

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121418\
 Data File : VF061029.D
 Acq On : 14 Dec 2018 19:34
 Operator : VA/AP
 Sample : J6403-45RE
 Misc : 5.28g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 15 00:08:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

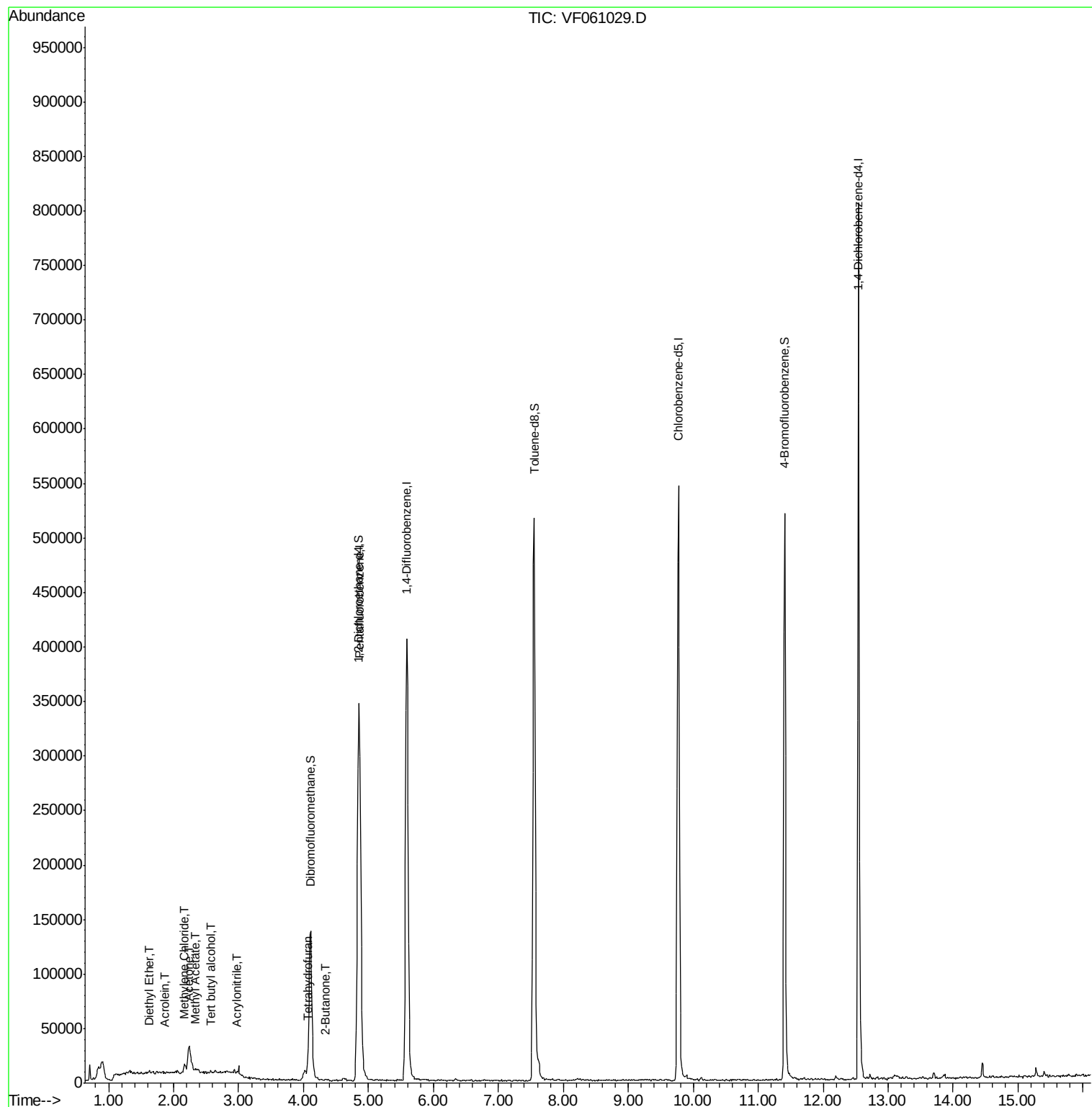
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	270623	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	469514	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	393824	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	194937	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	147017	46.12	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	92.24%	
35) Dibromofluoromethane	4.11	113	133345	35.80	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	71.60%	
50) Toluene-d8	7.55	98	428526	39.06	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	78.12%	
62) 4-Bromofluorobenzene	11.41	95	201758	40.46	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	80.92%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.62	74	758	1.000	ug/l	77
11) Tert butyl alcohol	2.57	59	562	4.300	ug/l #	1
13) Acrolein	1.87	56	208	1.680	ug/l	85
15) Acrylonitrile	2.96	53	813	2.775	ug/l #	52
16) Acetone	2.23	43	37174	63.233	ug/l	98
18) Methyl Acetate	2.34	43	3922	2.405	ug/l #	84
20) Methylene Chloride	2.17	84	2828	1.311	ug/l	88
25) 2-Butanone	4.33	43	1137	1.118	ug/l #	57
29) Tetrahydrofuran	4.05	42	804	1.865	ug/l #	37
41) Methacrylonitrile	4.75	41	78	Below Cal	#	43
43) Isopropyl Acetate	6.92	43	298	Below Cal	#	49
95) Naphthalene	14.45	128	9921	Below Cal		98

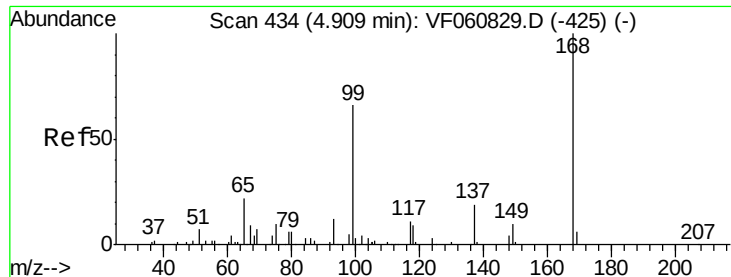
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121418\
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Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Dec 15 00:08:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF061029.D

Acq: 14 Dec 2018 19:34

Instrument :

MSVOA_F

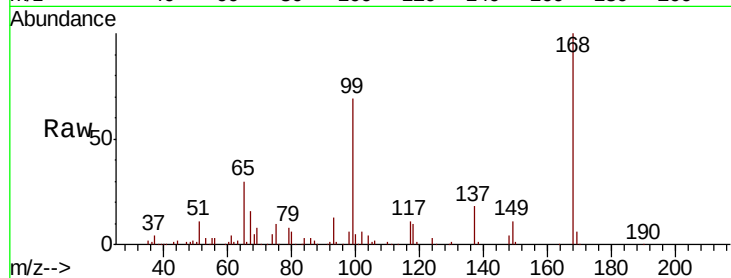
ClientSampleId :

Tot Ion:168 Resp: 270623

Ion Ratio Lower Upper

168 100

99 68.6 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

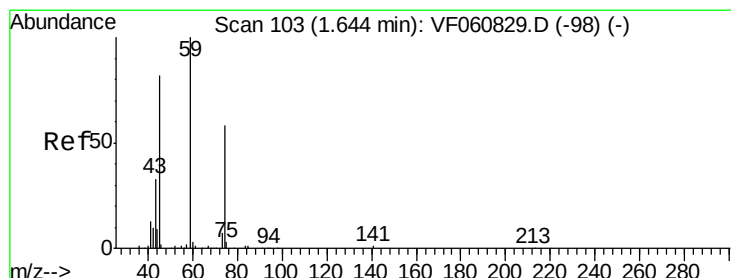
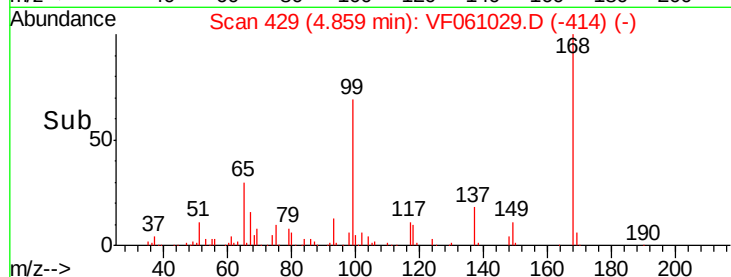
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.000 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.02 min

Lab File: VF061029.D

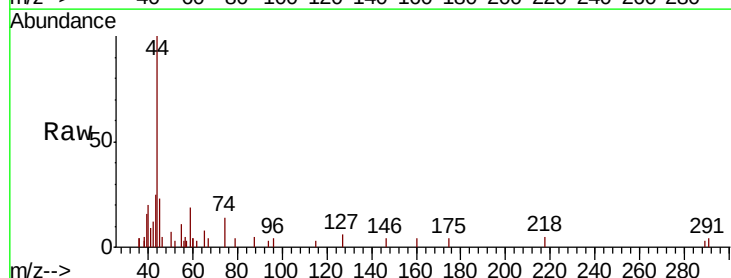
Acq: 14 Dec 2018 19:34

Tgt Ion: 74 Resp: 758

Ion Ratio Lower Upper

74 100

45 170.3 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

800

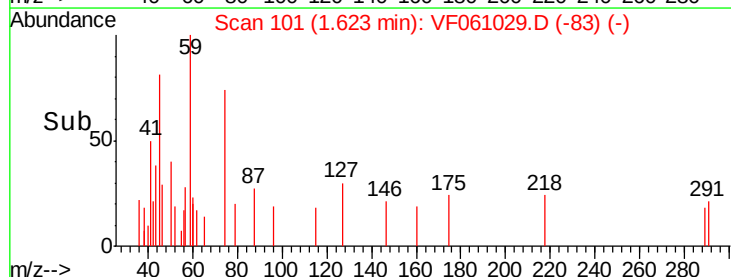
600

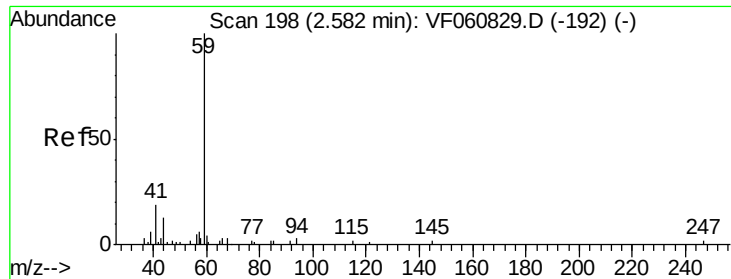
400

200

0

Time-->



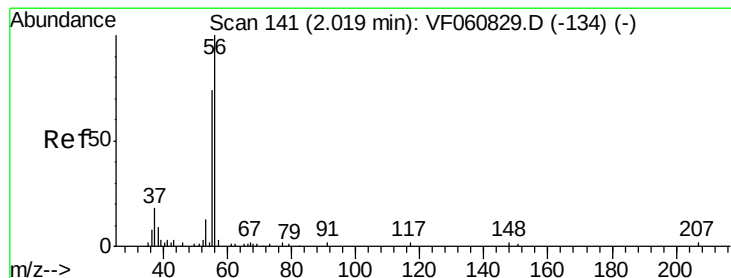
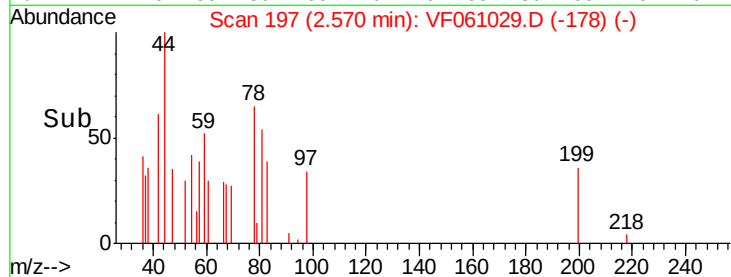
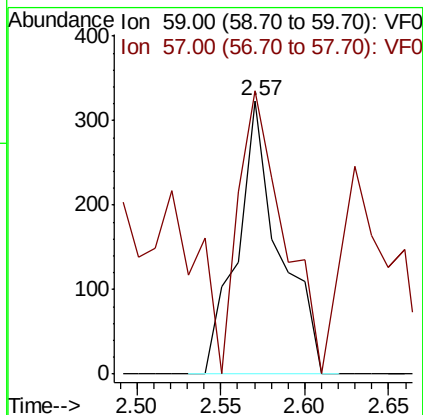
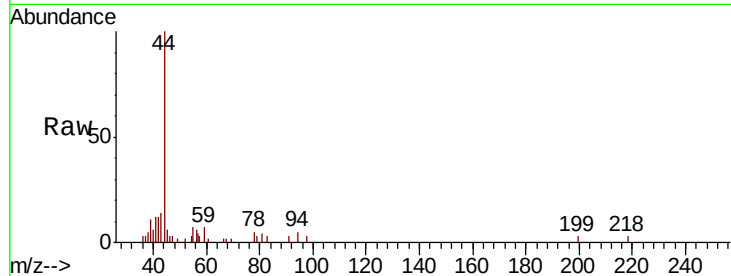


#11

Tert butyl alcohol
Concen: 4.300 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061029.D
Acq: 14 Dec 2018 19:34

Instrument :
MSVOA_F
ClientSampled :

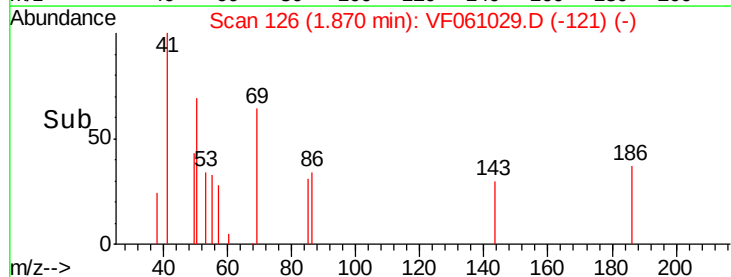
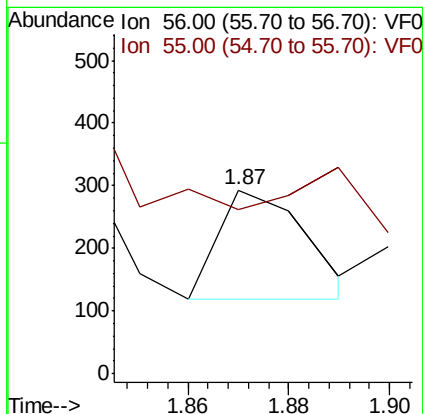
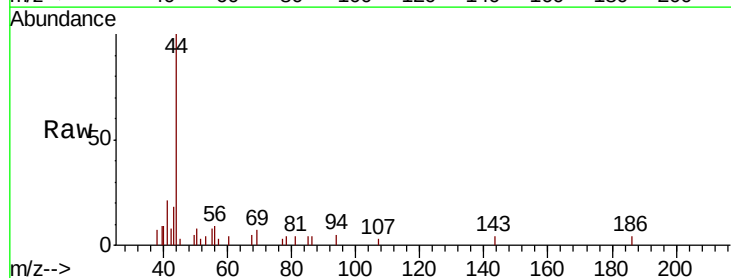
Tot Ion: 59 Resp: 562
Ion Ratio Lower Upper
59 100
57 103.4 12.7 19.1#

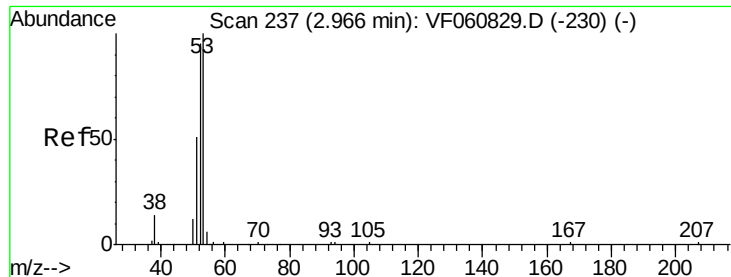


#13

Acrolein
Concen: 1.680 ug/l
RT: 1.87 min Scan# 126
Delta R.T. -0.15 min
Lab File: VF061029.D
Acq: 14 Dec 2018 19:34

Tgt Ion: 56 Resp: 208
Ion Ratio Lower Upper
56 100
55 89.4 61.2 91.8





#15

Acrylonitrile

Concen: 2.775 ug/l

RT: 2.96 min Scan# 237

Delta R.T. -0.00 min

Lab File: VF061029.D

Acq: 14 Dec 2018 19:34

Instrument :

MSVOA_F

ClientSampleId :

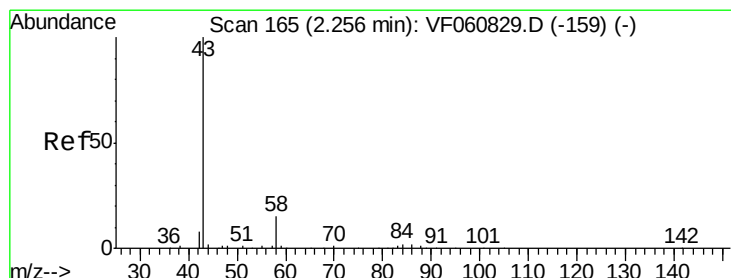
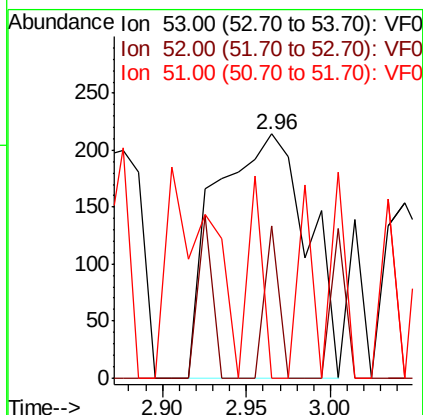
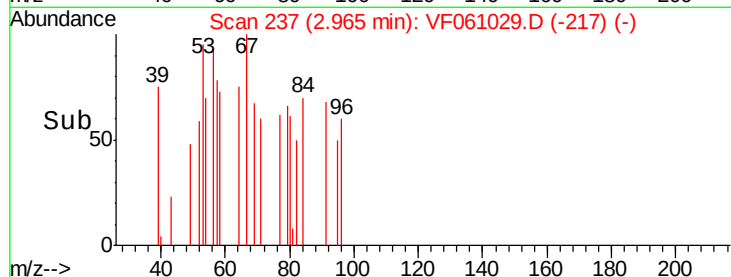
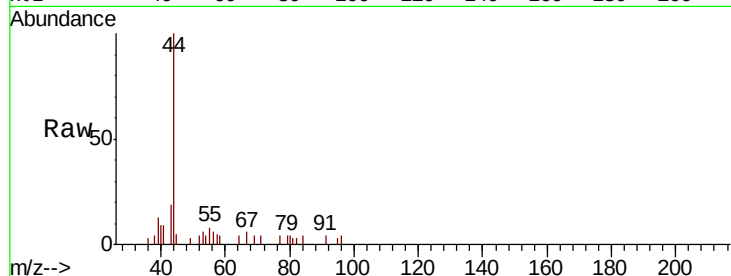
Tot Ion: 53 Resp: 813

Ion Ratio Lower Upper

53 100

52 62.1 76.5 114.7#

51 0.0 40.7 61.1#



#16

Acetone

Concen: 63.233 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.03 min

Lab File: VF061029.D

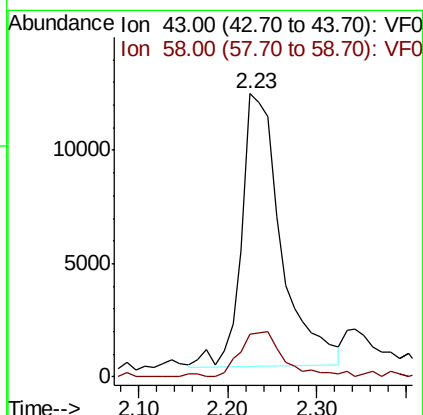
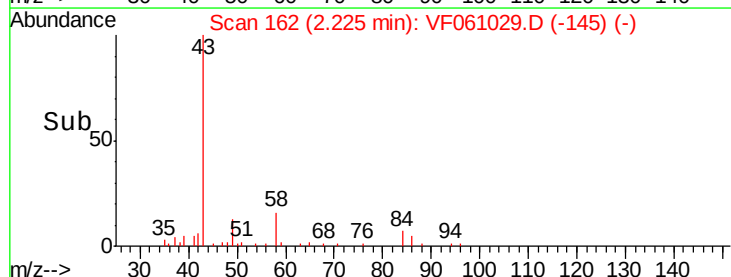
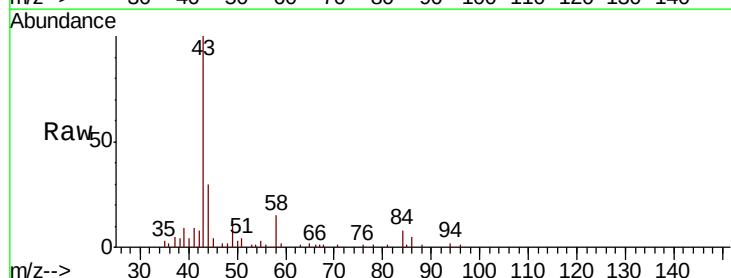
Acq: 14 Dec 2018 19:34

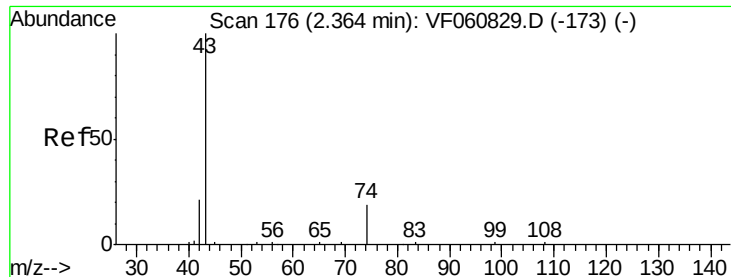
Tgt Ion: 43 Resp: 37174

Ion Ratio Lower Upper

43 100

58 15.1 11.4 17.2

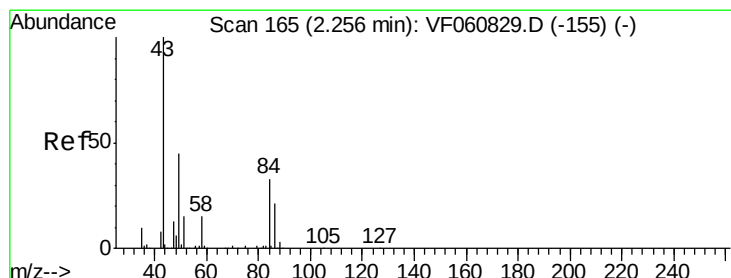
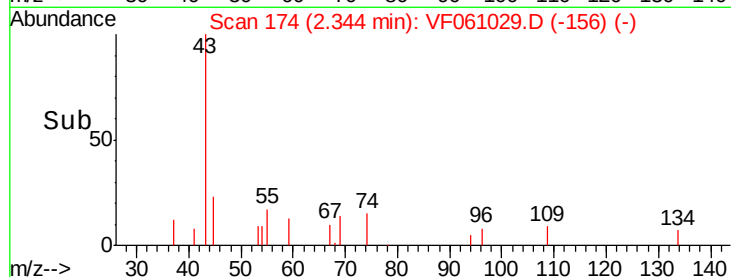
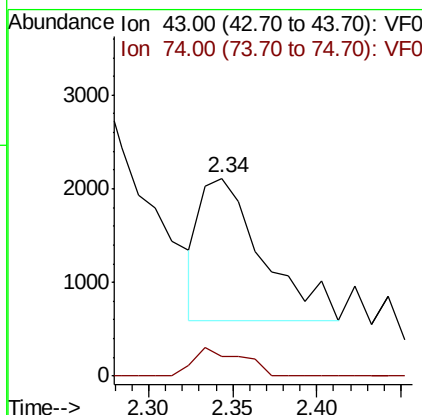
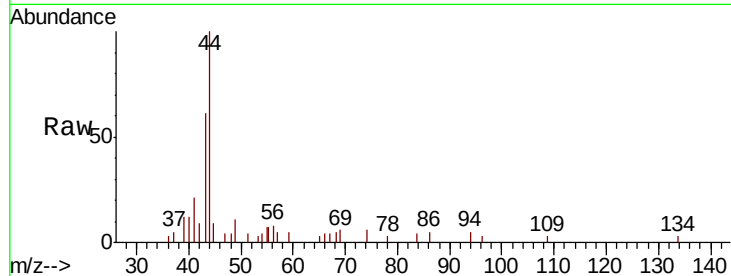




#18
Methyl Acetate
Concen: 2.405 ug/l
RT: 2.34 min Scan# 174
Delta R.T. -0.02 min
Lab File: VF061029.D
Acq: 14 Dec 2018 19:34

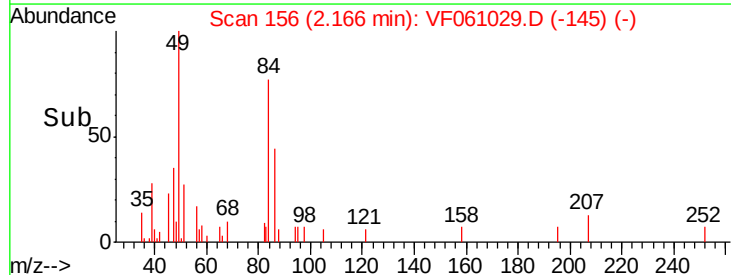
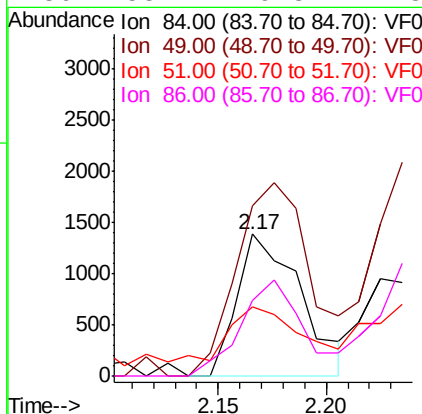
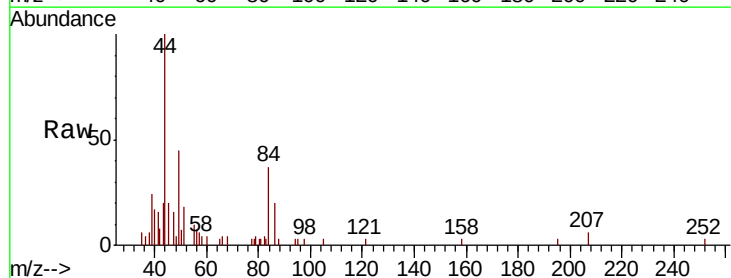
Instrument :
MSVOA_F
ClientSampleId :

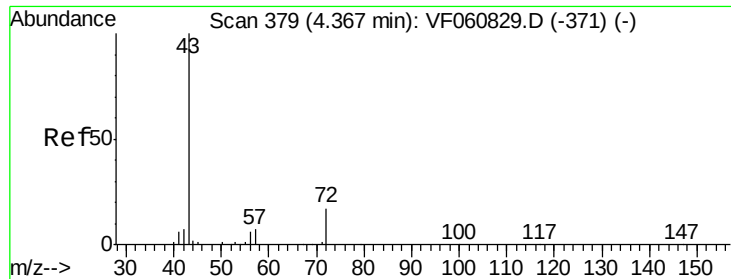
Tot Ion: 43 Resp: 3922
Ion Ratio Lower Upper
43 100
74 9.9 13.3 19.9#



#20
Methylene Chloride
Concen: 1.311 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.09 min
Lab File: VF061029.D
Acq: 14 Dec 2018 19:34

Tgt Ion: 84 Resp: 2828
Ion Ratio Lower Upper
84 100
49 120.1 111.3 166.9
51 48.8 38.0 57.0
86 53.4 49.8 74.8





#25

2-Butanone

Concen: 1.118 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.04 min

Lab File: VF061029.D

Acq: 14 Dec 2018 19:34

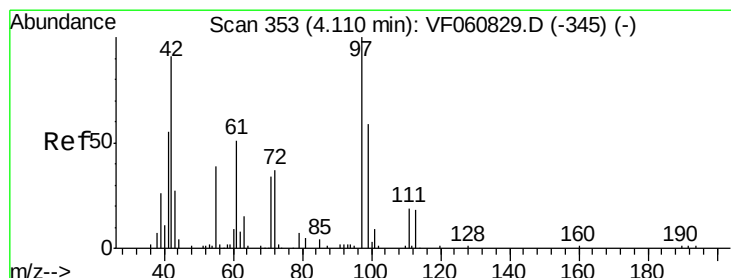
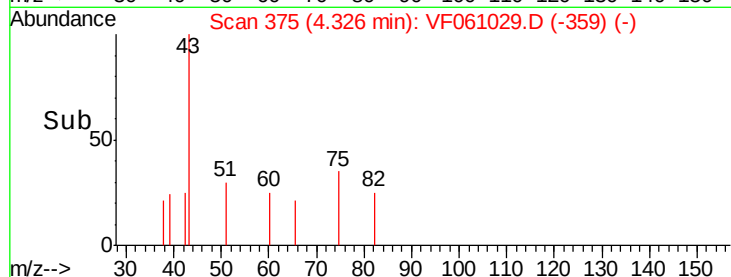
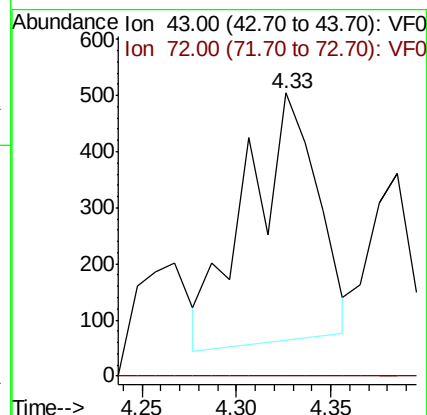
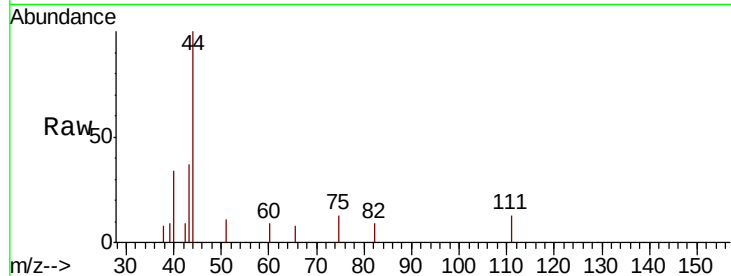
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 1137

Ion Ratio Lower Upper

43 100

72 0.0 15.4 23.2#



#29

Tetrahydrofuran

Concen: 1.865 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.06 min

Lab File: VF061029.D

Acq: 14 Dec 2018 19:34

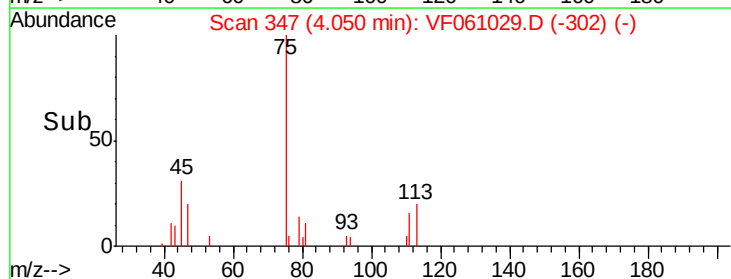
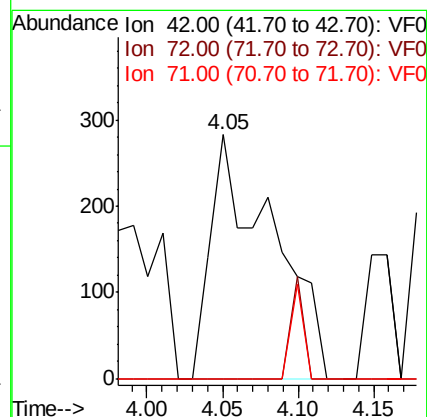
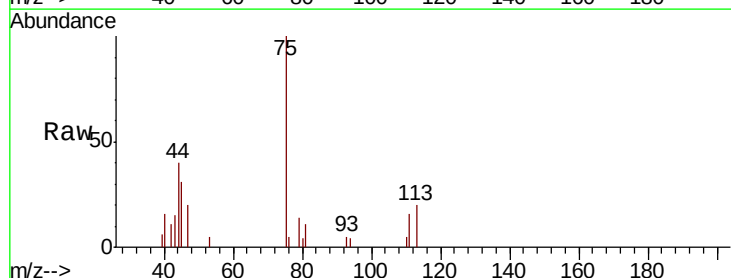
Tgt Ion: 42 Resp: 804

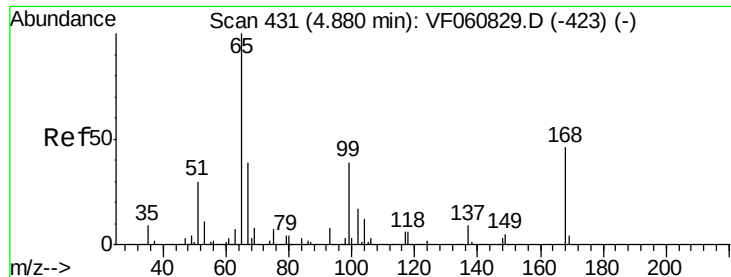
Ion Ratio Lower Upper

42 100

72 0.0 31.9 47.9#

71 0.0 28.7 43.1#

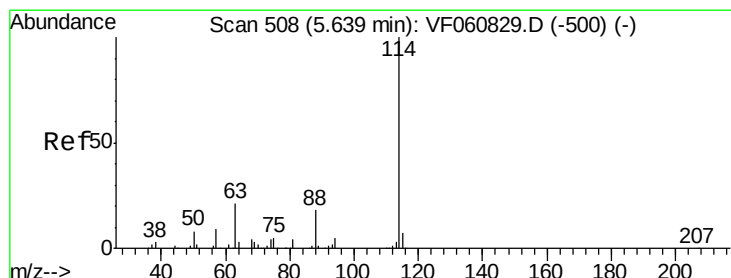
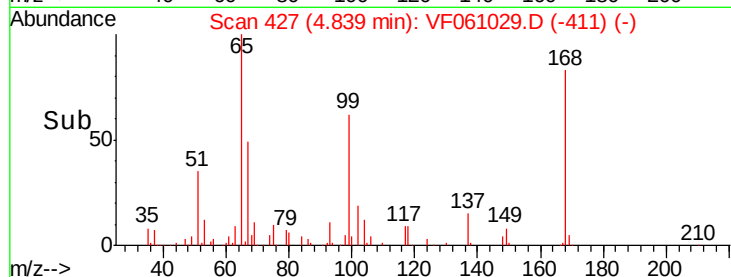
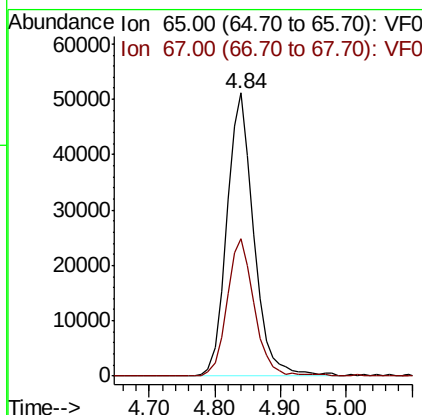
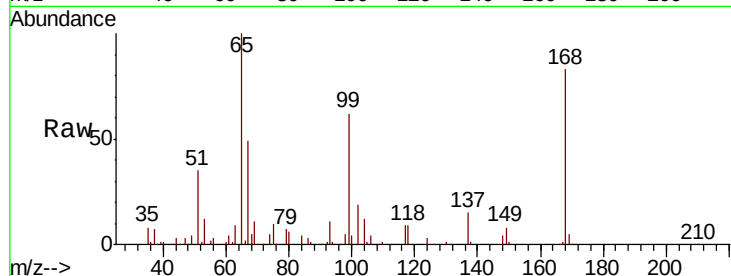




#33
 1,2-Dichloroethane-d4
 Concen: 46.115 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.04 min
 Lab File: VF061029.D
 Acq: 14 Dec 2018 19:34

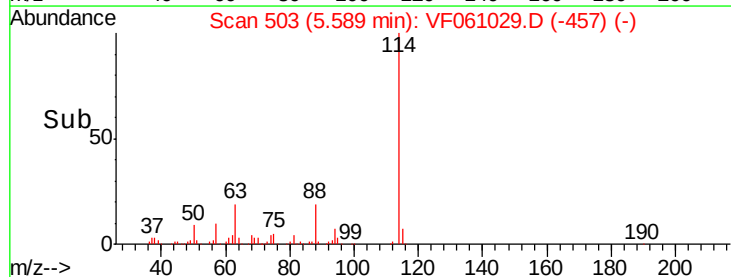
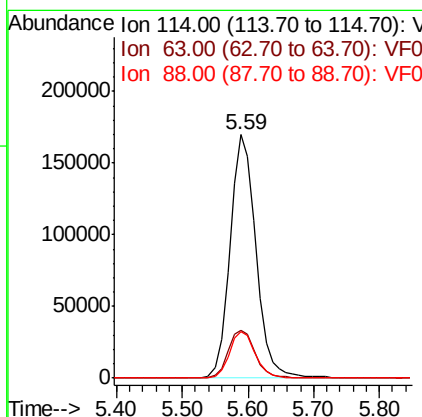
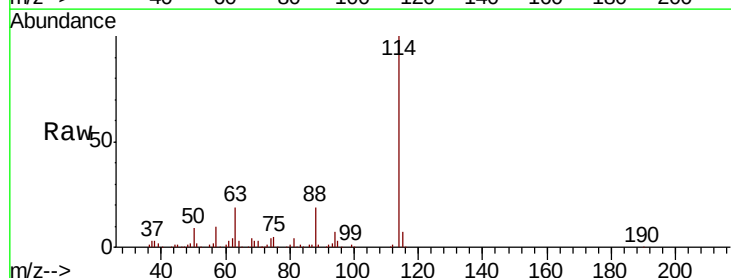
Instrument :
 MSVOA_F
 ClientSampled :

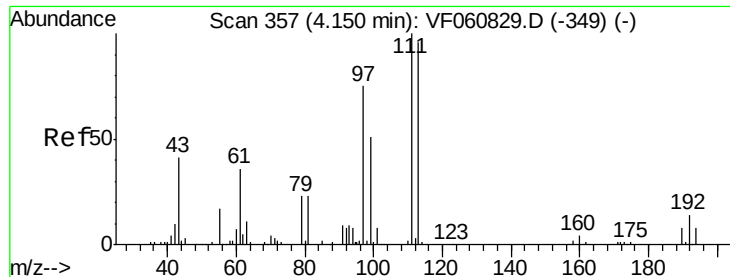
Tot Ion: 65 Resp: 147017
 Ion Ratio Lower Upper
 65 100
 67 48.7 0.0 96.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.05 min
 Lab File: VF061029.D
 Acq: 14 Dec 2018 19:34

Tgt Ion: 114 Resp: 469514
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 41.6
 88 19.2 0.0 36.6





#35

Dibromofluoromethane

Concen: 35.799 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF061029.D

Acq: 14 Dec 2018 19:34

Instrument :
MSVOA_F
ClientSampled :

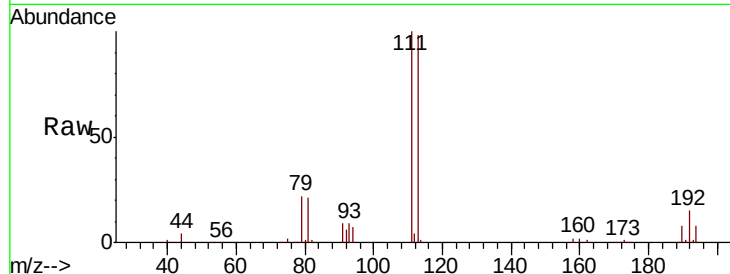
Tot Ion:113 Resp: 133345

Ion Ratio Lower Upper

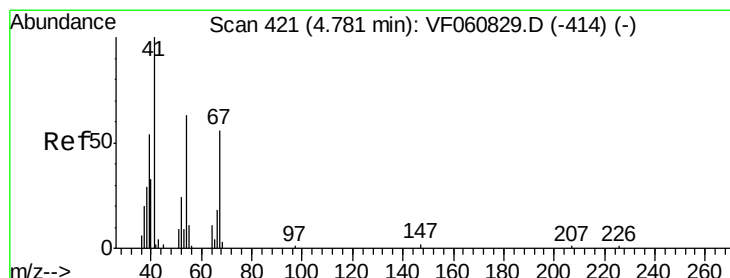
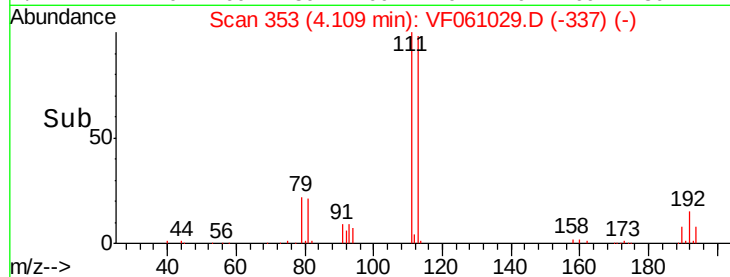
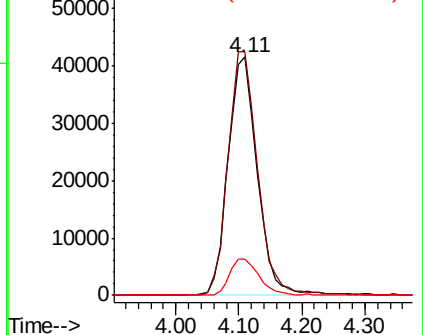
113 100

111 102.3 83.0 124.6

192 15.1 12.3 18.5



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: Below Cal

RT: 4.75 min Scan# 418

Delta R.T. -0.03 min

Lab File: VF061029.D

Acq: 14 Dec 2018 19:34

Tgt Ion: 41 Resp: 78

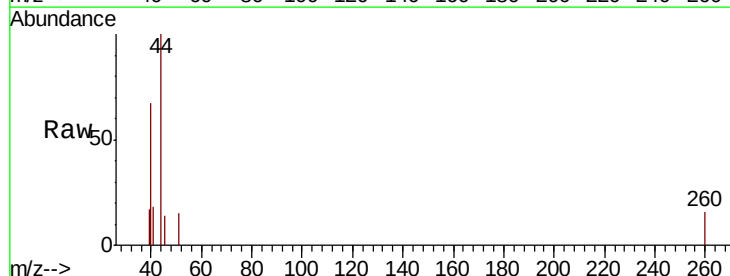
Ion Ratio Lower Upper

41 100

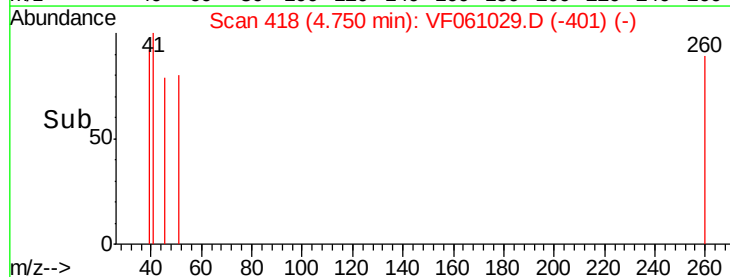
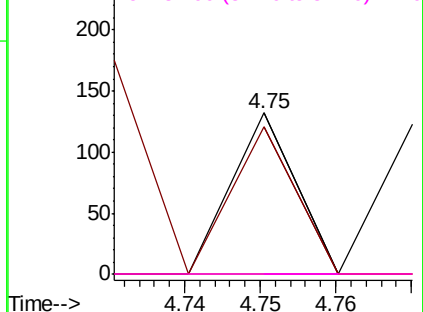
39 91.7 53.0 79.6#

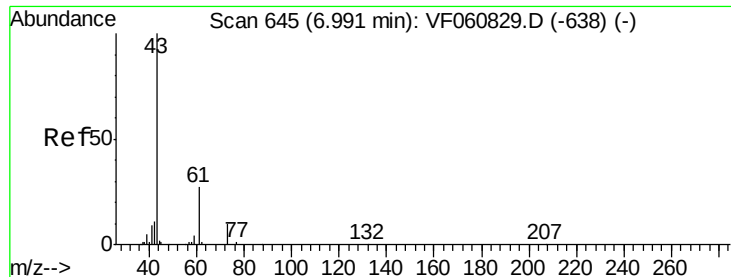
67 0.0 43.8 65.6#

52 0.0 37.8 56.8#



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

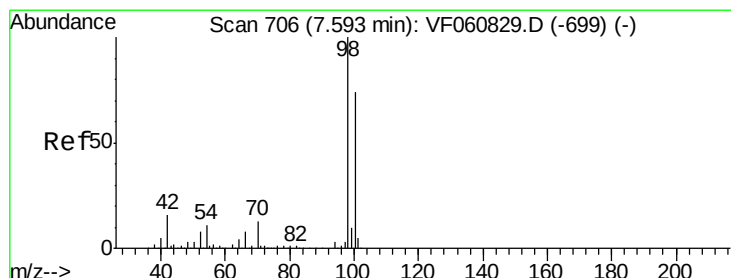
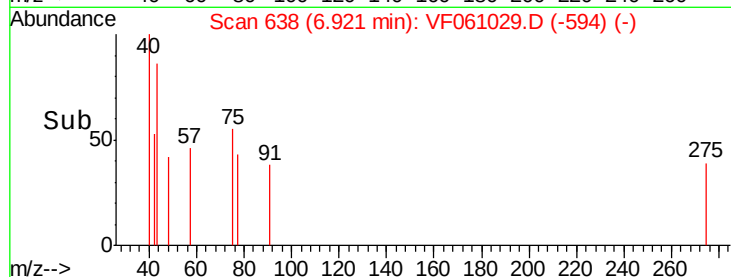
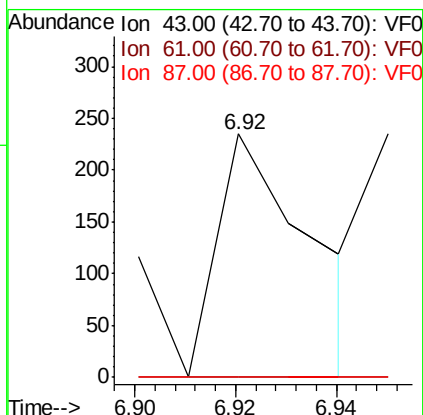
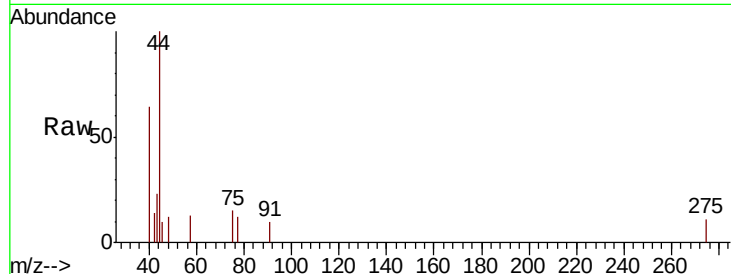




#43
Isopropyl Acetate
Concen: Below Cal
RT: 6.92 min Scan# 638
Delta R.T. -0.07 min
Lab File: VF061029.D
Acq: 14 Dec 2018 19:34

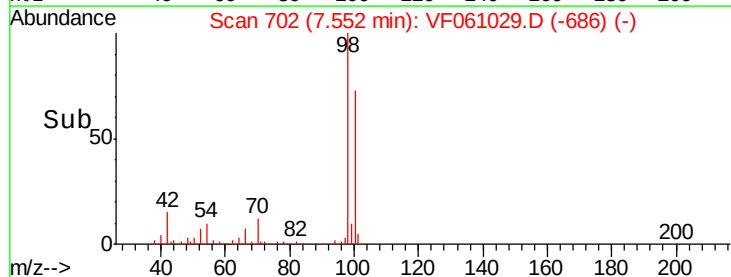
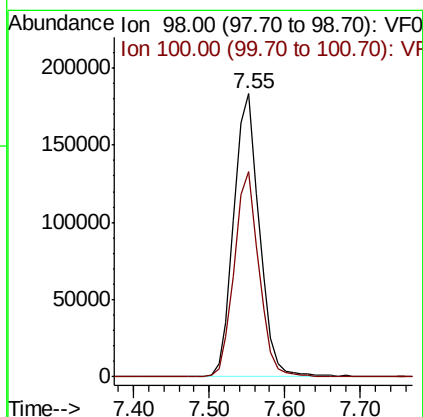
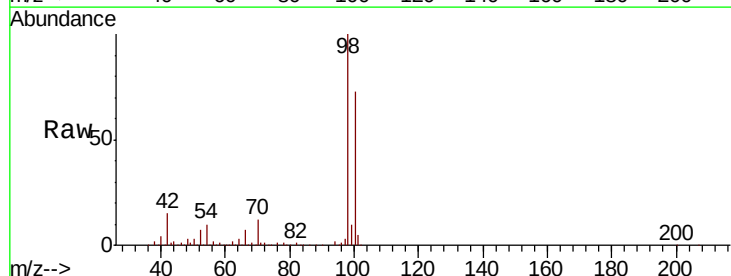
Instrument :
MSVOA_F
ClientSampleId :

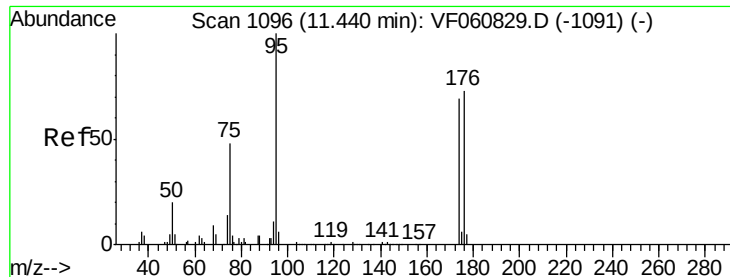
Tot Ion: 43 Resp: 298
Ion Ratio Lower Upper
43 100
61 0.0 21.4 32.0#
87 0.0 0.2 0.4#



#50
Toluene-d8
Concen: 39.056 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.04 min
Lab File: VF061029.D
Acq: 14 Dec 2018 19:34

Tgt Ion: 98 Resp: 428526
Ion Ratio Lower Upper
98 100
100 72.6 59.3 88.9





#62

4-Bromofluorobenzene

Concen: 40.460 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF061029.D

Acq: 14 Dec 2018 19:34

Instrument :

MSVOA_F

ClientSampleId :

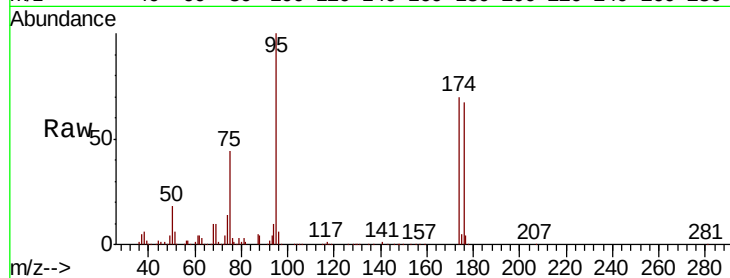
Tot Ion: 95 Resp: 201758

Ion Ratio Lower Upper

95 100

174 69.7 0.0 138.2

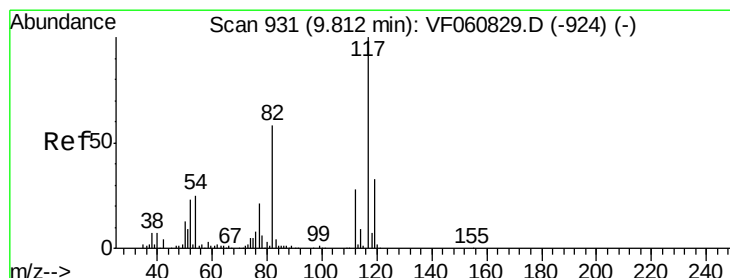
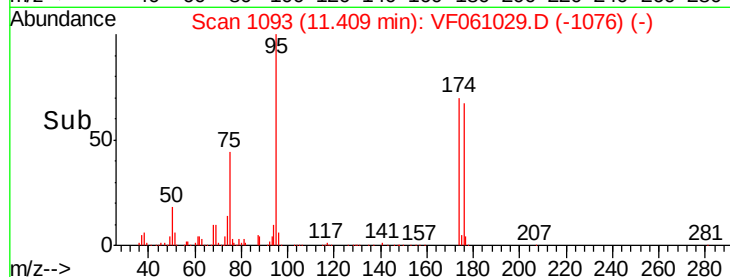
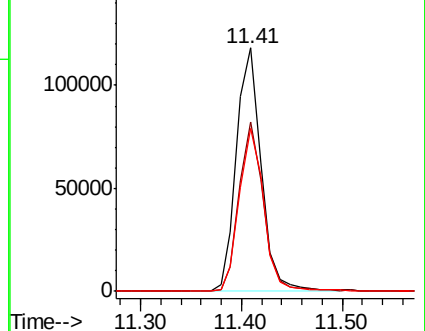
176 66.7 0.0 146.2



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.04 min

Lab File: VF061029.D

Acq: 14 Dec 2018 19:34

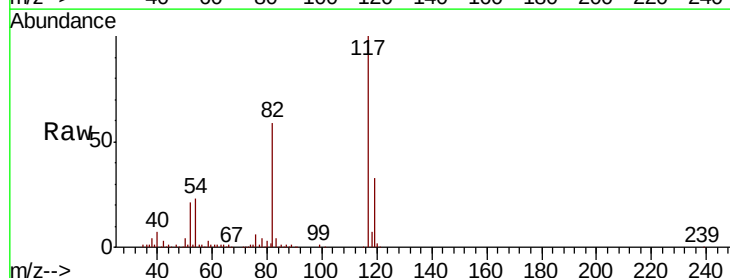
Tgt Ion: 117 Resp: 393824

Ion Ratio Lower Upper

117 100

82 59.0 46.6 69.8

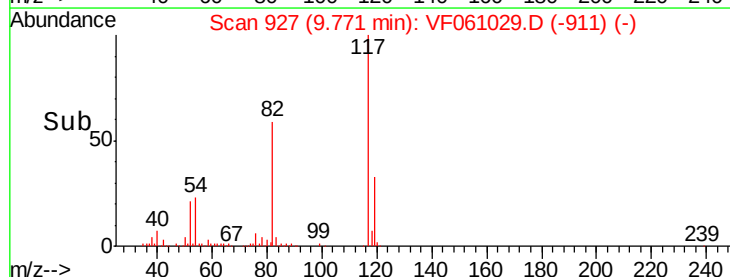
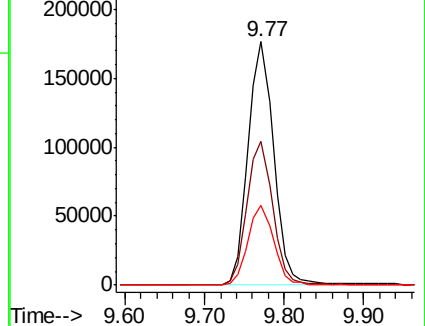
119 32.8 26.4 39.6

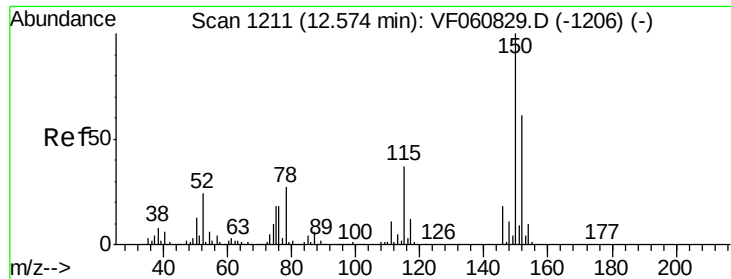


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



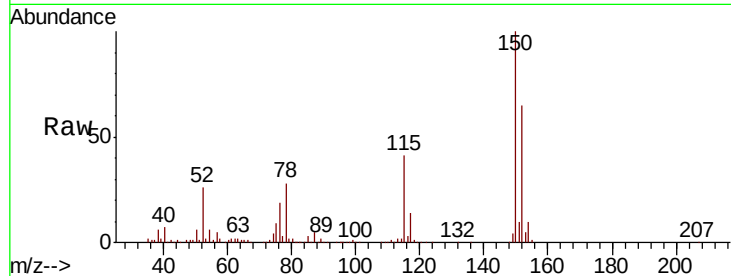


#72

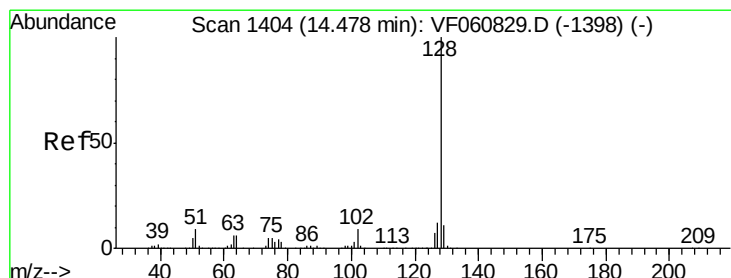
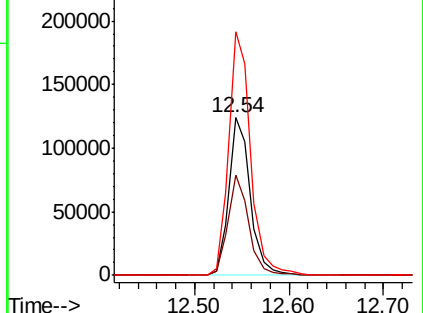
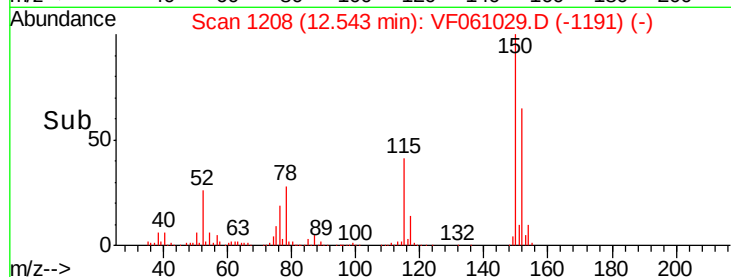
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF061029.D
Acq: 14 Dec 2018 19:34

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:152 Resp: 194937
Ion Ratio Lower Upper
152 100
115 63.9 30.1 90.5
150 154.4 0.0 327.6



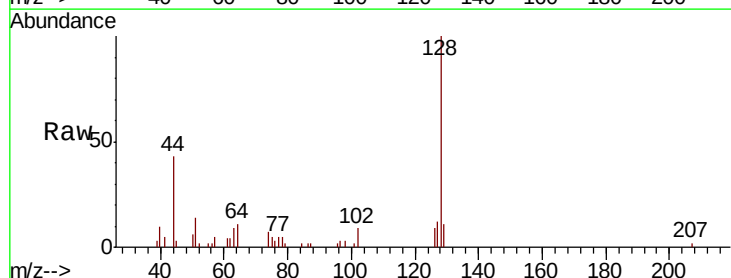
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



#95

Naphthalene
Concen: Below Cal
RT: 14.45 min Scan# 1401
Delta R.T. -0.03 min
Lab File: VF061029.D
Acq: 14 Dec 2018 19:34

Tgt Ion:128 Resp: 9921
Ion Ratio Lower Upper
128 100
127 11.6 9.9 14.9
129 10.7 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

