

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\
 Data File : VF061402.D
 Acq On : 14 Jan 2019 21:23
 Operator : VA/AP
 Sample : K1007-01
 Misc : 5.01µ/5mL/MSVOA-F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jan 14 22:19:08 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	4.83	168	93443	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	158643	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.76	117	105629	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	46845	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	41582	39.98	ug/l	-0.04
Spiked Amount 50.000			Recovery =	79.96%		
35) Dibromofluoromethane	4.11	113	36908	30.40	ug/l	0.00
Spiked Amount 50.000			Recovery =	60.80%		
50) Toluene-d8	7.53	98	170047	47.34	ug/l	-0.04
Spiked Amount 50.000			Recovery =	94.68%		
62) 4-Bromofluorobenzene	11.41	95	44422	28.32	ug/l	0.00
Spiked Amount 50.000			Recovery =	56.64%		

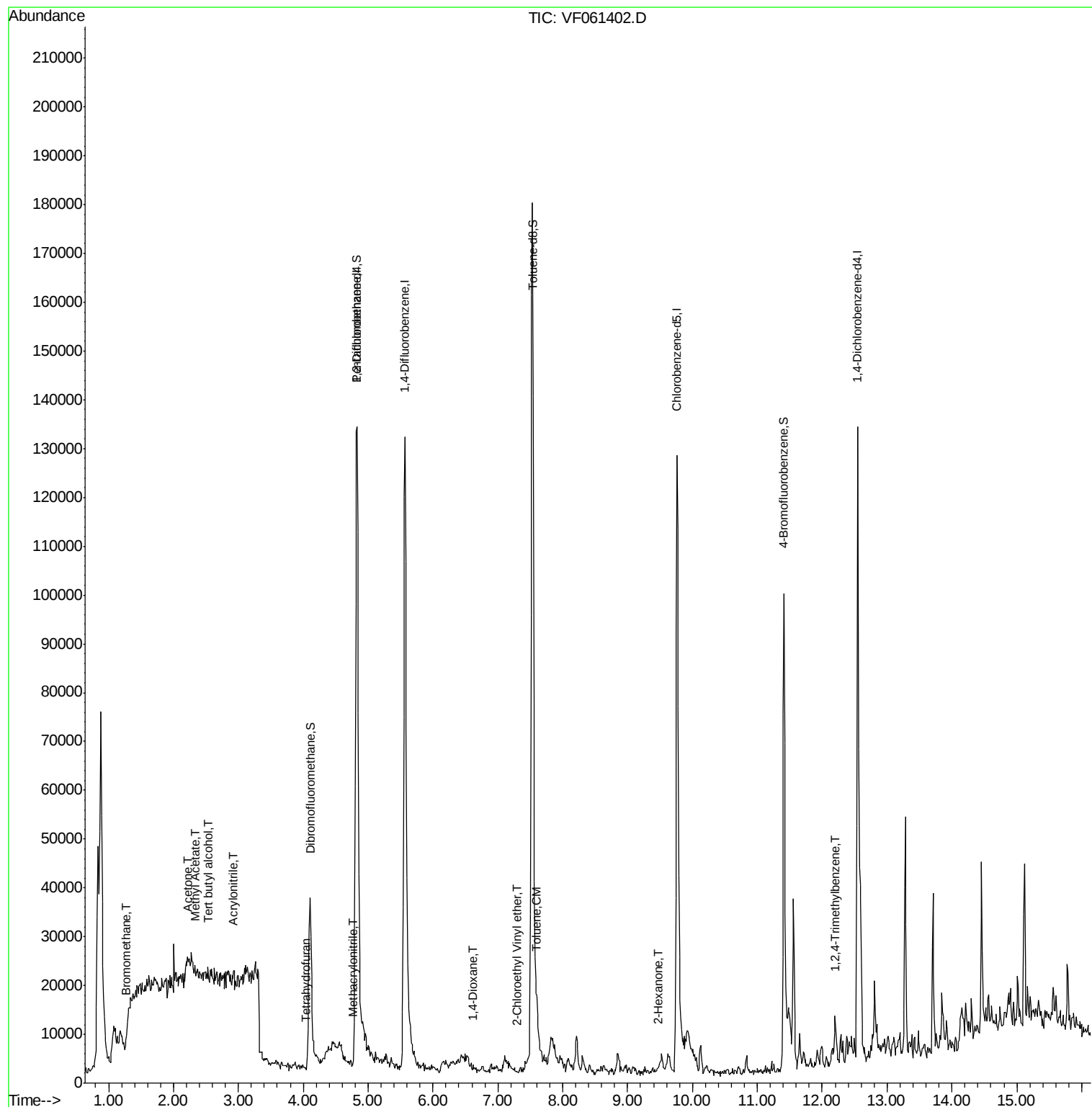
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.26	94	317	3.163	ug/l #	6
11) Tert butyl alcohol	2.54	59	170	4.082	ug/l #	1
13) Acrolein	1.94	56	178	Below Cal	#	46
15) Acrylonitrile	2.92	53	254	1.721	ug/l #	56
16) Acetone	2.22	43	1273	5.261	ug/l #	71
18) Methyl Acetate	2.32	43	594	1.248	ug/l	93
29) Tetrahydrofuran	4.03	42	246	1.511	ug/l #	36
41) Methacrylonitrile	4.76	41	482	1.279	ug/l #	49
49) 1,4-Dioxane	6.61	88	105	28.783	ug/l #	17
52) Toluene	7.61	92	3328	1.197	ug/l	87
58) 2-Chloroethyl Vinyl ether	7.31	63	82	2.213	ug/l #	56
59) 2-Hexanone	9.46	43	659	1.384	ug/l	79
84) 1,2,4-Trimethylbenzene	12.21	105	3779	1.160	ug/l	70

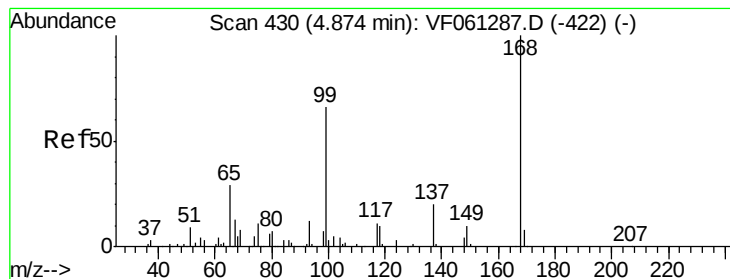
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011419\
Data File : VF061402.D
Acq On : 14 Jan 2019 21:23
Operator : VA/AP
Sample : K1007-01
Misc : 5.01µ/5mL/MSVOA-F/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jan 14 22:19:08 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: 4.83 min Scan# 426

Delta R.T. -0.04 min

Lab File: VF061402.D

Acq: 14 Jan 2019 21:23

Instrument :

MSVOA_F

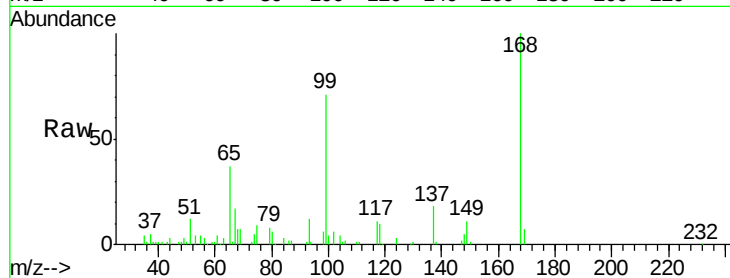
ClientSampleId :

Tot Ion:168 Resp: 93443

Ion Ratio Lower Upper

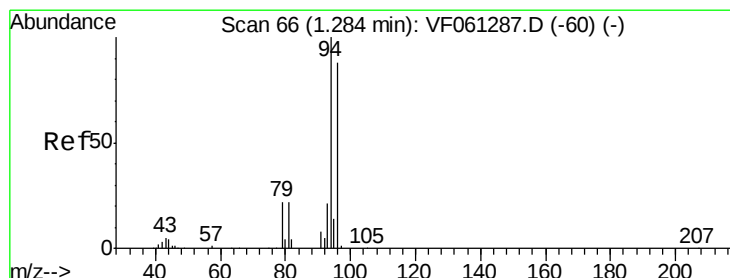
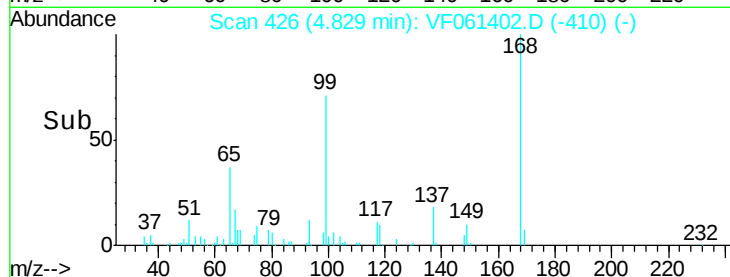
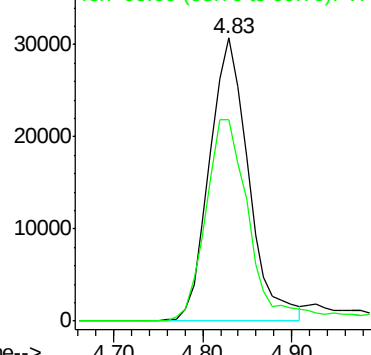
168 100

99 71.0 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#5

Bromomethane

Concen: 3.163 ug/l

RT: 1.26 min Scan# 64

Delta R.T. -0.02 min

Lab File: VF061402.D

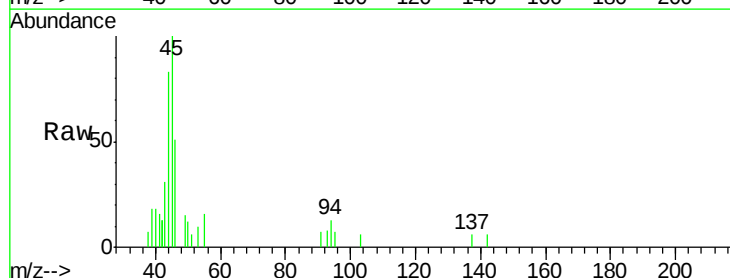
Acq: 14 Jan 2019 21:23

Tgt Ion: 94 Resp: 317

Ion Ratio Lower Upper

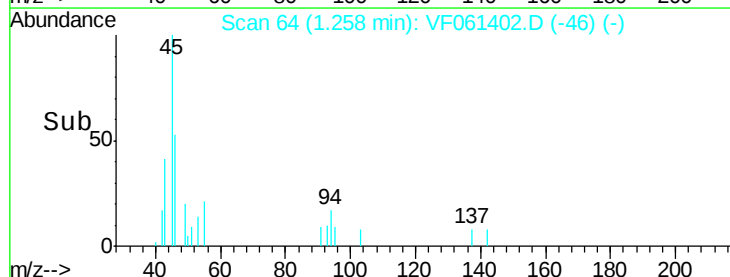
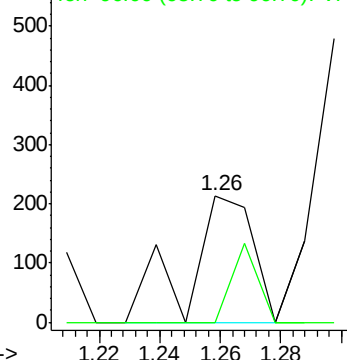
94 100

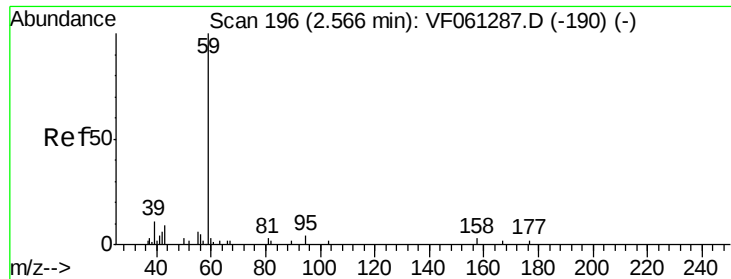
96 0.0 70.2 105.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

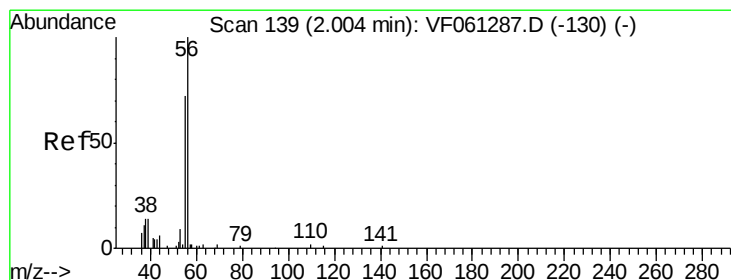
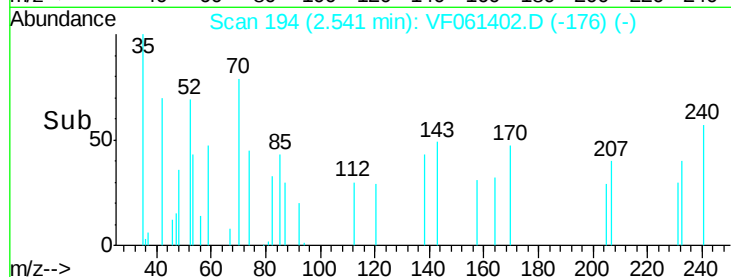
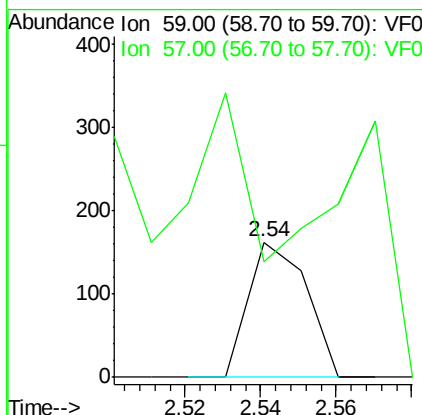
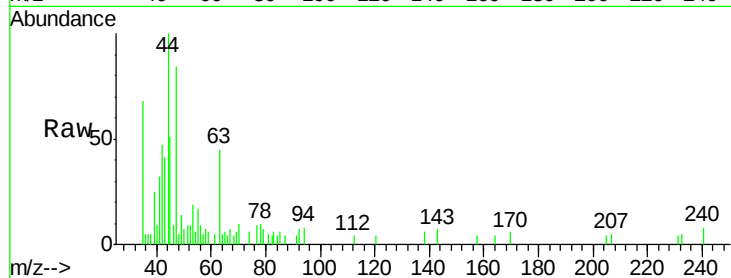




#11
Tert butyl alcohol
Concen: 4.082 ug/l
RT: 2.54 min Scan# 194
Delta R.T. -0.03 min
Lab File: VF061402.D
Acq: 14 Jan 2019 21:23

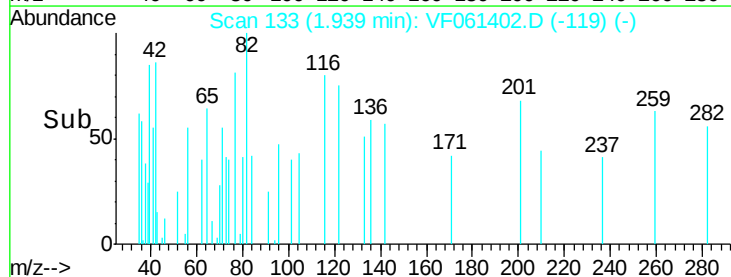
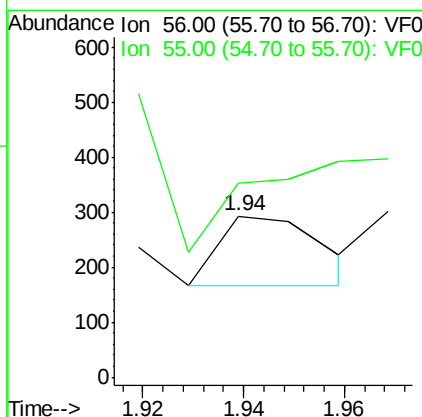
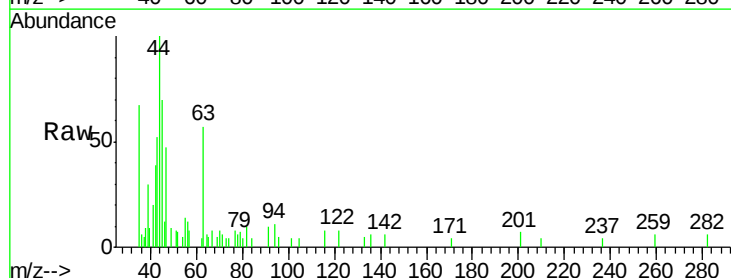
Instrument :
MSVOA_F
ClientSampleId :

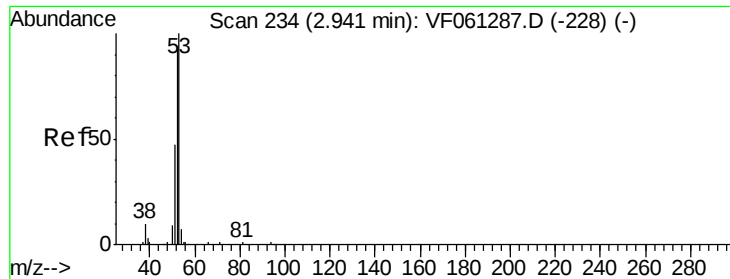
Tot Ion: 59 Resp: 170
Ion Ratio Lower Upper
59 100
57 85.7 15.1 22.7#



#13
Acrolein
Concen: Below Cal
RT: 1.94 min Scan# 133
Delta R.T. -0.06 min
Lab File: VF061402.D
Acq: 14 Jan 2019 21:23

Tgt Ion: 56 Resp: 178
Ion Ratio Lower Upper
56 100
55 120.1 59.4 89.0#





#15

Acrylonitrile

Concen: 1.721 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.03 min

Lab File: VF061402.D

Acq: 14 Jan 2019 21:23

Instrument :
MSVOA_F
ClientSampleId :

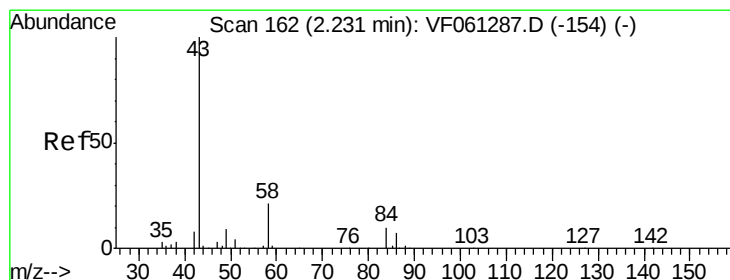
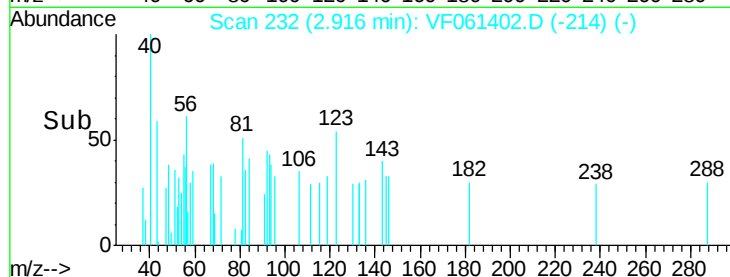
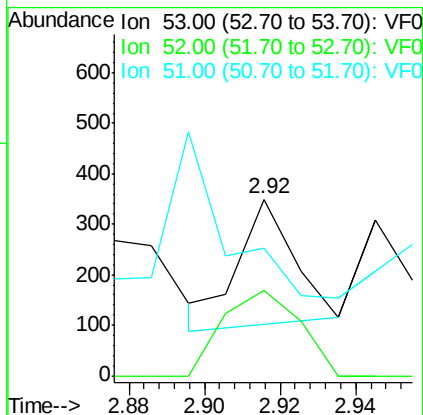
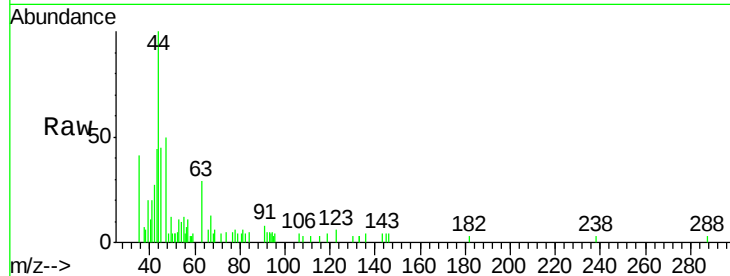
Tot Ion: 53 Resp: 254

Ion Ratio Lower Upper

53 100

52 48.3 74.6 111.8#

51 72.3 37.8 56.6#



#16

Acetone

Concen: 5.261 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.02 min

Lab File: VF061402.D

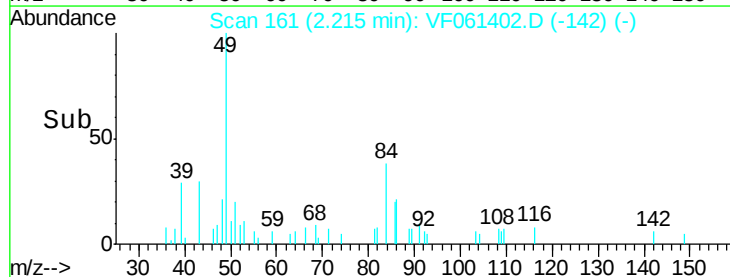
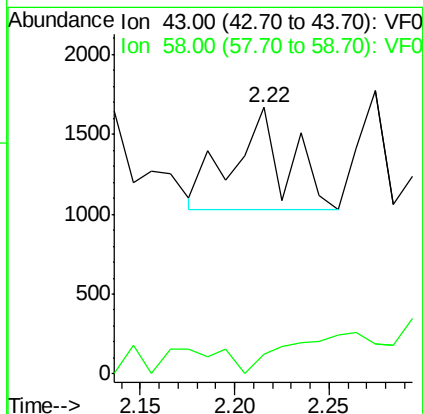
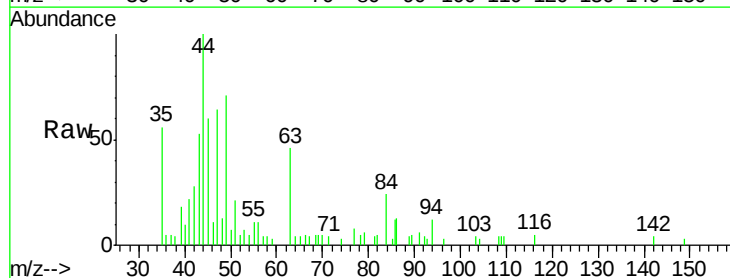
Acq: 14 Jan 2019 21:23

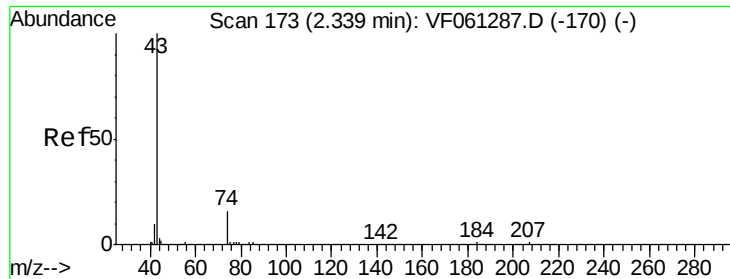
Tgt Ion: 43 Resp: 1273

Ion Ratio Lower Upper

43 100

58 7.3 16.6 25.0#

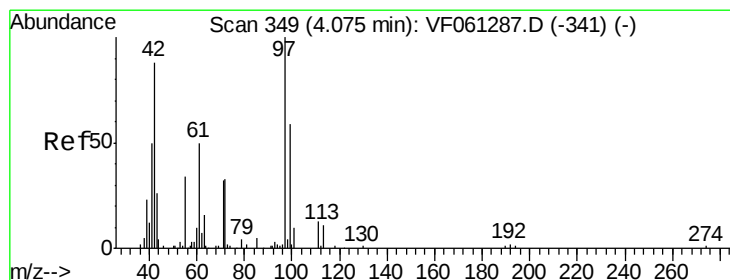
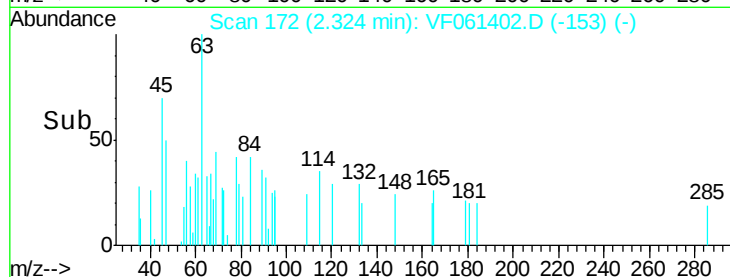
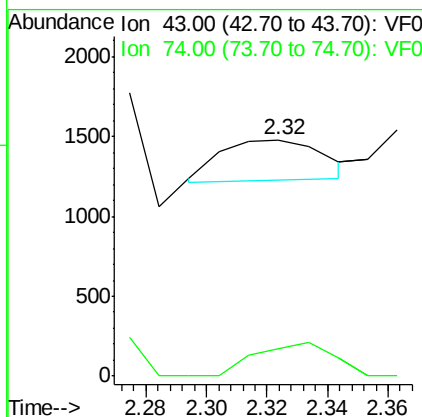
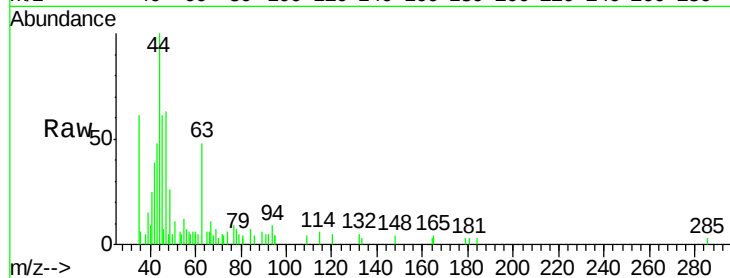




#18
Methvl Acetate
Concen: 1.248 ug/l
RT: 2.32 min Scan# 172
Delta R.T. -0.02 min
Lab File: VF061402.D
Acq: 14 Jan 2019 21:23

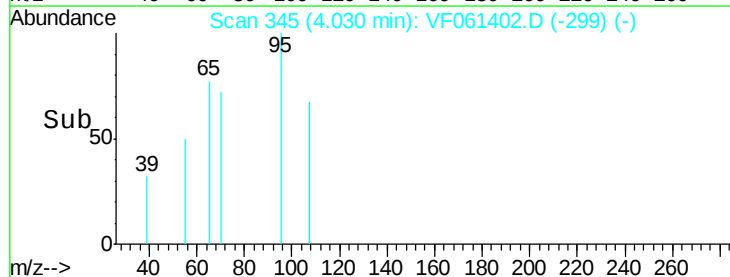
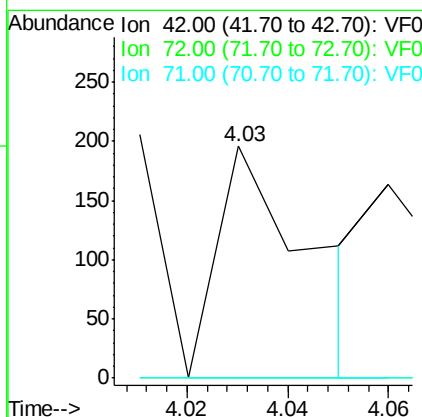
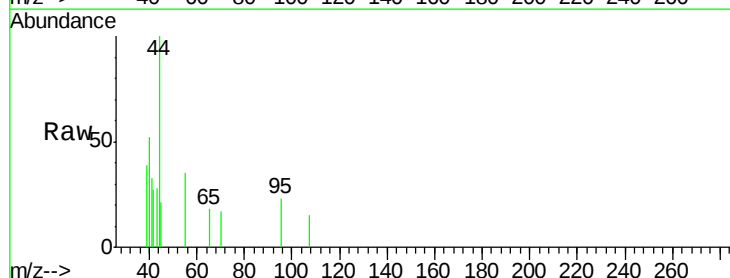
Instrument :
MSVOA_F
ClientSampleId :

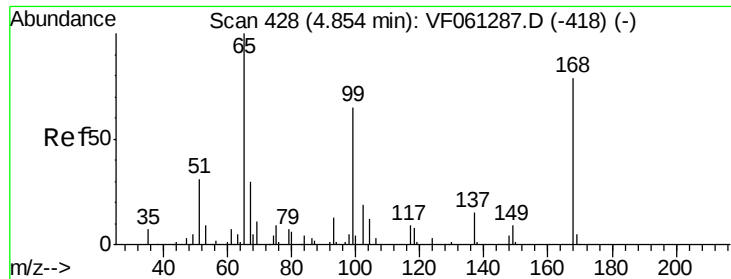
Tot Ion: 43 Resp: 594
Ion Ratio Lower Upper
43 100
74 11.8 11.6 17.4



#29
Tetrahydrofuran
Concen: 1.511 ug/l
RT: 4.03 min Scan# 345
Delta R.T. -0.04 min
Lab File: VF061402.D
Acq: 14 Jan 2019 21:23

Tgt Ion: 42 Resp: 246
Ion Ratio Lower Upper
42 100
72 0.0 32.3 48.5#
71 0.0 29.5 44.3#





#33

1,2-Dichloroethane-d4

Concen: 39.980 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.04 min

Lab File: VF061402.D

Acq: 14 Jan 2019 21:23

Instrument :

MSVOA_F

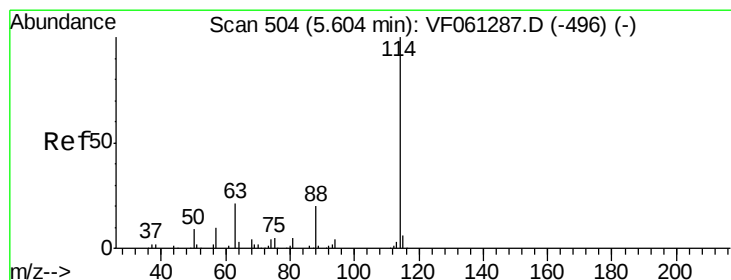
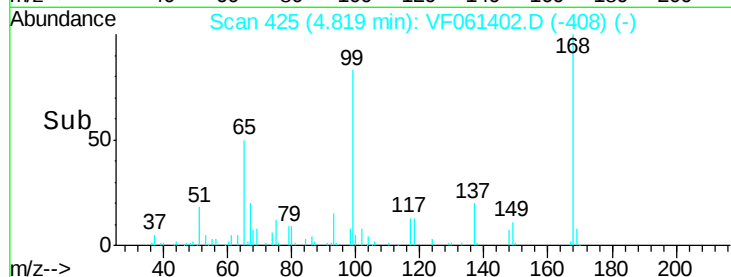
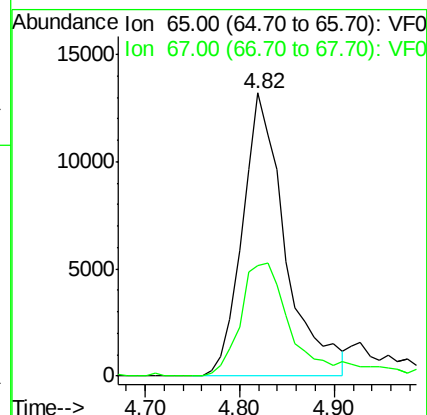
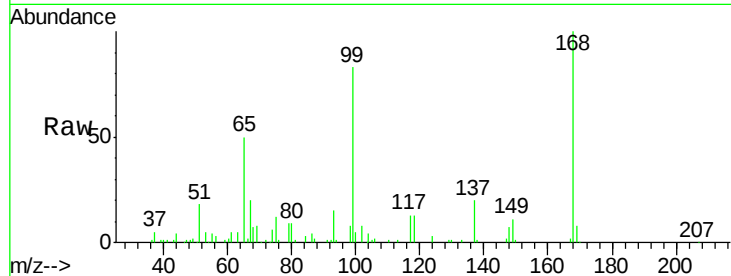
ClientSampled :

Tot Ion: 65 Resp: 41582

Ion Ratio Lower Upper

65 100

67 39.3 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.04 min

Lab File: VF061402.D

Acq: 14 Jan 2019 21:23

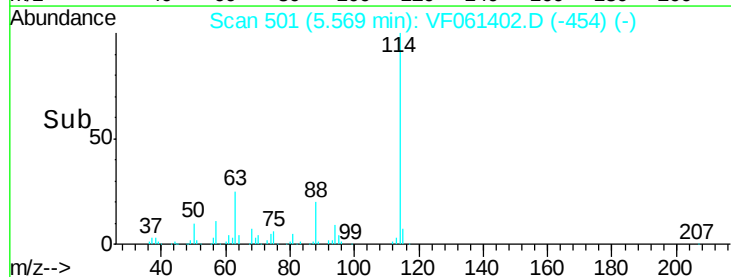
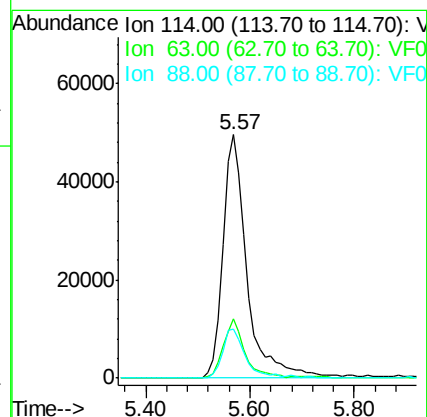
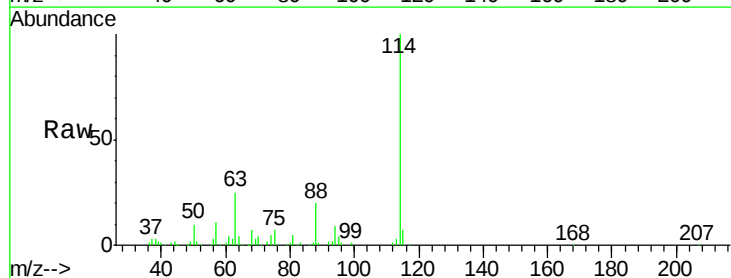
Tgt Ion: 114 Resp: 158643

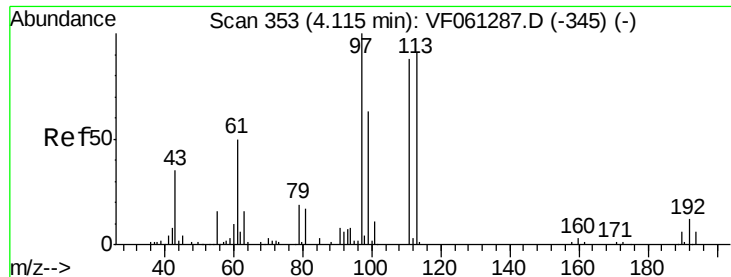
Ion Ratio Lower Upper

114 100

63 24.5 0.0 42.8

88 19.9 0.0 40.0





#35

Dibromofluoromethane

Concen: 30.405 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061402.D

Acq: 14 Jan 2019 21:23

Instrument :
MSVOA_F
ClientSampled :

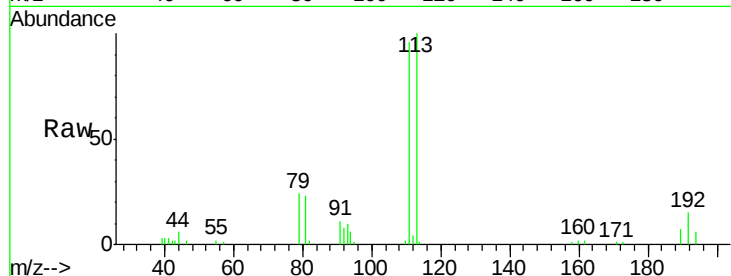
Tot Ion:113 Resp: 36908

Ion Ratio Lower Upper

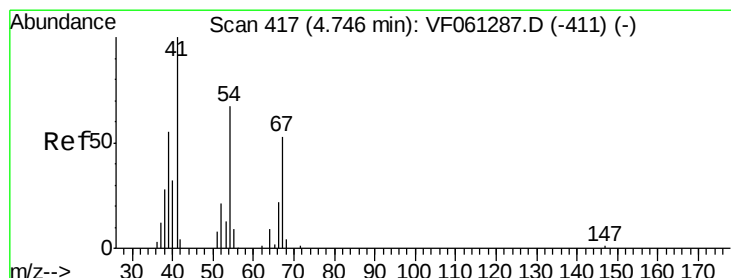
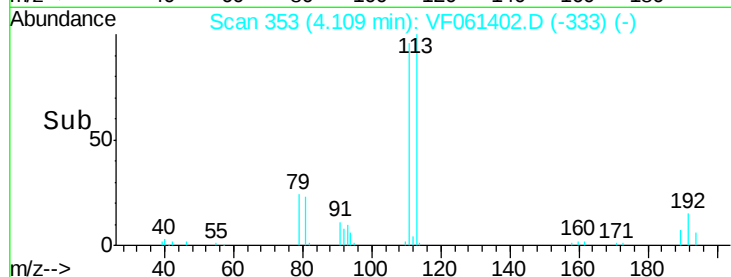
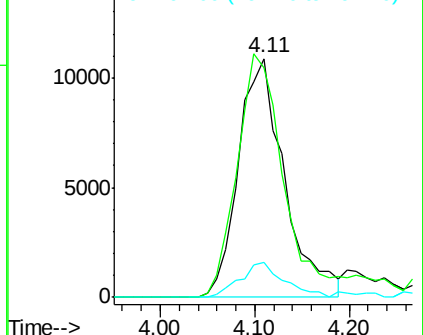
113 100

111 95.9 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



#41

Methacrylonitrile

Concen: 1.279 ug/l

RT: 4.76 min Scan# 419

Delta R.T. 0.01 min

Lab File: VF061402.D

Acq: 14 Jan 2019 21:23

Tgt Ion: 41 Resp: 482

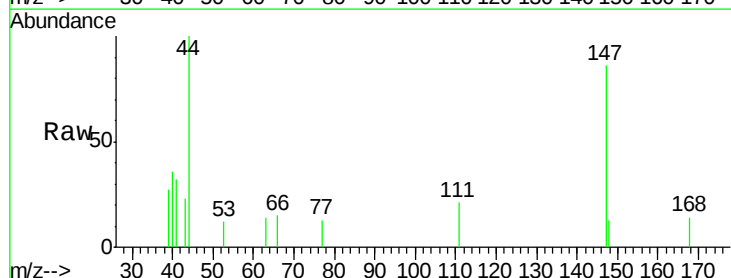
Ion Ratio Lower Upper

41 100

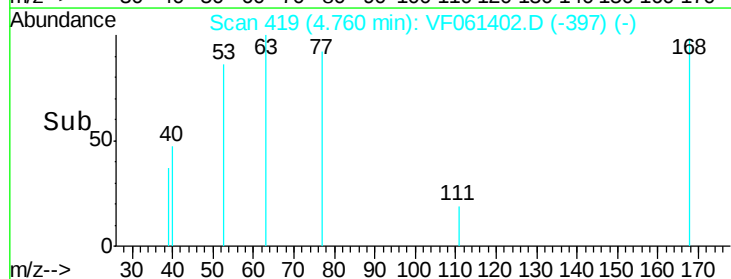
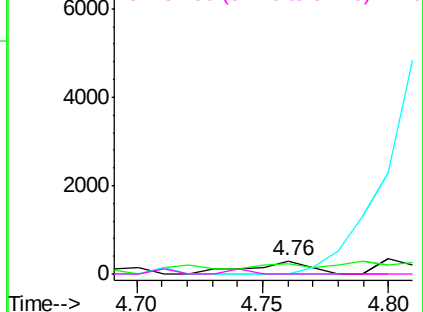
39 84.5 52.7 79.1#

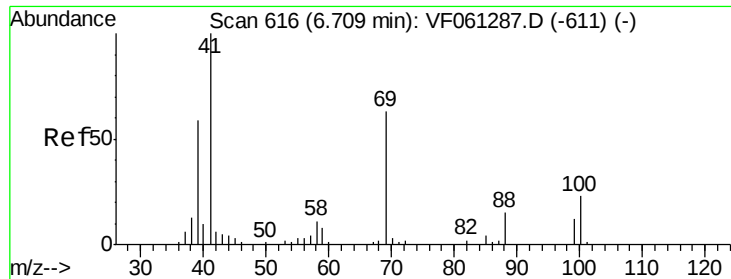
67 0.0 41.4 62.2#

52 0.0 33.0 49.4#



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0





#49

1,4-Dioxane

Concen: 28.783 ug/l

RT: 6.61 min Scan# 607

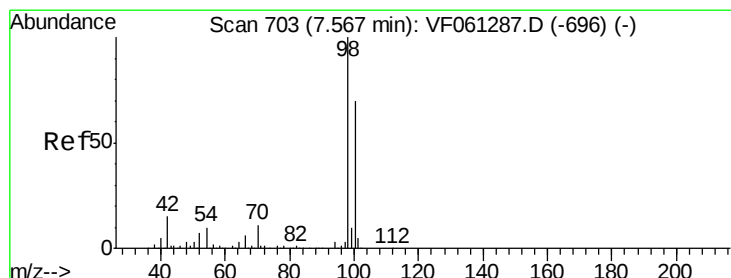
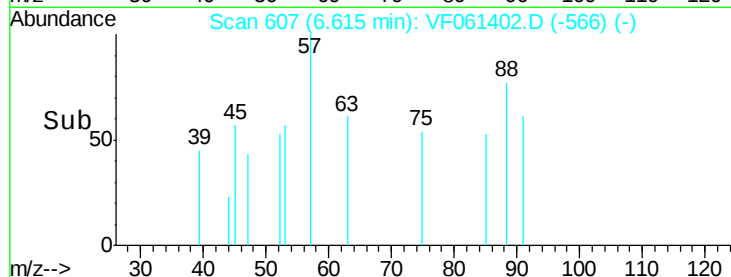
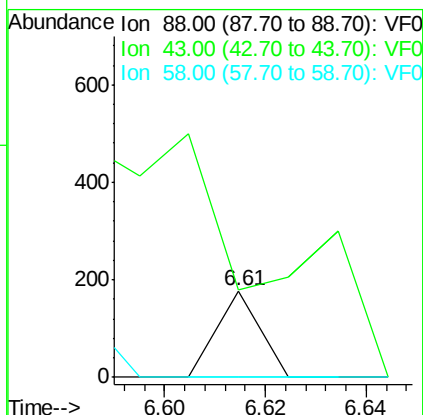
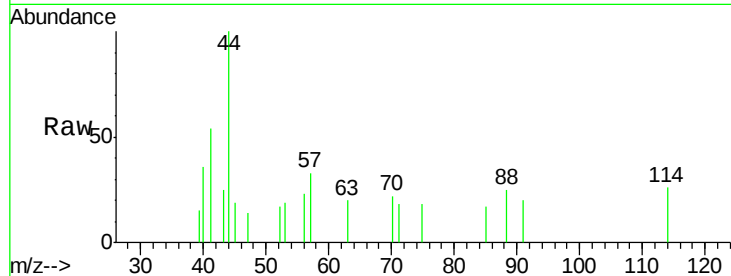
Delta R.T. -0.09 min

Lab File: VF061402.D

Acq: 14 Jan 2019 21:23

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 88 Resp: 105
Ion Ratio Lower Upper
88 100
43 100.6 38.5 57.7#
58 0.0 57.0 85.4#



#50

Toluene-d8

Concen: 47.338 ug/l

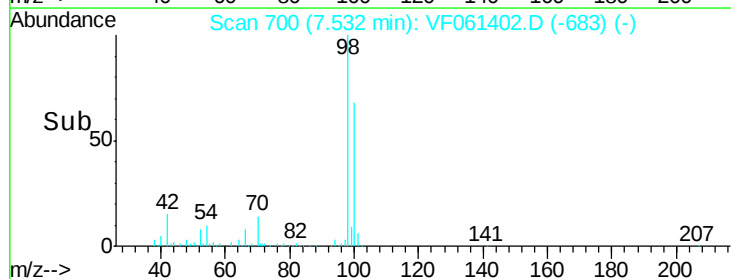
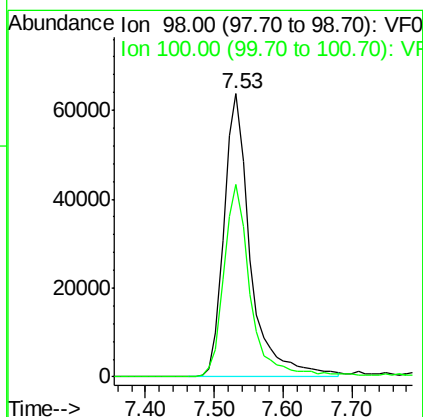
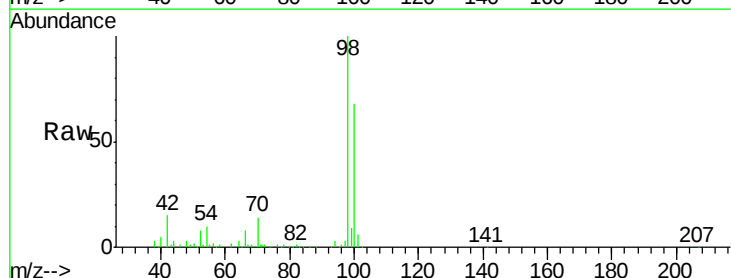
RT: 7.53 min Scan# 700

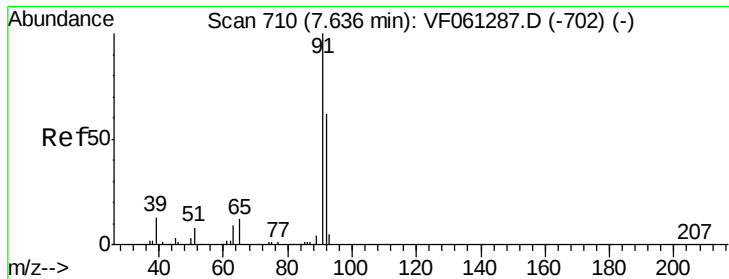
Delta R.T. -0.04 min

Lab File: VF061402.D

Acq: 14 Jan 2019 21:23

Tgt Ion: 98 Resp: 170047
Ion Ratio Lower Upper
98 100
100 67.9 55.6 83.4





#52

Toluene

Concen: 1.197 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.03 min

Lab File: VF061402.D

Acq: 14 Jan 2019 21:23

Instrument :

MSVOA_F

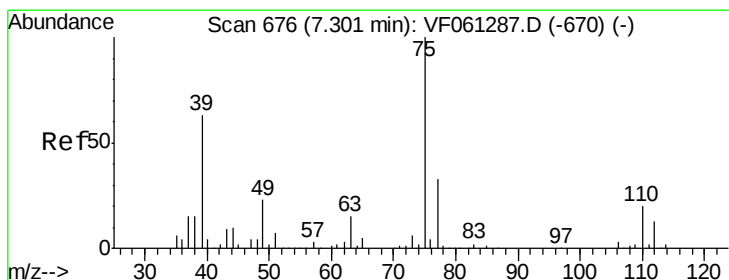
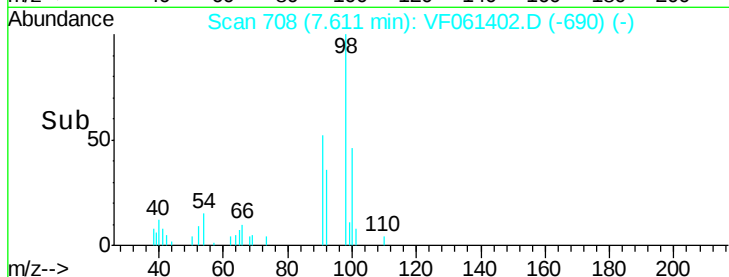
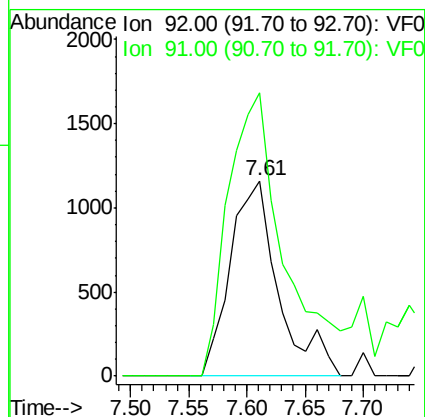
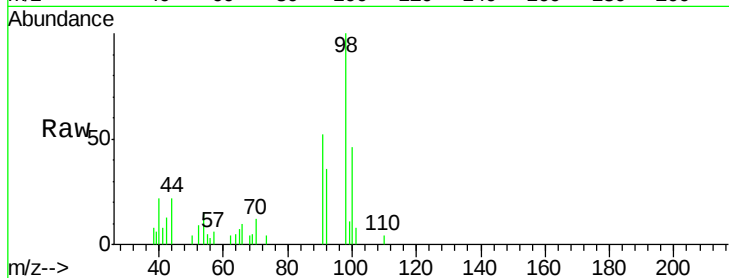
ClientSampleId :

Tot Ion: 92 Resp: 3328

Ion Ratio Lower Upper

92 100

91 144.9 129.2 193.8



#58

2-Chloroethyl Vinyl ether

Concen: 2.213 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.00 min

Lab File: VF061402.D

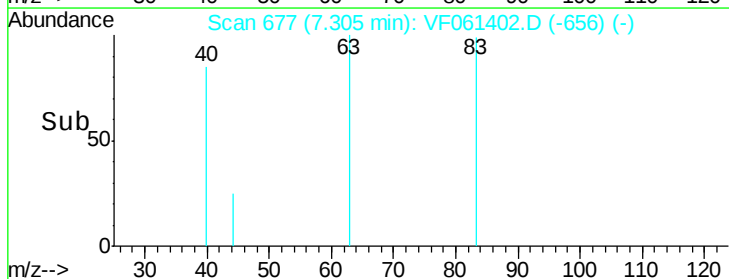
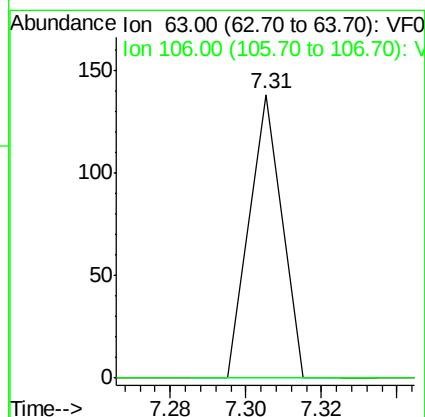
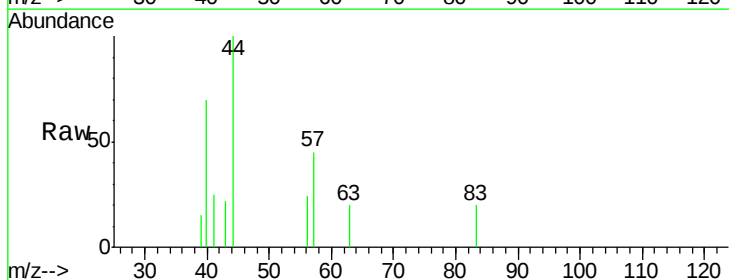
Acq: 14 Jan 2019 21:23

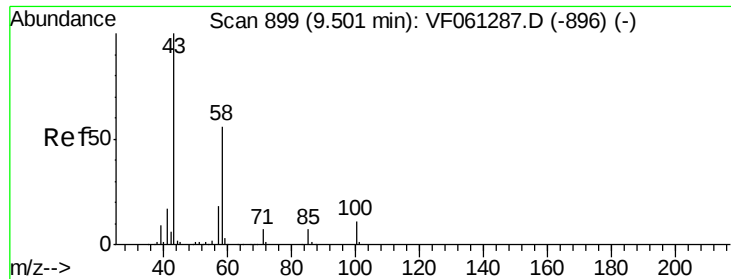
Tgt Ion: 63 Resp: 82

Ion Ratio Lower Upper

63 100

106 0.0 16.5 24.7#

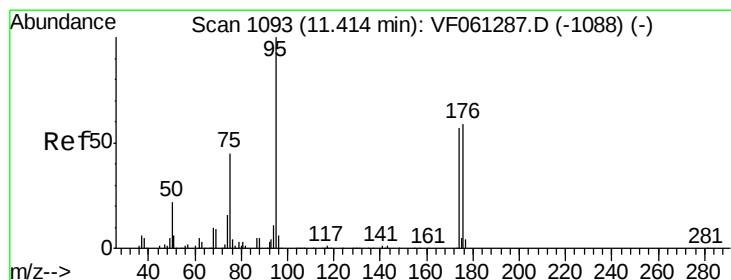
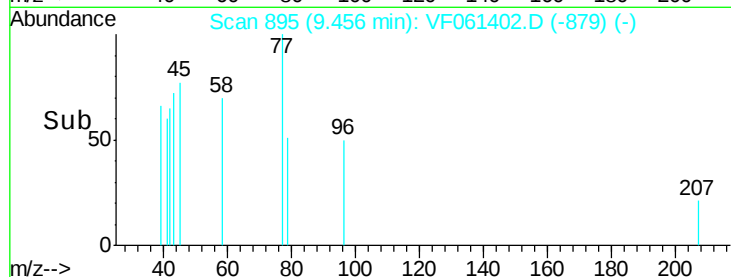
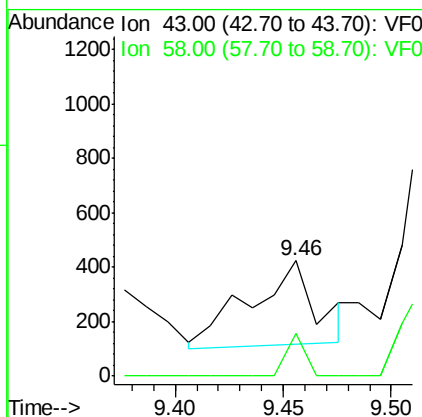
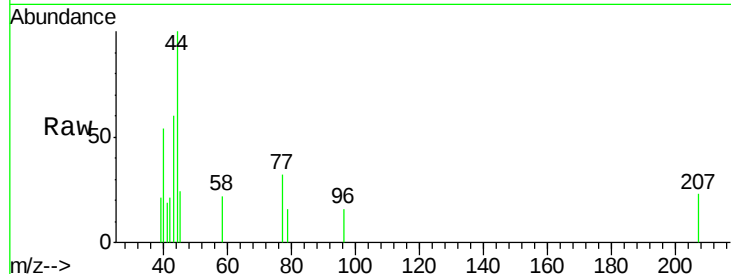




#59
2-Hexanone
Concen: 1.384 ug/l
RT: 9.46 min Scan# 895
Delta R.T. -0.04 min
Lab File: VF061402.D
Acq: 14 Jan 2019 21:23

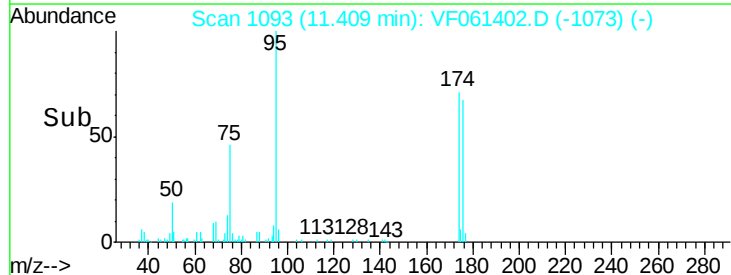
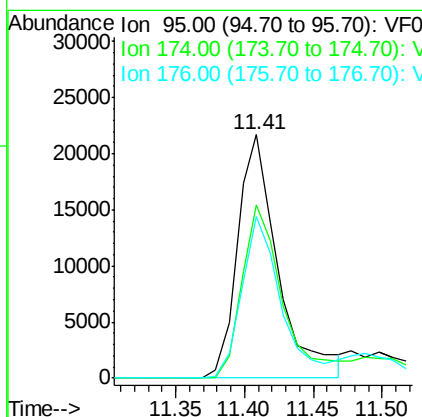
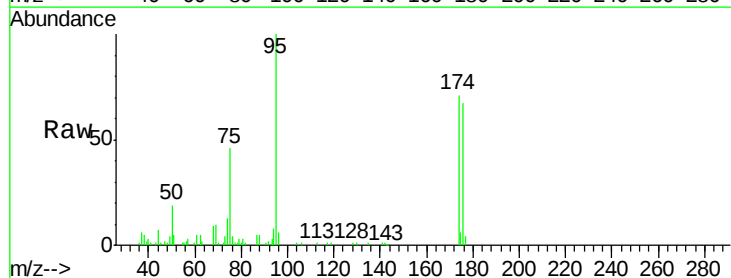
Instrument :
MSVOA_F
ClientSampleId :

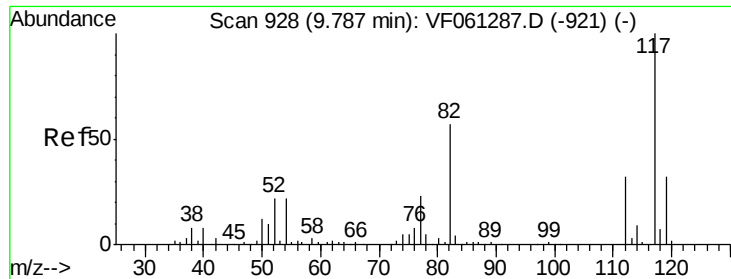
Tot Ion: 43 Resp: 659
Ion Ratio Lower Upper
43 100
58 36.6 25.6 76.8



#62
4-Bromofluorobenzene
Concen: 28.320 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF061402.D
Acq: 14 Jan 2019 21:23

Tgt Ion: 95 Resp: 44422
Ion Ratio Lower Upper
95 100
174 71.3 0.0 114.2
176 66.7 0.0 117.8

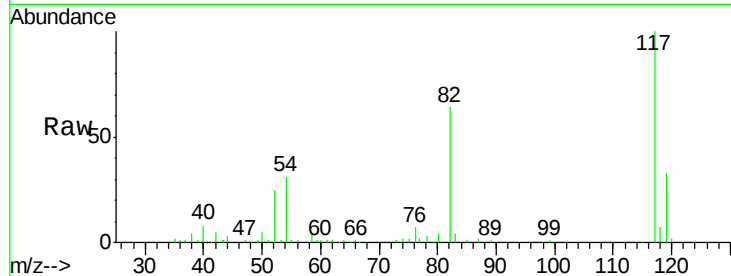




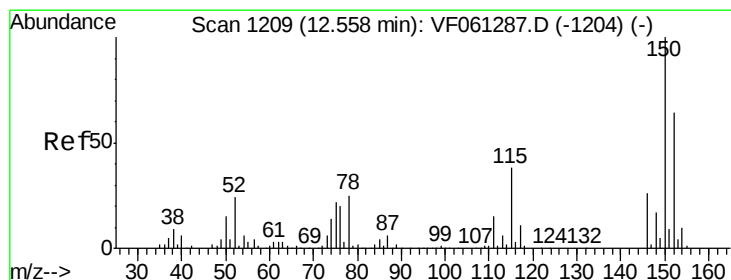
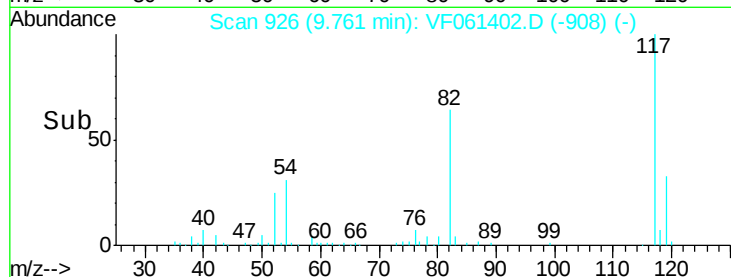
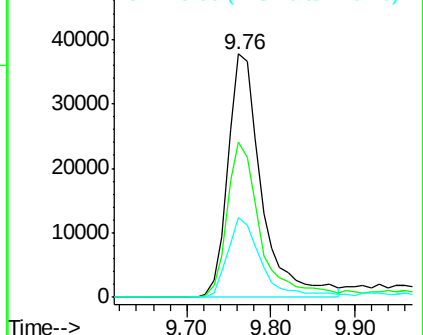
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061402.D
Acq: 14 Jan 2019 21:23

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 105629
Ion Ratio Lower Upper
117 100
82 63.9 45.3 67.9
119 32.6 25.4 38.0

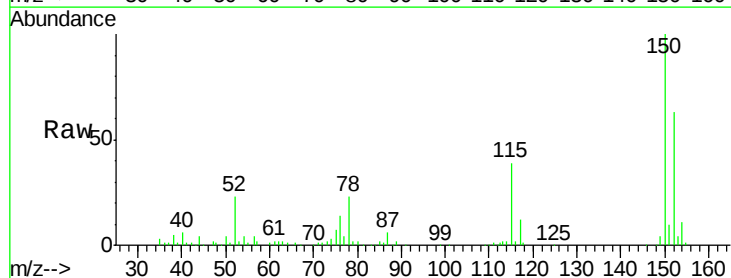


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

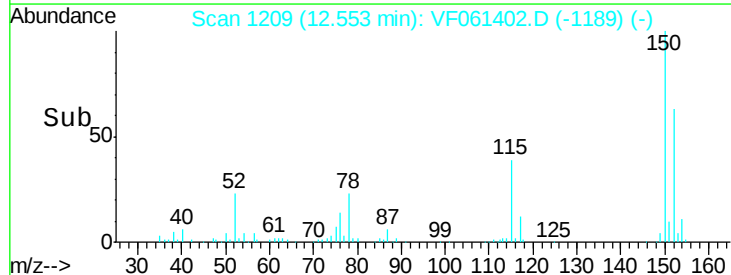
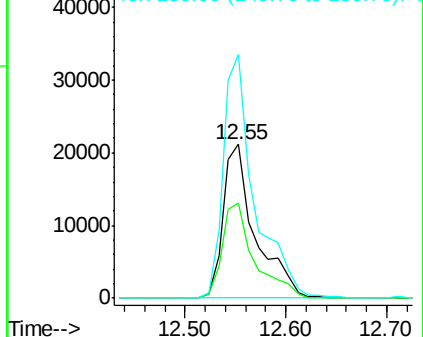


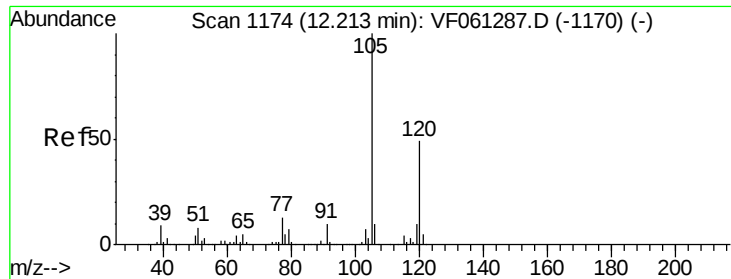
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF061402.D
Acq: 14 Jan 2019 21:23

Tgt Ion:152 Resp: 46845
Ion Ratio Lower Upper
152 100
115 61.7 29.6 88.9
150 158.2 0.0 315.4



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





#84
 1,2,4-Trimethylbenzene
 Concen: 1.160 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF061402.D
 Acq: 14 Jan 2019 21:23

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:105 Resp: 3779
 Ion Ratio Lower Upper
 105 100
 120 28.7 24.7 74.1

