

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121818\
 Data File : VF061066.D
 Acq On : 18 Dec 2018 16:53
 Operator : VA/AP
 Sample : J6391-18RE
 Misc : 5.44G/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS018-1218-01RE

Quant Time: Dec 19 00:52:31 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

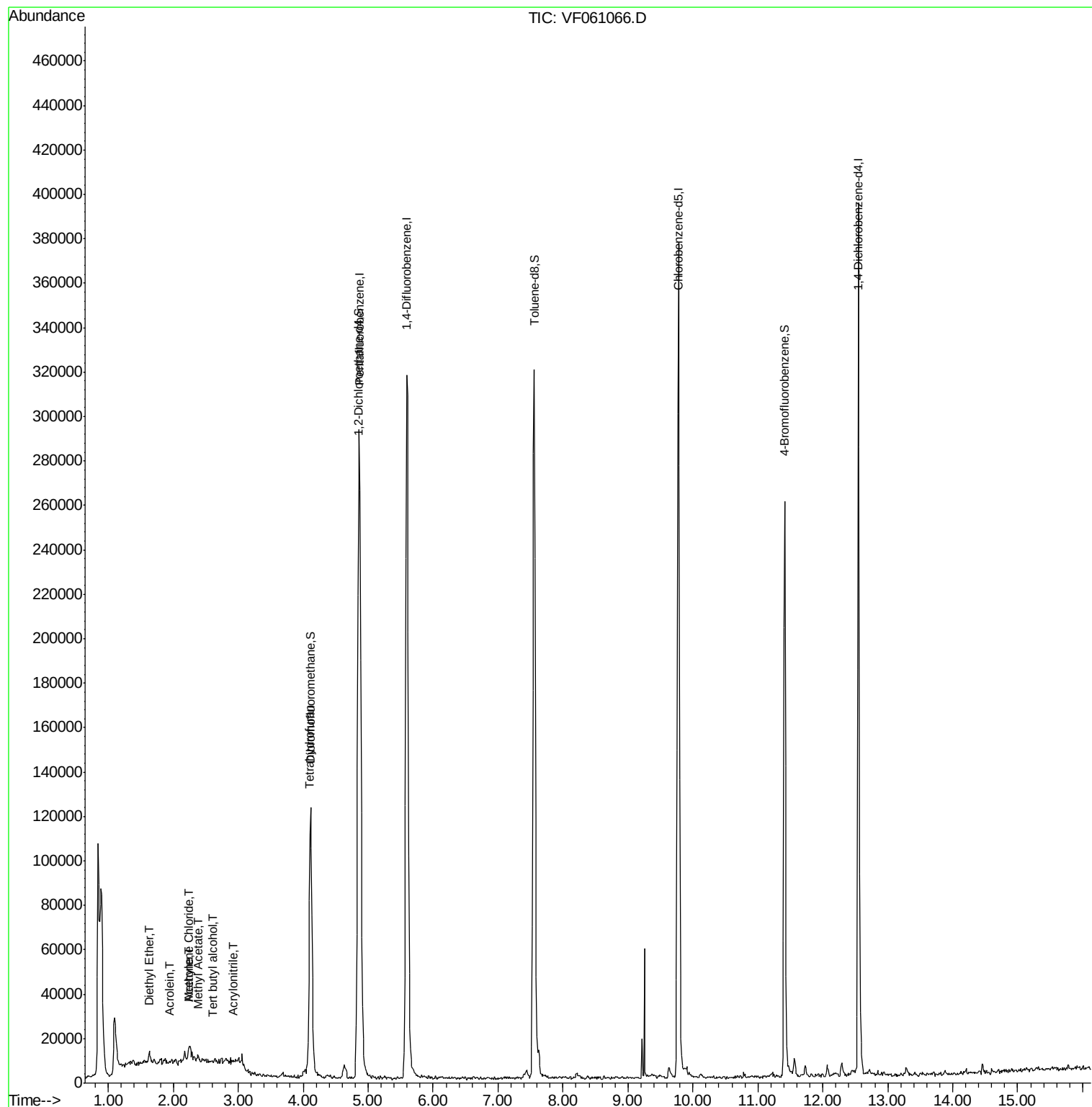
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	217915	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.59	114	351255	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.78	117	257432	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	94617	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	110834	43.17	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	86.34%	
35) Dibromofluoromethane	4.11	113	116962	41.97	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	83.94%	
50) Toluene-d8	7.56	98	267788	32.62	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	65.24%	
62) 4-Bromofluorobenzene	11.41	95	97329	26.09	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	52.18%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.63	74	1564	2.563	ug/l	86
11) Tert butyl alcohol	2.60	59	255	2.423	ug/l #	1
13) Acrolein	1.95	56	424	4.253	ug/l	98
15) Acrylonitrile	2.93	53	887	3.760	ug/l #	11
16) Acetone	2.23	43	3263	6.893	ug/l #	87
18) Methyl Acetate	2.37	43	2270	1.248	ug/l #	61
20) Methylene Chloride	2.25	84	3873	2.230	ug/l #	41
29) Tetrahydrofuran	4.09	42	858	2.472	ug/l #	43
41) Methacrylonitrile	4.74	41	280	Below Cal	#	52
43) Isopropyl Acetate	6.95	43	251	Below Cal	#	49
95) Naphthalene	14.45	128	2088	Below Cal	#	91

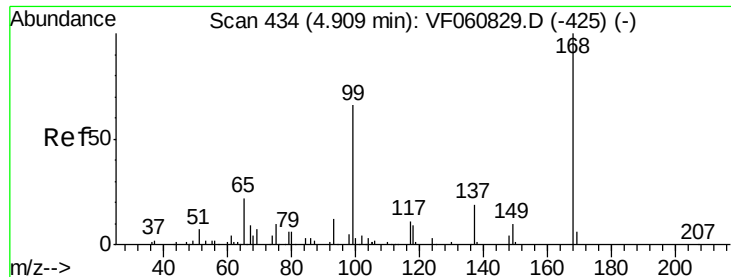
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121818\
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Quant Time: Dec 19 00:52:31 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: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF061066.D

Acq: 18 Dec 2018 16:53

Instrument :

MSVOA_F

ClientSampleId :

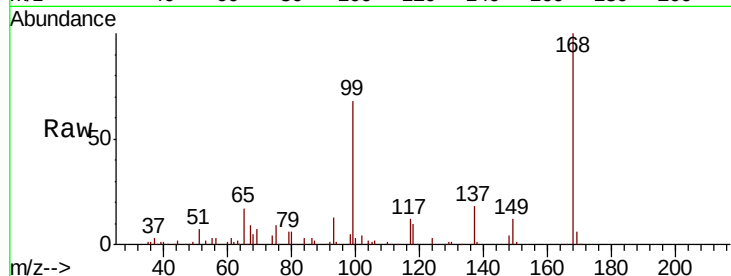
P001-SS018-1218-01RE

Tot Ion:168 Resp: 217915

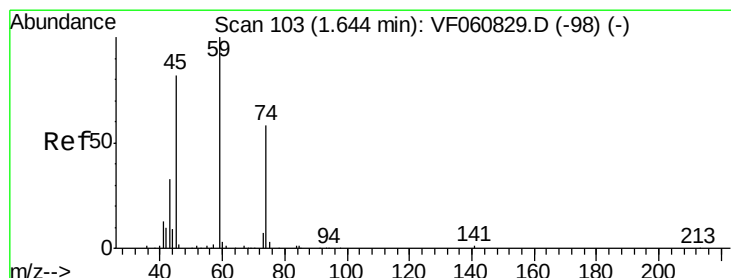
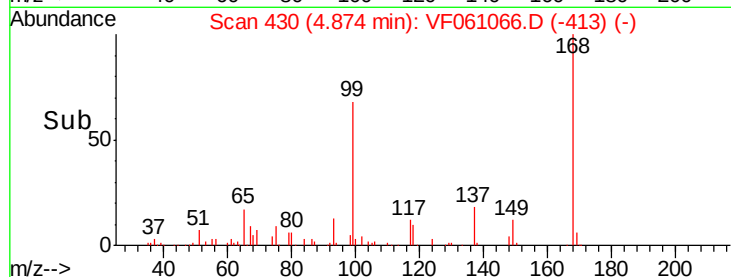
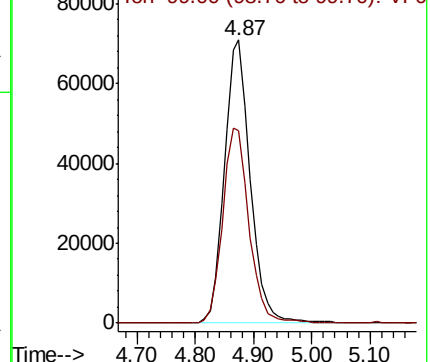
Ion Ratio Lower Upper

168 100

99 67.9 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0



#8

Diethyl Ether

Concen: 2.563 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.02 min

Lab File: VF061066.D

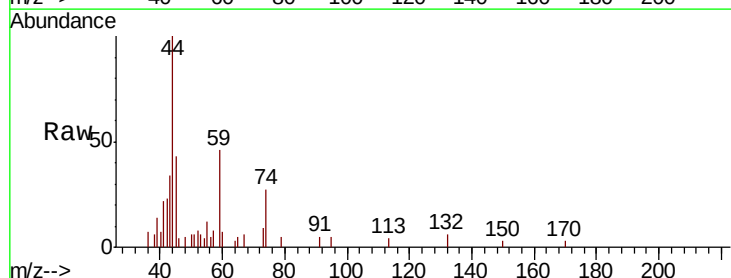
Acq: 18 Dec 2018 16:53

Tgt Ion: 74 Resp: 1564

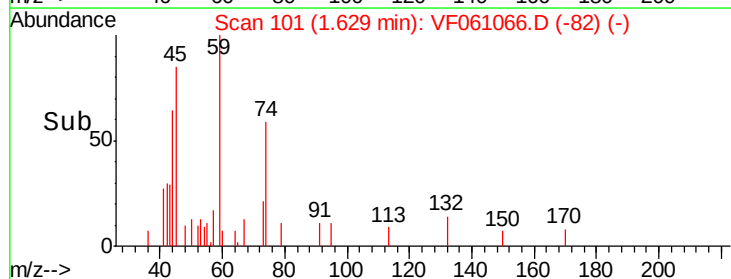
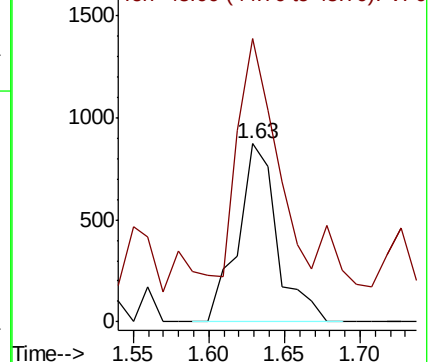
Ion Ratio Lower Upper

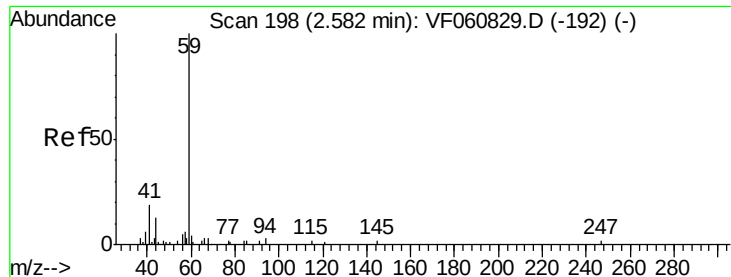
74 100

45 159.1 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0



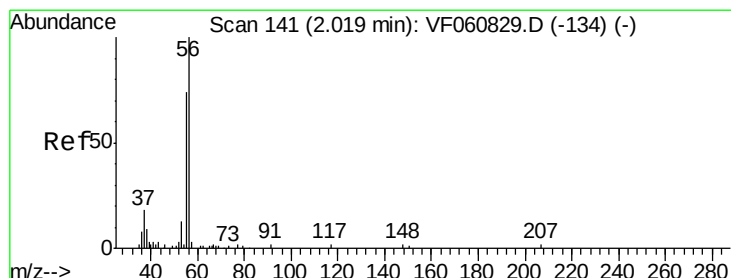
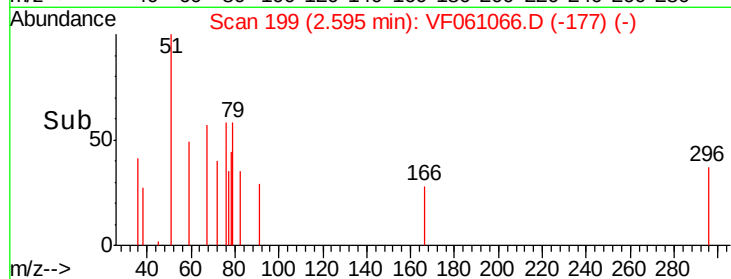
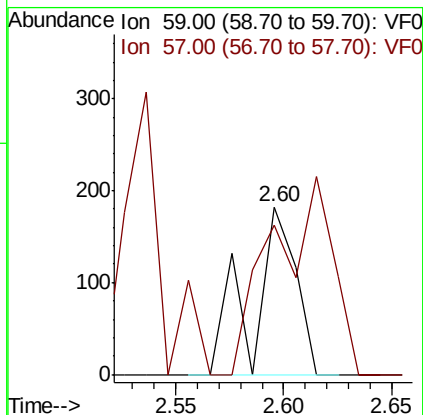
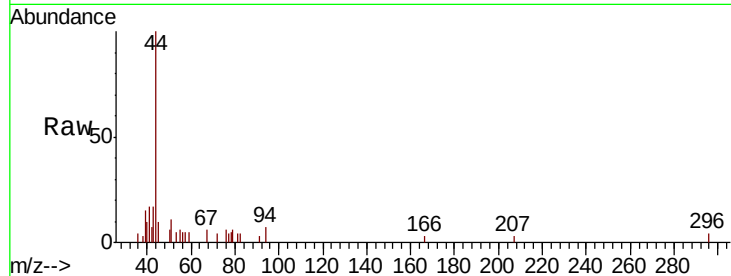


#11

Tert butyl alcohol
 Concen: 2.423 ug/l
 RT: 2.60 min Scan# 199
 Delta R.T. 0.01 min
 Lab File: VF061066.D
 Acq: 18 Dec 2018 16:53

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS018-1218-01RE

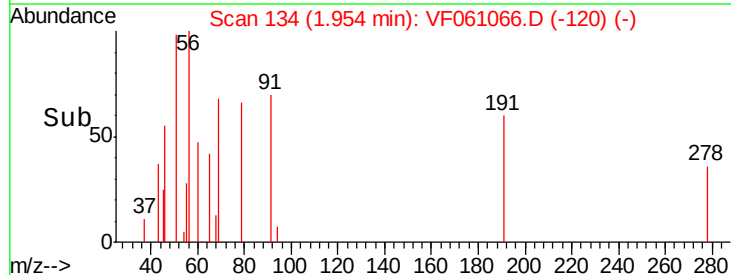
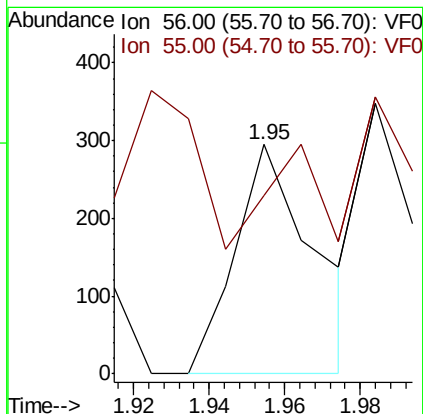
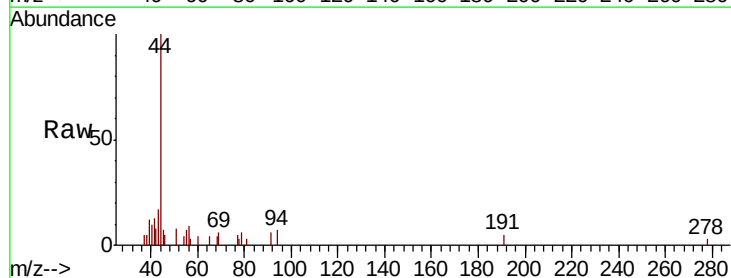
Tot Ion: 59 Resp: 255
 Ion Ratio Lower Upper
 59 100
 57 89.6 12.7 19.1#

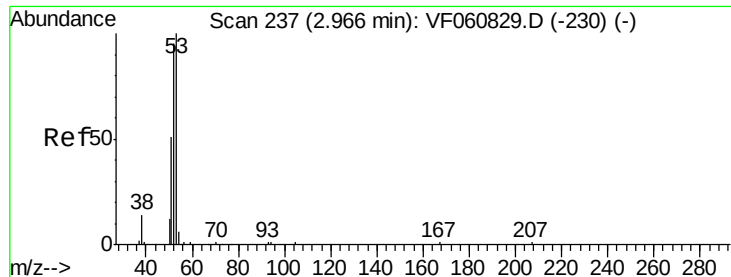


#13

Acrolein
 Concen: 4.253 ug/l
 RT: 1.95 min Scan# 134
 Delta R.T. -0.06 min
 Lab File: VF061066.D
 Acq: 18 Dec 2018 16:53

Tgt Ion: 56 Resp: 424
 Ion Ratio Lower Upper
 56 100
 55 78.0 61.2 91.8





#15

Acrylonitrile

Concen: 3.760 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.04 min

Lab File: VF061066.D

Acq: 18 Dec 2018 16:53

Instrument :

MSVOA_F

ClientSampleId :

P001-SS018-1218-01RE

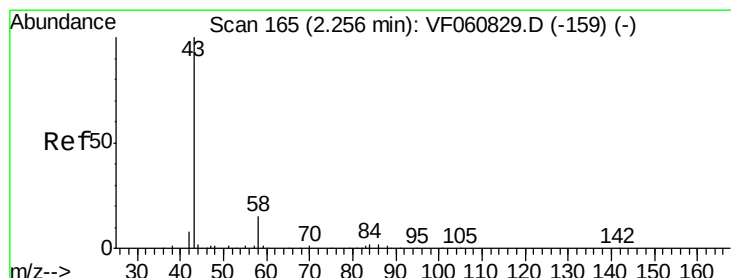
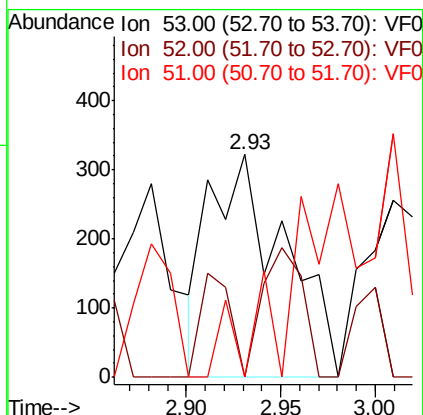
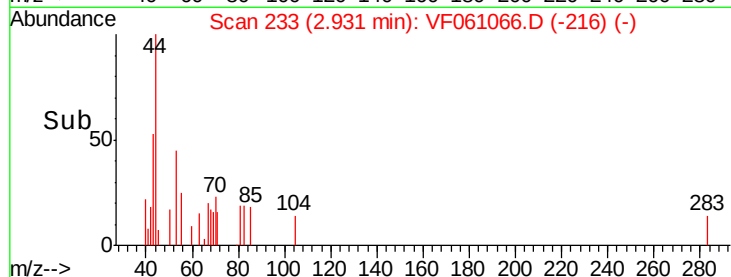
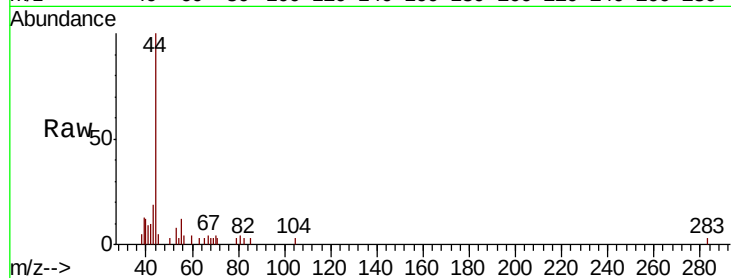
Tot Ion: 53 Resp: 887

Ion Ratio Lower Upper

53 100

52 0.0 76.5 114.7#

51 0.0 40.7 61.1#



#16

Acetone

Concen: 6.893 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.03 min

Lab File: VF061066.D

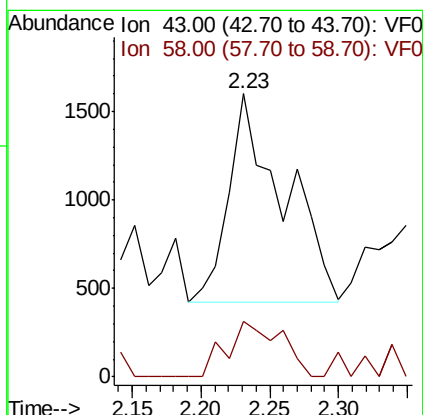
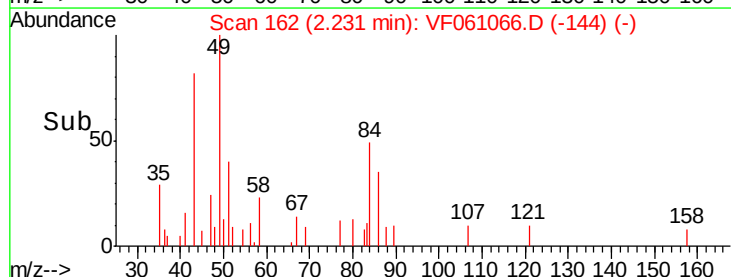
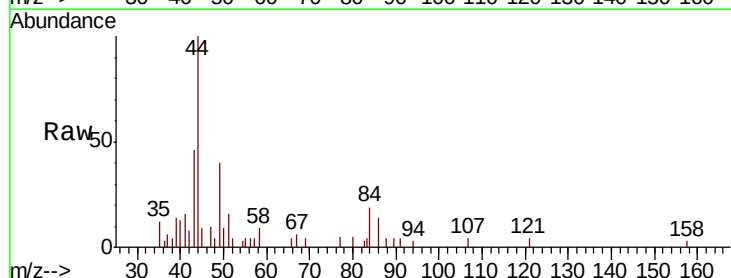
Acq: 18 Dec 2018 16:53

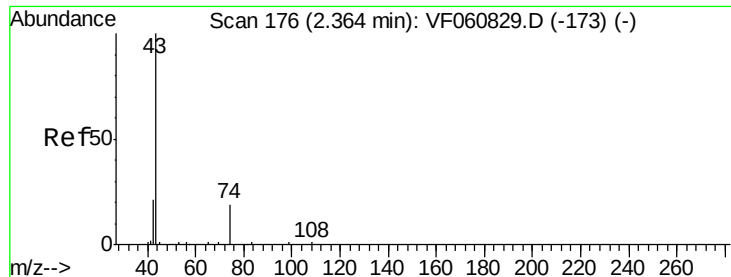
Tgt Ion: 43 Resp: 3263

Ion Ratio Lower Upper

43 100

58 19.6 11.4 17.2#

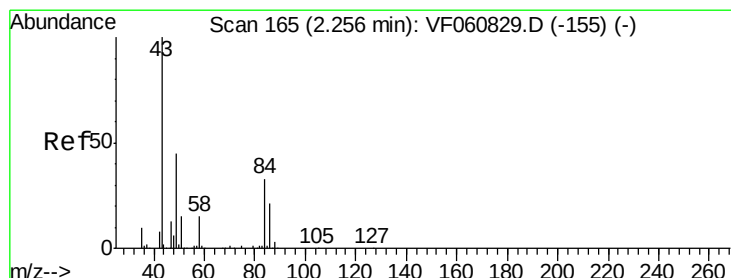
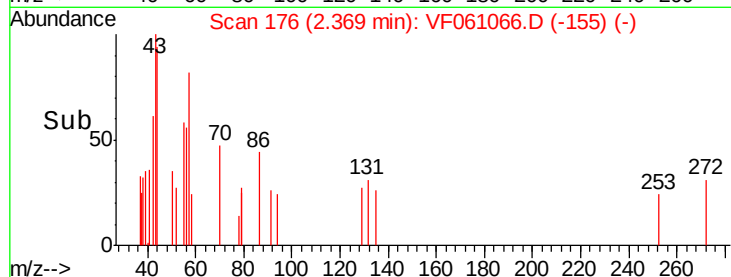
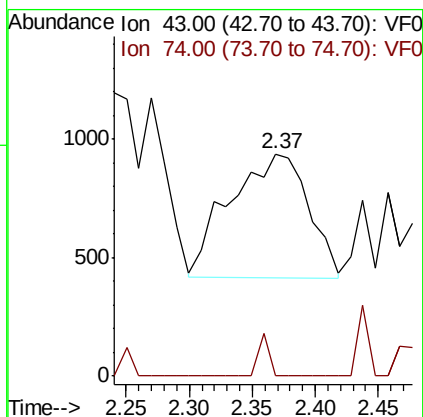
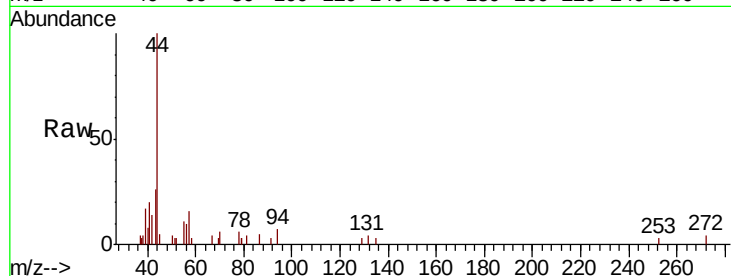




#18
Methyl Acetate
Concen: 1.248 ug/l
RT: 2.37 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF061066.D
Acq: 18 Dec 2018 16:53

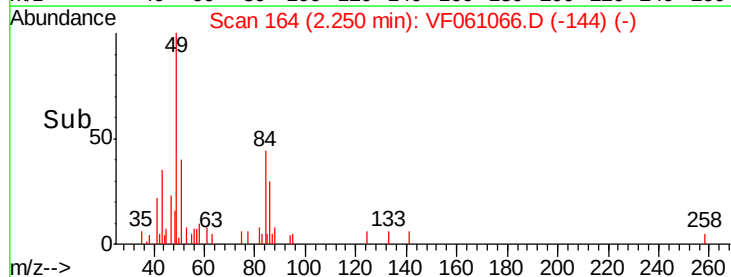
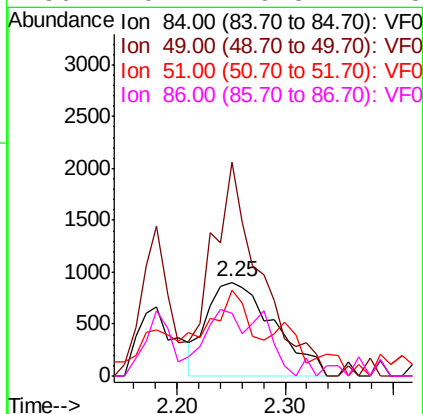
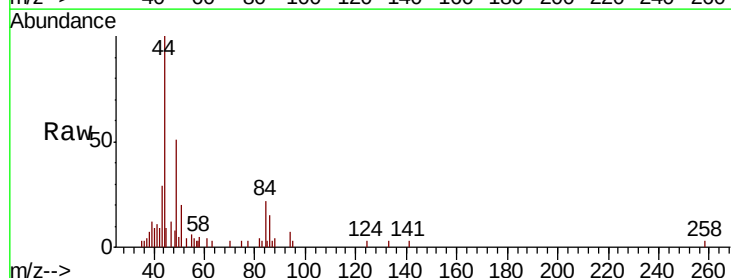
Instrument :
MSVOA_F
ClientSampleId :
P001-SS018-1218-01RE

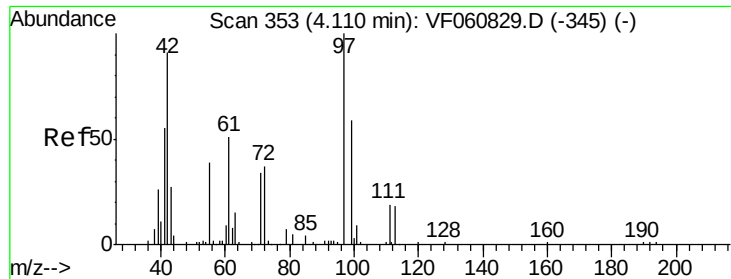
Tot Ion: 43 Resp: 2270
Ion Ratio Lower Upper
43 100
74 0.0 13.3 19.9#



#20
Methylene Chloride
Concen: 2.230 ug/l
RT: 2.25 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF061066.D
Acq: 18 Dec 2018 16:53

Tgt Ion: 84 Resp: 3873
Ion Ratio Lower Upper
84 100
49 228.3 111.3 166.9#
51 91.0 38.0 57.0#
86 79.2 49.8 74.8#





#29

Tetrahydrofuran

Concen: 2.472 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061066.D

Acq: 18 Dec 2018 16:53

Instrument :

MSVOA_F

ClientSampleId :

P001-SS018-1218-01RE

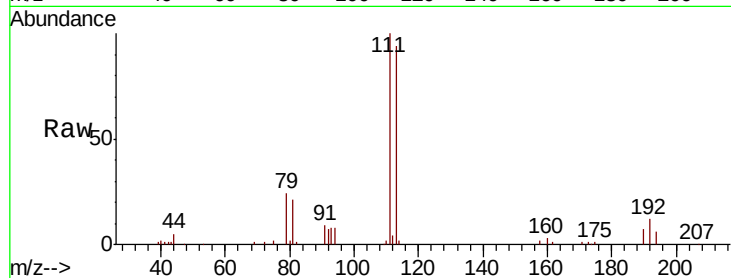
Tot Ion: 42 Resp: 858

Ion Ratio Lower Upper

42 100

72 0.0 31.9 47.9#

71 7.7 28.7 43.1#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

4.09

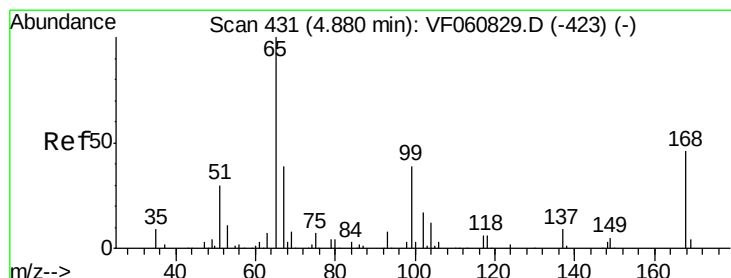
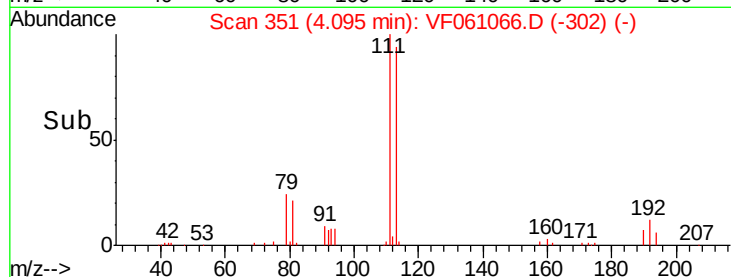
300

200

100

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 43.175 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF061066.D

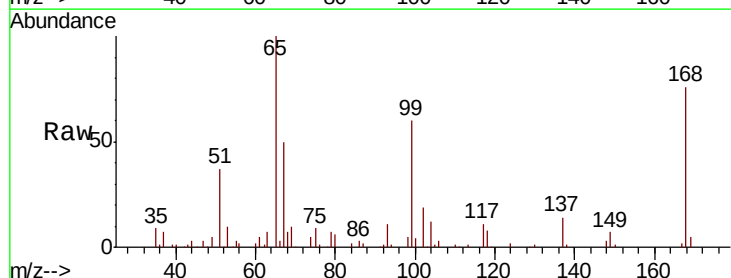
Acq: 18 Dec 2018 16:53

Tgt Ion: 65 Resp: 110834

Ion Ratio Lower Upper

65 100

67 50.2 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

40000

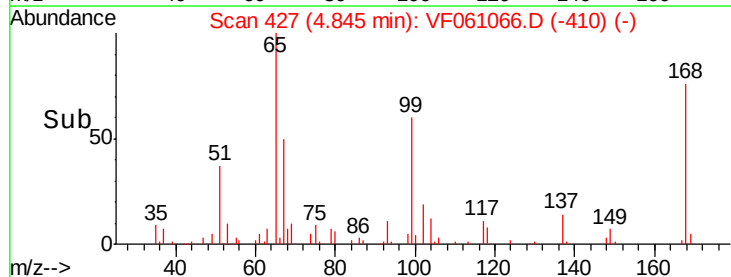
30000

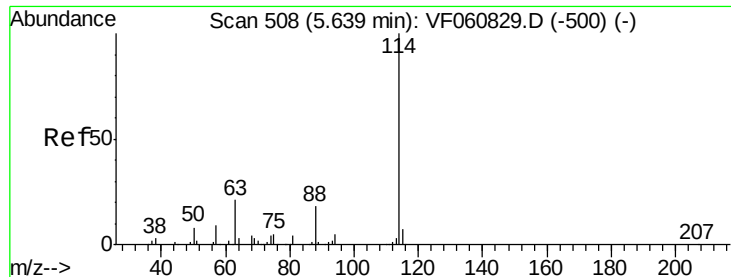
20000

10000

0

Time-->

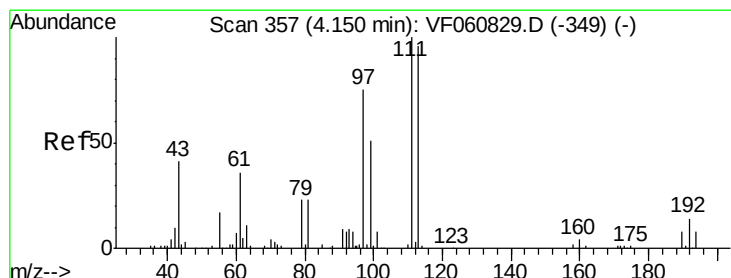
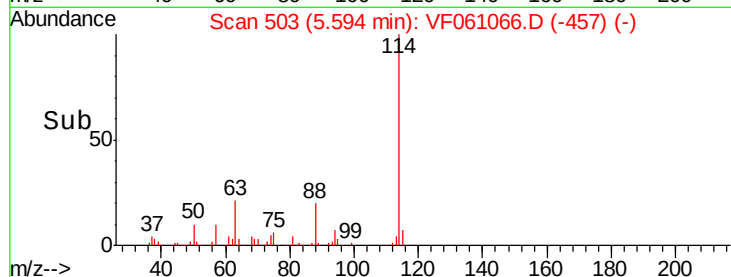
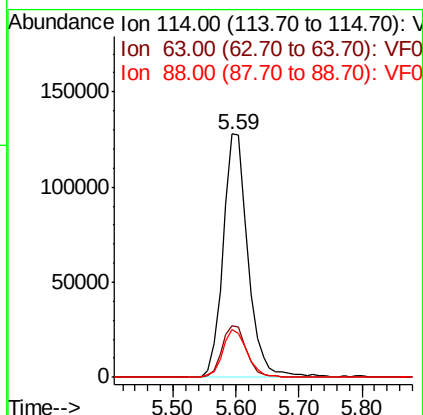
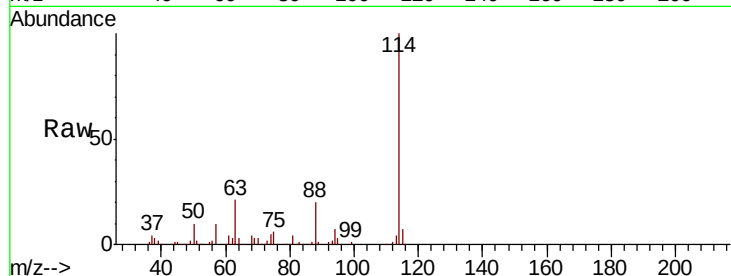




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.05 min
 Lab File: VF061066.D
 Acq: 18 Dec 2018 16:53

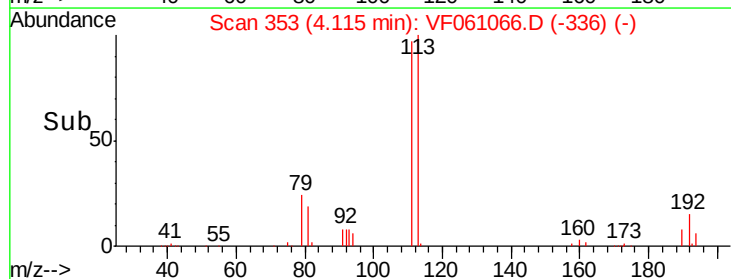
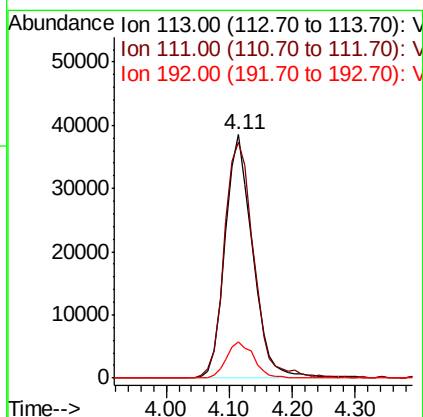
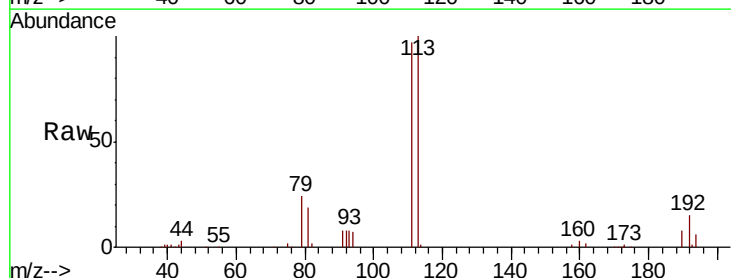
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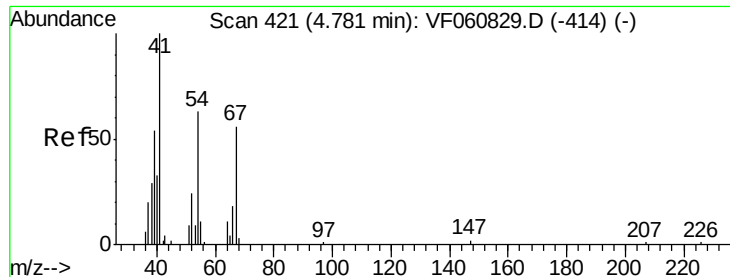
Tot Ion:114	Resp:	351255
Ion Ratio	Lower	Upper
114 100		
63 21.1	0.0	41.6
88 19.6	0.0	36.6



#35
 Dibromofluoromethane
 Concen: 41.973 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.04 min
 Lab File: VF061066.D
 Acq: 18 Dec 2018 16:53

Tgt Ion:113	Resp:	116962
Ion Ratio	Lower	Upper
113 100		
111 97.1	83.0	124.6
192 15.6	12.3	18.5





#41

Methacrylonitrile

Concen: Below Cal

RT: 4.74 min Scan# 416

Delta R.T. -0.04 min

Lab File: VF061066.D

Acq: 18 Dec 2018 16:53

Instrument :

MSVOA_F

ClientSampleId :

P001-SS018-1218-01RE

Tot Ion: 41 Resp: 280

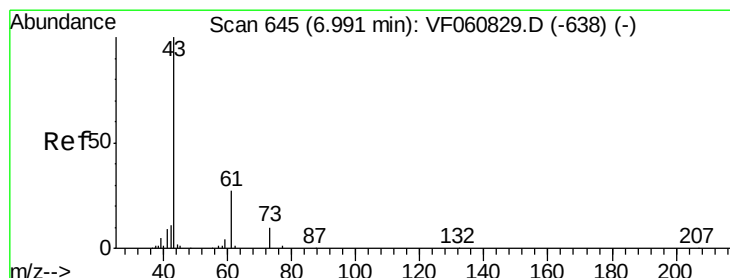
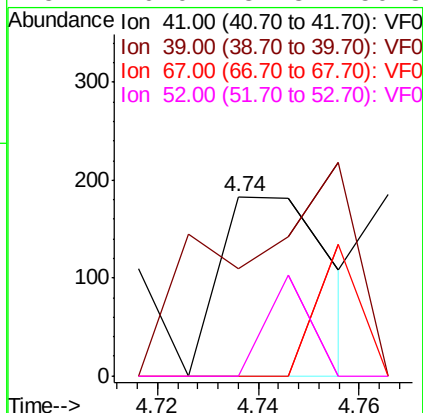
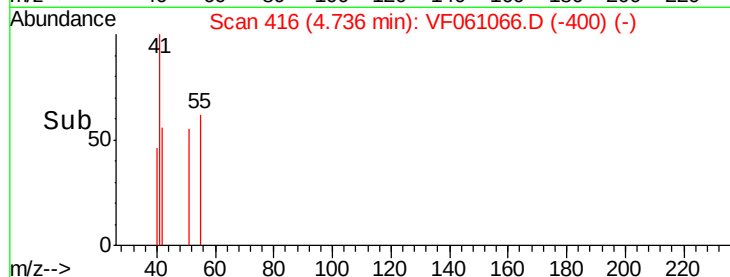
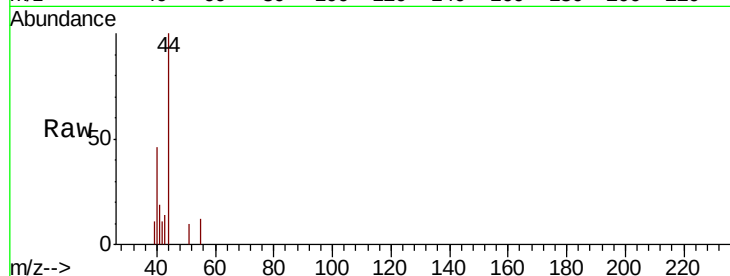
Ion Ratio Lower Upper

41 100

39 59.6 53.0 79.6

67 0.0 43.8 65.6#

52 0.0 37.8 56.8#



#43

Isopropyl Acetate

Concen: Below Cal

RT: 6.95 min Scan# 640

Delta R.T. -0.04 min

Lab File: VF061066.D

Acq: 18 Dec 2018 16:53

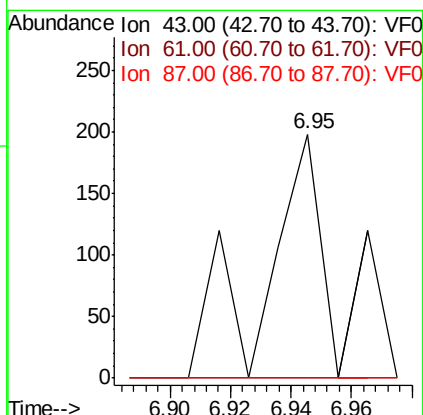
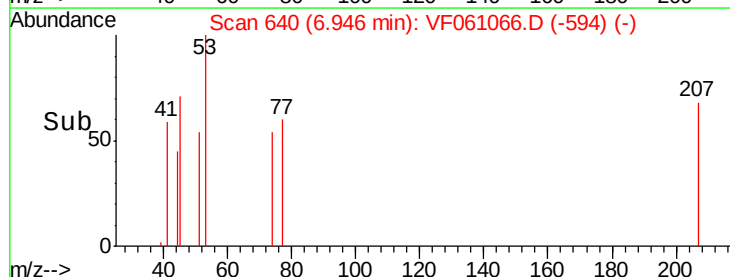
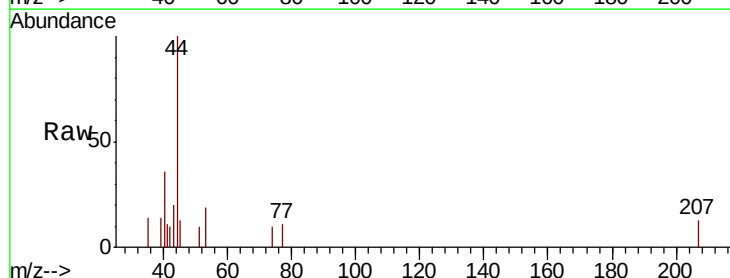
Tgt Ion: 43 Resp: 251

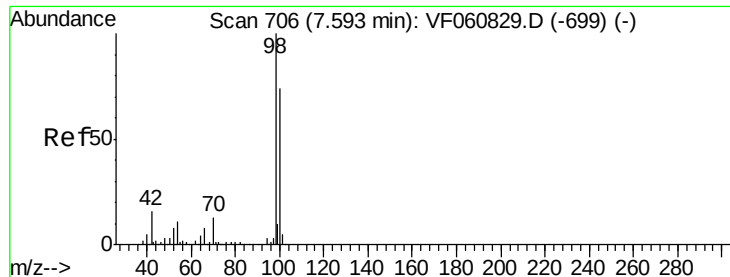
Ion Ratio Lower Upper

43 100

61 0.0 21.4 32.0#

87 0.0 0.2 0.4#





#50

Toluene-d8

Concen: 32.623 ug/l

RT: 7.56 min Scan# 702

Delta R.T. -0.04 min

Lab File: VF061066.D

Acq: 18 Dec 2018 16:53

Instrument :

MSVOA_F

ClientSampleId :

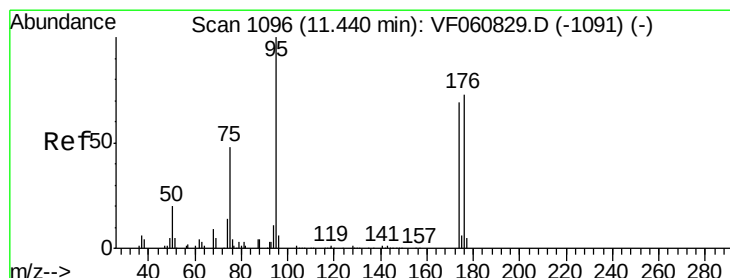
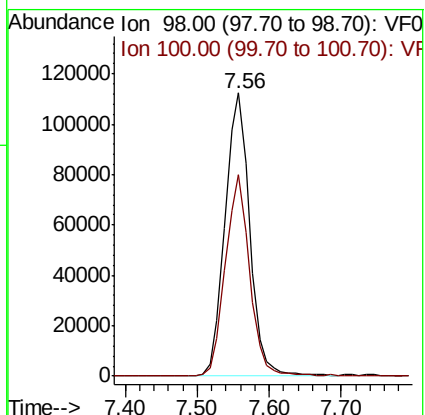
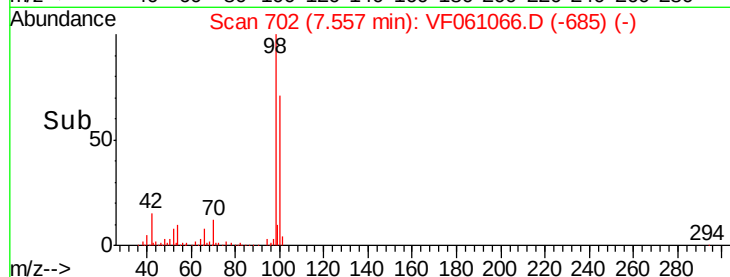
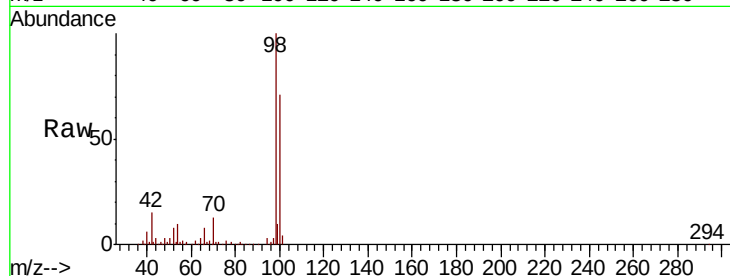
P001-SS018-1218-01RE

Tot Ion: 98 Resp: 267788

Ion Ratio Lower Upper

98 100

100 71.0 59.3 88.9



#62

4-Bromofluorobenzene

Concen: 26.089 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF061066.D

Acq: 18 Dec 2018 16:53

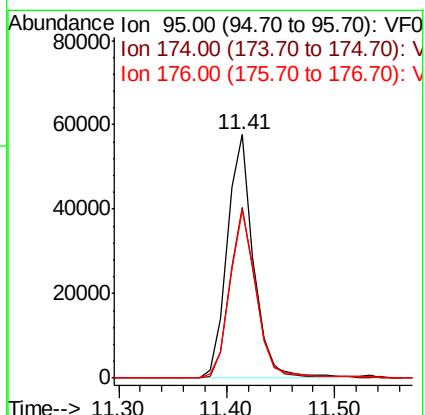
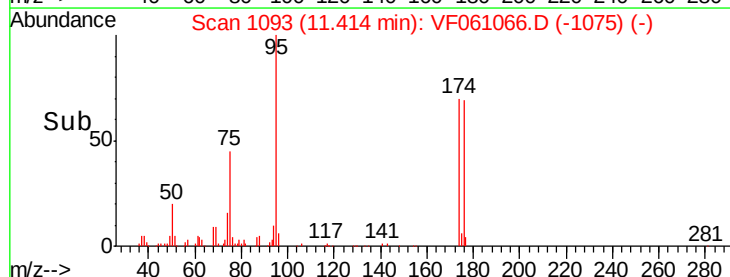
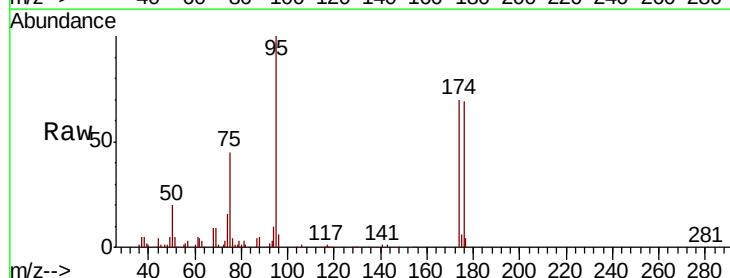
Tgt Ion: 95 Resp: 97329

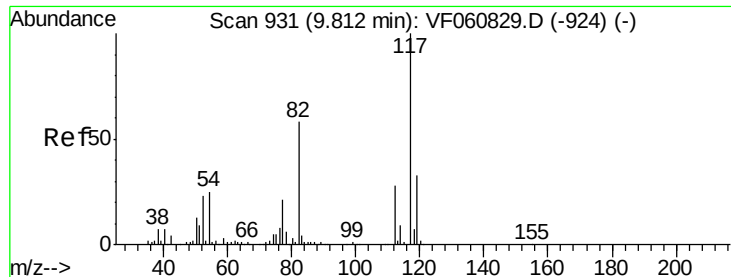
Ion Ratio Lower Upper

95 100

174 70.2 0.0 138.2

176 69.2 0.0 146.2

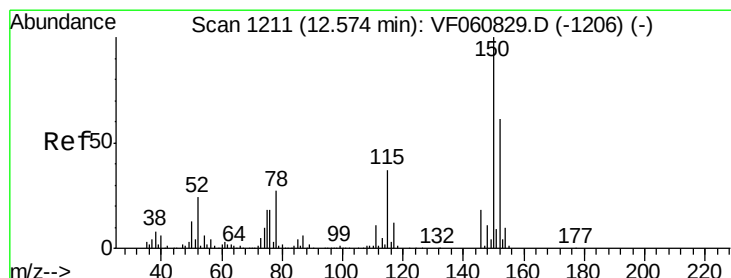
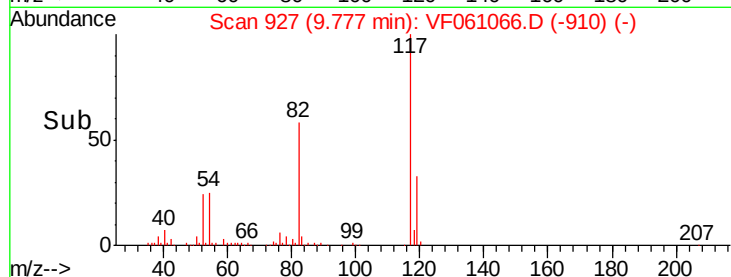
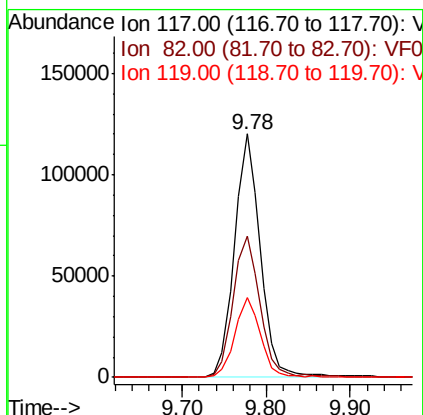
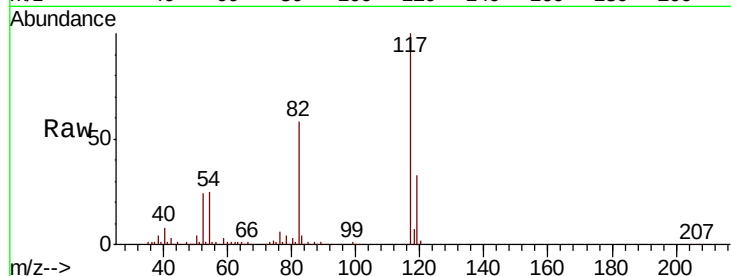




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF061066.D
Acq: 18 Dec 2018 16:53

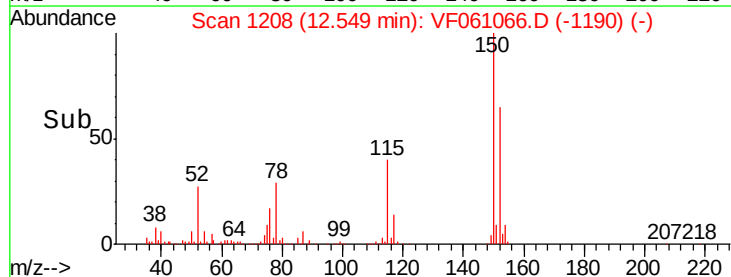
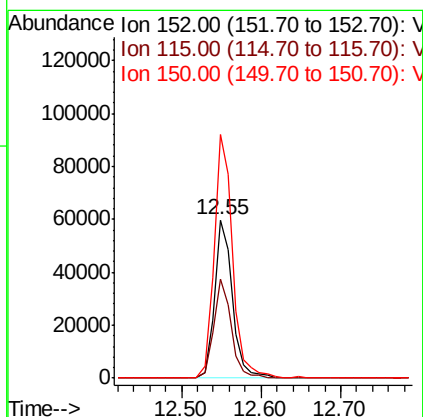
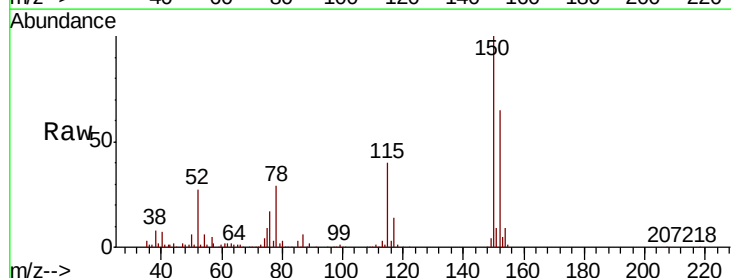
Instrument :
MSVOA_F
ClientSampleId :
P001-SS018-1218-01RE

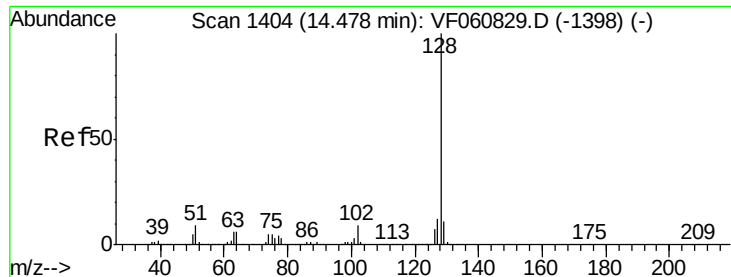
Tot Ion:117 Resp: 257432
Ion Ratio Lower Upper
117 100
82 58.2 46.6 69.8
119 32.8 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF061066.D
Acq: 18 Dec 2018 16:53

Tgt Ion:152 Resp: 94617
Ion Ratio Lower Upper
152 100
115 62.2 30.1 90.5
150 153.6 0.0 327.6





#95
Naphthalene
Concen: Below Cal
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF061066.D
Acq: 18 Dec 2018 16:53

Instrument :
MSVOA_F
ClientSampleId :
P001-SS018-1218-01RE

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.9	9.9	14.9
129	9.2	9.1	13.7

