

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100418\
 Data File : VF060445.D
 Acq On : 4 Oct 2018 19:33
 Operator : VA/AP
 Sample : J5212-05
 Misc : 5.75/5mL/MSVOA F/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Oct 05 01:12:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	182027	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.75	114	335594	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	290548	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	152294	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	171409	60.18	ug/l	0.02
Spiked Amount 50.000			Recovery	=	120.36%	
35) Dibromofluoromethane	4.28	113	176396	55.95	ug/l	0.02
Spiked Amount 50.000			Recovery	=	111.90%	
50) Toluene-d8	7.70	98	359692	46.33	ug/l	0.02
Spiked Amount 50.000			Recovery	=	92.66%	
62) 4-Bromofluorobenzene	11.50	95	158163	44.61	ug/l	0.02
Spiked Amount 50.000			Recovery	=	89.22%	

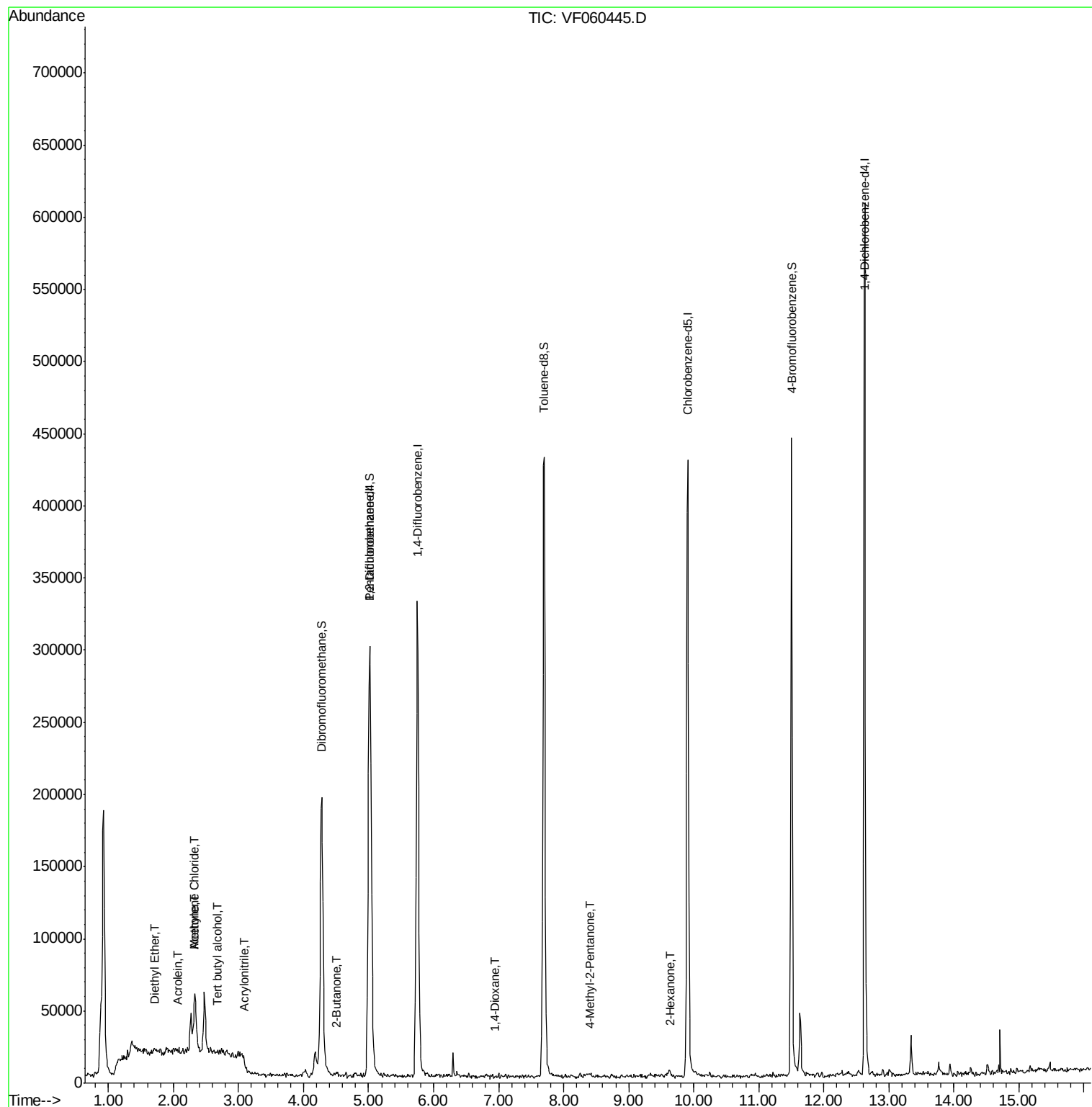
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	293	Below Cal	#	43
8) Diethyl Ether	1.70	74	951	1.163	ug/l	94
11) Tert butyl alcohol	2.67	59	716	4.156	ug/l #	1
13) Acrolein	2.05	56	1058	7.636	ug/l	92
15) Acrylonitrile	3.08	53	1234	4.180	ug/l #	60
16) Acetone	2.33	43	27592	25.771	ug/l	95
18) Methyl Acetate	2.42	43	948	Below Cal	#	73
20) Methylene Chloride	2.32	84	14860	1.777	ug/l	90
25) 2-Butanone	4.51	43	2669	3.619	ug/l #	59
29) Tetrahydrofuran	4.27	42	461	Below Cal	#	48
49) 1,4-Dioxane	6.94	88	80	6.750	ug/l #	1
51) 4-Methyl-2-Pentanone	8.39	43	3162	2.320	ug/l #	39
59) 2-Hexanone	9.62	43	5124	5.125	ug/l	64

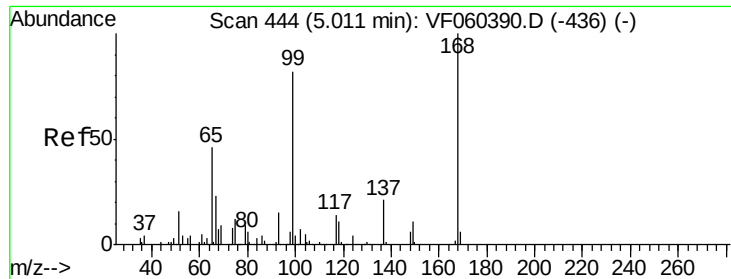
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100418\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. 0.02 min

Lab File: VF060445.D

Acq: 4 Oct 2018 19:33

Instrument :

MSVOA_F

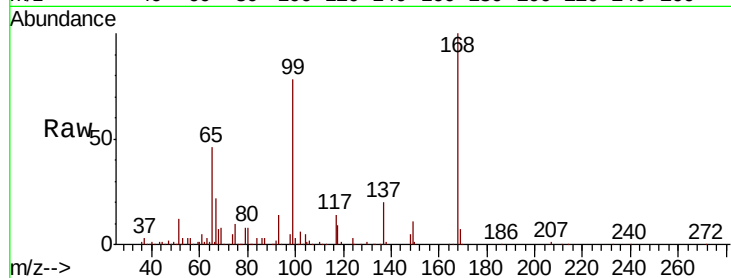
ClientSampleId :

Tot Ion:168 Resp: 182027

Ion Ratio Lower Upper

168 100

99 77.6 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

60000

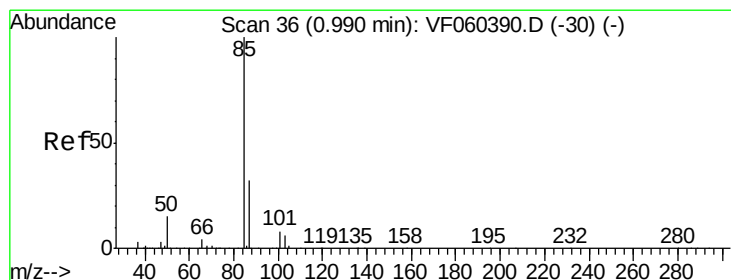
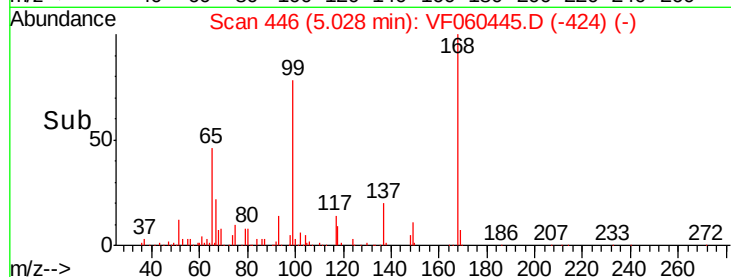
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.01 min Scan# 38

Delta R.T. 0.02 min

Lab File: VF060445.D

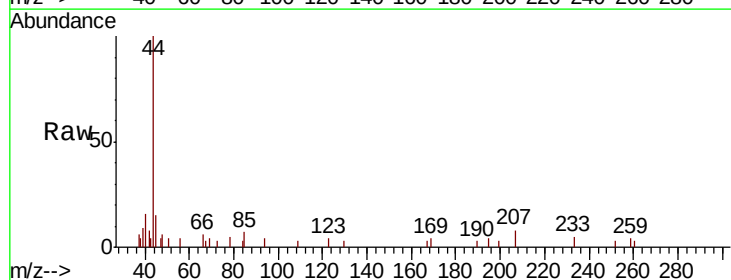
Acq: 4 Oct 2018 19:33

Tgt Ion: 85 Resp: 293

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

250

200

150

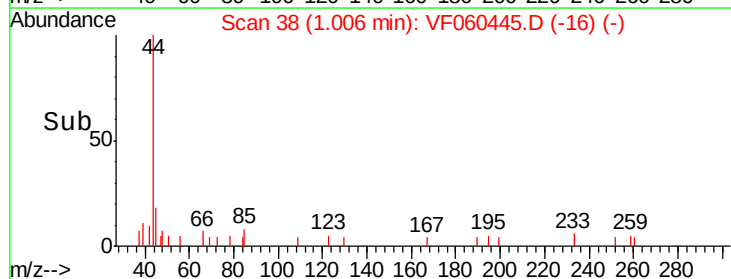
100

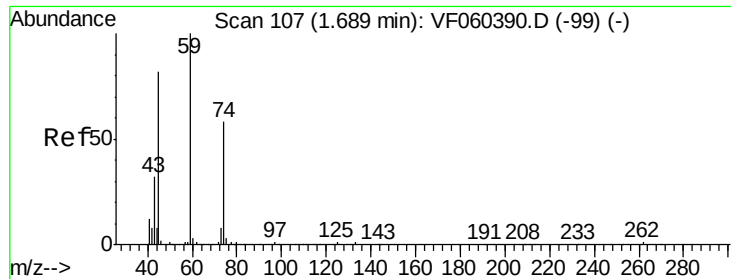
50

0

Time-->

1.00 1.05

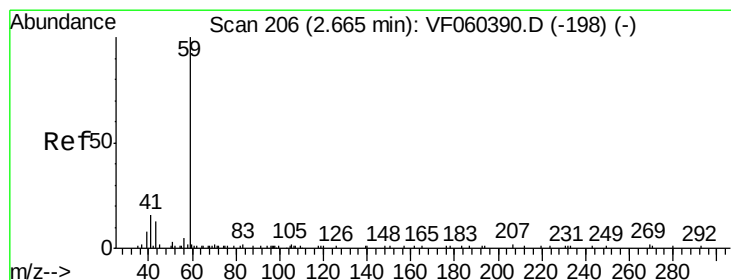
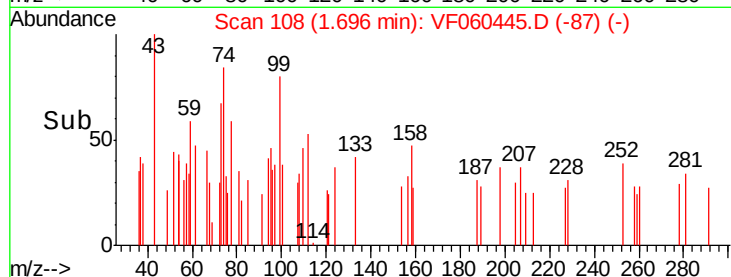
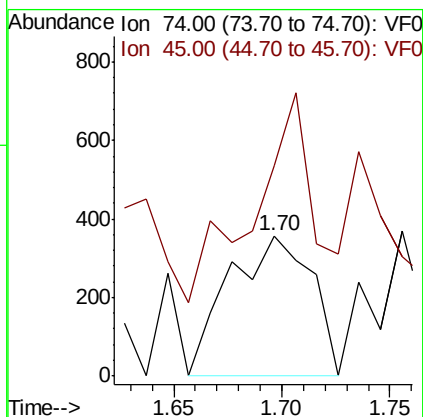
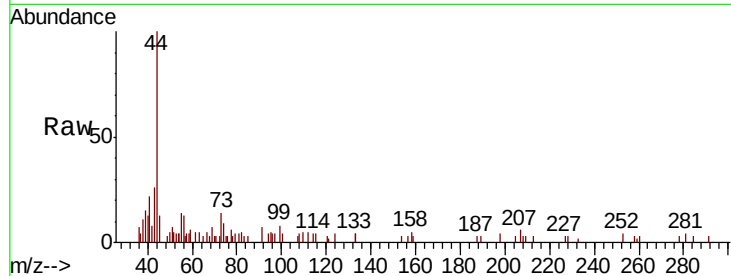




#8
Diethyl Ether
Concen: 1.163 ug/l
RT: 1.70 min Scan# 108
Delta R.T. 0.01 min
Lab File: VF060445.D
Acq: 4 Oct 2018 19:33

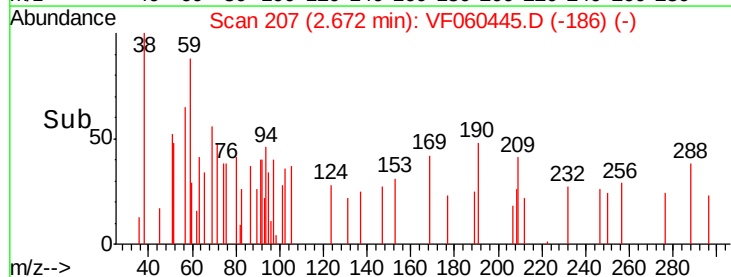
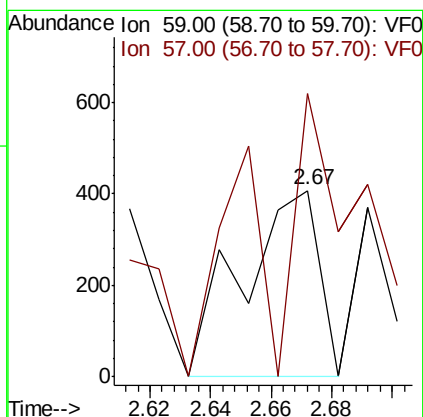
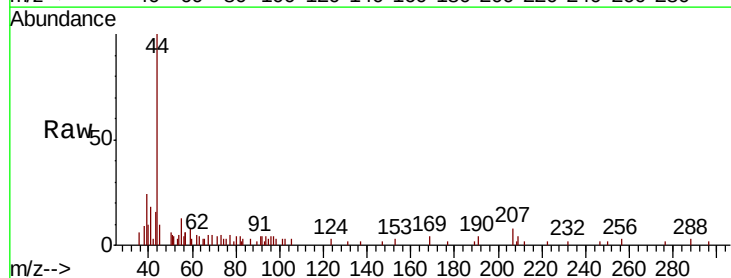
Instrument :
MSVOA_F
ClientSampleId :

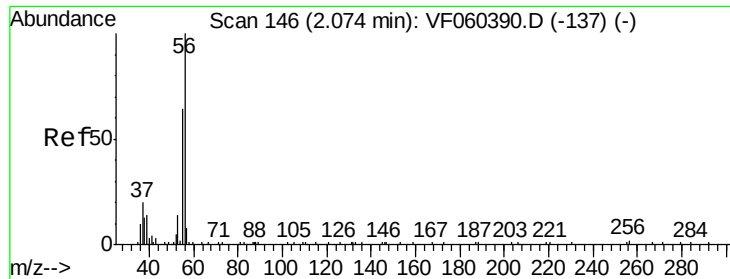
Tot Ion: 74 Resp: 951
Ion Ratio Lower Upper
74 100
45 150.1 71.3 213.8



#11
Tert butyl alcohol
Concen: 4.156 ug/l
RT: 2.67 min Scan# 207
Delta R.T. 0.01 min
Lab File: VF060445.D
Acq: 4 Oct 2018 19:33

Tgt Ion: 59 Resp: 716
Ion Ratio Lower Upper
59 100
57 152.1 6.5 9.7#





#13

Acrolein

Concen: 7.636 ug/l

RT: 2.05 min Scan# 144

Delta R.T. -0.02 min

Lab File: VF060445.D

Acq: 4 Oct 2018 19:33

Instrument :

MSVOA_F

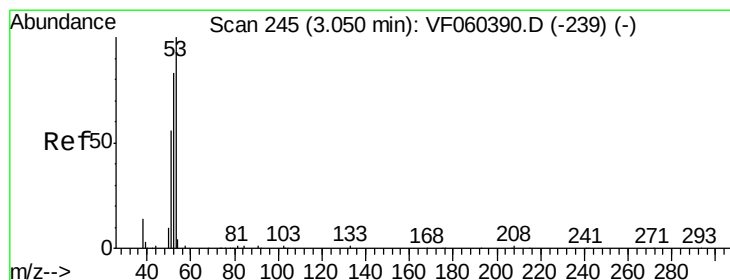
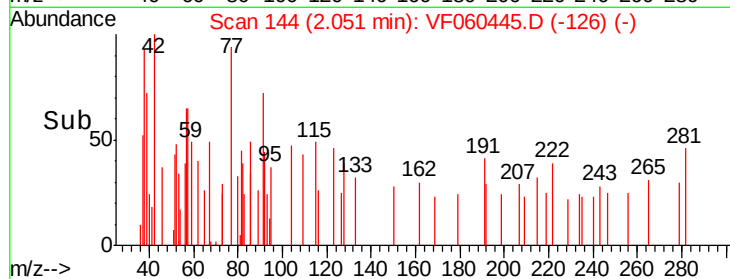
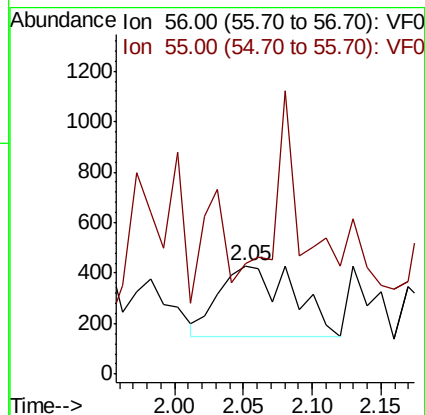
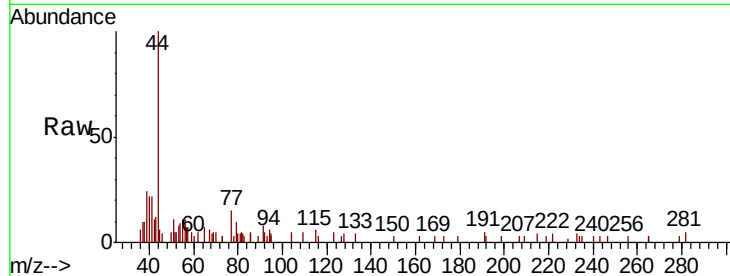
ClientSampled :

Tot Ion: 56 Resp: 1058

Ion Ratio Lower Upper

56 100

55 60.7 53.9 80.9



#15

Acrylonitrile

Concen: 4.180 ug/l

RT: 3.08 min Scan# 248

Delta R.T. 0.03 min

Lab File: VF060445.D

Acq: 4 Oct 2018 19:33

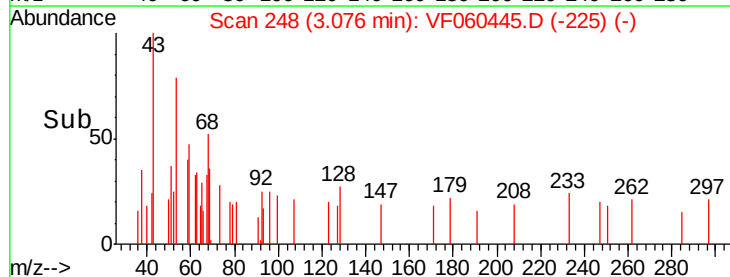
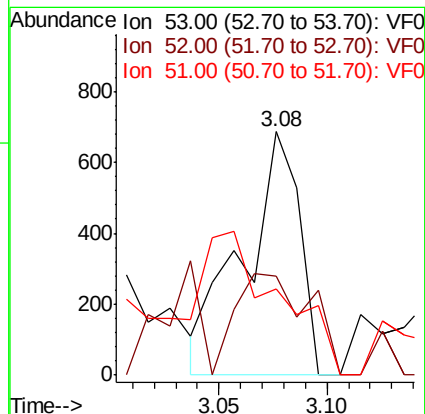
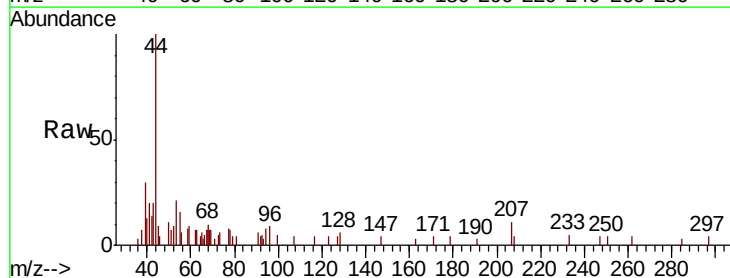
Tgt Ion: 53 Resp: 1234

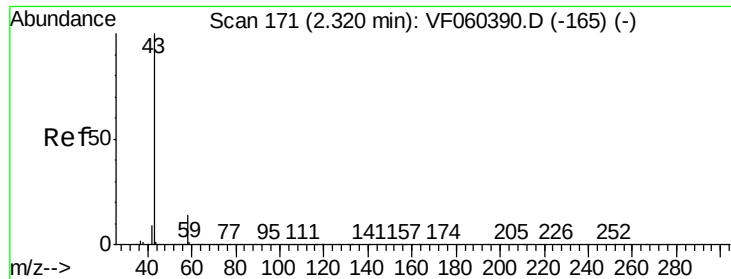
Ion Ratio Lower Upper

53 100

52 40.6 66.0 99.0#

51 35.5 45.6 68.4#

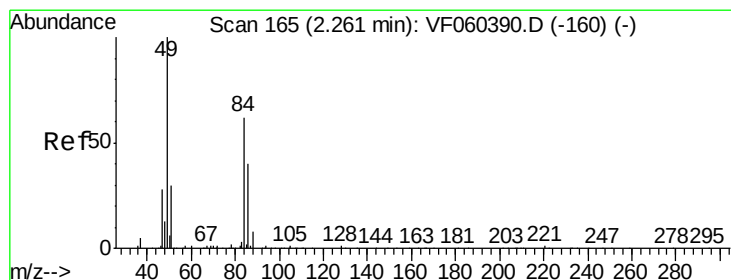
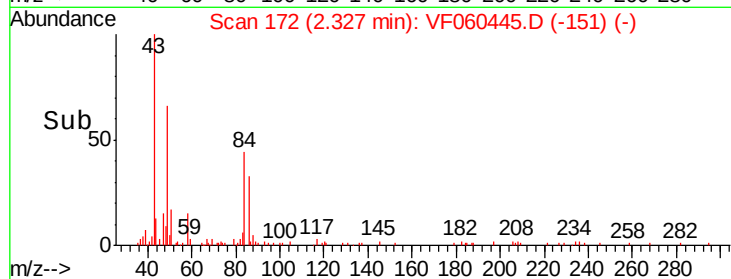
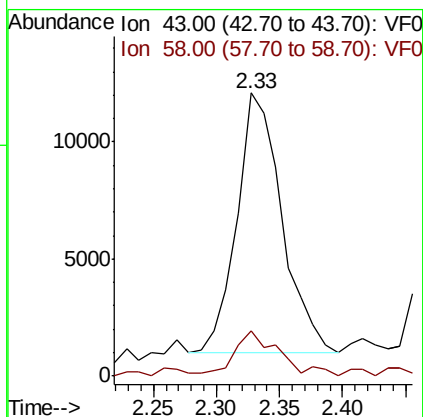
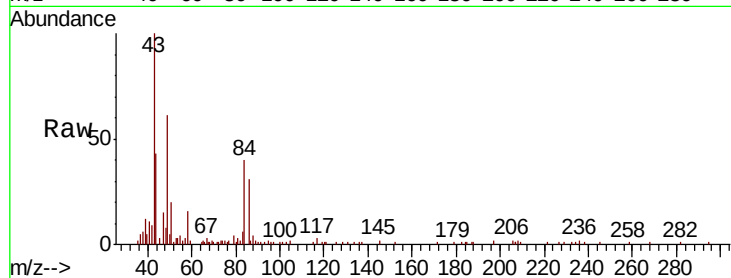




#16
Acetone
Concen: 25.771 ug/l
RT: 2.33 min Scan# 172
Delta R.T. 0.01 min
Lab File: VF060445.D
Acq: 4 Oct 2018 19:33

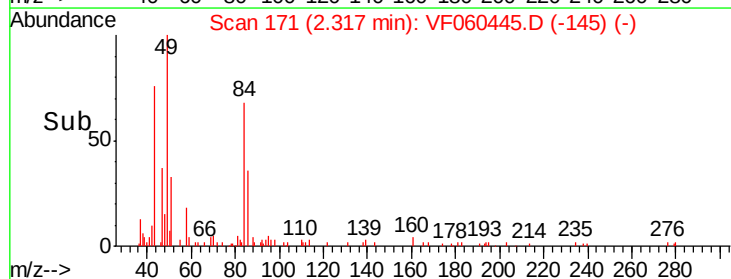
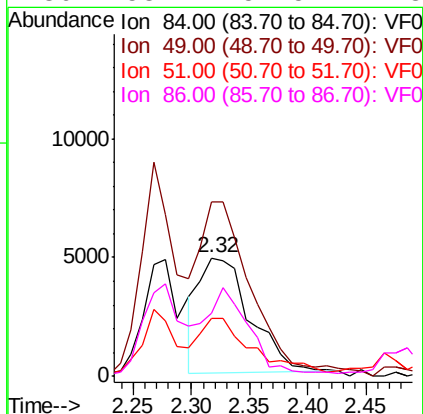
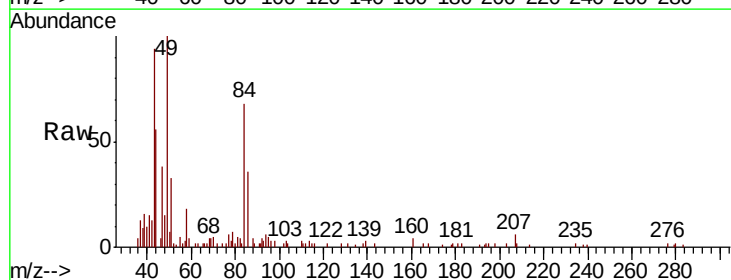
Instrument :
MSVOA_F
ClientSampleId :

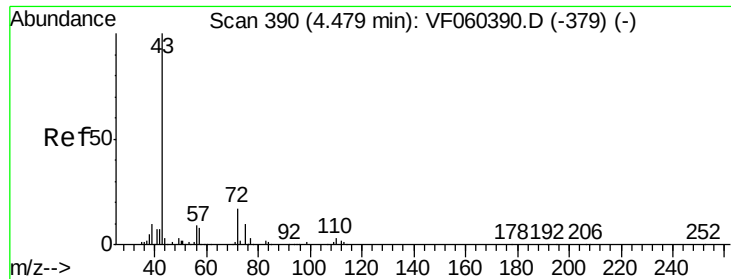
Tot Ion: 43 Resp: 27592
Ion Ratio Lower Upper
43 100
58 16.1 11.2 16.8



#20
Methylene Chloride
Concen: 1.777 ug/l
RT: 2.32 min Scan# 171
Delta R.T. 0.06 min
Lab File: VF060445.D
Acq: 4 Oct 2018 19:33

Tgt Ion: 84 Resp: 14860
Ion Ratio Lower Upper
84 100
49 147.7 130.2 195.2
51 49.3 41.0 61.6
86 53.1 51.5 77.3





#25

2-Butanone

Concen: 3.619 ug/l

RT: 4.51 min Scan# 393

Delta R.T. 0.03 min

Lab File: VF060445.D

Acq: 4 Oct 2018 19:33

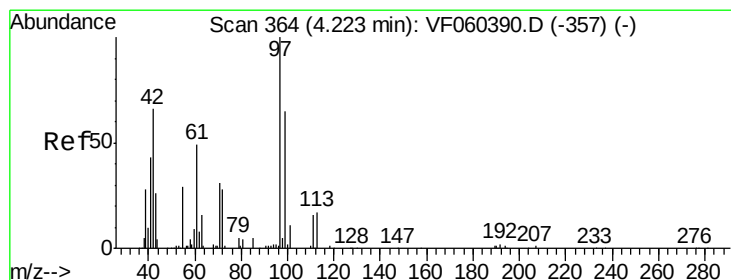
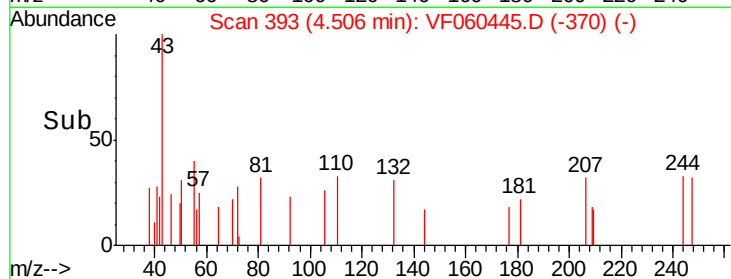
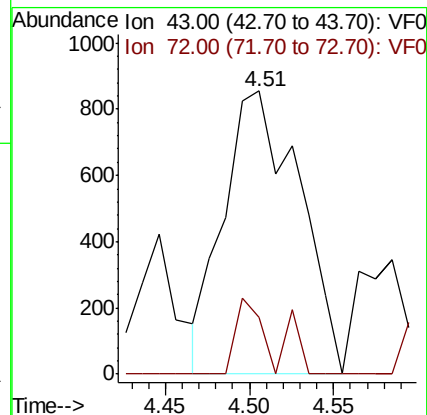
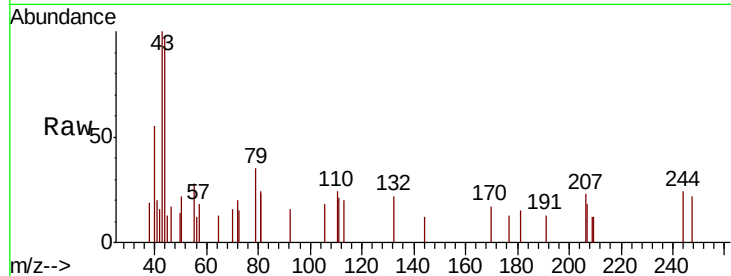
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 2669

Ion Ratio Lower Upper

43 100

72 35.4 14.1 21.1#



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.27 min Scan# 369

Delta R.T. 0.05 min

Lab File: VF060445.D

Acq: 4 Oct 2018 19:33

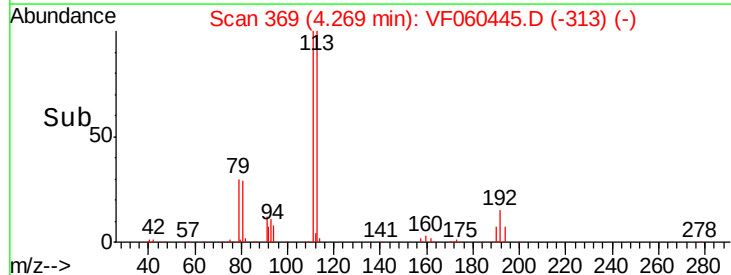
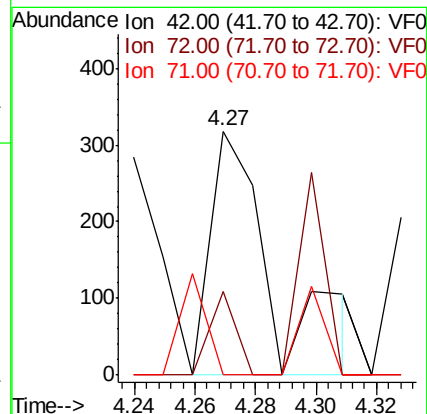
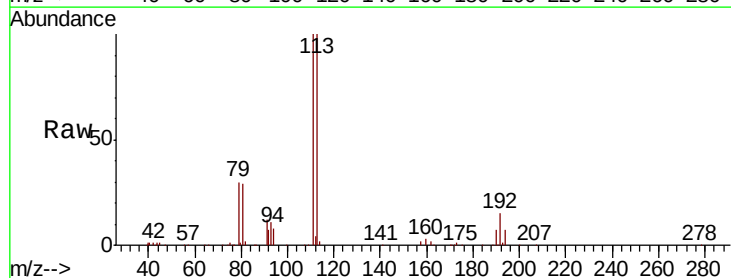
Tgt Ion: 42 Resp: 461

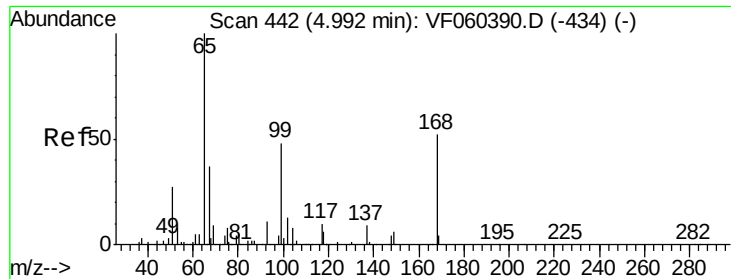
Ion Ratio Lower Upper

42 100

72 0.0 33.6 50.4#

71 17.1 32.7 49.1#

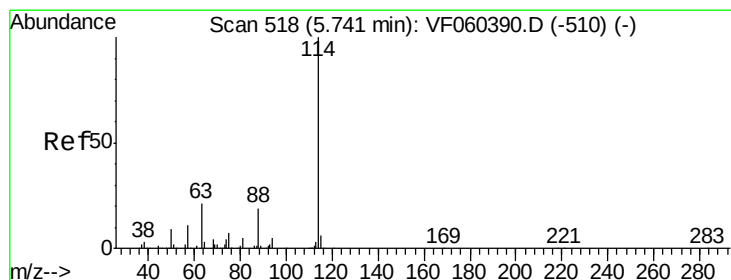
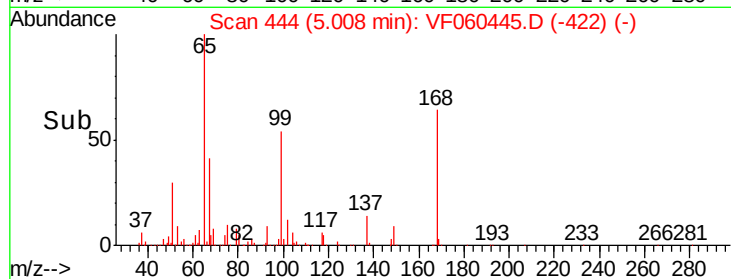
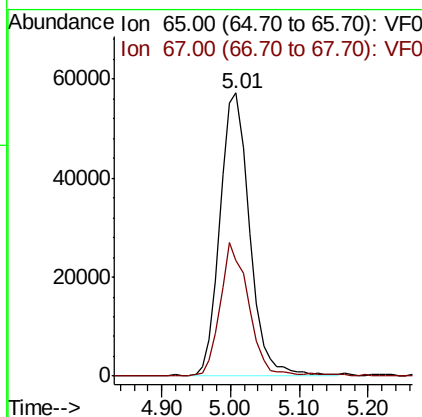
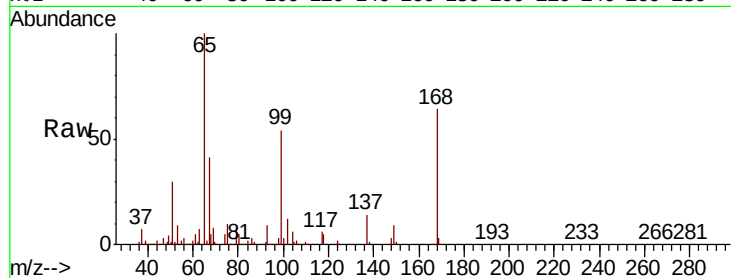




#33
 1,2-Dichloroethane-d4
 Concen: 60.179 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. 0.02 min
 Lab File: VF060445.D
 Acq: 4 Oct 2018 19:33

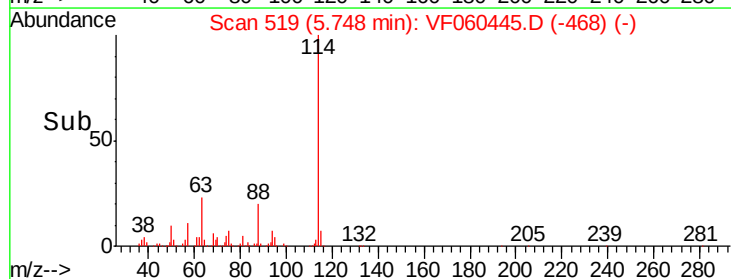
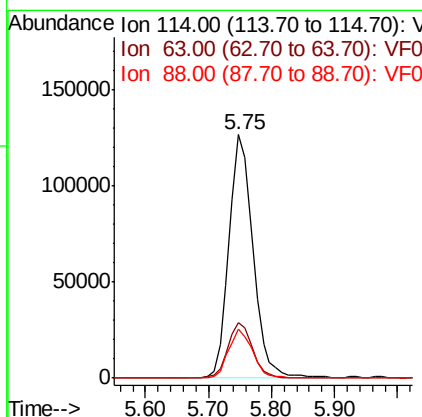
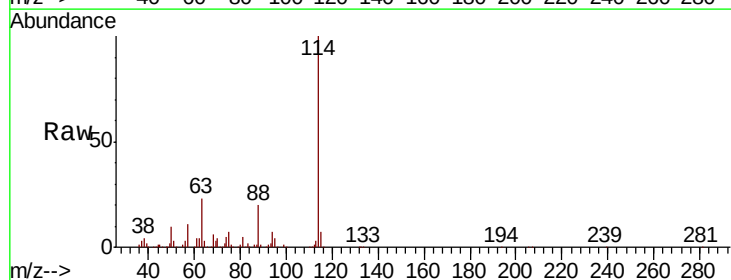
Instrument :
 MSVOA_F
 ClientSampleId :

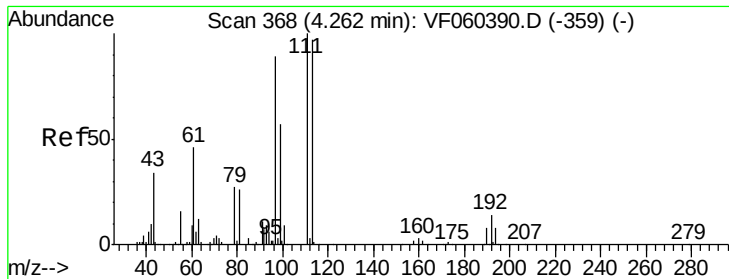
Tot Ion: 65 Resp: 171409
 Ion Ratio Lower Upper
 65 100
 67 41.0 0.0 89.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VF060445.D
 Acq: 4 Oct 2018 19:33

Tgt Ion: 114 Resp: 335594
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 42.2
 88 20.3 0.0 38.8





#35

Dibromofluoromethane

Concen: 55.951 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.02 min

Lab File: VF060445.D

Acq: 4 Oct 2018 19:33

Instrument :

MSVOA_F

ClientSampleId :

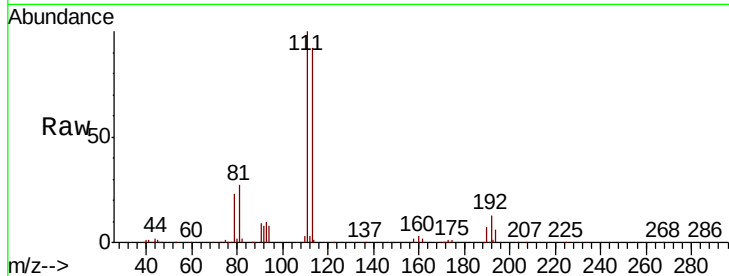
Tot Ion:113 Resp: 176396

Ion Ratio Lower Upper

113 100

111 108.7 82.3 123.5

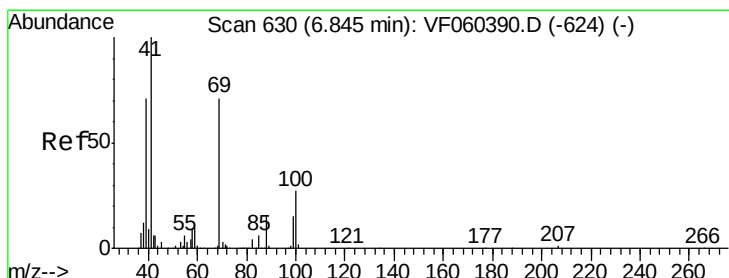
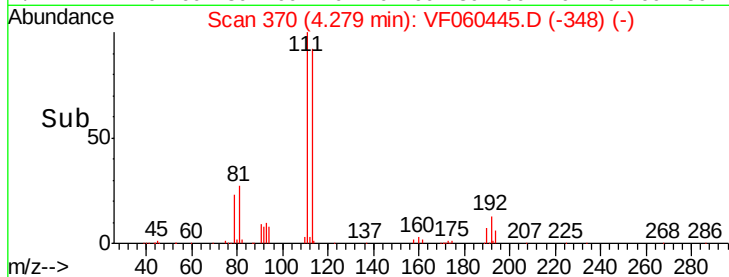
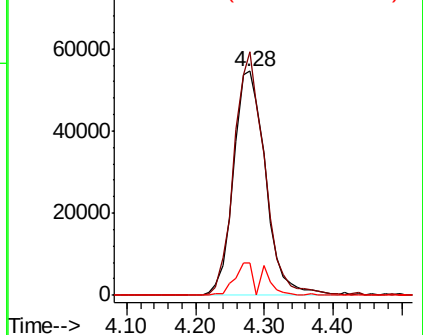
192 14.2 11.8 17.6



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



#49

1,4-Dioxane

Concen: 6.750 ug/l

RT: 6.94 min Scan# 640

Delta R.T. 0.10 min

Lab File: VF060445.D

Acq: 4 Oct 2018 19:33

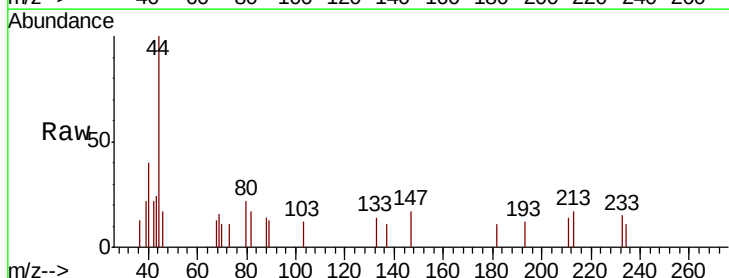
Tgt Ion: 88 Resp: 80

Ion Ratio Lower Upper

88 100

43 169.9 38.3 57.5#

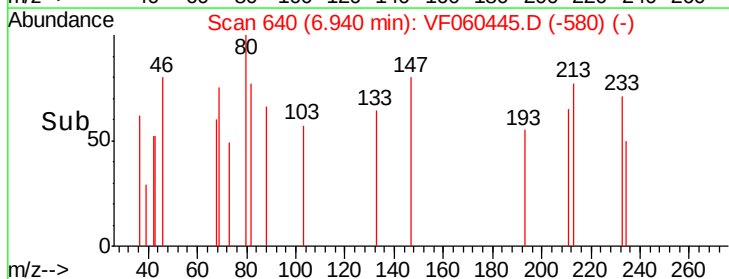
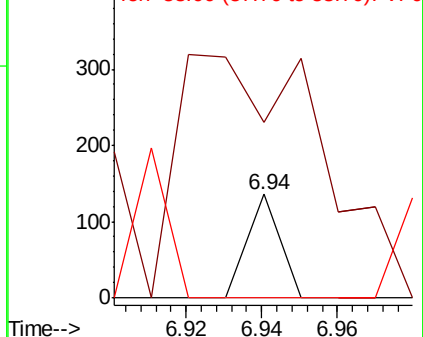
58 0.0 47.4 71.2#

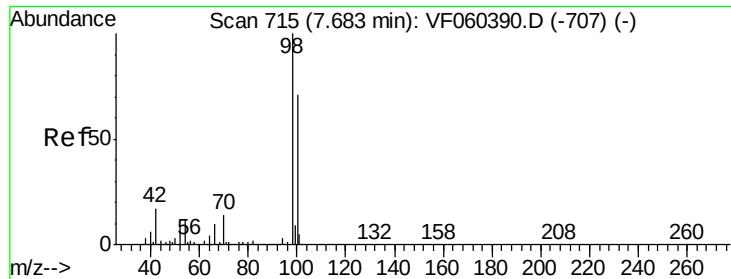


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

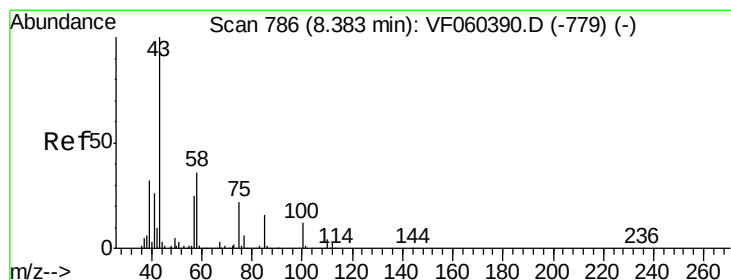
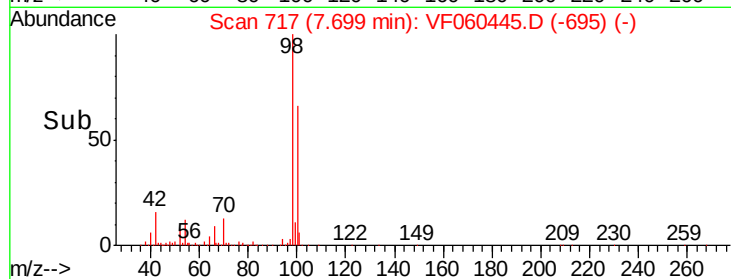
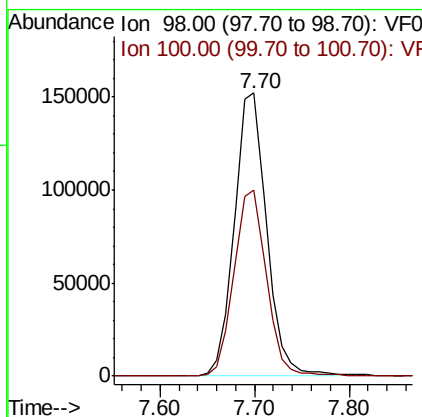
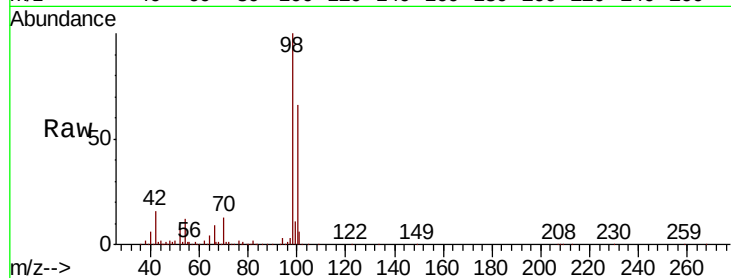




#50
Toluene-d8
Concen: 46.325 ug/l
RT: 7.70 min Scan# 717
Delta R.T. 0.02 min
Lab File: VF060445.D
Acq: 4 Oct 2018 19:33

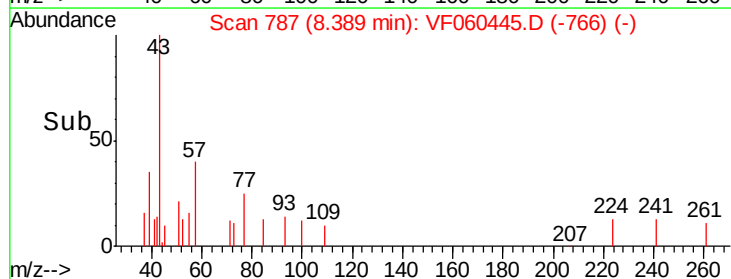
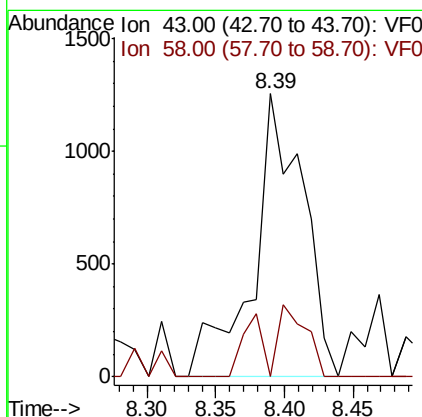
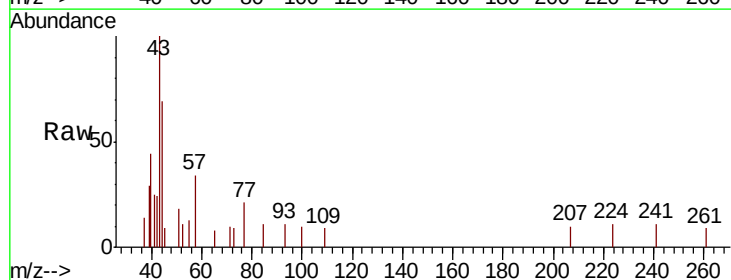
Instrument :
MSVOA_F
ClientSampleId :

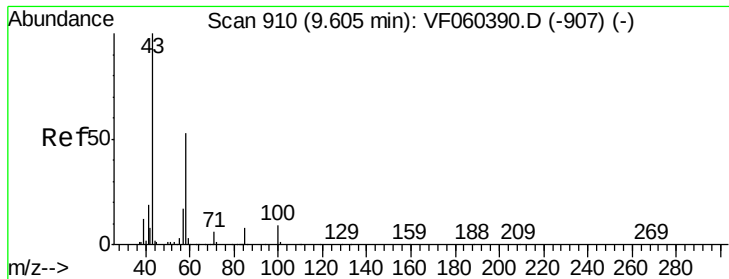
Tot Ion: 98 Resp: 359692
Ion Ratio Lower Upper
98 100
100 65.6 56.5 84.7



#51
4-Methyl-2-Pentanone
Concen: 2.320 ug/l
RT: 8.39 min Scan# 787
Delta R.T. 0.01 min
Lab File: VF060445.D
Acq: 4 Oct 2018 19:33

Tgt Ion: 43 Resp: 3162
Ion Ratio Lower Upper
43 100
58 0.0 28.5 42.7#

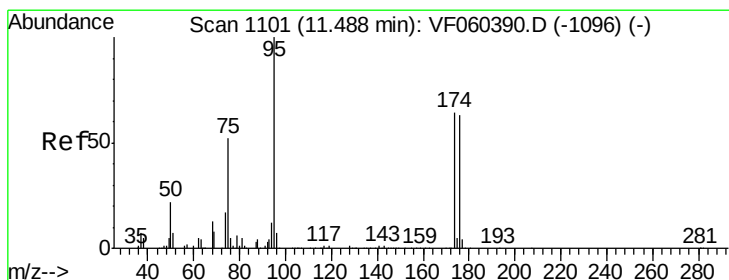
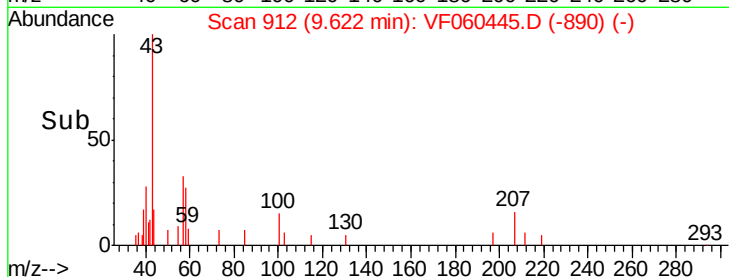
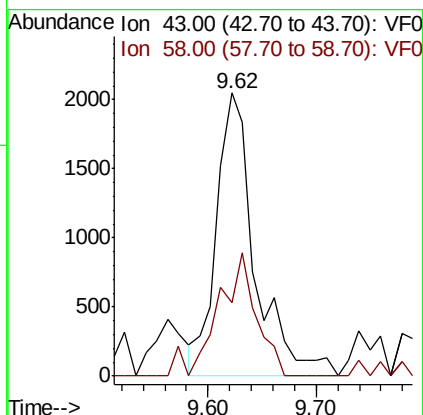
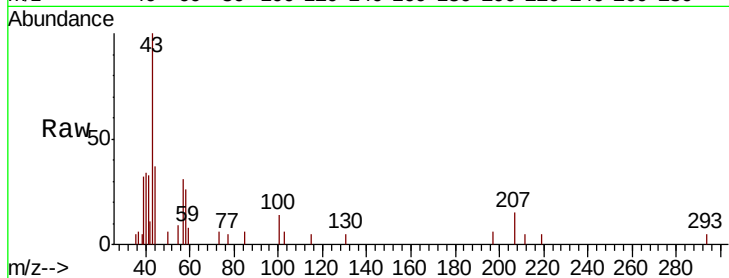




#59
2-Hexanone
Concen: 5.125 ug/l
RT: 9.62 min Scan# 912
Delta R.T. 0.02 min
Lab File: VF060445.D
Acq: 4 Oct 2018 19:33

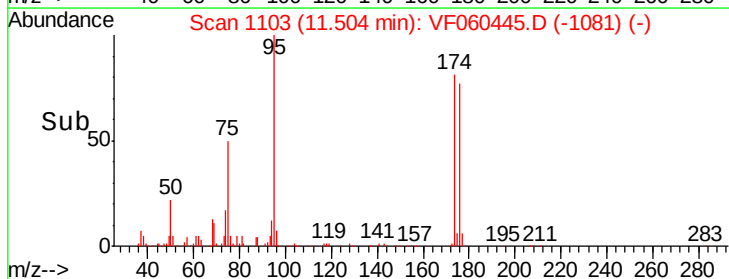
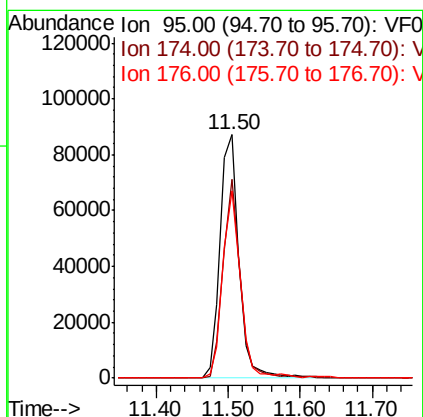
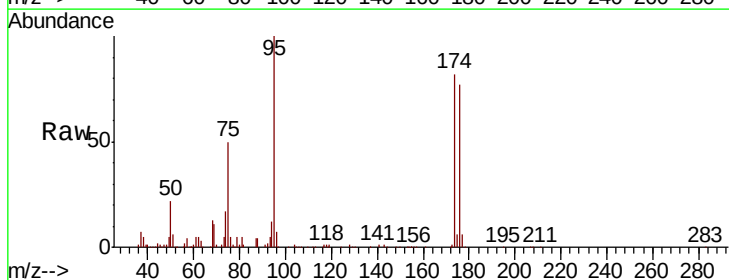
Instrument :
MSVOA_F
ClientSampled :

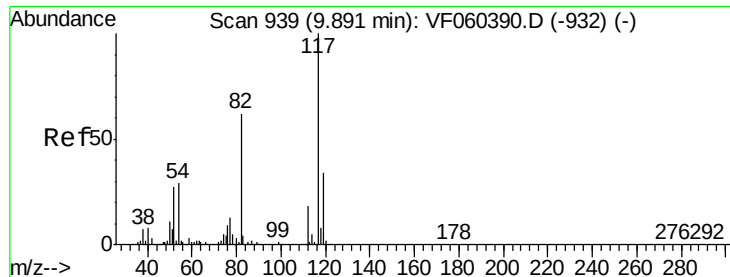
Tot Ion: 43 Resp: 5124
Ion Ratio Lower Upper
43 100
58 25.8 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 44.613 ug/l
RT: 11.50 min Scan# 1103
Delta R.T. 0.02 min
Lab File: VF060445.D
Acq: 4 Oct 2018 19:33

Tgt Ion: 95 Resp: 158163
Ion Ratio Lower Upper
95 100
174 81.6 0.0 129.0
176 77.1 0.0 125.6

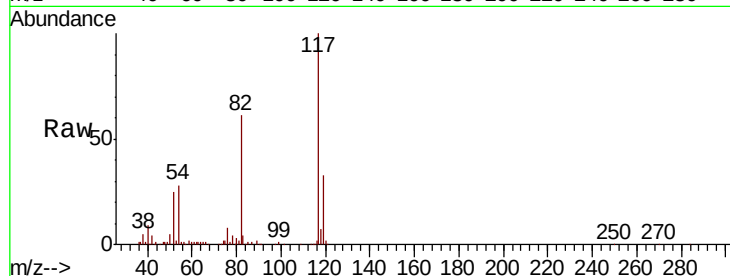




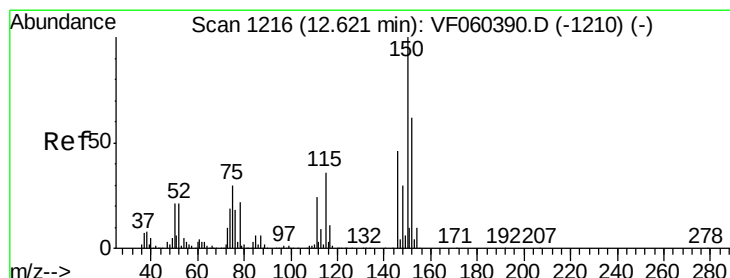
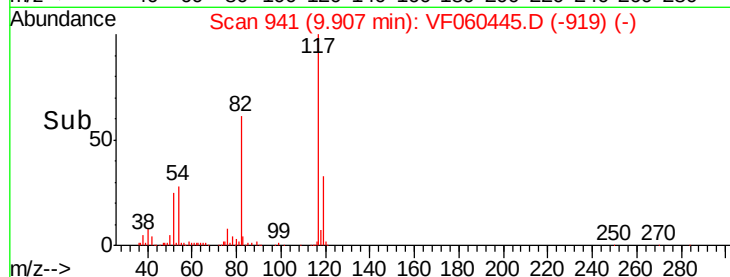
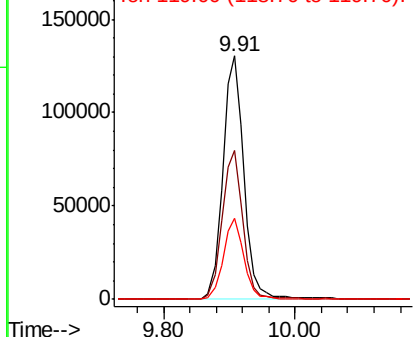
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.91 min Scan# 941
 Delta R.T. 0.02 min
 Lab File: VF060445.D
 Acq: 4 Oct 2018 19:33

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:117 Resp: 290548
 Ion Ratio Lower Upper
 117 100
 82 61.3 49.5 74.3
 119 33.1 27.0 40.6

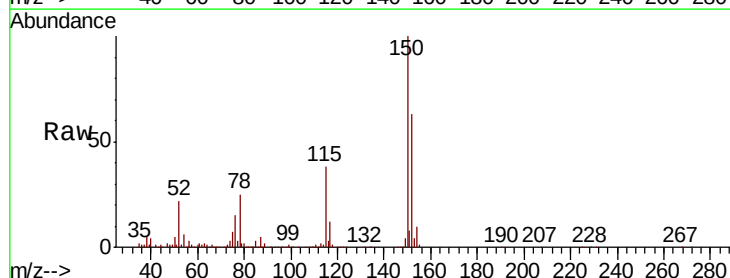


Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 82.00 (81.70 to 82.70): VF0
 Ion 119.00 (118.70 to 119.70): V



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.63 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VF060445.D
 Acq: 4 Oct 2018 19:33

Tgt Ion:152 Resp: 152294
 Ion Ratio Lower Upper
 152 100
 115 60.2 28.6 85.8
 150 157.6 0.0 324.6



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

