

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121418\
 Data File : VF061026.D
 Acq On : 14 Dec 2018 18:08
 Operator : VA/AP
 Sample : J6403-33RE
 Misc : 5.06g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Dec 15 00:08:00 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

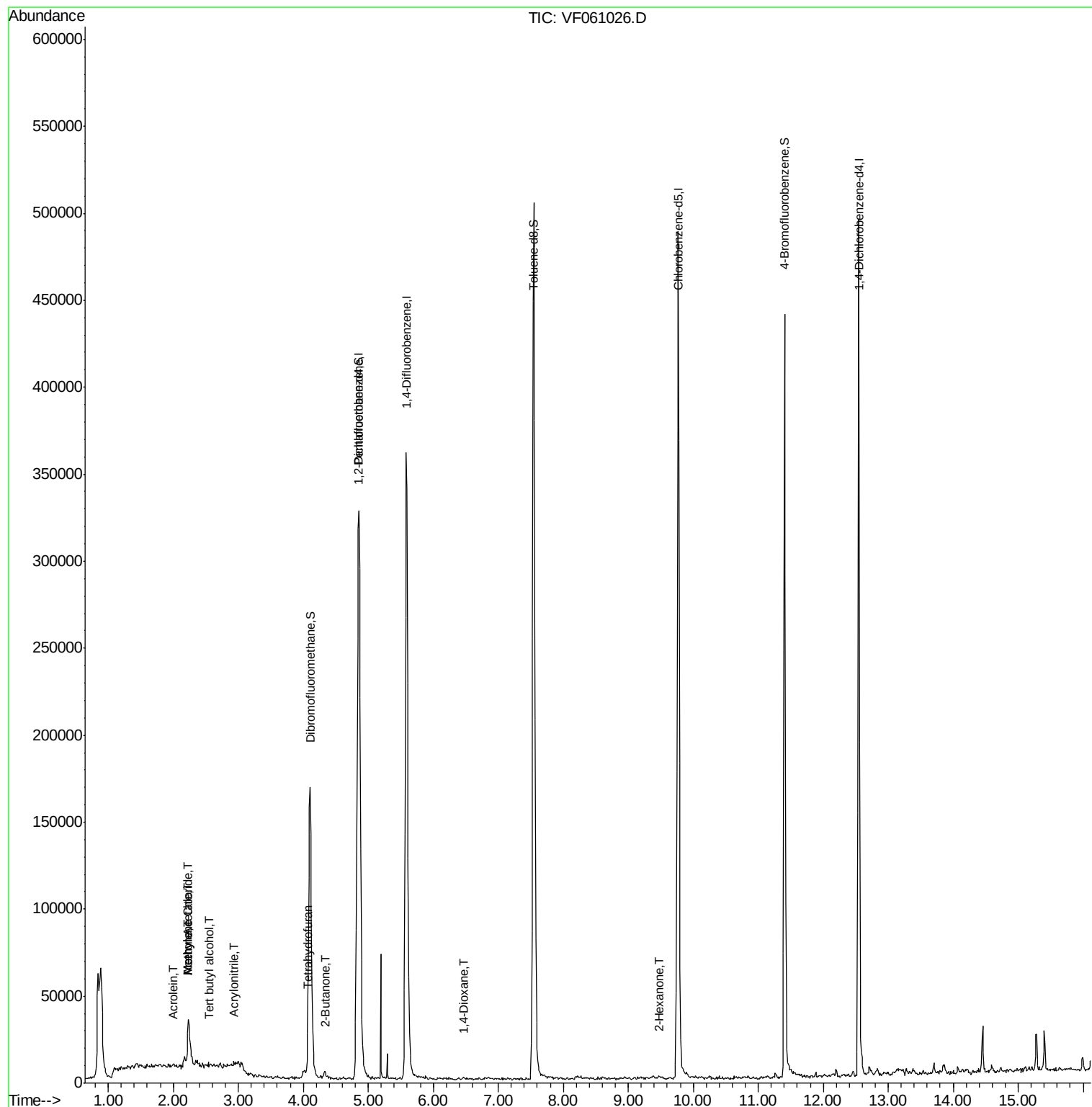
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	243037	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.59	114	403183	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	337435	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	133927	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	142472	49.76	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	99.52%	
35) Dibromofluoromethane	4.11	113	163886	51.24	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	102.48%	
50) Toluene-d8	7.55	98	429799	45.62	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	91.24%	
62) 4-Bromofluorobenzene	11.40	95	164053	38.31	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	76.62%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.56	59	159	1.355	ug/l #	1
13) Acrolein	2.01	56	923	8.300	ug/l #	77
15) Acrylonitrile	2.92	53	530	2.014	ug/l #	46
16) Acetone	2.23	43	35602	67.433	ug/l	96
18) Methyl Acetate	2.23	43	35546	39.794	ug/l #	63
20) Methylene Chloride	2.24	84	5789	2.989	ug/l #	92
25) 2-Butanone	4.33	43	8536	9.347	ug/l	100
29) Tetrahydrofuran	4.06	42	461	1.191	ug/l #	51
41) Methacrylonitrile	4.77	41	168	Below Cal	#	23
43) Isopropyl Acetate	6.93	43	405	Below Cal	#	49
49) 1,4-Dioxane	6.45	88	65	5.399	ug/l #	8
59) 2-Hexanone	9.48	43	1546	1.315	ug/l	66
95) Naphthalene	14.45	128	18320	Below Cal	#	95

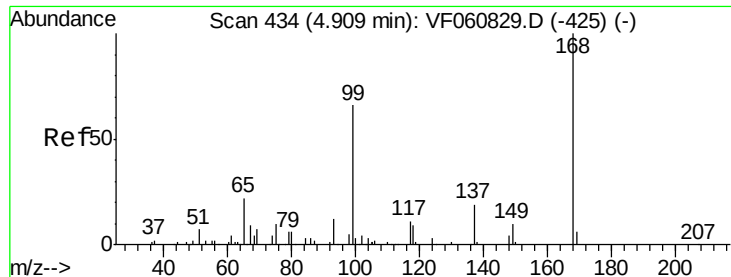
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF121418\
Data File : VF061026.D
Acq On : 14 Dec 2018 18:08
Operator : VA/AP
Sample : J6403-33RE
Misc : 5.06g/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Dec 15 00:08:00 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. -0.04 min

Lab File: VF061026.D

Acq: 14 Dec 2018 18:08

Instrument :

MSVOA_F

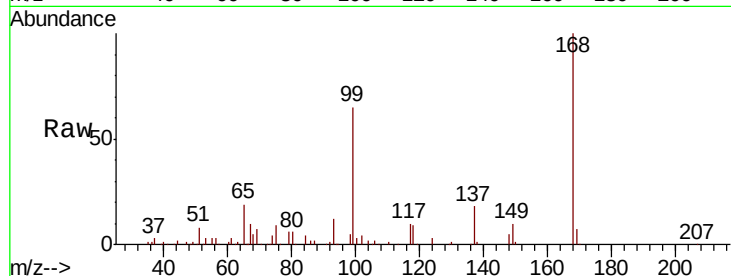
ClientSampleId :

Tot Ion:168 Resp: 243037

Ion Ratio Lower Upper

168 100

99 64.7 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

60000

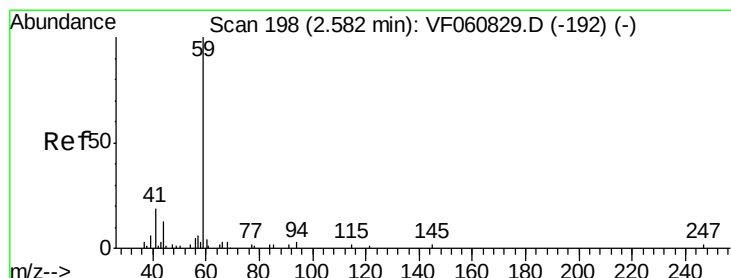
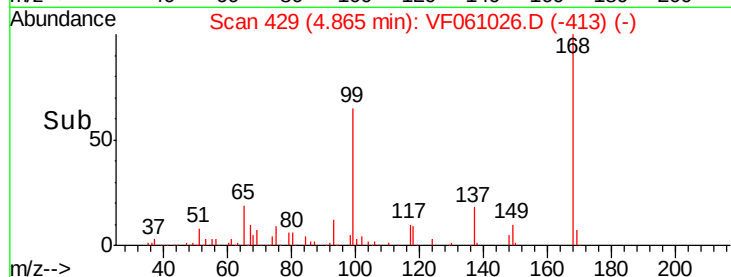
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#11

Tert butyl alcohol

Concen: 1.355 ug/l

RT: 2.56 min Scan# 195

Delta R.T. -0.02 min

Lab File: VF061026.D

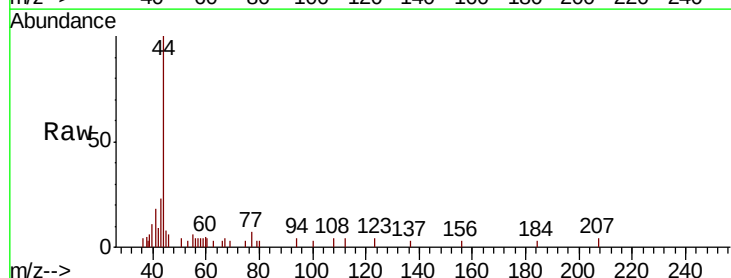
Acq: 14 Dec 2018 18:08

Tgt Ion: 59 Resp: 159

Ion Ratio Lower Upper

59 100

57 98.5 12.7 19.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.56

300

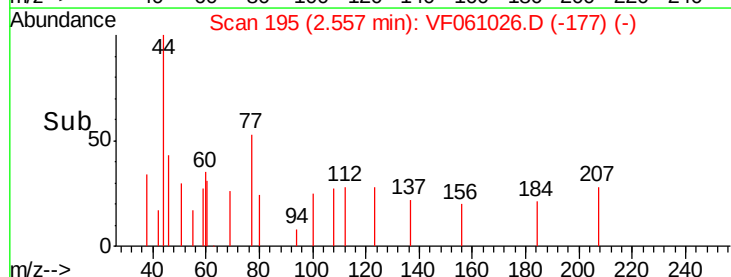
200

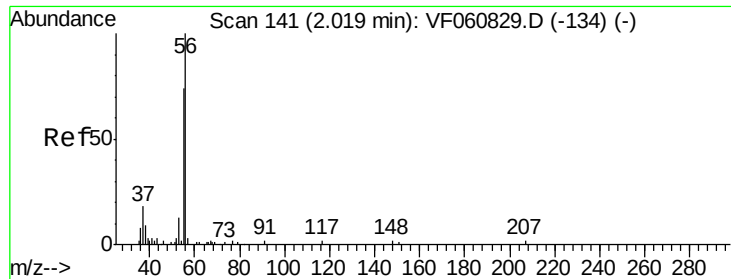
100

0

Time-->

2.52 2.54 2.56 2.58





#13

Acrolein

Concen: 8.300 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF061026.D

Acq: 14 Dec 2018 18:08

Instrument :

MSVOA_F

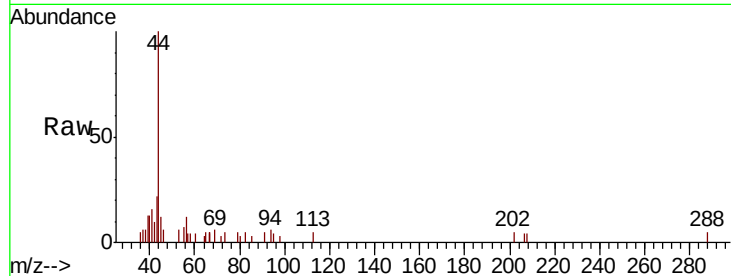
ClientSampled :

Tot Ion: 56 Resp: 923

Ion Ratio Lower Upper

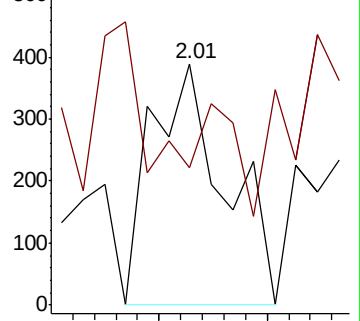
56 100

55 56.9 61.2 91.8#

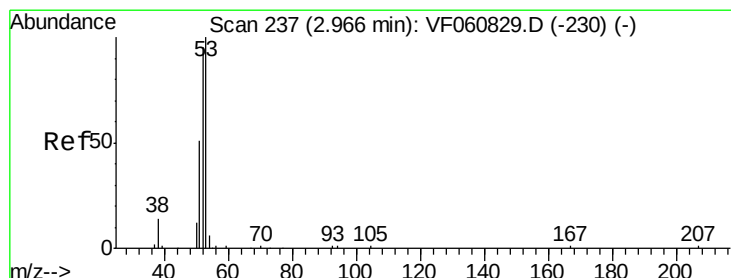
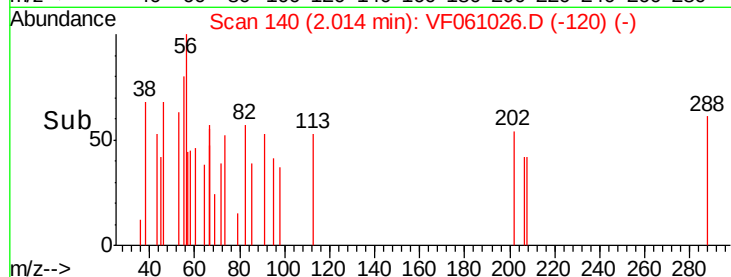


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#15

Acrylonitrile

Concen: 2.014 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.04 min

Lab File: VF061026.D

Acq: 14 Dec 2018 18:08

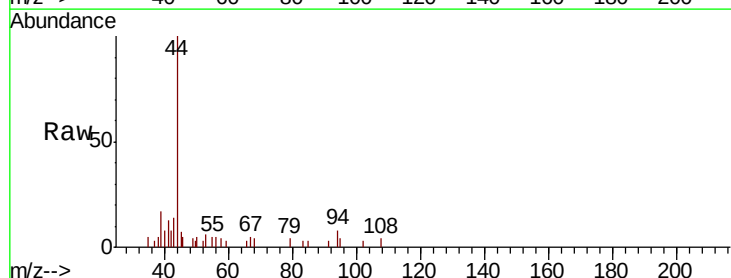
Tgt Ion: 53 Resp: 530

Ion Ratio Lower Upper

53 100

52 53.5 76.5 114.7#

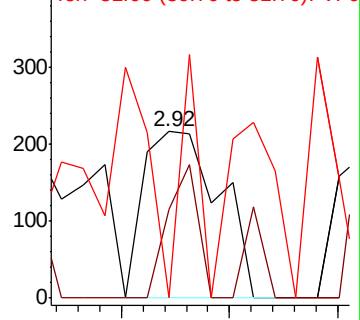
51 0.0 40.7 61.1#



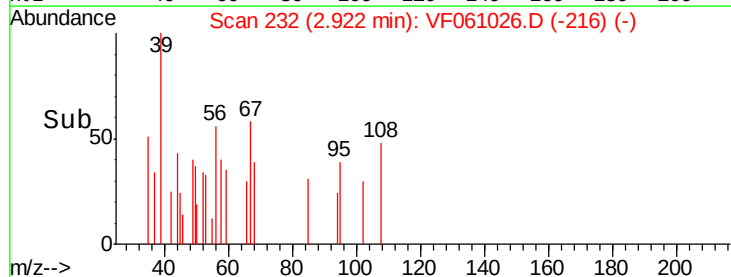
Abundance Ion 53.00 (52.70 to 53.70): VF0

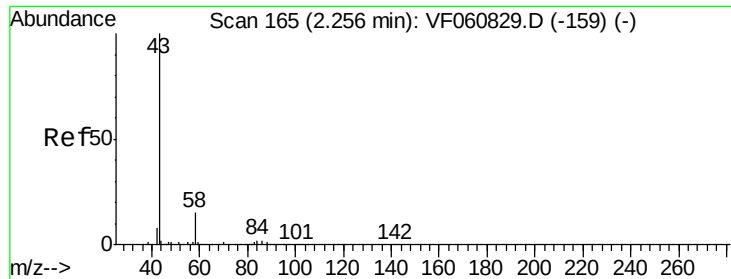
Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->

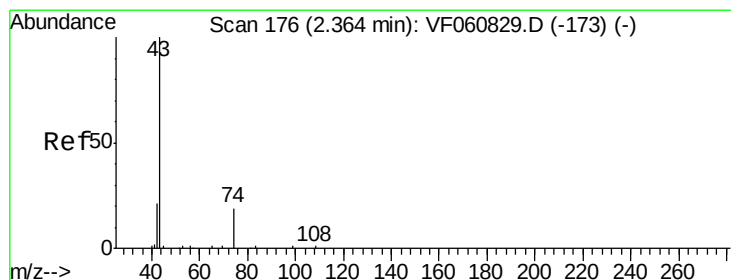
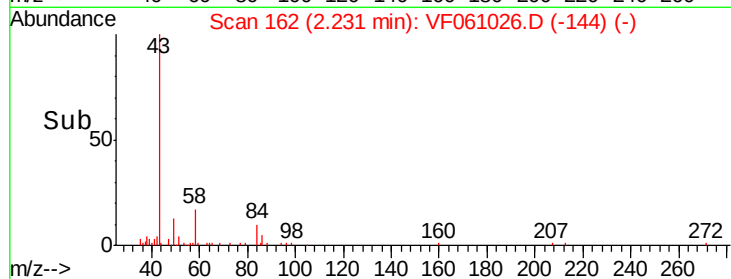
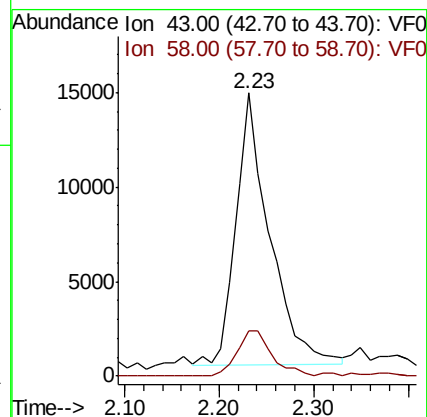
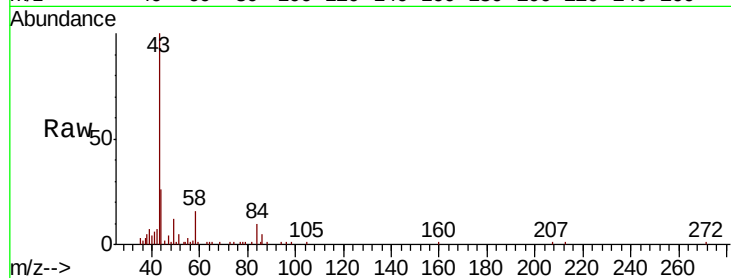




#16
Acetone
Concen: 67.433 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.02 min
Lab File: VF061026.D
Acq: 14 Dec 2018 18:08

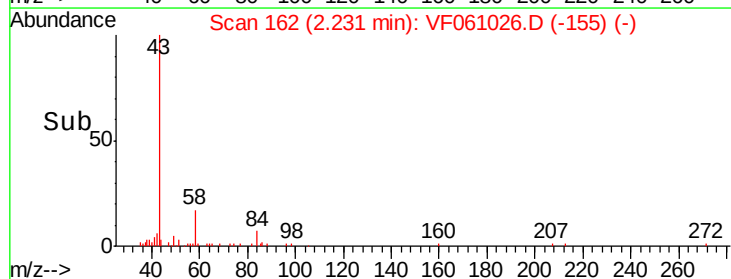
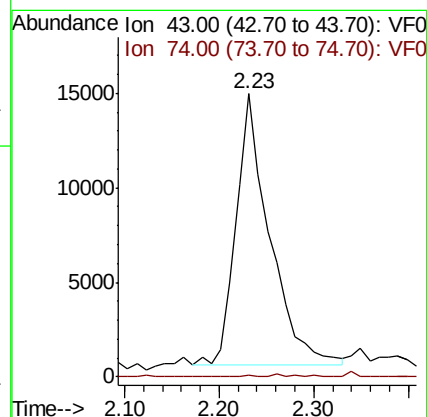
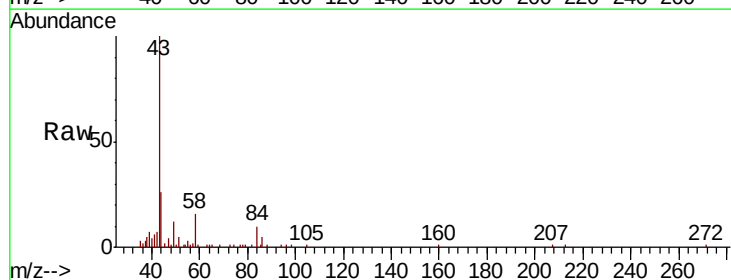
Instrument :
MSVOA_F
ClientSampleId :

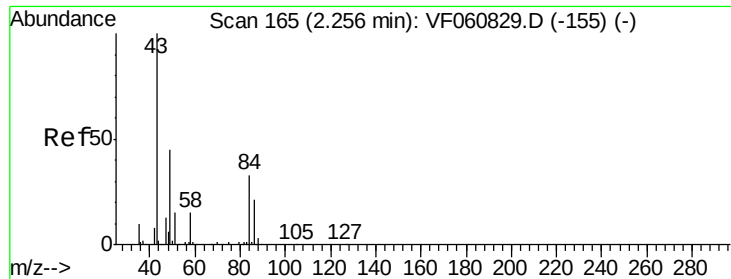
Tot Ion: 43 Resp: 35602
Ion Ratio Lower Upper
43 100
58 15.9 11.4 17.2



#18
Methyl Acetate
Concen: 39.794 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.13 min
Lab File: VF061026.D
Acq: 14 Dec 2018 18:08

Tgt Ion: 43 Resp: 35546
Ion Ratio Lower Upper
43 100
74 0.7 13.3 19.9#

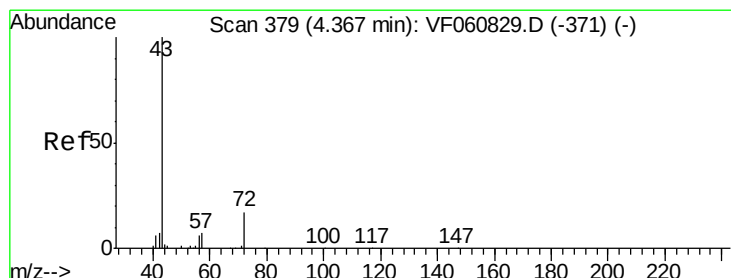
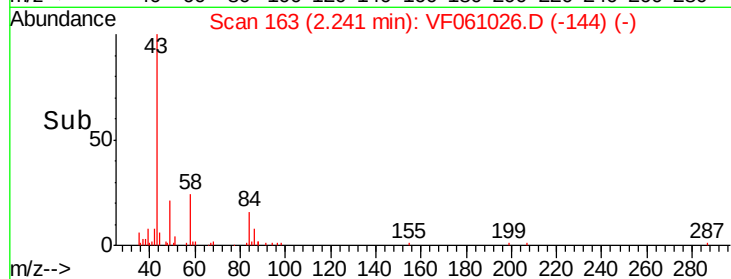
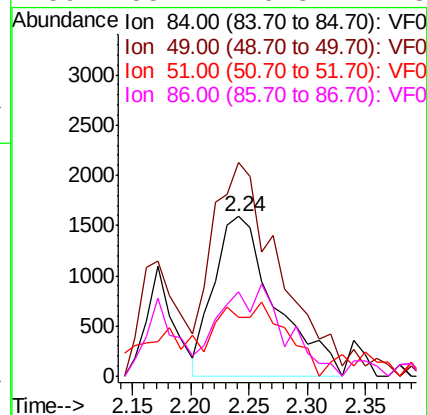
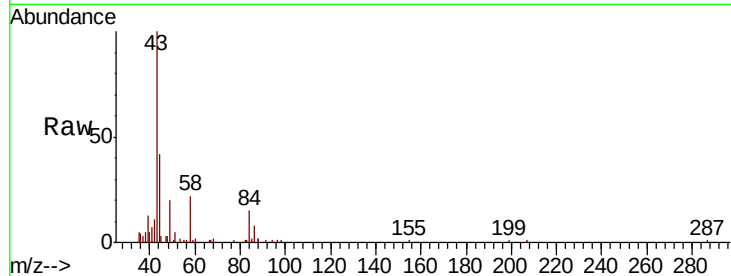




#20
Methvlene Chloride
Concen: 2.989 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.01 min
Lab File: VF061026.D
Acq: 14 Dec 2018 18:08

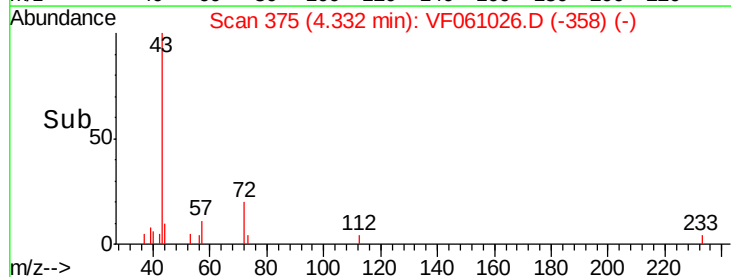
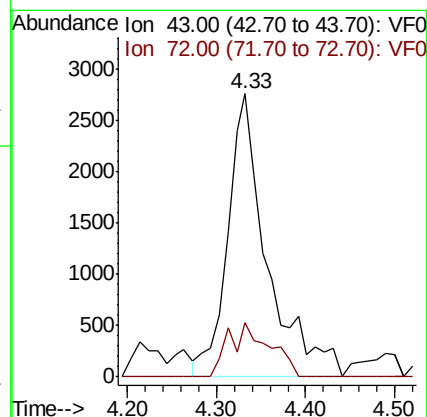
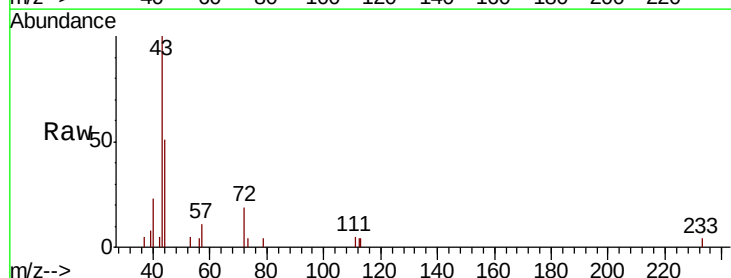
Instrument :
MSVOA_F
ClientSampleId :

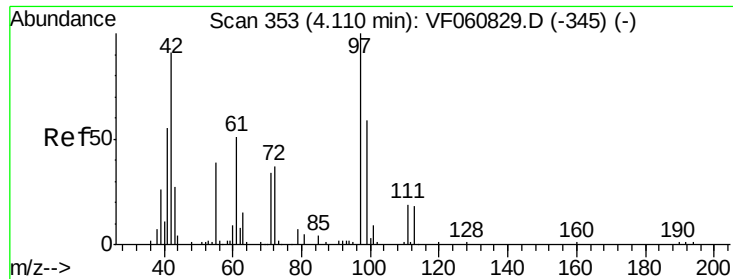
Tot Ion: 84 Resp: 5789
Ion Ratio Lower Upper
84 100
49 133.7 111.3 166.9
51 36.9 38.0 57.0#
86 53.1 49.8 74.8



#25
2-Butanone
Concen: 9.347 ug/l
RT: 4.33 min Scan# 375
Delta R.T. -0.03 min
Lab File: VF061026.D
Acq: 14 Dec 2018 18:08

Tgt Ion: 43 Resp: 8536
Ion Ratio Lower Upper
43 100
72 19.2 15.4 23.2

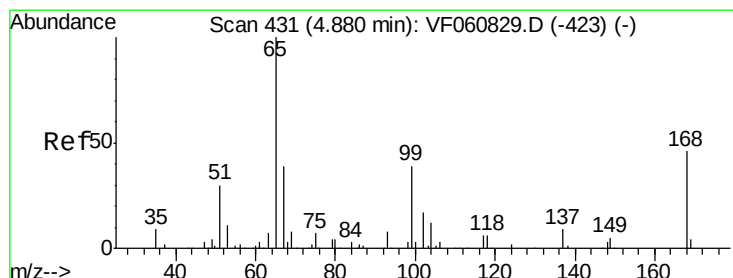
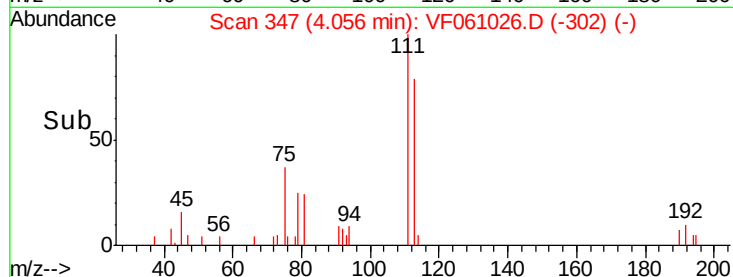
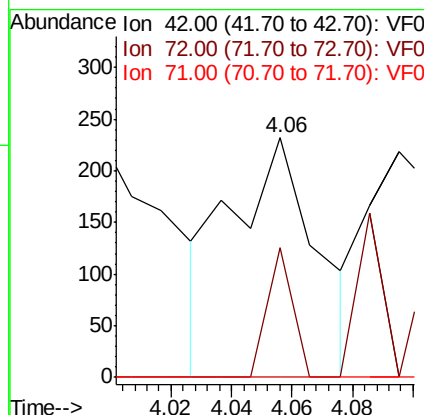
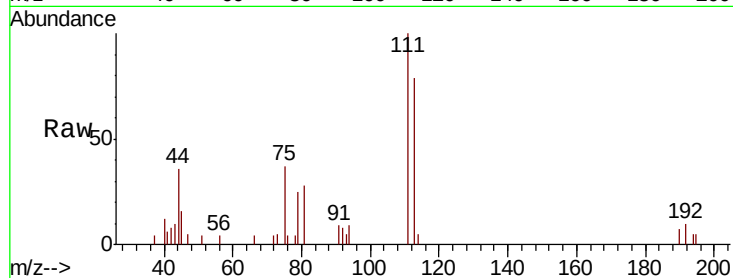




#29
Tetrahydrofuran
Concen: 1.191 ug/l
RT: 4.06 min Scan# 347
Delta R.T. -0.05 min
Lab File: VF061026.D
Acq: 14 Dec 2018 18:08

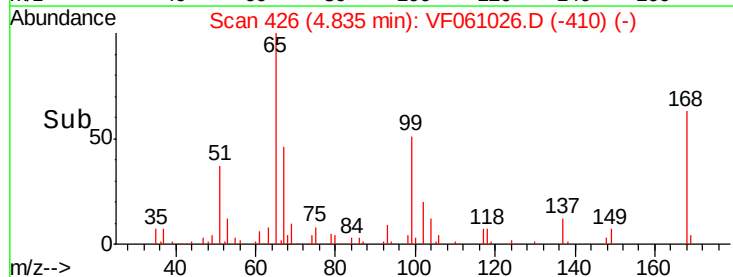
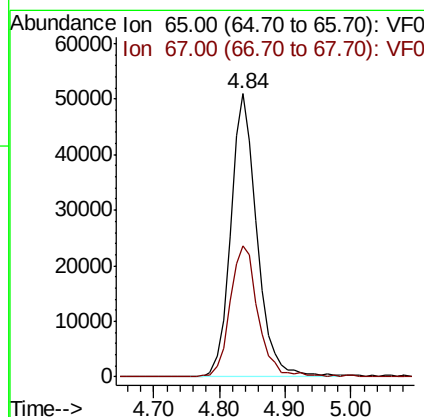
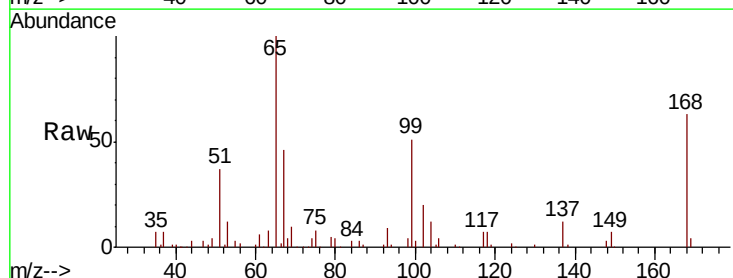
Instrument :
MSVOA_F
ClientSampleId :

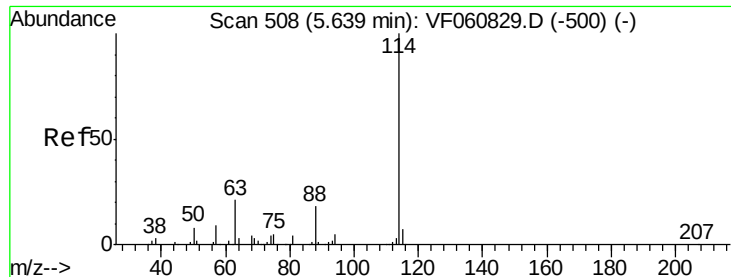
Tot Ion: 42 Resp: 461
Ion Ratio Lower Upper
42 100
72 16.1 31.9 47.9#
71 0.0 28.7 43.1#



#33
1,2-Dichloroethane-d4
Concen: 49.762 ug/l
RT: 4.84 min Scan# 426
Delta R.T. -0.04 min
Lab File: VF061026.D
Acq: 14 Dec 2018 18:08

Tgt Ion: 65 Resp: 142472
Ion Ratio Lower Upper
65 100
67 46.1 0.0 96.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 502

Delta R.T. -0.05 min

Lab File: VF061026.D

Acq: 14 Dec 2018 18:08

Instrument :

MSVOA_F

ClientSampleId :

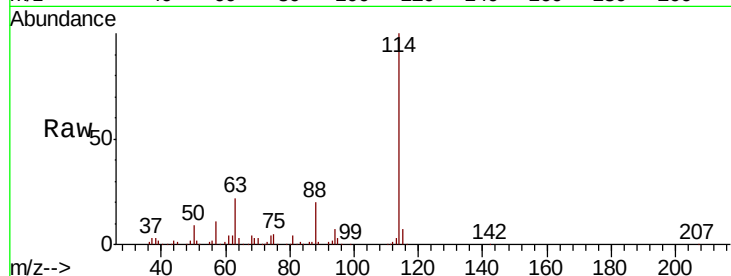
Tot Ion:114 Resp: 403183

Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.6

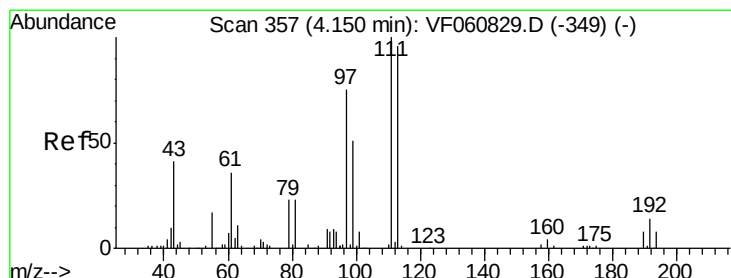
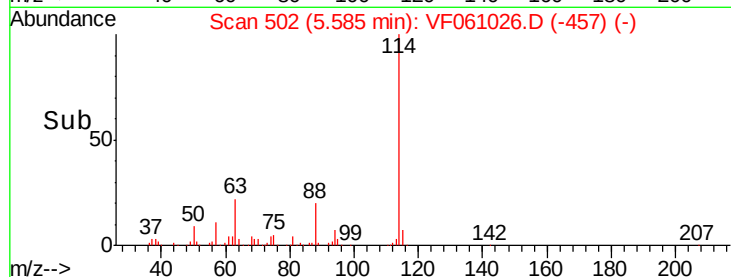
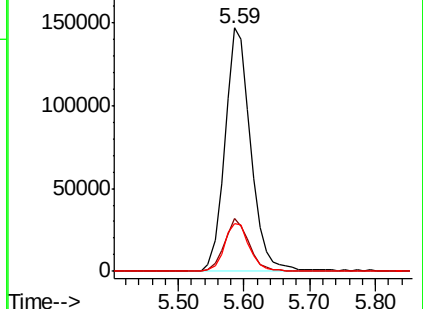
88 19.5 0.0 36.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 51.238 ug/l

RT: 4.11 min Scan# 352

Delta R.T. -0.04 min

Lab File: VF061026.D

Acq: 14 Dec 2018 18:08

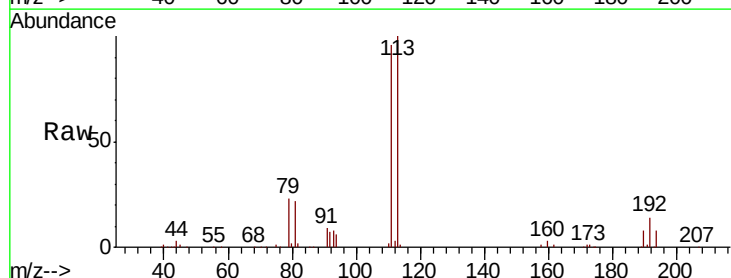
Tgt Ion:113 Resp: 163886

Ion Ratio Lower Upper

113 100

111 96.5 83.0 124.6

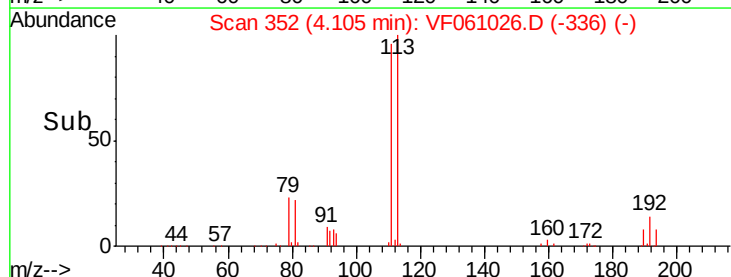
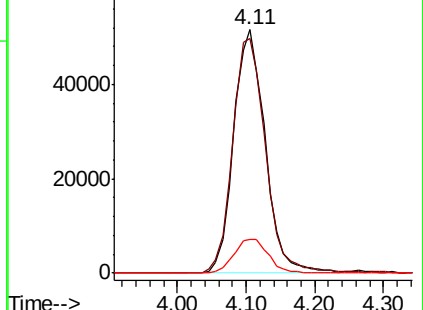
192 13.6 12.3 18.5

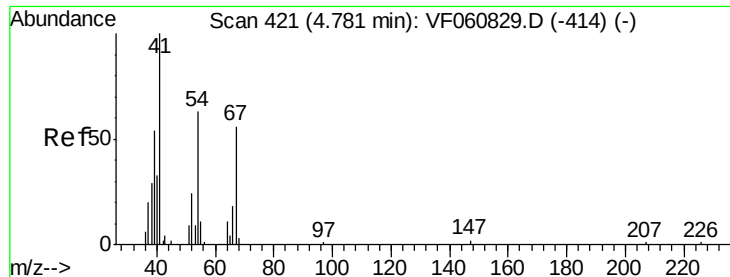


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

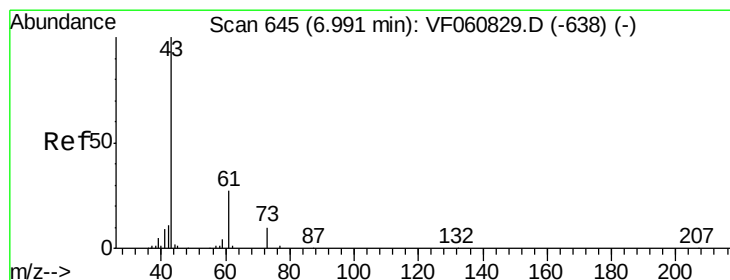
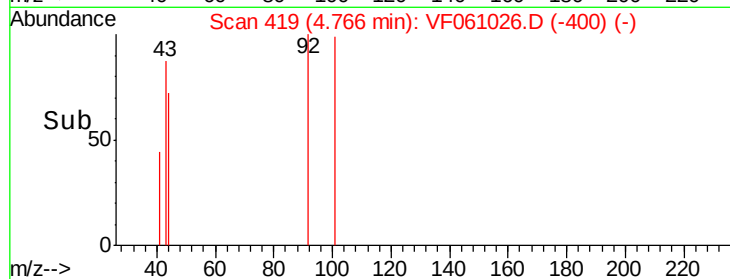
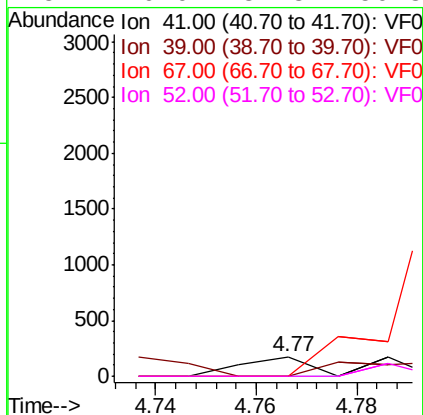
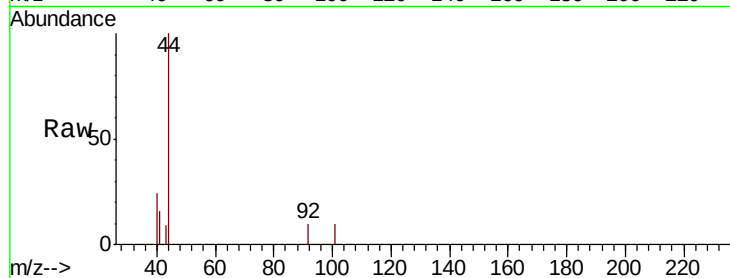




#41
Methacrylonitrile
Concen: Below Cal
RT: 4.77 min Scan# 419
Delta R.T. -0.01 min
Lab File: VF061026.D
Acq: 14 Dec 2018 18:08

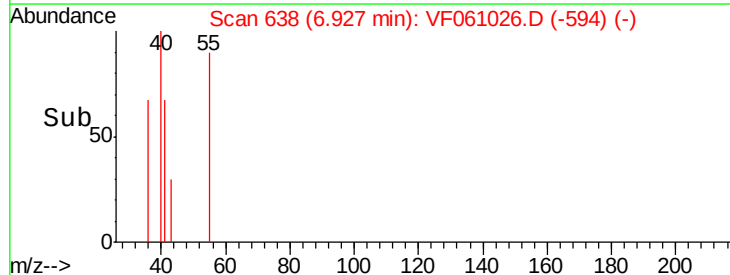
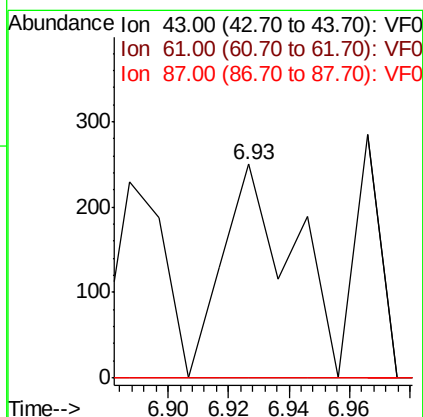
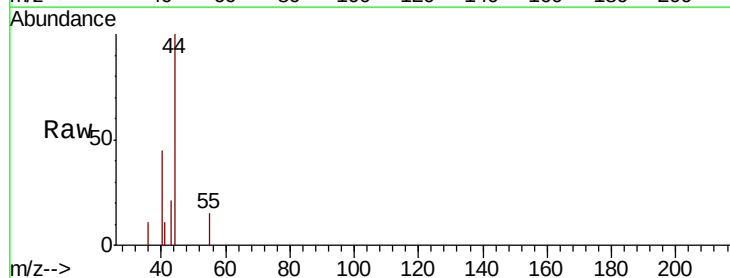
Instrument :
MSVOA_F
ClientSampleId :

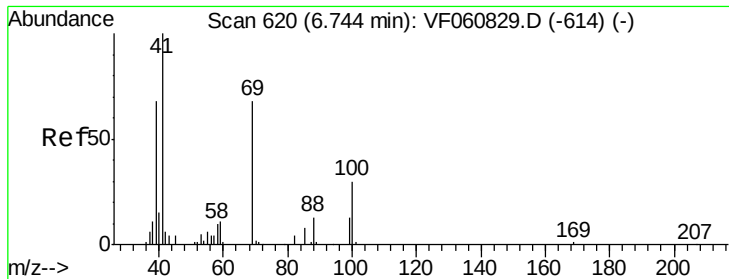
Tot Ion:	41	Resp:	168
Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.0	79.6#
67	0.0	43.8	65.6#
52	0.0	37.8	56.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 6.93 min Scan# 638
Delta R.T. -0.06 min
Lab File: VF061026.D
Acq: 14 Dec 2018 18:08

Tgt Ion:	43	Resp:	405
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: 5.399 ug/l

RT: 6.45 min Scan# 590

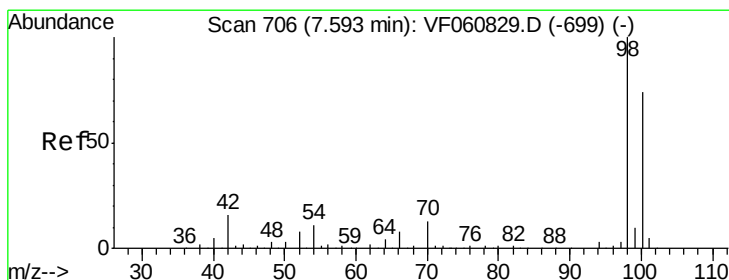
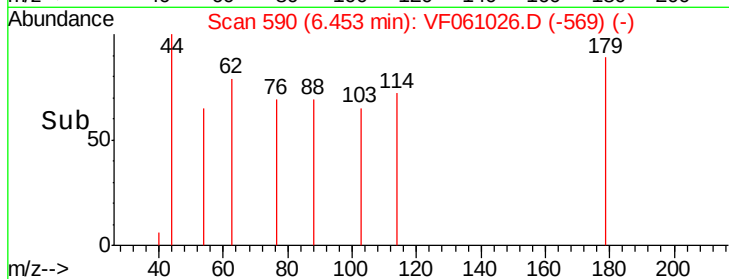
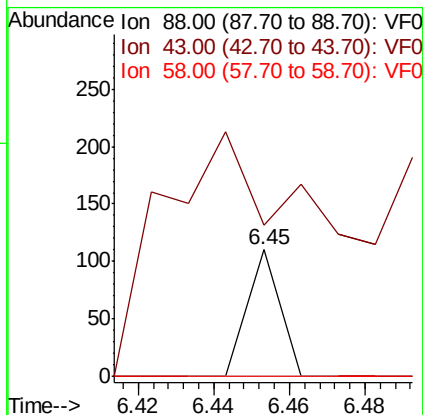
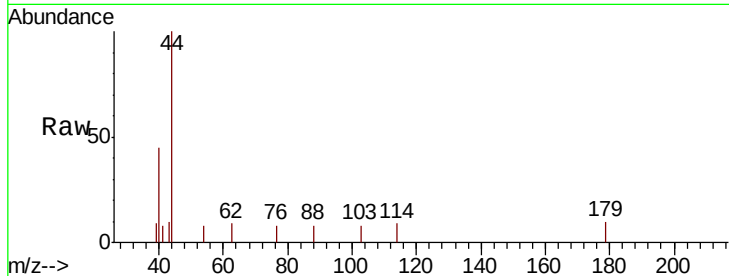
Delta R.T. -0.29 min

Lab File: VF061026.D

Acq: 14 Dec 2018 18:08

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 120.0 42.0 63.0#
58 0.0 61.8 92.8#



#50

Toluene-d8

Concen: 45.617 ug/l

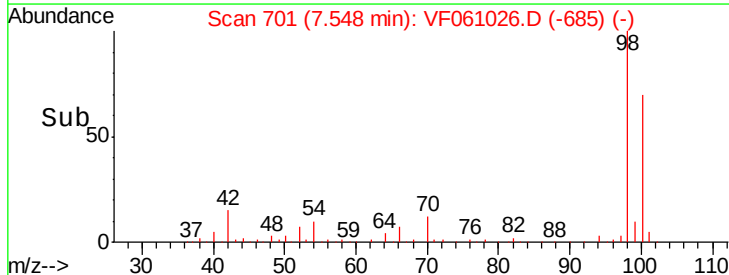
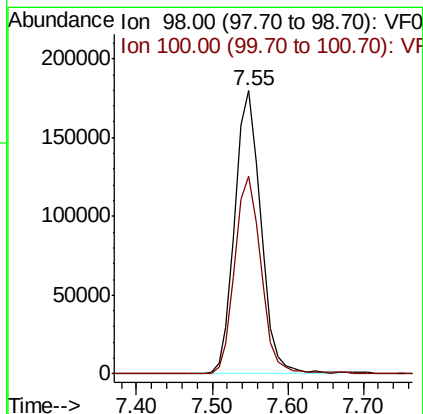
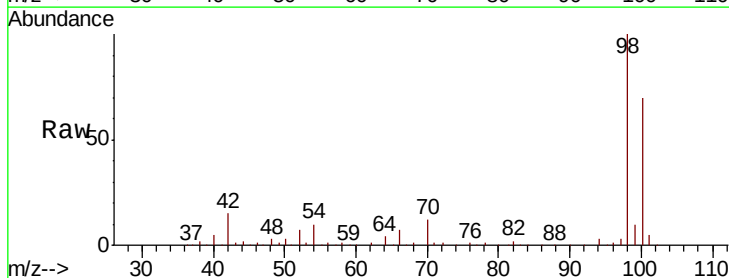
RT: 7.55 min Scan# 701

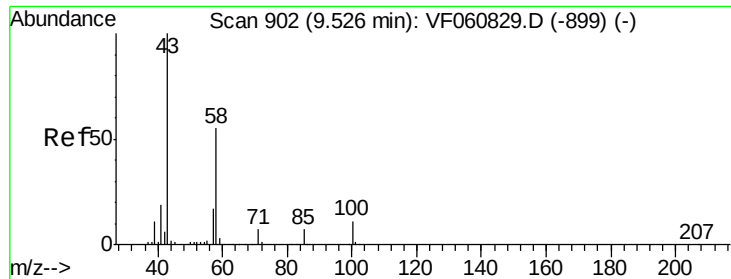
Delta R.T. -0.04 min

Lab File: VF061026.D

Acq: 14 Dec 2018 18:08

Tgt Ion: 98 Resp: 429799
Ion Ratio Lower Upper
98 100
100 70.0 59.3 88.9

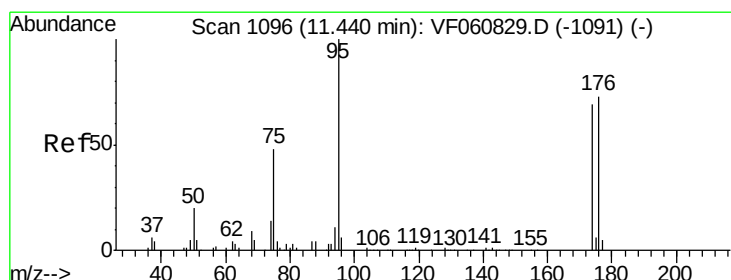
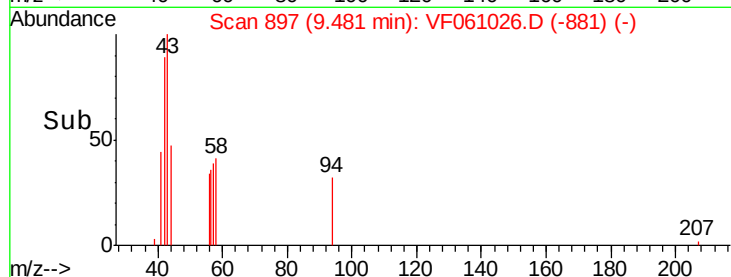
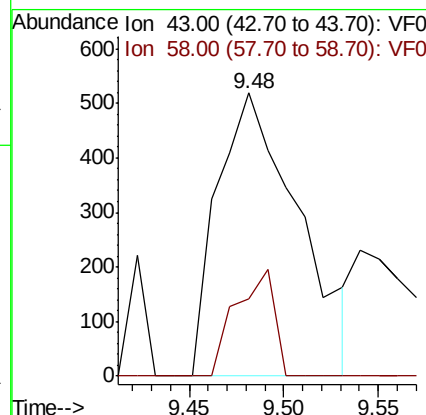
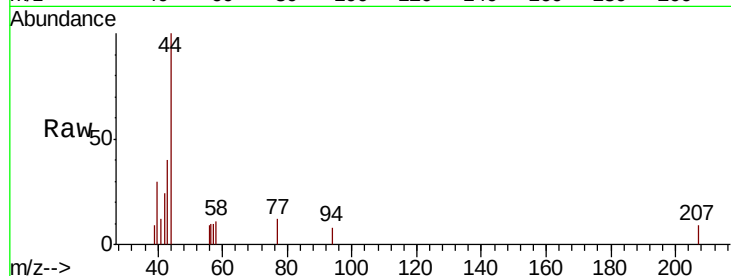




#59
2-Hexanone
Concen: 1.315 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.04 min
Lab File: VF061026.D
Acq: 14 Dec 2018 18:08

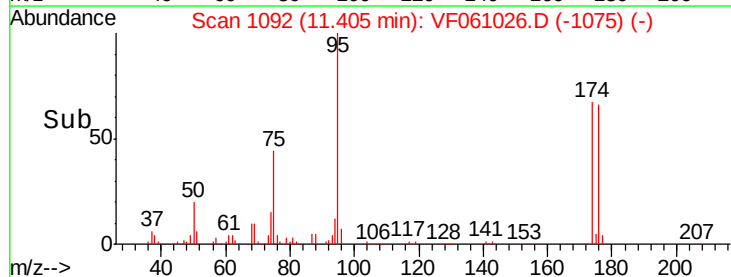
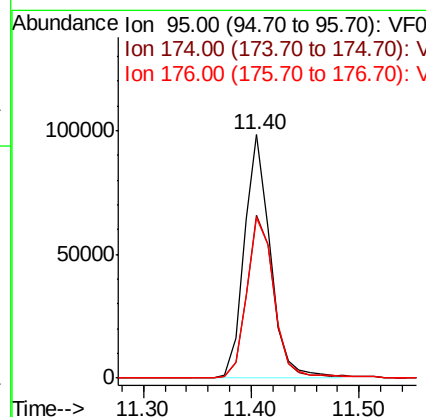
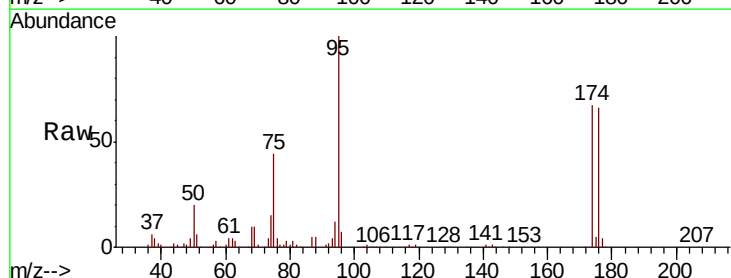
Instrument :
MSVOA_F
ClientSampled :

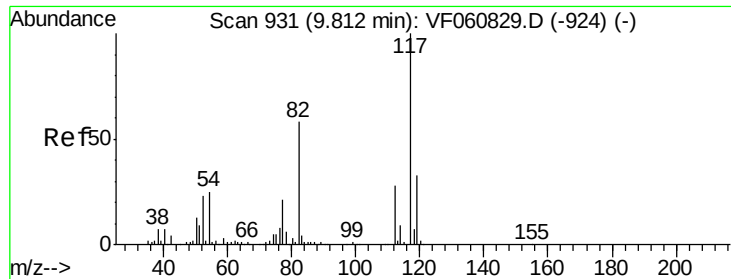
Tot Ion: 43 Resp: 1546
Ion Ratio Lower Upper
43 100
58 27.4 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 38.311 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.03 min
Lab File: VF061026.D
Acq: 14 Dec 2018 18:08

Tgt Ion: 95 Resp: 164053
Ion Ratio Lower Upper
95 100
174 66.8 0.0 138.2
176 66.1 0.0 146.2

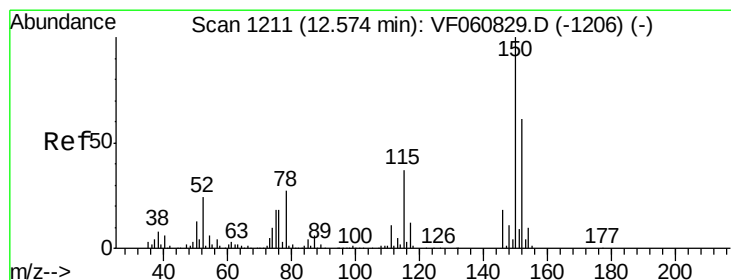
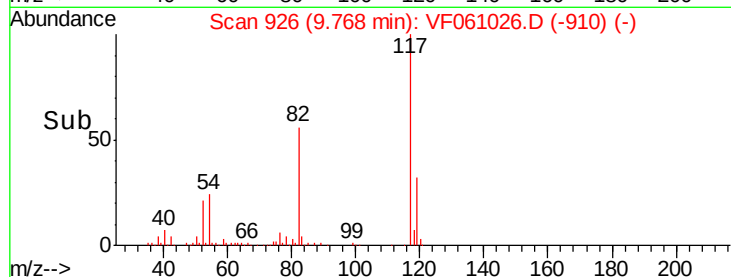
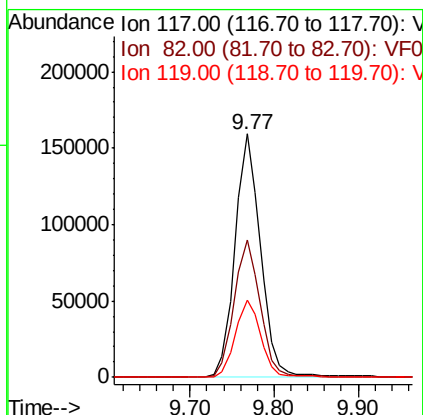
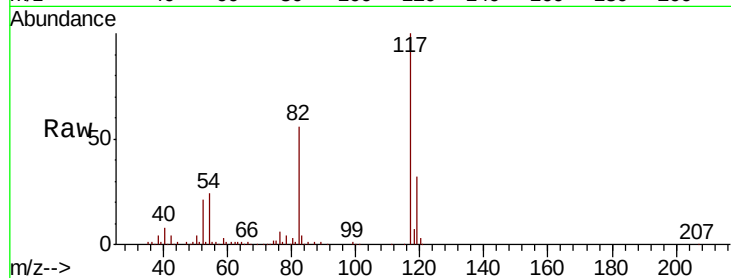




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. -0.04 min
Lab File: VF061026.D
Acq: 14 Dec 2018 18:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 337435
Ion Ratio Lower Upper
117 100
82 56.5 46.6 69.8
119 31.7 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061026.D
Acq: 14 Dec 2018 18:08

Tgt Ion:152 Resp: 133927
Ion Ratio Lower Upper
152 100
115 54.8 30.1 90.5
150 151.2 0.0 327.6

