

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\
 Data File : VF061400.D
 Acq On : 14 Jan 2019 20:25
 Operator : VA/AP
 Sample : K1139-15
 Misc : 3.16g/5mL/MSVOA-F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jan 14 21:43:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	47995	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	69157	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	43011	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	9669	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	15823	29.62	ug/l	-0.01
Spiked Amount			Recovery	=	59.24%	
35) Dibromofluoromethane	4.10	113	23880	45.13	ug/l	-0.01
Spiked Amount			Recovery	=	90.26%	
50) Toluene-d8	7.54	98	68695	43.87	ug/l	-0.02
Spiked Amount			Recovery	=	87.74%	
62) 4-Bromofluorobenzene	11.40	95	13315	19.47	ug/l	-0.01
Spiked Amount			Recovery	=	38.94%	

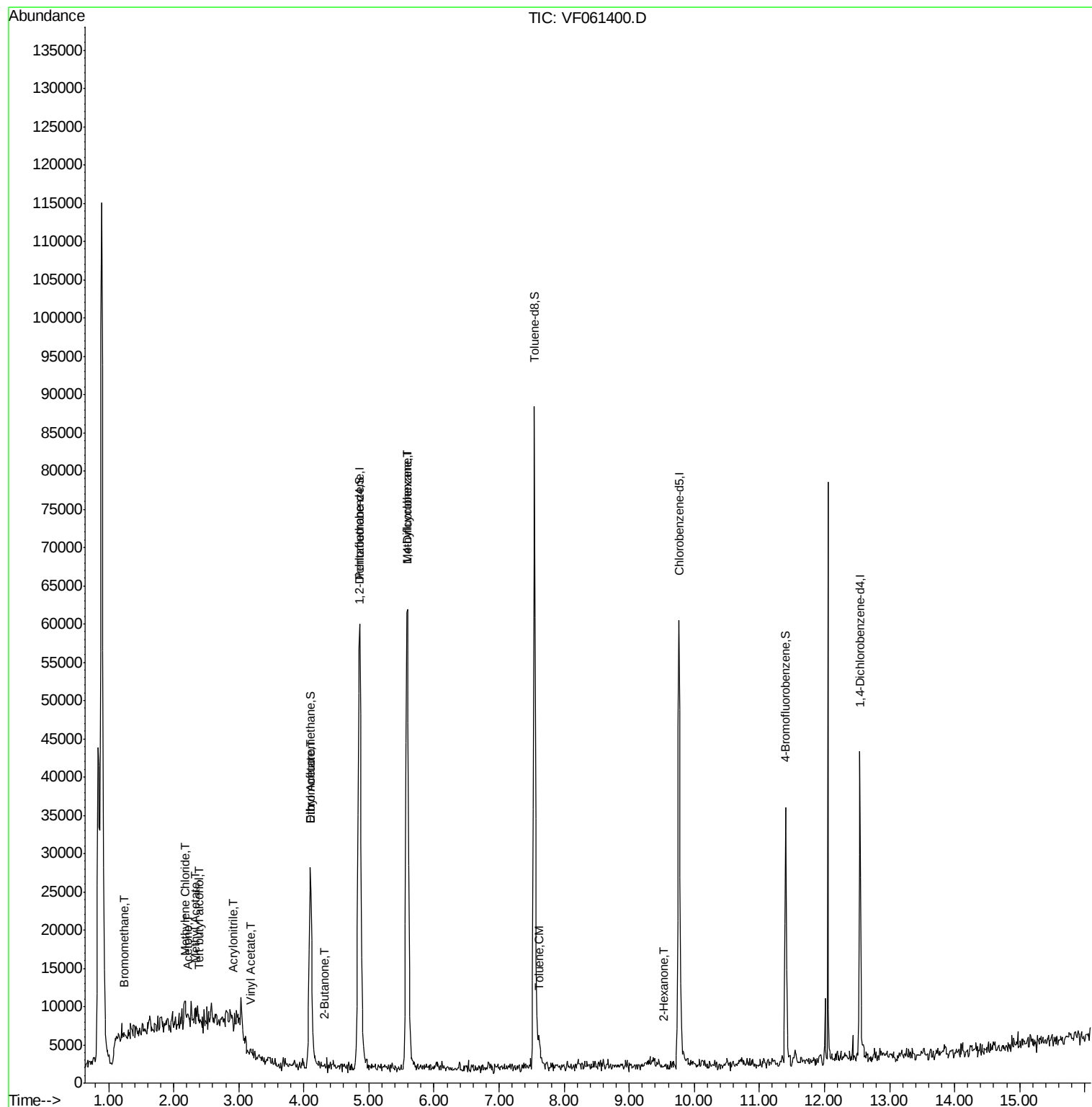
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.25	94	481	3.648	ug/l #	6
11) Tert butyl alcohol	2.38	59	62	2.899	ug/l #	1
13) Acrolein	1.97	56	417	Below Cal		97
15) Acrylonitrile	2.92	53	292	3.851	ug/l #	12
16) Acetone	2.22	43	951	7.653	ug/l #	71
18) Methyl Acetate	2.32	43	272	1.112	ug/l #	90
20) Methylene Chloride	2.19	84	1415	2.691	ug/l #	31
23) Vinyl Acetate	3.18	43	959	1.839	ug/l #	77
25) 2-Butanone	4.33	43	239	1.195	ug/l #	56
37) Ethyl Acetate	4.11	43	326	1.108	ug/l #	1
39) Methylcyclohexane	5.59	83	1185	1.173	ug/l #	15
52) Toluene	7.61	92	2165	1.786	ug/l #	66
59) 2-Hexanone	9.52	43	271	1.305	ug/l #	27

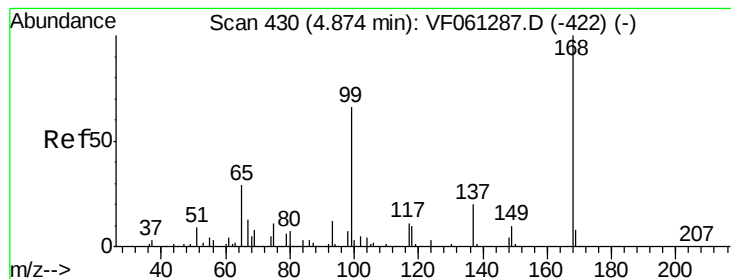
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 14 21:43:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061400.D

Acq: 14 Jan 2019 20:25

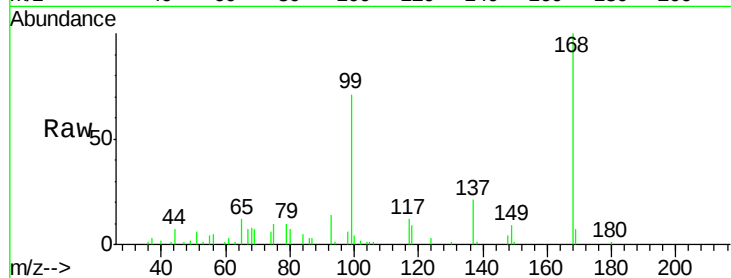
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 47995

Ion Ratio Lower Upper

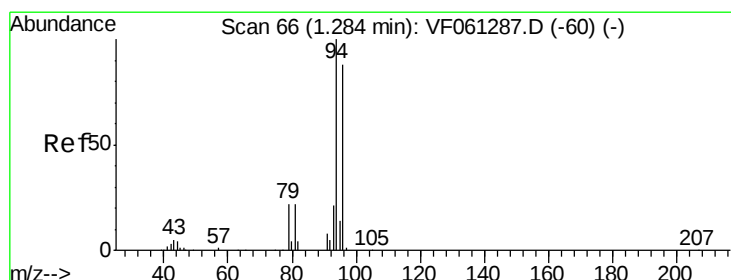
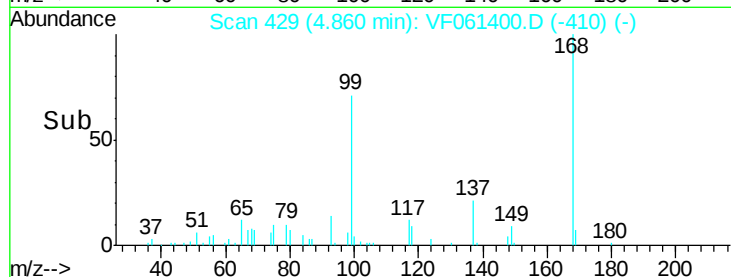
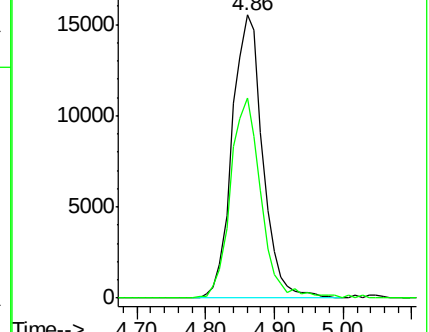
168 100

99 70.5 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#5

Bromomethane

Concen: 3.648 ug/l

RT: 1.25 min Scan# 63

Delta R.T. -0.03 min

Lab File: VF061400.D

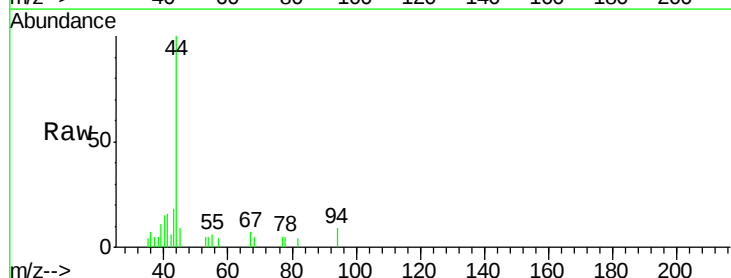
Acq: 14 Jan 2019 20:25

Tgt Ion: 94 Resp: 481

Ion Ratio Lower Upper

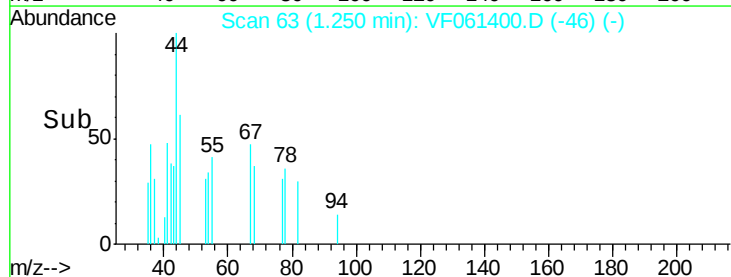
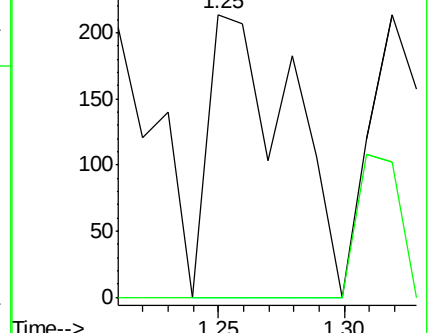
94 100

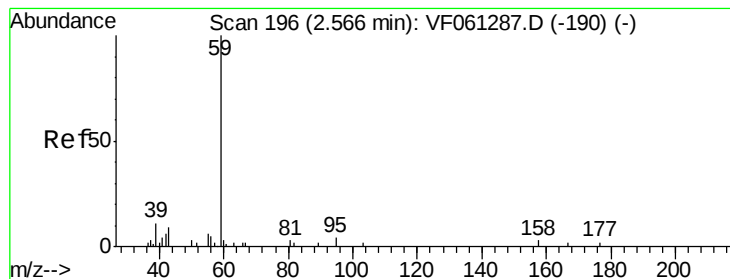
96 0.0 70.2 105.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



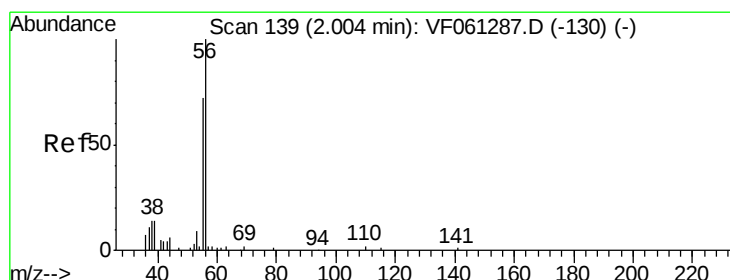
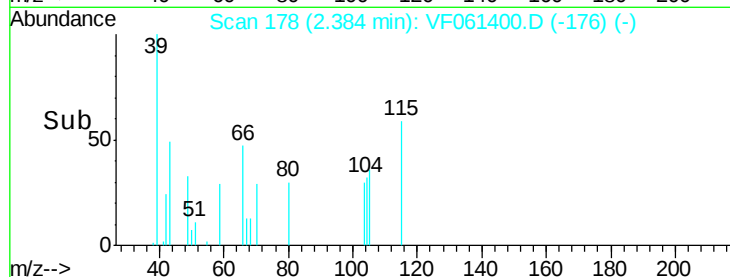
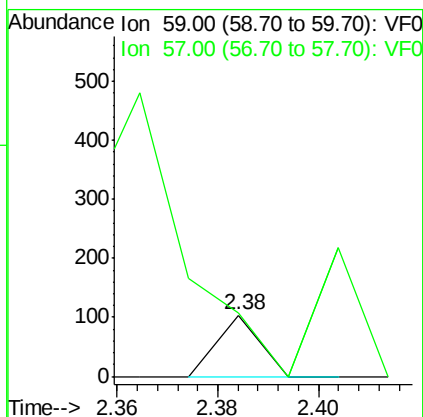
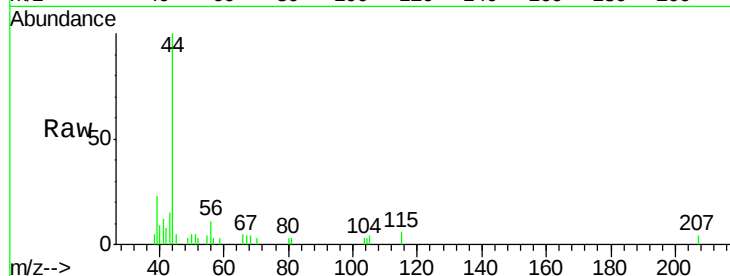


#11

Tert butyl alcohol
Concen: 2.899 ug/l
RT: 2.38 min Scan# 178
Delta R.T. -0.18 min
Lab File: VF061400.D
Acq: 14 Jan 2019 20:25

Instrument :
MSVOA_F
ClientSampleId :

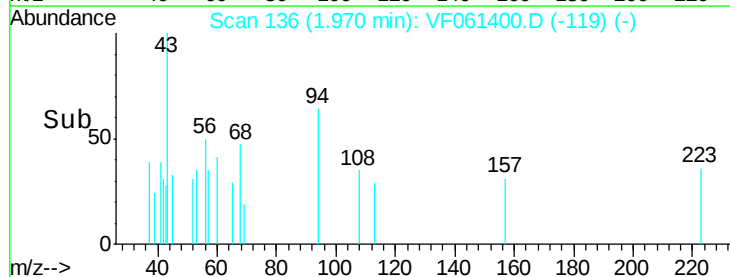
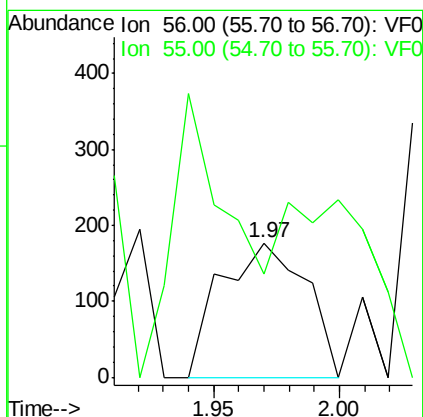
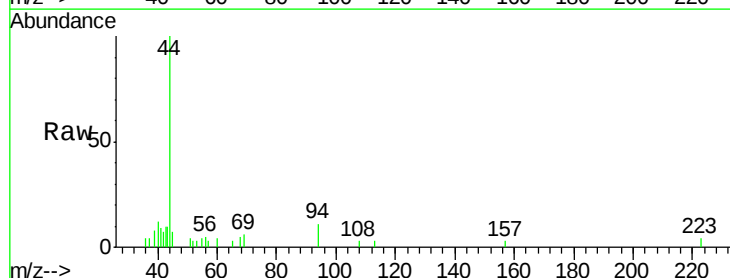
Tot Ion: 59 Resp: 62
Ion Ratio Lower Upper
59 100
57 102.9 15.1 22.7#

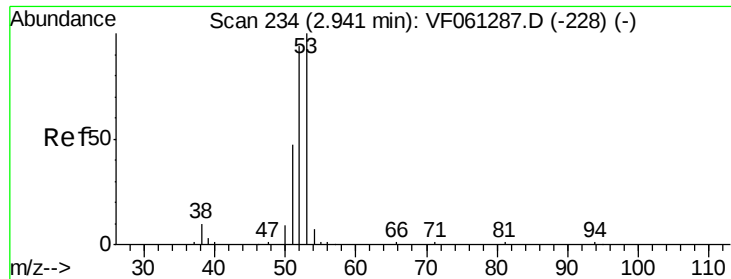


#13

Acrolein
Concen: Below Cal
RT: 1.97 min Scan# 136
Delta R.T. -0.03 min
Lab File: VF061400.D
Acq: 14 Jan 2019 20:25

Tgt Ion: 56 Resp: 417
Ion Ratio Lower Upper
56 100
55 76.8 59.4 89.0

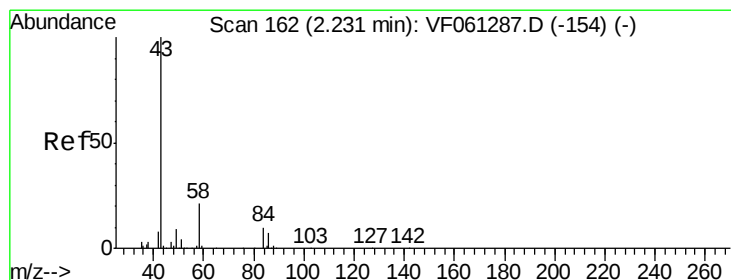
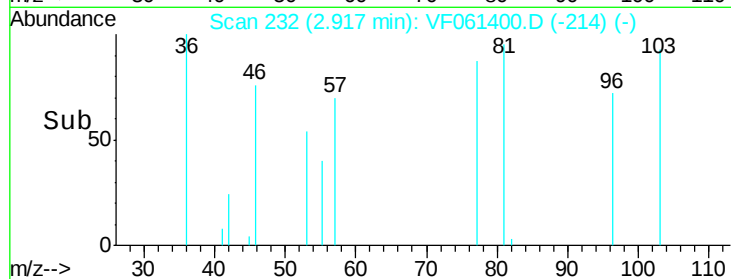
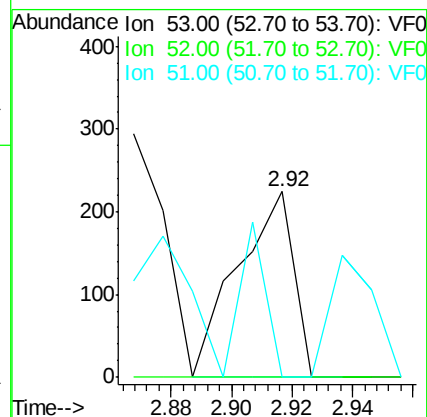
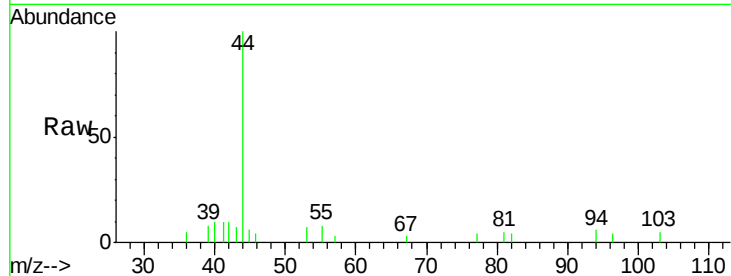




#15
Acrylonitrile
Concen: 3.851 ug/l
RT: 2.92 min Scan# 232
Delta R.T. -0.02 min
Lab File: VF061400.D
Acq: 14 Jan 2019 20:25

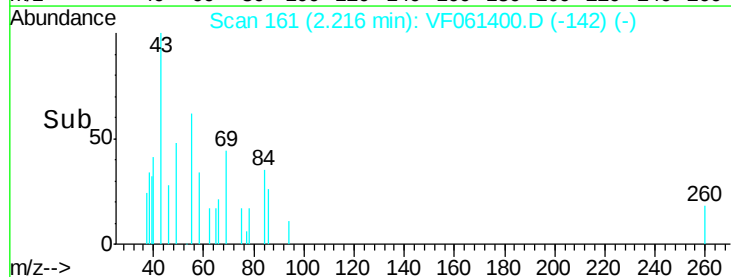
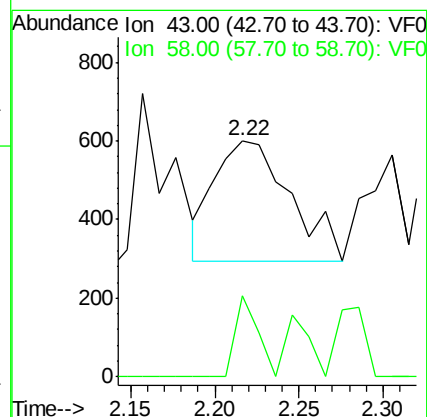
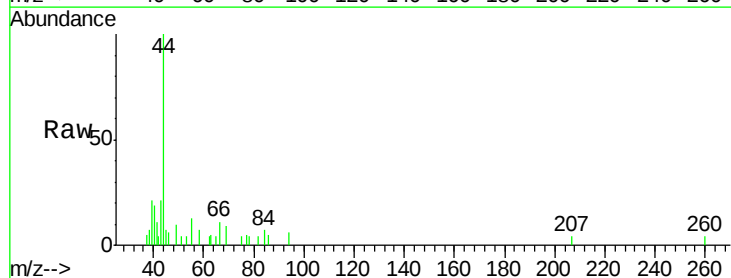
Instrument :
MSVOA_F
ClientSampleId :

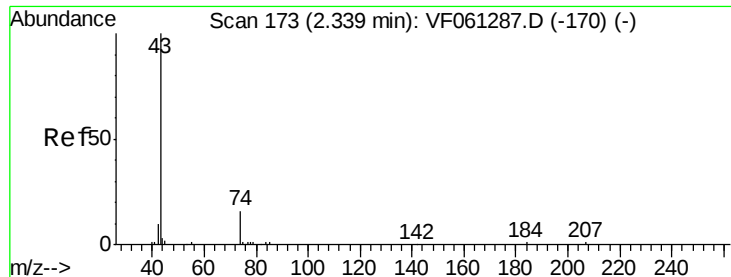
Tot Ion: 53 Resp: 292
Ion Ratio Lower Upper
53 100
52 0.0 74.6 111.8#
51 0.0 37.8 56.6#



#16
Acetone
Concen: 7.653 ug/l
RT: 2.22 min Scan# 161
Delta R.T. -0.01 min
Lab File: VF061400.D
Acq: 14 Jan 2019 20:25

Tgt Ion: 43 Resp: 951
Ion Ratio Lower Upper
43 100
58 34.3 16.6 25.0#

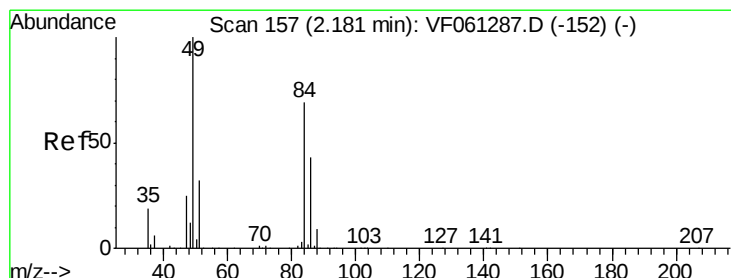
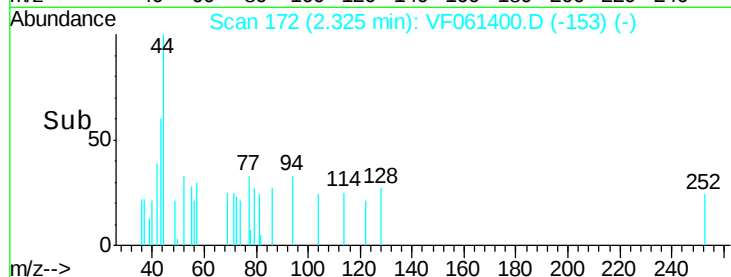
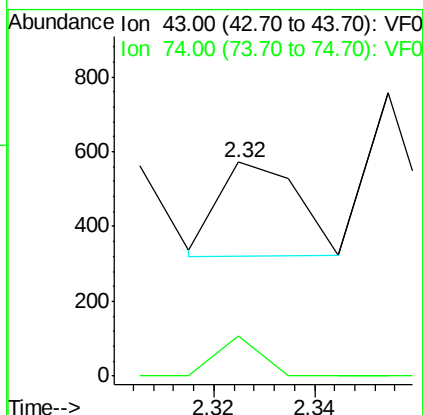
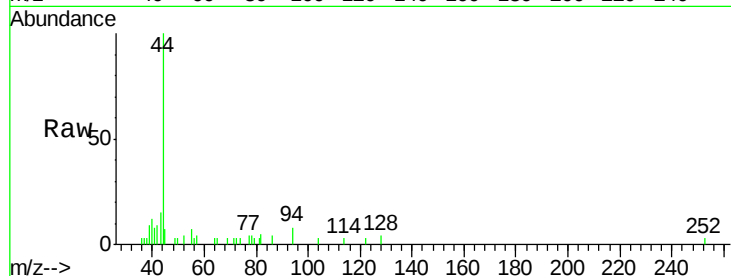




#18
Methyl Acetate
Concen: 1.112 ug/l
RT: 2.32 min Scan# 172
Delta R.T. -0.01 min
Lab File: VF061400.D
Acq: 14 Jan 2019 20:25

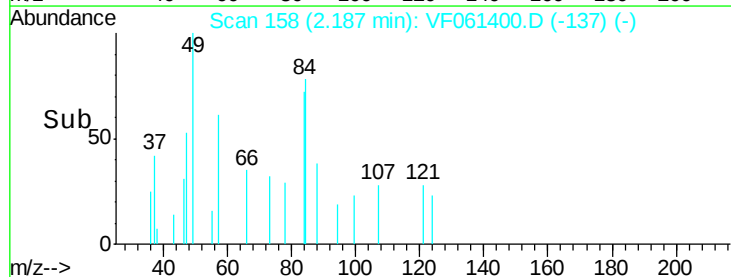
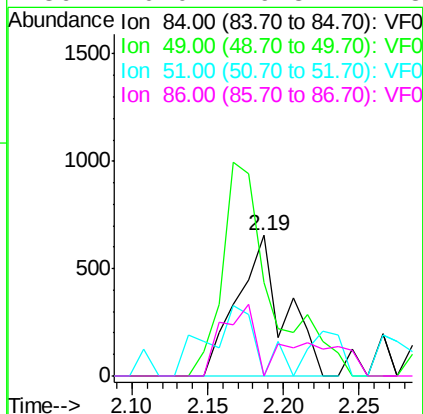
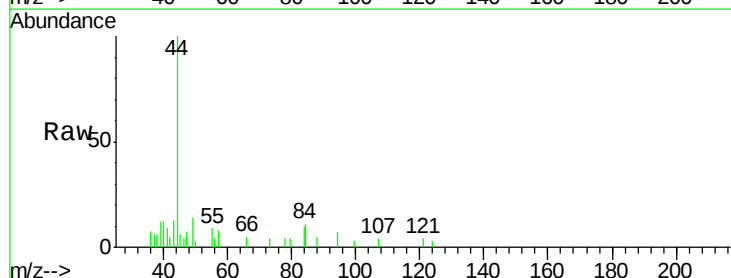
Instrument :
MSVOA_F
ClientSampled :

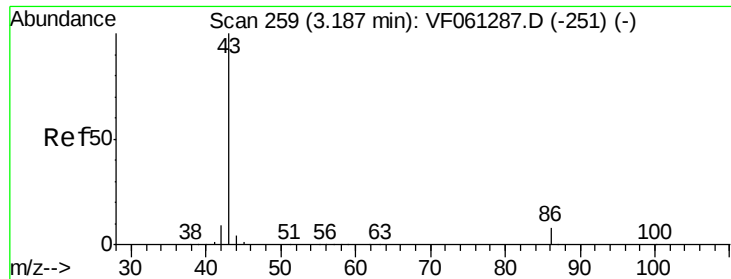
Tot Ion: 43 Resp: 272
Ion Ratio Lower Upper
43 100
74 18.5 11.6 17.4#



#20
Methylene Chloride
Concen: 2.691 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF061400.D
Acq: 14 Jan 2019 20:25

Tgt Ion: 84 Resp: 1415
Ion Ratio Lower Upper
84 100
49 66.5 116.6 175.0#
51 0.0 37.7 56.5#
86 0.0 49.8 74.8#

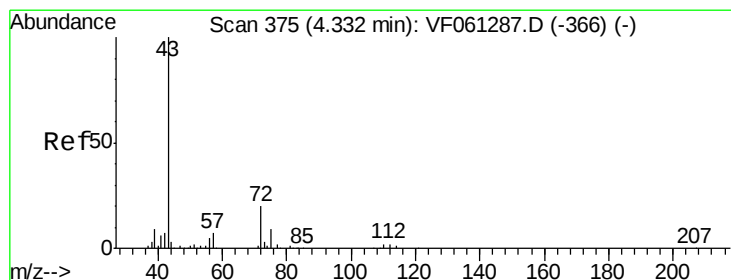
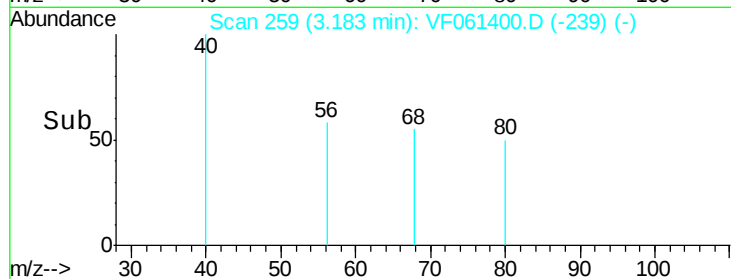
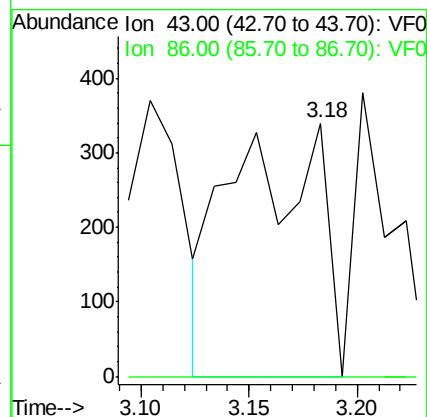
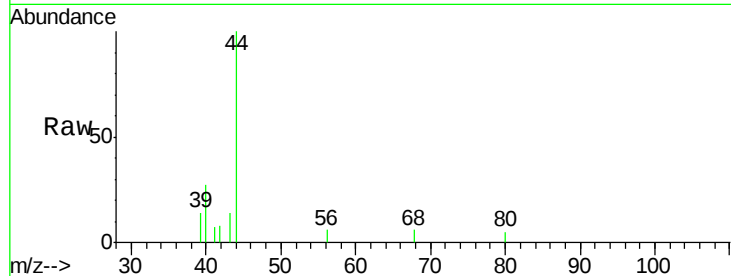




#23
 Vinyl Acetate
 Concen: 1.839 ug/l
 RT: 3.18 min Scan# 259
 Delta R.T. -0.00 min
 Lab File: VF061400.D
 Acq: 14 Jan 2019 20:25

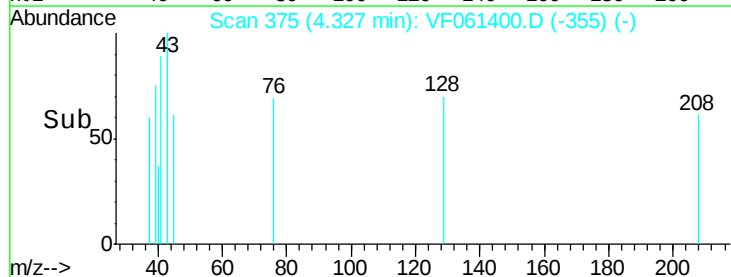
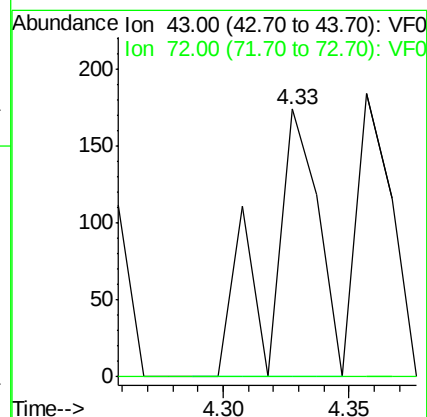
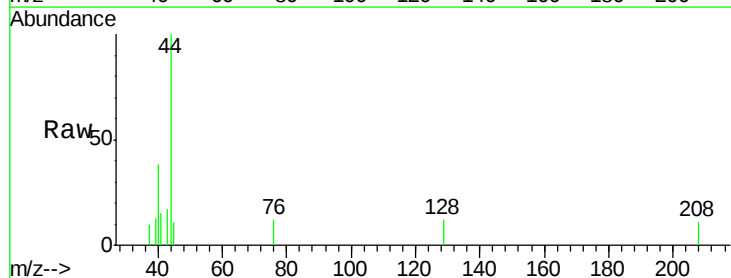
Instrument :
 MSVOA_F
 ClientSampleID :

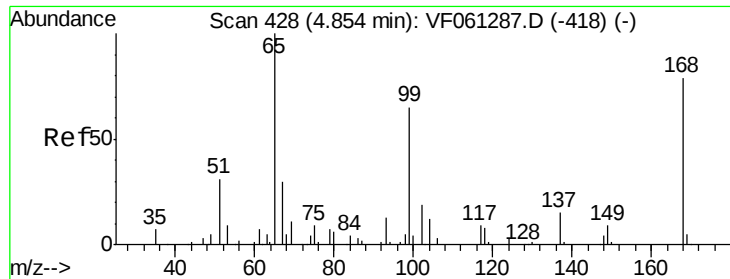
Tot Ion: 43 Resp: 959
 Ion Ratio Lower Upper
 43 100
 86 0.0 6.5 9.7#



#25
 2-Butanone
 Concen: 1.195 ug/l
 RT: 4.33 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VF061400.D
 Acq: 14 Jan 2019 20:25

Tgt Ion: 43 Resp: 239
 Ion Ratio Lower Upper
 43 100
 72 0.0 16.5 24.7#



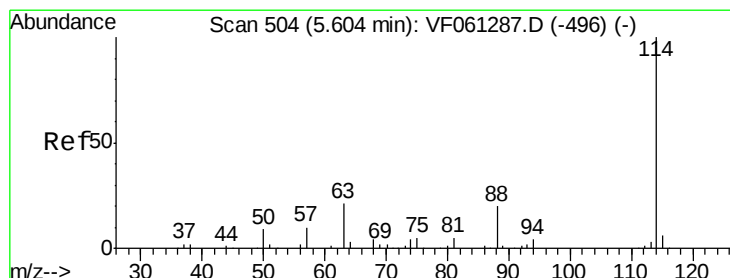
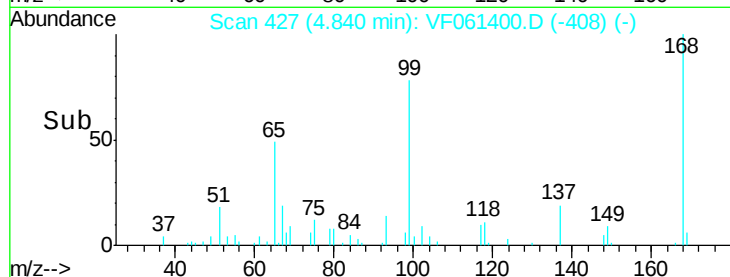
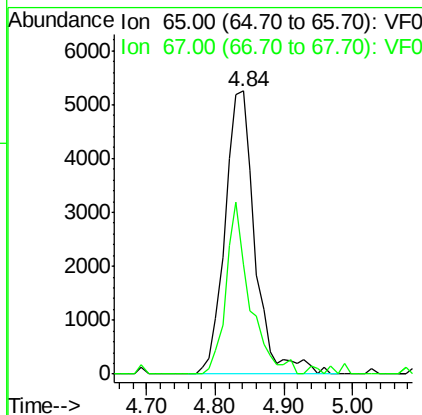
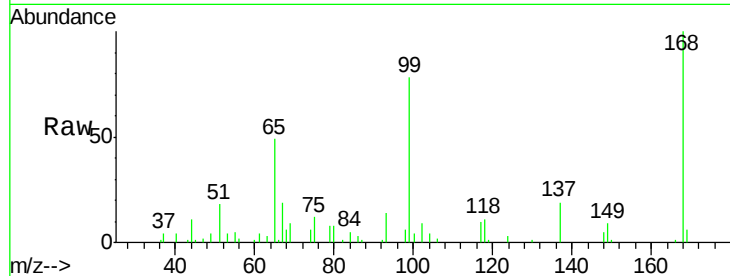


#33

1,2-Dichloroethane-d4
Concen: 29.619 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.01 min
Lab File: VF061400.D
Acq: 14 Jan 2019 20:25

Instrument :
MSVOA_F
ClientSampled :

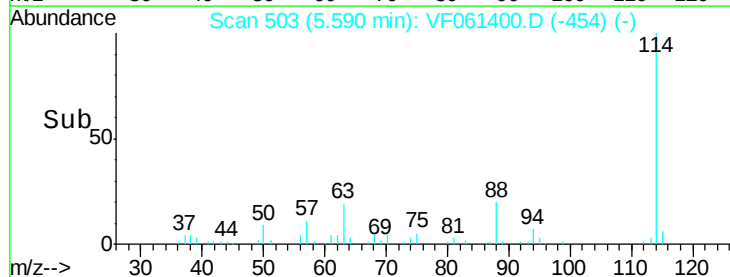
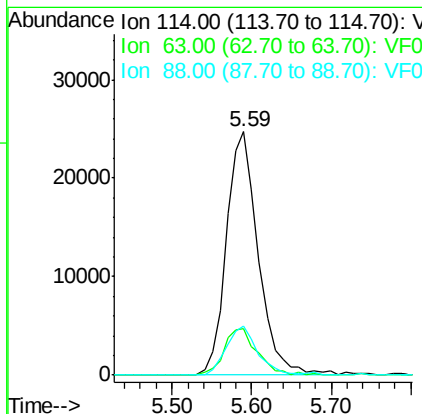
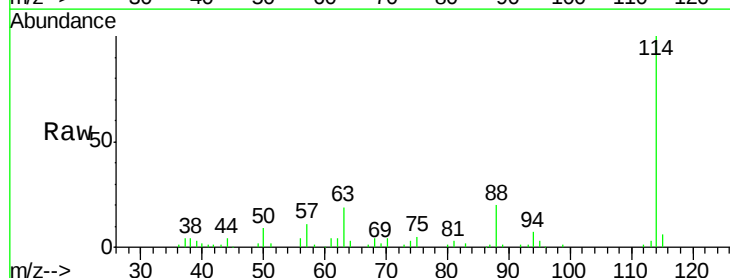
Tot Ion: 65 Resp: 15823
Ion Ratio Lower Upper
65 100
67 38.5 0.0 98.2

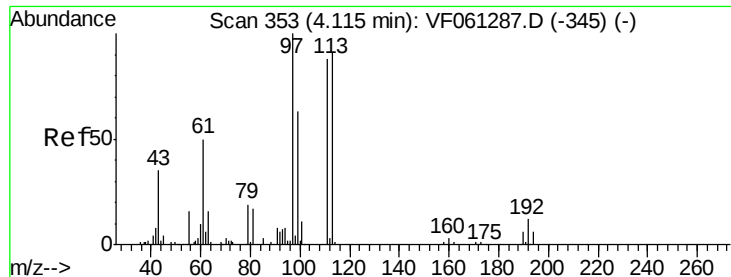


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.59 min Scan# 503
Delta R.T. -0.01 min
Lab File: VF061400.D
Acq: 14 Jan 2019 20:25

Tgt Ion: 114 Resp: 69157
Ion Ratio Lower Upper
114 100
63 19.3 0.0 42.8
88 20.2 0.0 40.0





#35

Dibromofluoromethane

Concen: 45.128 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061400.D

Acq: 14 Jan 2019 20:25

Instrument :
MSVOA_F
ClientSampleId :

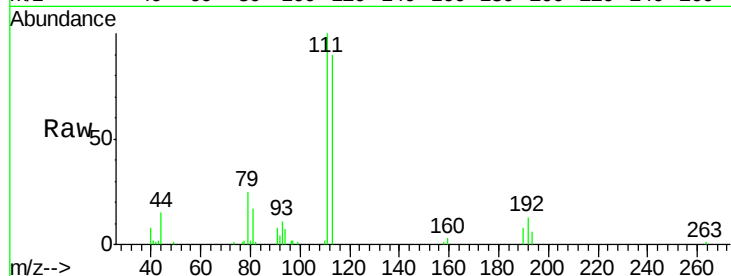
Tot Ion:113 Resp: 23880

Ion Ratio Lower Upper

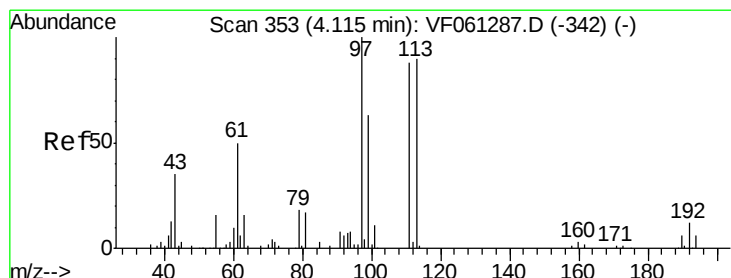
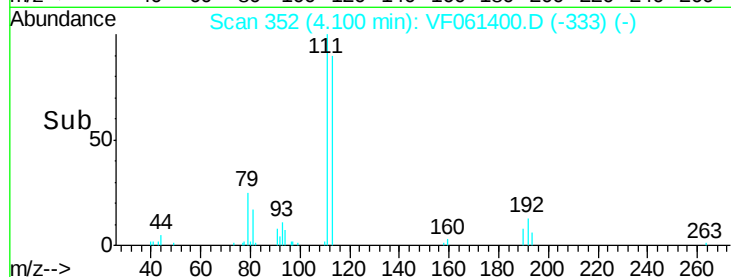
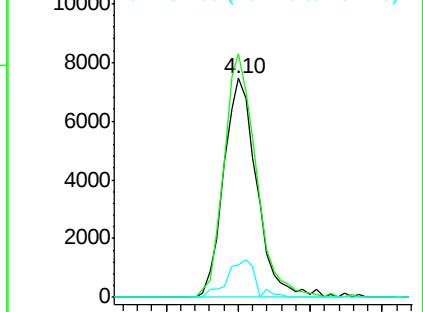
113 100

111 111.1 78.0 117.0

192 14.8 10.6 16.0



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



#37

Ethyl Acetate

Concen: 1.108 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061400.D

Acq: 14 Jan 2019 20:25

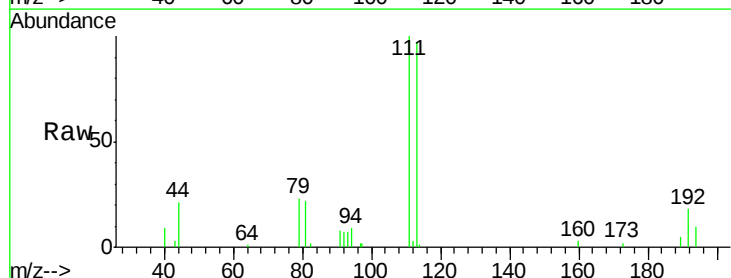
Tgt Ion: 43 Resp: 326

Ion Ratio Lower Upper

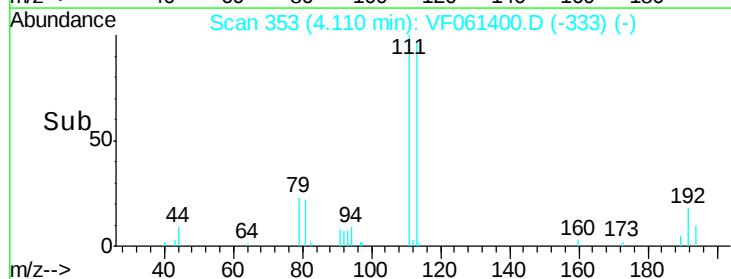
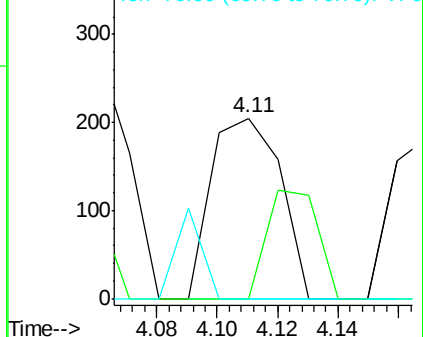
43 100

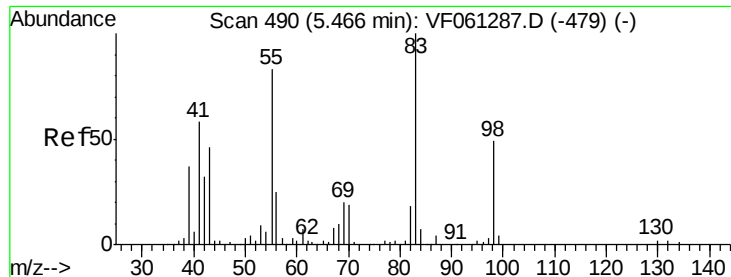
61 0.0 113.3 169.9#

70 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

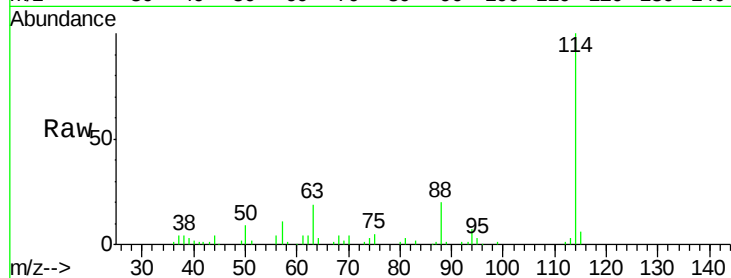




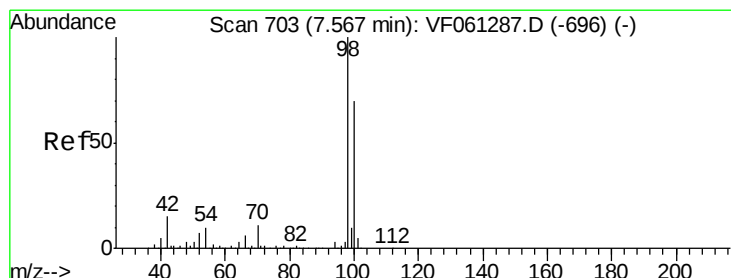
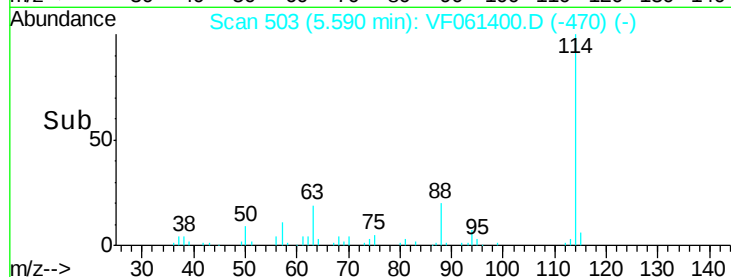
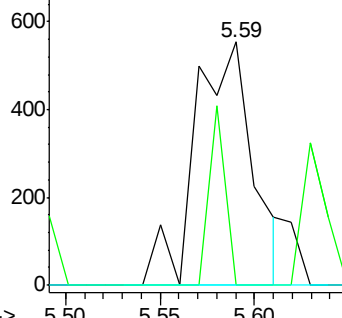
#39
Methvlcvclohexane
Concen: 1.173 ug/l
RT: 5.59 min Scan# 503
Delta R.T. 0.12 min
Lab File: VF061400.D
Acq: 14 Jan 2019 20:25

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 1185
Ion Ratio Lower Upper
83 100
55 0.0 66.4 99.6#
98 0.0 39.1 58.7#

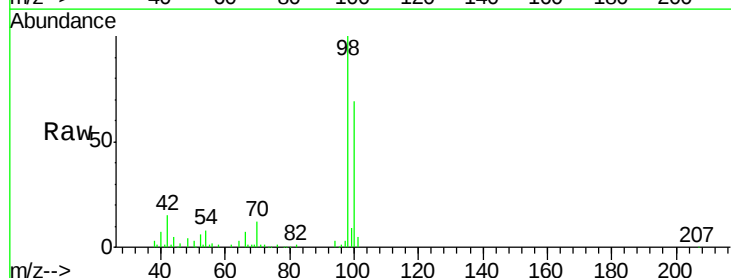


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

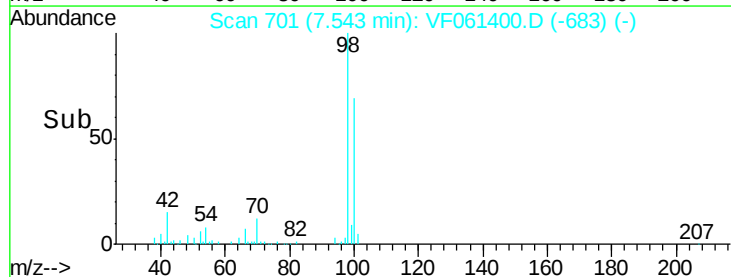
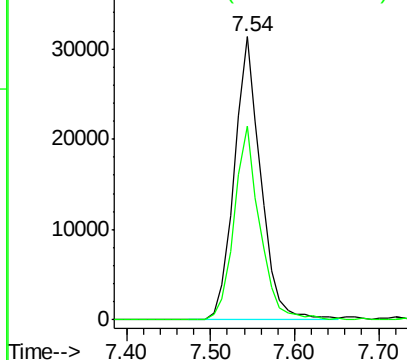


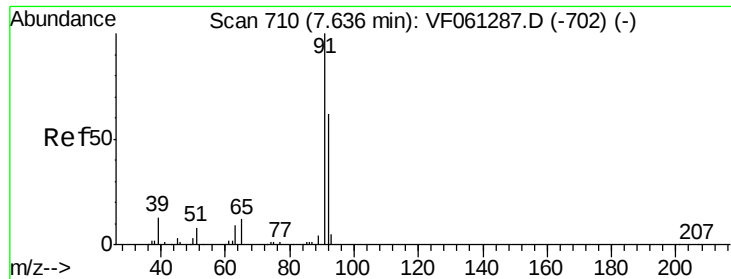
#50
Toluene-d8
Concen: 43.868 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061400.D
Acq: 14 Jan 2019 20:25

Tgt Ion: 98 Resp: 68695
Ion Ratio Lower Upper
98 100
100 68.7 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#52

Toluene

Concen: 1.786 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF061400.D

Acq: 14 Jan 2019 20:25

Instrument :

MSVOA_F

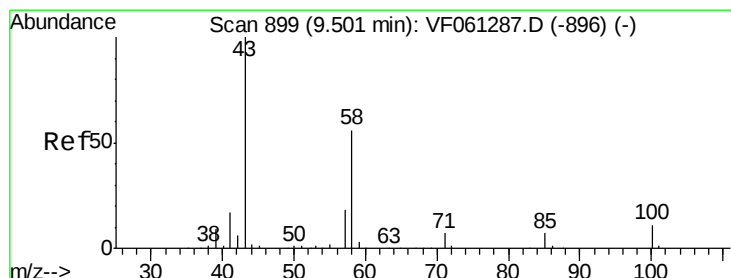
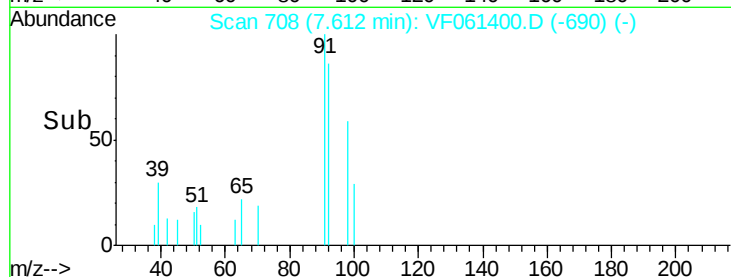
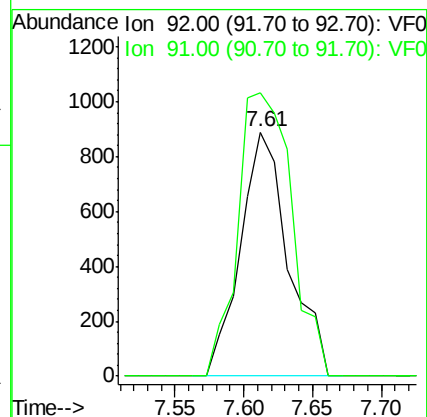
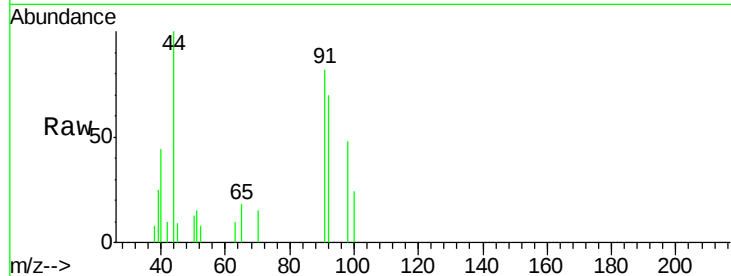
ClientSampleId :

Tot Ion: 92 Resp: 2165

Ion Ratio Lower Upper

92 100

91 116.0 129.2 193.8#



#59

2-Hexanone

Concen: 1.305 ug/l

RT: 9.52 min Scan# 901

Delta R.T. 0.02 min

Lab File: VF061400.D

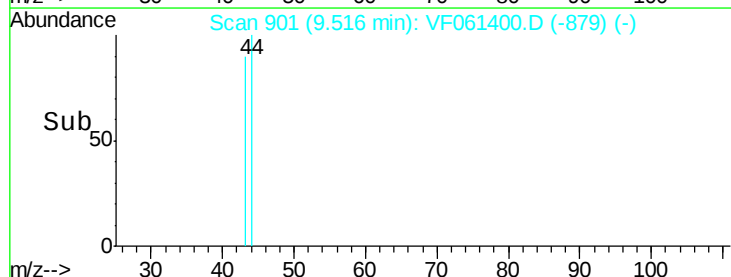
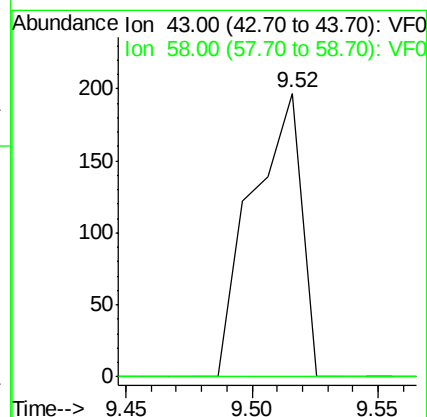
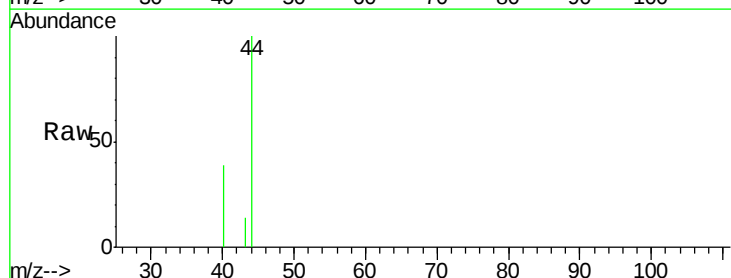
Acq: 14 Jan 2019 20:25

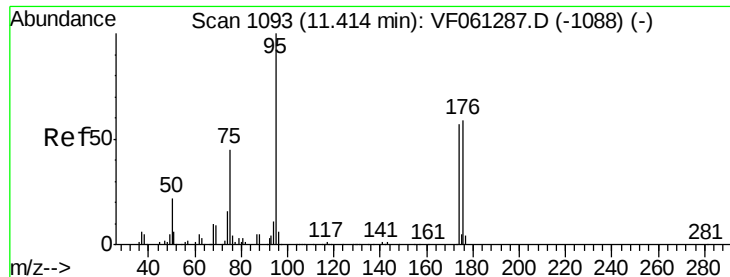
Tgt Ion: 43 Resp: 271

Ion Ratio Lower Upper

43 100

58 0.0 25.6 76.8#

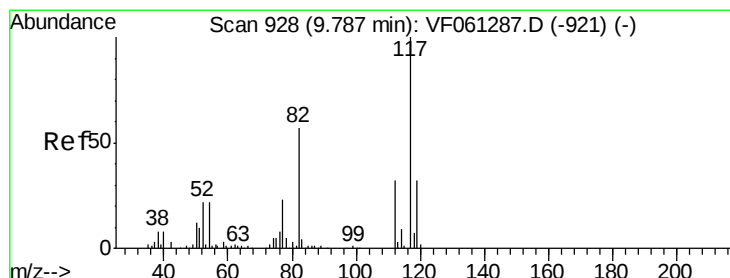
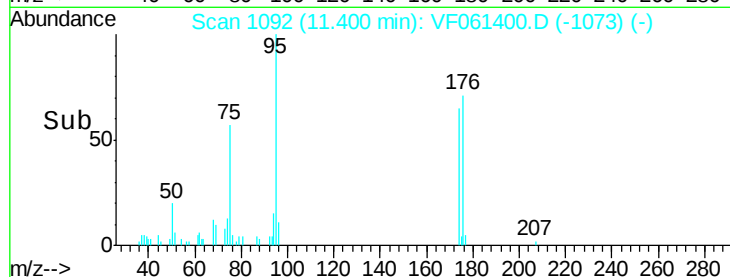
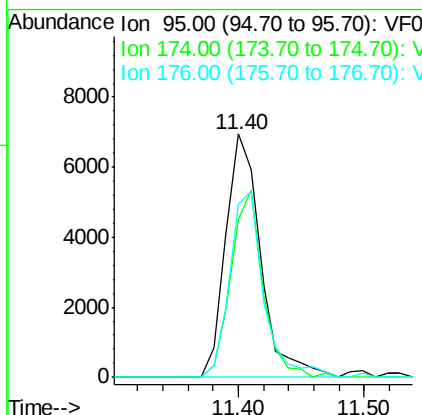
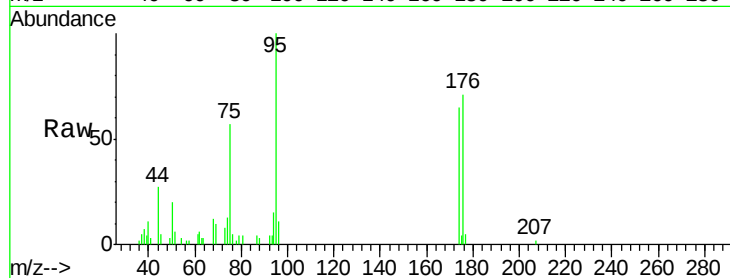




#62
4-Bromofluorobenzene
Concen: 19.473 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF061400.D
Acq: 14 Jan 2019 20:25

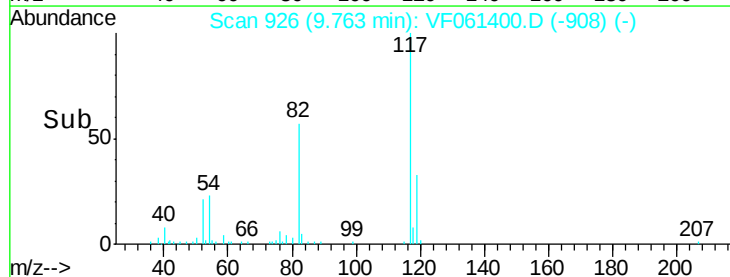
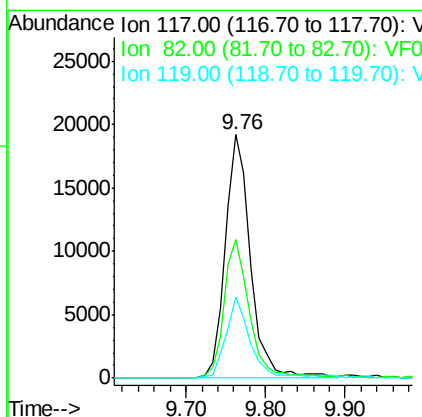
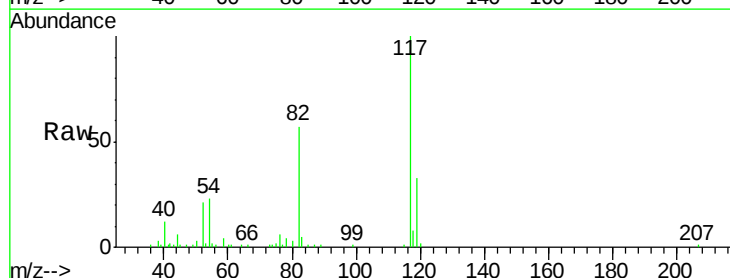
Instrument :
MSVOA_F
ClientSampleId :

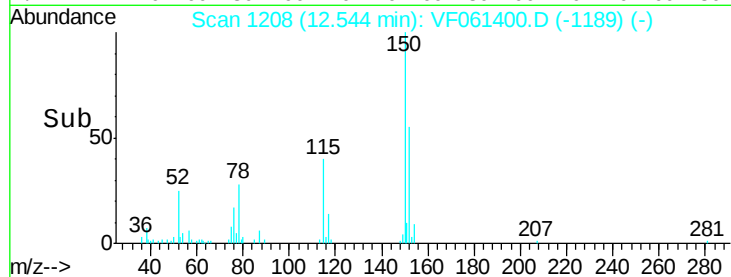
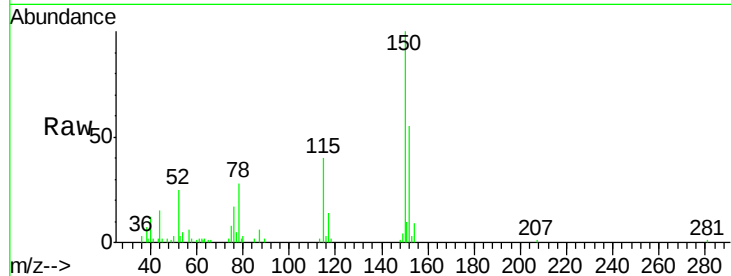
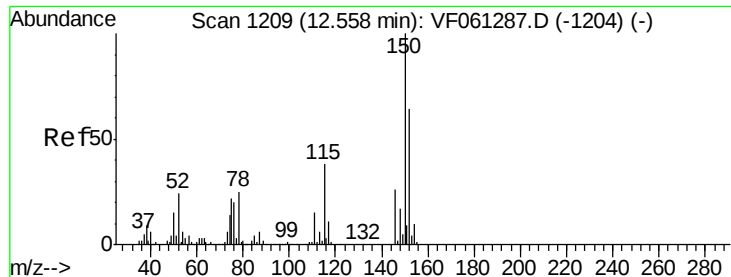
Tot Ion: 95 Resp: 13315
Ion Ratio Lower Upper
95 100
174 64.9 0.0 114.2
176 71.1 0.0 117.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061400.D
Acq: 14 Jan 2019 20:25

Tgt Ion: 117 Resp: 43011
Ion Ratio Lower Upper
117 100
82 57.0 45.3 67.9
119 33.4 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061400.D

Acq: 14 Jan 2019 20:25

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:152 Resp: 9669

Ion Ratio Lower Upper

152 100

115 72.3 29.6 88.9

150 181.6 0.0 315.4

