

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062926.D
 Acq On : 12 Jun 2019 14:36
 Operator : FY/SY
 Sample : K3282-01
 Misc : 5.76g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 13 08:30:23 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	5.04	168	390145	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.77	114	623986	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	447999	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	183262	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	141183	52.33	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	104.66%	
35) Dibromofluoromethane	4.29	113	243996	51.75	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	103.50%	
50) Toluene-d8	7.70	98	533756	44.76	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	89.52%	
62) 4-Bromofluorobenzene	11.49	95	181758	42.38	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	84.76%	

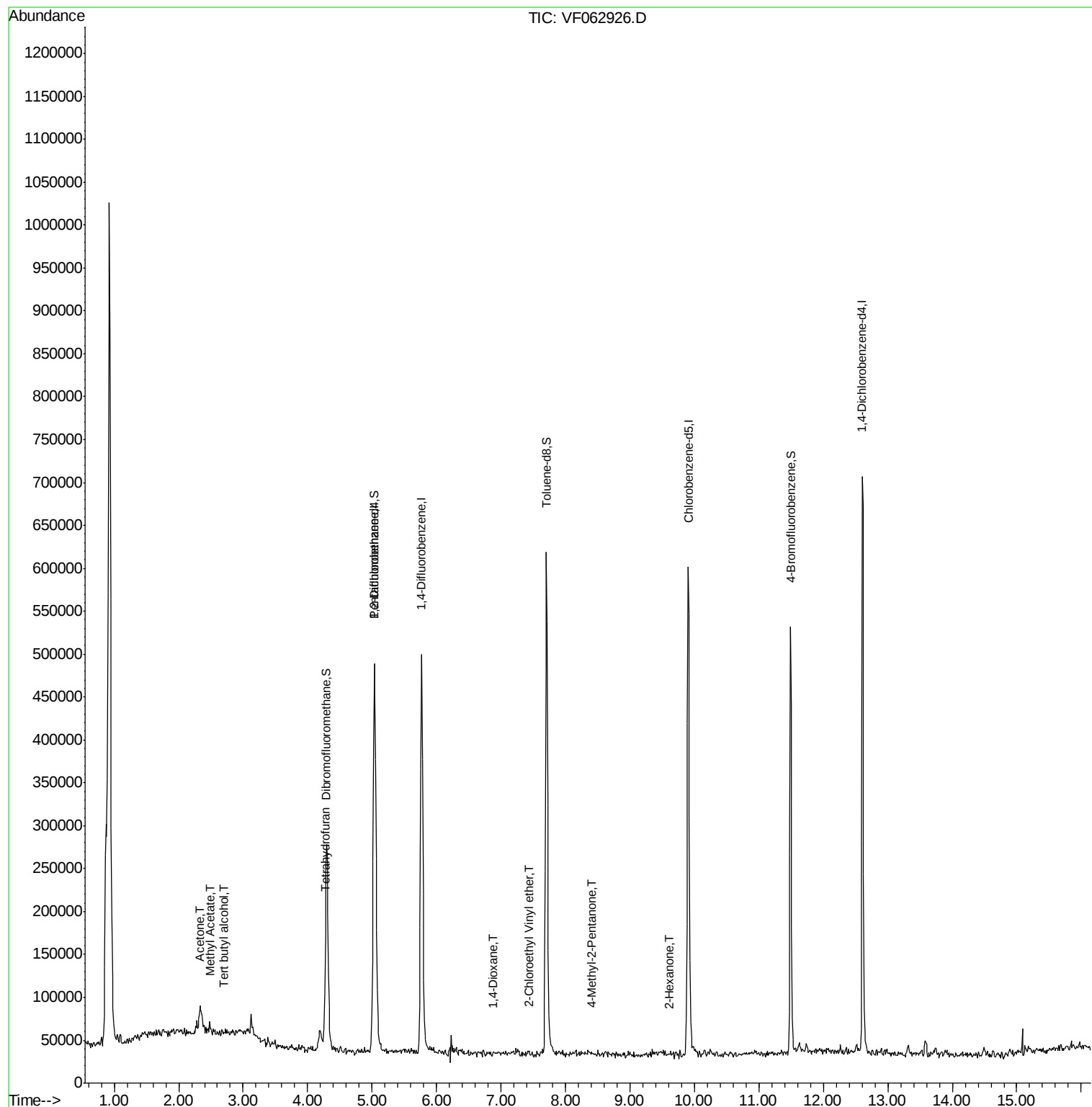
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	1881	Below Cal		98
11) Tert butyl alcohol	2.70	59	790	4.834	ug/l #	1
16) Acetone	2.33	43	49925	80.852	ug/l	94
18) Methyl Acetate	2.48	43	9572	8.871	ug/l #	65
29) Tetrahydrofuran	4.26	42	2063	3.751	ug/l #	29
49) 1,4-Dioxane	6.87	88	222	11.266	ug/l #	16
51) 4-Methyl-2-Pentanone	8.41	43	4479	2.163	ug/l #	70
58) 2-Chloroethyl Vinyl ether	7.45	63	2097	2.079	ug/l #	82
59) 2-Hexanone	9.62	43	1622	1.099	ug/l	88

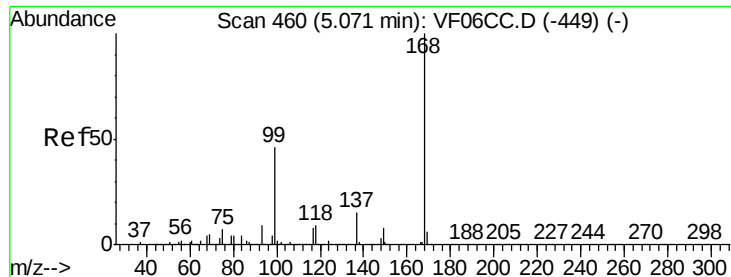
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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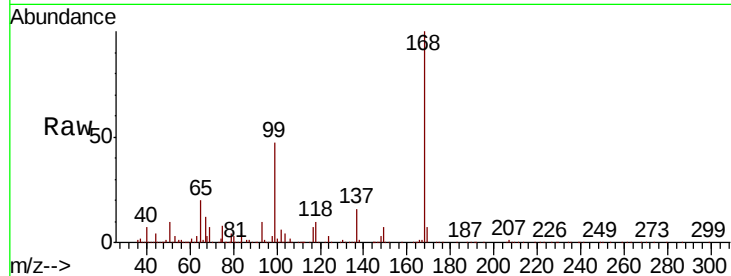


#1

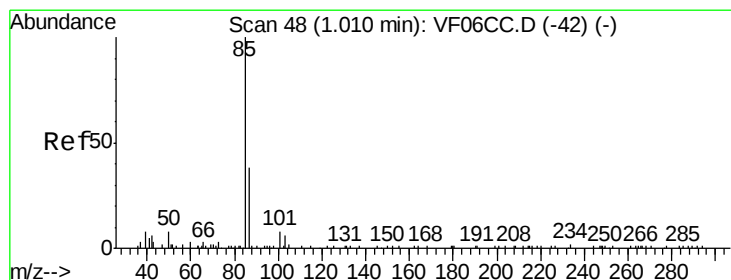
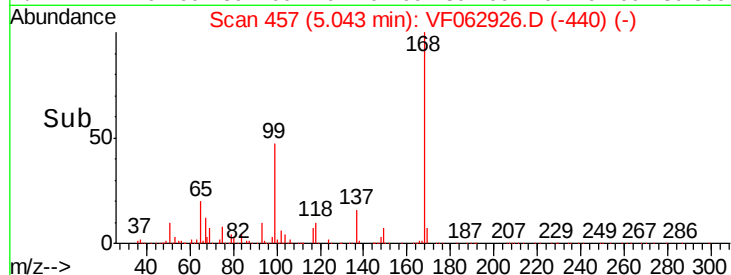
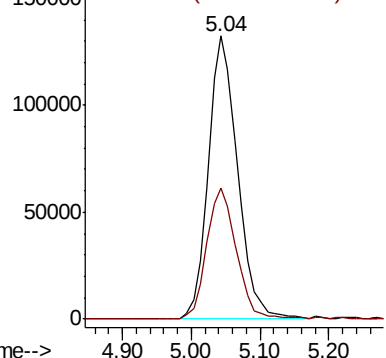
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.04 min Scan# 457
Delta R.T. -0.03 min
Lab File: VF062926.D
Acq: 12 Jun 2019 14:36

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 390145
Ion Ratio Lower Upper
168 100
99 46.5 39.1 58.7



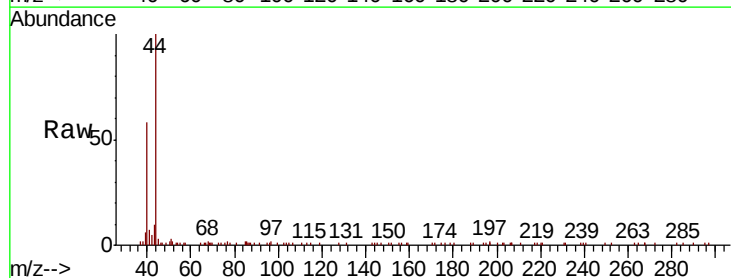
Abundance Ion 168.00 (167.70 to 168.70): VF0
Ion 99.00 (98.70 to 99.70): VF0



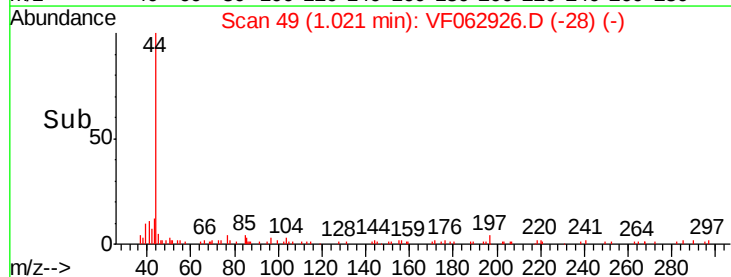
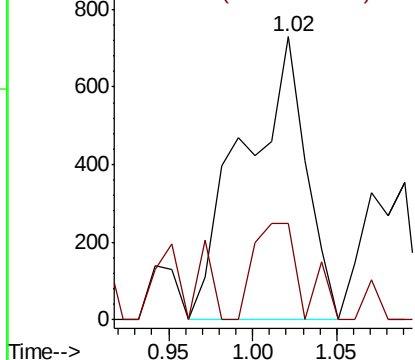
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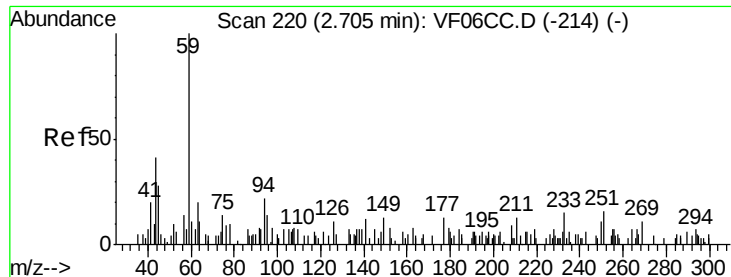
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.02 min Scan# 49
Delta R.T. 0.01 min
Lab File: VF062926.D
Acq: 12 Jun 2019 14:36

Tgt Ion: 85 Resp: 1881
Ion Ratio Lower Upper
85 100
87 34.3 17.6 52.9



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

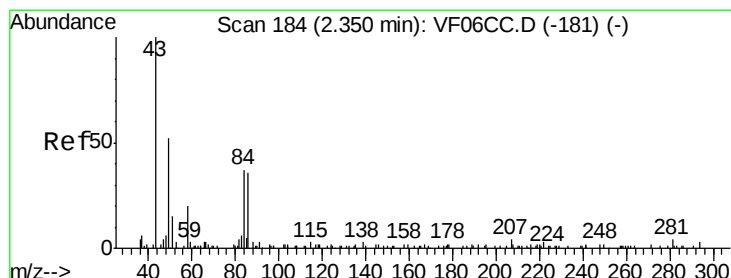
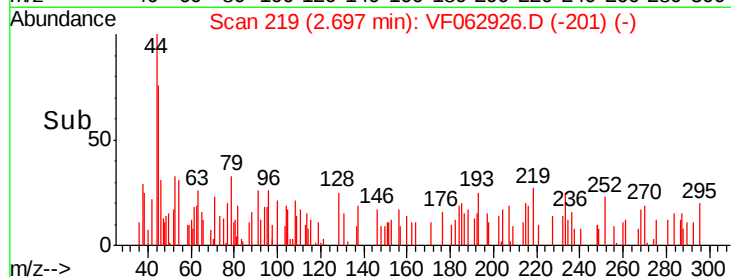
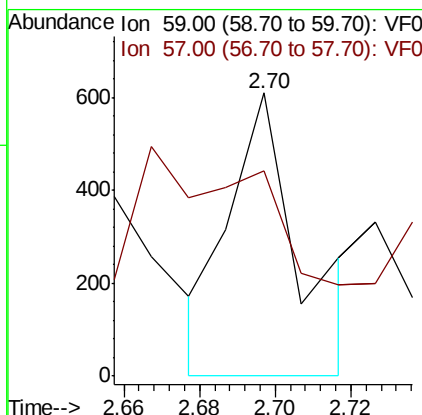
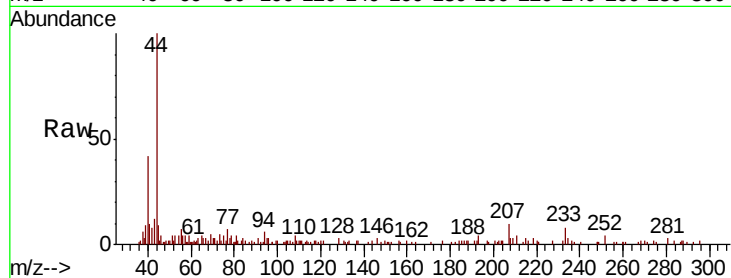




#11
Tert butvl alcohol
Concen: 4.834 ug/l
RT: 2.70 min Scan# 219
Delta R.T. -0.02 min
Lab File: VF062926.D
Acq: 12 Jun 2019 14:36

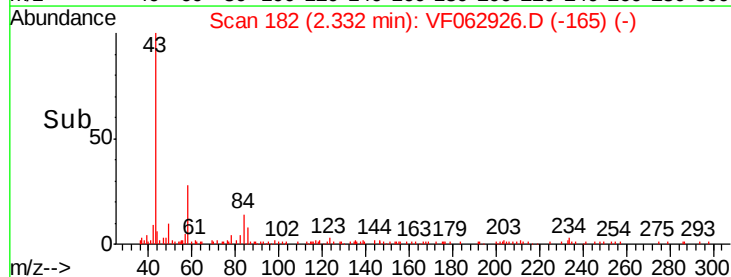
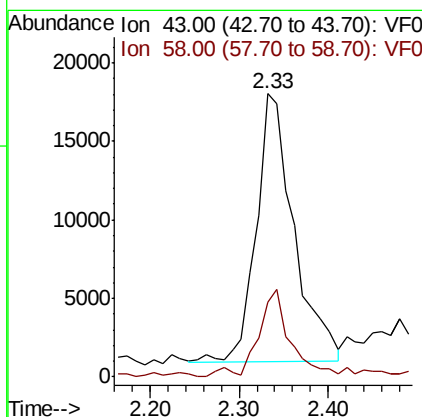
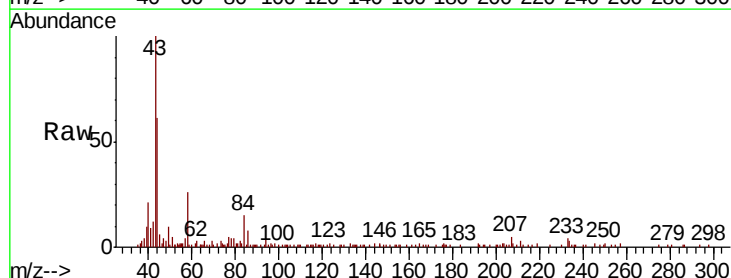
Instrument :
MSVOA_F
ClientSampled :

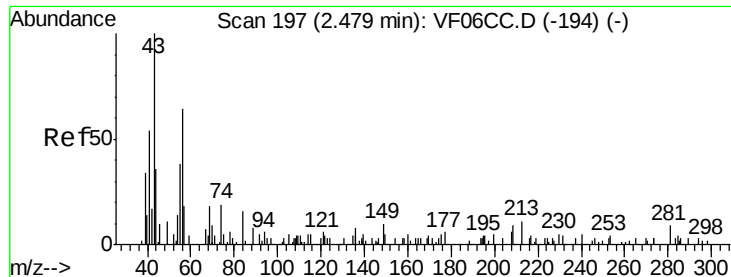
Tot Ion: 59 Resp: 790
Ion Ratio Lower Upper
59 100
57 72.7 9.2 13.8#



#16
Acetone
Concen: 80.852 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.03 min
Lab File: VF062926.D
Acq: 12 Jun 2019 14:36

Tgt Ion: 43 Resp: 49925
Ion Ratio Lower Upper
43 100
58 26.5 19.0 28.4

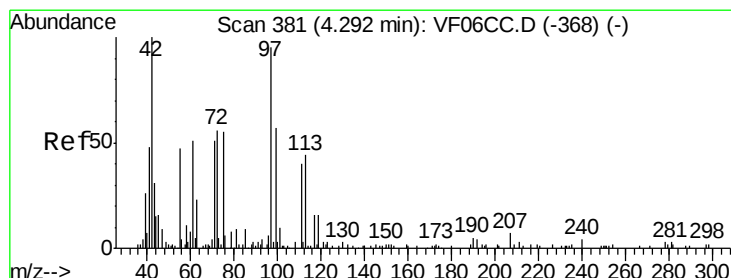
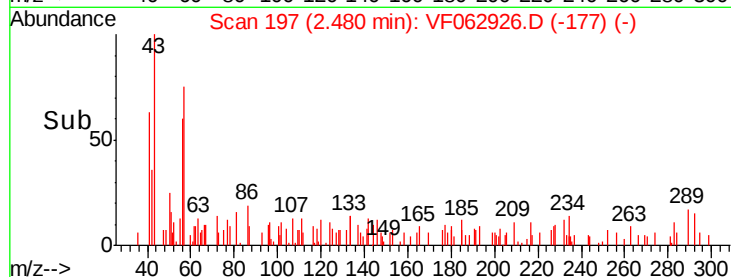
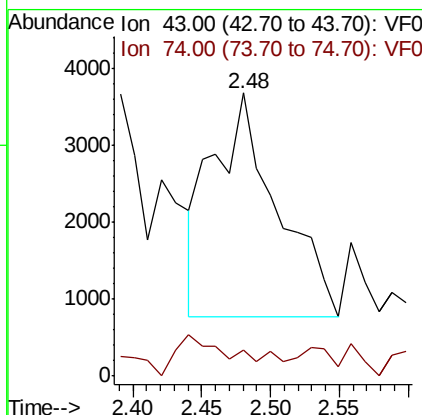
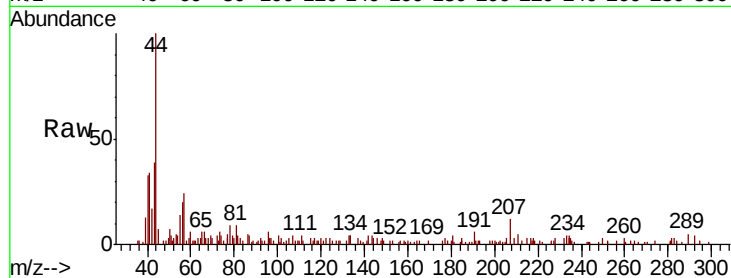




#18
Methyl Acetate
Concen: 8.871 ug/l
RT: 2.48 min Scan# 197
Delta R.T. -0.00 min
Lab File: VF062926.D
Acq: 12 Jun 2019 14:36

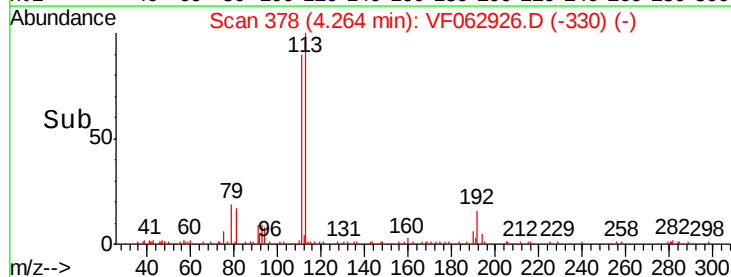
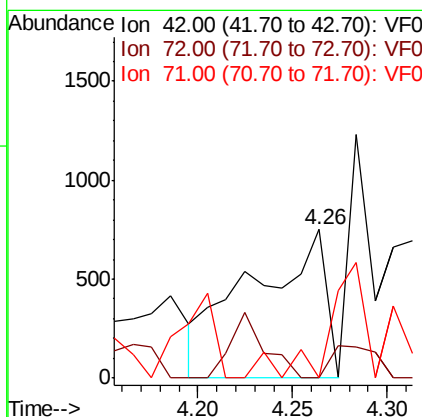
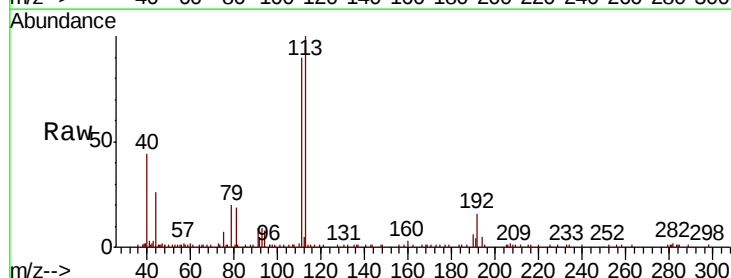
Instrument :
MSVOA_F
ClientSampleId :

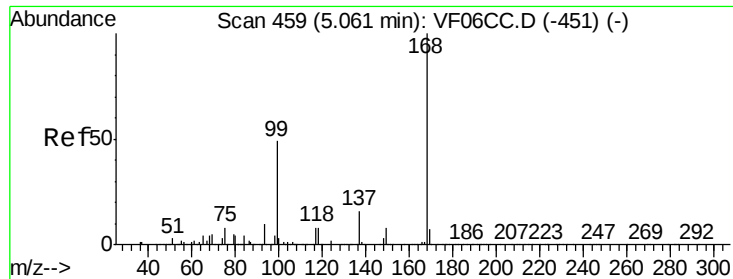
Tot Ion: 43 Resp: 9572
Ion Ratio Lower Upper
43 100
74 9.4 22.1 33.1#



#29
Tetrahydrofuran
Concen: 3.751 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.03 min
Lab File: VF062926.D
Acq: 12 Jun 2019 14:36

Tgt Ion: 42 Resp: 2063
Ion Ratio Lower Upper
42 100
72 0.0 39.0 58.6#
71 0.0 36.9 55.3#



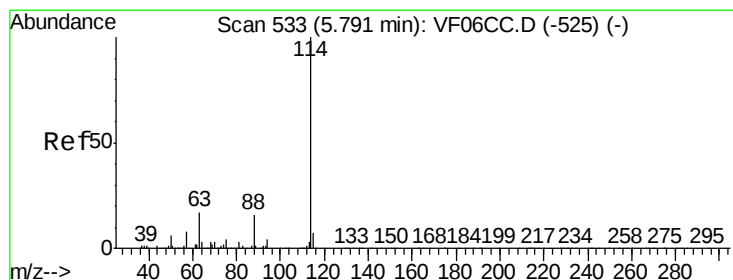
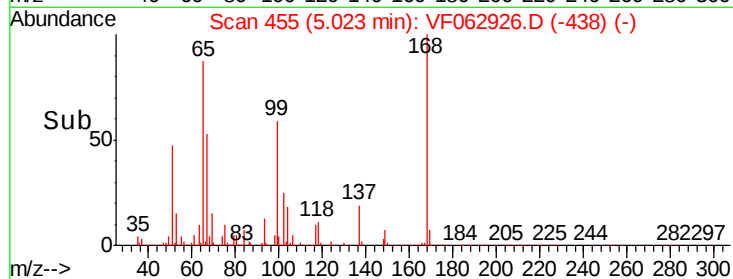
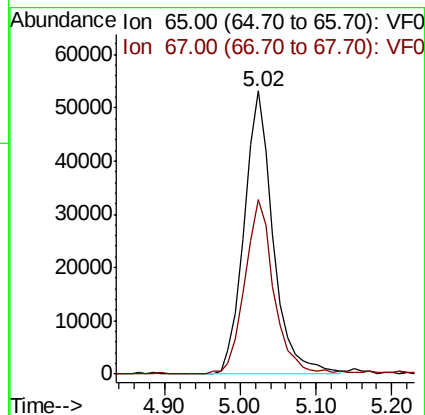
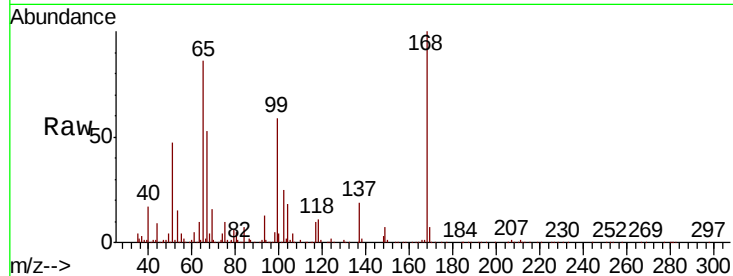


#33

1,2-Dichloroethane-d4
Concen: 52.331 ug/l
RT: 5.02 min Scan# 455
Delta R.T. -0.03 min
Lab File: VF062926.D
Acq: 12 Jun 2019 14:36

Instrument :
MSVOA_F
ClientSampled :

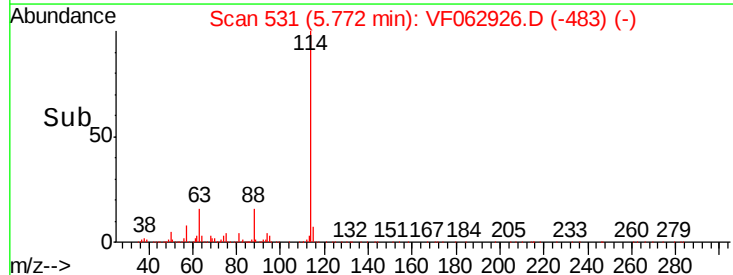
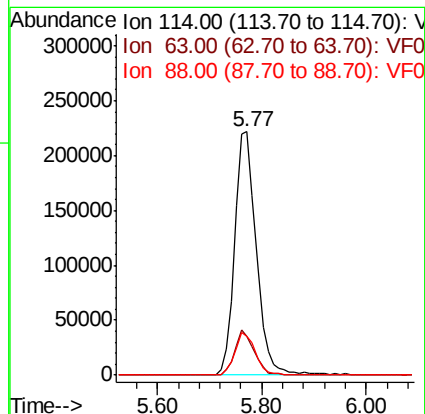
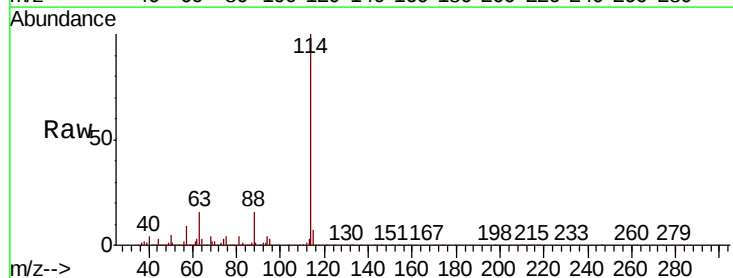
Tot Ion: 65 Resp: 141183
Ion Ratio Lower Upper
65 100
67 61.6 0.0 121.2

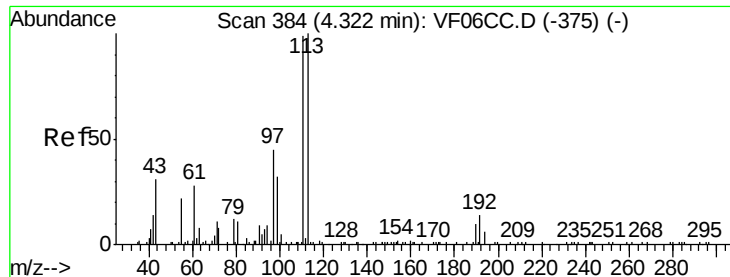


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.77 min Scan# 531
Delta R.T. -0.03 min
Lab File: VF062926.D
Acq: 12 Jun 2019 14:36

Tgt Ion: 114 Resp: 623986
Ion Ratio Lower Upper
114 100
63 16.1 0.0 34.2
88 15.7 0.0 31.2

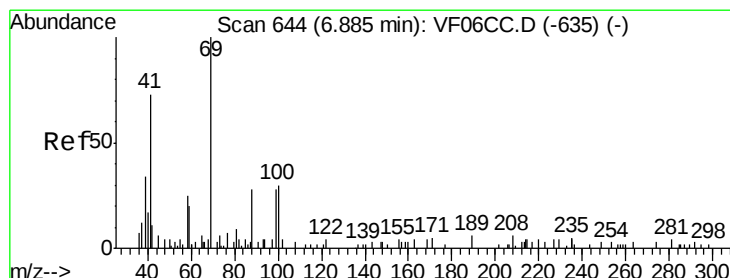
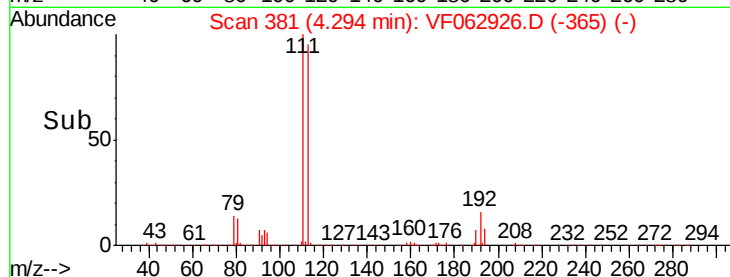
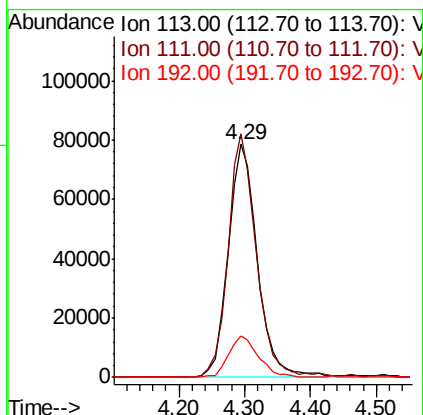
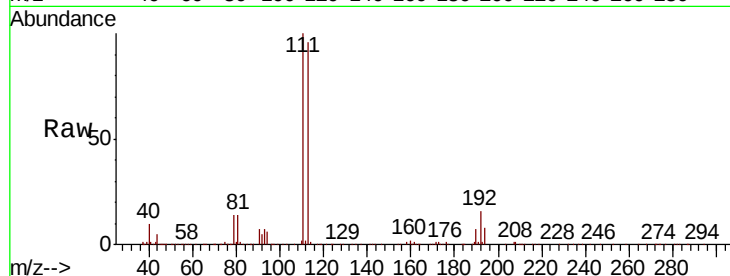




#35
Dibromofluoromethane
Concen: 51.747 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.04 min
Lab File: VF062926.D
Acq: 12 Jun 2019 14:36

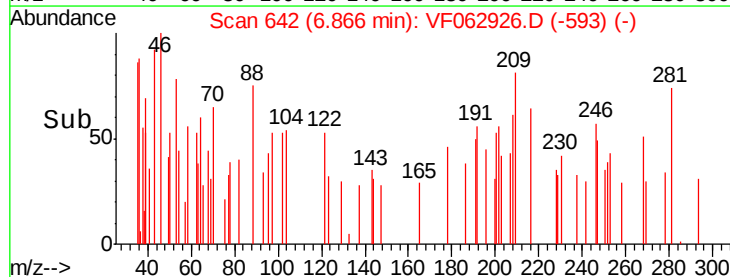
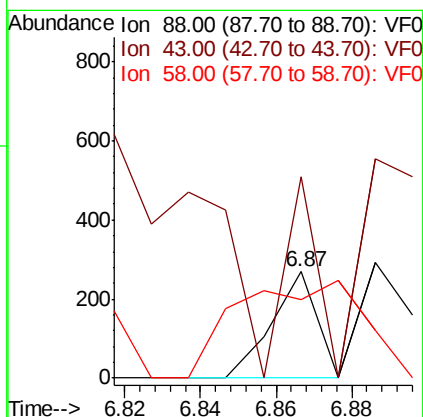
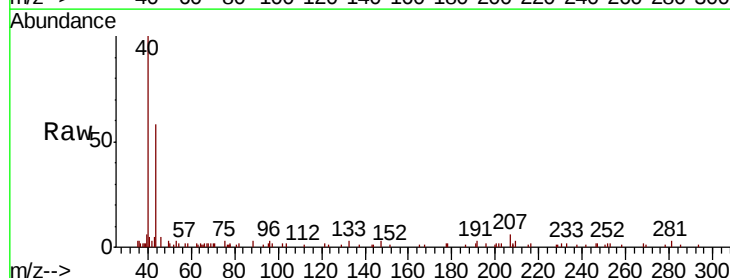
Instrument :
MSVOA_F
ClientSampleId :

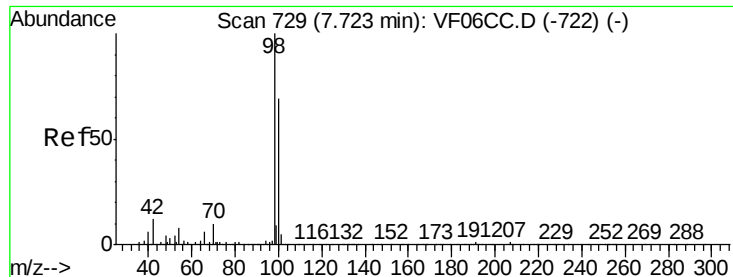
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	81.9	122.9
192	17.6	15.1	22.7



#49
1,4-Dioxane
Concen: 11.266 ug/l
RT: 6.87 min Scan# 642
Delta R.T. -0.02 min
Lab File: VF062926.D
Acq: 12 Jun 2019 14:36

Tgt Ion	Ratio	Lower	Upper
88	100		
43	189.2	34.8	52.2#
58	74.3	59.9	89.9

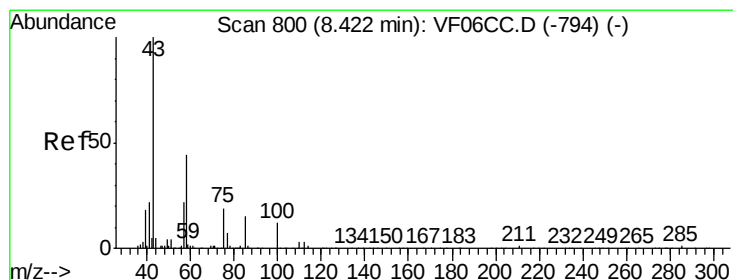
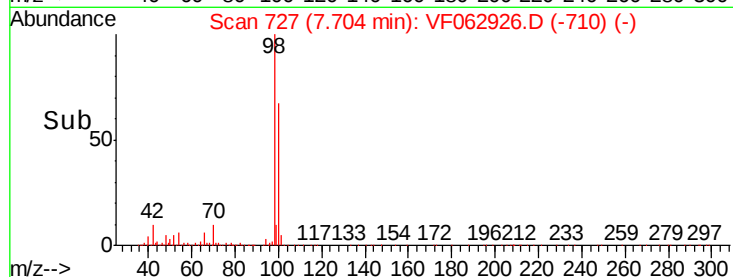
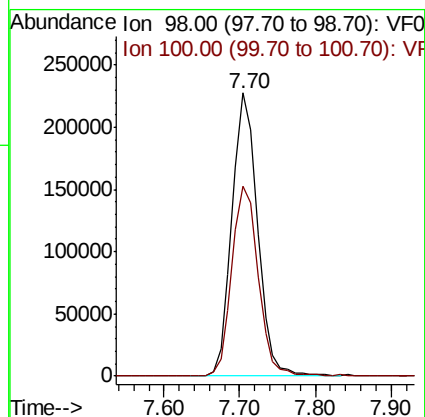
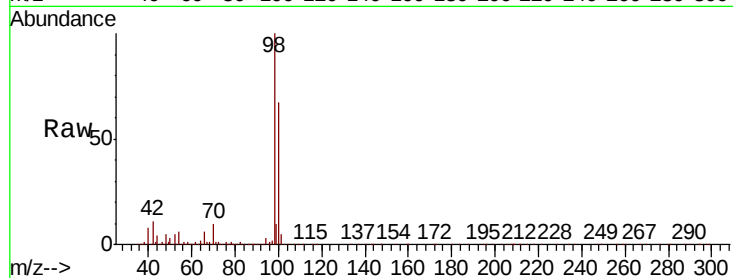




#50
Toluene-d8
Concen: 44.765 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.03 min
Lab File: VF062926.D
Acq: 12 Jun 2019 14:36

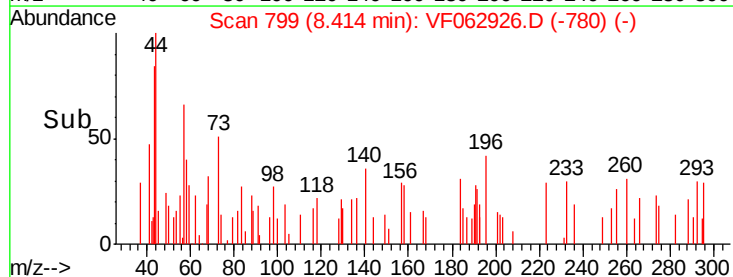
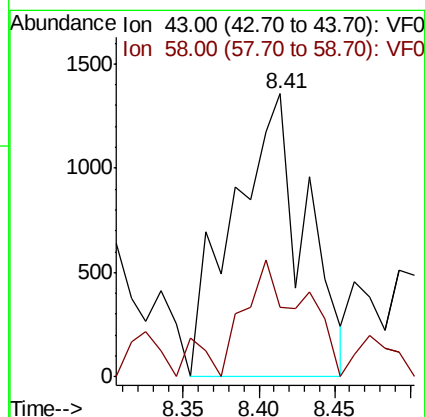
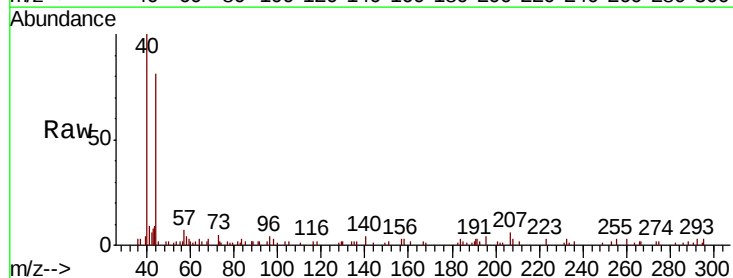
Instrument :
MSVOA_F
ClientSampleId :

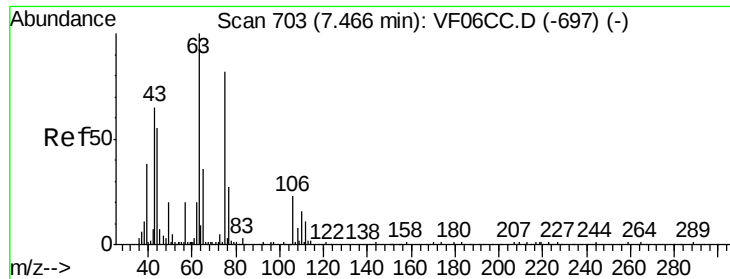
Tot Ion: 98 Resp: 533756
Ion Ratio Lower Upper
98 100
100 67.1 59.8 89.8



#51
4-Methyl-2-Pentanone
Concen: 2.163 ug/l
RT: 8.41 min Scan# 799
Delta R.T. -0.01 min
Lab File: VF062926.D
Acq: 12 Jun 2019 14:36

Tgt Ion: 43 Resp: 4479
Ion Ratio Lower Upper
43 100
58 24.6 35.5 53.3#

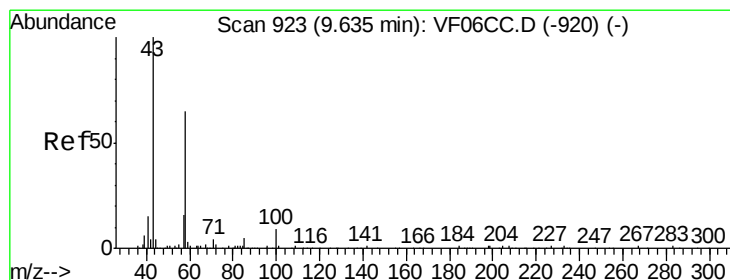
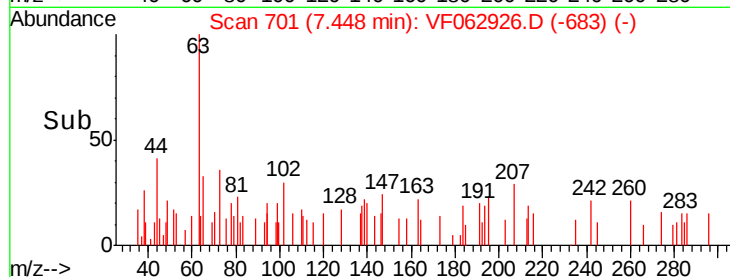
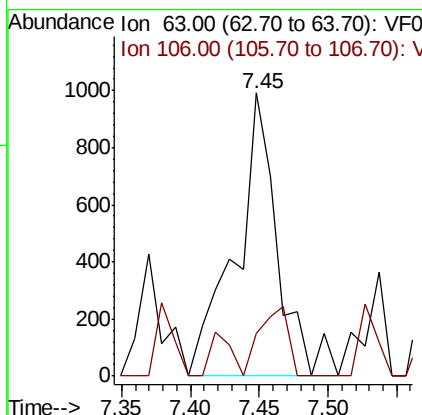
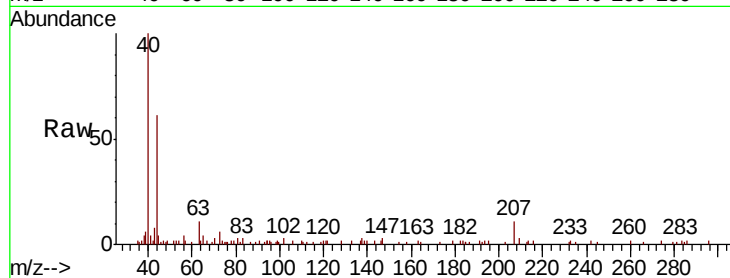




#58
2-Chloroethyl Vinyl ether
Concen: 2.079 ug/l
RT: 7.45 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF062926.D
Acq: 12 Jun 2019 14:36

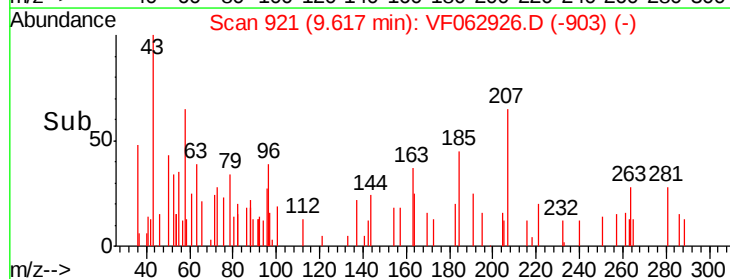
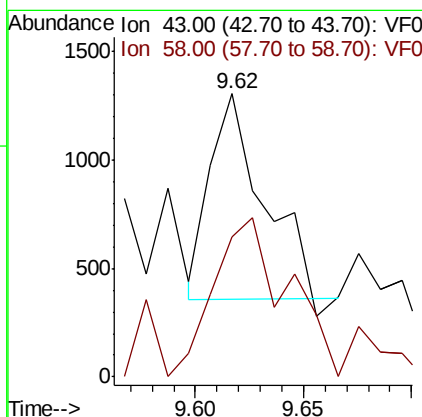
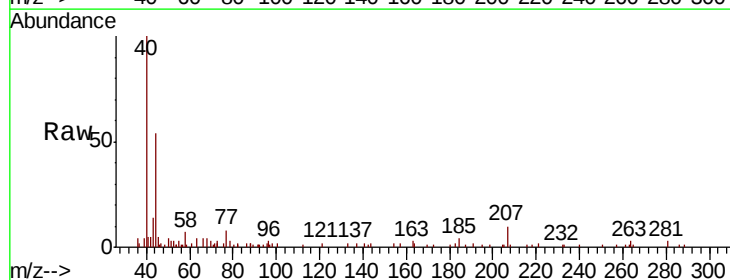
Instrument :
MSVOA_F
ClientSampleId :

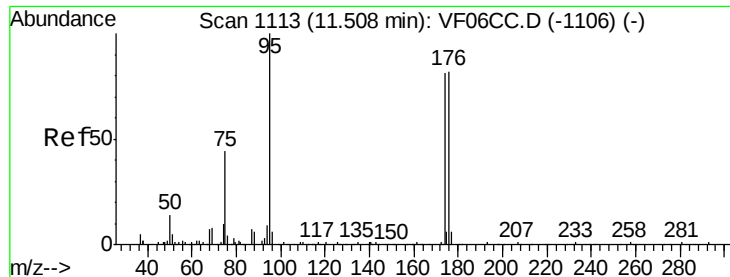
Tot Ion: 63 Resp: 2097
Ion Ratio Lower Upper
63 100
106 15.2 19.5 29.3#



#59
2-Hexanone
Concen: 1.099 ug/l
RT: 9.62 min Scan# 921
Delta R.T. -0.02 min
Lab File: VF062926.D
Acq: 12 Jun 2019 14:36

Tgt Ion: 43 Resp: 1622
Ion Ratio Lower Upper
43 100
58 49.7 29.3 87.9





#62

4-Bromofluorobenzene

Concen: 42.377 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062926.D

Acq: 12 Jun 2019 14:36

Instrument :

MSVOA_F

ClientSampled :

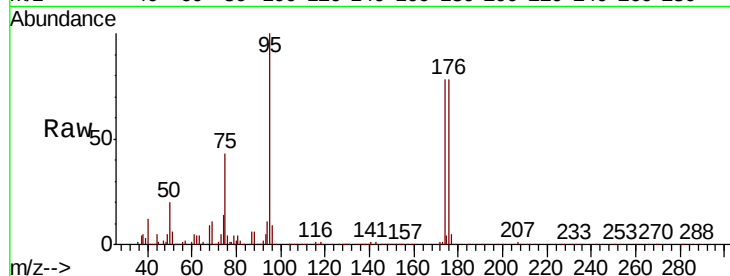
Tot Ion: 95 Resp: 181758

Ion Ratio Lower Upper

95 100

174 78.1 0.0 170.6

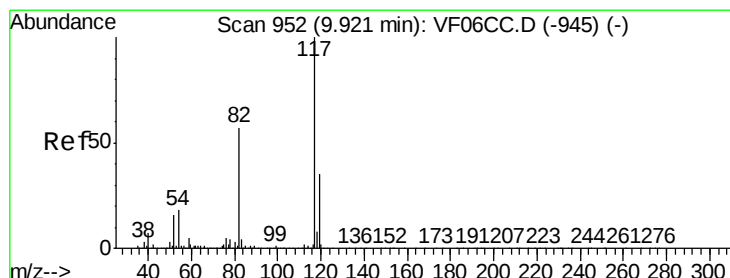
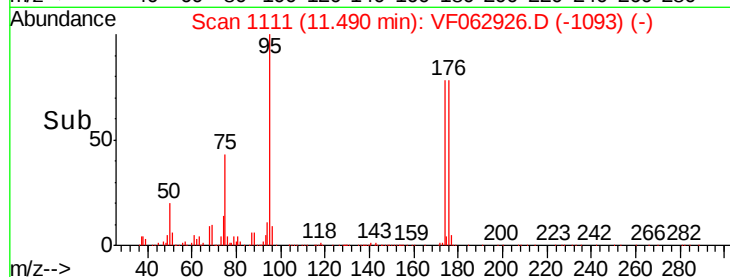
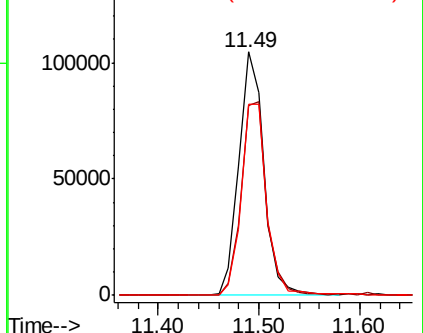
176 78.3 0.0 170.6



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: 9.90 min Scan# 950

Delta R.T. -0.03 min

Lab File: VF062926.D

Acq: 12 Jun 2019 14:36

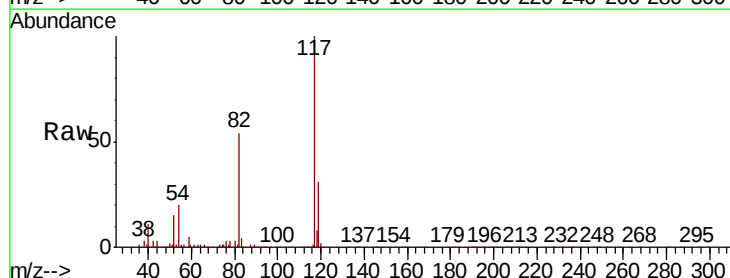
Tgt Ion: 117 Resp: 447999

Ion Ratio Lower Upper

117 100

82 54.4 42.4 63.6

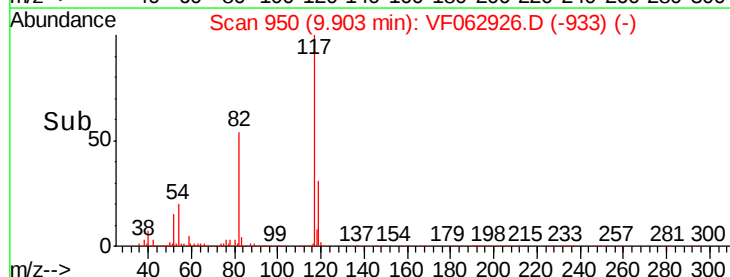
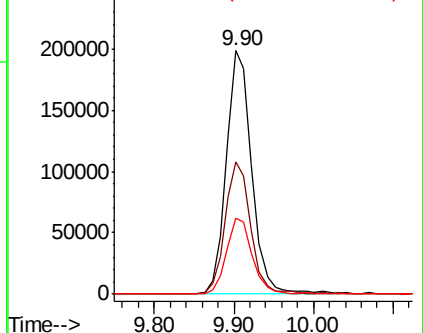
119 31.2 27.1 40.7

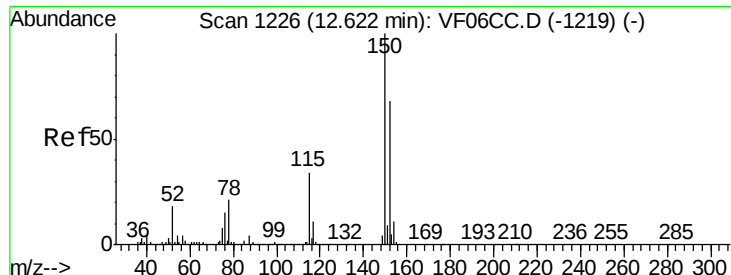


Abundance Ion 117.00 (116.70 to 117.70): V

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. -0.01 min

Lab File: VF062926.D

Acq: 12 Jun 2019 14:36

Instrument :

MSVOA_F

ClientSampleId :

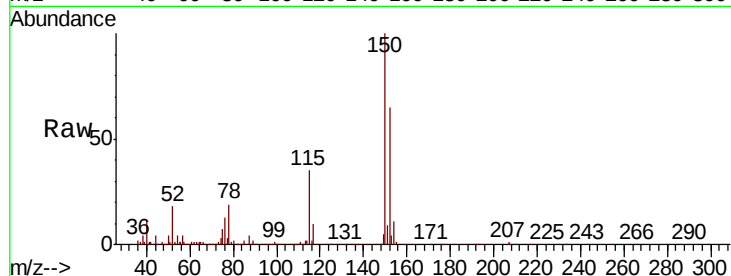
Tot Ion:152 Resp: 183262

Ion Ratio Lower Upper

152 100

115 54.2 24.6 74.0

150 154.1 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

