

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060719\
 Data File : VF062901.D
 Acq On : 7 Jun 2019 16:43
 Operator : FY/SY
 Sample : K3163-07RE
 Misc : 6.27g/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 08 00:40:38 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	5.07	168	739785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1240043	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	831360	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	295069	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	209019	40.86	ug/l	-0.02
Spiked Amount			Recovery	=	81.72%	
35) Dibromofluoromethane	4.32	113	389412	41.56	ug/l	-0.02
Spiked Amount			Recovery	=	83.12%	
50) Toluene-d8	7.72	98	721265	30.44	ug/l	-0.02
Spiked Amount			Recovery	=	60.88%	
62) 4-Bromofluorobenzene	11.49	95	231117	27.12	ug/l	-0.02
Spiked Amount			Recovery	=	54.24%	

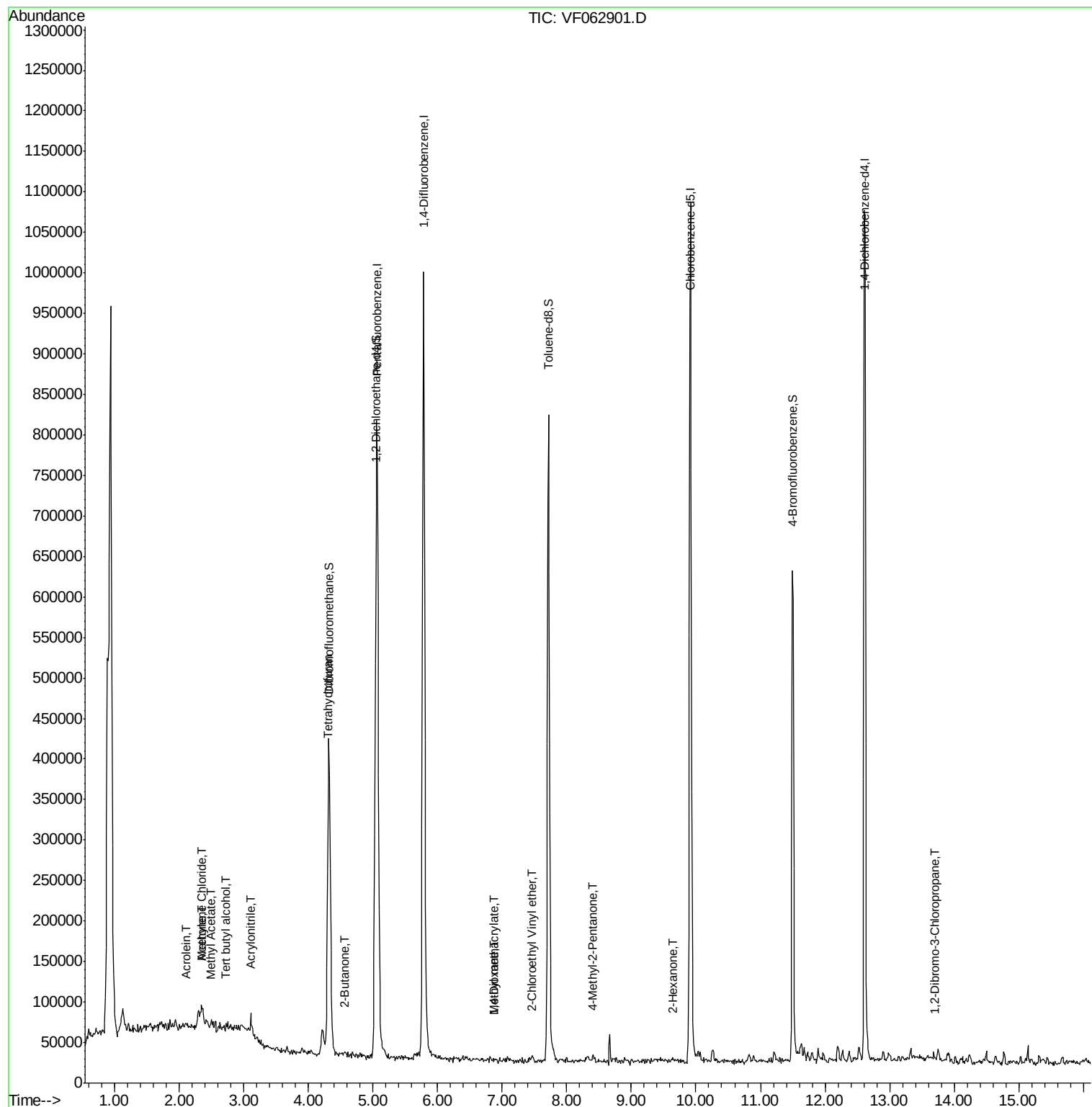
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	3665	Below Cal		90
11) Tert butyl alcohol	2.71	59	852	2.749	ug/l #	42
13) Acrolein	2.10	56	1363	2.923	ug/l	86
15) Acrylonitrile	3.11	53	1896	1.628	ug/l #	70
16) Acetone	2.36	43	8842	7.552	ug/l #	89
18) Methyl Acetate	2.48	43	3233	1.580	ug/l #	81
20) Methylene Chloride	2.35	84	23926	1.164	ug/l #	90
25) 2-Butanone	4.56	43	6112	2.242	ug/l #	88
29) Tetrahydrofuran	4.30	42	2044	1.960	ug/l #	8
48) Methyl methacrylate	6.88	41	3122	1.051	ug/l #	46
49) 1,4-Dioxane	6.88	88	239	6.103	ug/l #	1
51) 4-Methyl-2-Pentanone	8.41	43	7855	1.909	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.45	63	3977	1.984	ug/l #	74
59) 2-Hexanone	9.64	43	5406	1.843	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	1007	2.102	ug/l #	1

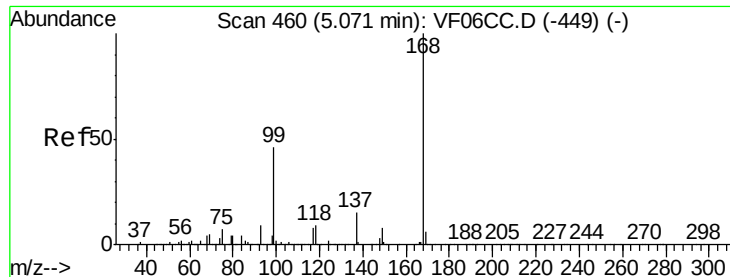
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060719\
Data File : VF062901.D
Acq On : 7 Jun 2019 16:43
Operator : FY/SY
Sample : K3163-07RE
Misc : 6.27q/5mL/MSVOA F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jun 08 00:40:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.01 min

Lab File: VF062901.D

Acq: 7 Jun 2019 16:43

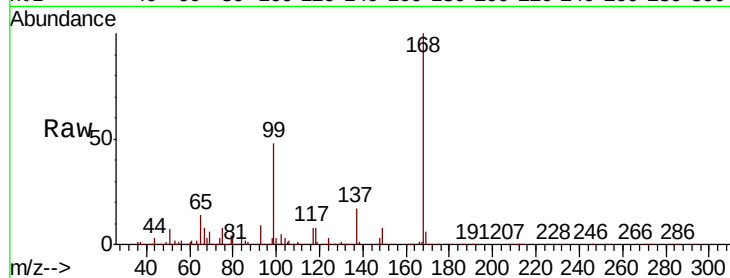
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 739785

Ion Ratio Lower Upper

168 100

99 47.6 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

250000

200000

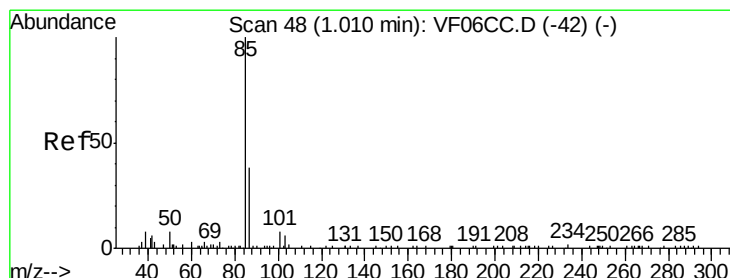
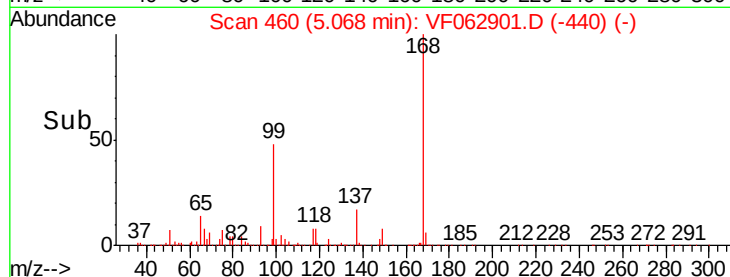
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062901.D

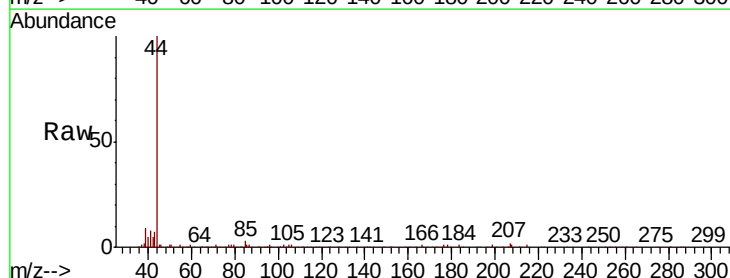
Acq: 7 Jun 2019 16:43

Tgt Ion: 85 Resp: 3665

Ion Ratio Lower Upper

85 100

87 29.7 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

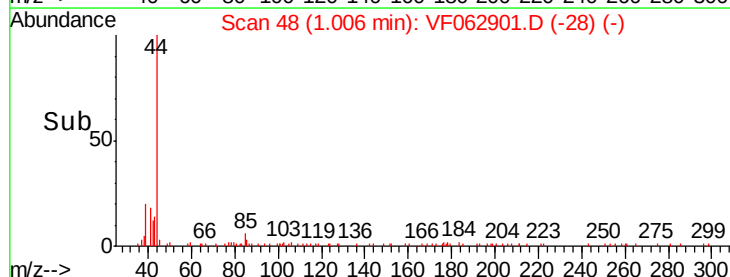
1500

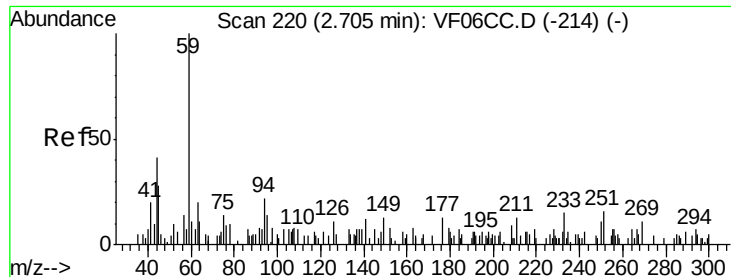
1000

500

0

Time--> 0.95 1.00 1.05 1.10



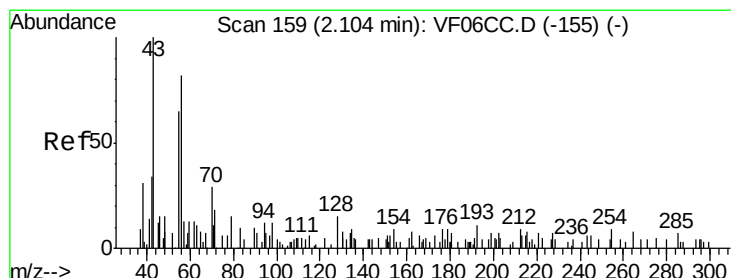
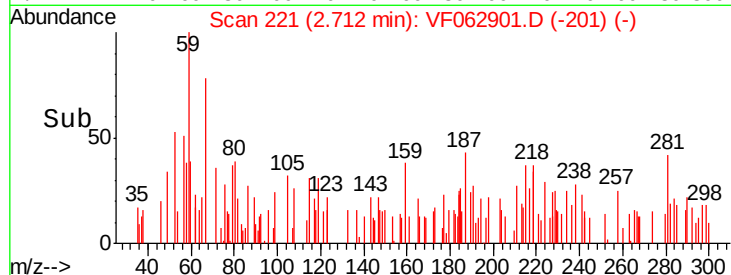
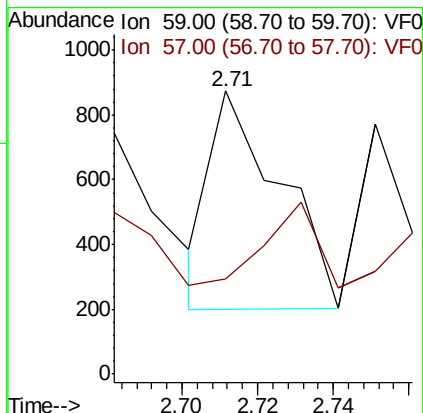
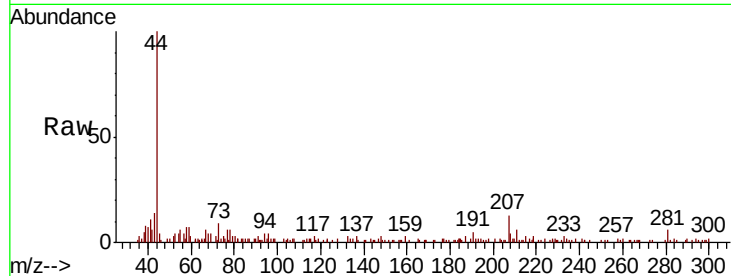


#11

Tert butyl alcohol
Concen: 2.749 ug/l
RT: 2.71 min Scan# 221
Delta R.T. -0.01 min
Lab File: VF062901.D
Acq: 7 Jun 2019 16:43

Instrument :
MSVOA_F
ClientSampleId :

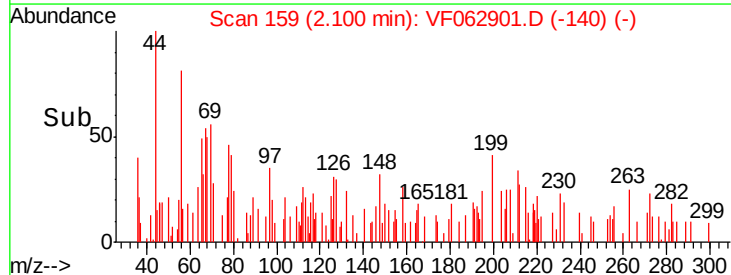
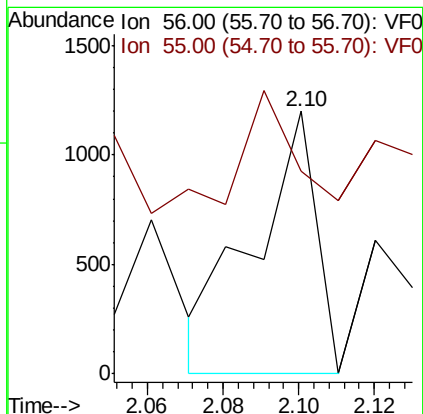
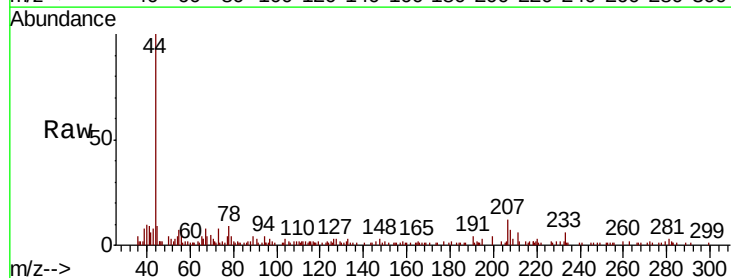
Tot Ion: 59 Resp: 852
Ion Ratio Lower Upper
59 100
57 33.7 9.2 13.8#

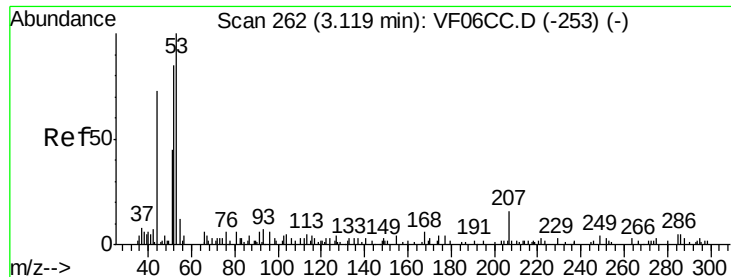


#13

Acrolein
Concen: 2.923 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062901.D
Acq: 7 Jun 2019 16:43

Tgt Ion: 56 Resp: 1363
Ion Ratio Lower Upper
56 100
55 77.4 52.9 79.3





#15

Acrylonitrile

Concen: 1.628 ug/l

RT: 3.11 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF062901.D

Acq: 7 Jun 2019 16:43

Instrument :
MSVOA_F
ClientSampleId :

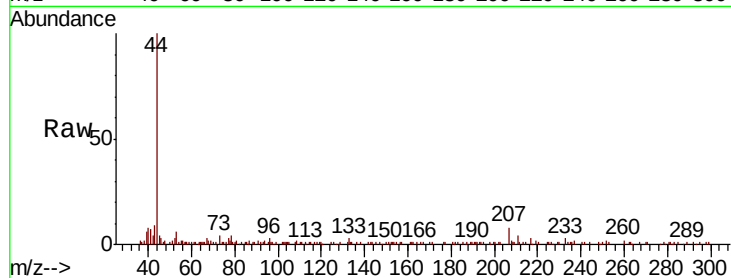
Tot Ion: 53 Resp: 1896

Ion Ratio Lower Upper

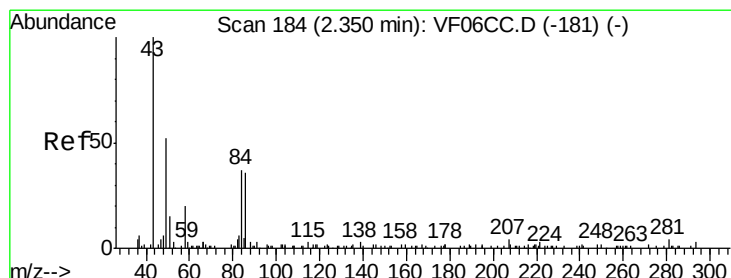
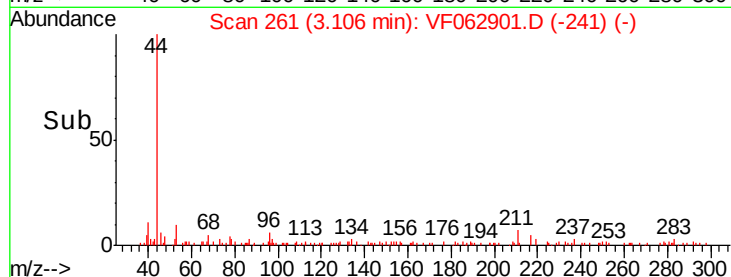
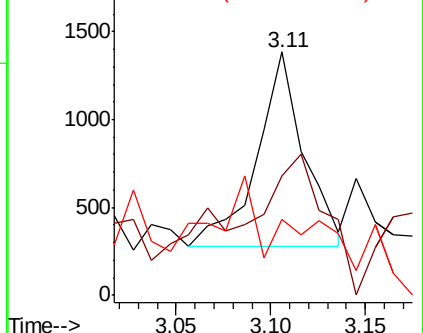
53 100

52 49.1 68.1 102.1#

51 31.4 27.7 41.5



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: 7.552 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.01 min

Lab File: VF062901.D

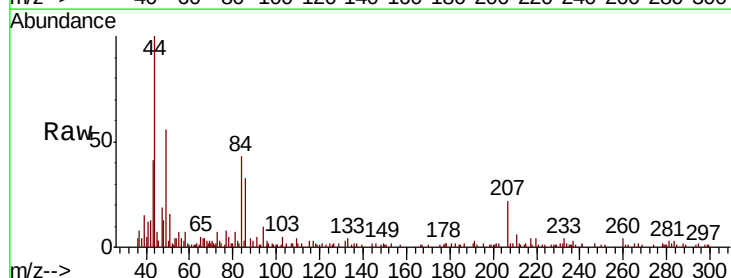
Acq: 7 Jun 2019 16:43

Tgt Ion: 43 Resp: 8842

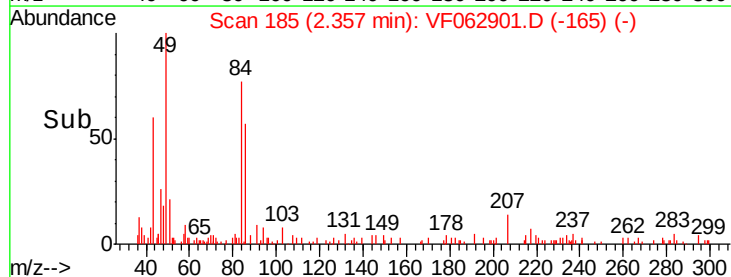
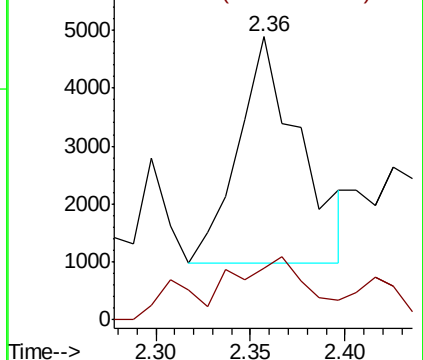
Ion Ratio Lower Upper

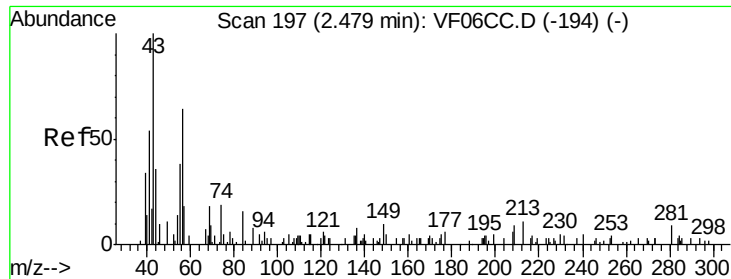
43 100

58 18.1 19.0 28.4#



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

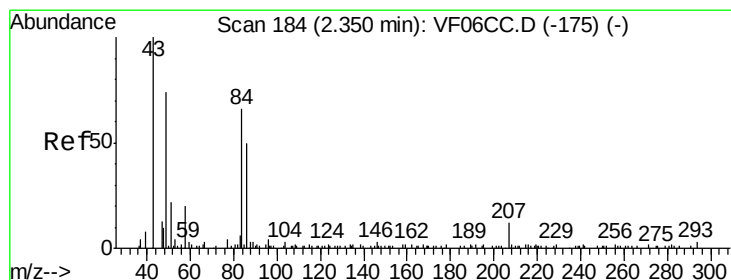
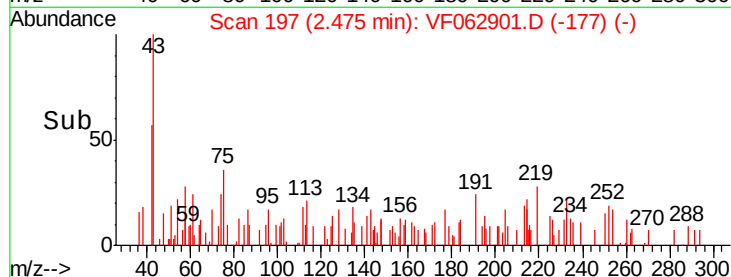
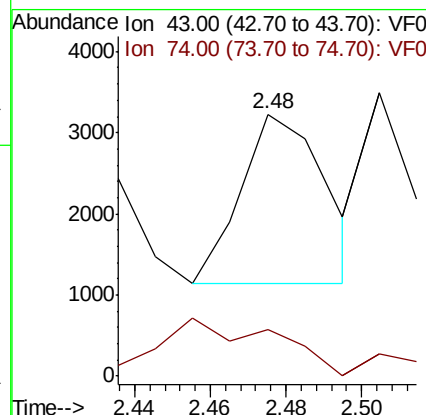
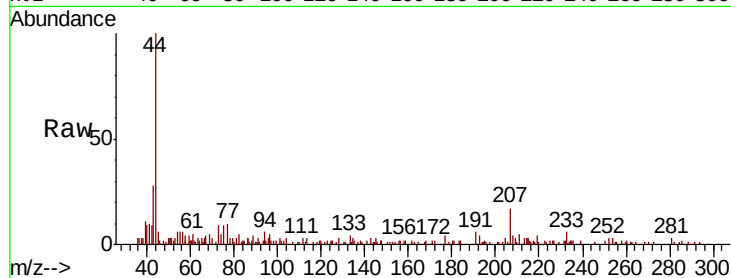




#18
Methyl Acetate
Concen: 1.580 ug/l
RT: 2.48 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF062901.D
Acq: 7 Jun 2019 16:43

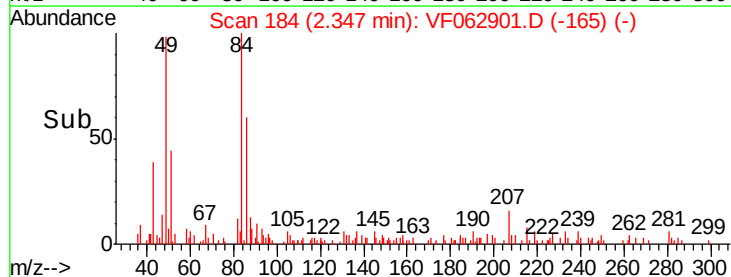
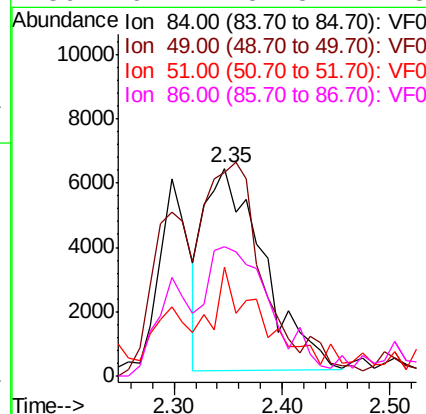
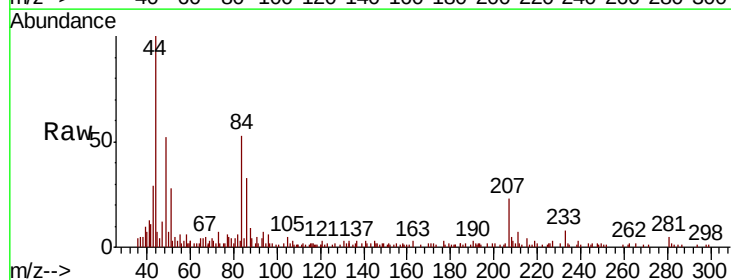
Instrument :
MSVOA_F
ClientSampled :

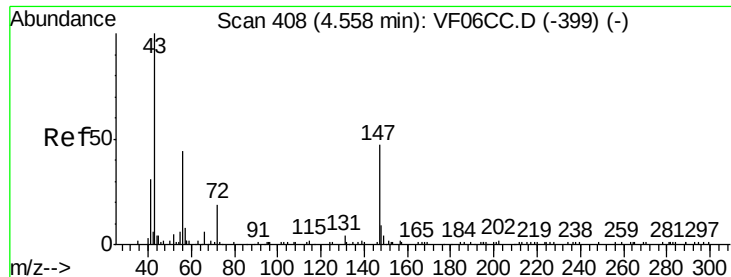
Tot Ion: 43 Resp: 3233
Ion Ratio Lower Upper
43 100
74 17.5 22.1 33.1#



#20
Methylene Chloride
Concen: 1.164 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.02 min
Lab File: VF062901.D
Acq: 7 Jun 2019 16:43

Tgt Ion: 84 Resp: 23926
Ion Ratio Lower Upper
84 100
49 98.0 82.6 123.8
51 52.2 25.0 37.4#
86 62.1 51.5 77.3

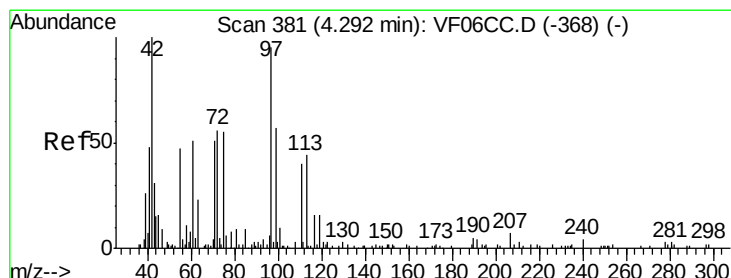
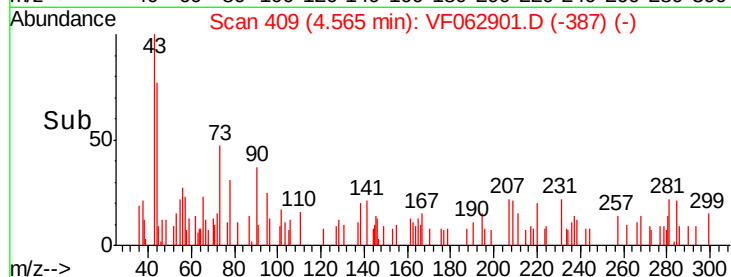
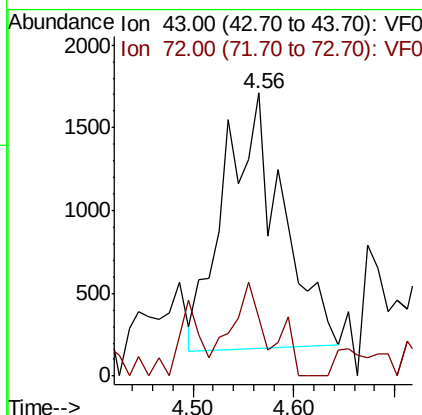
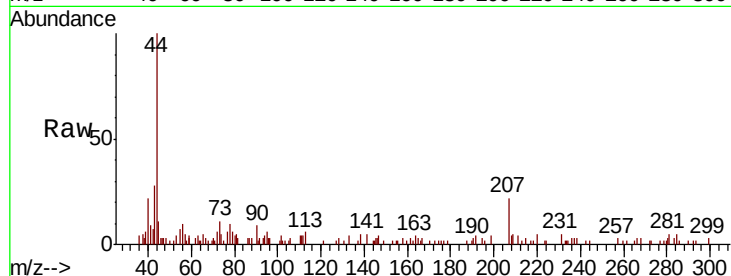




#25
2-Butanone
Concen: 2.242 ug/l
RT: 4.56 min Scan# 409
Delta R.T. 0.01 min
Lab File: VF062901.D
Acq: 7 Jun 2019 16:43

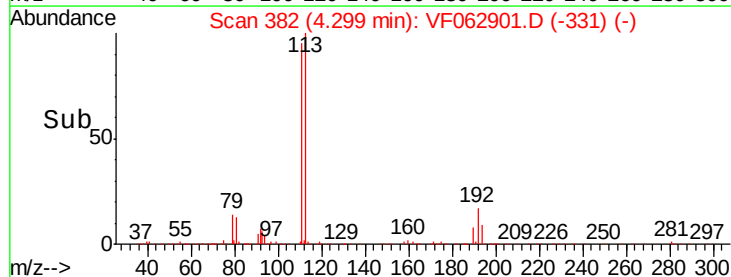
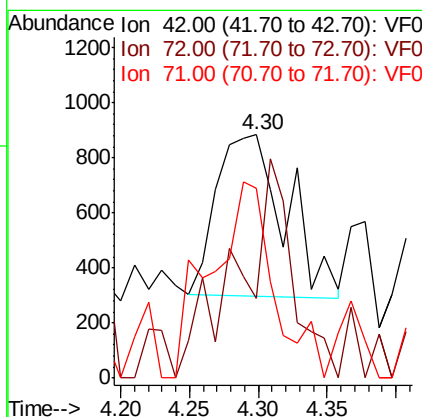
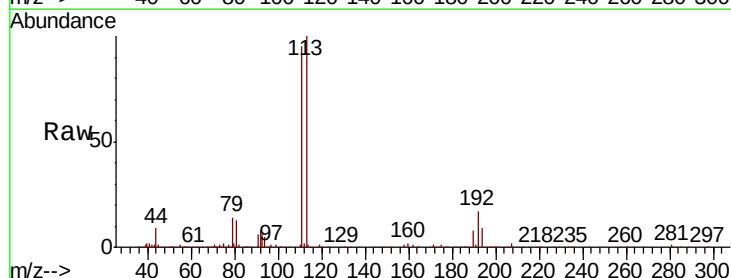
Instrument :
MSVOA_F
ClientSampleId :

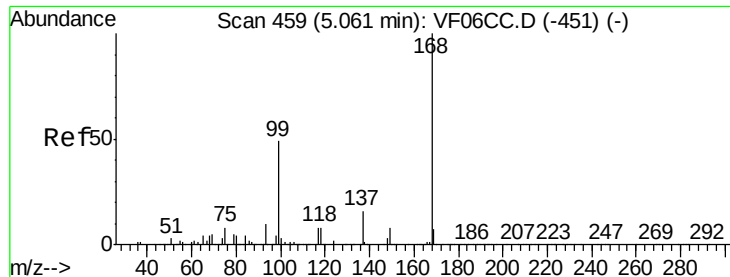
Tot Ion: 43 Resp: 6112
Ion Ratio Lower Upper
43 100
72 20.4 21.4 32.0#



#29
Tetrahydrofuran
Concen: 1.960 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF062901.D
Acq: 7 Jun 2019 16:43

Tgt Ion: 42 Resp: 2044
Ion Ratio Lower Upper
42 100
72 107.5 39.0 58.6#
71 111.4 36.9 55.3#

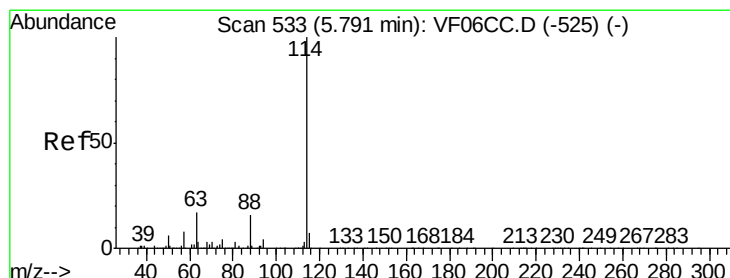
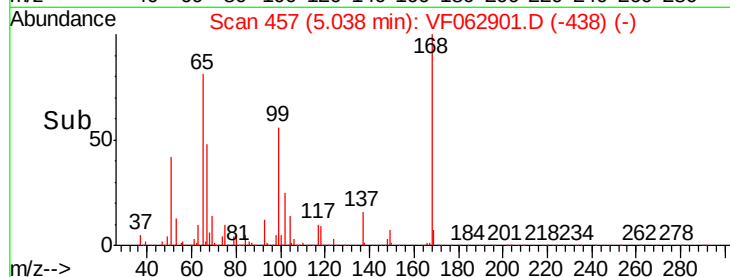
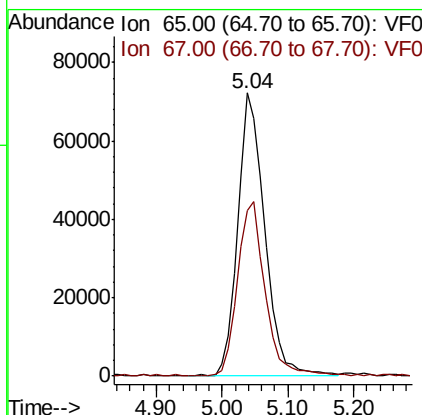
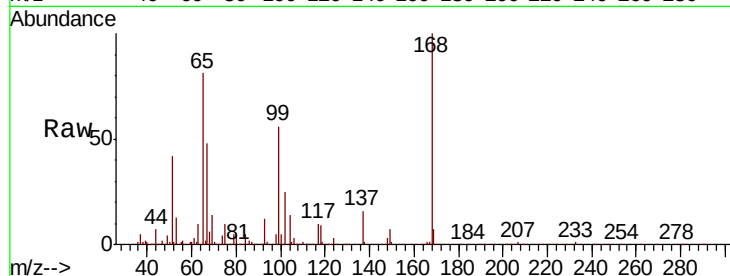




#33
 1,2-Dichloroethane-d4
 Concen: 40.859 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. -0.02 min
 Lab File: VF062901.D
 Acq: 7 Jun 2019 16:43

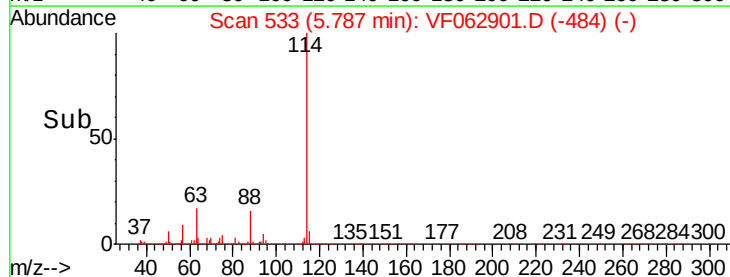
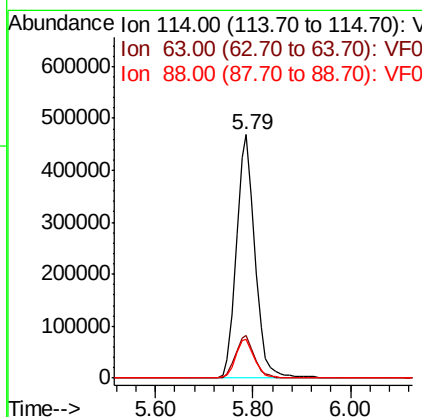
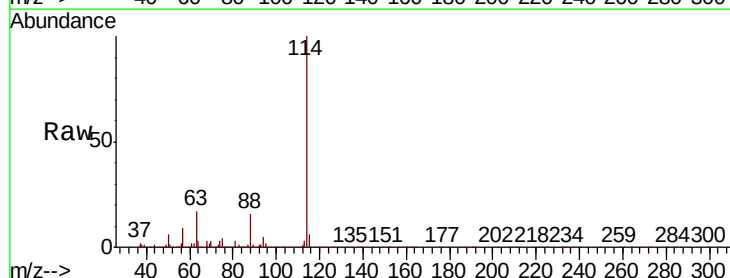
Instrument :
 MSVOA_F
 ClientSampleId :

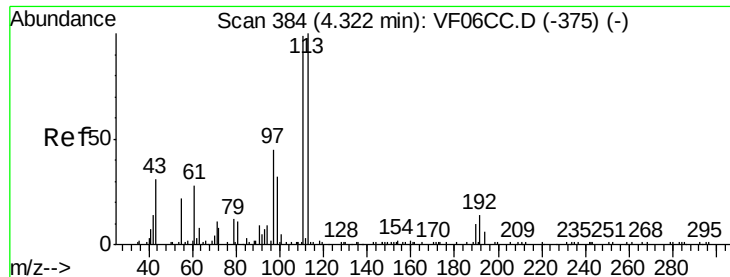
Tot Ion: 65 Resp: 209019
 Ion Ratio Lower Upper
 65 100
 67 58.6 0.0 121.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.02 min
 Lab File: VF062901.D
 Acq: 7 Jun 2019 16:43

Tgt Ion:114 Resp: 1240043
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 34.2
 88 15.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 41.558 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.02 min

Lab File: VF062901.D

Acq: 7 Jun 2019 16:43

Instrument :
MSVOA_F
ClientSampleId :

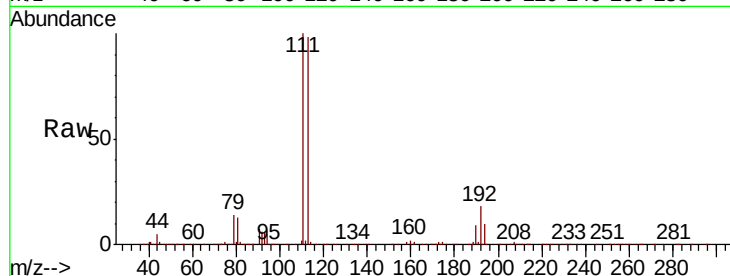
Tot Ion:113 Resp: 389412

Ion Ratio Lower Upper

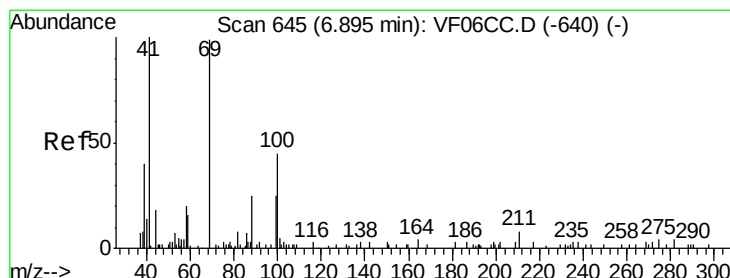
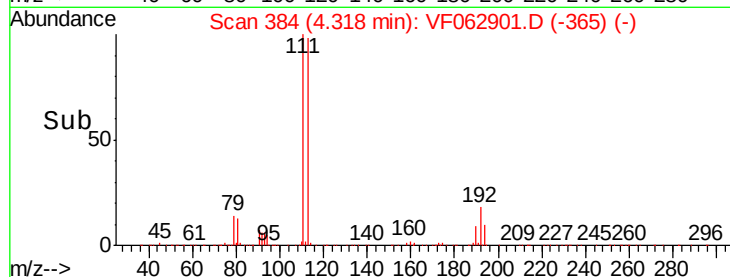
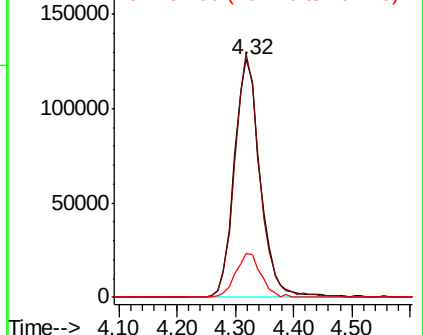
113 100

111 102.3 81.9 122.9

192 18.4 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



#48

Methyl methacrylate

Concen: 1.051 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.02 min

Lab File: VF062901.D

Acq: 7 Jun 2019 16:43

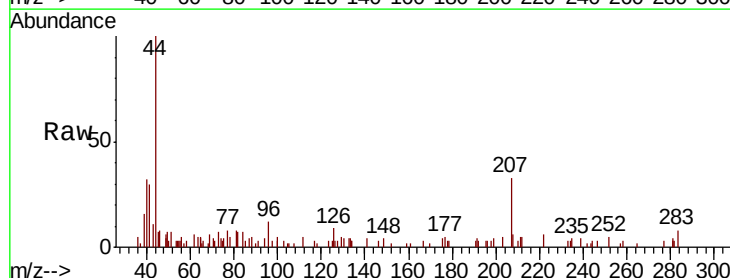
Tgt Ion: 41 Resp: 3122

Ion Ratio Lower Upper

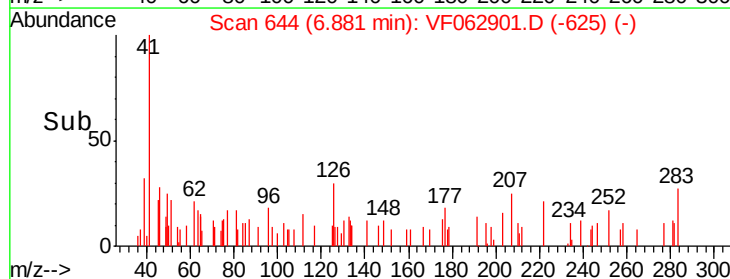
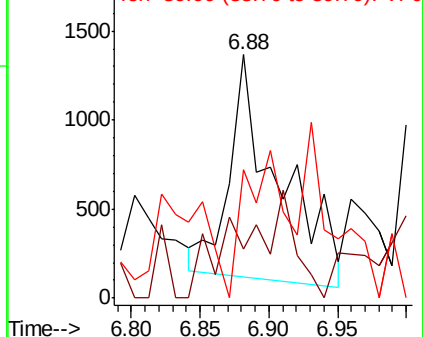
41 100

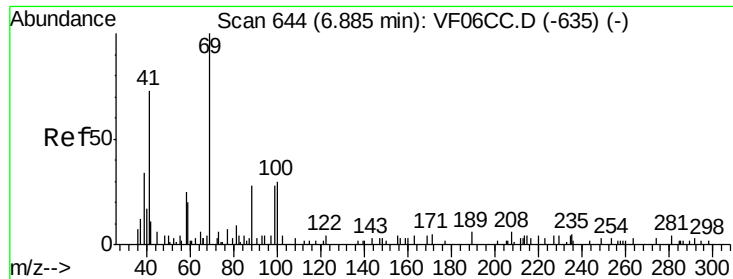
69 20.1 79.4 119.2#

39 52.8 39.8 59.6



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

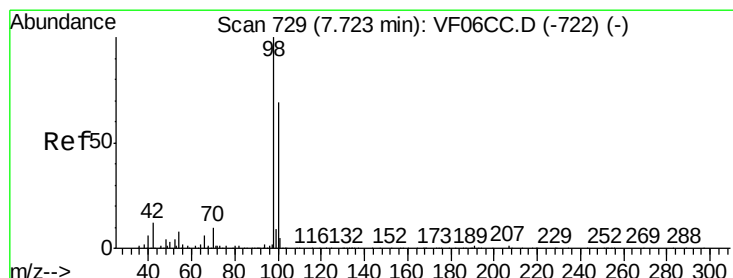
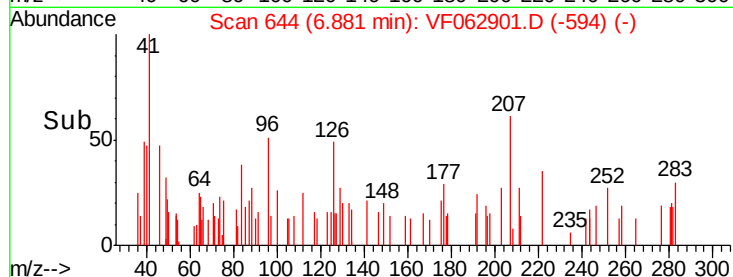
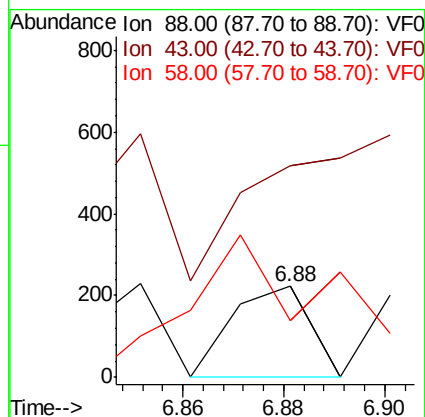
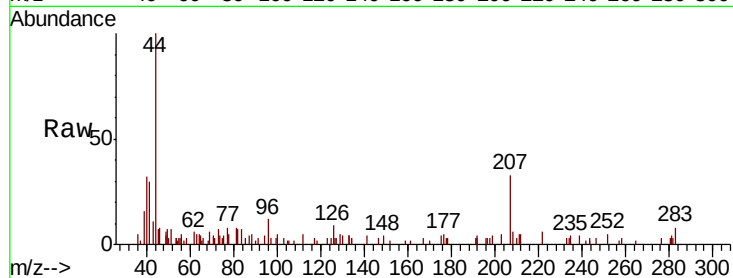




#49
1,4-Dioxane
Concen: 6.103 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.01 min
Lab File: VF062901.D
Acq: 7 Jun 2019 16:43

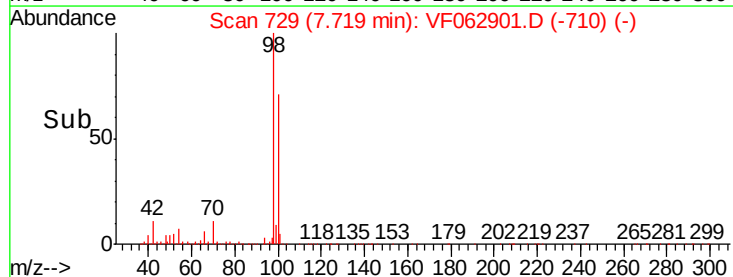
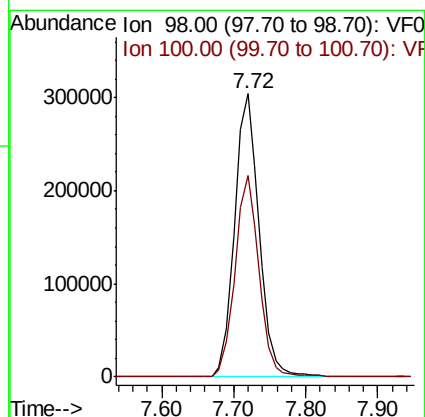
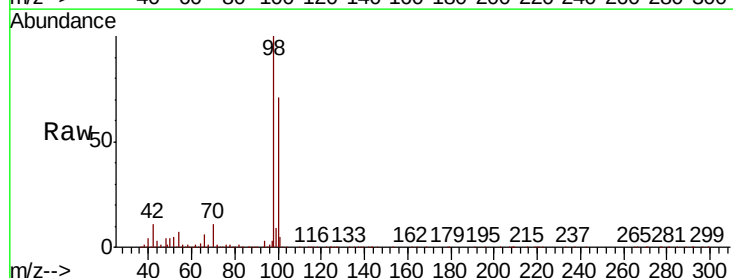
Instrument :
MSVOA_F
ClientSampled :

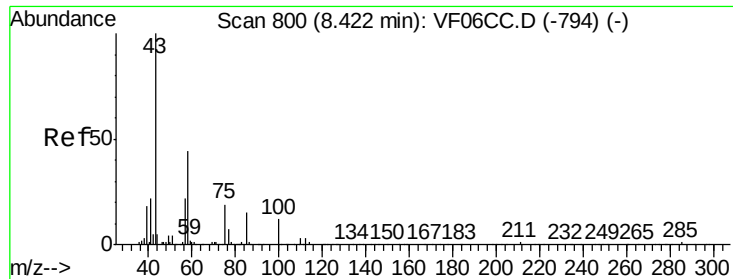
Tot Ion: 88 Resp: 239
Ion Ratio Lower Upper
88 100
43 232.3 34.8 52.2#
58 62.3 59.9 89.9



#50
Toluene-d8
Concen: 30.439 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.02 min
Lab File: VF062901.D
Acq: 7 Jun 2019 16:43

Tgt Ion: 98 Resp: 721265
Ion Ratio Lower Upper
98 100
100 71.1 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 1.909 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF062901.D

Acq: 7 Jun 2019 16:43

Instrument :

MSVOA_F

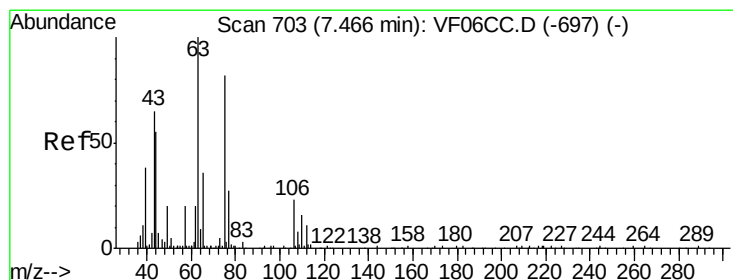
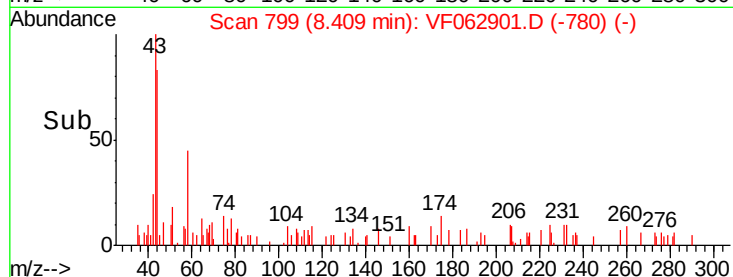
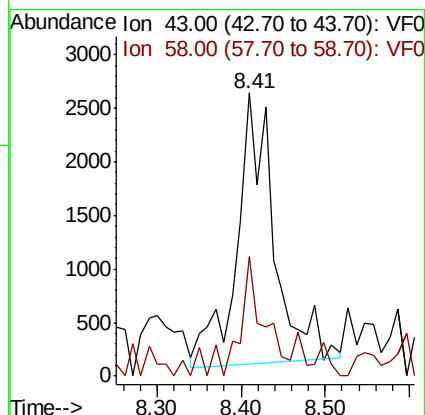
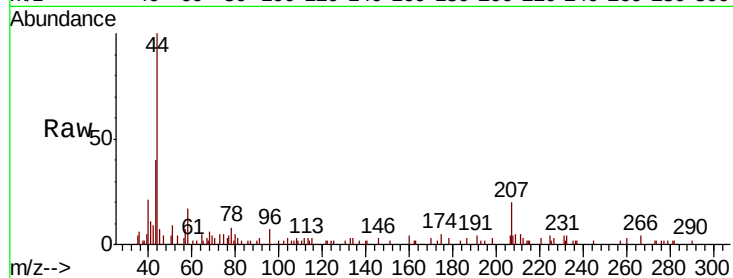
ClientSampleId :

Tot Ion: 43 Resp: 7855

Ion Ratio Lower Upper

43 100

58 42.2 35.5 53.3



#58

2-Chloroethyl Vinyl ether

Concen: 1.984 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF062901.D

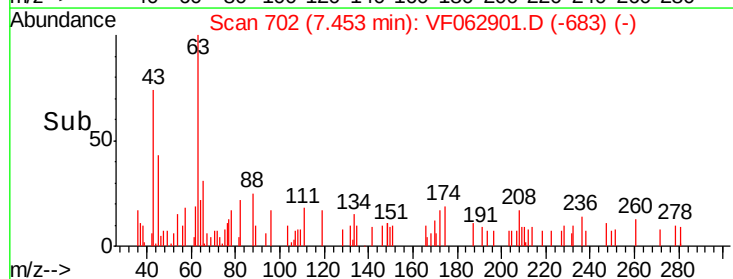
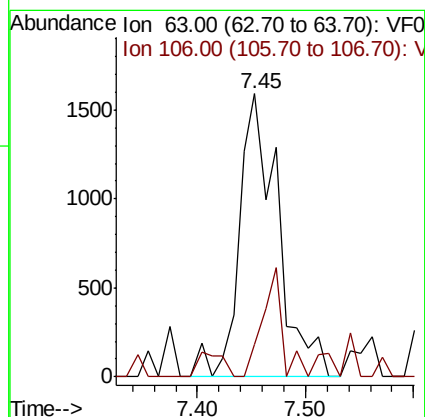
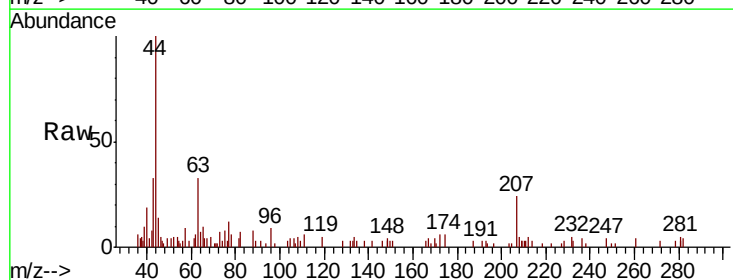
Acq: 7 Jun 2019 16:43

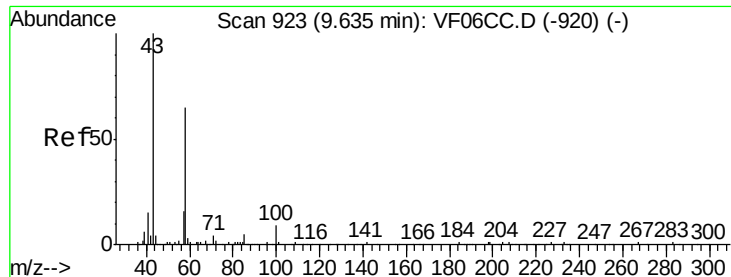
Tgt Ion: 63 Resp: 3977

Ion Ratio Lower Upper

63 100

106 11.6 19.5 29.3#

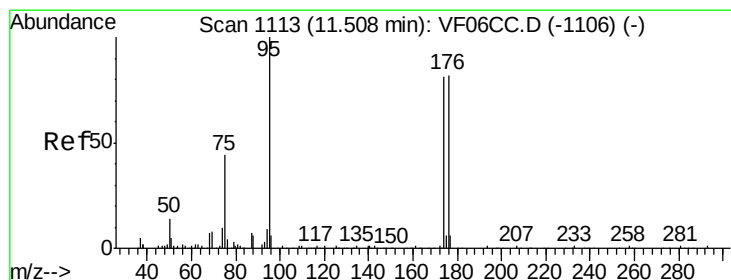
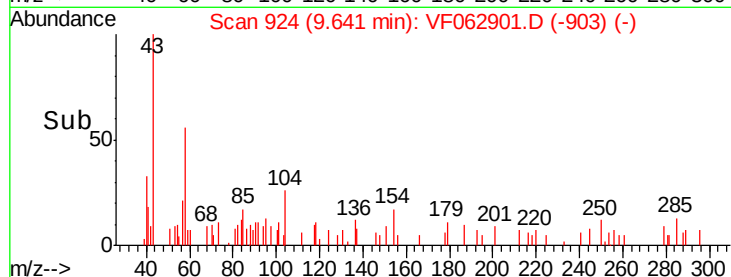
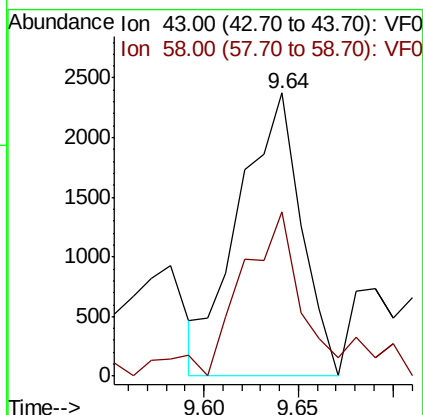
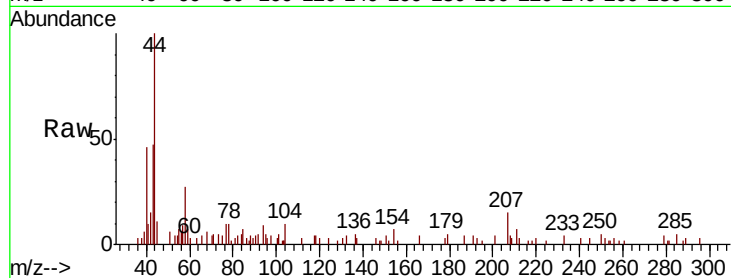




#59
2-Hexanone
Concen: 1.843 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF062901.D
Acq: 7 Jun 2019 16:43

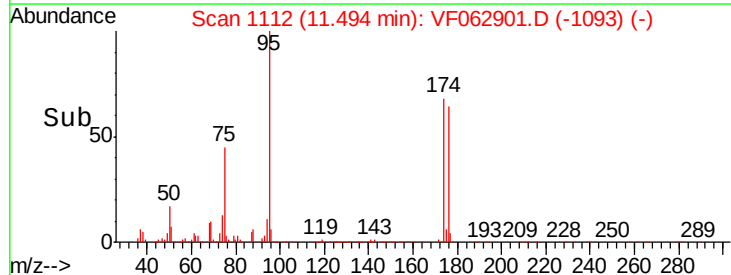
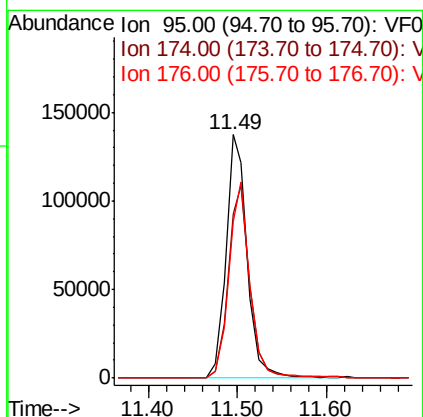
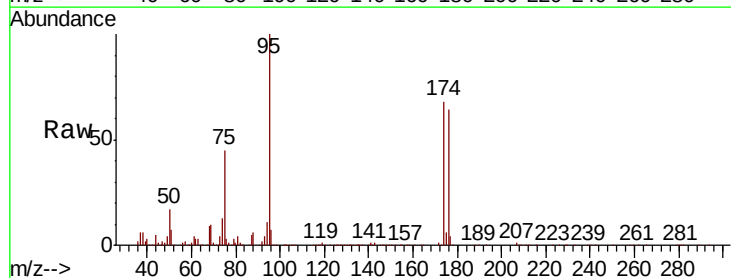
Instrument :
MSVOA_F
ClientSampled :

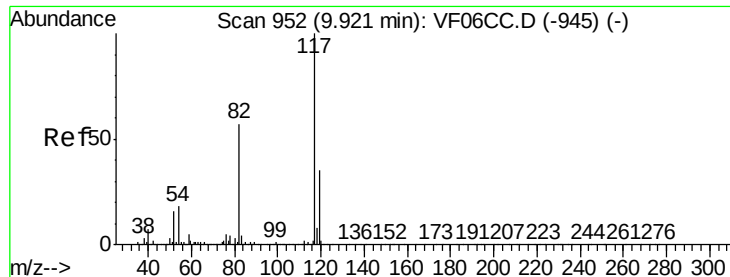
Tot Ion: 43 Resp: 5406
Ion Ratio Lower Upper
43 100
58 58.1 29.3 87.9



#62
4-Bromofluorobenzene
Concen: 27.115 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. -0.02 min
Lab File: VF062901.D
Acq: 7 Jun 2019 16:43

Tgt Ion: 95 Resp: 231117
Ion Ratio Lower Upper
95 100
174 67.6 0.0 170.6
176 64.1 0.0 170.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.02 min

Lab File: VF062901.D

Acq: 7 Jun 2019 16:43

Instrument :
MSVOA_F
ClientSampleId :

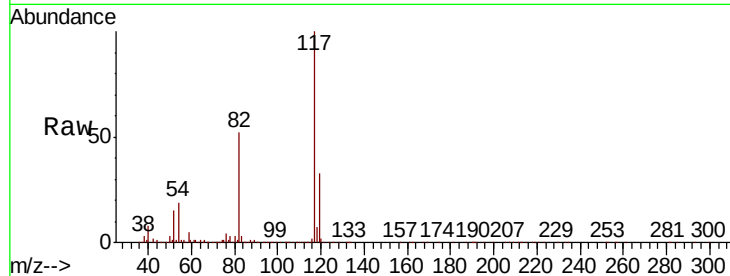
Tot Ion:117 Resp: 831360

Ion Ratio Lower Upper

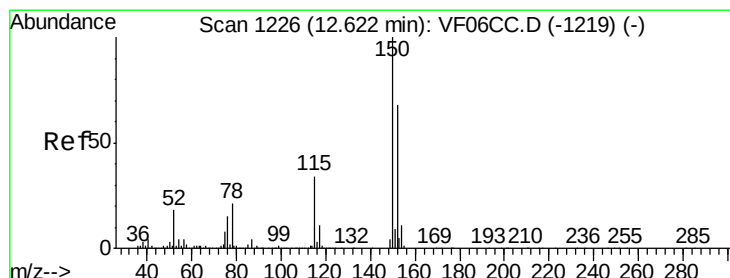
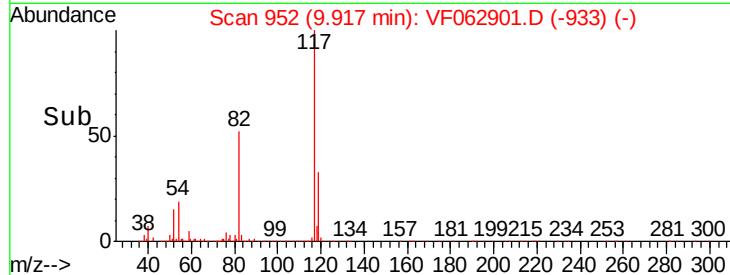
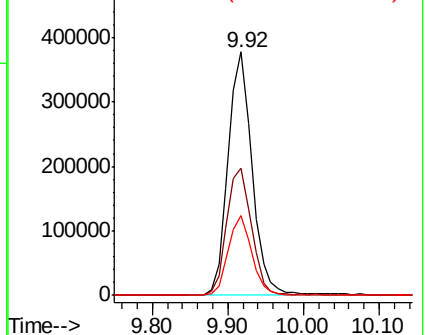
117 100

82 52.4 42.4 63.6

119 32.6 27.1 40.7



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: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF062901.D

Acq: 7 Jun 2019 16:43

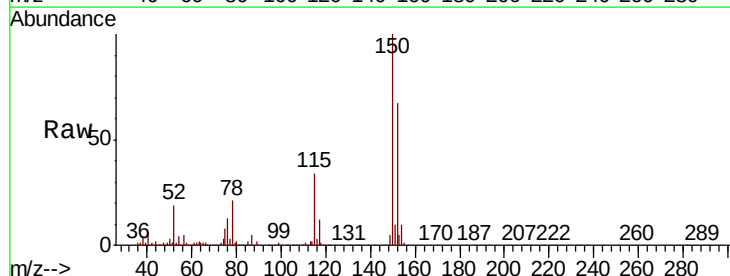
Tgt Ion:152 Resp: 295069

Ion Ratio Lower Upper

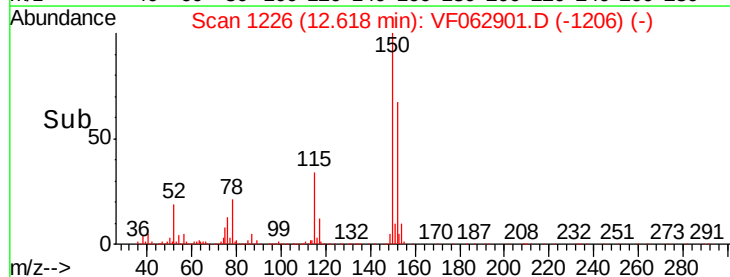
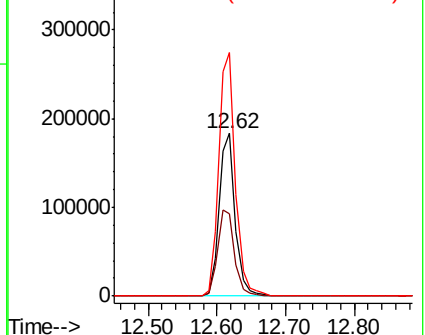
152 100

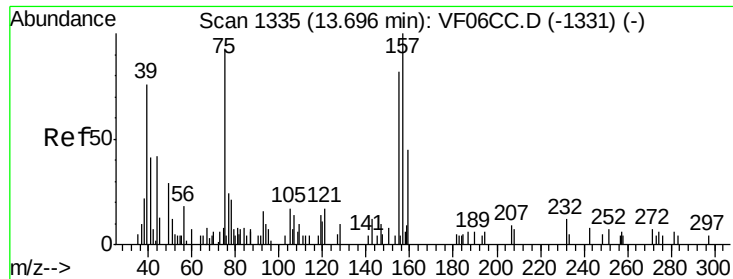
115 50.8 24.6 74.0

150 149.9 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





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.102 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.01 min

Lab File: VF062901.D

Acq: 7 Jun 2019 16:43

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 75 Resp: 1007

Ion Ratio Lower Upper

75 100

155 0.0 51.7 155.1#

157 0.0 66.8 200.6#

