

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121718\
 Data File : VF061052.D
 Acq On : 17 Dec 2018 20:48
 Operator : VA/AP
 Sample : J6391-15RE
 Misc : 5.32g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 18 03:10:16 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

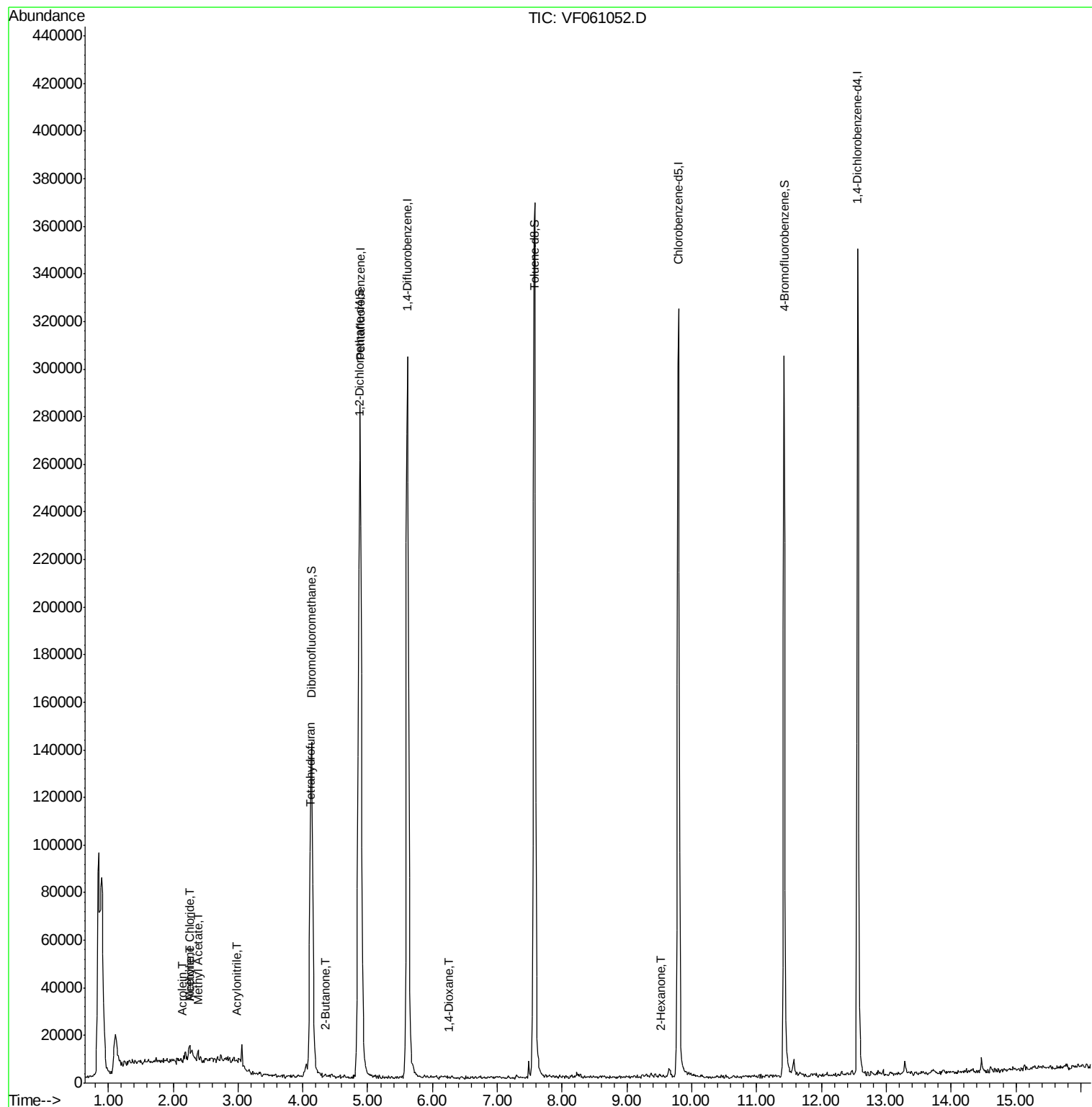
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	198356	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.61	114	338069	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.80	117	231541	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	87222	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	117908	50.46	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	100.92%	
35) Dibromofluoromethane	4.13	113	135907	50.67	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	101.34%	
50) Toluene-d8	7.58	98	318974	40.37	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	80.74%	
62) 4-Bromofluorobenzene	11.42	95	115545	32.18	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	64.36%	
Target Compounds						
					Qvalue	
13) Acrolein	2.14	56	184	2.027	ug/l	92
15) Acrylonitrile	2.97	53	442	2.058	ug/l #	49
16) Acetone	2.26	43	6279	14.572	ug/l	94
18) Methyl Acetate	2.39	43	2851	2.371	ug/l #	86
20) Methylene Chloride	2.26	84	3026	1.914	ug/l #	86
25) 2-Butanone	4.35	43	2110	2.831	ug/l #	57
29) Tetrahydrofuran	4.10	42	438	1.386	ug/l #	37
41) Methacrylonitrile	4.75	41	241	Below Cal	#	23
43) Isopropyl Acetate	6.99	43	667	Below Cal	#	49
49) 1,4-Dioxane	6.26	88	65	6.439	ug/l #	1
59) 2-Hexanone	9.53	43	1168	1.185	ug/l #	27
95) Naphthalene	14.47	128	2608	Below Cal		95

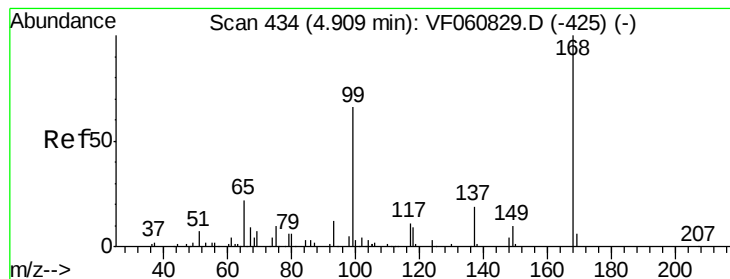
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121718\
Data File : VF061052.D
Acq On : 17 Dec 2018 20:48
Operator : VA/AP
Sample : J6391-15RE
Misc : 5.32g/5mL/MSVOA-F/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Dec 18 03:10:16 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: 4.88 min Scan# 431

Delta R.T. -0.03 min

Lab File: VF061052.D

Acq: 17 Dec 2018 20:48

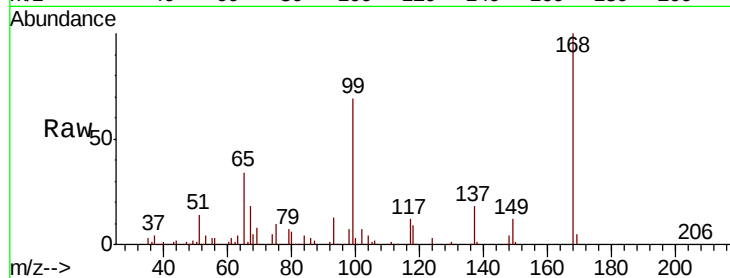
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 198356

Ion Ratio Lower Upper

168 100

99 68.7 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

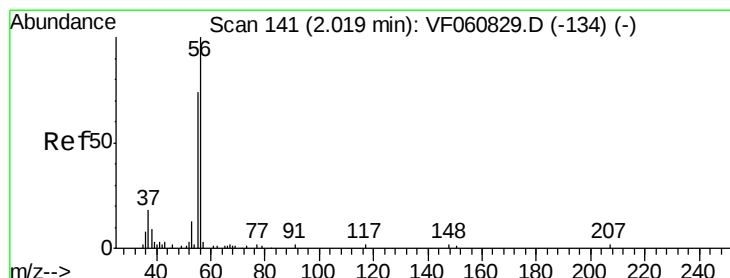
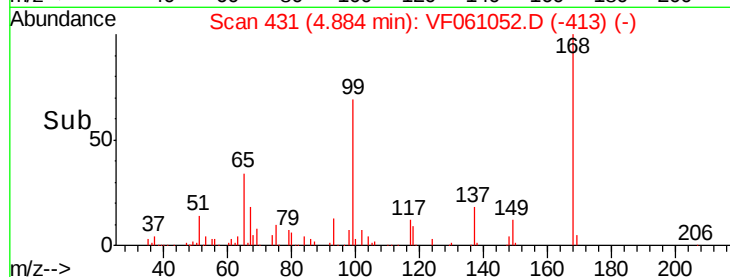
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#13

Acrolein

Concen: 2.027 ug/l

RT: 2.14 min Scan# 153

Delta R.T. 0.12 min

Lab File: VF061052.D

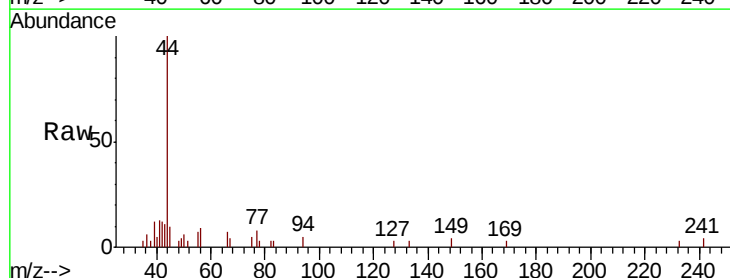
Acq: 17 Dec 2018 20:48

Tgt Ion: 56 Resp: 184

Ion Ratio Lower Upper

56 100

55 83.5 61.2 91.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.14

500

400

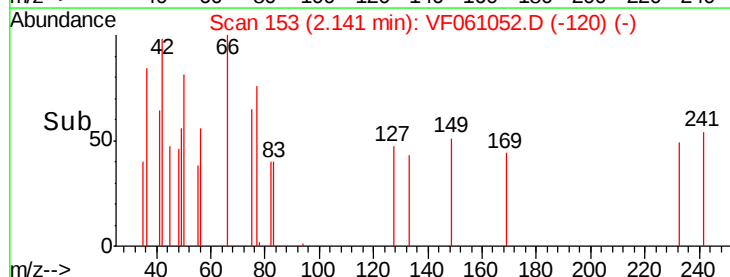
300

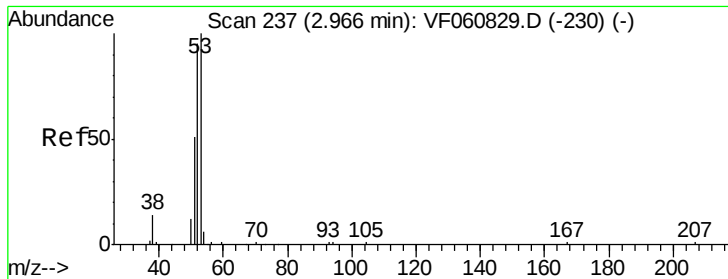
200

100

0

Time--> 2.10 2.15

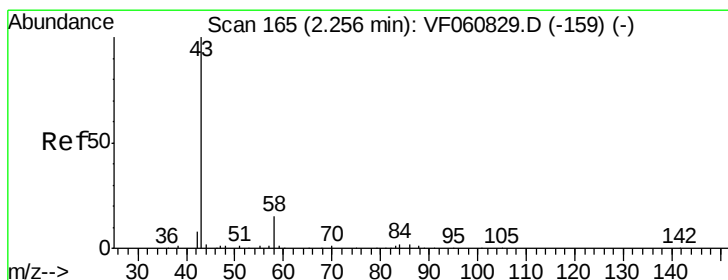
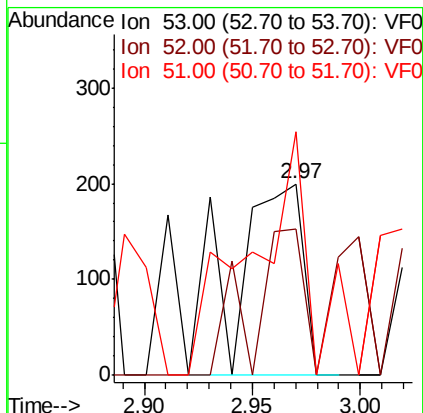
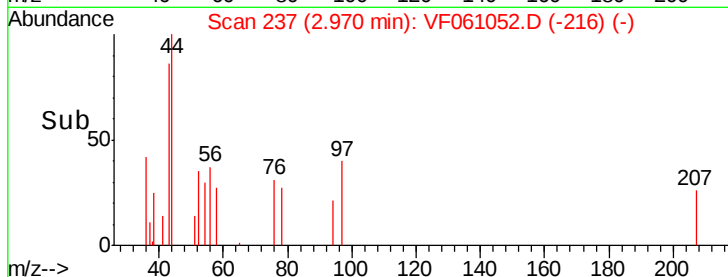
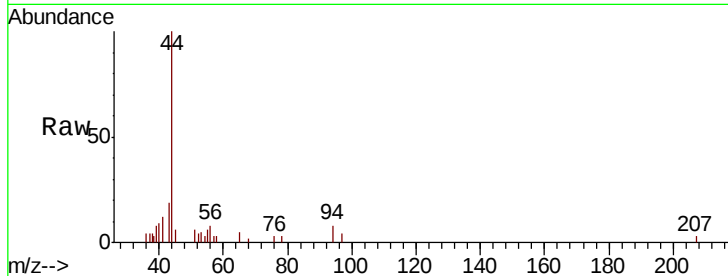




#15
 Acrylonitrile
 Concen: 2.058 ug/l
 RT: 2.97 min Scan# 237
 Delta R.T. 0.00 min
 Lab File: VF061052.D
 Acq: 17 Dec 2018 20:48

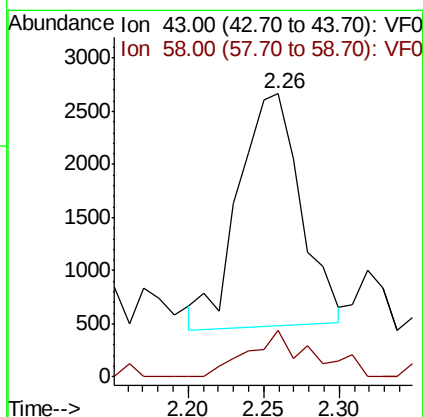
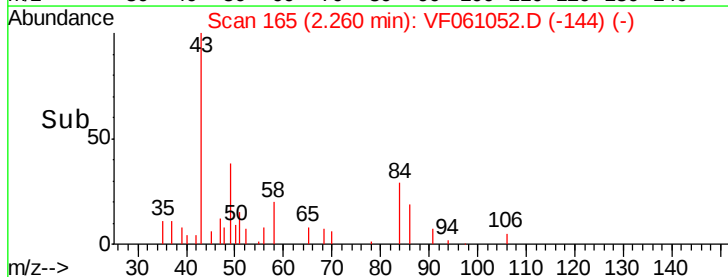
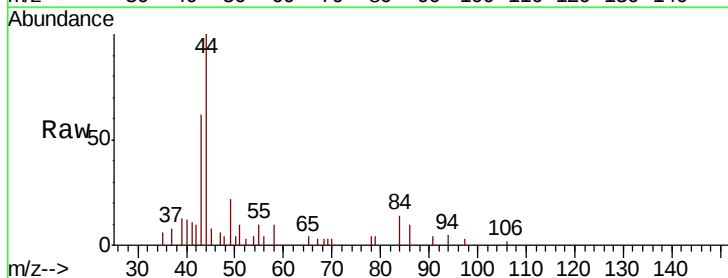
Instrument :
 MSVOA_F
 ClientSampleId :

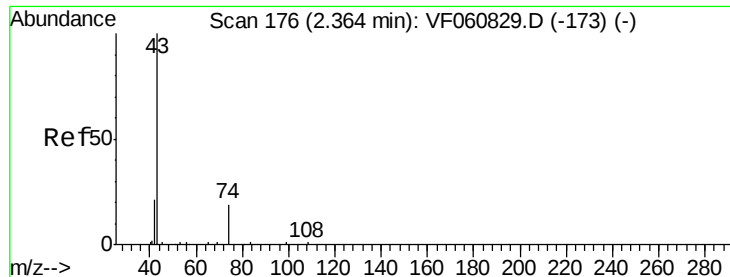
Tot Ion: 53 Resp: 442
 Ion Ratio Lower Upper
 53 100
 52 76.0 76.5 114.7#
 51 127.0 40.7 61.1#



#16
 Acetone
 Concen: 14.572 ug/l
 RT: 2.26 min Scan# 165
 Delta R.T. 0.00 min
 Lab File: VF061052.D
 Acq: 17 Dec 2018 20:48

Tgt Ion: 43 Resp: 6279
 Ion Ratio Lower Upper
 43 100
 58 16.6 11.4 17.2

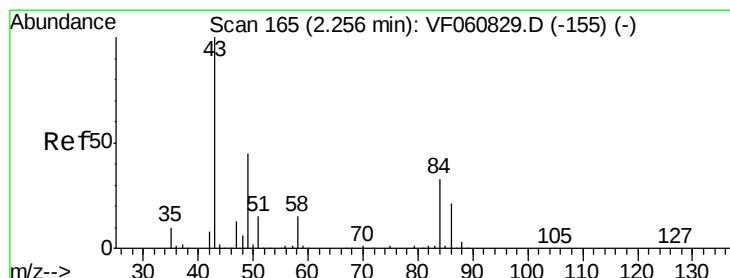
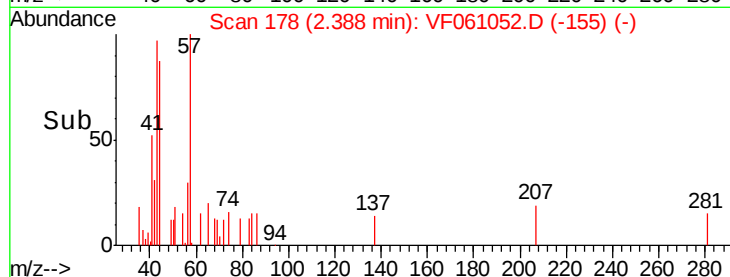
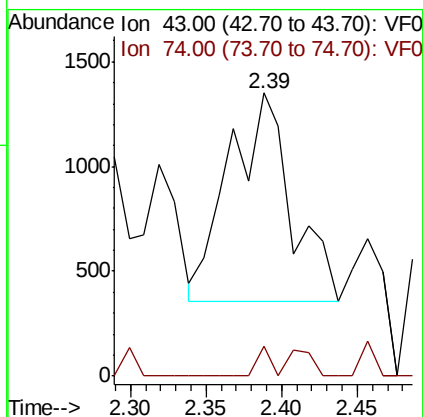
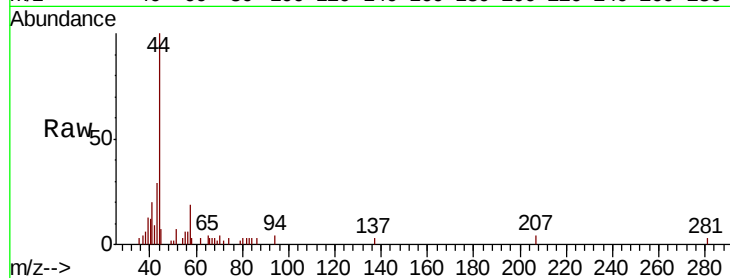




#18
Methyl Acetate
Concen: 2.371 ug/l
RT: 2.39 min Scan# 178
Delta R.T. 0.02 min
Lab File: VF061052.D
Acq: 17 Dec 2018 20:48

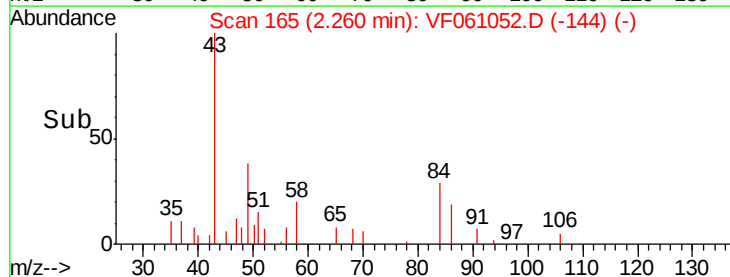
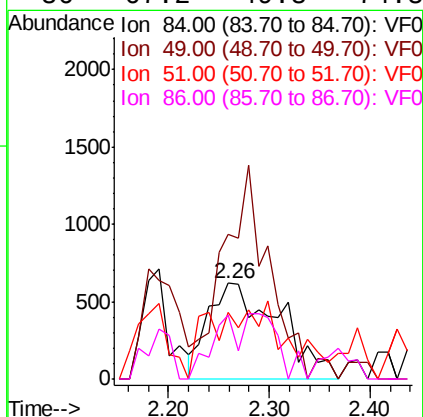
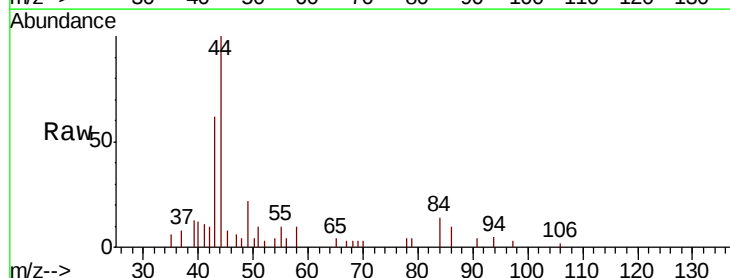
Instrument :
MSVOA_F
ClientSampled :

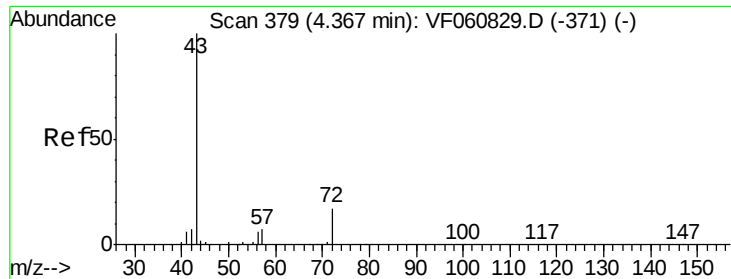
Tot Ion: 43 Resp: 2851
Ion Ratio Lower Upper
43 100
74 10.4 13.3 19.9#



#20
Methylene Chloride
Concen: 1.914 ug/l
RT: 2.26 min Scan# 165
Delta R.T. 0.00 min
Lab File: VF061052.D
Acq: 17 Dec 2018 20:48

Tgt Ion: 84 Resp: 3026
Ion Ratio Lower Upper
84 100
49 151.7 111.3 166.9
51 70.0 38.0 57.0#
86 67.2 49.8 74.8





#25

2-Butanone

Concen: 2.831 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.02 min

Lab File: VF061052.D

Acq: 17 Dec 2018 20:48

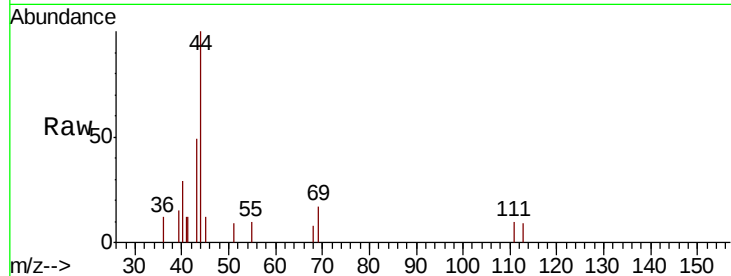
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 2110

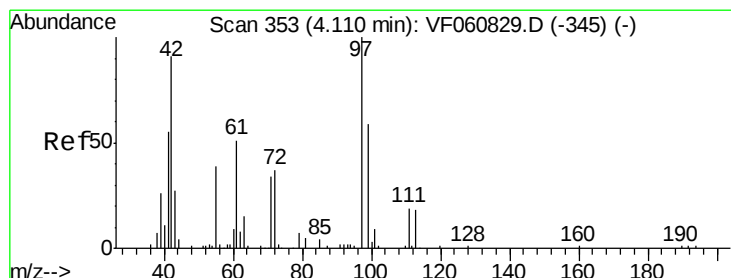
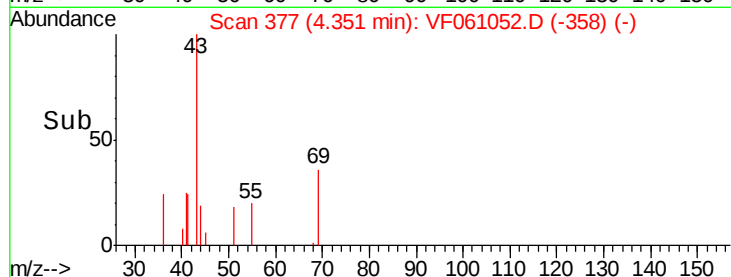
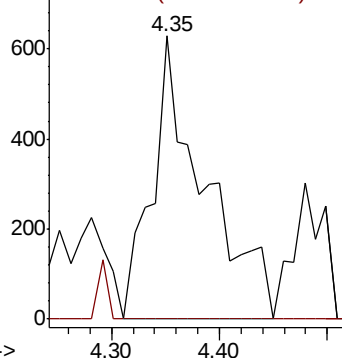
Ion Ratio Lower Upper

43 100

72 0.0 15.4 23.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0



#29

Tetrahydrofuran

Concen: 1.386 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061052.D

Acq: 17 Dec 2018 20:48

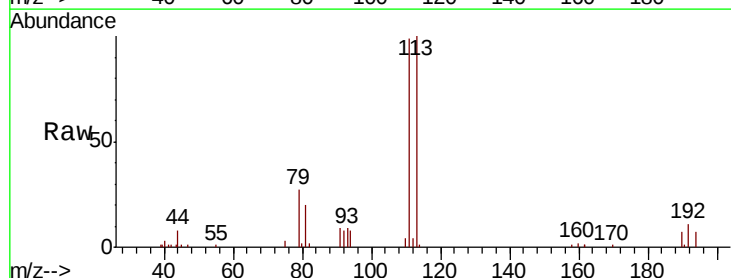
Tgt Ion: 42 Resp: 438

Ion Ratio Lower Upper

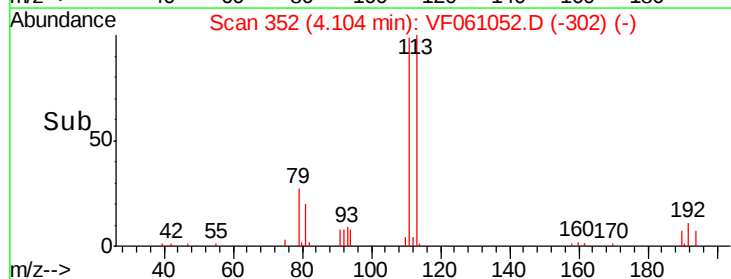
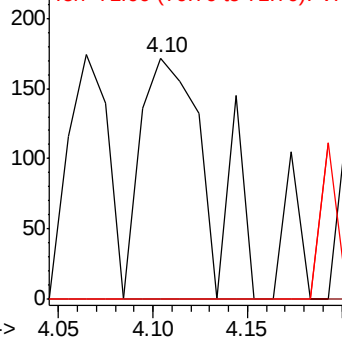
42 100

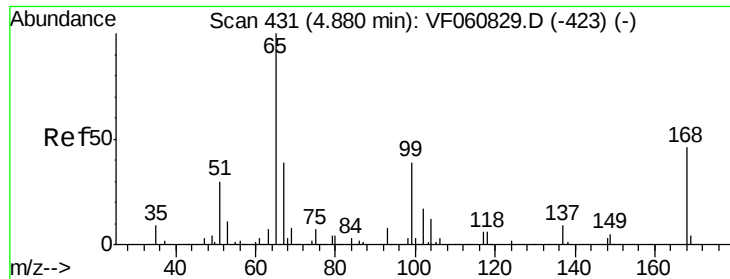
72 0.0 31.9 47.9#

71 0.0 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

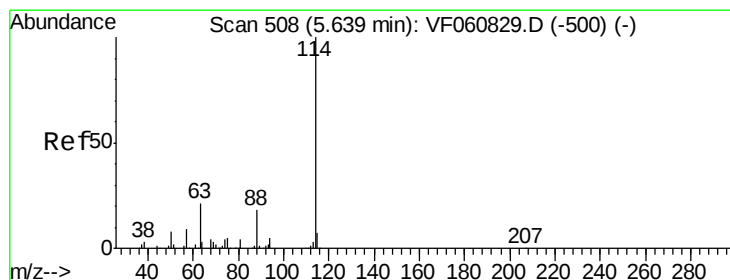
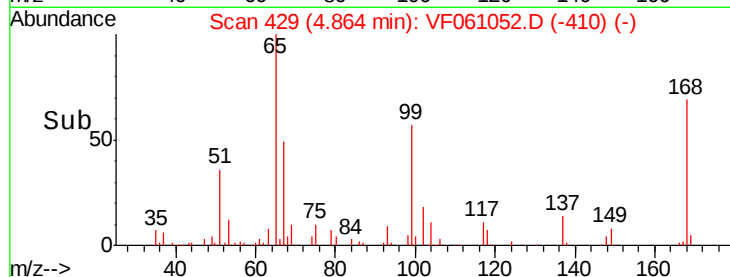
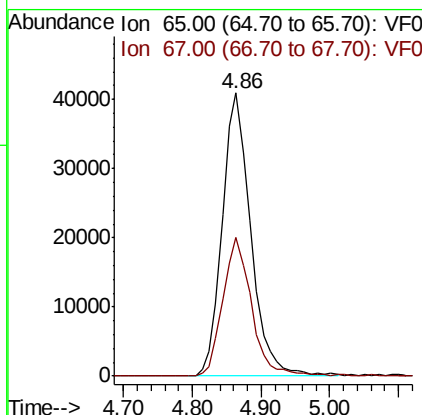
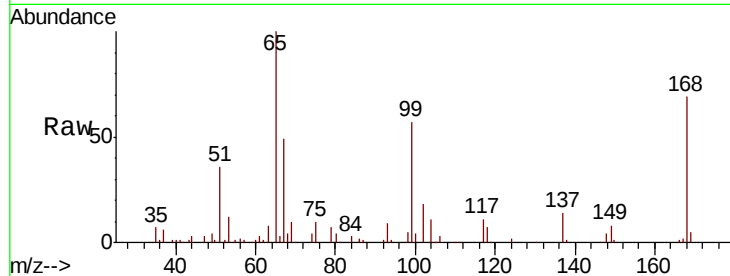




#33
 1,2-Dichloroethane-d4
 Concen: 50.459 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. -0.02 min
 Lab File: VF061052.D
 Acq: 17 Dec 2018 20:48

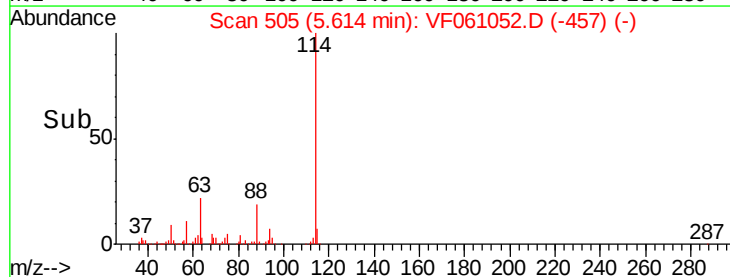
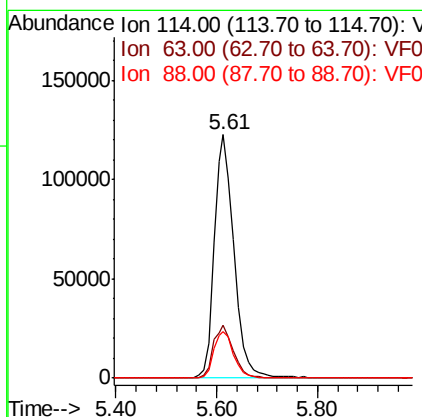
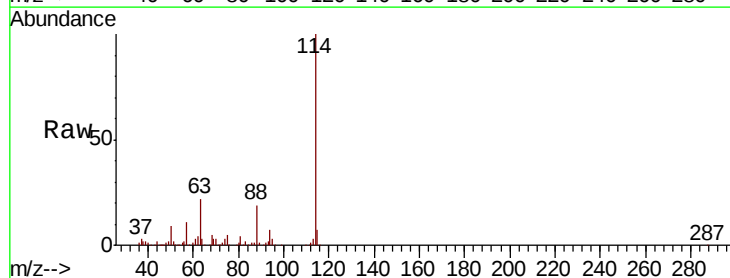
Instrument :
 MSVOA_F
 ClientSampleId :

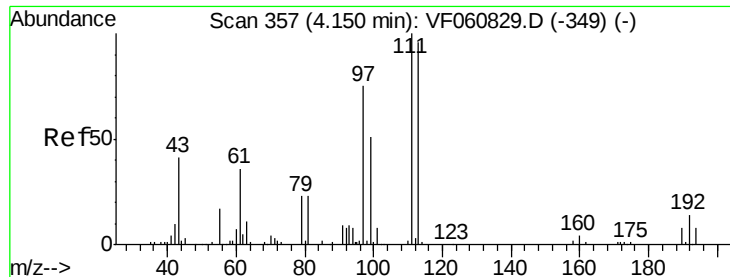
Tot Ion: 65 Resp: 117908
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 96.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. -0.03 min
 Lab File: VF061052.D
 Acq: 17 Dec 2018 20:48

Tgt Ion: 114 Resp: 338069
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 41.6
 88 18.9 0.0 36.6





#35

Dibromofluoromethane

Concen: 50.674 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.02 min

Lab File: VF061052.D

Acq: 17 Dec 2018 20:48

Instrument :
MSVOA_F
ClientSampleId :

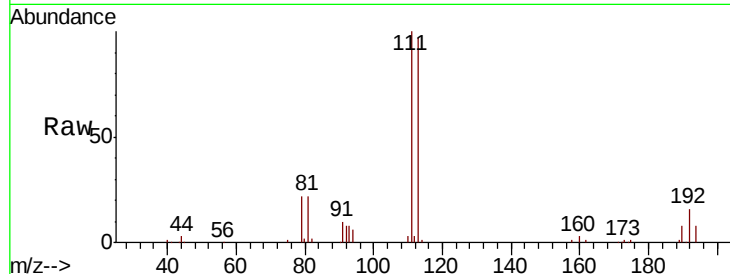
Tot Ion:113 Resp: 135907

Ion Ratio Lower Upper

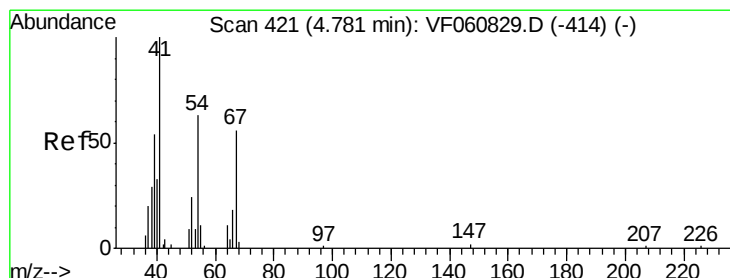
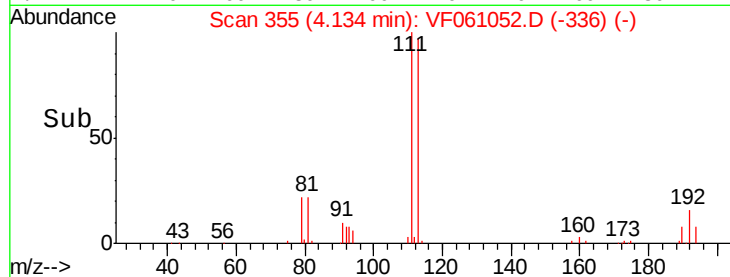
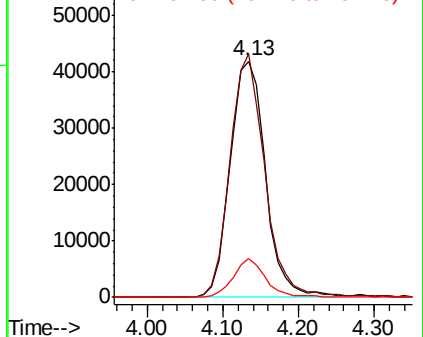
113 100

111 102.9 83.0 124.6

192 16.7 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# 417

Delta R.T. -0.04 min

Lab File: VF061052.D

Acq: 17 Dec 2018 20:48

Tgt Ion: 41 Resp: 241

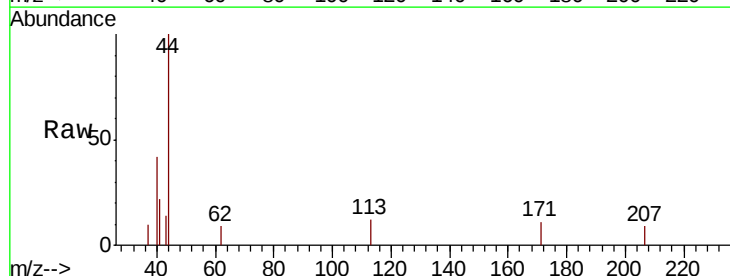
Ion Ratio Lower Upper

41 100

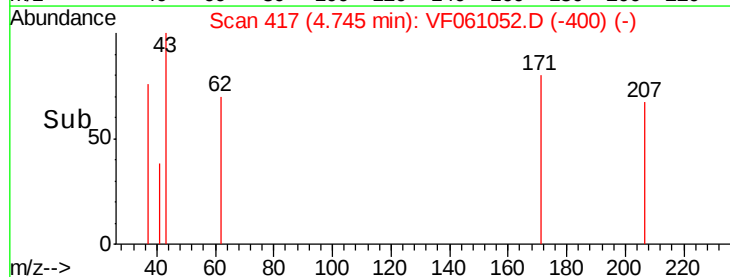
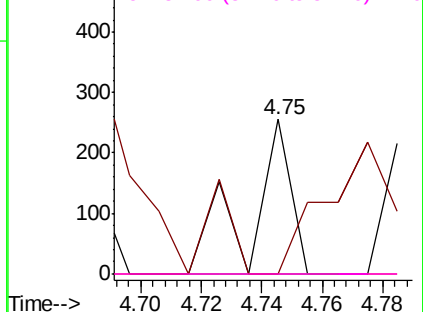
39 0.0 53.0 79.6#

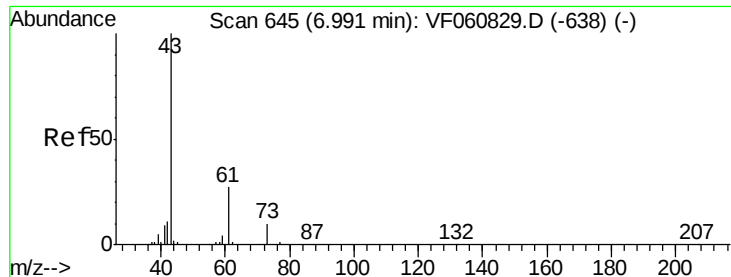
67 0.0 43.8 65.6#

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



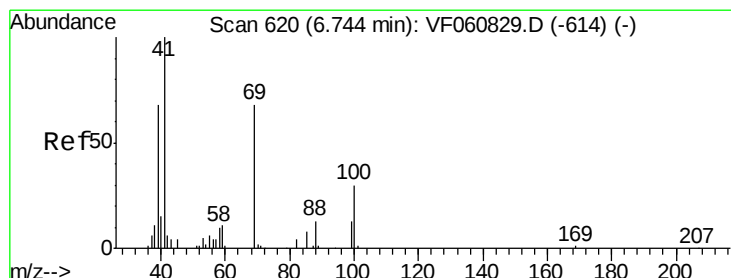
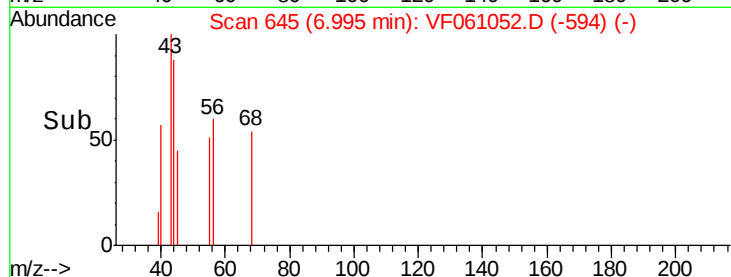
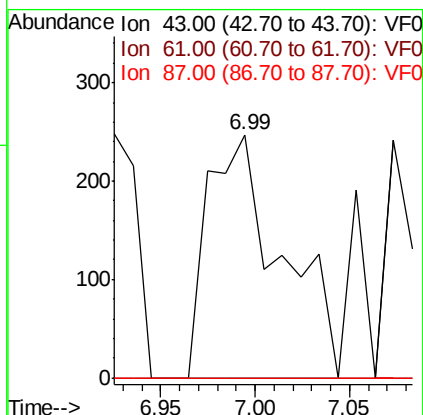
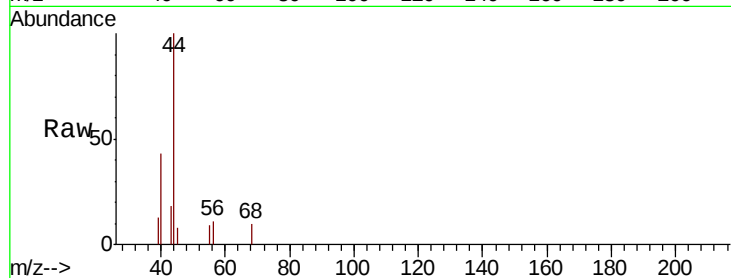


#43

Isopropyl Acetate
 Concen: Below Cal
 RT: 6.99 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: VF061052.D
 Acq: 17 Dec 2018 20:48

Instrument :
 MSVOA_F
 ClientSampleId :

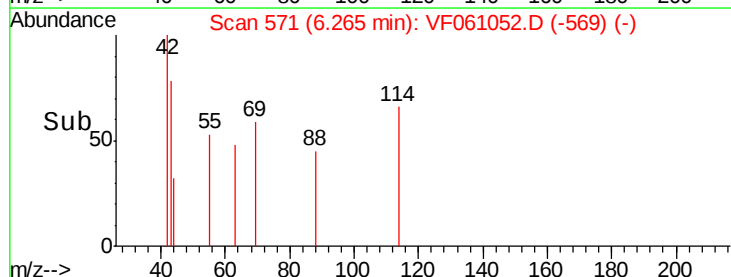
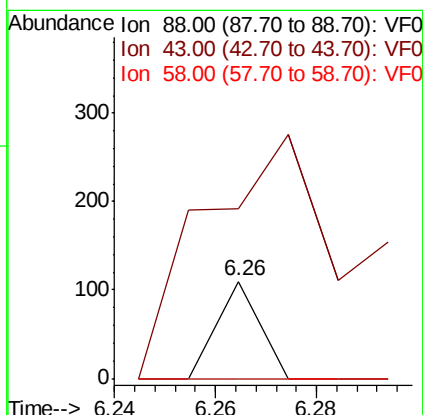
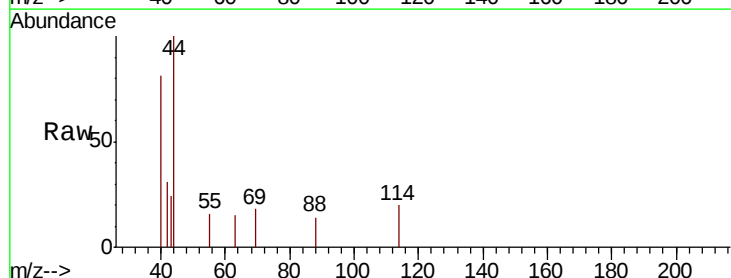
Tot Ion: 43 Resp: 667
 Ion Ratio Lower Upper
 43 100
 61 0.0 21.4 32.0#
 87 0.0 0.2 0.4#

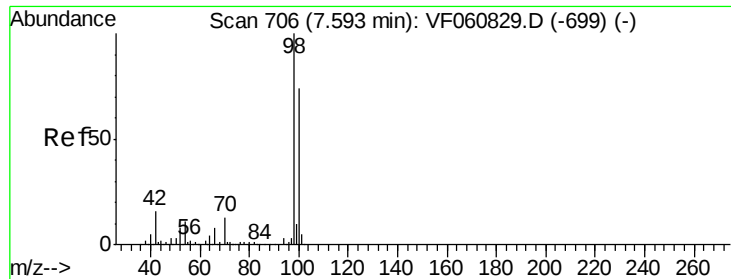


#49

1,4-Dioxane
 Concen: 6.439 ug/l
 RT: 6.26 min Scan# 571
 Delta R.T. -0.48 min
 Lab File: VF061052.D
 Acq: 17 Dec 2018 20:48

Tgt Ion: 88 Resp: 65
 Ion Ratio Lower Upper
 88 100
 43 174.5 42.0 63.0#
 58 0.0 61.8 92.8#





#50

Toluene-d8

Concen: 40.375 ug/l

RT: 7.58 min Scan# 704

Delta R.T. -0.02 min

Lab File: VF061052.D

Acq: 17 Dec 2018 20:48

Instrument :

MSVOA_F

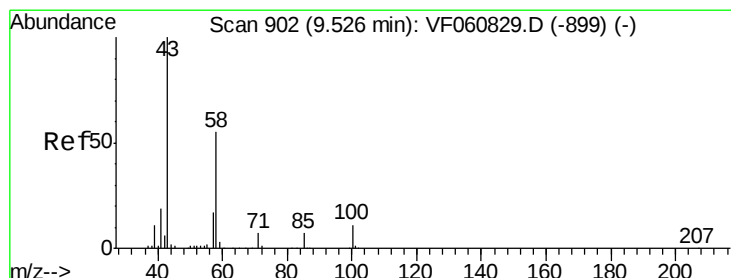
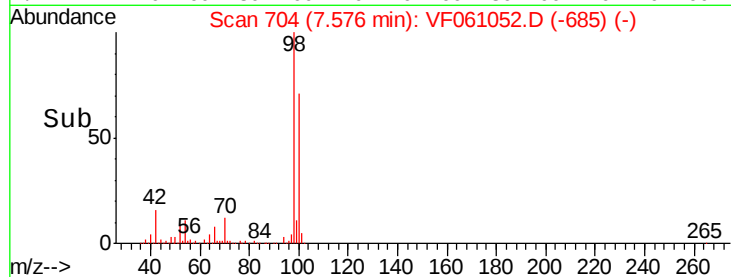
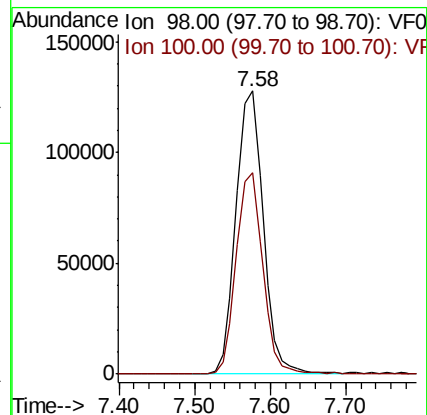
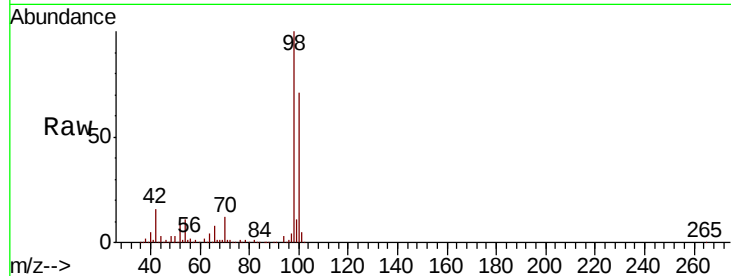
ClientSampled :

Tot Ion: 98 Resp: 318974

Ion Ratio Lower Upper

98 100

100 71.1 59.3 88.9



#59

2-Hexanone

Concen: 1.185 ug/l

RT: 9.53 min Scan# 902

Delta R.T. 0.00 min

Lab File: VF061052.D

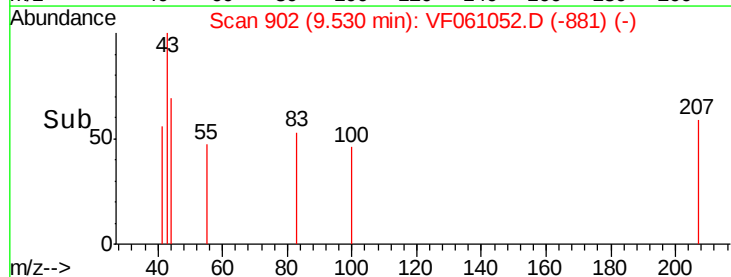
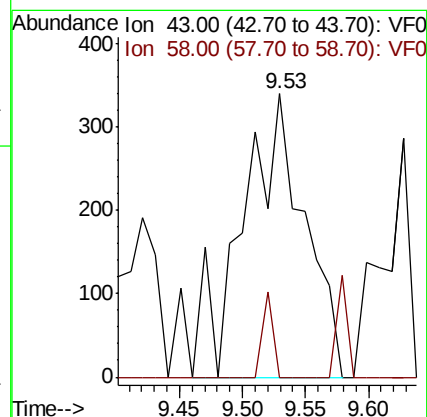
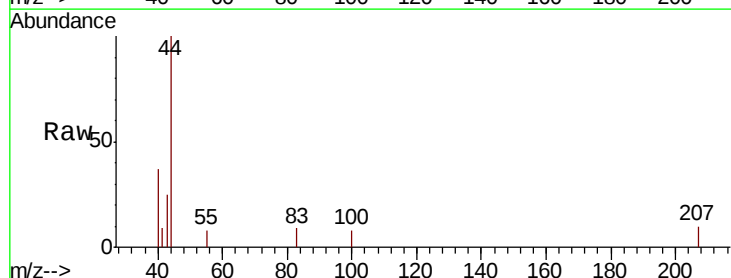
Acq: 17 Dec 2018 20:48

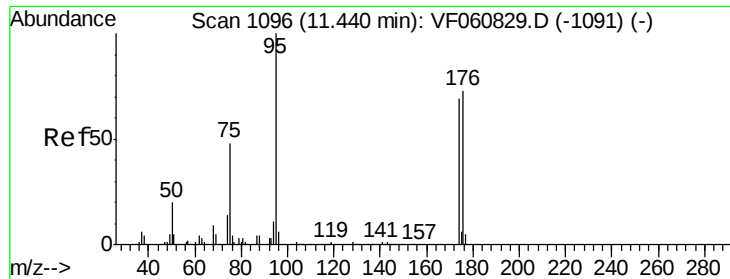
Tgt Ion: 43 Resp: 1168

Ion Ratio Lower Upper

43 100

58 0.0 25.6 76.6#

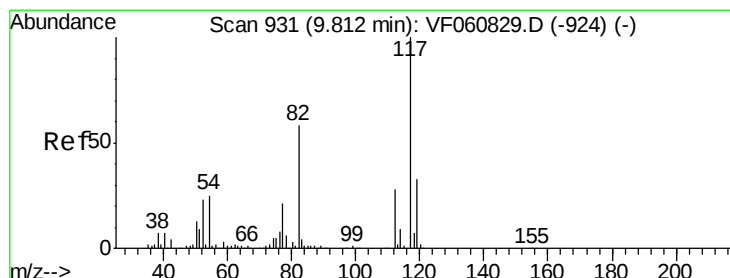
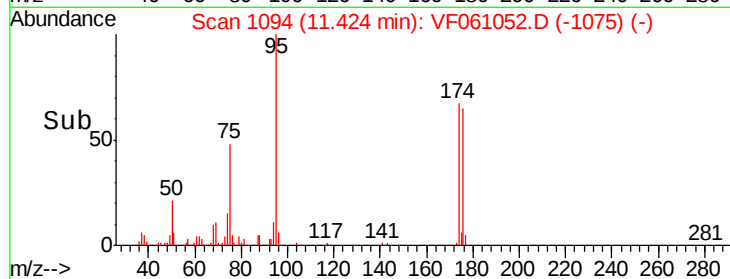
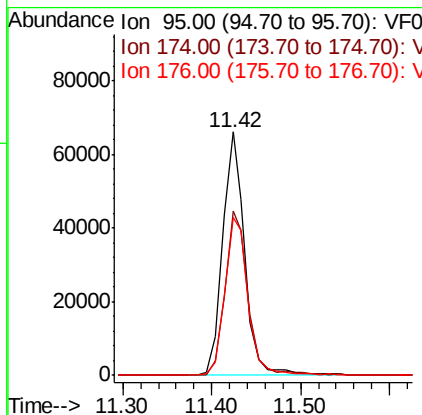
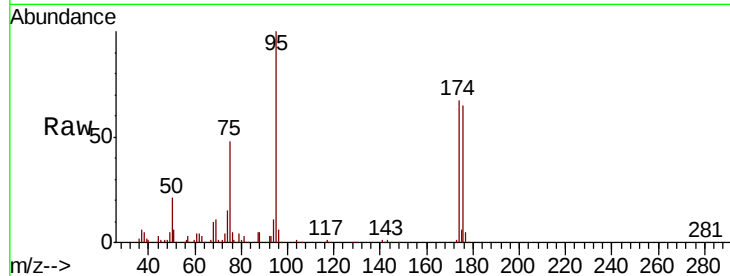




#62
4-Bromofluorobenzene
Concen: 32.180 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. -0.02 min
Lab File: VF061052.D
Acq: 17 Dec 2018 20:48

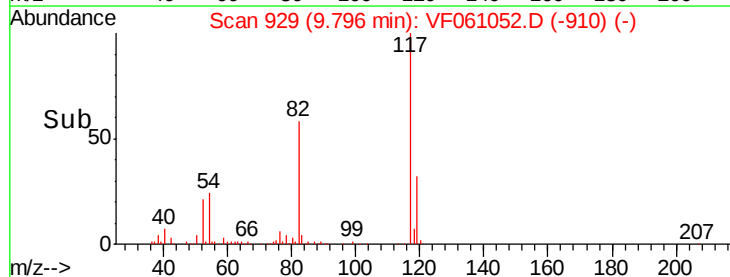
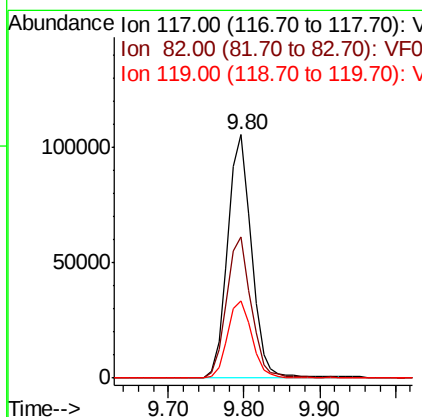
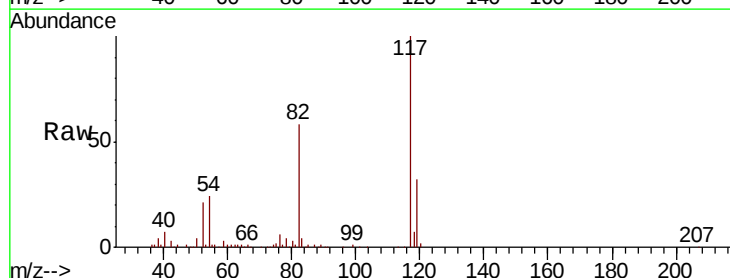
Instrument :
MSVOA_F
ClientSampleId :

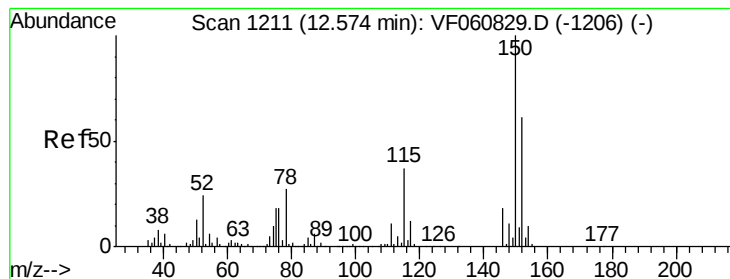
Tot Ion: 95 Resp: 115545
Ion Ratio Lower Upper
95 100
174 67.3 0.0 138.2
176 64.8 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF061052.D
Acq: 17 Dec 2018 20:48

Tgt Ion: 117 Resp: 231541
Ion Ratio Lower Upper
117 100
82 57.9 46.6 69.8
119 31.8 26.4 39.6



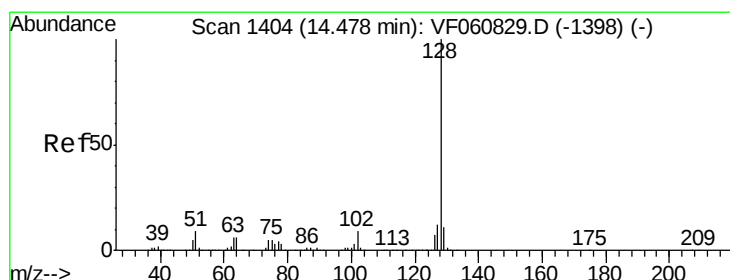
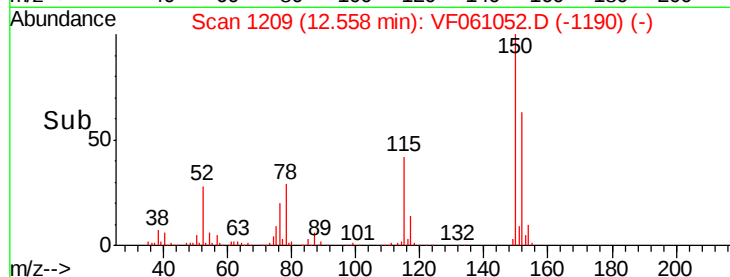
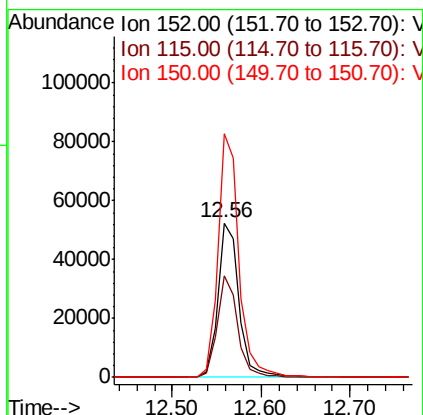
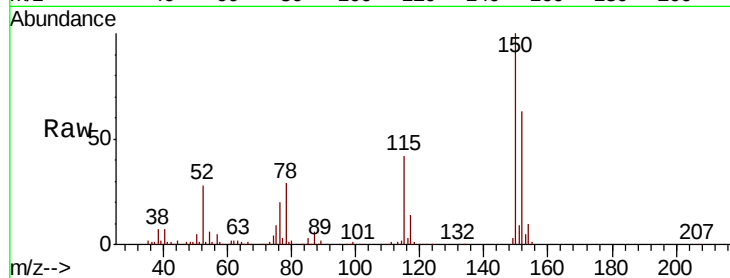


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF061052.D
Acq: 17 Dec 2018 20:48

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:152 Resp: 87222
Ion Ratio Lower Upper
152 100
115 65.5 30.1 90.5
150 157.7 0.0 327.6



#95

Naphthalene
Concen: Below Cal
RT: 14.47 min Scan# 1403
Delta R.T. -0.01 min
Lab File: VF061052.D
Acq: 17 Dec 2018 20:48

Tgt Ion:128 Resp: 2608
Ion Ratio Lower Upper
128 100
127 10.5 9.9 14.9
129 13.5 9.1 13.7

