

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062921.D
 Acq On : 12 Jun 2019 12:11
 Operator : FY/SY
 Sample : VF0612SBL01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 13 08:29:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

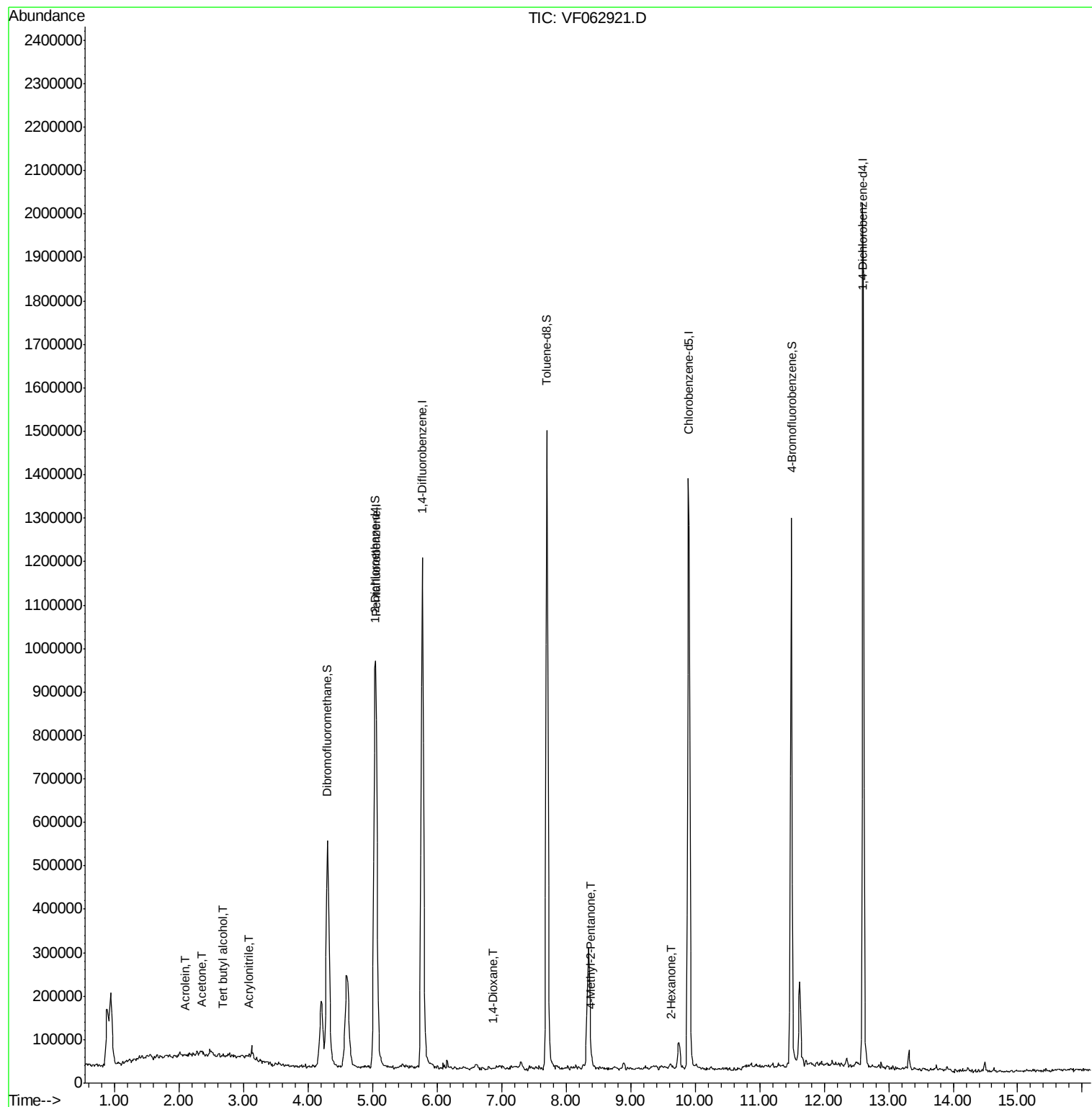
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	856987	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.77	114	1565271	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.90	117	1101875	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.61	152	558932	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	304817	51.44	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	102.88%	
35) Dibromofluoromethane	4.30	113	546919	46.24	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	92.48%	
50) Toluene-d8	7.70	98	1347642	45.06	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	90.12%	
62) 4-Bromofluorobenzene	11.49	95	471769	43.85	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	87.70%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	3079	Below Cal		74
11) Tert butyl alcohol	2.69	59	1103	3.072 ug/l #		1
13) Acrolein	2.10	56	1336	1.172 ug/l		90
15) Acrylonitrile	3.09	53	1349	1.000 ug/l #		47
16) Acetone	2.36	43	7456	5.497 ug/l #		88
20) Methylene Chloride	2.34	84	9975	Below Cal #		82
49) 1,4-Dioxane	6.85	88	132	2.670 ug/l #		1
51) 4-Methyl-2-Pentanone	8.40	43	8360	1.609 ug/l #		76
59) 2-Hexanone	9.62	43	8838	2.387 ug/l		67

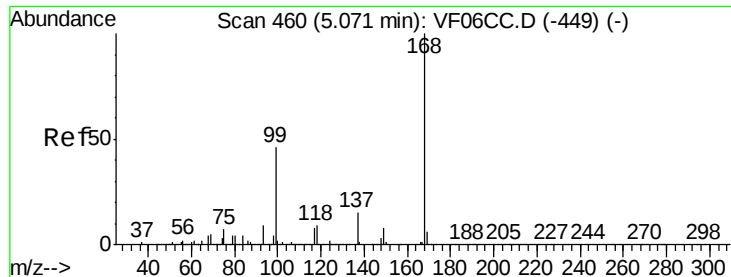
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061219\
Data File : VF062921.D
Acq On : 12 Jun 2019 12:11
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ALS Vial : 4 Sample Multiplier: 1

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Quant Time: Jun 13 08:29:22 2019
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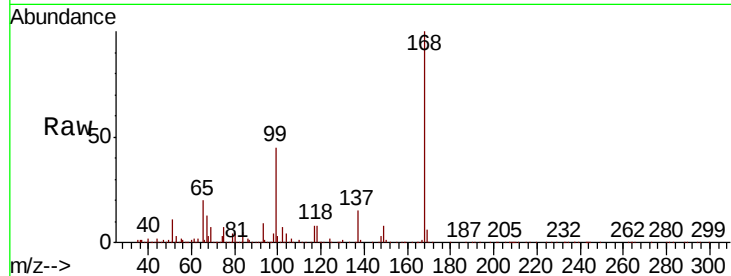


#1

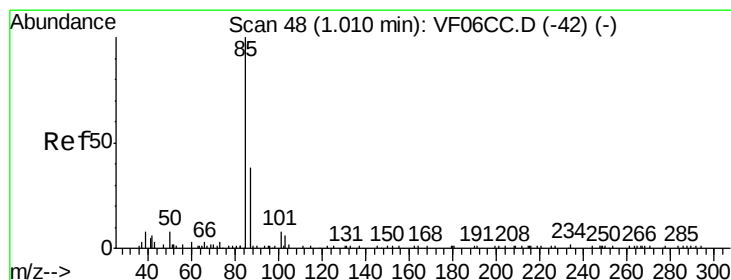
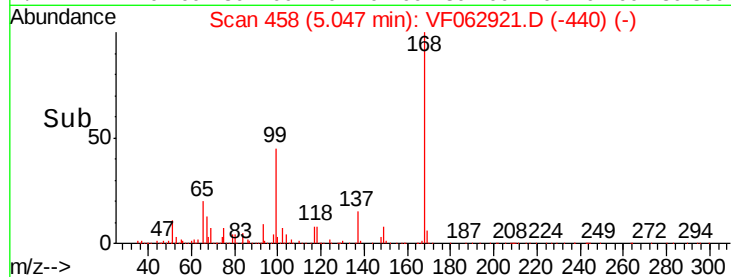
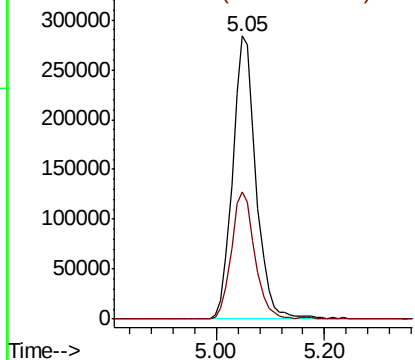
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. -0.03 min
 Lab File: VF062921.D
 Acq: 12 Jun 2019 12:11

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:168 Resp: 856987
 Ion Ratio Lower Upper
 168 100
 99 45.0 39.1 58.7



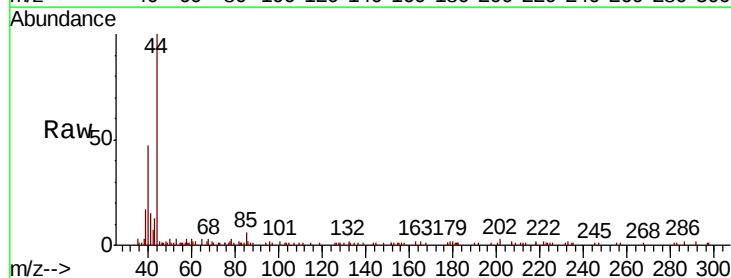
Abundance Ion 168.00 (167.70 to 168.70): VF0
 Ion 99.00 (98.70 to 99.70): VF0



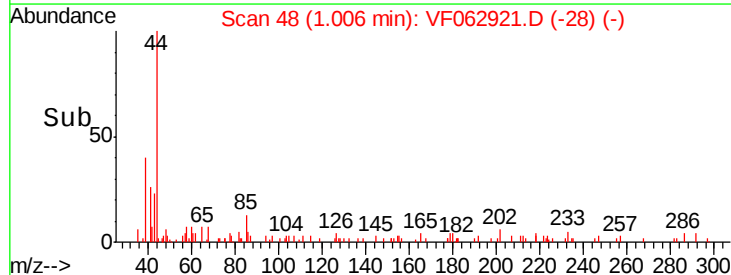
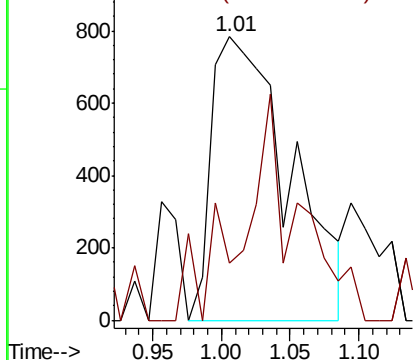
#2

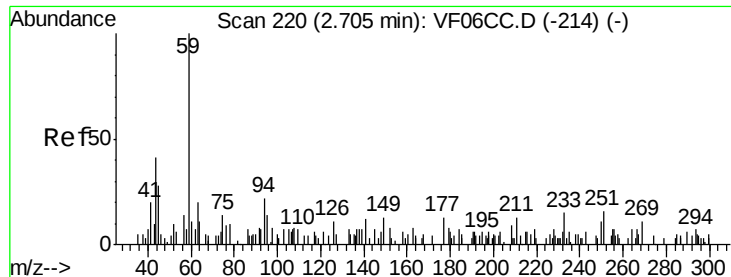
Dichlorodifluoromethane
 Concen: Below Cal
 RT: 1.01 min Scan# 48
 Delta R.T. -0.01 min
 Lab File: VF062921.D
 Acq: 12 Jun 2019 12:11

Tgt Ion: 85 Resp: 3079
 Ion Ratio Lower Upper
 85 100
 87 20.3 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0

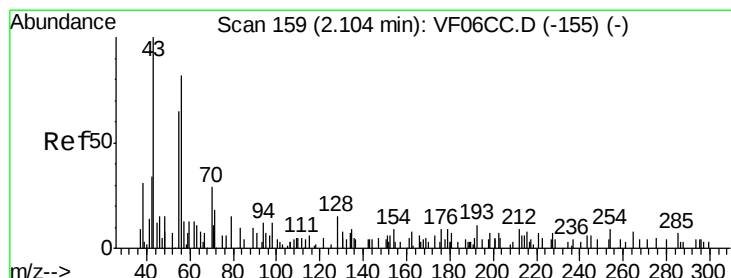
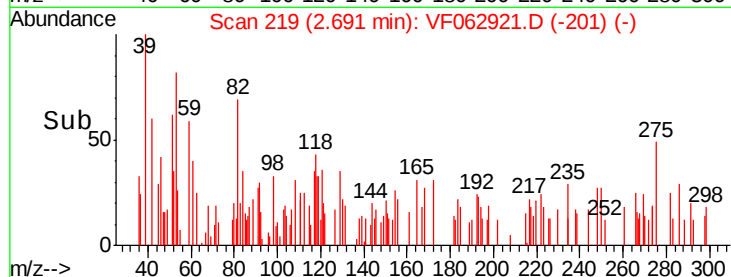
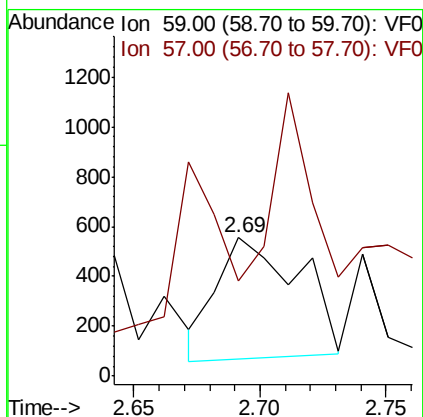
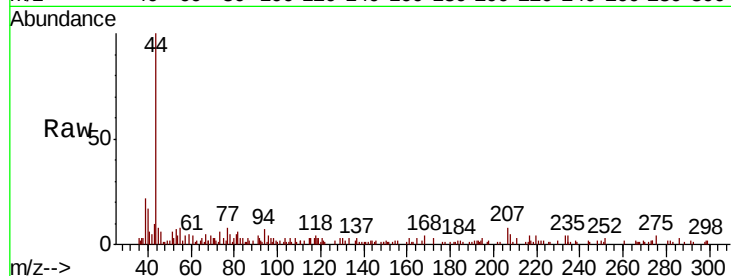




#11
Tert butvl alcohol
Concen: 3.072 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.03 min
Lab File: VF062921.D
Acq: 12 Jun 2019 12:11

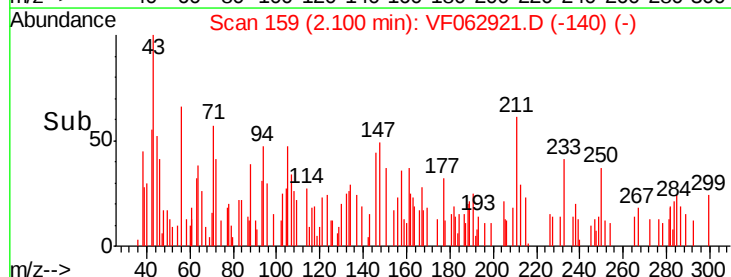
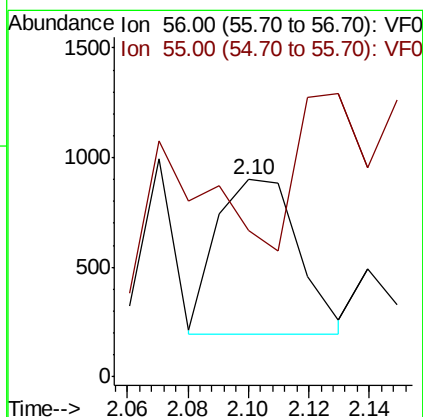
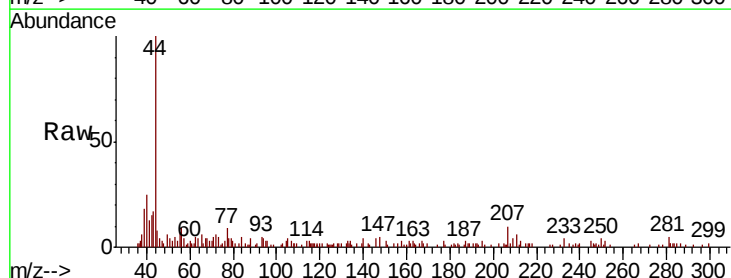
Instrument :
MSVOA_F
ClientSampleId :

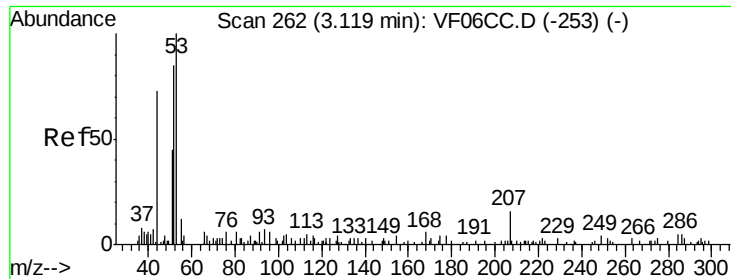
Tot Ion: 59 Resp: 1103
Ion Ratio Lower Upper
59 100
57 68.9 9.2 13.8#



#13
Acrolein
Concen: 1.172 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062921.D
Acq: 12 Jun 2019 12:11

Tgt Ion: 56 Resp: 1336
Ion Ratio Lower Upper
56 100
55 74.1 52.9 79.3

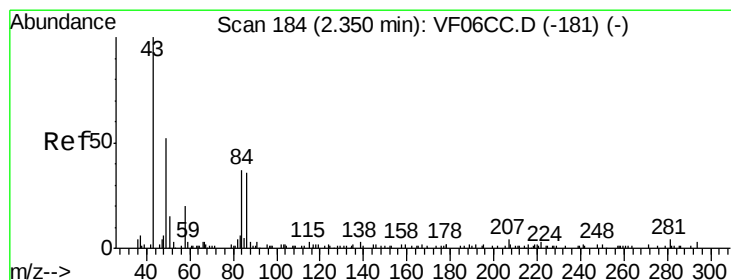
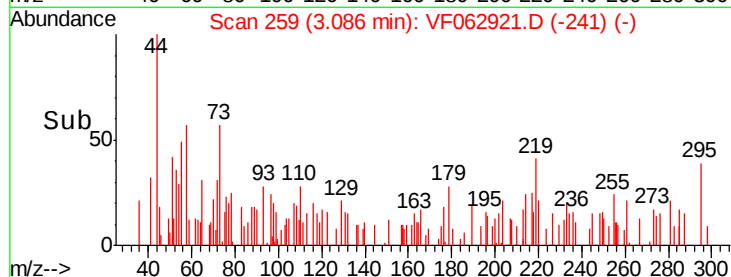
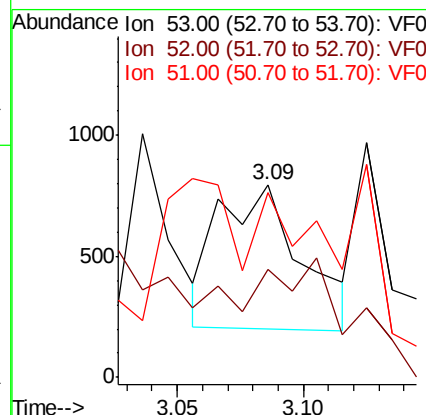
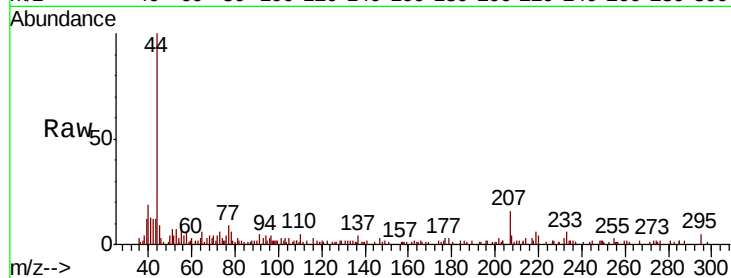




#15
Acrylonitrile
Concen: 1.000 ug/l
RT: 3.09 min Scan# 259
Delta R.T. -0.03 min
Lab File: VF062921.D
Acq: 12 Jun 2019 12:11

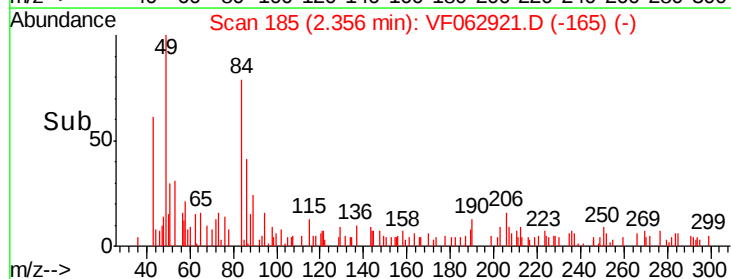
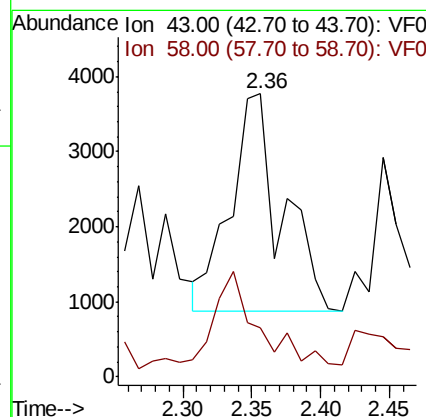
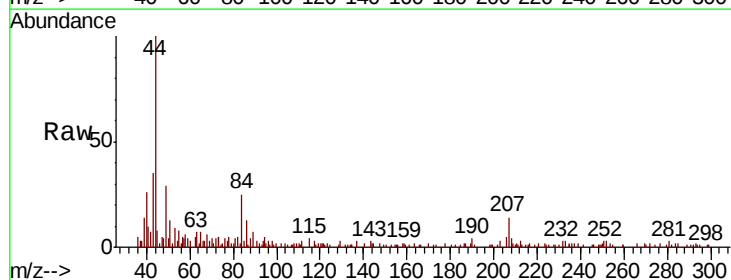
Instrument :
MSVOA_F
ClientSampled :

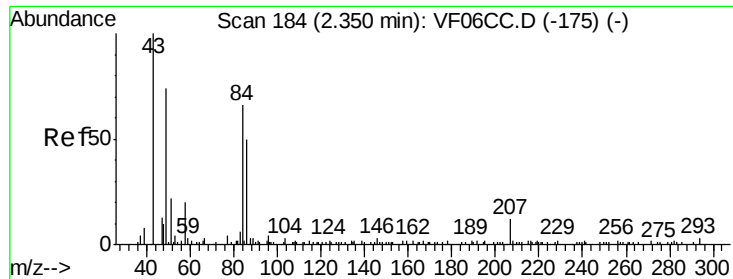
Tot Ion: 53 Resp: 1349
Ion Ratio Lower Upper
53 100
52 56.2 68.1 102.1#
51 96.1 27.7 41.5#



#16
Acetone
Concen: 5.497 ug/l
RT: 2.36 min Scan# 185
Delta R.T. -0.01 min
Lab File: VF062921.D
Acq: 12 Jun 2019 12:11

Tgt Ion: 43 Resp: 7456
Ion Ratio Lower Upper
43 100
58 17.6 19.0 28.4#

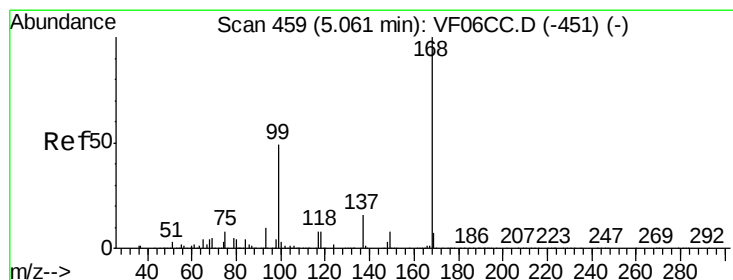
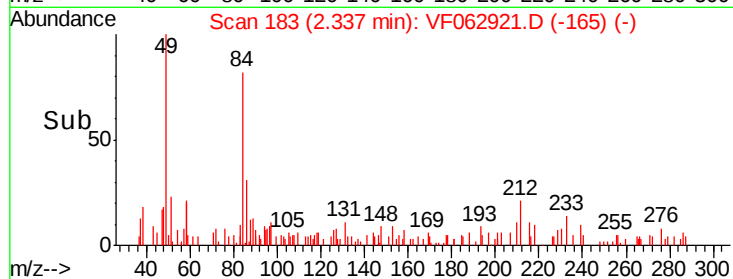
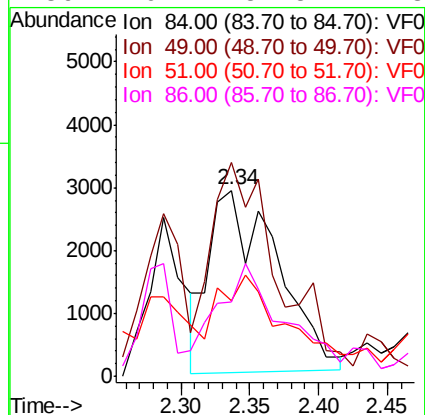
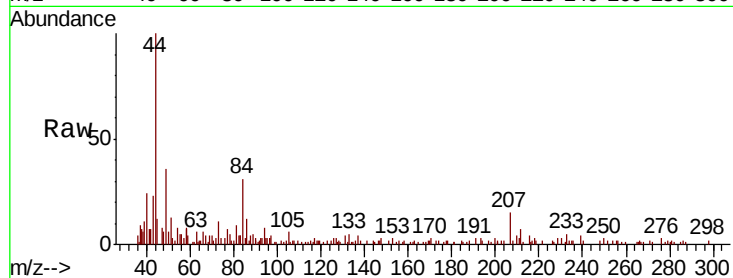




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.34 min Scan# 183
Delta R.T. -0.03 min
Lab File: VF062921.D
Acq: 12 Jun 2019 12:11

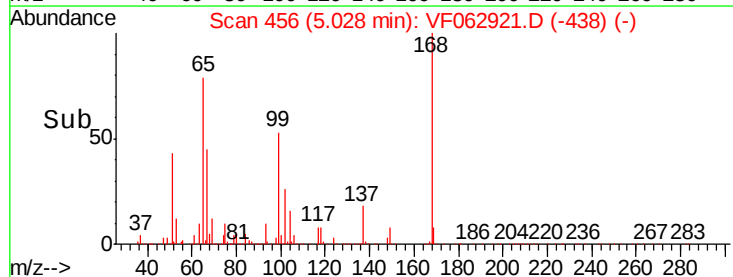
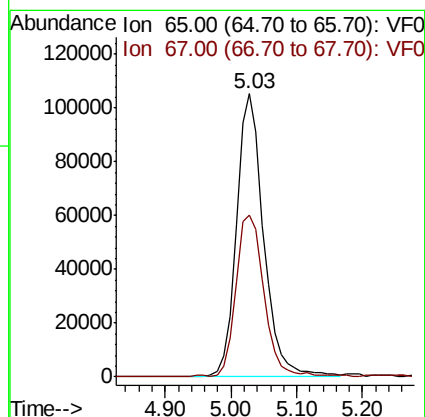
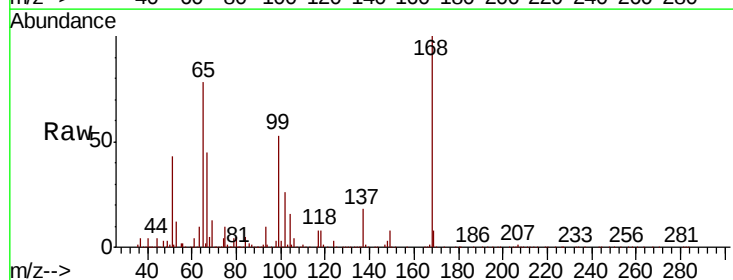
Instrument :
MSVOA_F
ClientSampleId :

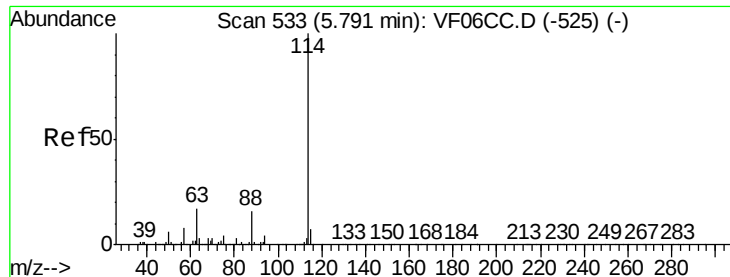
Tot Ion: 84 Resp: 9975
Ion Ratio Lower Upper
84 100
49 114.7 82.6 123.8
51 40.3 25.0 37.4#
86 40.1 51.5 77.3#



#33
1,2-Dichloroethane-d4
Concen: 51.436 ug/l
RT: 5.03 min Scan# 456
Delta R.T. -0.03 min
Lab File: VF062921.D
Acq: 12 Jun 2019 12:11

Tgt Ion: 65 Resp: 304817
Ion Ratio Lower Upper
65 100
67 57.3 0.0 121.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.04 min

Lab File: VF062921.D

Acq: 12 Jun 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

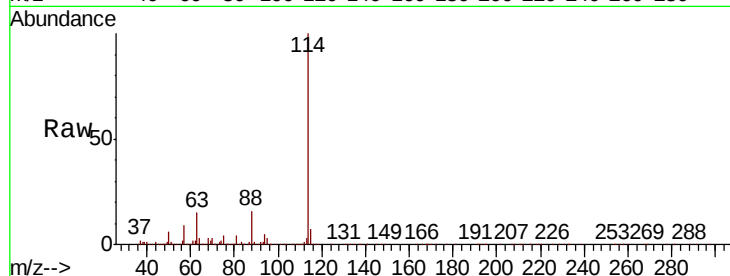
Tot Ion:114 Resp: 1565271

Ion Ratio Lower Upper

114 100

63 15.2 0.0 34.2

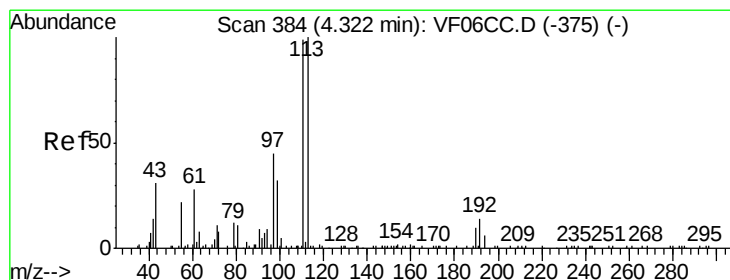
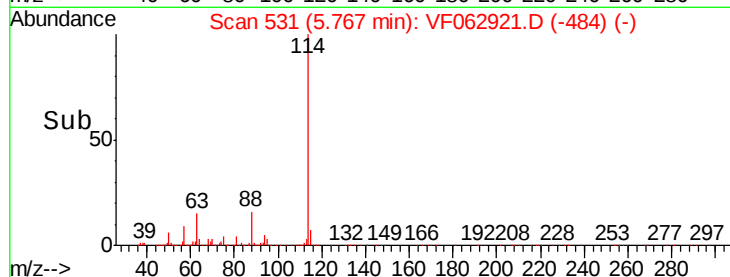
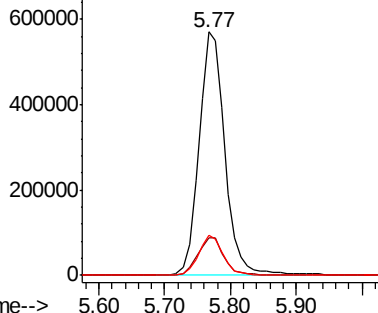
88 16.3 0.0 31.2



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: 46.239 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.04 min

Lab File: VF062921.D

Acq: 12 Jun 2019 12:11

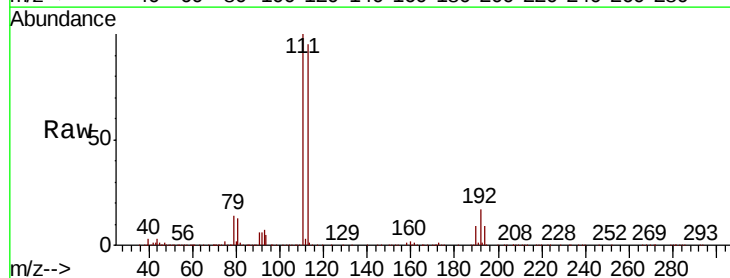
Tgt Ion:113 Resp: 546919

Ion Ratio Lower Upper

113 100

111 105.6 81.9 122.9

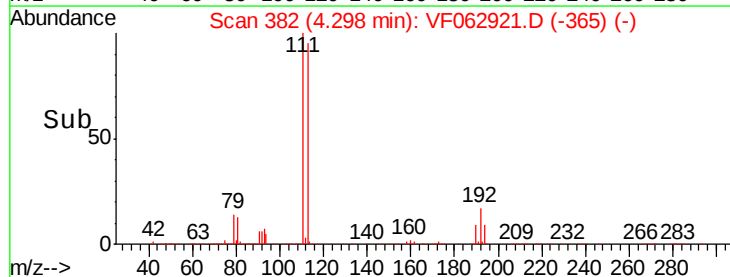
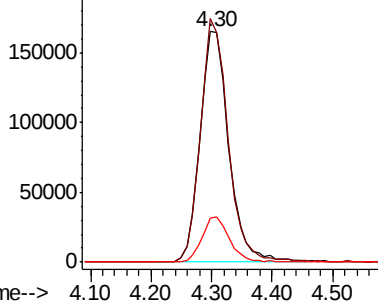
192 19.1 15.1 22.7

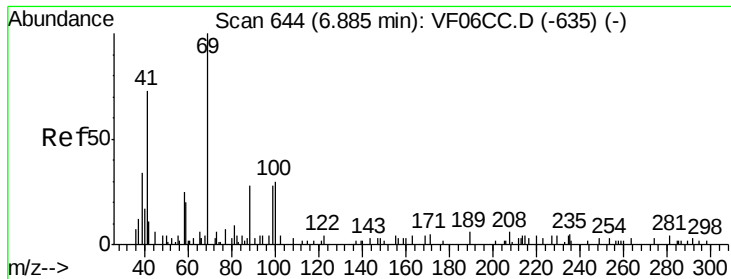


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 2.670 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.04 min

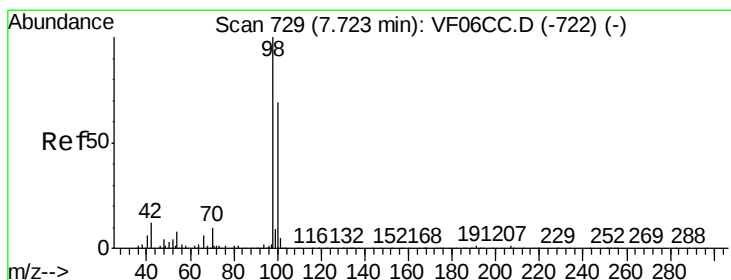
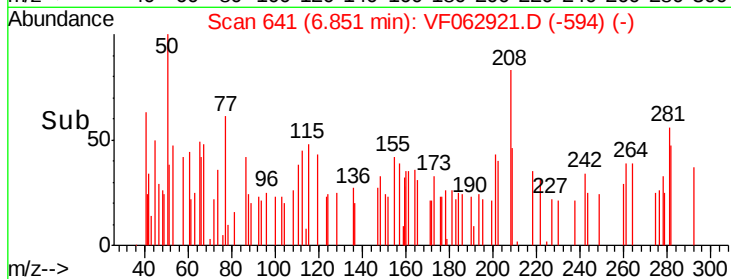
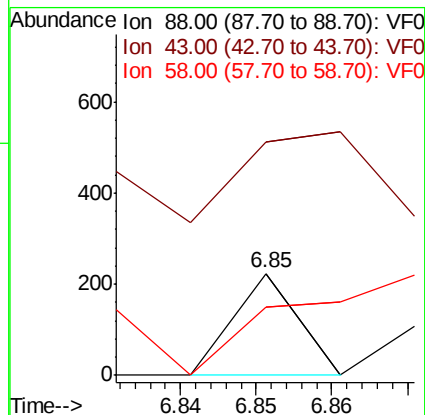
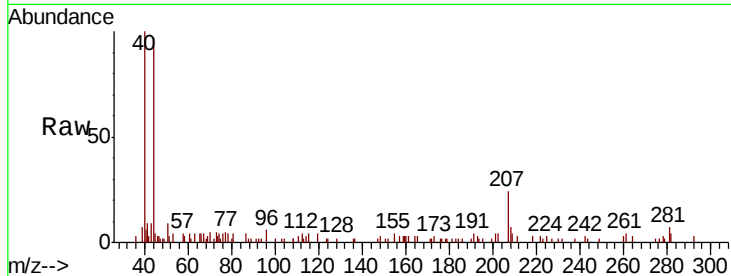
Lab File: VF062921.D

Acq: 12 Jun 2019 12:11

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 132

Ion	Ratio	Lower	Upper
88	100		
43	228.1	34.8	52.2#
58	67.4	59.9	89.9



#50

Toluene-d8

Concen: 45.056 ug/l

RT: 7.70 min Scan# 727

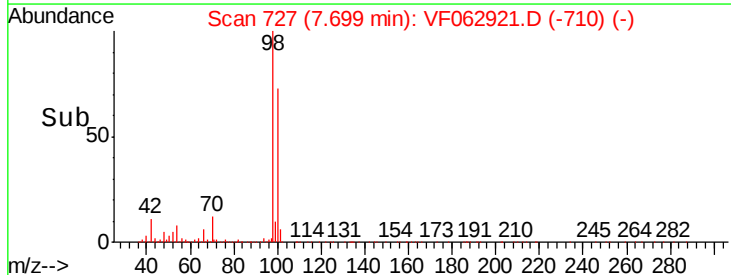
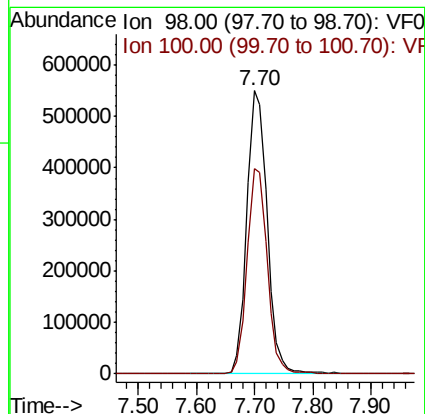
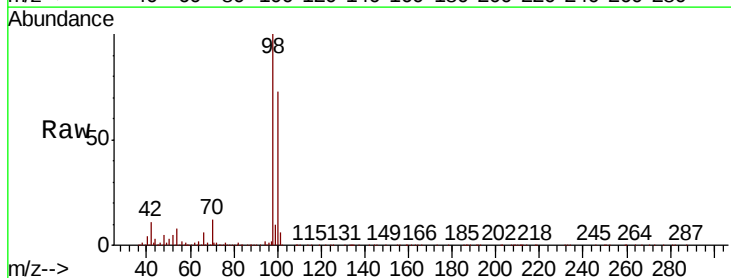
Delta R.T. -0.04 min

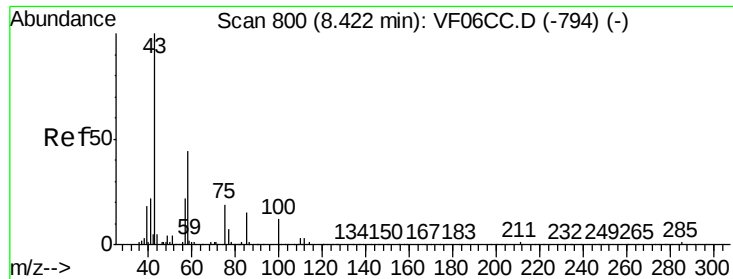
Lab File: VF062921.D

Acq: 12 Jun 2019 12:11

Tgt Ion: 98 Resp: 1347642

Ion	Ratio	Lower	Upper
98	100		
100	72.6	59.8	89.8





#51

4-Methyl-2-Pentanone

Concen: 1.609 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF062921.D

Acq: 12 Jun 2019 12:11

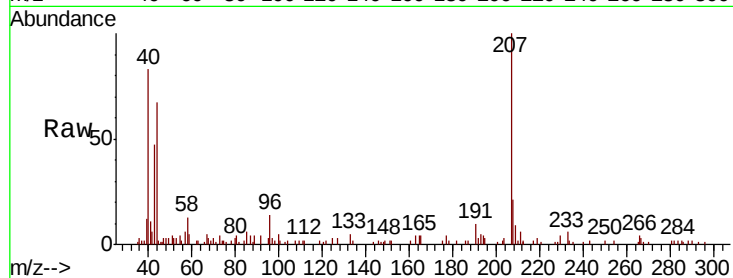
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 8360

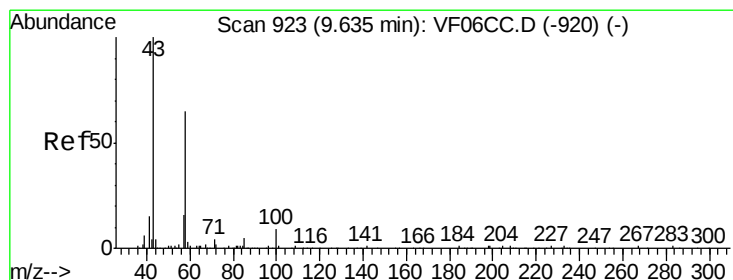
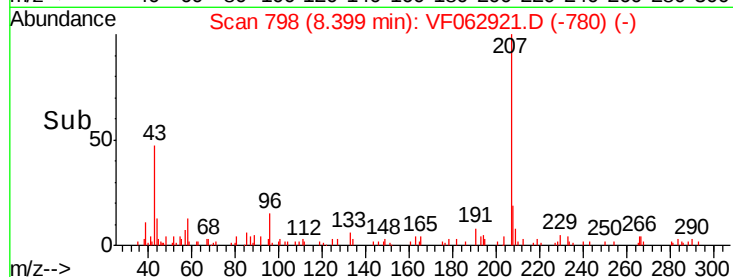
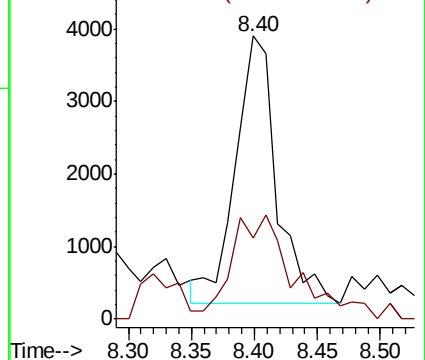
Ion Ratio Lower Upper

43 100

58 28.7 35.5 53.3#



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



#59

2-Hexanone

Concen: 2.387 ug/l

RT: 9.62 min Scan# 922

Delta R.T. -0.02 min

Lab File: VF062921.D

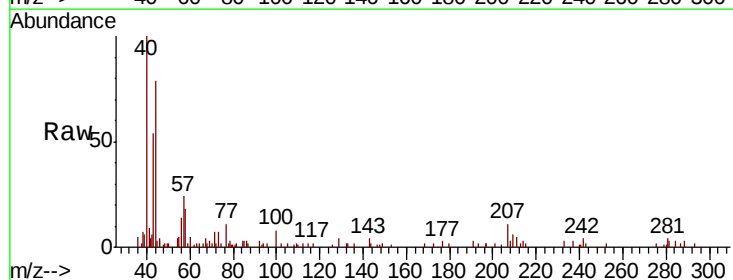
Acq: 12 Jun 2019 12:11

Tgt Ion: 43 Resp: 8838

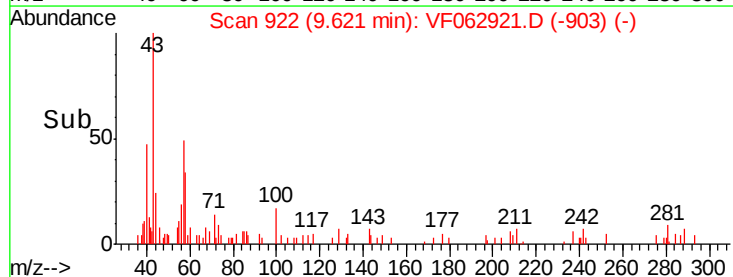
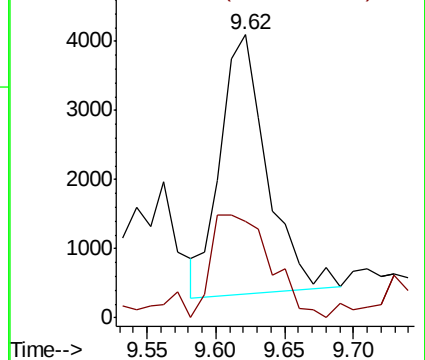
Ion Ratio Lower Upper

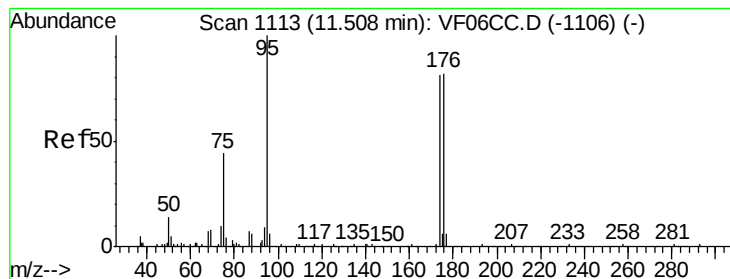
43 100

58 33.9 29.3 87.9



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





#62

4-Bromofluorobenzene

Concen: 43.848 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF062921.D

Acq: 12 Jun 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

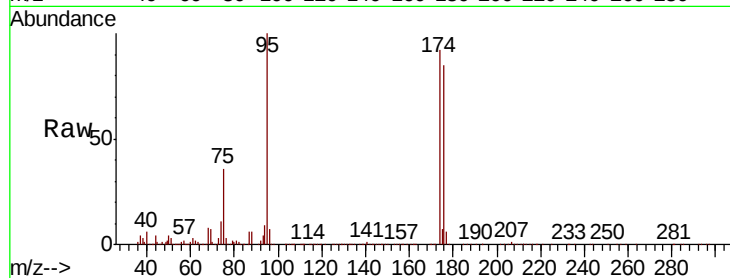
Tot Ion: 95 Resp: 471769

Ion Ratio Lower Upper

95 100

174 91.6 0.0 170.6

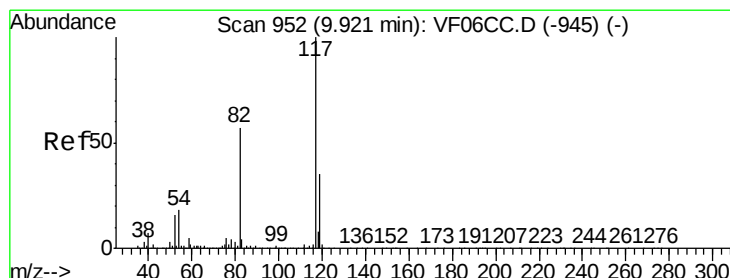
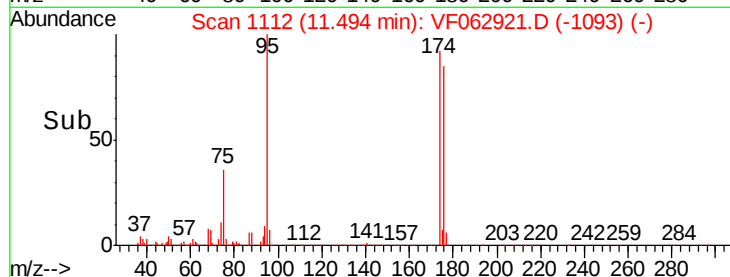
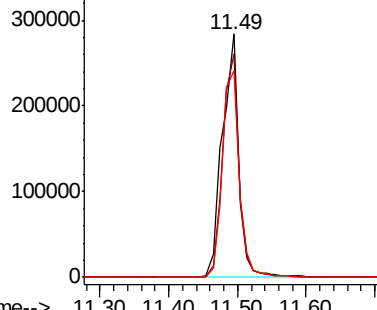
176 84.8 0.0 170.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 950

Delta R.T. -0.04 min

Lab File: VF062921.D

Acq: 12 Jun 2019 12:11

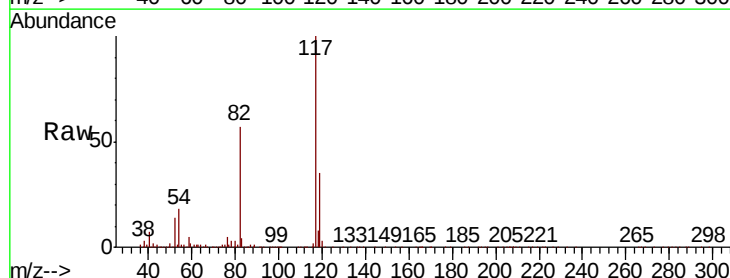
Tgt Ion: 117 Resp: 1101875

Ion Ratio Lower Upper

117 100

82 56.9 42.4 63.6

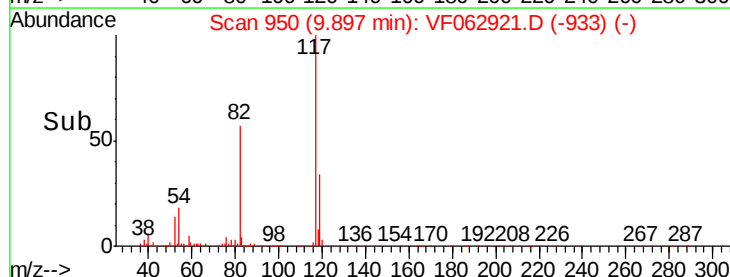
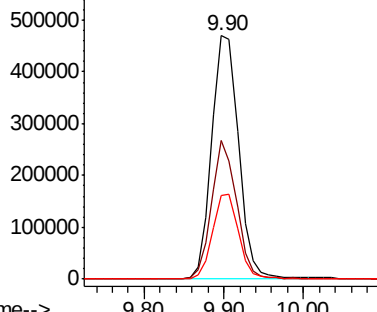
119 34.6 27.1 40.7

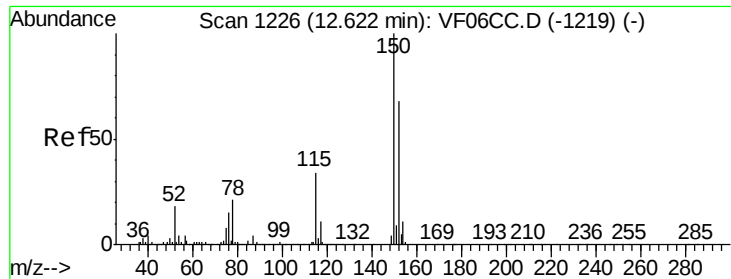


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VF062921.D

Acq: 12 Jun 2019 12:11

Instrument :

MSVOA_F

ClientSampleId :

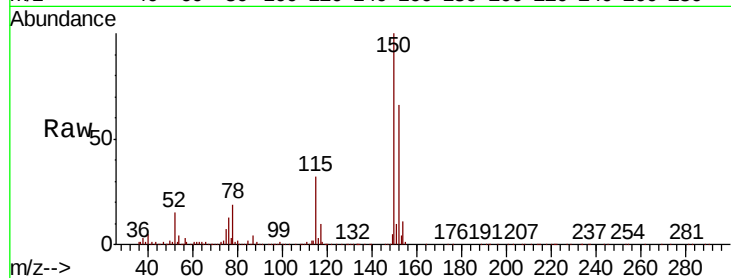
Tot Ion:152 Resp: 558932

Ion Ratio Lower Upper

152 100

115 48.5 24.6 74.0

150 151.7 0.0 290.6



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

