

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070218\
 Data File : VF059390.D
 Acq On : 2 Jul 2018 16:41
 Operator : VA/AP
 Sample : J3802-04
 Misc : 8.83g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CF-4(3.0)

Quant Time: Jul 03 01:09:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	171716	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.74	114	264449	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	98426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	118924	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.99	65	168281	75.85	ug/l	-0.01
Spiked Amount 50.000			Recovery =	151.70%		
35) Dibromofluoromethane	4.26	113	135372	70.06	ug/l	-0.01
Spiked Amount 50.000			Recovery =	140.12%		
50) Toluene-d8	7.69	98	14429	3.02	ug/l	-0.01
Spiked Amount 50.000			Recovery =	6.04%		
62) 4-Bromofluorobenzene	11.50	95	135418	50.18	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.36%		

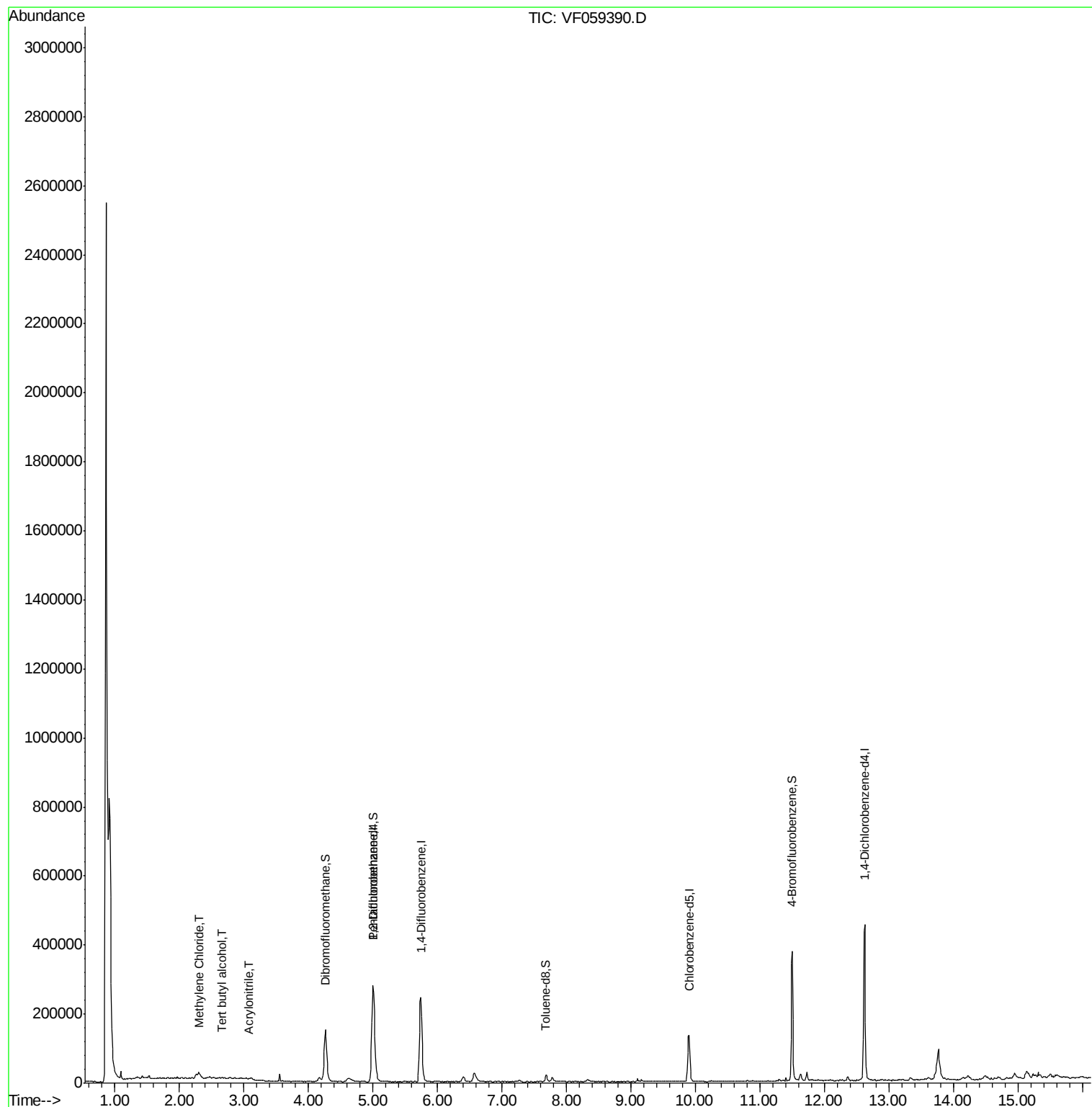
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.33	94	1415	Below Cal	#	4
11) Tert butyl alcohol	2.66	59	2207	14.94	ug/l	47
13) Acrolein	2.13	56	649	Below Cal	#	1
15) Acrylonitrile	3.06	53	787	3.03	ug/l	94
16) Acetone	2.32	43	1824	Below Cal		100
18) Methyl Acetate	2.27	43	249	Below Cal		99
20) Methylene Chloride	2.29	84	12630	3.24	ug/l	88
25) 2-Butanone	4.50	43	247	Below Cal	#	59
28) Bromochloromethane	3.96	49	61	Below Cal	#	6
29) Tetrahydrofuran	4.20	42	285	Below Cal	#	36
37) Ethyl Acetate	4.28	43	1140	Below Cal	#	26
49) 1,4-Dioxane	6.75	88	62	Below Cal	#	20
59) 2-Hexanone	9.63	43	865	Below Cal		86
87) 1,3-Dichlorobenzene	12.54	146	544	Below Cal	#	47

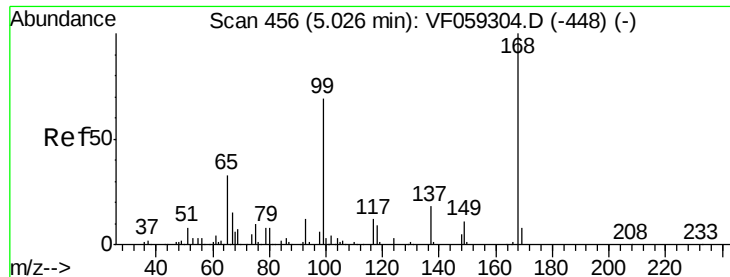
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF059390.D

Acq: 2 Jul 2018 16:41

Instrument :

MSVOA_F

ClientSampleId :

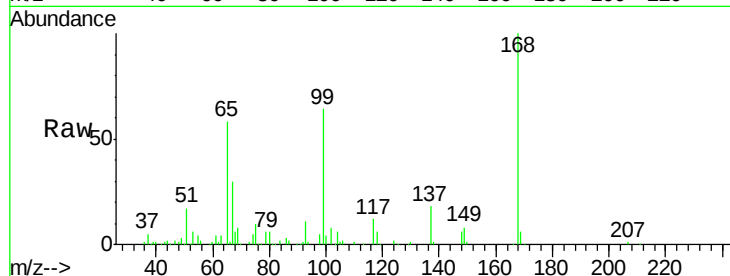
CF-4(3.0)

Tot Ion:168 Resp: 171716

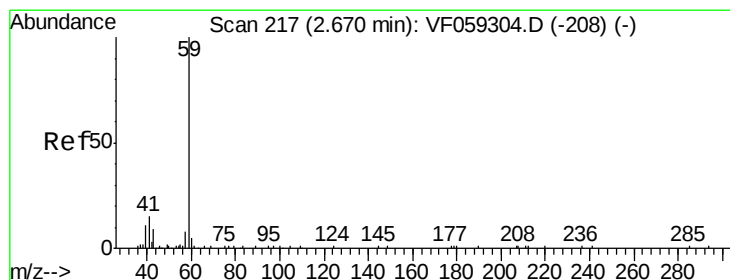
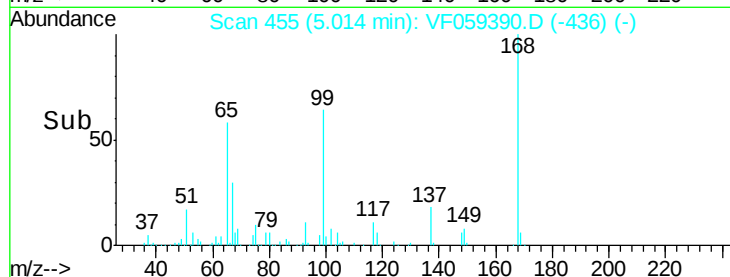
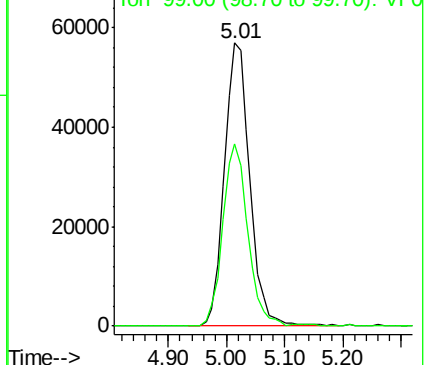
Ion Ratio Lower Upper

168 100

99 64.5 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: 14.94 ug/l

RT: 2.66 min Scan# 216

Delta R.T. -0.01 min

Lab File: VF059390.D

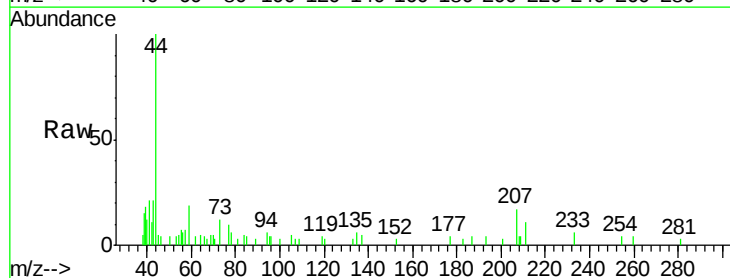
Acq: 2 Jul 2018 16:41

Tgt Ion: 59 Resp: 2207

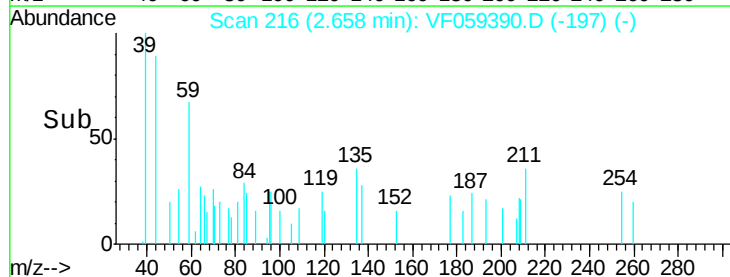
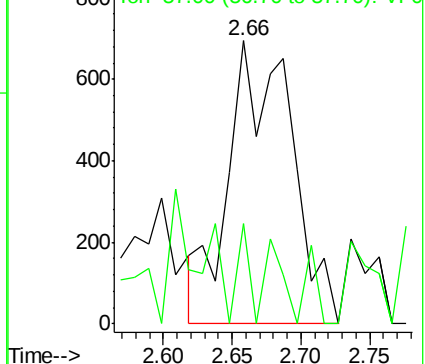
Ion Ratio Lower Upper

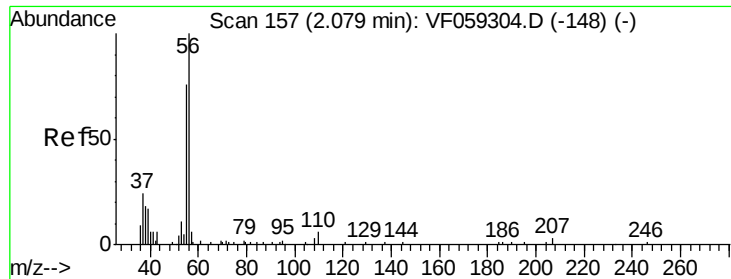
59 100

57 35.3 11.0 16.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0





#13

Acrolein

Concen: Below Cal

RT: 2.13 min Scan# 162

Delta R.T. 0.05 min

Lab File: VF059390.D

Acq: 2 Jul 2018 16:41

Instrument :

MSVOA_F

ClientSampled :

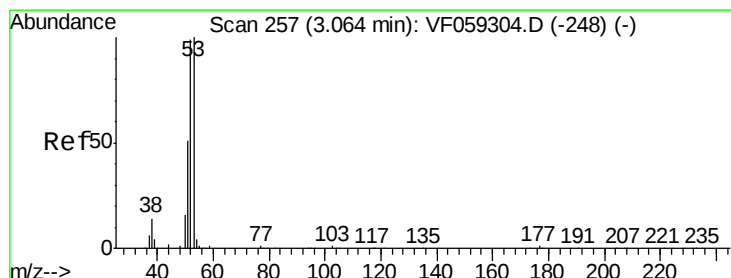
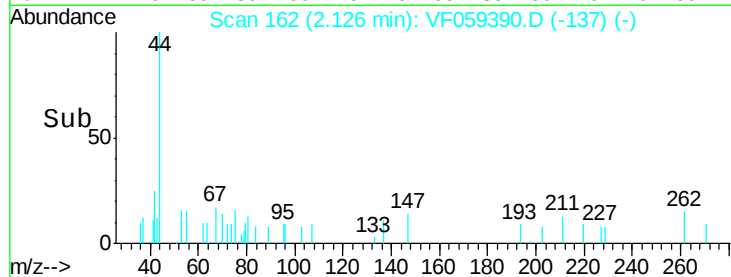
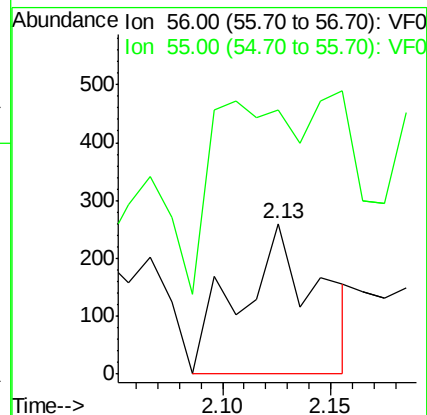
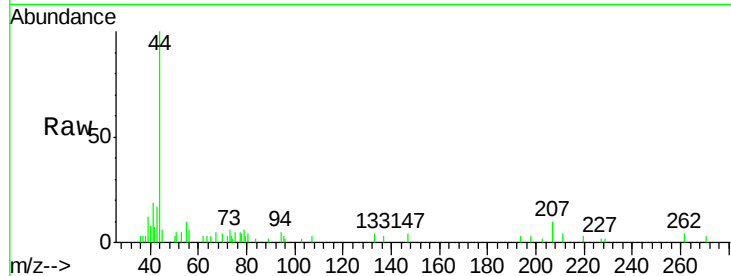
CF-4(3.0)

Tot Ion: 56 Resp: 649

Ion Ratio Lower Upper

56 100

55 175.8 62.4 93.6#



#15

Acrylonitrile

Concen: 3.03 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.00 min

Lab File: VF059390.D

Acq: 2 Jul 2018 16:41

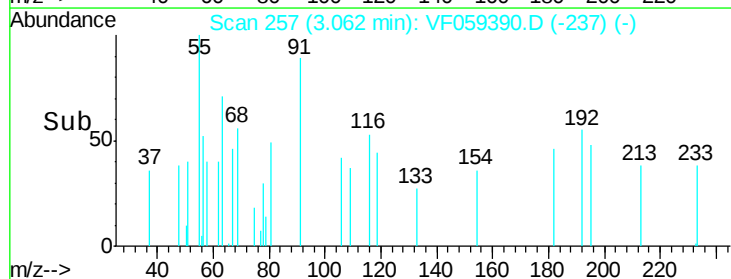
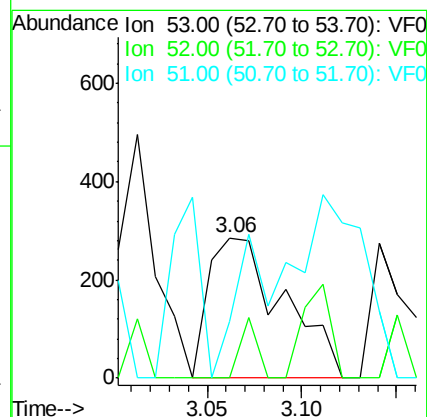
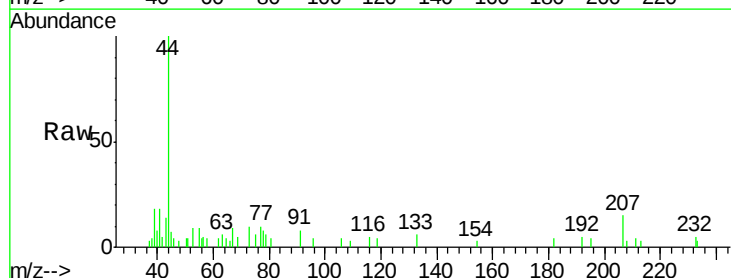
Tgt Ion: 53 Resp: 787

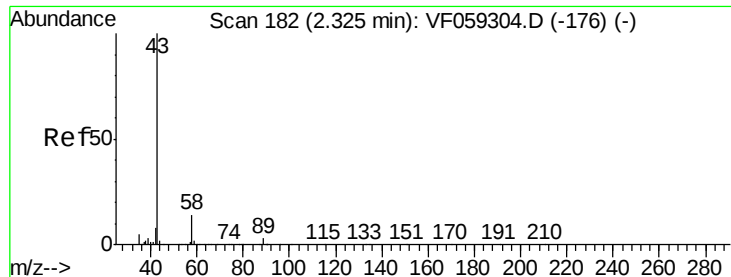
Ion Ratio Lower Upper

53 100

52 100.0 79.2 118.8

51 40.2 40.9 61.3#





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059390.D

Acq: 2 Jul 2018 16:41

Instrument :

MSVOA_F

ClientSampleId :

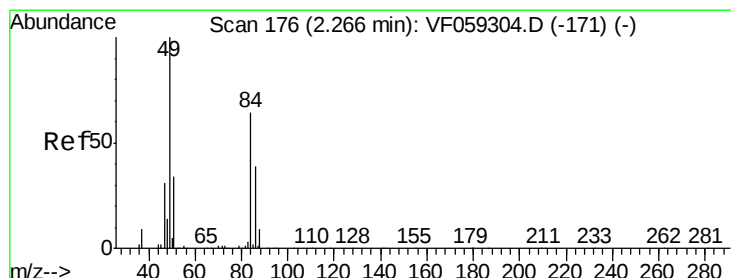
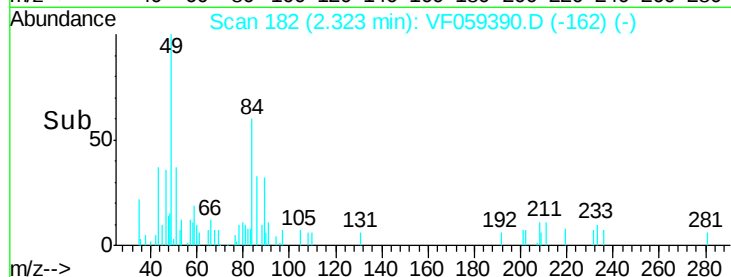
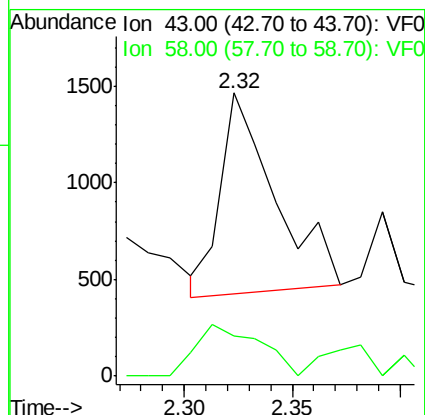
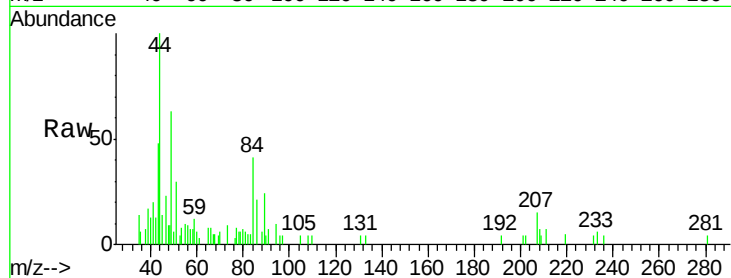
CF-4(3.0)

Tot Ion: 43 Resp: 1824

Ion Ratio Lower Upper

43 100

58 14.0 11.4 17.0



#20

Methylene Chloride

Concen: 3.24 ug/l

RT: 2.29 min Scan# 179

Delta R.T. 0.03 min

Lab File: VF059390.D

Acq: 2 Jul 2018 16:41

Tgt Ion: 84 Resp: 12630

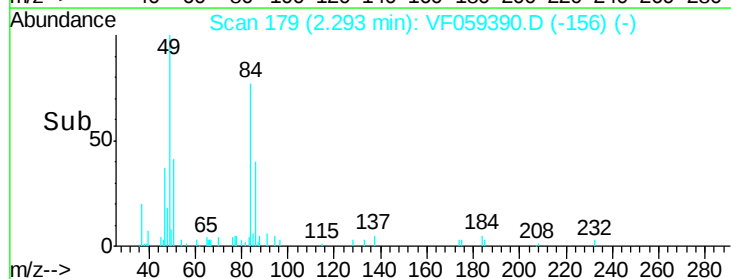
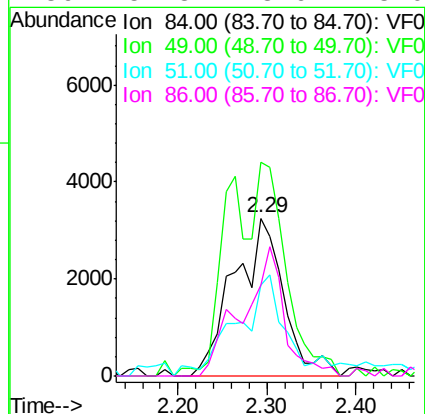
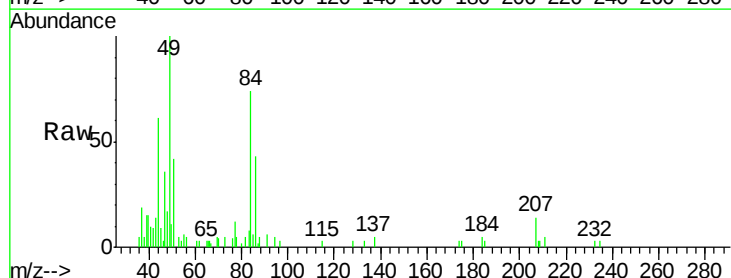
Ion Ratio Lower Upper

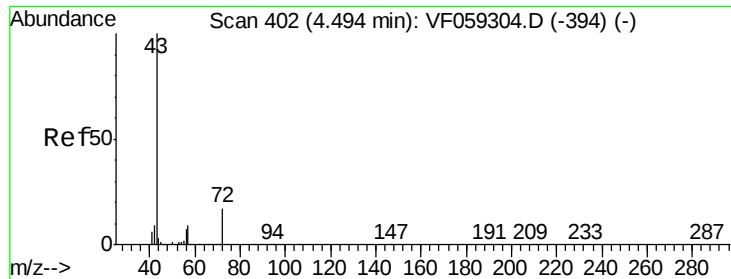
84 100

49 135.7 126.5 189.7

51 57.4 42.9 64.3

86 57.8 48.6 73.0





#25

2-Butanone

Concen: Below Cal

RT: 4.50 min Scan# 403

Delta R.T. 0.01 min

Lab File: VF059390.D

Acq: 2 Jul 2018 16:41

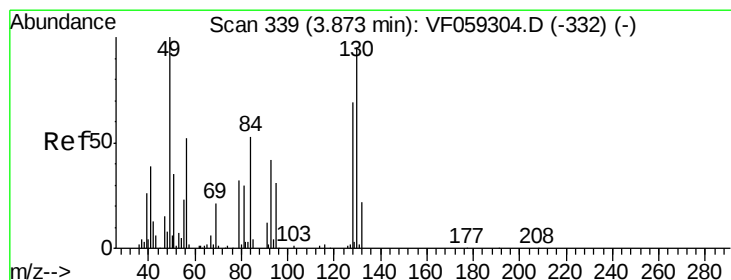
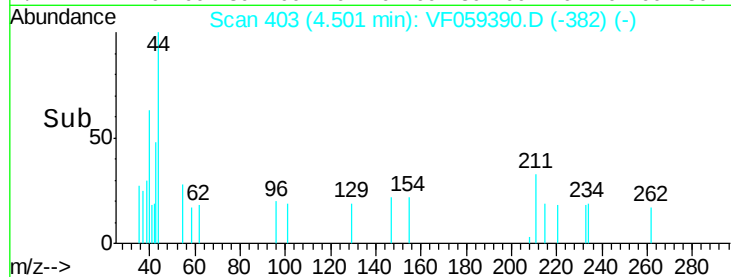
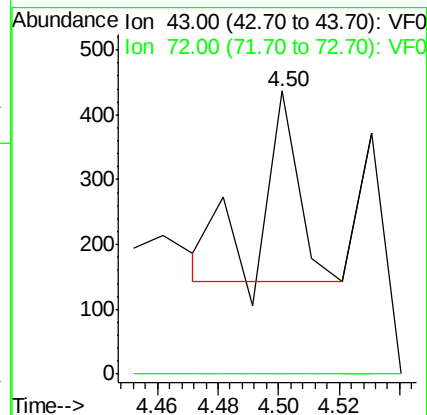
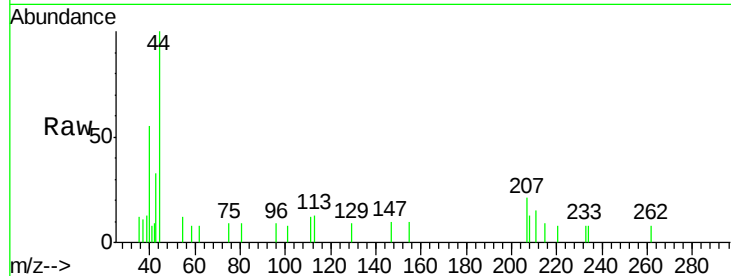
Instrument :
MSVOA_F
ClientSampled :
CF-4(3.0)

Tot Ion: 43 Resp: 247

Ion Ratio Lower Upper

43 100

72 0.0 14.4 21.6#



#28

Bromochloromethane

Concen: Below Cal

RT: 3.96 min Scan# 348

Delta R.T. 0.09 min

Lab File: VF059390.D

Acq: 2 Jul 2018 16:41

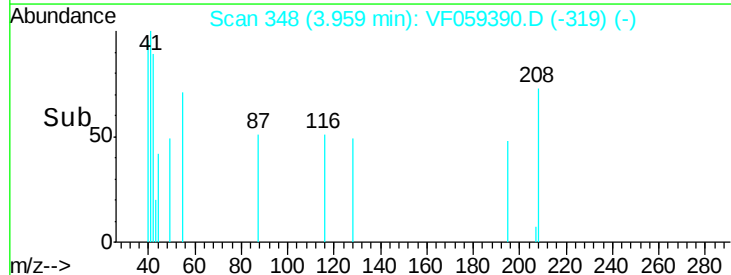
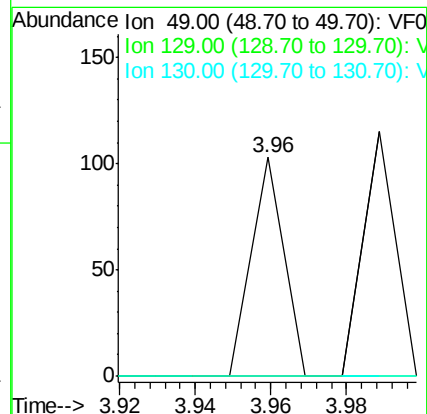
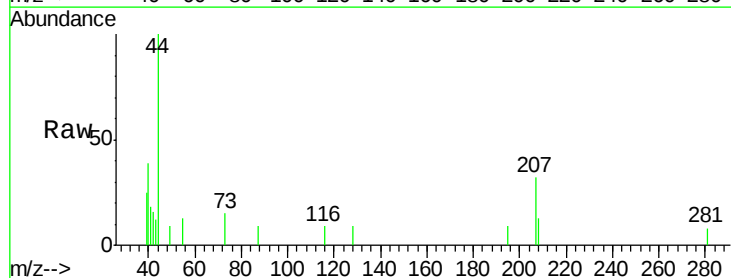
Tgt Ion: 49 Resp: 61

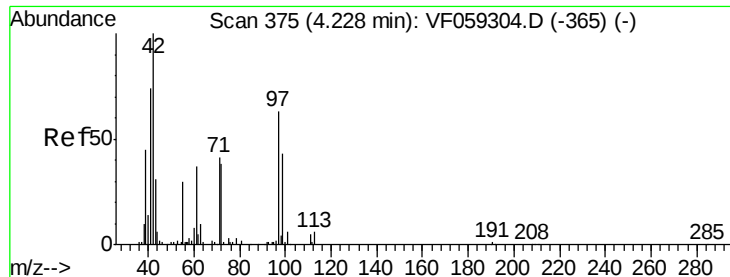
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.4

130 0.0 75.1 112.7#

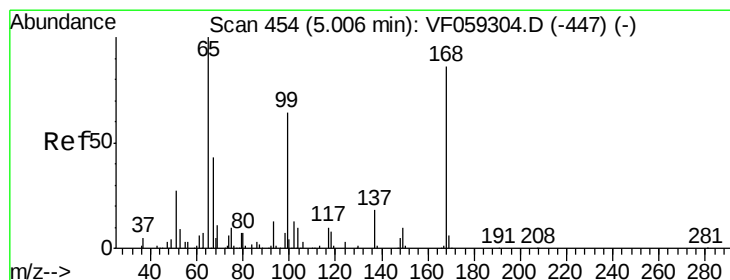
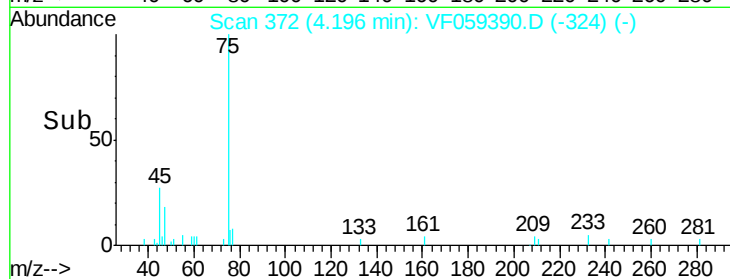
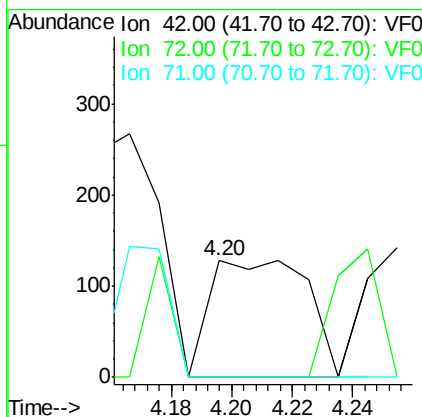
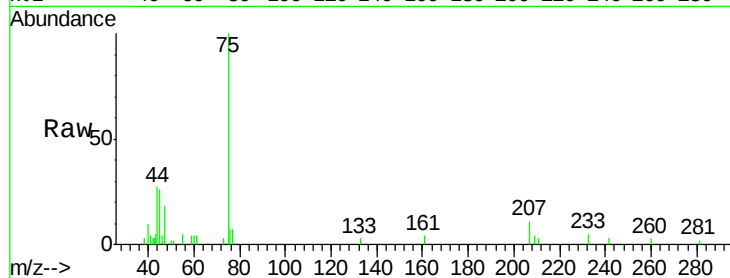




#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.20 min Scan# 372
Delta R.T. -0.03 min
Lab File: VF059390.D
Acq: 2 Jul 2018 16:41

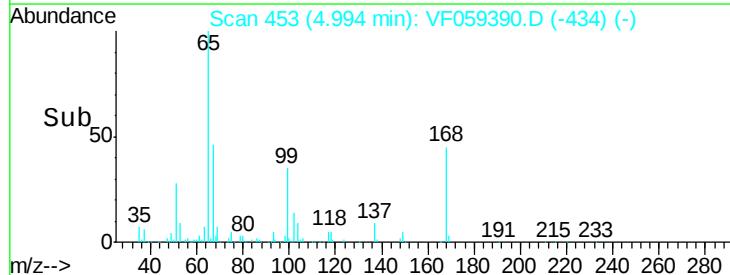
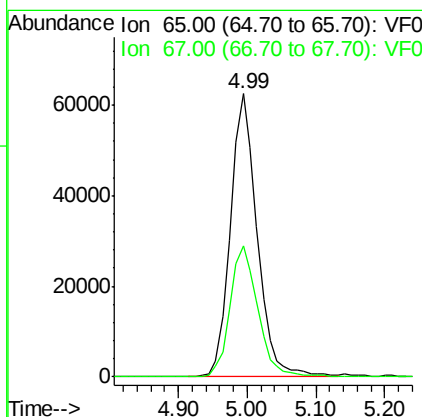
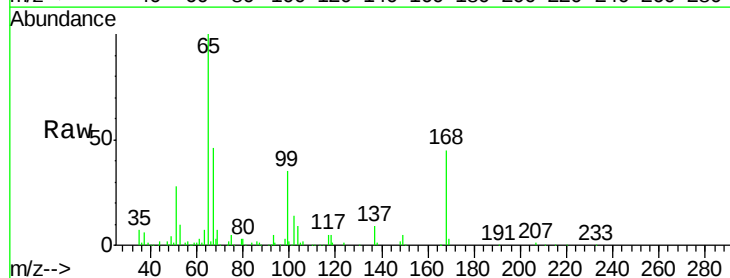
Instrument :
MSVOA_F
ClientSampleId :
CF-4(3.0)

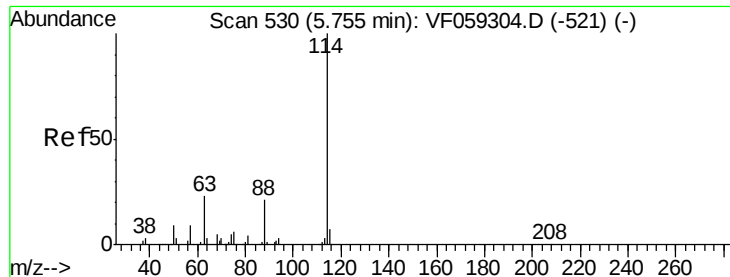
Tot Ion: 42 Resp: 285
Ion Ratio Lower Upper
42 100
72 0.0 30.5 45.7#
71 0.0 32.5 48.7#



#33
1,2-Dichloroethane-d4
Concen: 75.85 ug/l
RT: 4.99 min Scan# 453
Delta R.T. -0.01 min
Lab File: VF059390.D
Acq: 2 Jul 2018 16:41

Tgt Ion: 65 Resp: 168281
Ion Ratio Lower Upper
65 100
67 46.3 0.0 96.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.01 min

Lab File: VF059390.D

Acq: 2 Jul 2018 16:41

Instrument :

MSVOA_F

ClientSampleId :

CF-4(3.0)

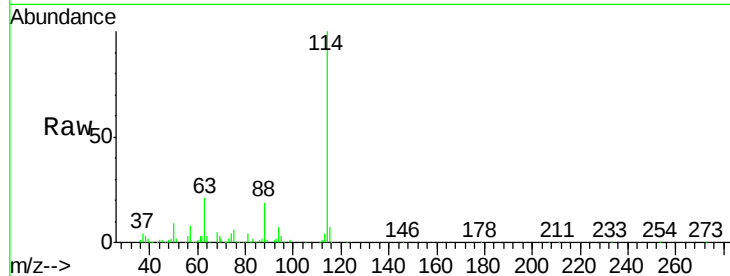
Tot Ion:114 Resp: 264449

Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.8

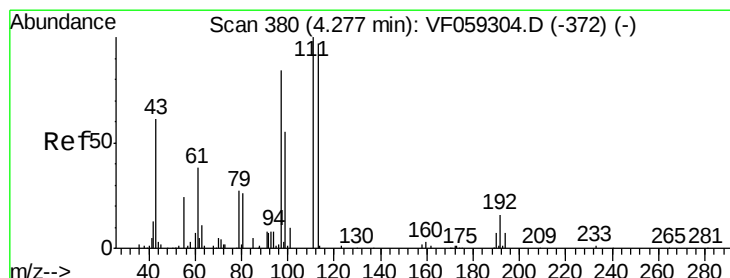
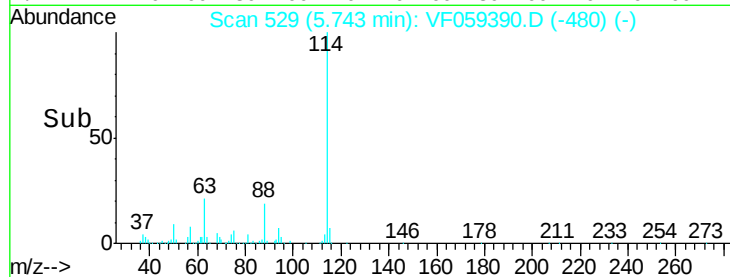
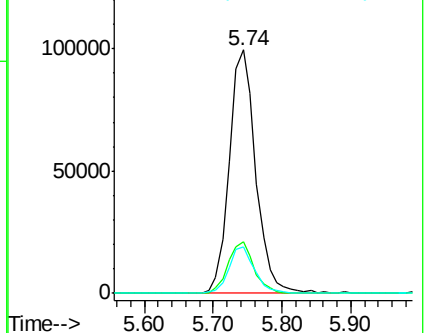
88 19.4 0.0 41.2



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: 70.06 ug/l

RT: 4.26 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059390.D

Acq: 2 Jul 2018 16:41

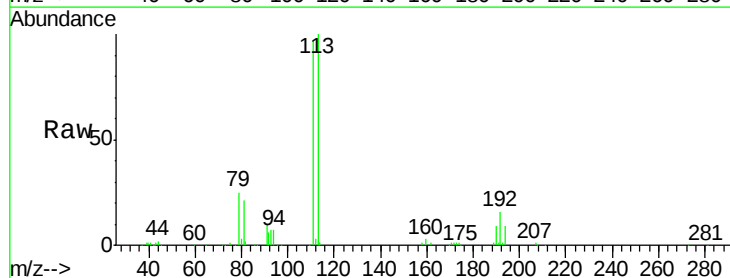
Tgt Ion:113 Resp: 135372

Ion Ratio Lower Upper

113 100

111 95.7 82.1 123.1

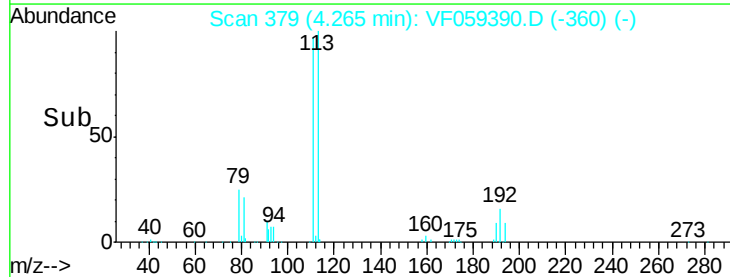
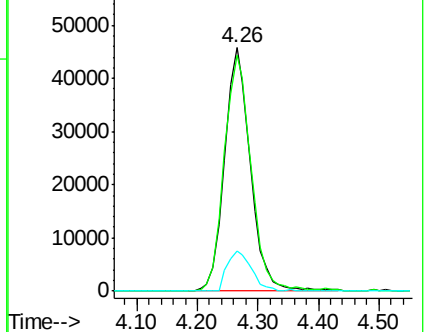
192 16.1 13.0 19.6

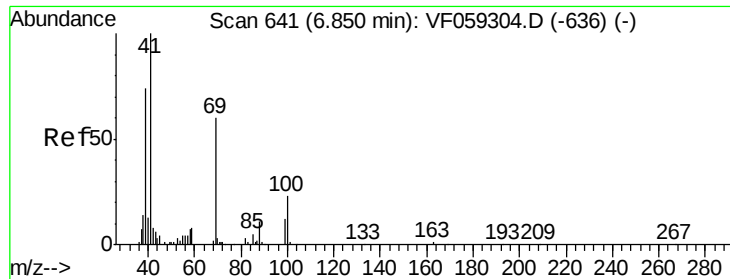


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: Below Cal

RT: 6.75 min Scan# 631

Delta R.T. -0.10 min

Lab File: VF059390.D

Acq: 2 Jul 2018 16:41

Instrument :

MSVOA_F

ClientSampleId :

CF-4(3.0)

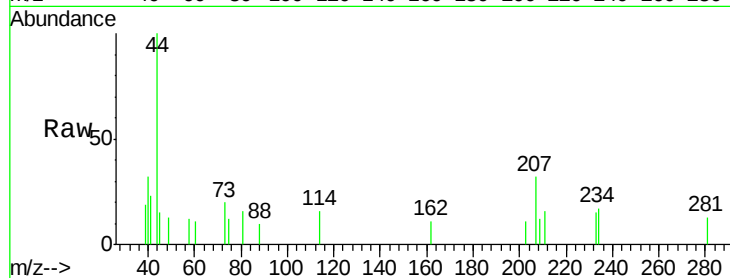
Tot Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 0.0 50.6 75.8#

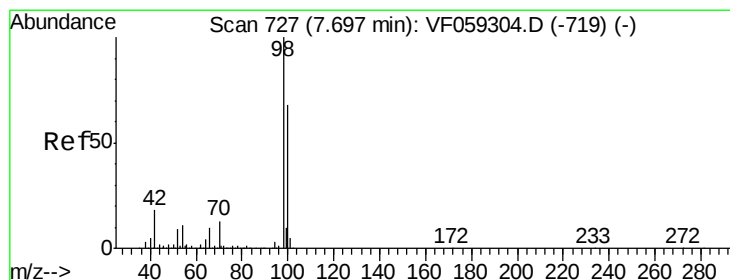
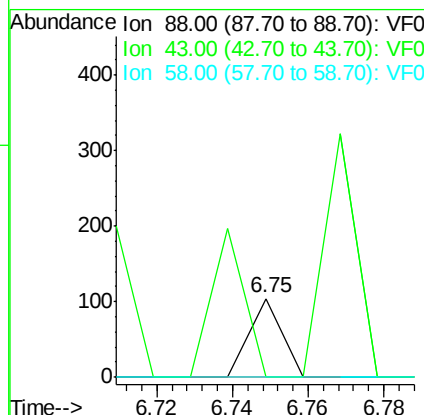
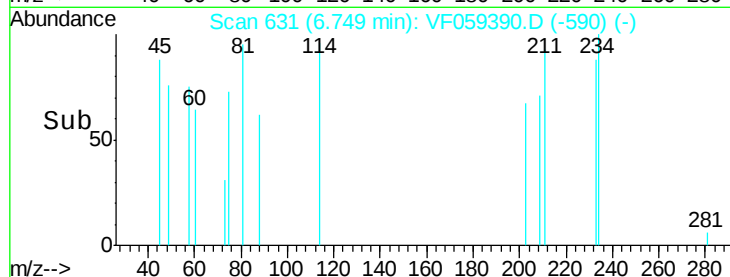
58 0.0 46.6 69.8#



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: 3.02 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.01 min

Lab File: VF059390.D

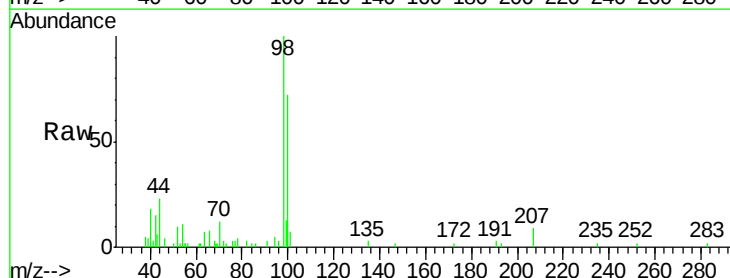
Acq: 2 Jul 2018 16:41

Tgt Ion: 98 Resp: 14429

Ion Ratio Lower Upper

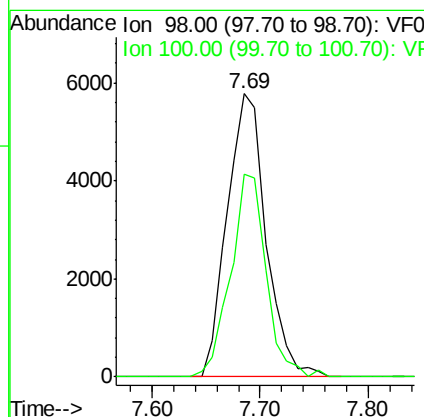
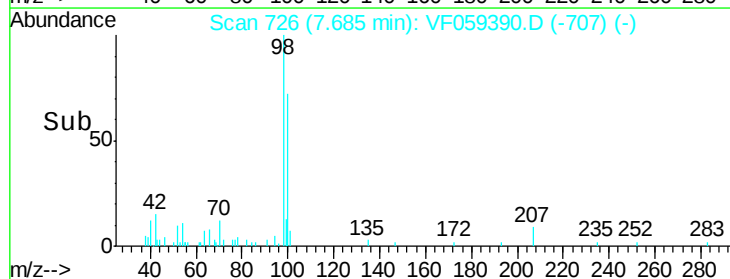
98 100

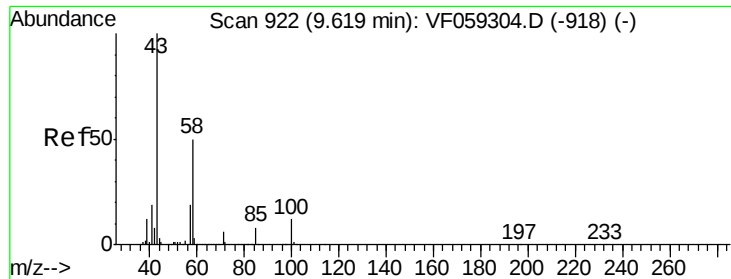
100 71.8 54.6 82.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

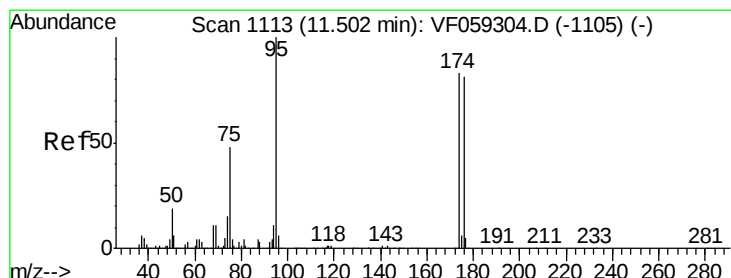
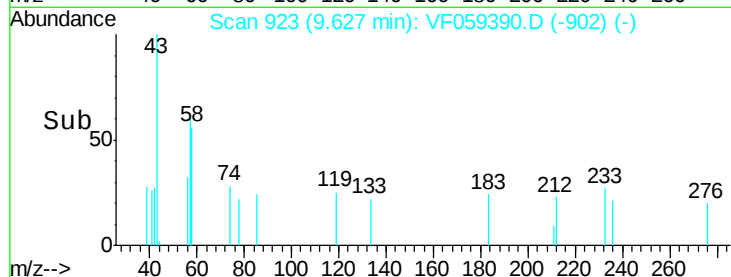
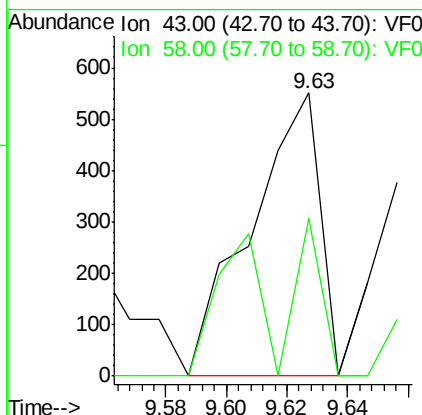
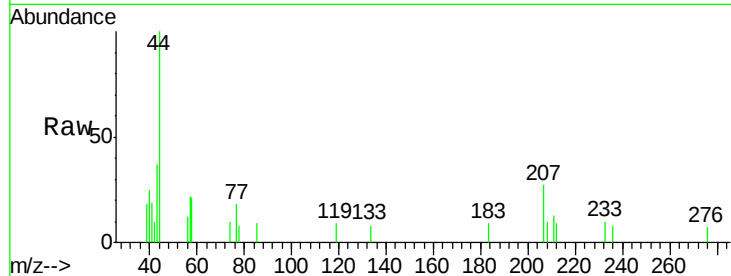




#59
2-Hexanone
Concen: Below Cal
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF059390.D
Acq: 2 Jul 2018 16:41

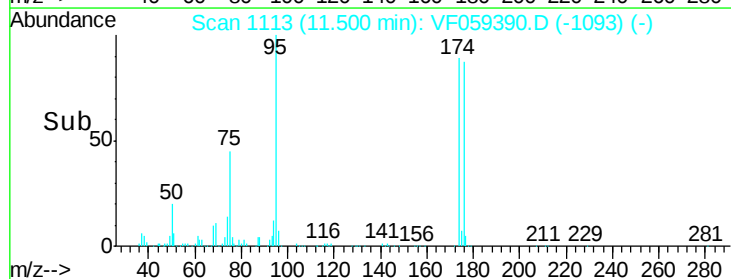
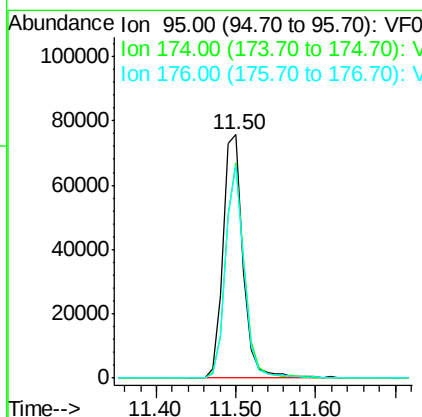
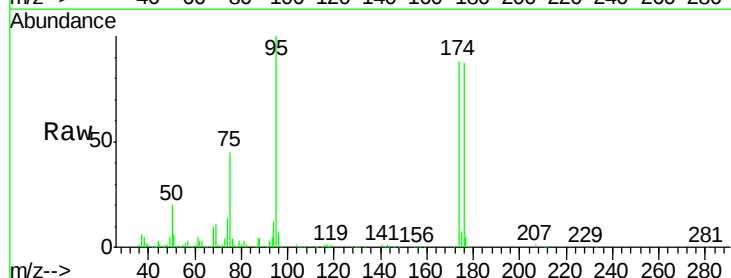
Instrument :
MSVOA_F
ClientSampled :
CF-4(3.0)

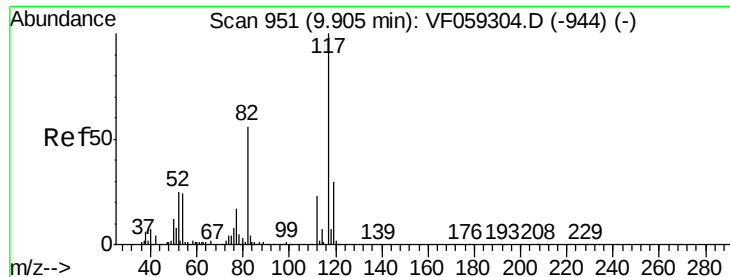
Tot Ion: 43 Resp: 865
Ion Ratio Lower Upper
43 100
58 55.7 23.3 69.9



#62
4-Bromofluorobenzene
Concen: 50.18 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF059390.D
Acq: 2 Jul 2018 16:41

Tgt Ion: 95 Resp: 135418
Ion Ratio Lower Upper
95 100
174 88.4 0.0 165.2
176 87.2 0.0 161.0

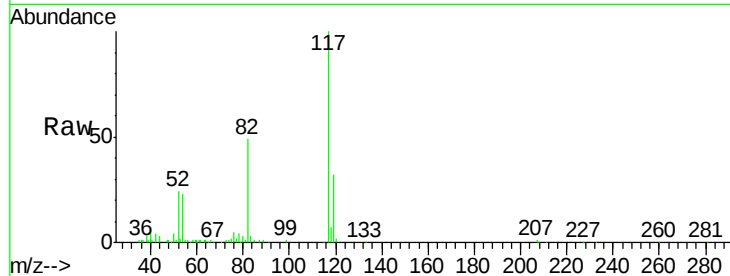




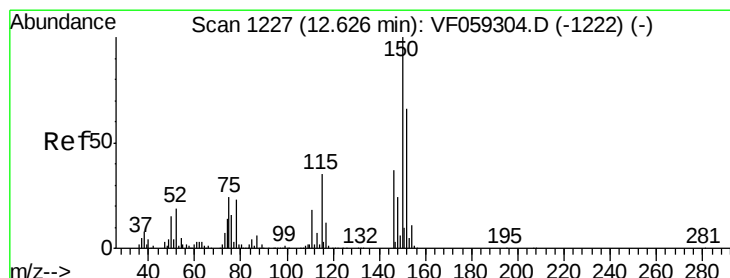
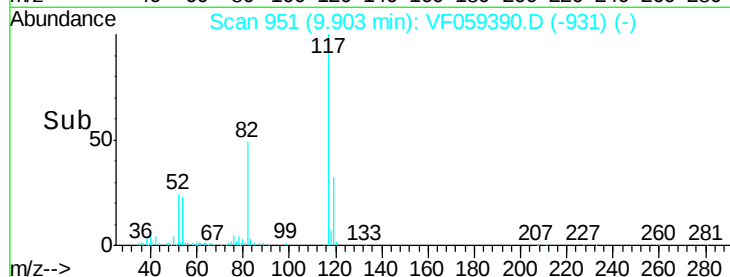
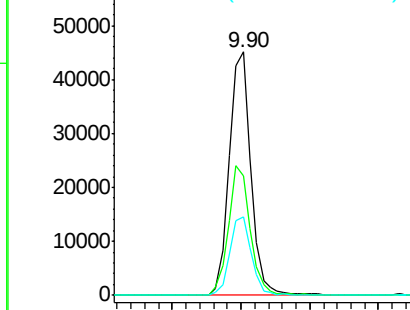
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059390.D
Acq: 2 Jul 2018 16:41

Instrument :
MSVOA_F
ClientSampleId :
CF-4(3.0)

Tot Ion:117 Resp: 98426
Ion Ratio Lower Upper
117 100
82 49.1 44.6 66.8
119 32.2 24.1 36.1

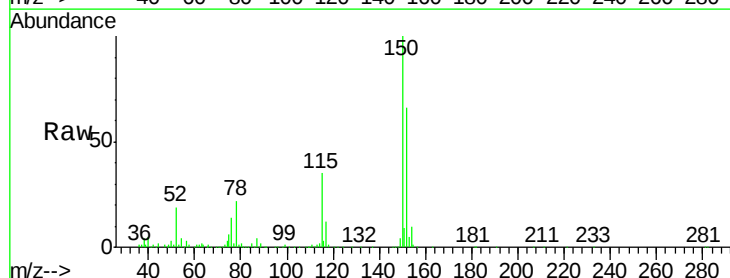


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

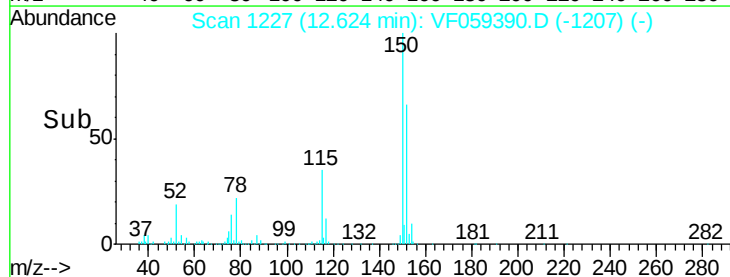
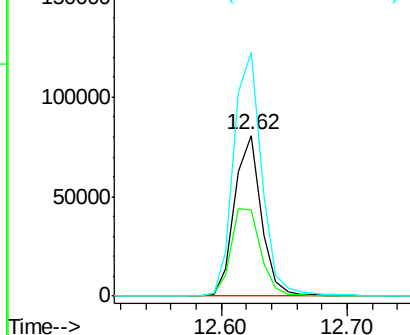


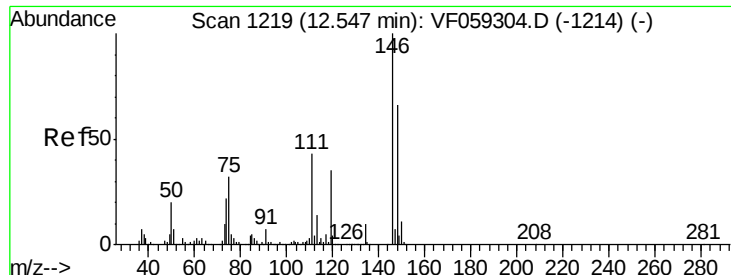
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059390.D
Acq: 2 Jul 2018 16:41

Tgt Ion:152 Resp: 118924
Ion Ratio Lower Upper
152 100
115 53.4 27.1 81.3
150 151.2 0.0 305.2



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





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.54 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VF059390.D

Acq: 2 Jul 2018 16:41

Instrument :

MSVOA_F

ClientSampleId :

CF-4(3.0)

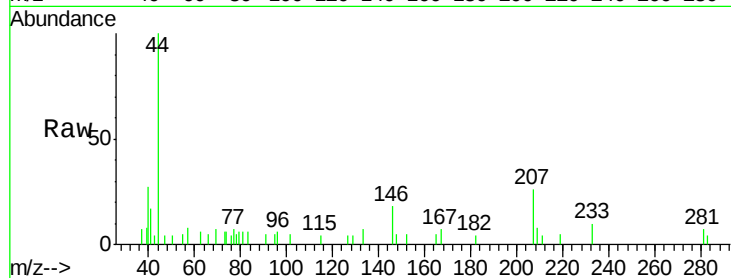
Tot Ion:146 Resp: 544

Ion Ratio Lower Upper

146 100

111 0.0 21.4 64.2#

148 30.6 32.8 98.4#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

