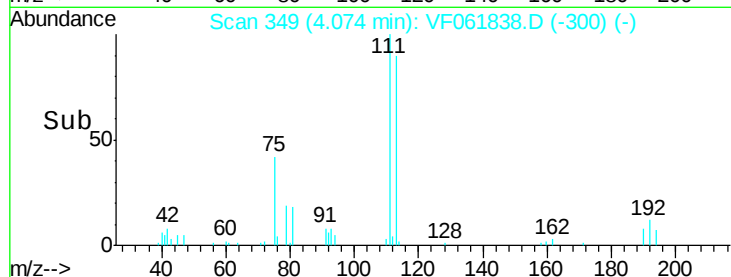
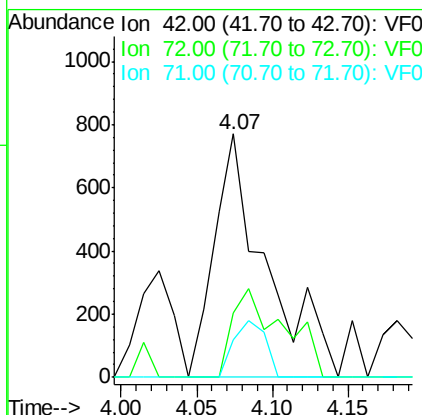
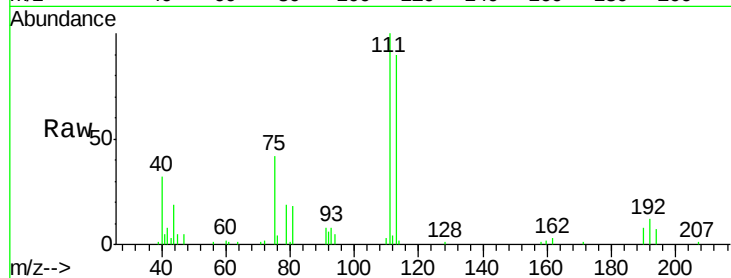




#29
Tetrahydrofuran
Concen: 4.913 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.01 min
Lab File: VF061838.D
Acq: 5 Mar 2019 00:40

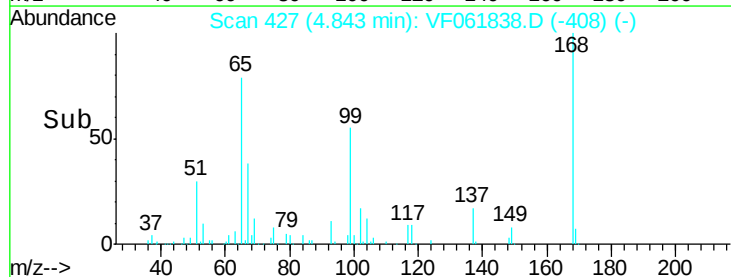
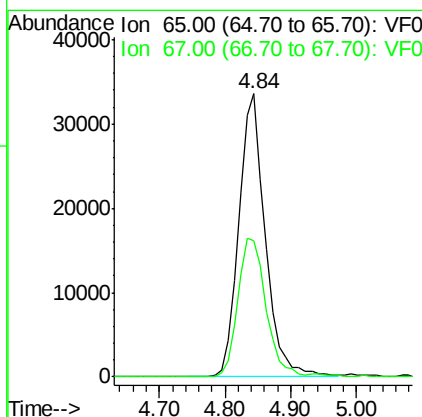
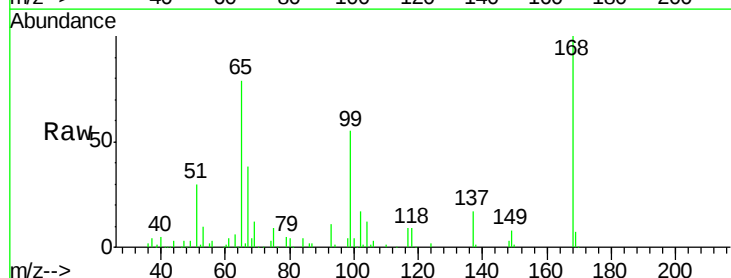
Instrument :
MSVOA_F
ClientSampled :
Z-2-1

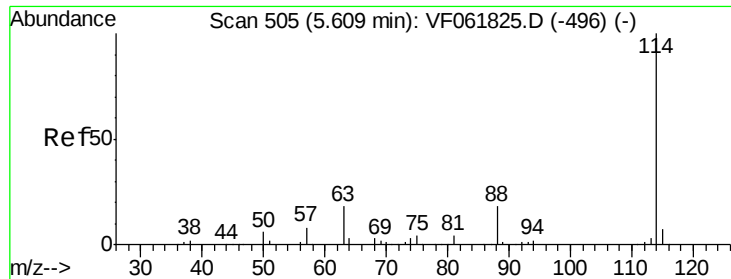
Tot Ion: 42 Resp: 1834
Ion Ratio Lower Upper
42 100
72 36.2 35.2 52.8
71 14.2 32.9 49.3#



#33
1,2-Dichloroethane-d4
Concen: 54.114 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.01 min
Lab File: VF061838.D
Acq: 5 Mar 2019 00:40

Tgt Ion: 65 Resp: 94830
Ion Ratio Lower Upper
65 100
67 48.2 0.0 104.0

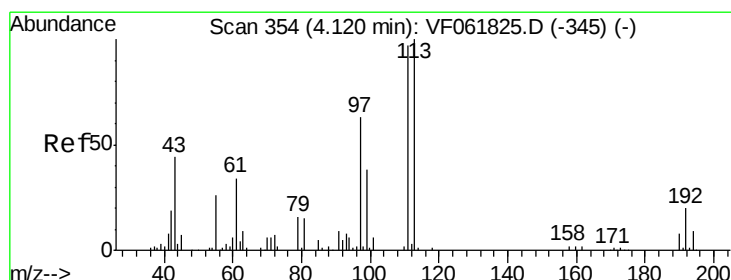
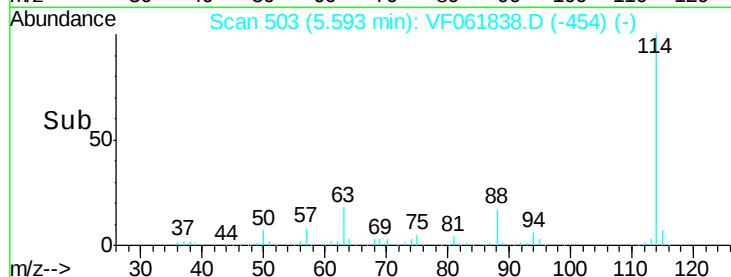
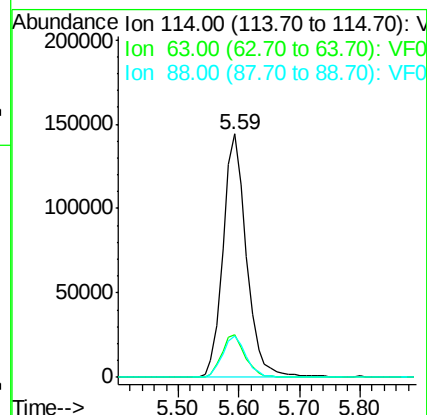
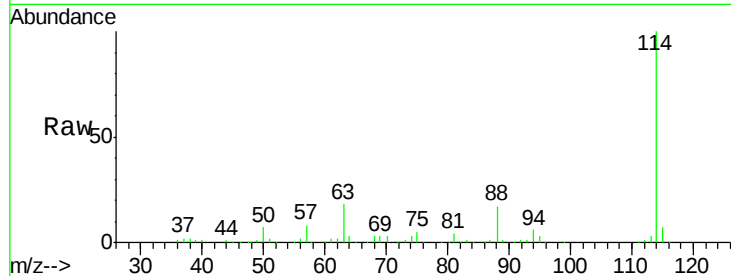




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF061838.D
 Acq: 5 Mar 2019 00:40

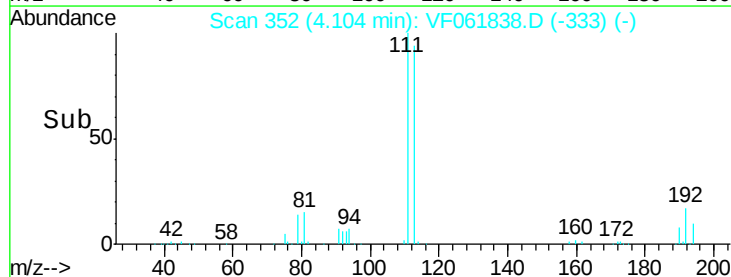
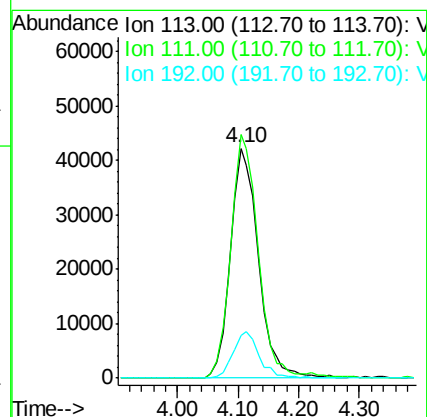
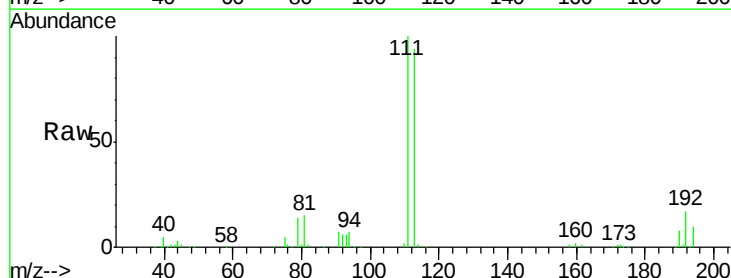
Instrument :
 MSVOA_F
 ClientSampleId :
 Z-2-1

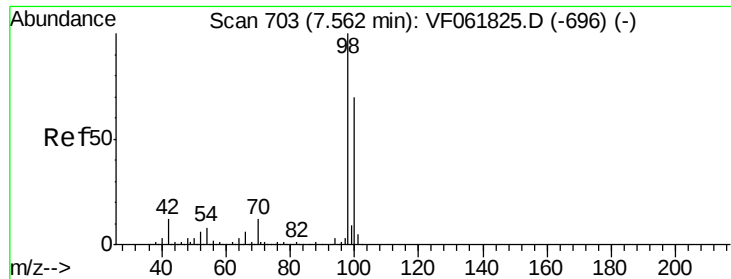
Tot Ion:114 Resp: 388919
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.6
 88 17.0 0.0 34.4



#35
 Dibromofluoromethane
 Concen: 46.986 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VF061838.D
 Acq: 5 Mar 2019 00:40

Tgt Ion:113 Resp: 135702
 Ion Ratio Lower Upper
 113 100
 111 106.0 78.8 118.2
 192 18.9 13.4 20.0





#50

Toluene-d8

Concen: 41.364 ug/l

RT: 7.55 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF061838.D

Acq: 5 Mar 2019 00:40

Instrument :

MSVOA_F

ClientSampleId :

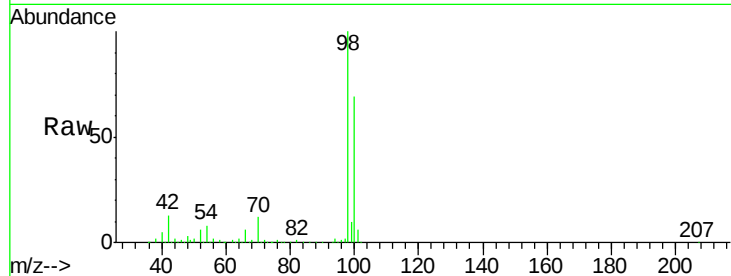
Z-2-1

Tot Ion: 98 Resp: 343426

Ion Ratio Lower Upper

98 100

100 68.6 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.55

150000

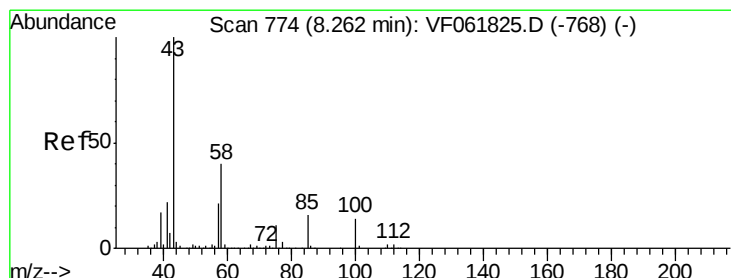
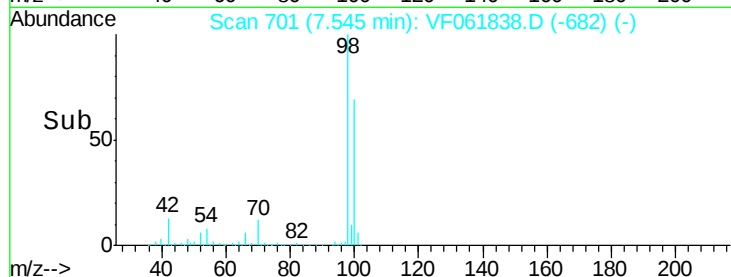
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50000

0

7.40 7.50 7.60 7.70

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.069 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.01 min

Lab File: VF061838.D

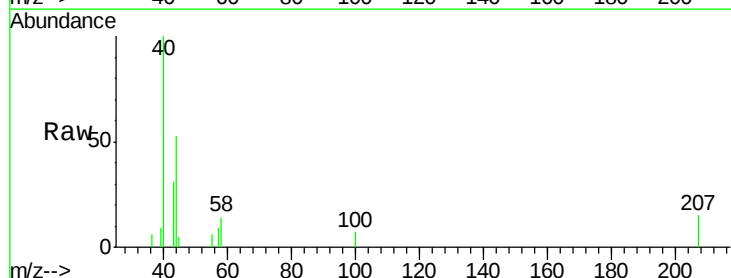
Acq: 5 Mar 2019 00:40

Tgt Ion: 43 Resp: 1618

Ion Ratio Lower Upper

43 100

58 45.1 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.26

600

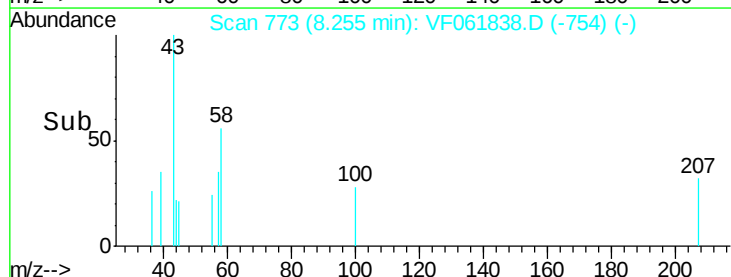
400

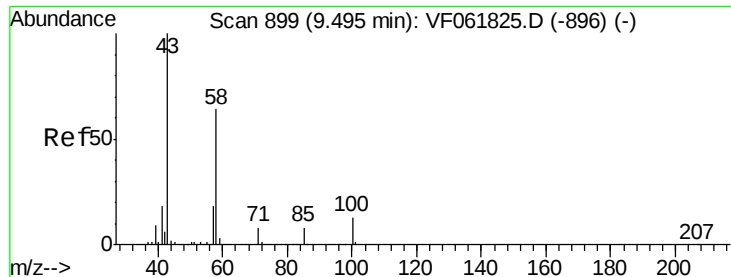
200

0

8.20 8.25 8.30

Time-->

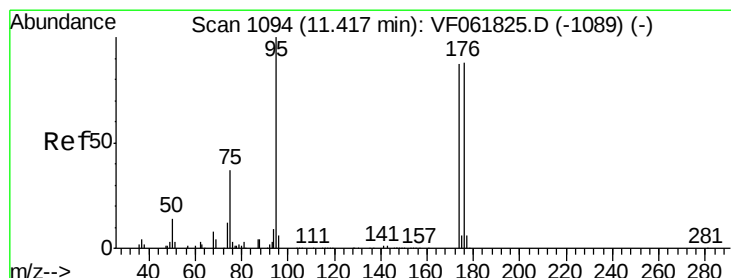
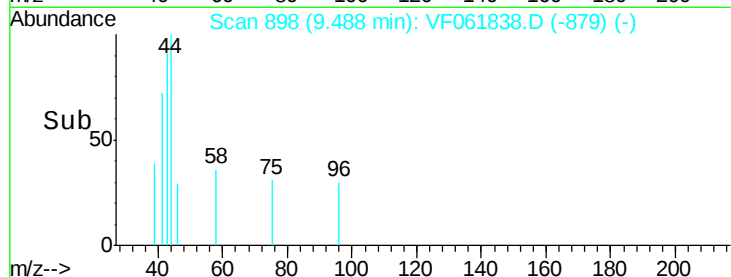
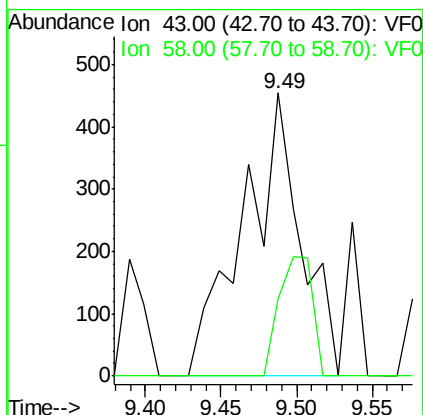
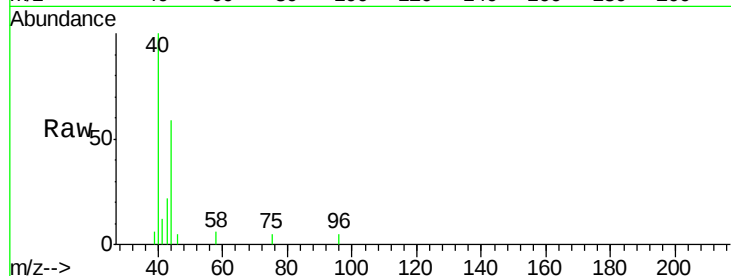




#59
2-Hexanone
Concen: 1.128 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF061838.D
Acq: 5 Mar 2019 00:40

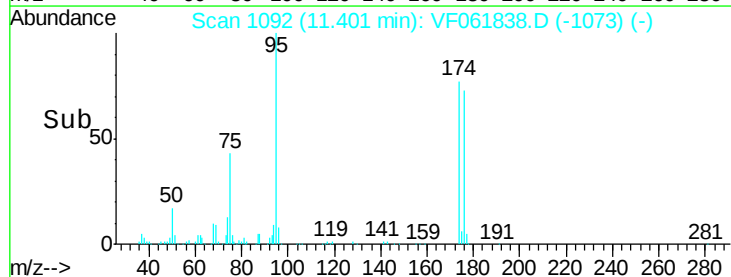
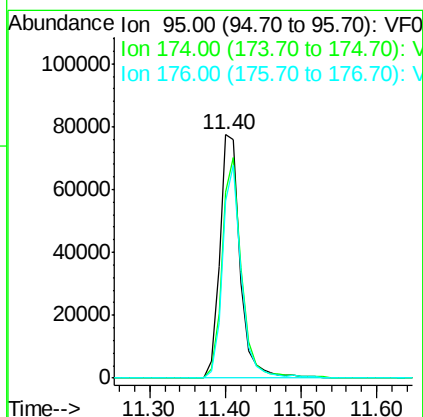
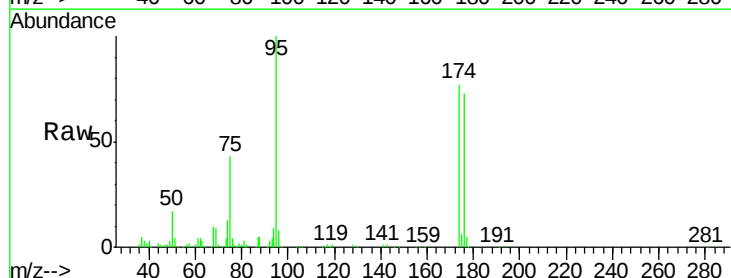
Instrument :
MSVOA_F
ClientSampled :
Z-2-1

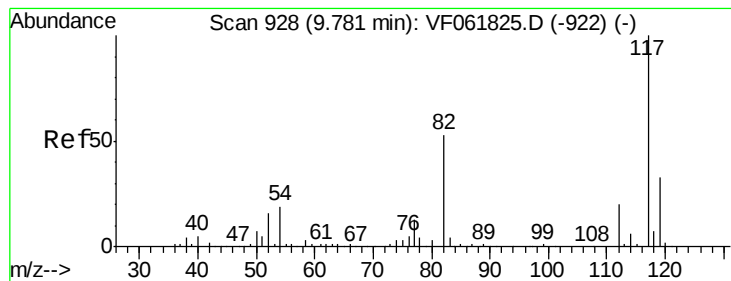
Tot Ion: 43 Resp: 1197
Ion Ratio Lower Upper
43 100
58 27.1 28.5 85.5#



#62
4-Bromofluorobenzene
Concen: 43.502 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF061838.D
Acq: 5 Mar 2019 00:40

Tgt Ion: 95 Resp: 146140
Ion Ratio Lower Upper
95 100
174 76.5 0.0 165.8
176 72.7 0.0 167.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.01 min

Lab File: VF061838.D

Acq: 5 Mar 2019 00:40

Instrument :

MSVOA_F

ClientSampleId :

Z-2-1

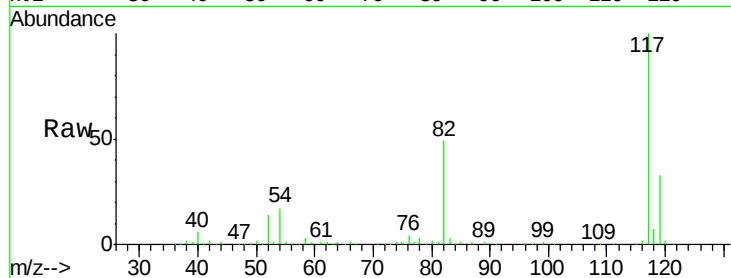
Tot Ion:117 Resp: 321405

Ion Ratio Lower Upper

117 100

82 49.2 39.3 58.9

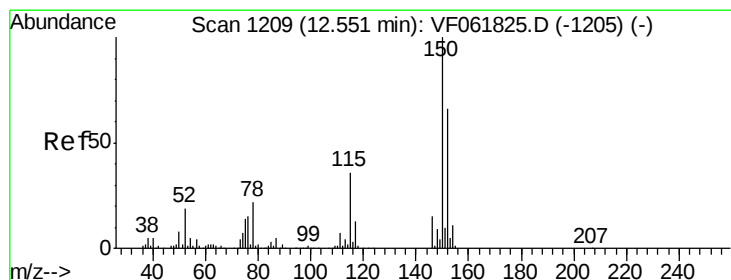
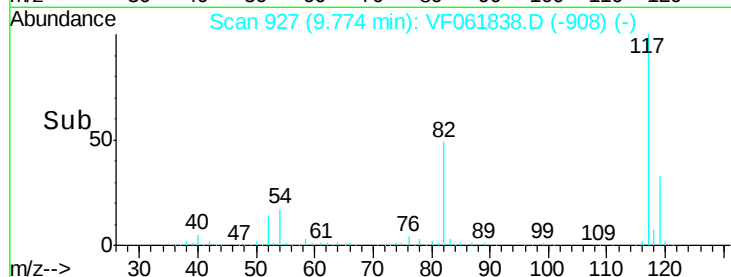
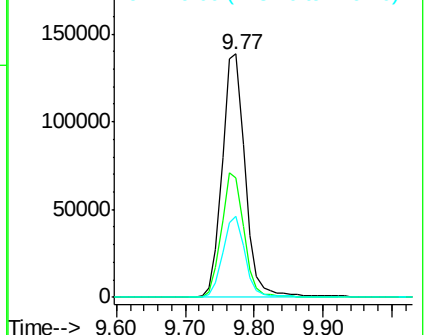
119 33.3 26.6 40.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061838.D

Acq: 5 Mar 2019 00:40

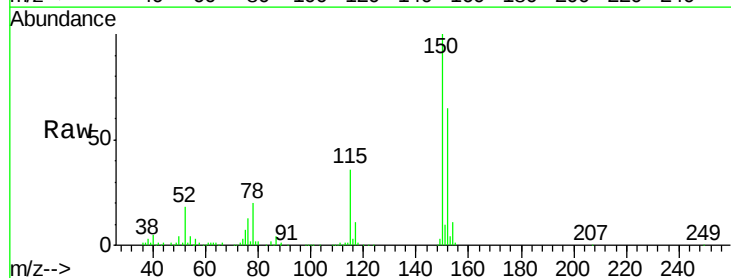
Tgt Ion:152 Resp: 149347

Ion Ratio Lower Upper

152 100

115 55.1 24.3 72.8

150 153.2 0.0 312.0



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

