

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062925.D
 Acq On : 12 Jun 2019 14:08
 Operator : FY/SY
 Sample : K3159-03
 Misc : 6.73g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 13 08:30:15 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

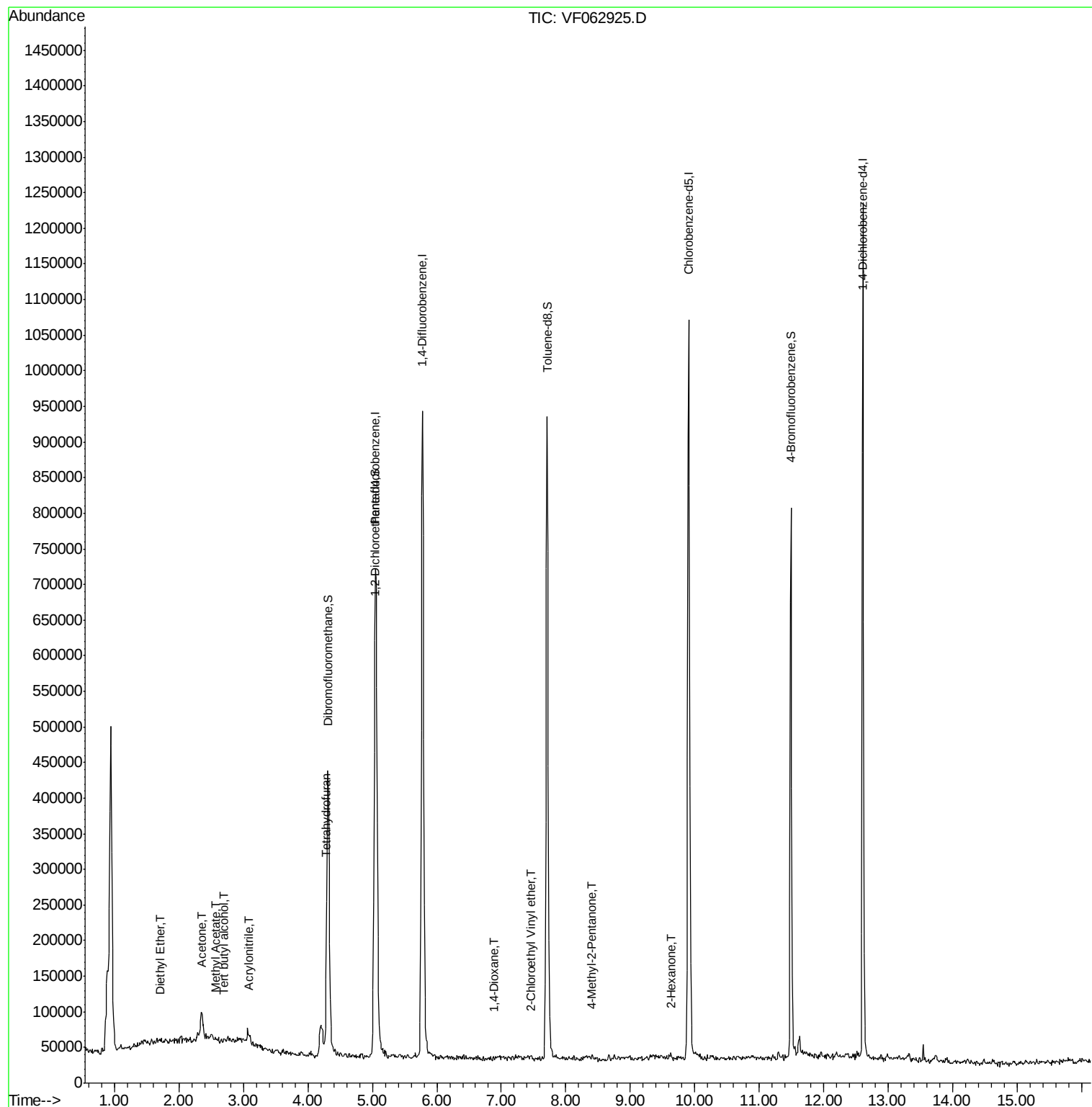
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	643962	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.78	114	1131642	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	823708	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	306643	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	205618	46.17	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	92.34%	
35) Dibromofluoromethane	4.31	113	402345	47.05	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	94.10%	
50) Toluene-d8	7.71	98	793229	36.68	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	73.36%	
62) 4-Bromofluorobenzene	11.49	95	281856	36.24	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	72.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.08	85	351	Below Cal		76
8) Diethyl Ether	1.71	74	2067	1.121 ug/l		94
11) Tert butyl alcohol	2.71	59	1472	5.457 ug/l #		1
13) Acrolein	2.09	56	679	Below Cal #		1
15) Acrylonitrile	3.09	53	1100	1.085 ug/l		89
16) Acetone	2.35	43	61166	60.014 ug/l		92
18) Methyl Acetate	2.56	43	3299	1.852 ug/l #		72
20) Methylene Chloride	2.36	84	10219	Below Cal #		92
29) Tetrahydrofuran	4.28	42	1677	1.847 ug/l #		71
49) 1,4-Dioxane	6.89	88	361	10.102 ug/l #		1
51) 4-Methyl-2-Pentanone	8.41	43	4822	1.284 ug/l #		60
58) 2-Chloroethyl Vinyl ether	7.45	63	2446	1.337 ug/l		94
59) 2-Hexanone	9.63	43	4915	1.836 ug/l		89

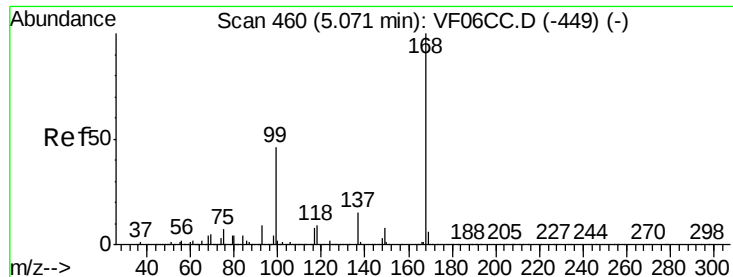
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061219\
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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: 5.06 min Scan# 459

Delta R.T. -0.02 min

Lab File: VF062925.D

Acq: 12 Jun 2019 14:08

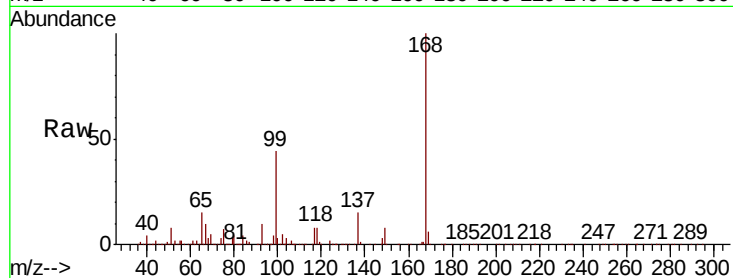
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 643962

Ion Ratio Lower Upper

168 100

99 43.6 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

250000

200000

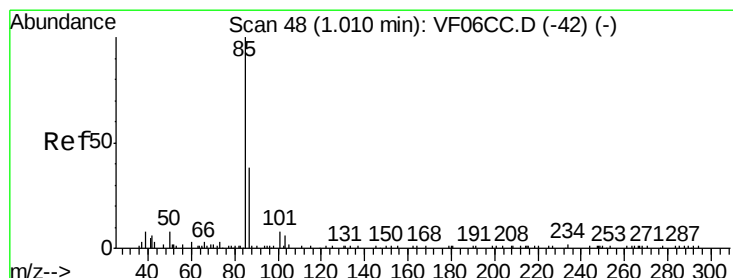
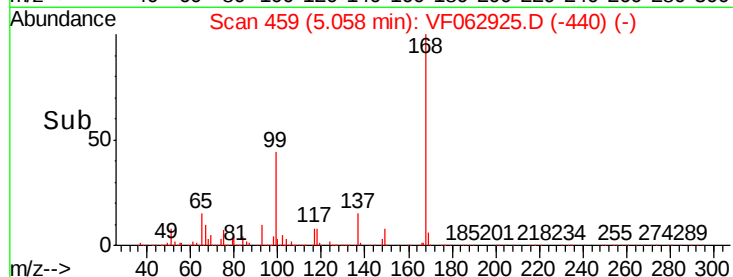
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.08 min Scan# 55

Delta R.T. 0.06 min

Lab File: VF062925.D

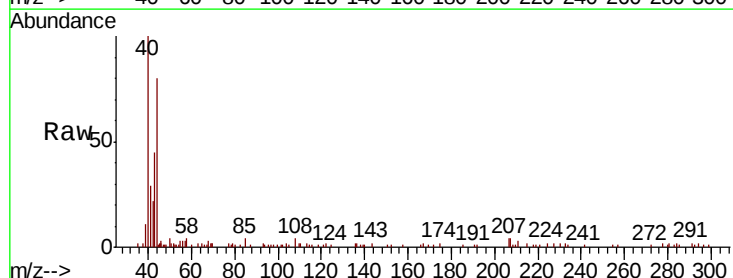
Acq: 12 Jun 2019 14:08

Tgt Ion: 85 Resp: 351

Ion Ratio Lower Upper

85 100

87 21.4 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.08

500

400

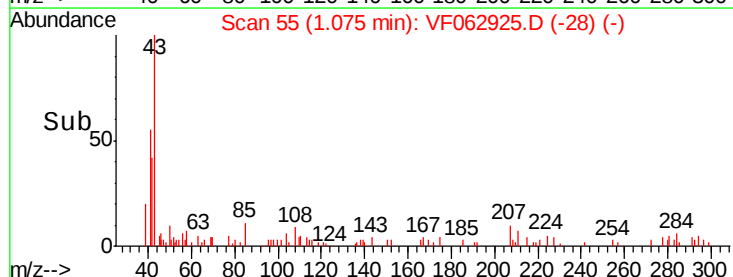
300

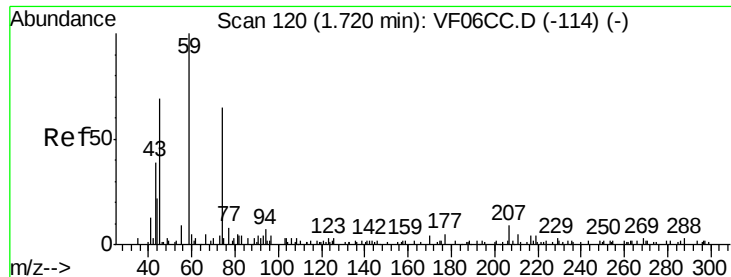
200

100

0

Time-->

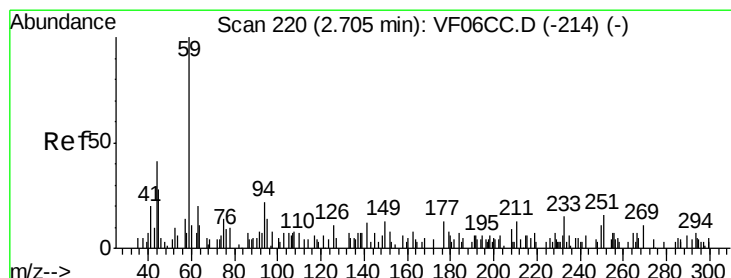
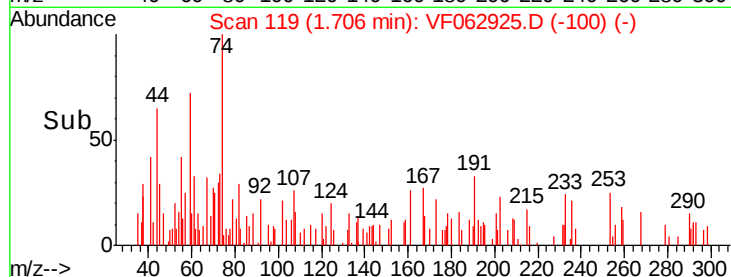
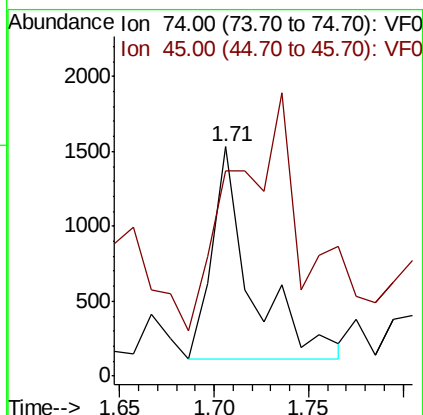
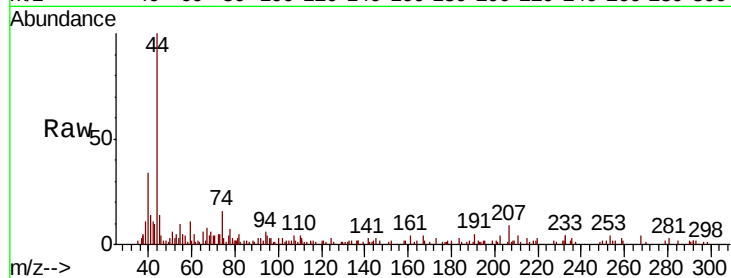




#8
Diethyl Ether
Concen: 1.121 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.02 min
Lab File: VF062925.D
Acq: 12 Jun 2019 14:08

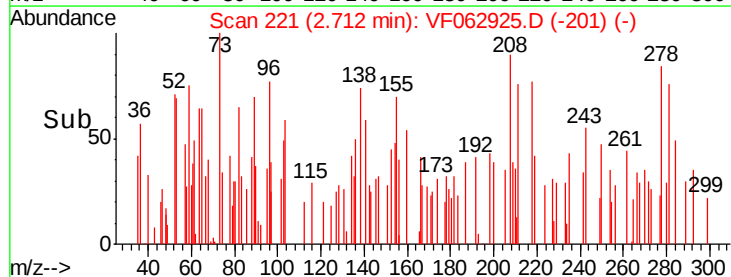
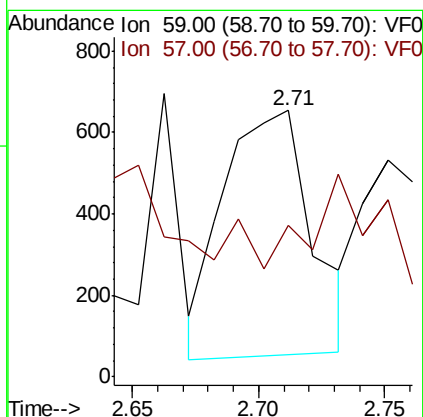
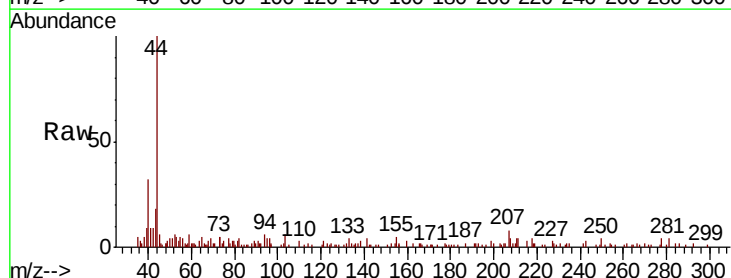
Instrument :
MSVOA_F
ClientSampled :

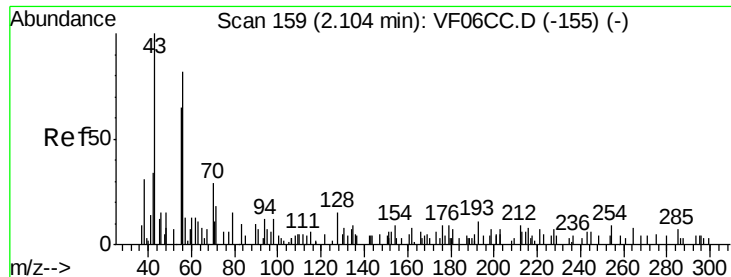
Tot Ion: 74 Resp: 2067
Ion Ratio Lower Upper
74 100
45 89.6 47.5 142.5



#11
Tert butyl alcohol
Concen: 5.457 ug/l
RT: 2.71 min Scan# 221
Delta R.T. -0.01 min
Lab File: VF062925.D
Acq: 12 Jun 2019 14:08

Tgt Ion: 59 Resp: 1472
Ion Ratio Lower Upper
59 100
57 56.9 9.2 13.8#





#13

Acrolein

Concen: Below Cal

RT: 2.09 min Scan# 158

Delta R.T. -0.02 min

Lab File: VF062925.D

Acq: 12 Jun 2019 14:08

Instrument :

MSVOA_F

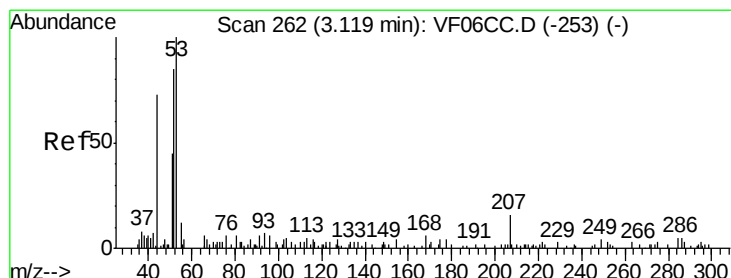
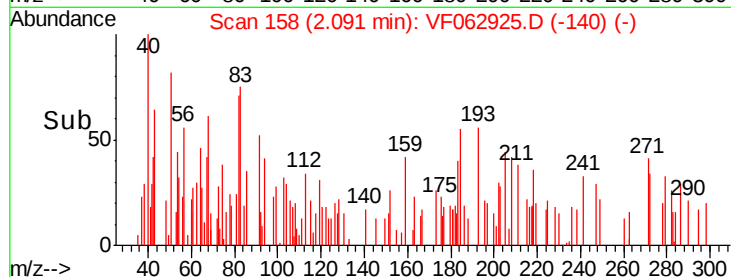
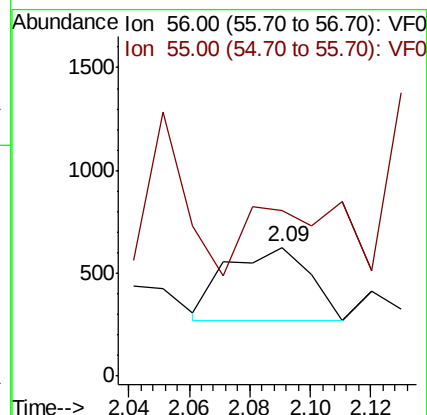
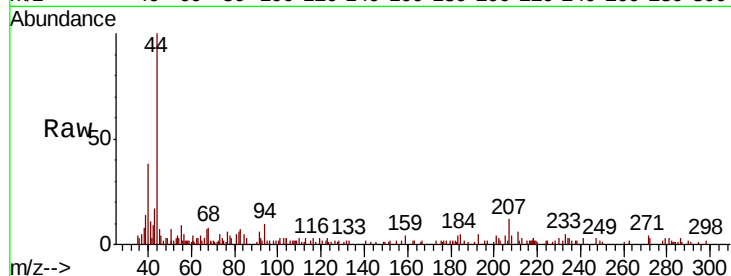
ClientSampleId :

Tot Ion: 56 Resp: 679

Ion Ratio Lower Upper

56 100

55 158.0 52.9 79.3#



#15

Acrylonitrile

Concen: 1.085 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.03 min

Lab File: VF062925.D

Acq: 12 Jun 2019 14:08

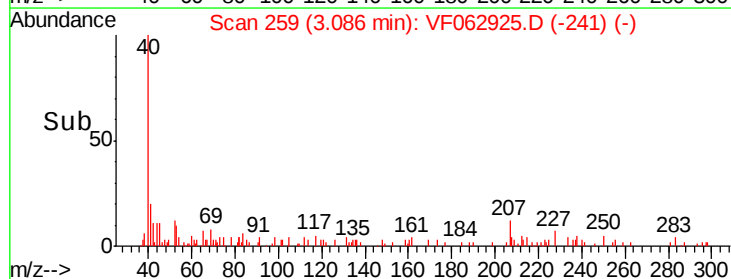
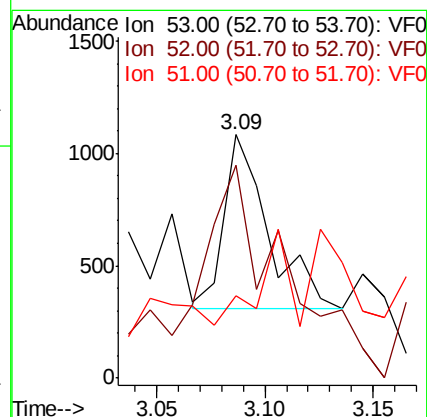
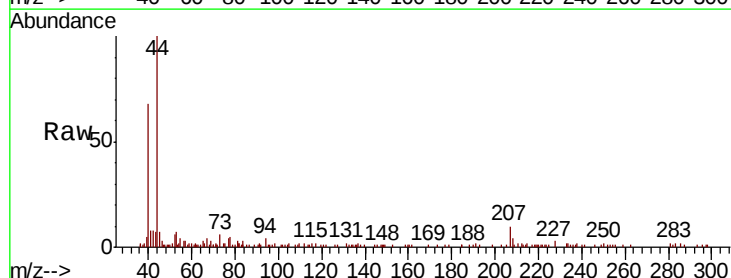
Tgt Ion: 53 Resp: 1100

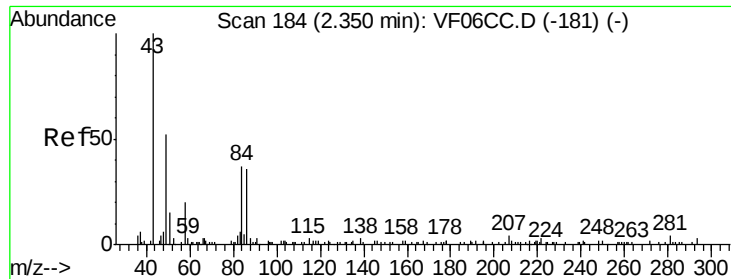
Ion Ratio Lower Upper

53 100

52 74.9 68.1 102.1

51 28.9 27.7 41.5

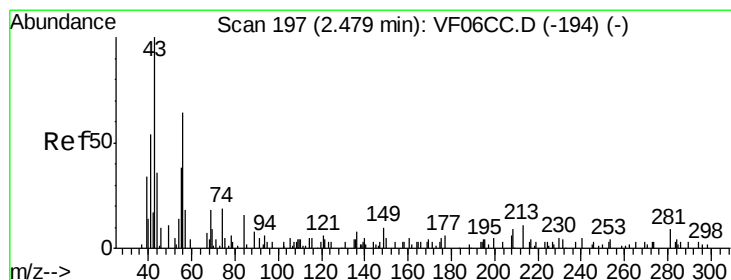
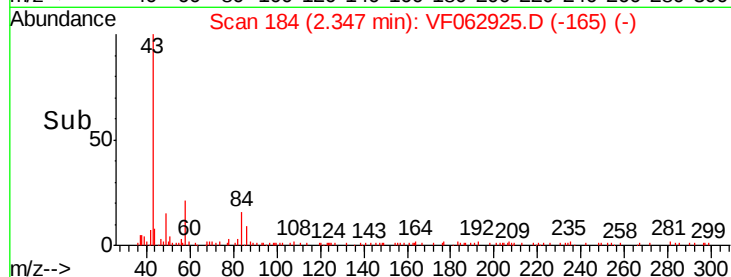
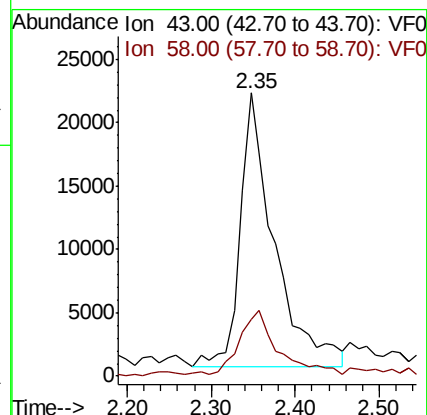
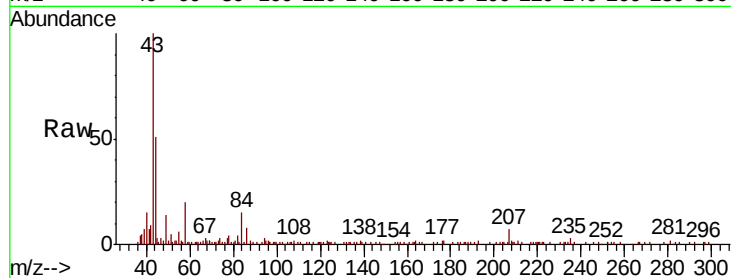




#16
Acetone
Concen: 60.014 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.02 min
Lab File: VF062925.D
Acq: 12 Jun 2019 14:08

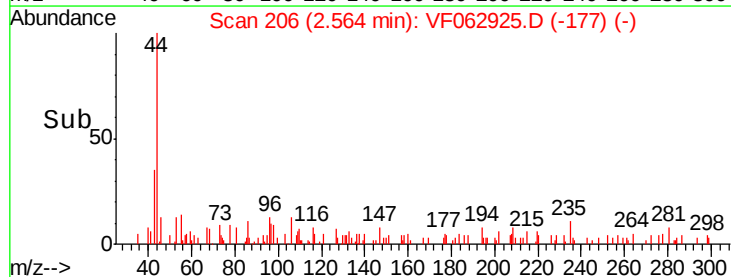
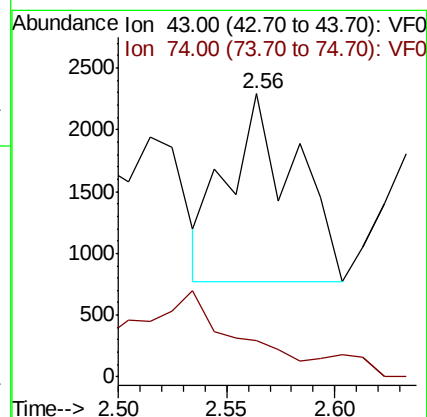
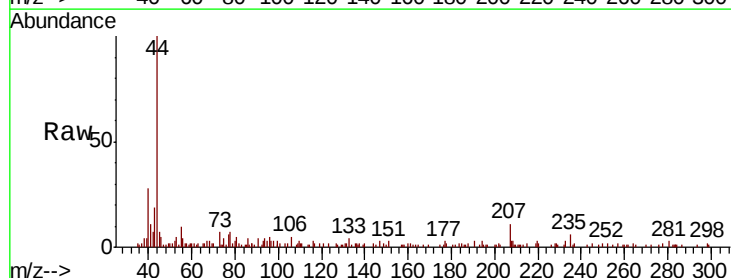
Instrument :
MSVOA_F
ClientSampleId :

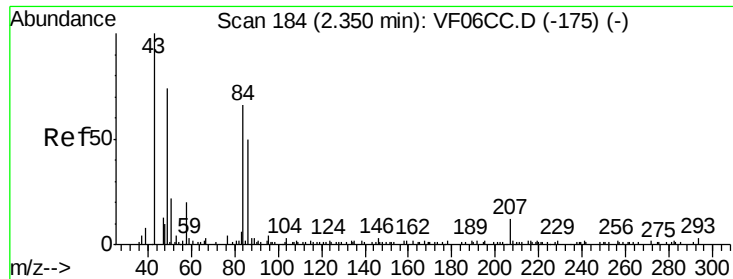
Tot Ion: 43 Resp: 61166
Ion Ratio Lower Upper
43 100
58 20.0 19.0 28.4



#18
Methyl Acetate
Concen: 1.852 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.08 min
Lab File: VF062925.D
Acq: 12 Jun 2019 14:08

Tgt Ion: 43 Resp: 3299
Ion Ratio Lower Upper
43 100
74 13.1 22.1 33.1#

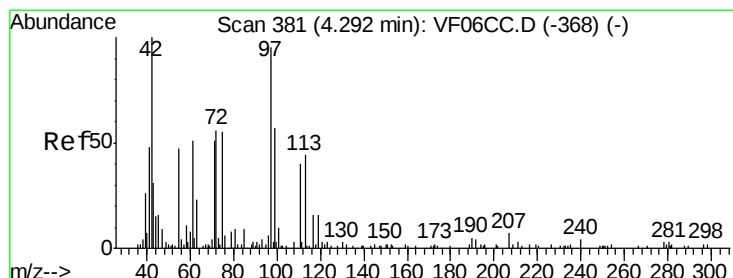
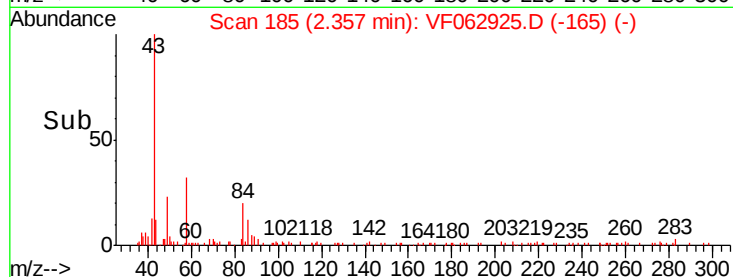
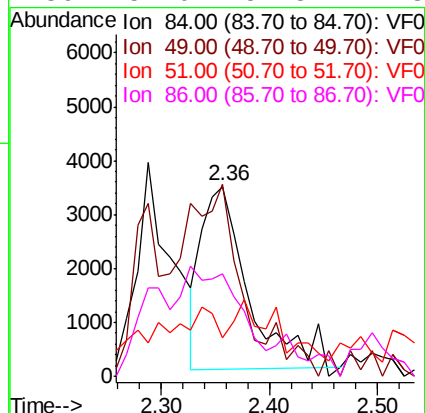
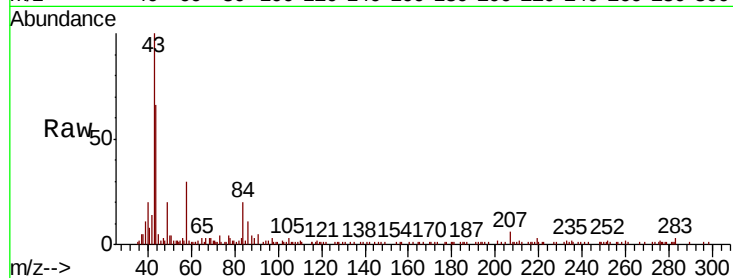




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.36 min Scan# 185
Delta R.T. -0.01 min
Lab File: VF062925.D
Acq: 12 Jun 2019 14:08

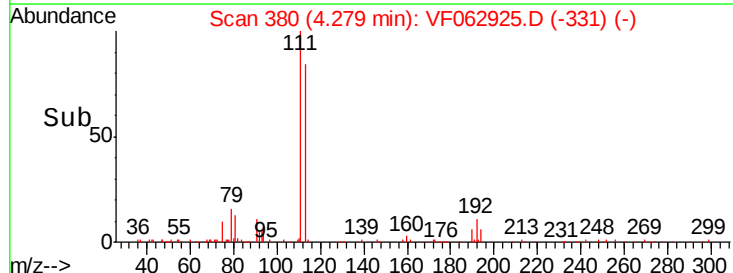
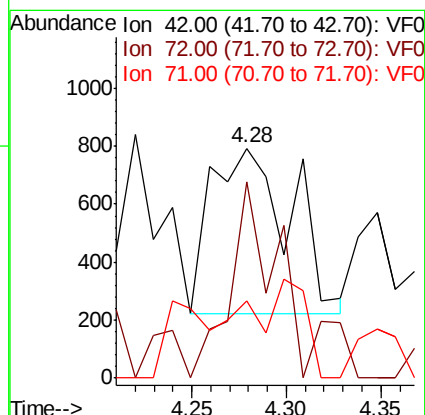
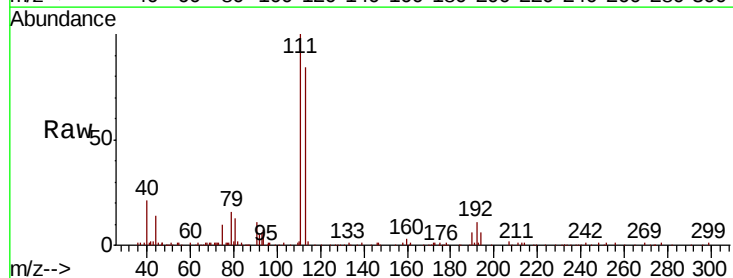
Instrument :
MSVOA_F
ClientSampleId :

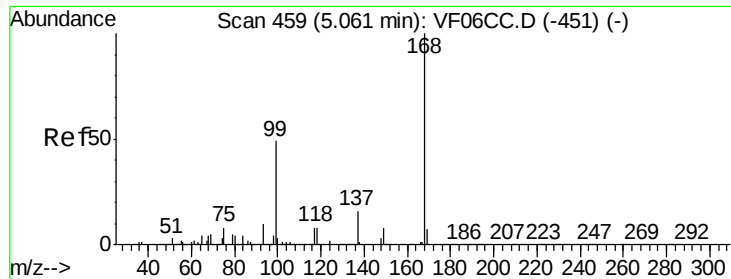
Tot Ion:	84	Resp:	10219
Ion	Ratio	Lower	Upper
84	100		
49	101.5	82.6	123.8
51	20.4	25.0	37.4#
86	54.0	51.5	77.3



#29
Tetrahydrofuran
Concen: 1.847 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF062925.D
Acq: 12 Jun 2019 14:08

Tgt Ion:	42	Resp:	1677
Ion	Ratio	Lower	Upper
42	100		
72	79.2	39.0	58.6#
71	37.6	36.9	55.3





#33

1,2-Dichloroethane-d4

Concen: 46.175 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.03 min

Lab File: VF062925.D

Acq: 12 Jun 2019 14:08

Instrument :

MSVOA_F

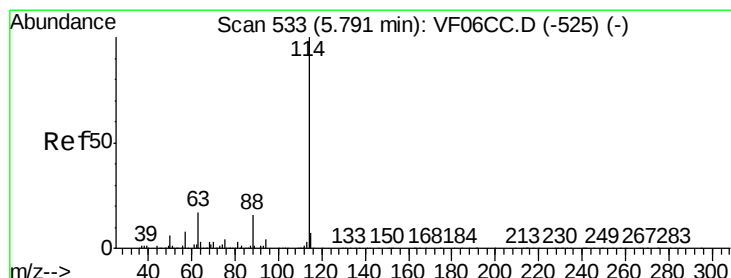
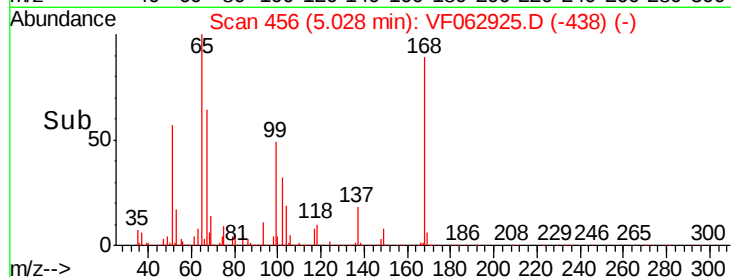
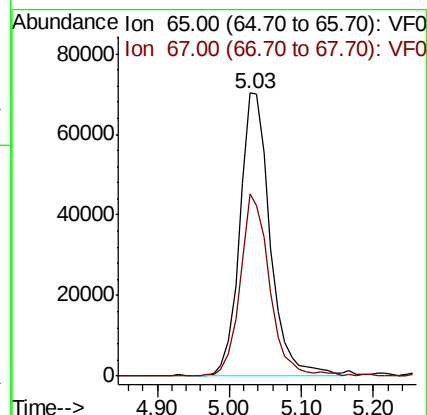
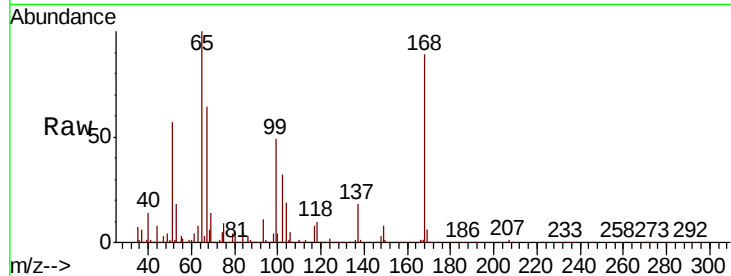
ClientSampleId :

Tot Ion: 65 Resp: 205618

Ion Ratio Lower Upper

65 100

67 64.2 0.0 121.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.03 min

Lab File: VF062925.D

Acq: 12 Jun 2019 14:08

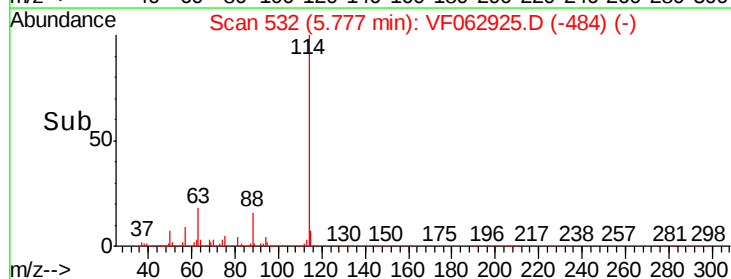
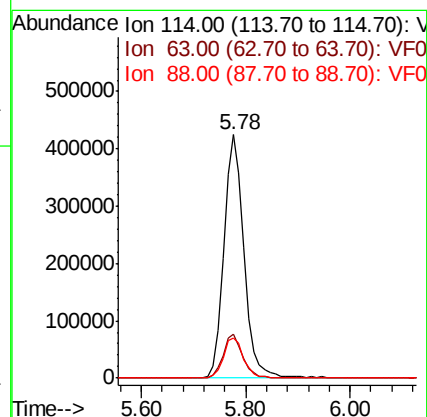
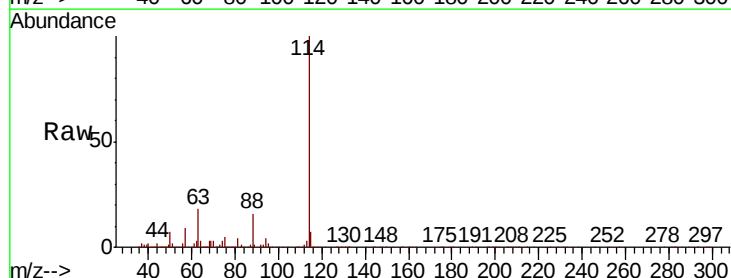
Tgt Ion: 114 Resp: 1131642

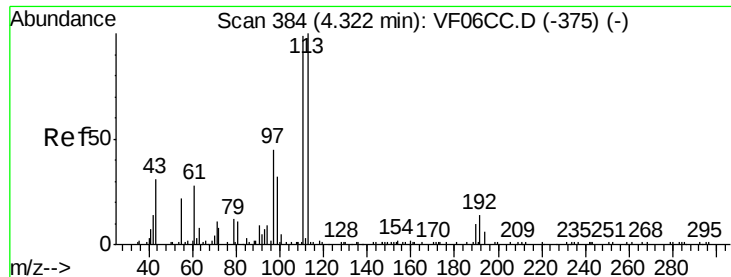
Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.2

88 16.2 0.0 31.2

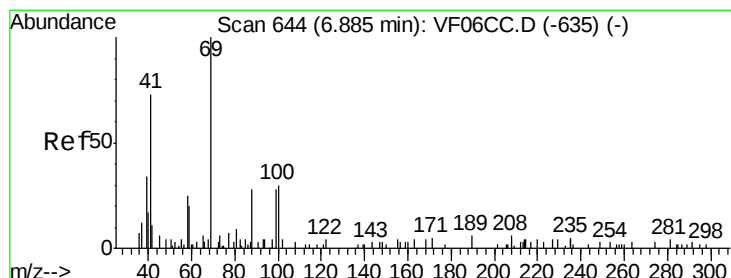
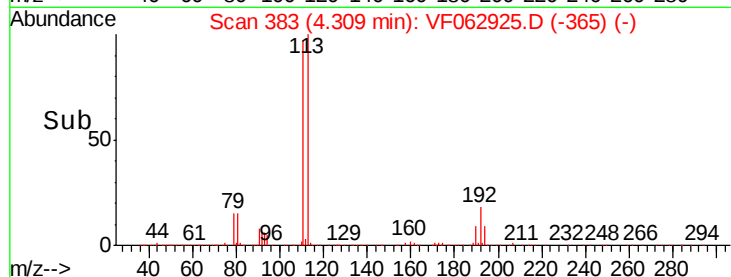
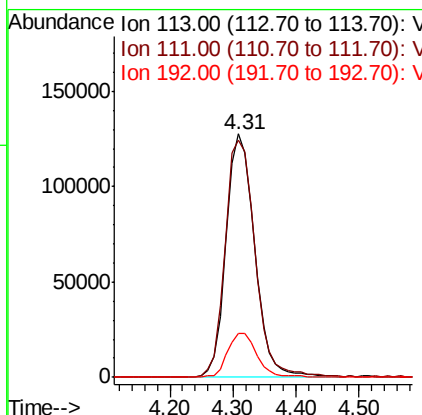
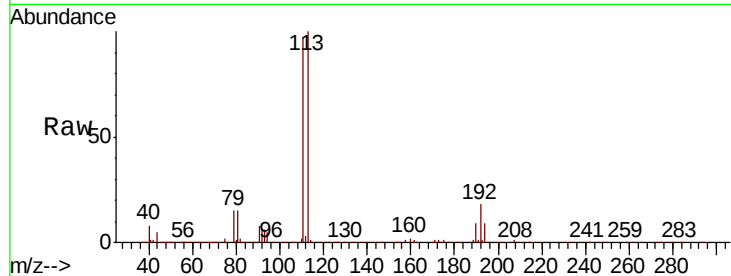




#35
 Dibromofluoromethane
 Concen: 47.051 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.03 min
 Lab File: VF062925.D
 Acq: 12 Jun 2019 14:08

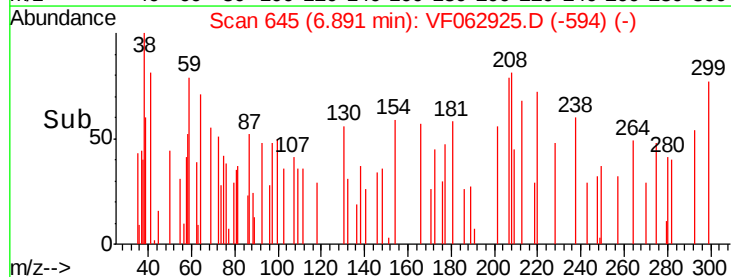
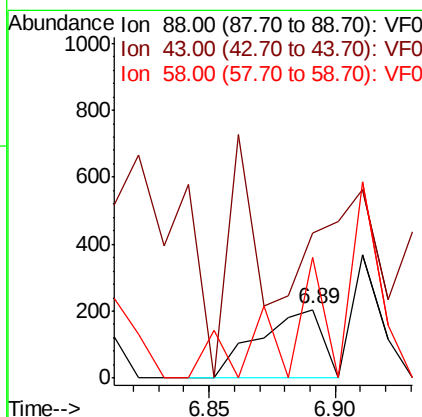
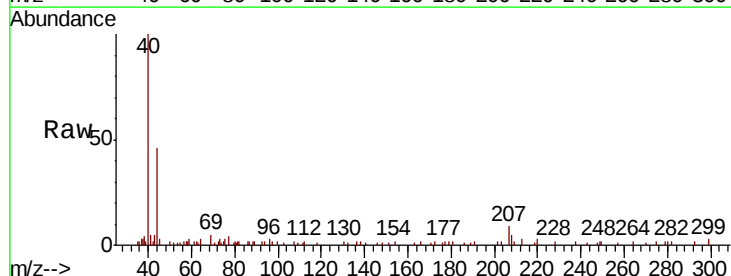
Instrument :
 MSVOA_F
 ClientSampleId :

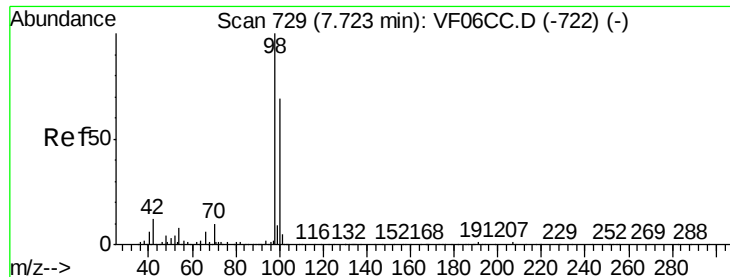
Tot Ion	Ratio	Lower	Upper
113	100		
111	97.5	81.9	122.9
192	18.1	15.1	22.7



#49
 1,4-Dioxane
 Concen: 10.102 ug/l
 RT: 6.89 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: VF062925.D
 Acq: 12 Jun 2019 14:08

Tgt Ion	Ratio	Lower	Upper
88	100		
43	211.2	34.8	52.2#
58	175.6	59.9	89.9#





#50

Toluene-d8

Concen: 36.682 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.03 min

Lab File: VF062925.D

Acq: 12 Jun 2019 14:08

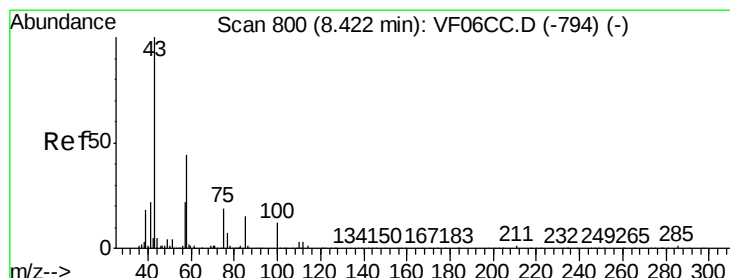
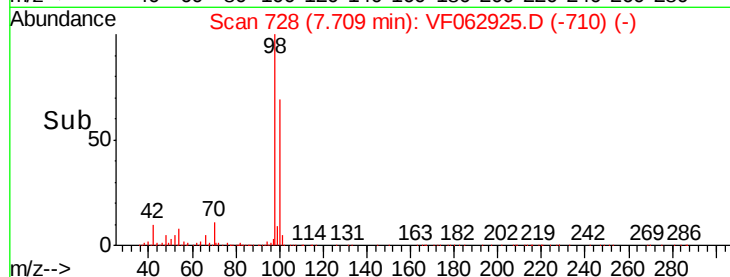
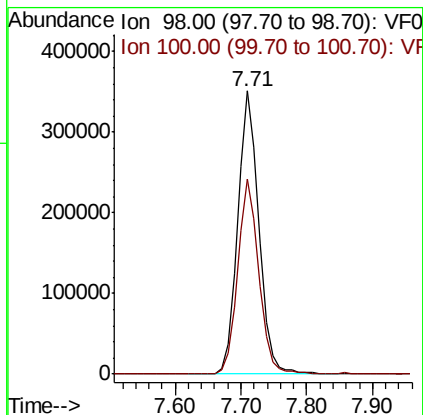
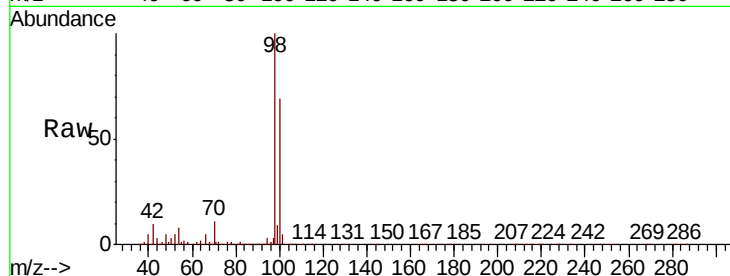
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 793229

Ion Ratio Lower Upper

98 100

100 68.9 59.8 89.8



#51

4-Methyl-2-Pentanone

Concen: 1.284 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF062925.D

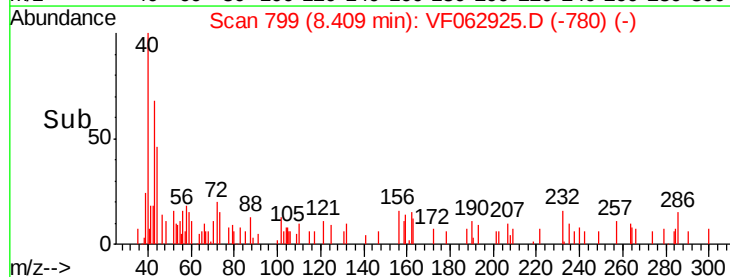
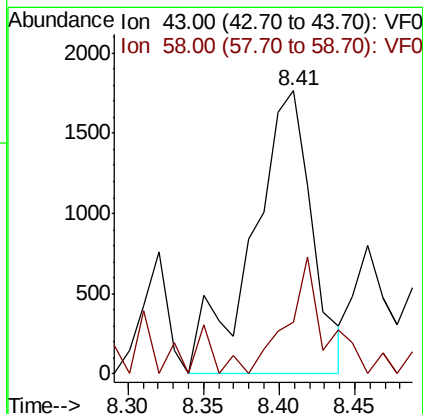
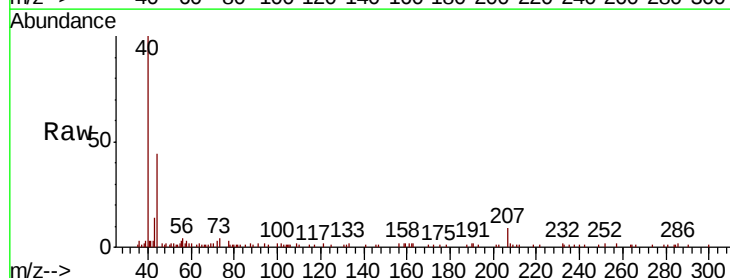
Acq: 12 Jun 2019 14:08

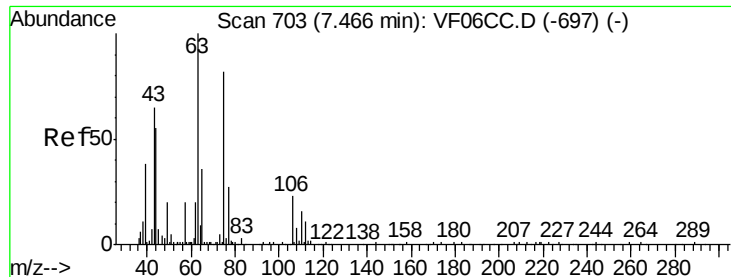
Tgt Ion: 43 Resp: 4822

Ion Ratio Lower Upper

43 100

58 18.3 35.5 53.3#

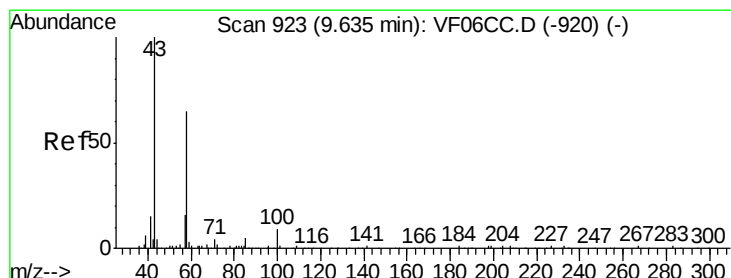
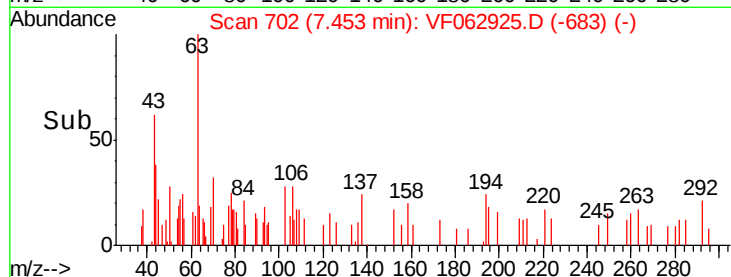
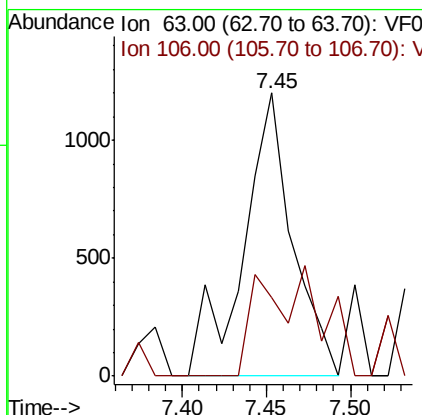
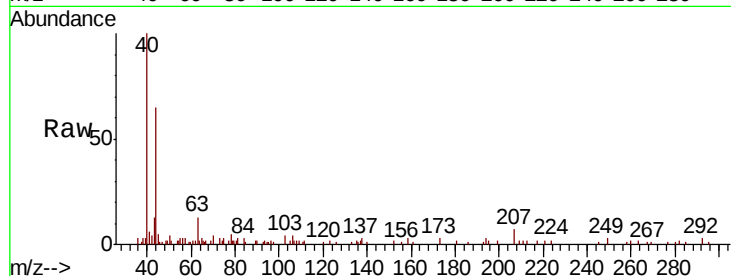




#58
2-Chloroethyl Vinyl ether
Concen: 1.337 ug/l
RT: 7.45 min Scan# 702
Delta R.T. -0.02 min
Lab File: VF062925.D
Acq: 12 Jun 2019 14:08

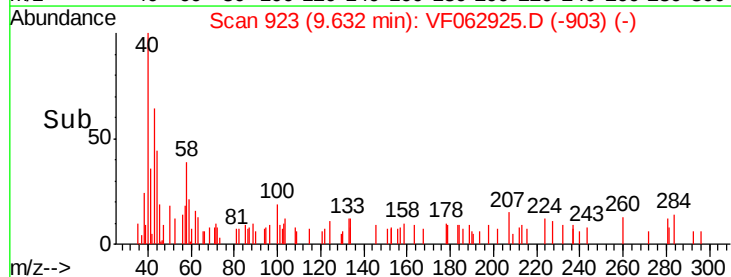
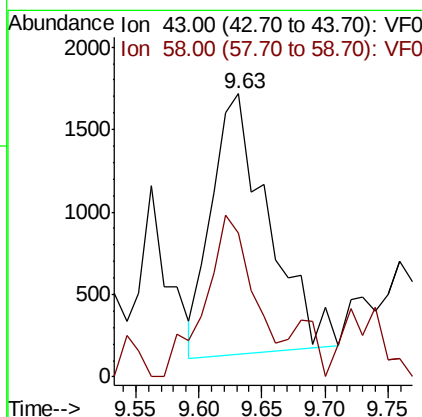
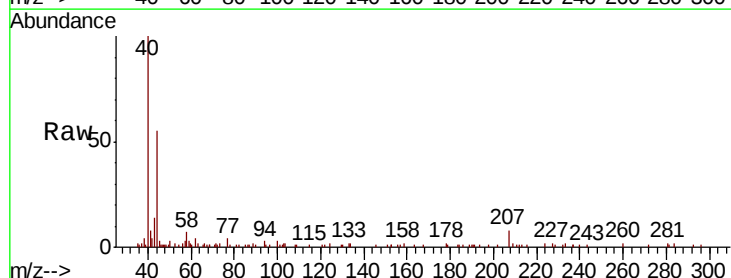
Instrument :
MSVOA_F
ClientSampleId :

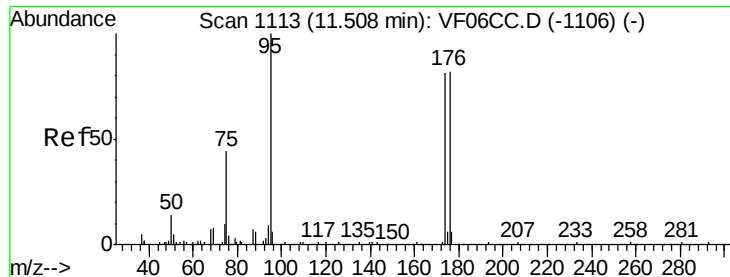
Tot Ion: 63 Resp: 2446
Ion Ratio Lower Upper
63 100
106 27.6 19.5 29.3



#59
2-Hexanone
Concen: 1.836 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF062925.D
Acq: 12 Jun 2019 14:08

Tgt Ion: 43 Resp: 4915
Ion Ratio Lower Upper
43 100
58 50.7 29.3 87.9





#62

4-Bromofluorobenzene

Concen: 36.235 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF062925.D

Acq: 12 Jun 2019 14:08

Instrument :

MSVOA_F

ClientSampleId :

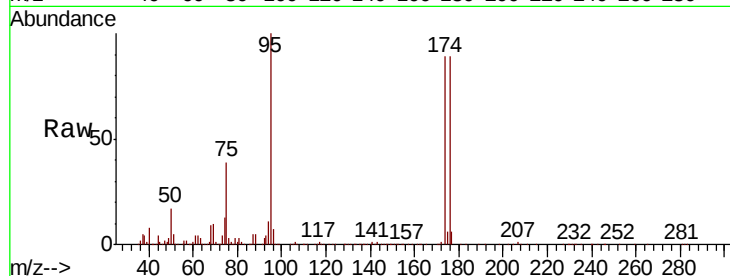
Tot Ion: 95 Resp: 281856

Ion Ratio Lower Upper

95 100

174 88.5 0.0 170.6

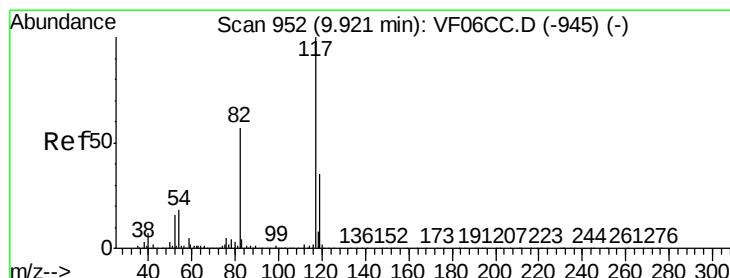
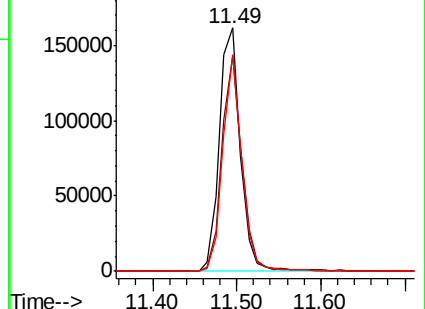
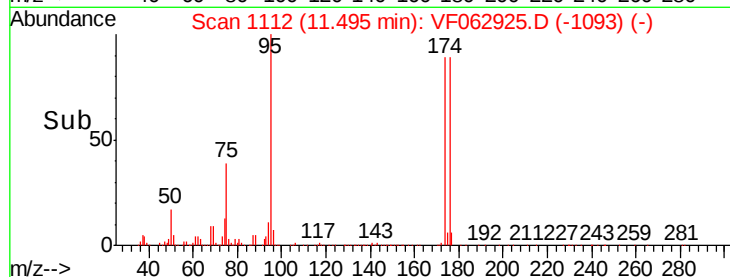
176 89.1 0.0 170.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.03 min

Lab File: VF062925.D

Acq: 12 Jun 2019 14:08

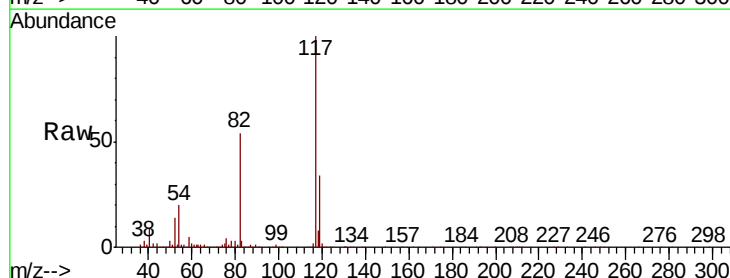
Tgt Ion: 117 Resp: 823708

Ion Ratio Lower Upper

117 100

82 54.4 42.4 63.6

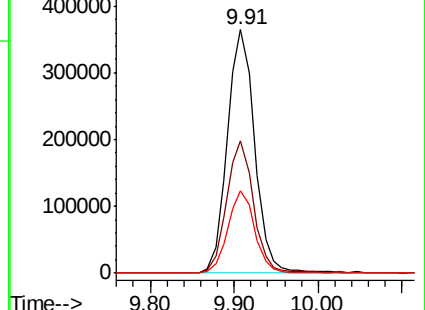
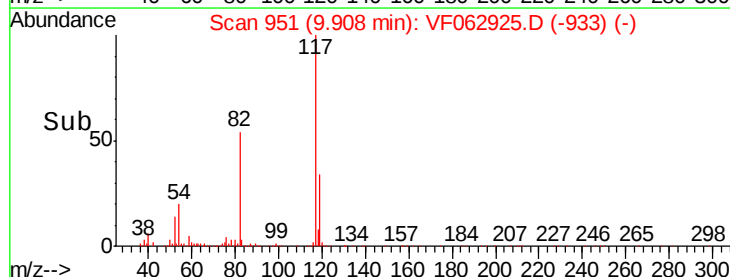
119 33.7 27.1 40.7

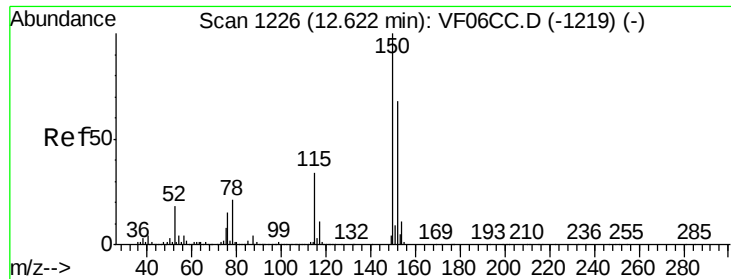


Abundance Ion 117.00 (116.70 to 117.70): V

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: 12.61 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VF062925.D

Acq: 12 Jun 2019 14:08

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:152 Resp: 306643

Ion Ratio Lower Upper

152 100

115 54.9 24.6 74.0

150 151.2 0.0 290.6

