

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100418\
 Data File : VF060451.D
 Acq On : 4 Oct 2018 22:18
 Operator : VA/AP
 Sample : J5204-01
 Misc : 6.67/5mL/MSVOA F/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Oct 05 01:14:01 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

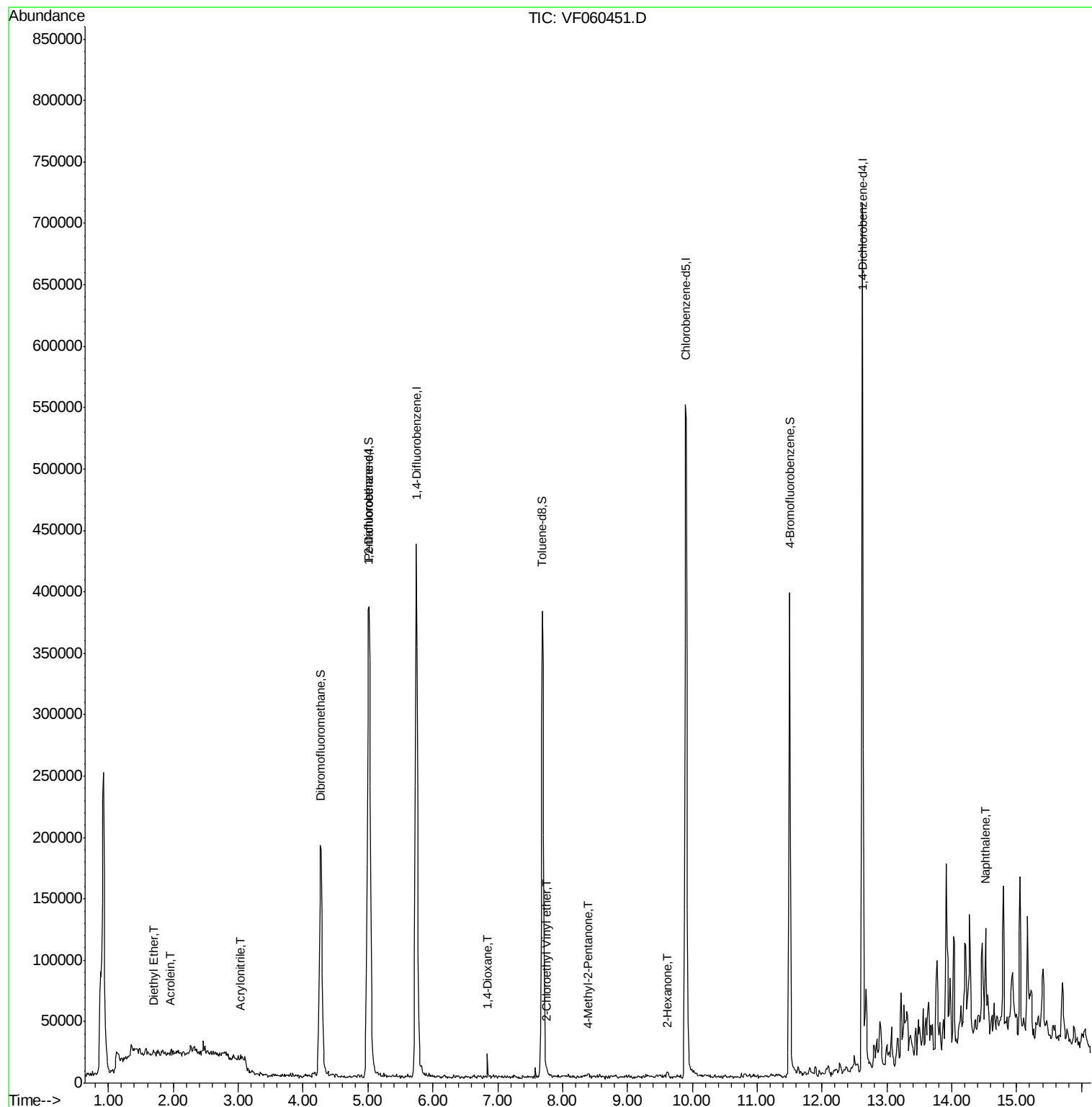
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	268366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	444976	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	390487	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	186897	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	162662	38.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.48%	
35) Dibromofluoromethane	4.27	113	167523	40.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.14%	
50) Toluene-d8	7.69	98	319892	31.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	62.14%	
62) 4-Bromofluorobenzene	11.50	95	146869	31.24	ug/l	0.02
Spiked Amount 50.000			Recovery	=	62.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	94	Below Cal	#	1
8) Diethyl Ether	1.69	74	1413	1.172	ug/l	85
13) Acrolein	1.95	56	740	3.623	ug/l	86
15) Acrylonitrile	3.05	53	1270	2.918	ug/l #	49
16) Acetone	2.33	43	3673	Below Cal		96
18) Methyl Acetate	2.27	43	1008	Below Cal		93
20) Methylene Chloride	2.31	84	5956	Below Cal	#	72
29) Tetrahydrofuran	4.22	42	351	Below Cal	#	34
49) 1,4-Dioxane	6.84	88	91	5.791	ug/l #	1
51) 4-Methyl-2-Pentanone	8.40	43	2778	1.537	ug/l	89
58) 2-Chloroethyl Vinyl ether	7.76	63	454	1.668	ug/l	100
59) 2-Hexanone	9.62	43	4146	3.128	ug/l	100
95) Naphthalene	14.52	128	8219	1.037	ug/l #	30

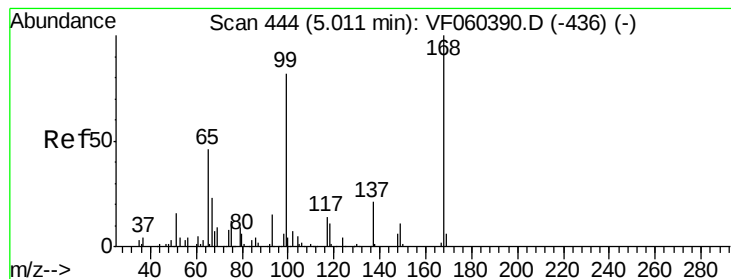
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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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: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060451.D

Acq: 4 Oct 2018 22:18

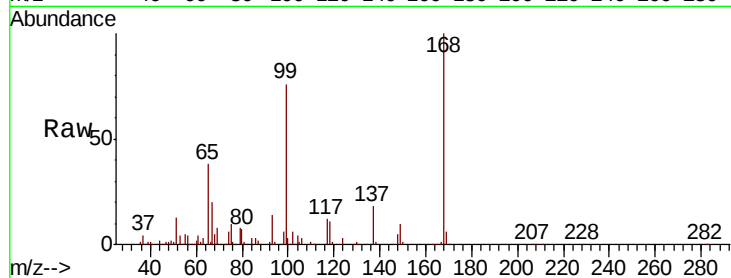
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 268366

Ion Ratio Lower Upper

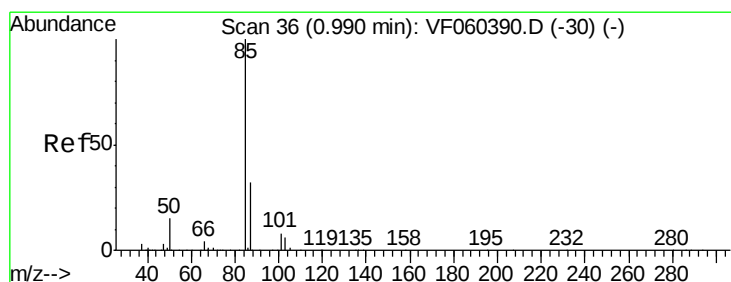
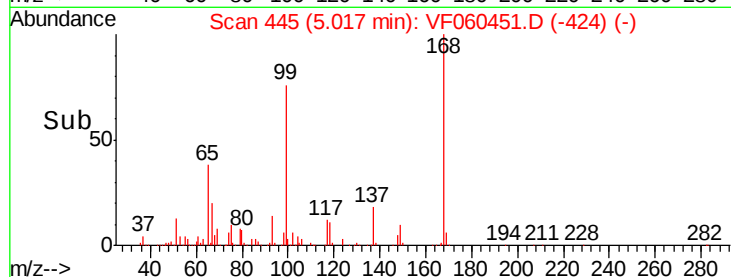
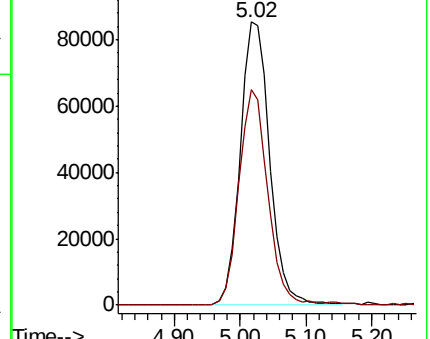
168 100

99 76.0 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.00 min Scan# 38

Delta R.T. 0.02 min

Lab File: VF060451.D

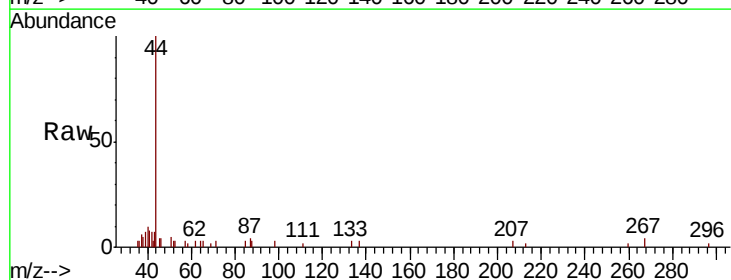
Acq: 4 Oct 2018 22:18

Tgt Ion: 85 Resp: 94

Ion Ratio Lower Upper

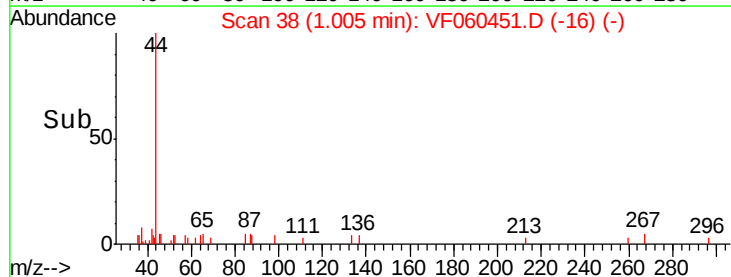
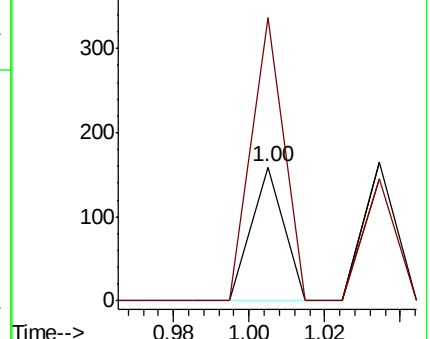
85 100

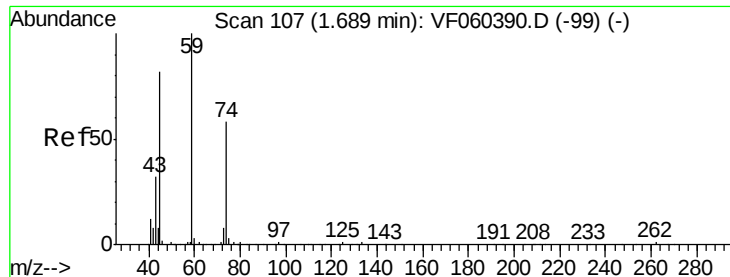
87 211.9 15.9 47.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#8

Diethyl Ether

Concen: 1.172 ug/l

RT: 1.69 min Scan# 108

Delta R.T. 0.01 min

Lab File: VF060451.D

Acq: 4 Oct 2018 22:18

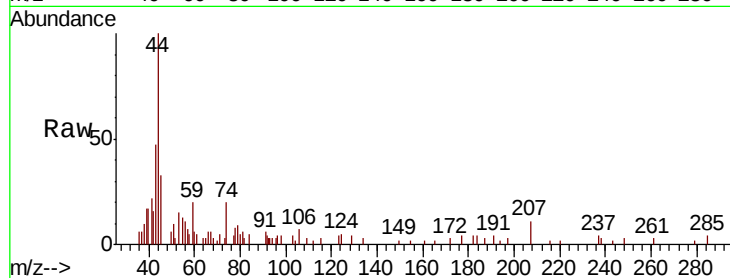
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 74 Resp: 1413

Ion Ratio Lower Upper

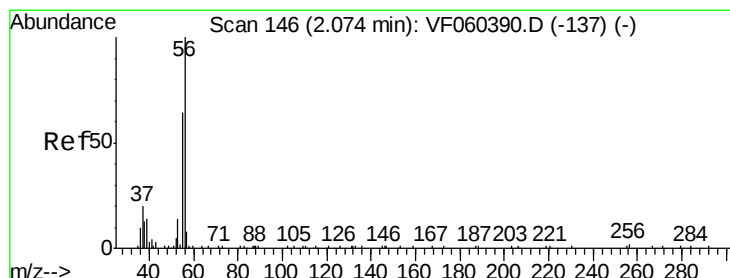
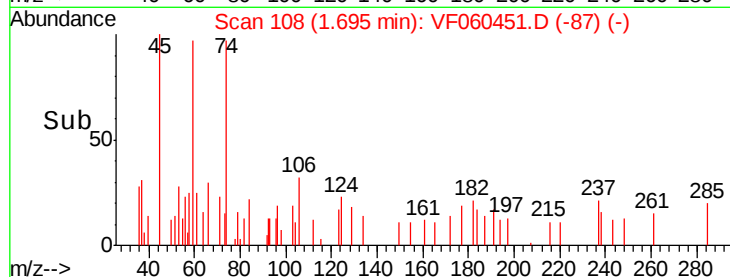
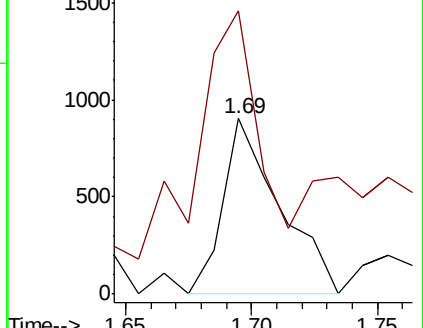
74 100

45 161.4 71.3 213.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#13

Acrolein

Concen: 3.623 ug/l

RT: 1.95 min Scan# 134

Delta R.T. -0.12 min

Lab File: VF060451.D

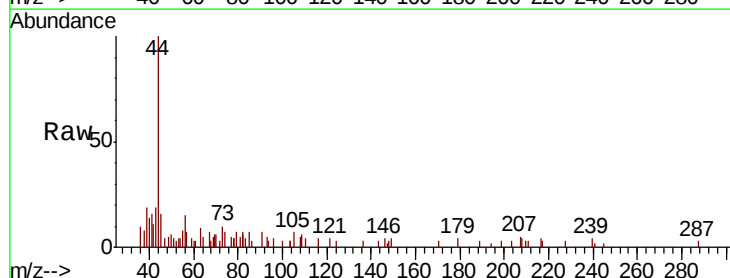
Acq: 4 Oct 2018 22:18

Tgt Ion: 56 Resp: 740

Ion Ratio Lower Upper

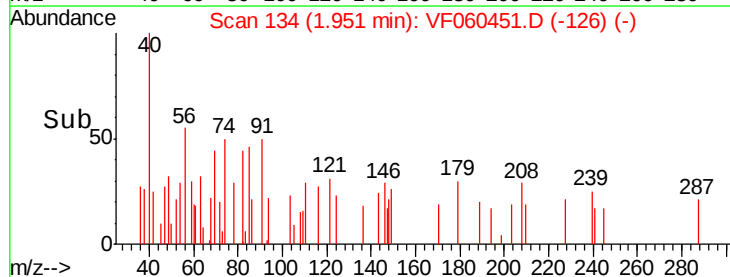
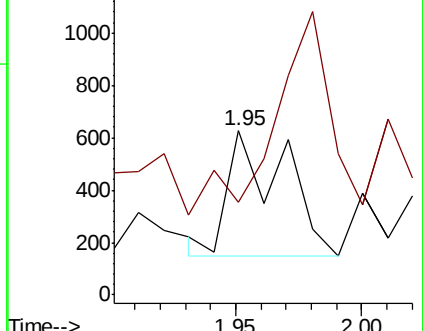
56 100

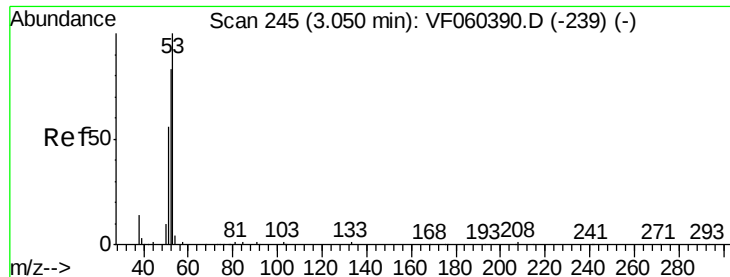
55 56.2 53.9 80.9



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#15

Acrylonitrile

Concen: 2.918 ug/l

RT: 3.05 min Scan# 245

Delta R.T. -0.00 min

Lab File: VF060451.D

Acq: 4 Oct 2018 22:18

Instrument :
MSVOA_F
ClientSampleId :

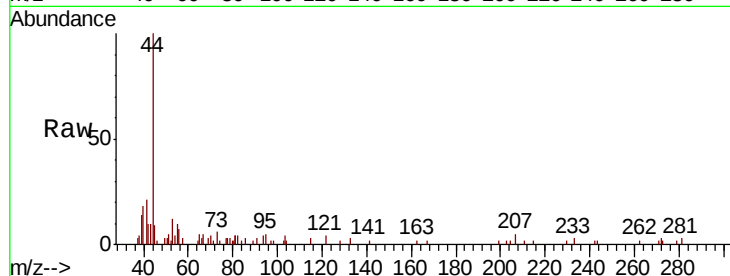
Tot Ion: 53 Resp: 1270

Ion Ratio Lower Upper

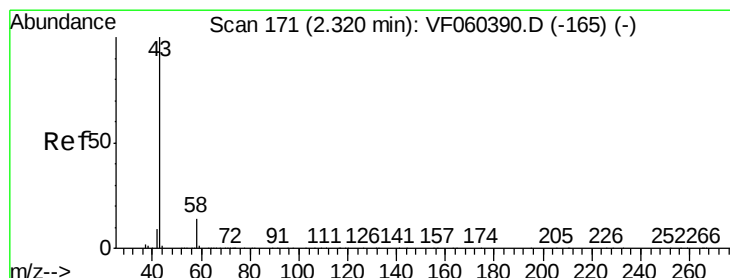
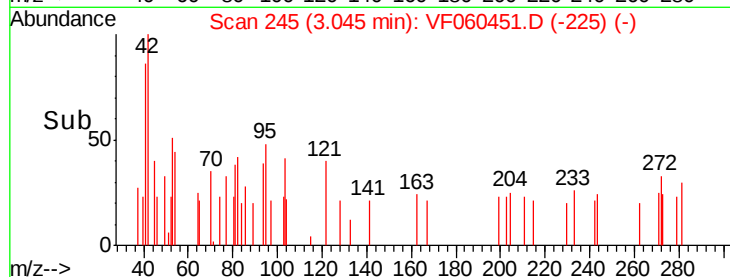
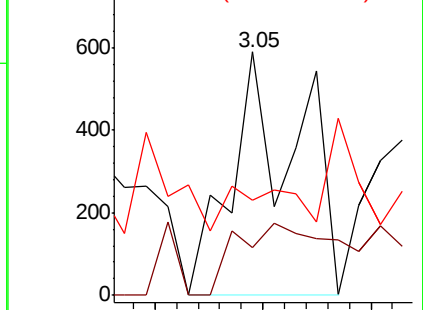
53 100

52 19.5 66.0 99.0#

51 39.2 45.6 68.4#



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



#16

Acetone

Concen: Below Cal

RT: 2.33 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF060451.D

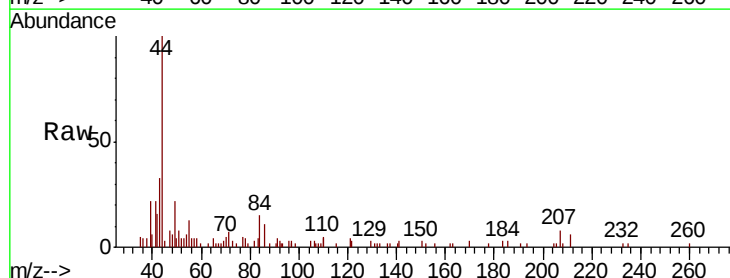
Acq: 4 Oct 2018 22:18

Tgt Ion: 43 Resp: 3673

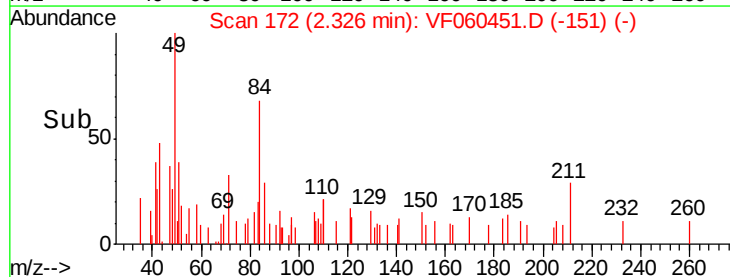
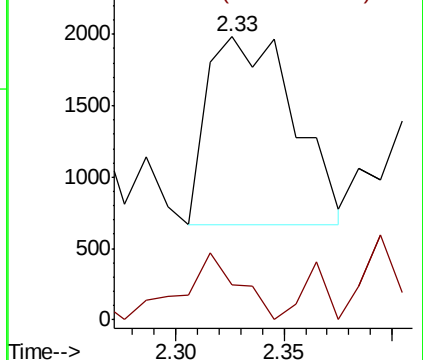
Ion Ratio Lower Upper

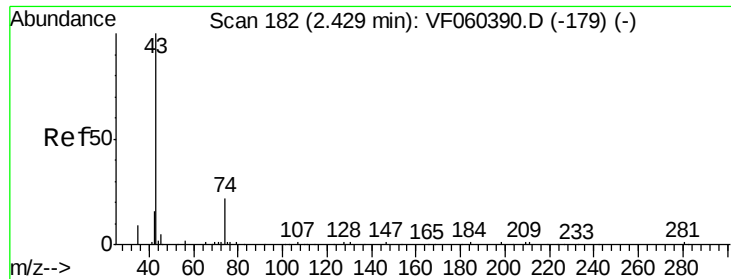
43 100

58 12.4 11.2 16.8



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

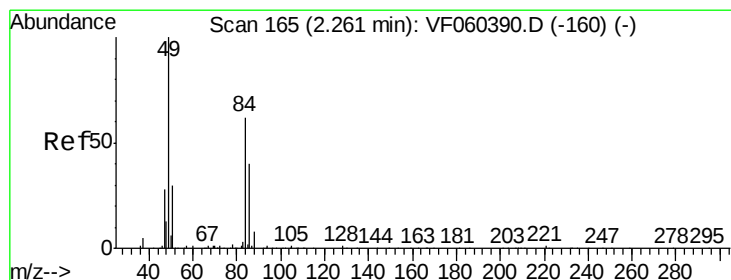
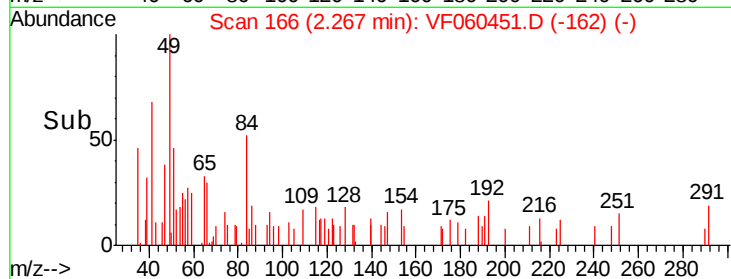
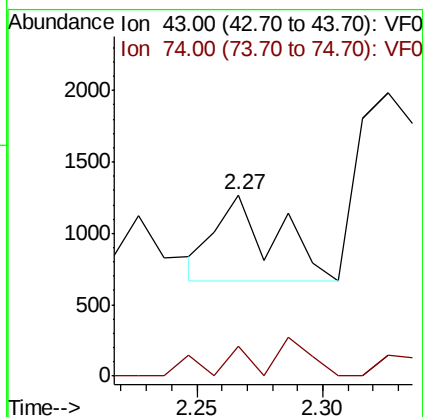
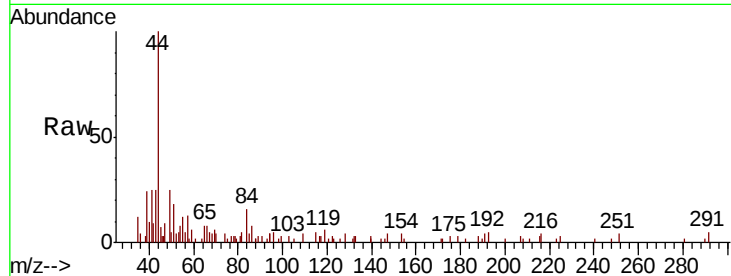




#18
Methyl Acetate
Concen: Below Cal
RT: 2.27 min Scan# 166
Delta R.T. -0.16 min
Lab File: VF060451.D
Acq: 4 Oct 2018 22:18

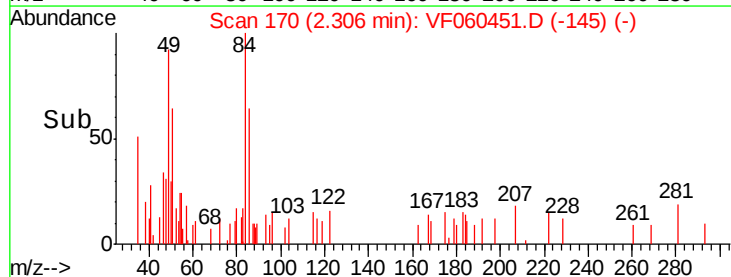
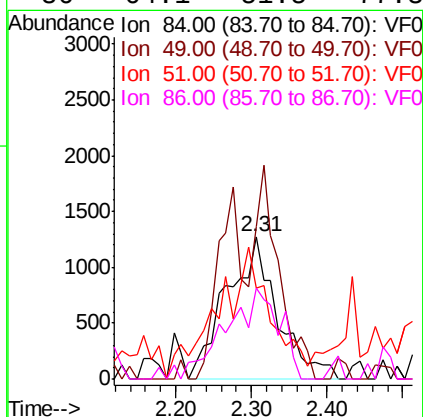
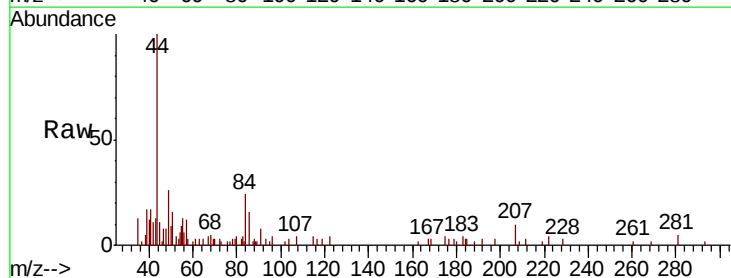
Instrument :
MSVOA_F
ClientSampled :

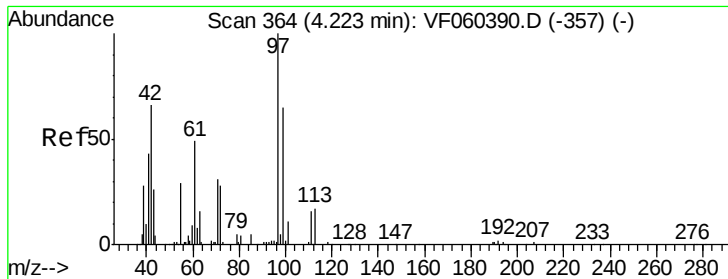
Tot Ion: 43 Resp: 1008
Ion Ratio Lower Upper
43 100
74 16.8 15.8 23.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.31 min Scan# 170
Delta R.T. 0.04 min
Lab File: VF060451.D
Acq: 4 Oct 2018 22:18

Tgt Ion: 84 Resp: 5956
Ion Ratio Lower Upper
84 100
49 107.0 130.2 195.2#
51 64.0 41.0 61.6#
86 64.1 51.5 77.3





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.22 min Scan# 364

Delta R.T. -0.00 min

Lab File: VF060451.D

Acq: 4 Oct 2018 22:18

Instrument :

MSVOA_F

ClientSampleId :

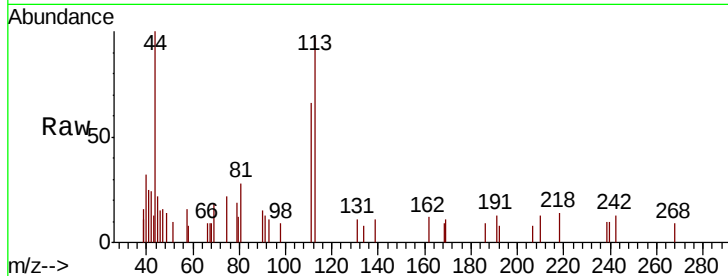
Tot Ion: 42 Resp: 351

Ion Ratio Lower Upper

42 100

72 0.0 33.6 50.4#

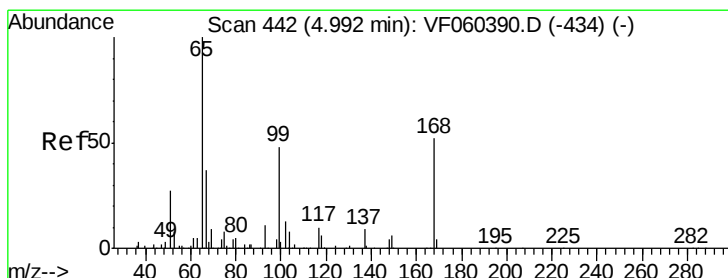
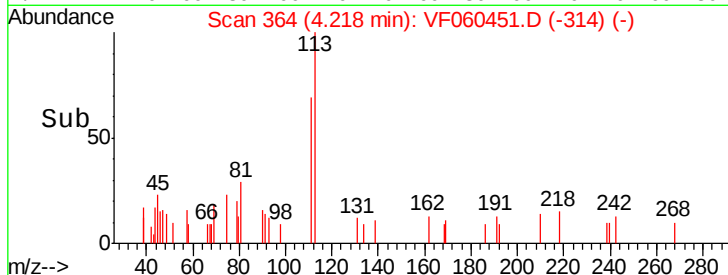
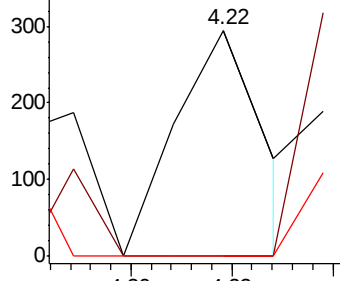
71 0.0 32.7 49.1#



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: 38.735 ug/l

RT: 5.00 min Scan# 443

Delta R.T. 0.01 min

Lab File: VF060451.D

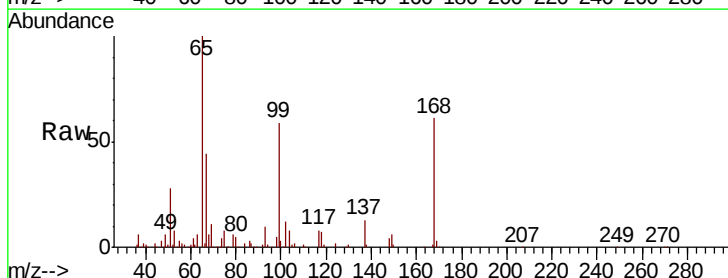
Acq: 4 Oct 2018 22:18

Tgt Ion: 65 Resp: 162662

Ion Ratio Lower Upper

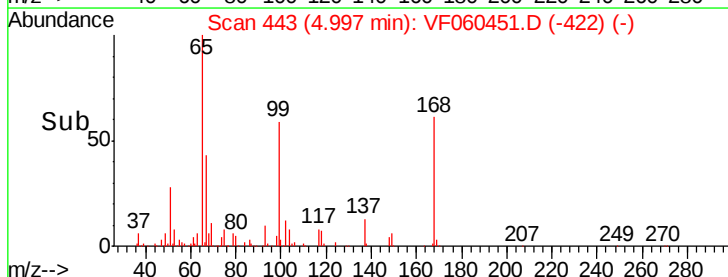
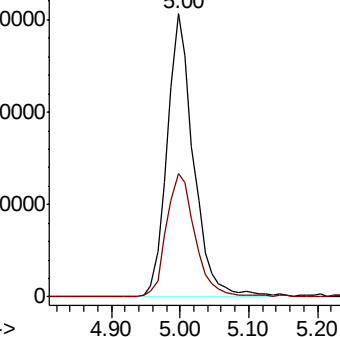
65 100

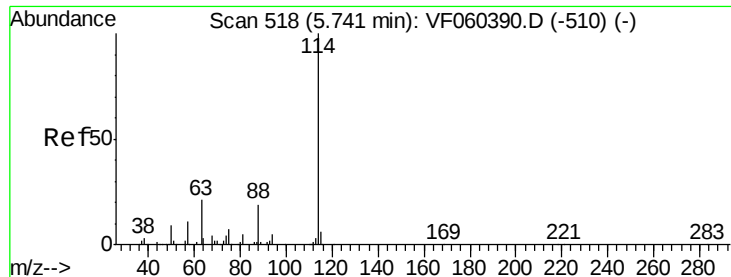
67 43.7 0.0 89.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. 0.01 min

Lab File: VF060451.D

Acq: 4 Oct 2018 22:18

Instrument :

MSVOA_F

ClientSampleId :

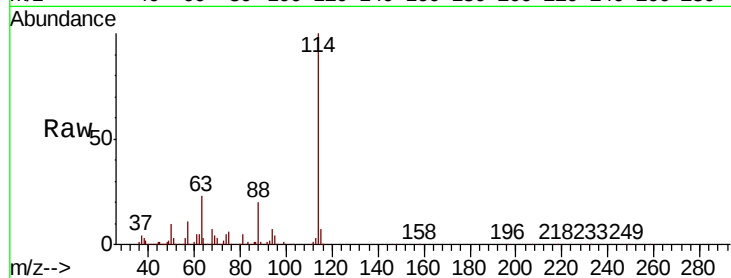
Tot Ion:114 Resp: 444976

Ion Ratio Lower Upper

114 100

63 22.9 0.0 42.2

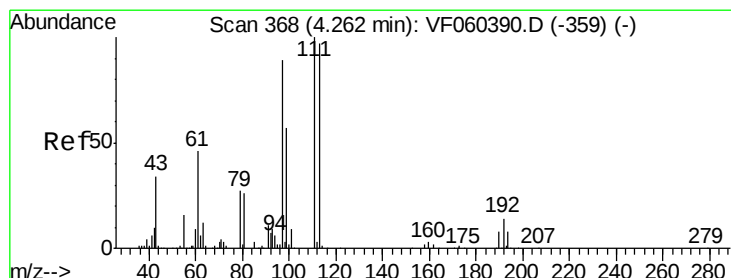
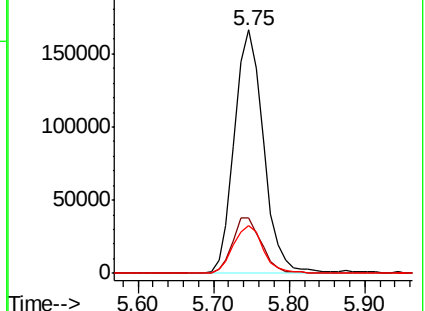
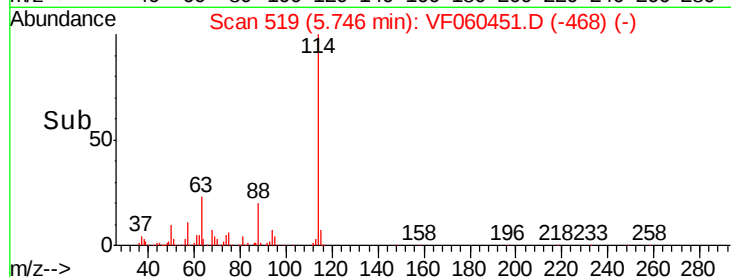
88 19.6 0.0 38.8



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: 40.075 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.01 min

Lab File: VF060451.D

Acq: 4 Oct 2018 22:18

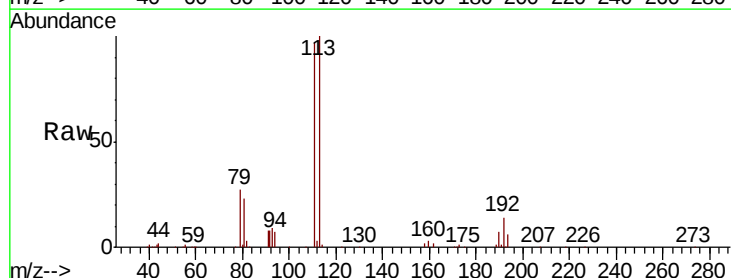
Tgt Ion:113 Resp: 167523

Ion Ratio Lower Upper

113 100

111 97.4 82.3 123.5

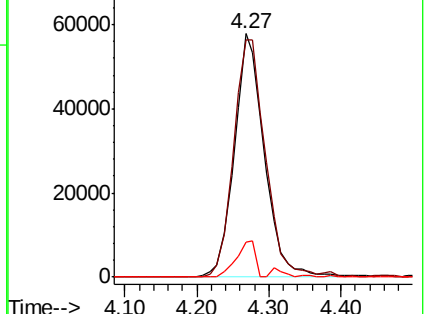
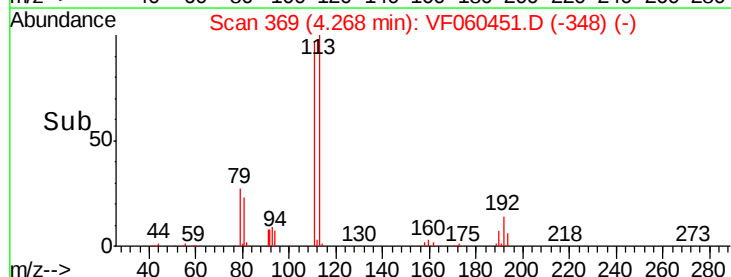
192 14.3 11.8 17.6

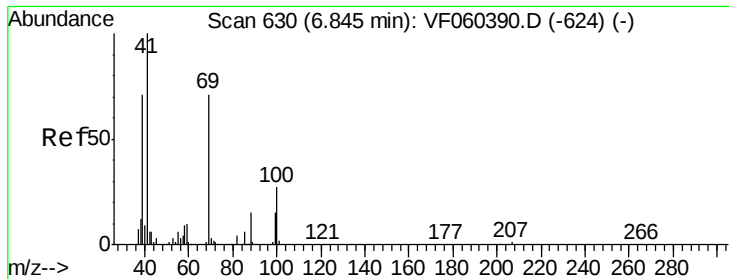


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 5.791 ug/l

RT: 6.84 min Scan# 630

Delta R.T. -0.00 min

Lab File: VF060451.D

Acq: 4 Oct 2018 22:18

Instrument :
MSVOA_F
ClientSampleId :

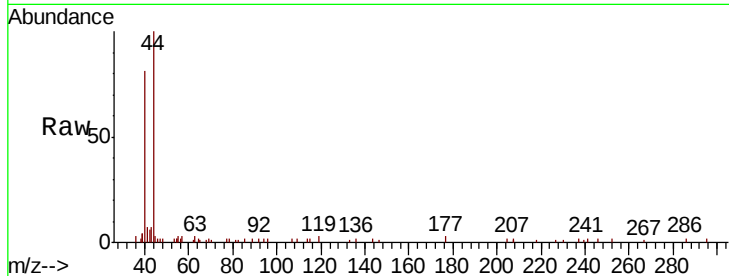
Tot Ion: 88 Resp: 91

Ion Ratio Lower Upper

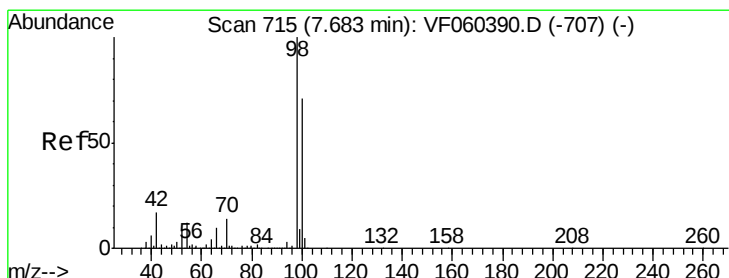
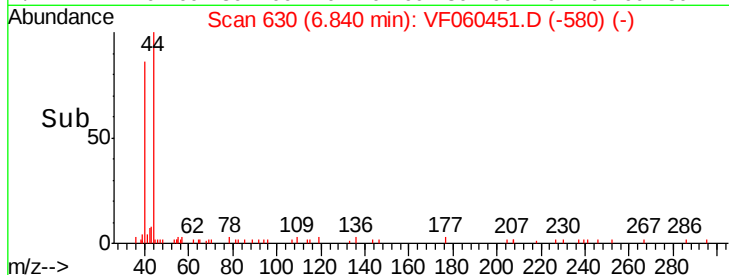
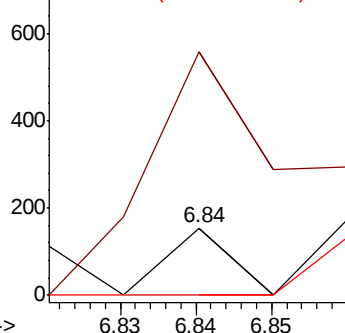
88 100

43 362.3 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: 31.072 ug/l

RT: 7.69 min Scan# 716

Delta R.T. 0.01 min

Lab File: VF060451.D

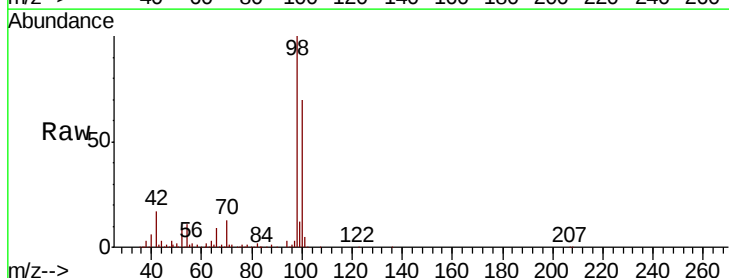
Acq: 4 Oct 2018 22:18

Tgt Ion: 98 Resp: 319892

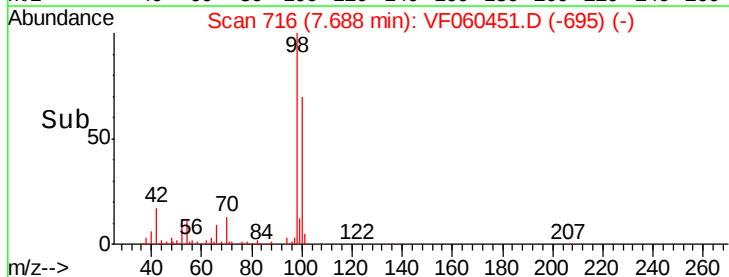
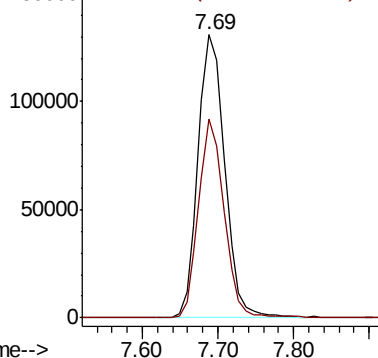
Ion Ratio Lower Upper

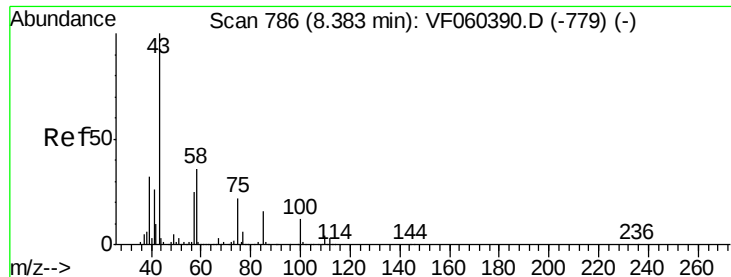
98 100

100 70.2 56.5 84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 1.537 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.02 min

Lab File: VF060451.D

Acq: 4 Oct 2018 22:18

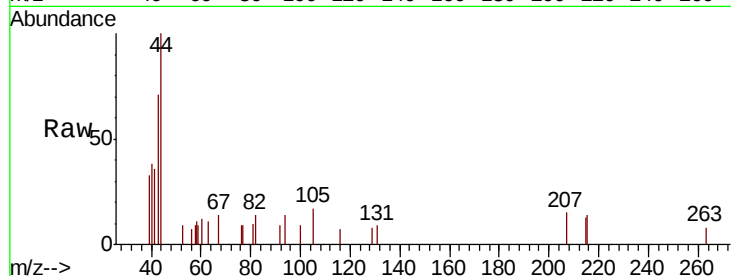
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 2778

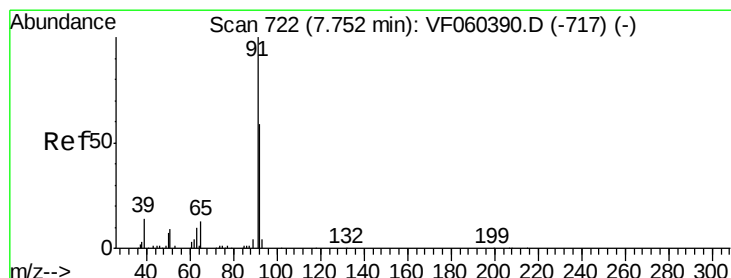
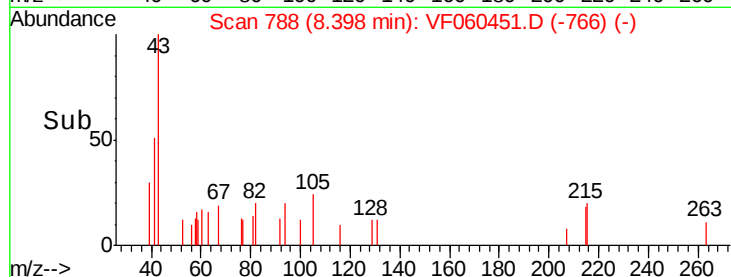
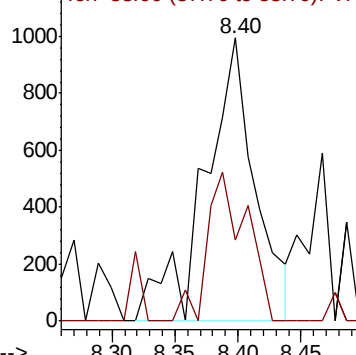
Ion Ratio Lower Upper

43 100

58 28.9 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 1.668 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.01 min

Lab File: VF060451.D

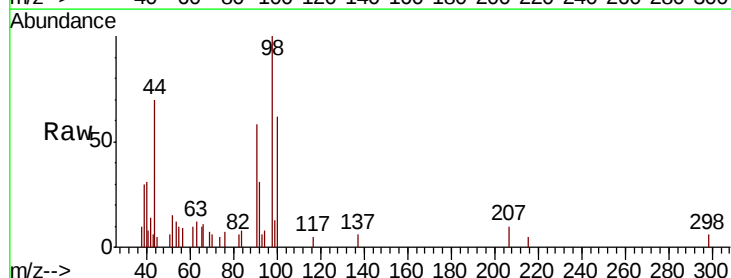
Acq: 4 Oct 2018 22:18

Tgt Ion: 63 Resp: 454

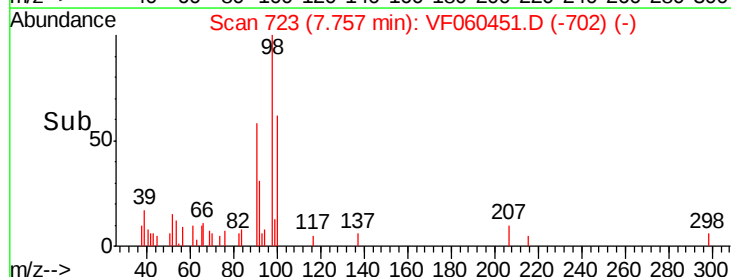
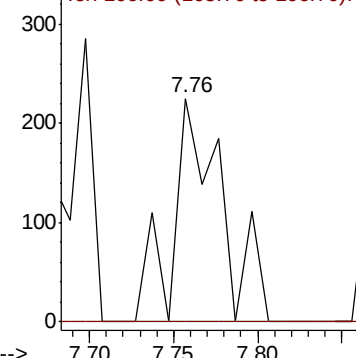
Ion Ratio Lower Upper

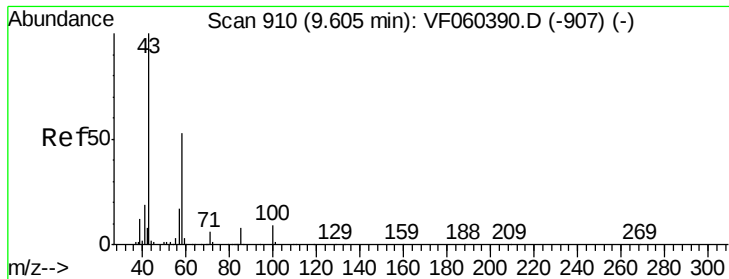
63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0
Ion 106.00 (105.70 to 106.70): V

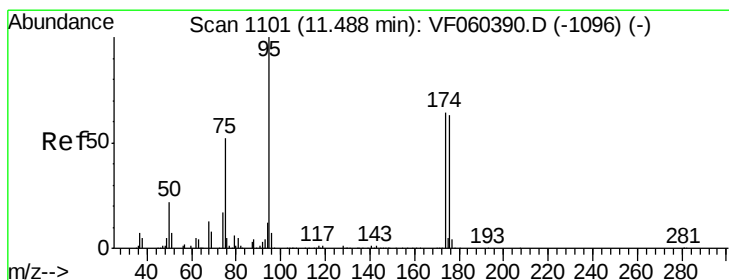
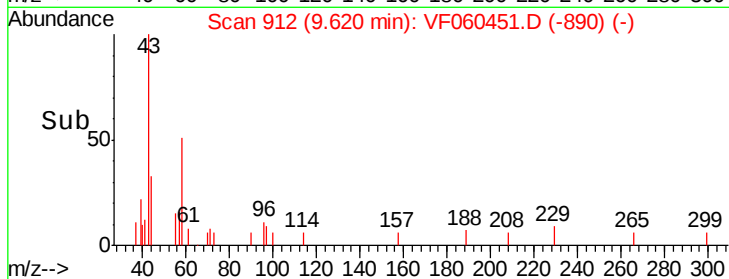
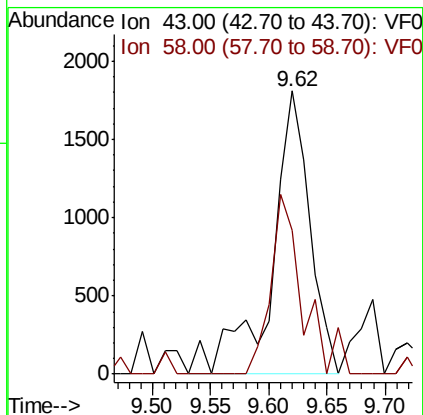
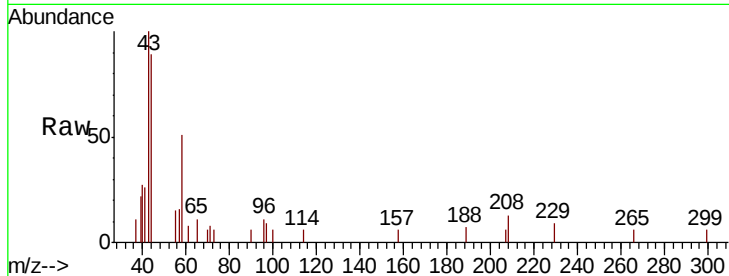




#59
2-Hexanone
Concen: 3.128 ug/l
RT: 9.62 min Scan# 912
Delta R.T. 0.02 min
Lab File: VF060451.D
Acq: 4 Oct 2018 22:18

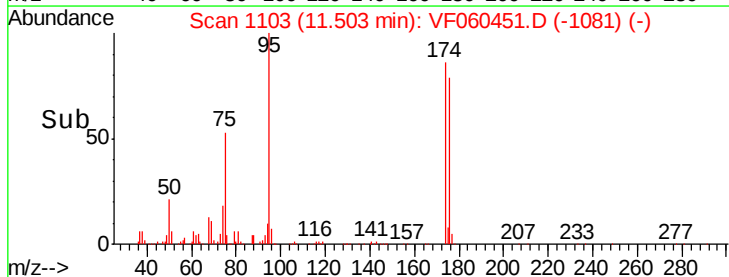
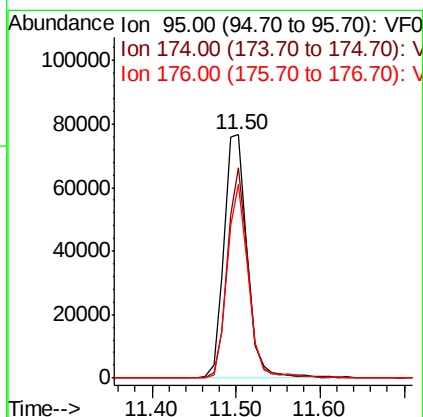
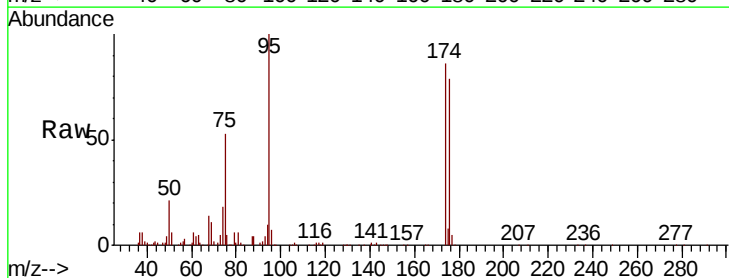
Instrument :
MSVOA_F
ClientSampleId :

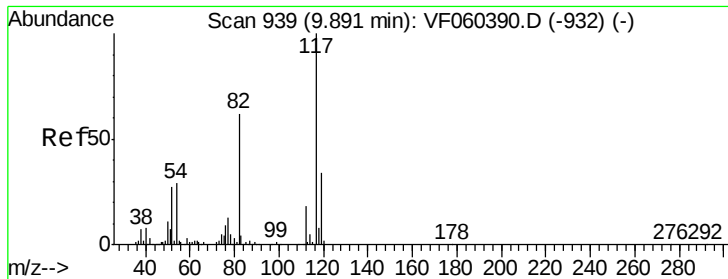
Tot Ion: 43 Resp: 4146
Ion Ratio Lower Upper
43 100
58 50.9 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 31.244 ug/l
RT: 11.50 min Scan# 1103
Delta R.T. 0.02 min
Lab File: VF060451.D
Acq: 4 Oct 2018 22:18

Tgt Ion: 95 Resp: 146869
Ion Ratio Lower Upper
95 100
174 86.2 0.0 129.0
176 79.4 0.0 125.6

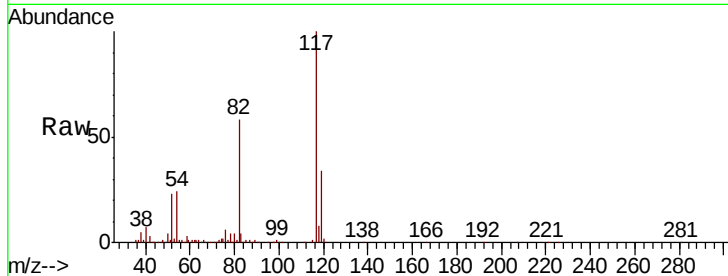




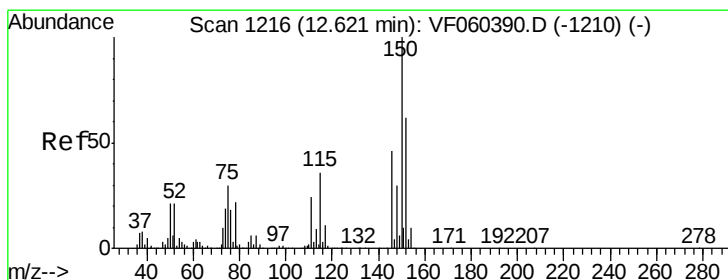
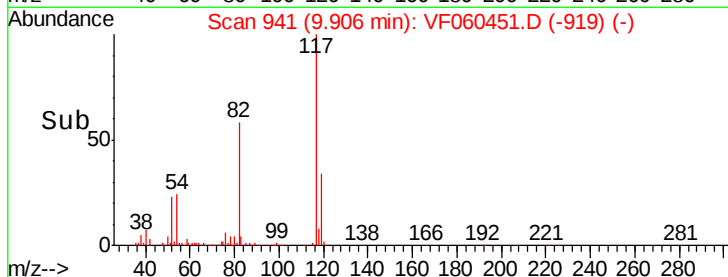
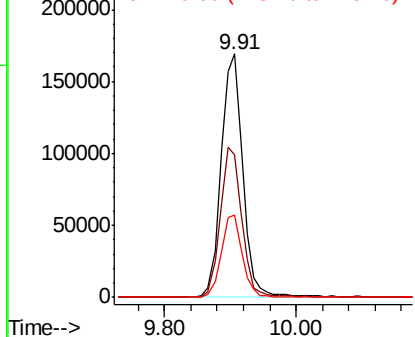
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.02 min
Lab File: VF060451.D
Acq: 4 Oct 2018 22:18

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 390487
Ion Ratio Lower Upper
117 100
82 58.4 49.5 74.3
119 34.0 27.0 40.6

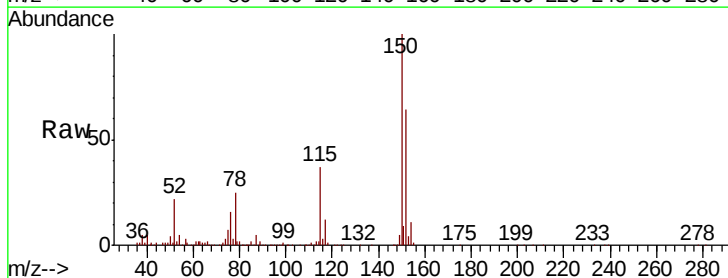


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

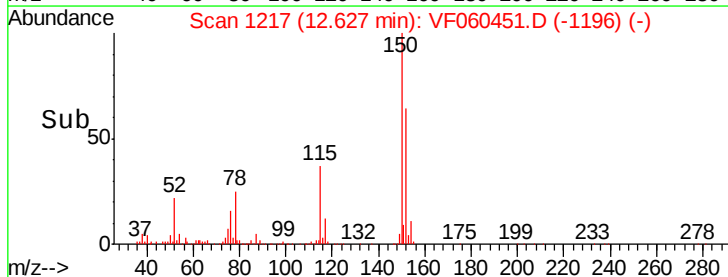
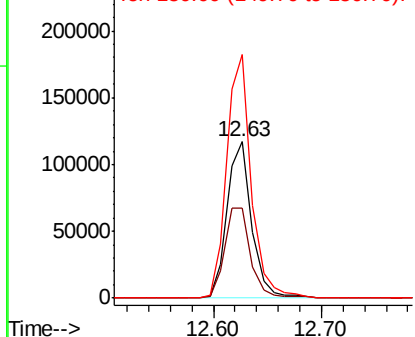


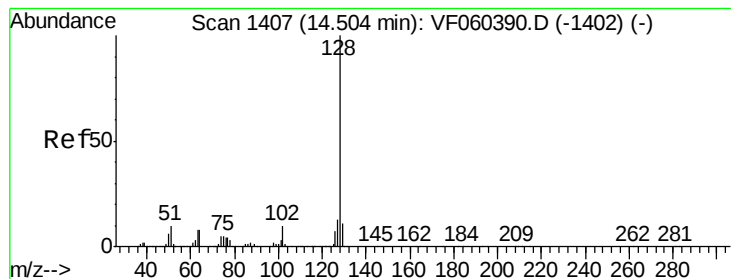
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.01 min
Lab File: VF060451.D
Acq: 4 Oct 2018 22:18

Tgt Ion:152 Resp: 186897
Ion Ratio Lower Upper
152 100
115 58.0 28.6 85.8
150 156.0 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





#95

Naphthalene

Concen: 1.037 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.02 min

Lab File: VF060451.D

Acq: 4 Oct 2018 22:18

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:128 Resp: 8219

Ion Ratio Lower Upper

128 100

127 22.0 10.0 15.0#

129 57.2 8.7 13.1#

