

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100418\
 Data File : VF060452.D
 Acq On : 4 Oct 2018 22:45
 Operator : VA/AP
 Sample : J5204-03
 Misc : 6.13/5mL/MSVOA F/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Oct 05 01:14:15 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

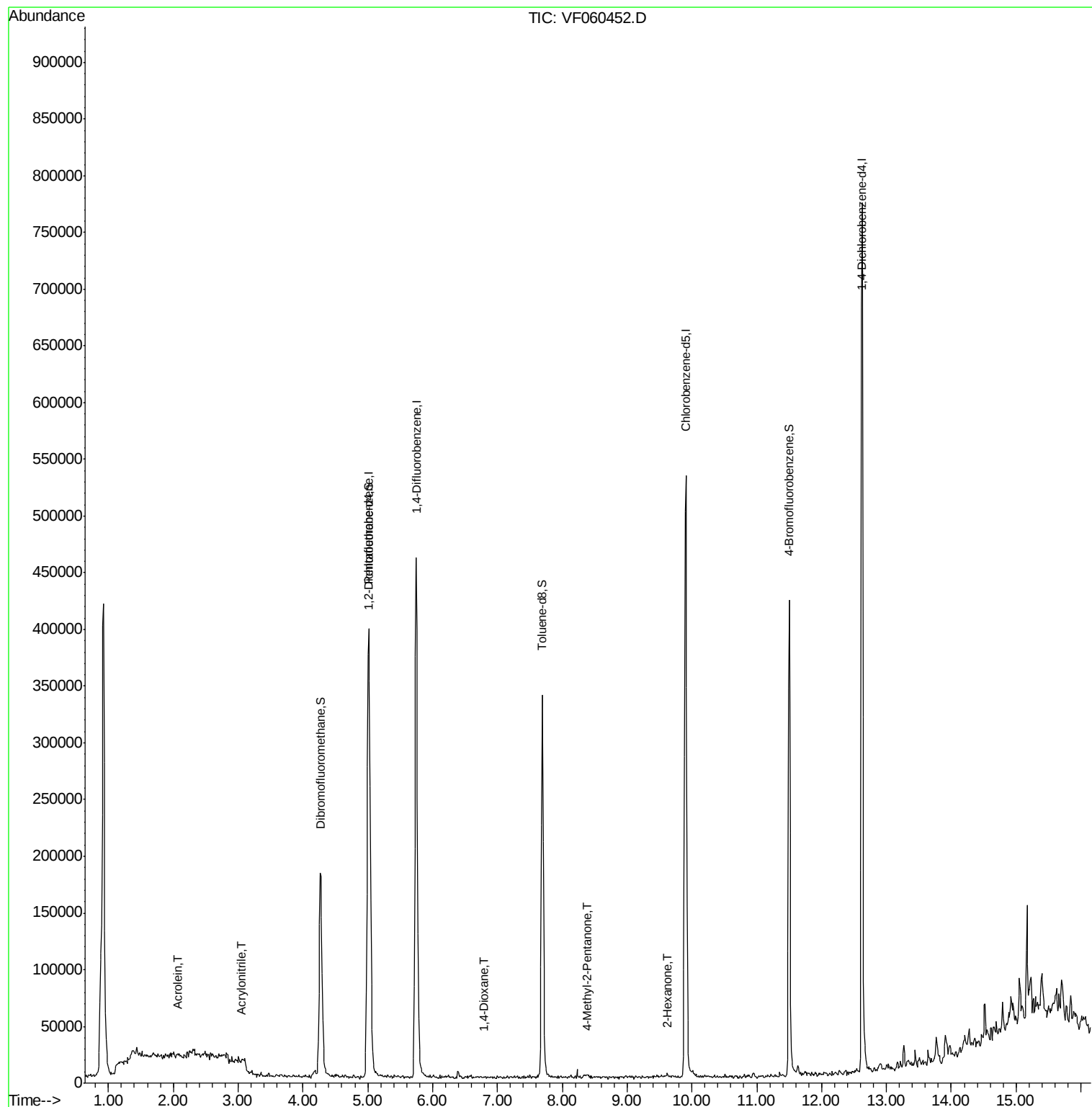
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	272291	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.75	114	471087	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	373992	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	190590	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	161477	37.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.80%	
35) Dibromofluoromethane	4.28	113	159744	36.10	ug/l	0.01
Spiked Amount 50.000			Recovery	=	72.20%	
50) Toluene-d8	7.69	98	286351	26.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	52.54%	
62) 4-Bromofluorobenzene	11.50	95	150701	30.28	ug/l	0.01
Spiked Amount 50.000			Recovery	=	60.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.98	85	133	Below Cal	#	43
13) Acrolein	2.06	56	1104	5.327	ug/l #	14
15) Acrylonitrile	3.05	53	495	1.121	ug/l #	44
16) Acetone	2.34	43	5601	Below Cal	#	79
18) Methyl Acetate	2.28	43	876	Below Cal		92
20) Methylene Chloride	2.27	84	1820	Below Cal	#	78
29) Tetrahydrofuran	4.21	42	464	Below Cal	#	46
49) 1,4-Dioxane	6.78	88	181	10.880	ug/l #	25
51) 4-Methyl-2-Pentanone	8.39	43	2410	1.260	ug/l #	64
59) 2-Hexanone	9.62	43	3685	2.626	ug/l	100

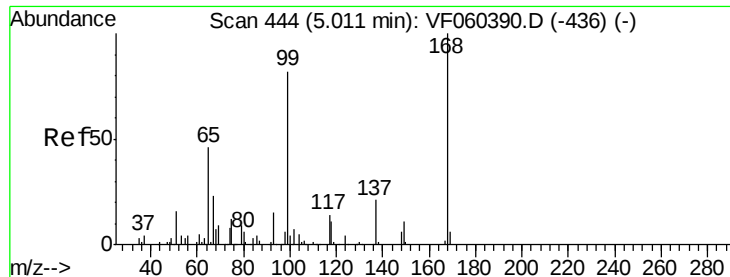
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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. 0.01 min

Lab File: VF060452.D

Acq: 4 Oct 2018 22:45

Instrument :

MSVOA_F

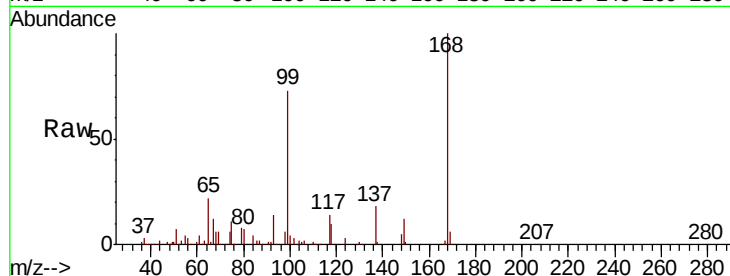
ClientSampleId :

Tot Ion:168 Resp: 272291

Ion Ratio Lower Upper

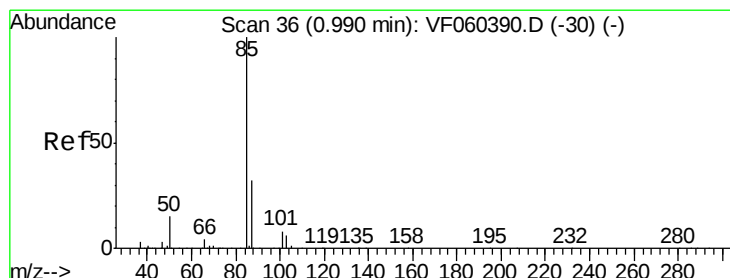
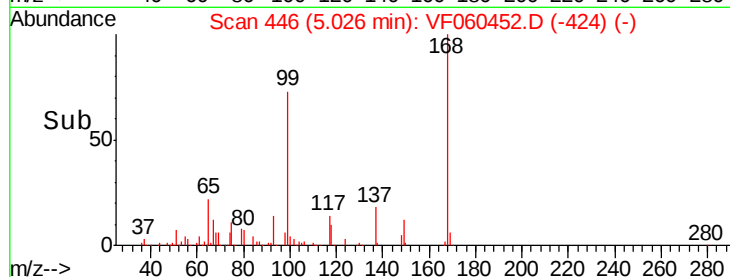
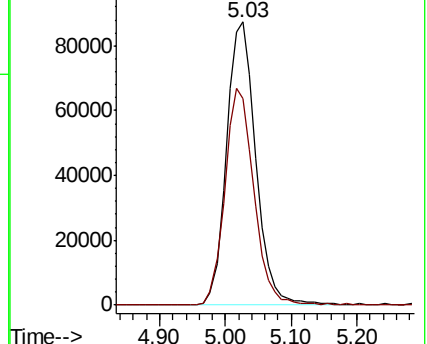
168 100

99 73.1 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: 0.98 min Scan# 36

Delta R.T. -0.00 min

Lab File: VF060452.D

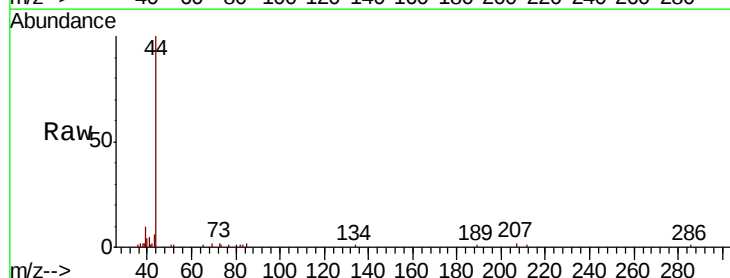
Acq: 4 Oct 2018 22:45

Tgt Ion: 85 Resp: 133

Ion Ratio Lower Upper

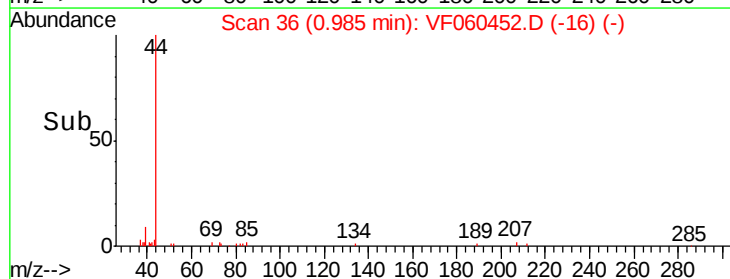
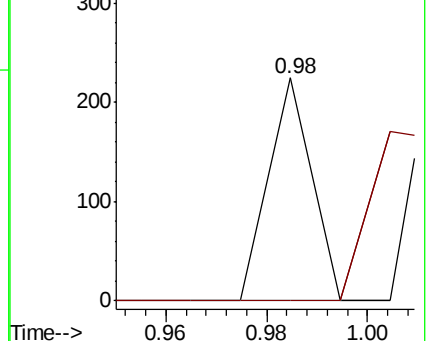
85 100

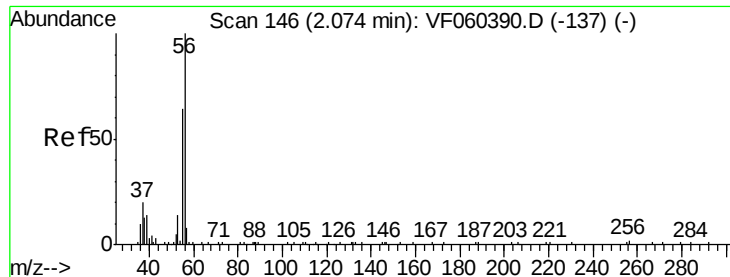
87 0.0 15.9 47.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

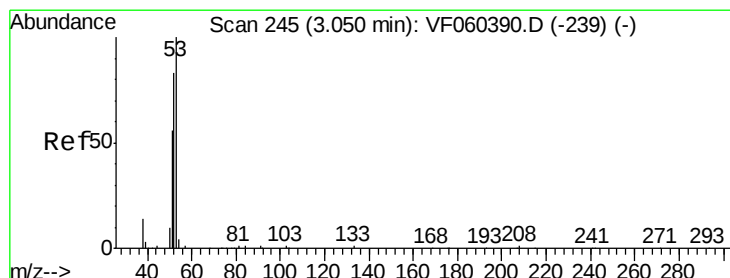
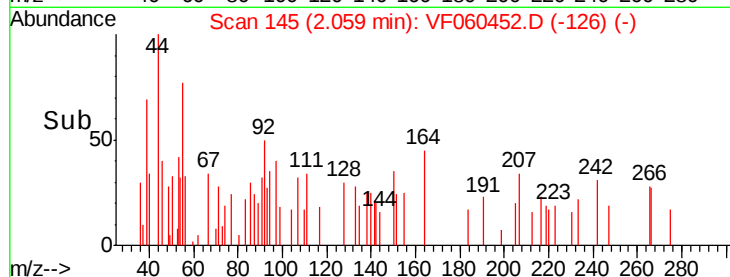
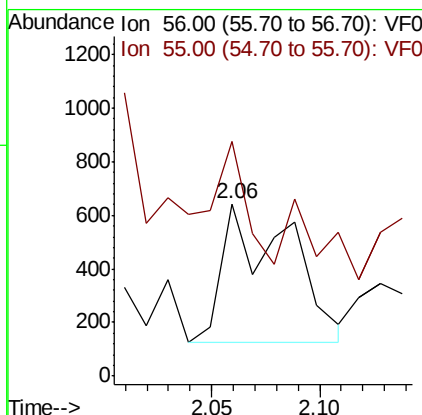
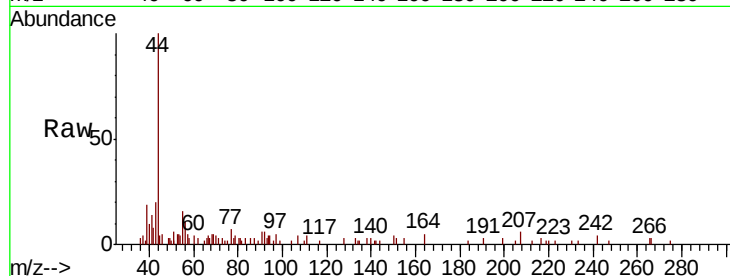




#13
Acrolein
Concen: 5.327 ug/l
RT: 2.06 min Scan# 145
Delta R.T. -0.01 min
Lab File: VF060452.D
Acq: 4 Oct 2018 22:45

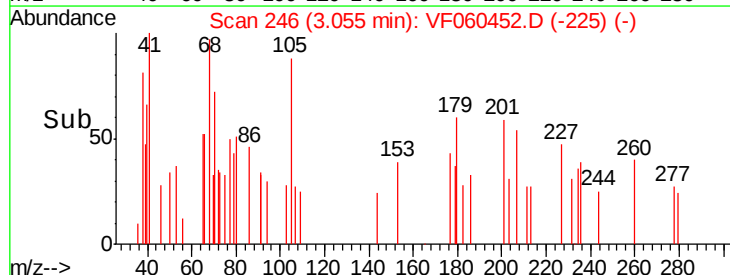
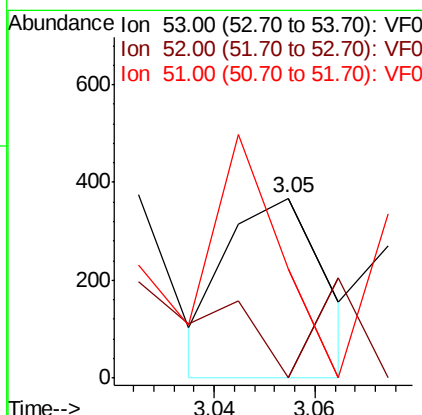
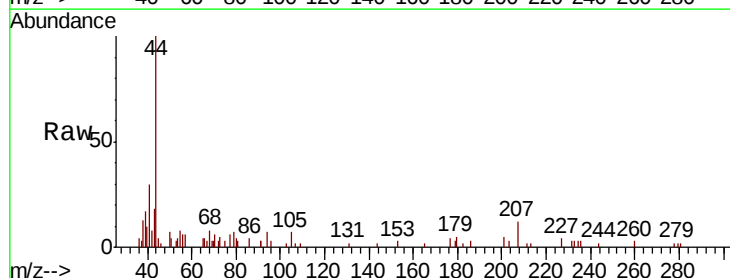
Instrument :
MSVOA_F
ClientSampleId :

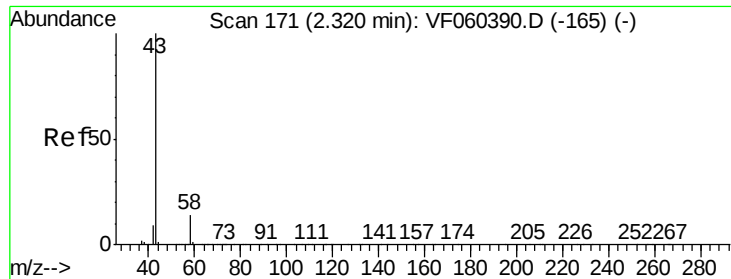
Tot Ion: 56 Resp: 1104
Ion Ratio Lower Upper
56 100
55 136.3 53.9 80.9#



#15
Acrylonitrile
Concen: 1.121 ug/l
RT: 3.05 min Scan# 246
Delta R.T. 0.00 min
Lab File: VF060452.D
Acq: 4 Oct 2018 22:45

Tgt Ion: 53 Resp: 495
Ion Ratio Lower Upper
53 100
52 0.0 66.0 99.0#
51 60.3 45.6 68.4

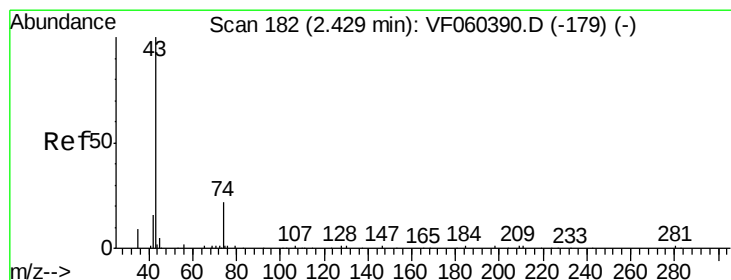
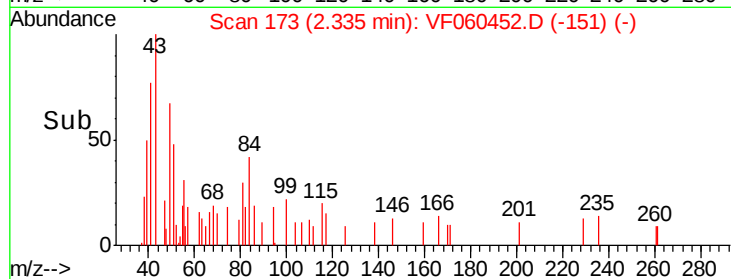
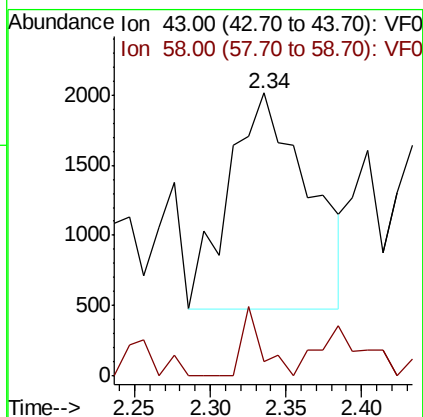
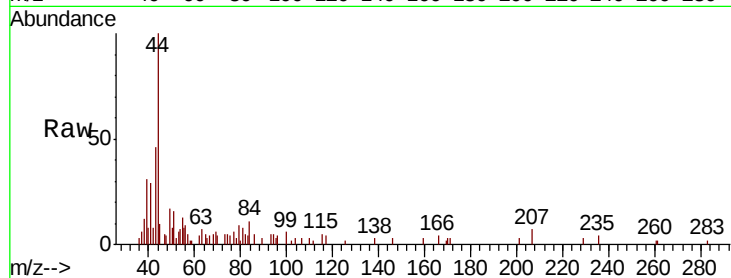




#16
Acetone
Concen: Below Cal
RT: 2.34 min Scan# 173
Delta R.T. 0.02 min
Lab File: VF060452.D
Acq: 4 Oct 2018 22:45

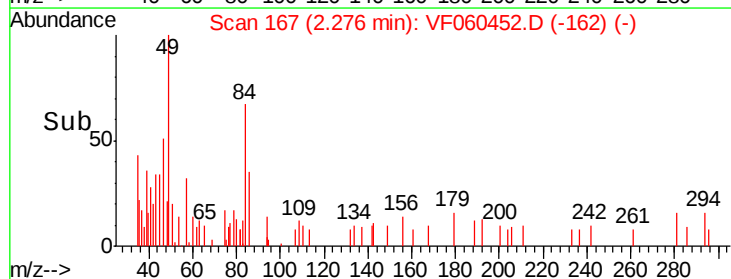
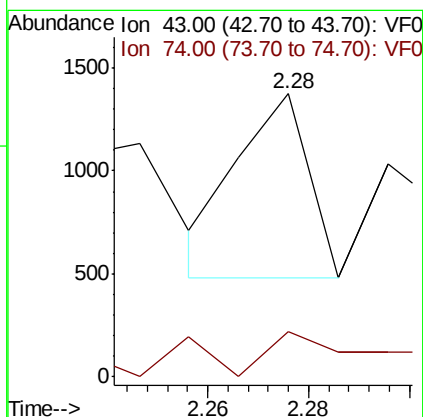
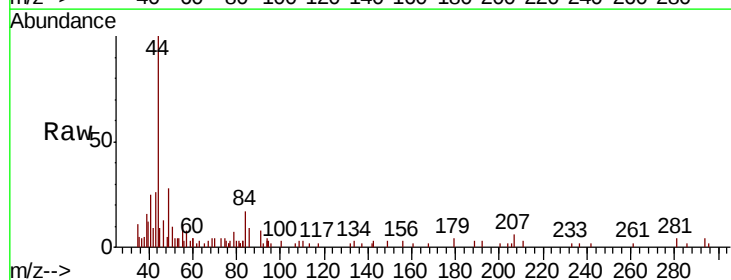
Instrument :
MSVOA_F
ClientSampleId :

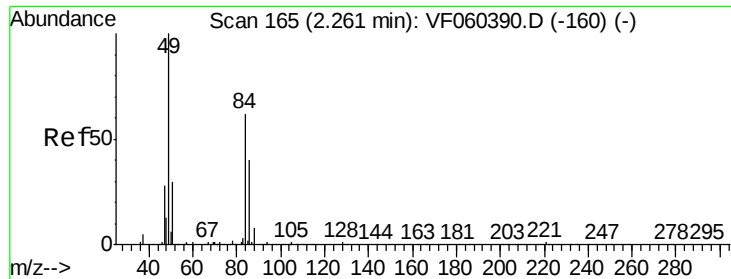
Tot Ion: 43 Resp: 5601
Ion Ratio Lower Upper
43 100
58 5.3 11.2 16.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.28 min Scan# 167
Delta R.T. -0.15 min
Lab File: VF060452.D
Acq: 4 Oct 2018 22:45

Tgt Ion: 43 Resp: 876
Ion Ratio Lower Upper
43 100
74 16.2 15.8 23.8

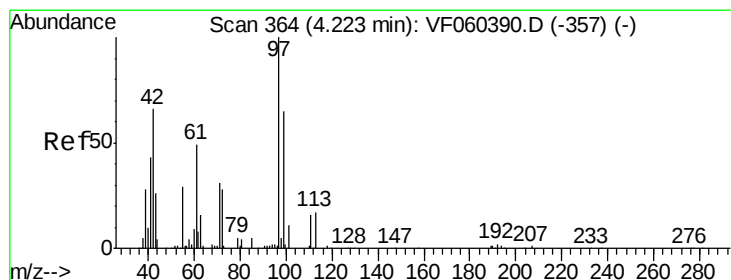
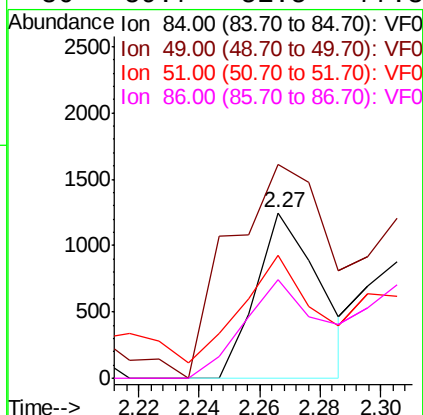
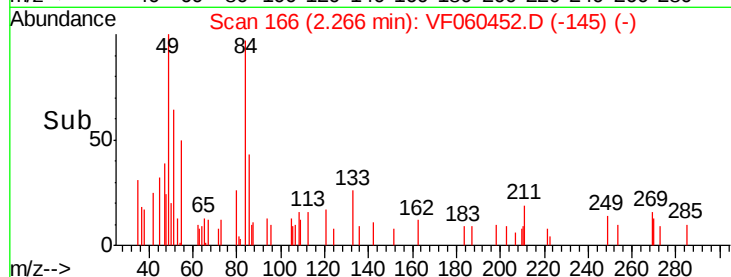
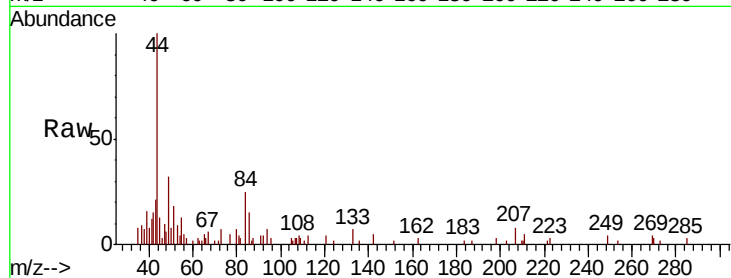




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF060452.D
Acq: 4 Oct 2018 22:45

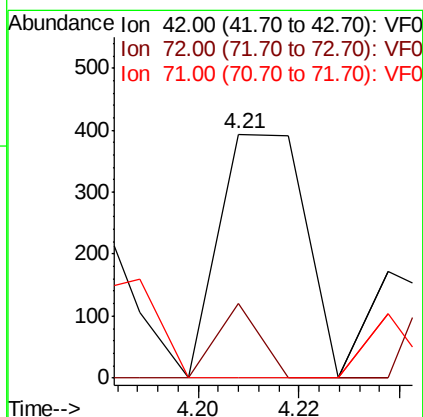
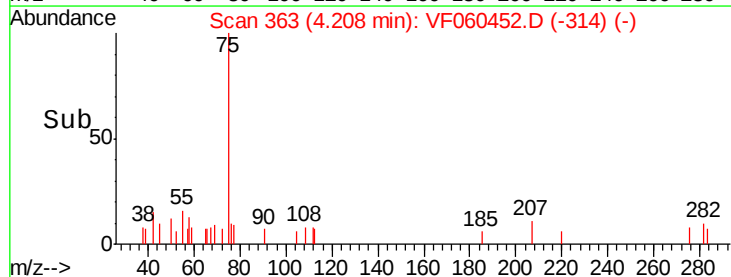
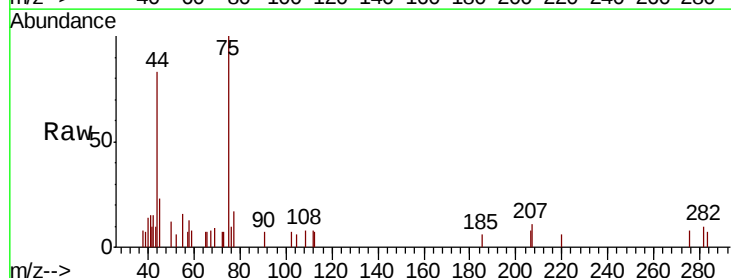
Instrument :
MSVOA_F
ClientSampled :

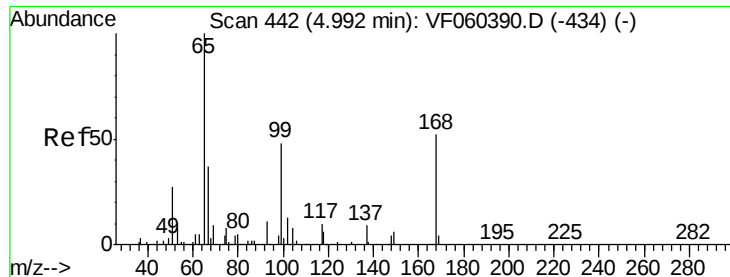
Tot Ion: 84 Resp: 1820
Ion Ratio Lower Upper
84 100
49 129.2 130.2 195.2#
51 74.7 41.0 61.6#
86 59.7 51.5 77.3



#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.21 min Scan# 363
Delta R.T. -0.01 min
Lab File: VF060452.D
Acq: 4 Oct 2018 22:45

Tgt Ion: 42 Resp: 464
Ion Ratio Lower Upper
42 100
72 15.3 33.6 50.4#
71 0.0 32.7 49.1#





#33

1,2-Dichloroethane-d4

Concen: 37.899 ug/l

RT: 5.00 min Scan# 443

Delta R.T. 0.00 min

Lab File: VF060452.D

Acq: 4 Oct 2018 22:45

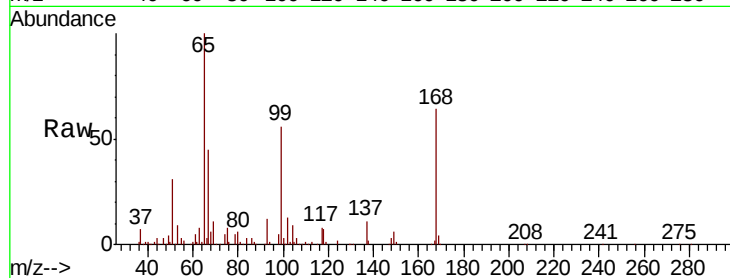
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 161477

Ion Ratio Lower Upper

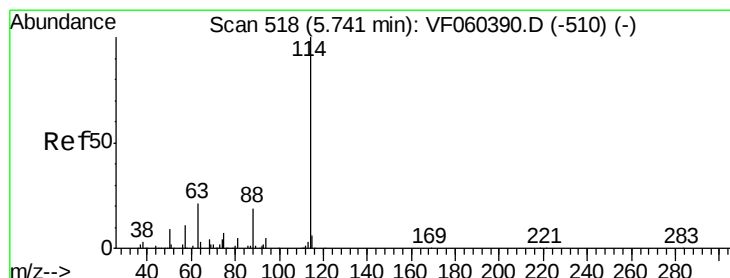
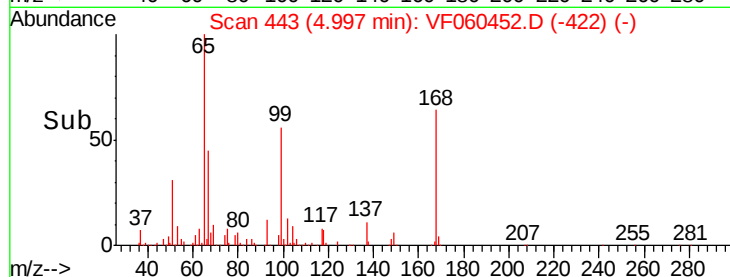
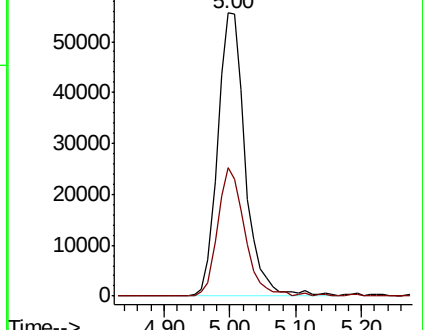
65 100

67 45.4 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. 0.00 min

Lab File: VF060452.D

Acq: 4 Oct 2018 22:45

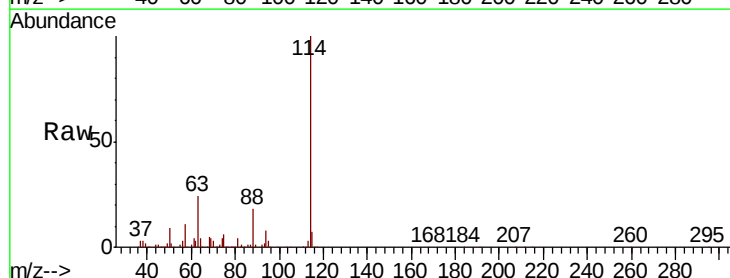
Tgt Ion: 114 Resp: 471087

Ion Ratio Lower Upper

114 100

63 23.5 0.0 42.2

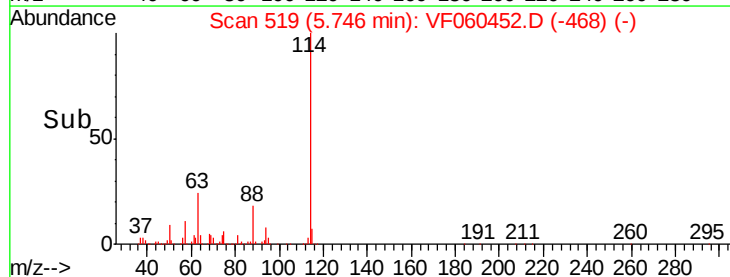
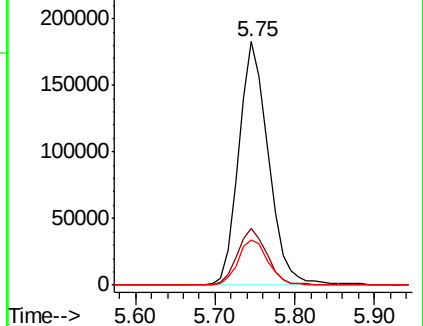
88 18.4 0.0 38.8

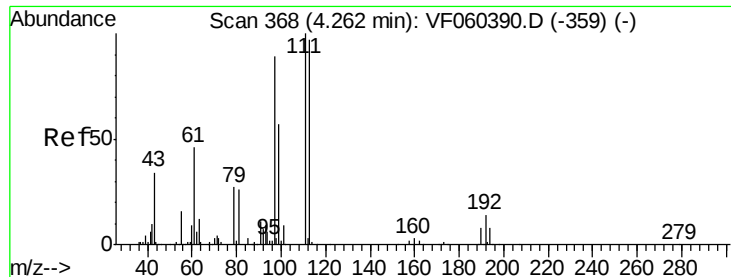


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 36.096 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF060452.D

Acq: 4 Oct 2018 22:45

Instrument :
MSVOA_F
ClientSampleId :

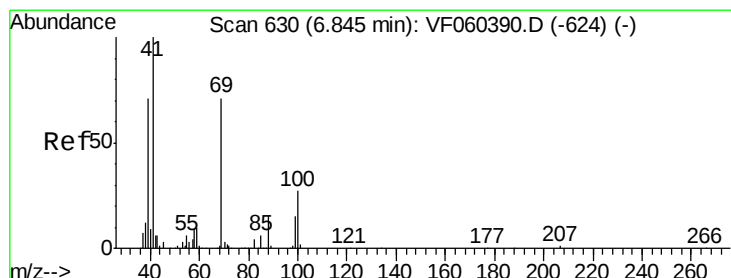
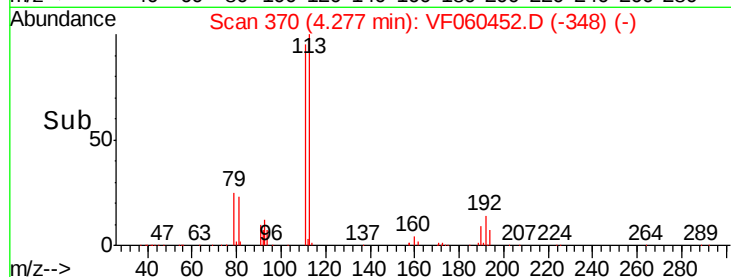
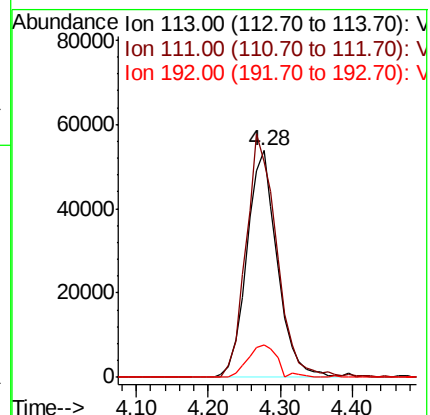
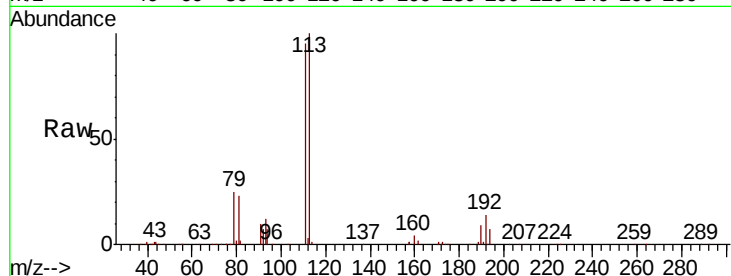
Tot Ion:113 Resp: 159744

Ion Ratio Lower Upper

113 100

111 94.9 82.3 123.5

192 14.6 11.8 17.6



#49

1,4-Dioxane

Concen: 10.880 ug/l

RT: 6.78 min Scan# 624

Delta R.T. -0.06 min

Lab File: VF060452.D

Acq: 4 Oct 2018 22:45

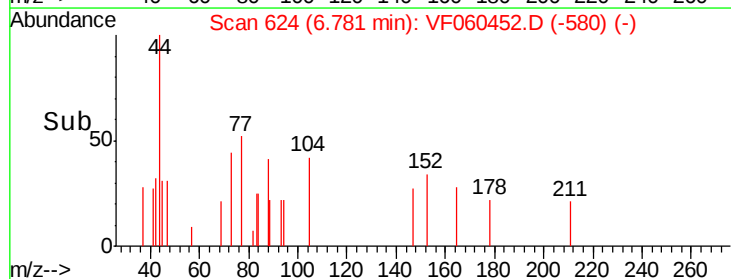
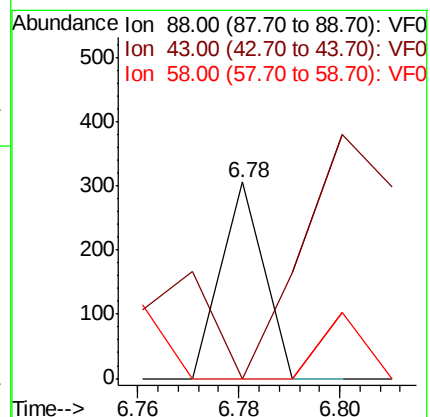
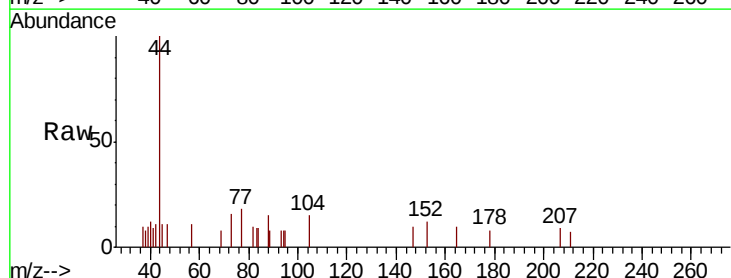
Tgt Ion: 88 Resp: 181

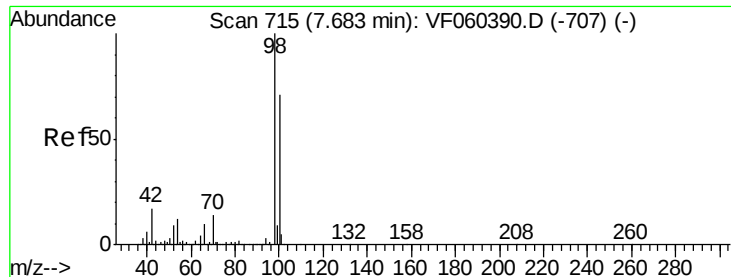
Ion Ratio Lower Upper

88 100

43 0.0 38.3 57.5#

58 0.0 47.4 71.2#





#50

Toluene-d8

Concen: 26.272 ug/l

RT: 7.69 min Scan# 716

Delta R.T. 0.00 min

Lab File: VF060452.D

Acq: 4 Oct 2018 22:45

Instrument :

MSVOA_F

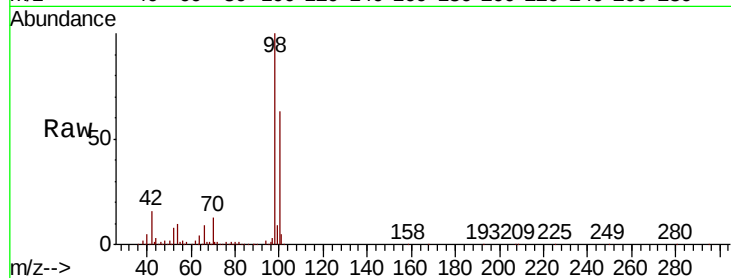
ClientSampled :

Tot Ion: 98 Resp: 286351

Ion Ratio Lower Upper

98 100

100 62.7 56.5 84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.69

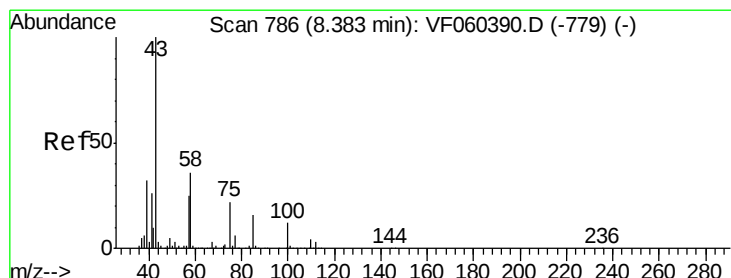
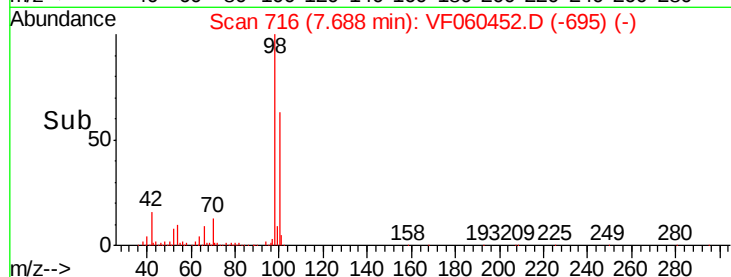
100000

50000

0

Time-->

7.60 7.70 7.80



#51

4-Methyl-2-Pentanone

Concen: 1.260 ug/l

RT: 8.39 min Scan# 787

Delta R.T. 0.00 min

Lab File: VF060452.D

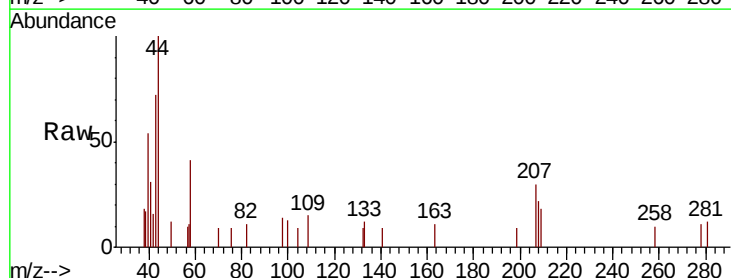
Acq: 4 Oct 2018 22:45

Tgt Ion: 43 Resp: 2410

Ion Ratio Lower Upper

43 100

58 56.8 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

800

600

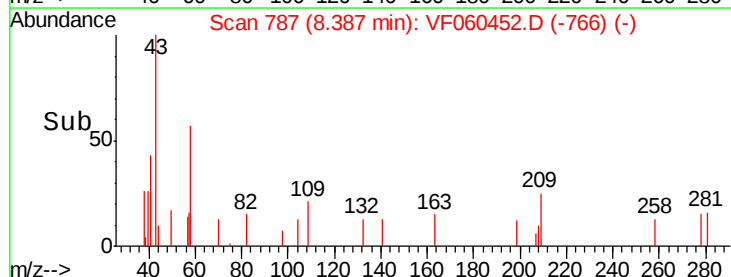
400

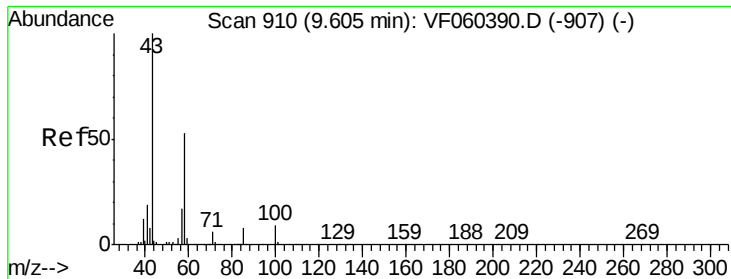
200

0

Time-->

8.35 8.40 8.45

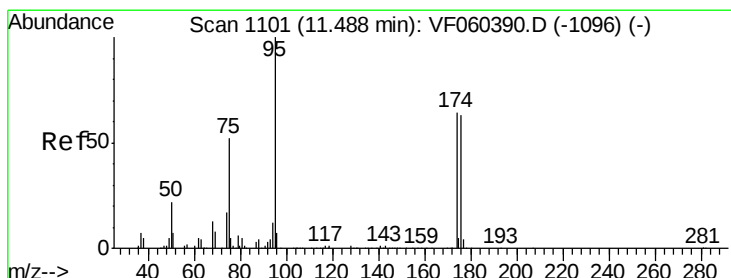
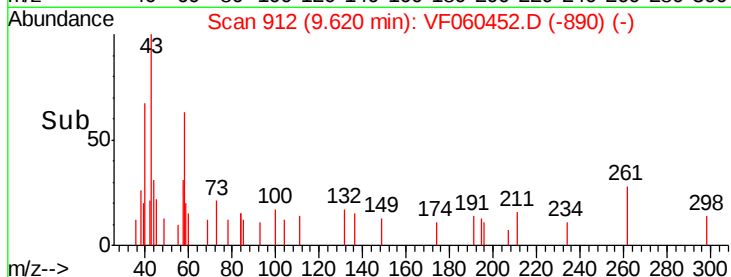
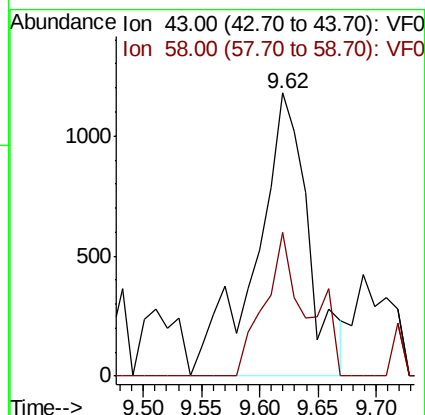
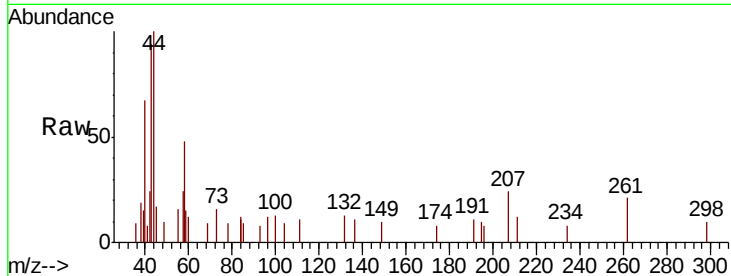




#59
2-Hexanone
Concen: 2.626 ug/l
RT: 9.62 min Scan# 912
Delta R.T. 0.01 min
Lab File: VF060452.D
Acq: 4 Oct 2018 22:45

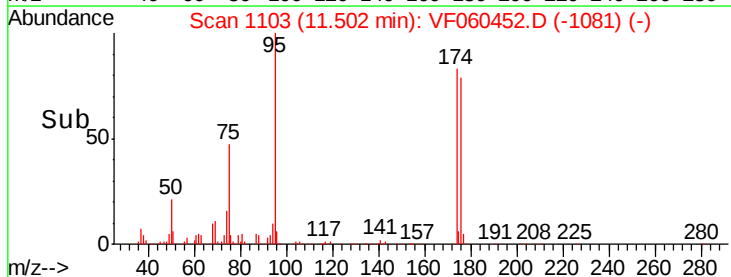
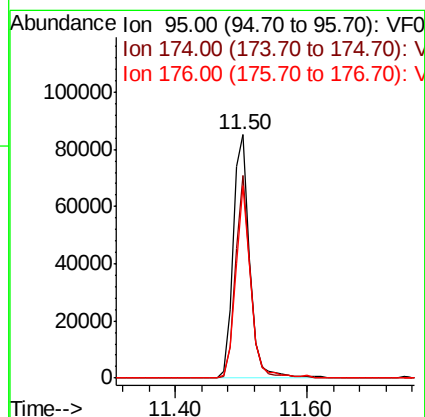
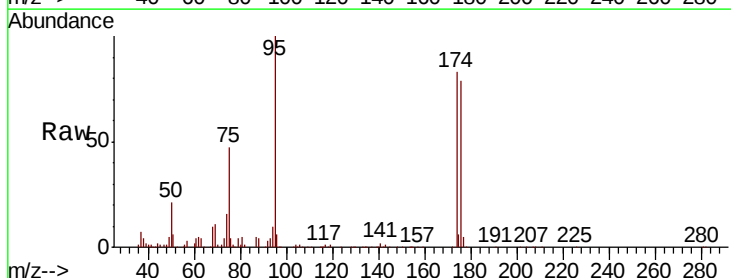
Instrument :
MSVOA_F
ClientSampleId :

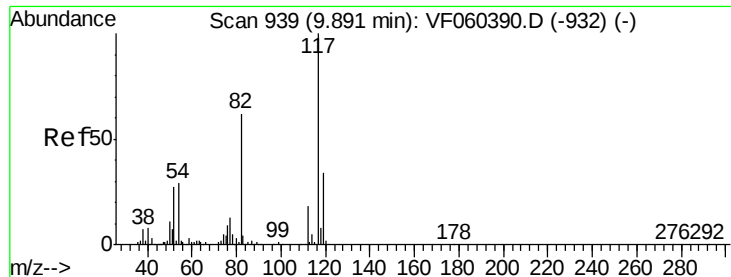
Tot Ion: 43 Resp: 3685
Ion Ratio Lower Upper
43 100
58 50.9 25.6 76.6



#62
4-Bromofluorobenzene
Concen: 30.282 ug/l
RT: 11.50 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VF060452.D
Acq: 4 Oct 2018 22:45

Tgt Ion: 95 Resp: 150701
Ion Ratio Lower Upper
95 100
174 83.3 0.0 129.0
176 79.1 0.0 125.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 941

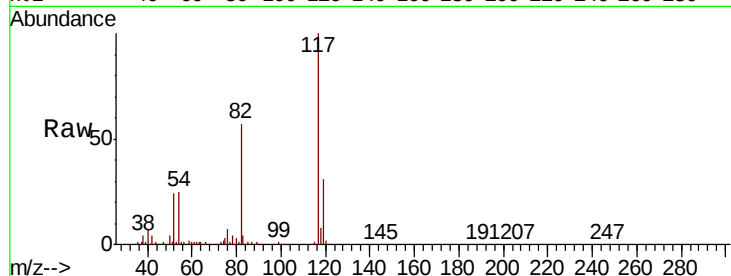
Delta R.T. 0.01 min

Lab File: VF060452.D

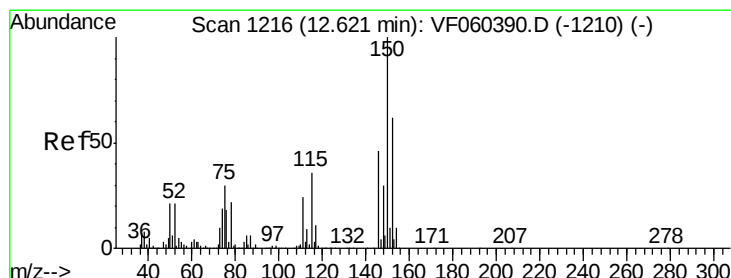
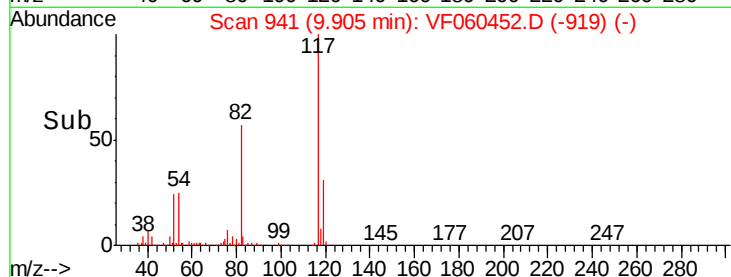
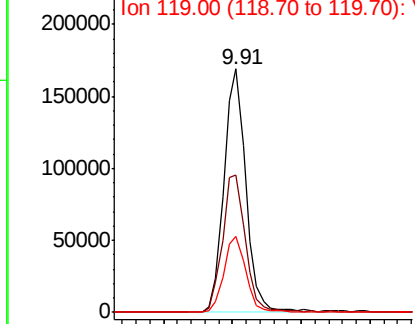
Acq: 4 Oct 2018 22:45

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117	Resp:	373992
Ion Ratio	Lower	Upper
117	100	
82	56.6	49.5 74.3
119	31.0	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

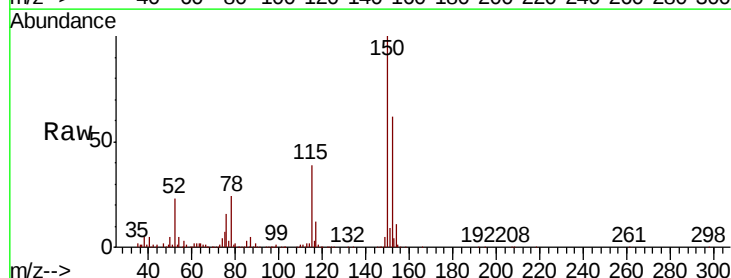
RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060452.D

Acq: 4 Oct 2018 22:45

Tgt Ion:152	Resp:	190590
Ion Ratio	Lower	Upper
152	100	
115	62.1	28.6 85.8
150	160.8	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

