

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061019\
 Data File : VF062913.D
 Acq On : 10 Jun 2019 18:25
 Operator : FY/SY
 Sample : K3273-16RE
 Misc : 4.69g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 11 01:20:38 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	681908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1183485	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	873283	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	400588	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	244599	51.87	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	103.74%	
35) Dibromofluoromethane	4.32	113	443359	49.58	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	99.16%	
50) Toluene-d8	7.72	98	835109	36.93	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	73.86%	
62) 4-Bromofluorobenzene	11.49	95	336526	41.37	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	82.74%	

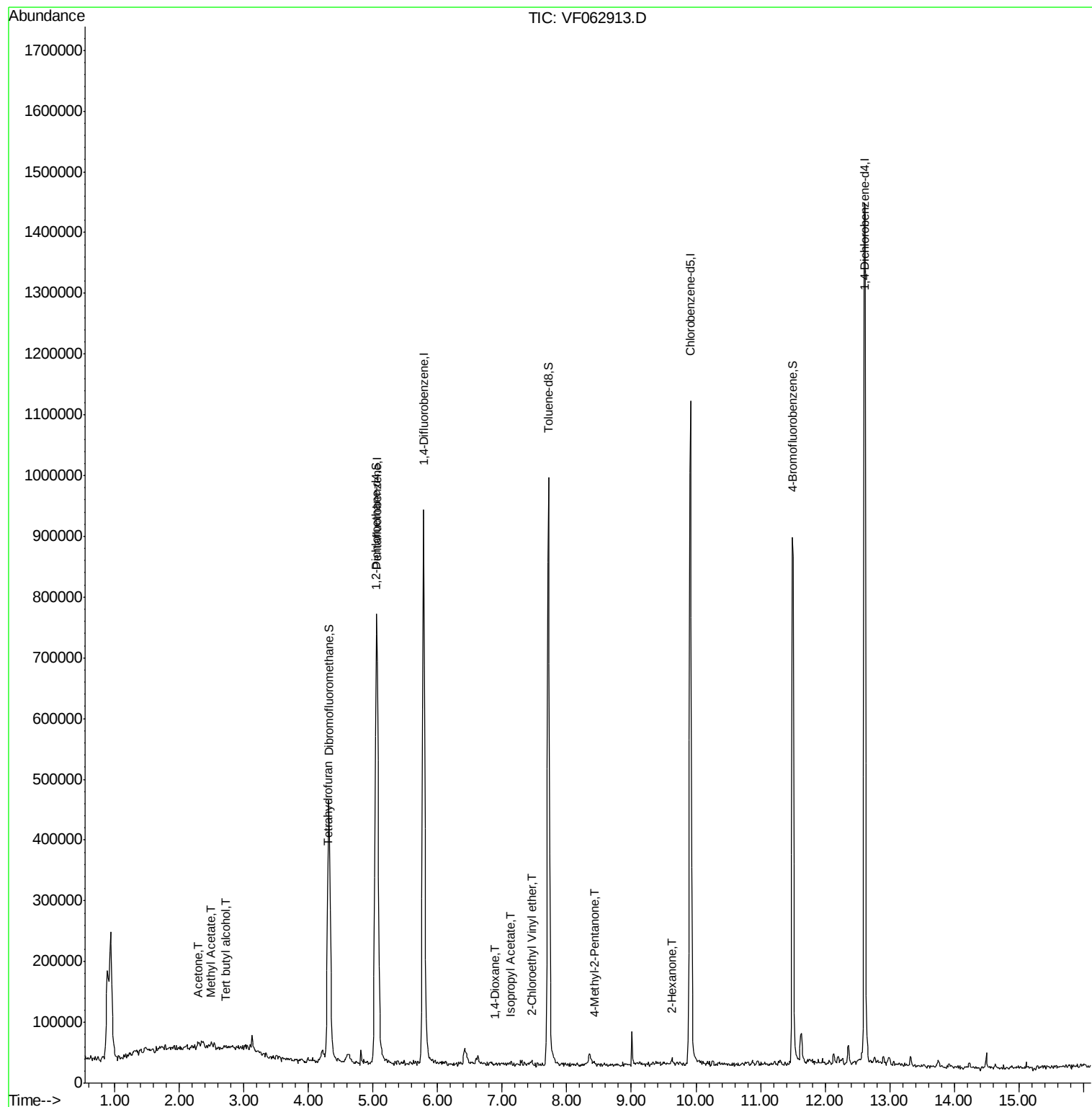
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	1614	Below Cal		83
11) Tert butyl alcohol	2.73	59	979	3.427 ug/l #		1
13) Acrolein	2.11	56	436	Below Cal #		64
16) Acetone	2.28	43	3573	3.311 ug/l		94
18) Methyl Acetate	2.48	43	3791	2.010 ug/l #		74
20) Methylene Chloride	2.34	84	3828	Below Cal #		75
29) Tetrahydrofuran	4.29	42	2217	2.306 ug/l #		82
43) Isopropyl Acetate	7.14	43	7989	1.452 ug/l #		97
49) 1,4-Dioxane	6.89	88	410	10.970 ug/l #		37
51) 4-Methyl-2-Pentanone	8.43	43	5283	1.345 ug/l #		61
58) 2-Chloroethyl Vinyl ether	7.45	63	3040	1.589 ug/l #		81
59) 2-Hexanone	9.64	43	5500	1.965 ug/l #		57

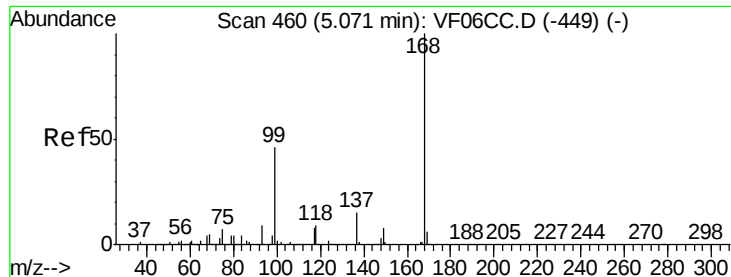
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061019\
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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: VF062913.D

Acq: 10 Jun 2019 18:25

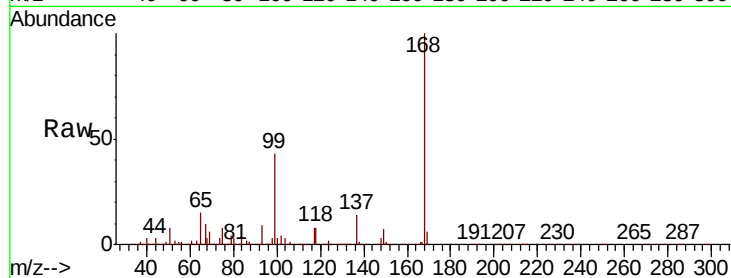
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 681908

Ion Ratio Lower Upper

168 100

99 42.7 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

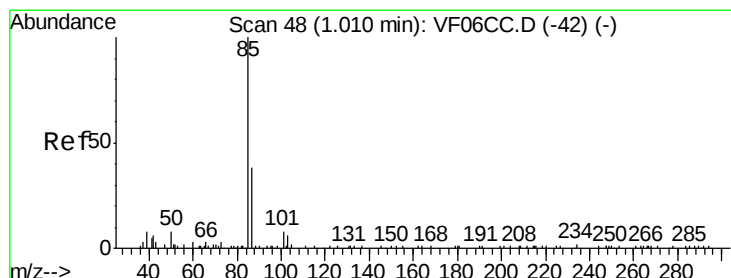
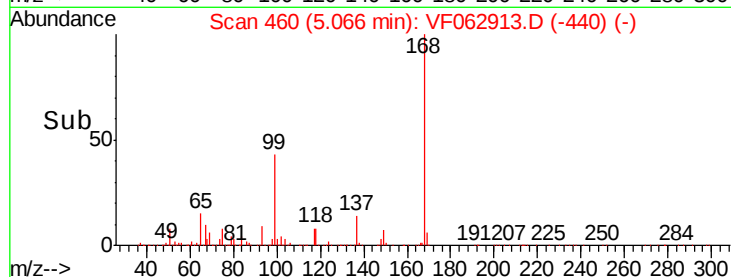
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.02 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF062913.D

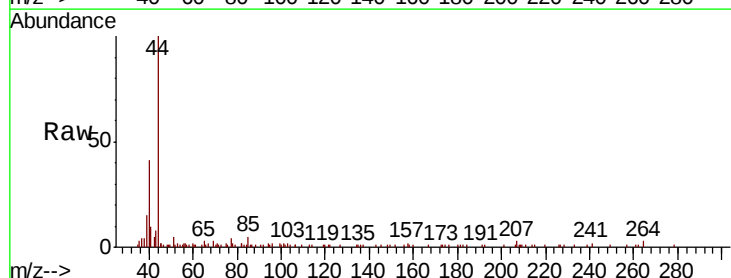
Acq: 10 Jun 2019 18:25

Tgt Ion: 85 Resp: 1614

Ion Ratio Lower Upper

85 100

87 25.4 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.02

800

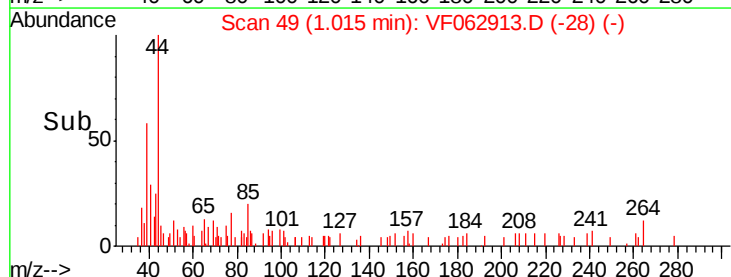
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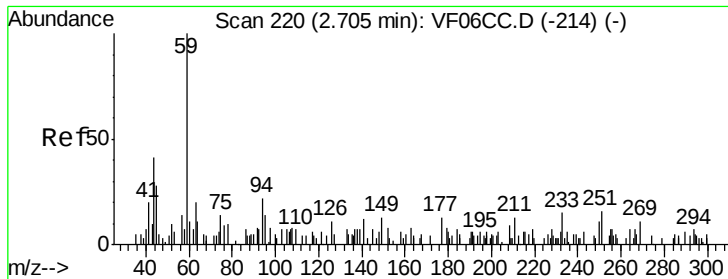
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200

0

Time-->

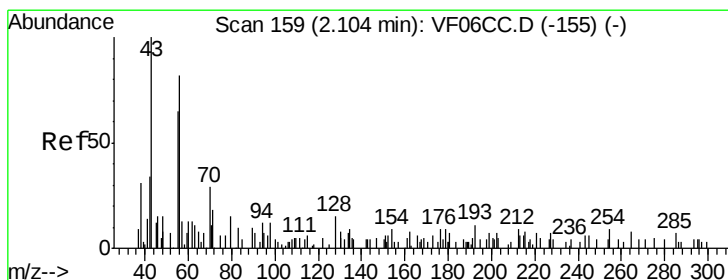
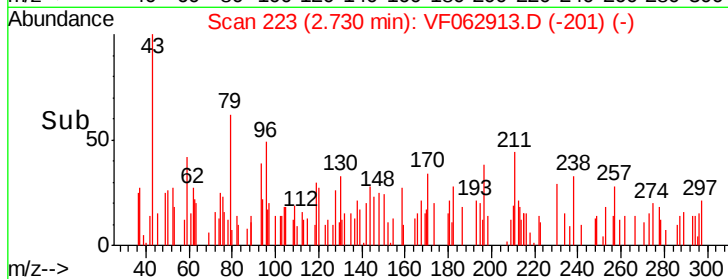
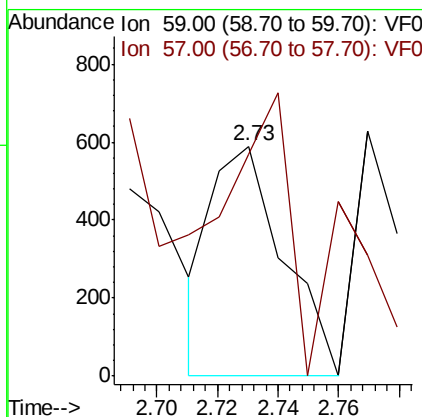
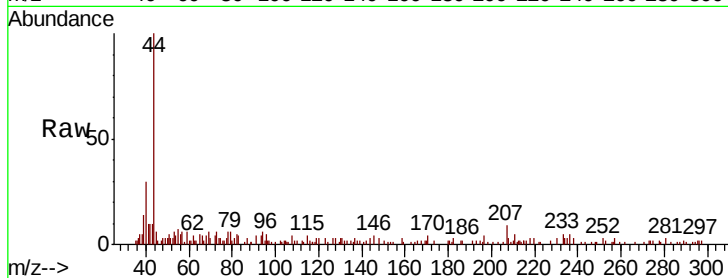




#11
Tert butvl alcohol
Concen: 3.427 ug/l
RT: 2.73 min Scan# 223
Delta R.T. 0.01 min
Lab File: VF062913.D
Acq: 10 Jun 2019 18:25

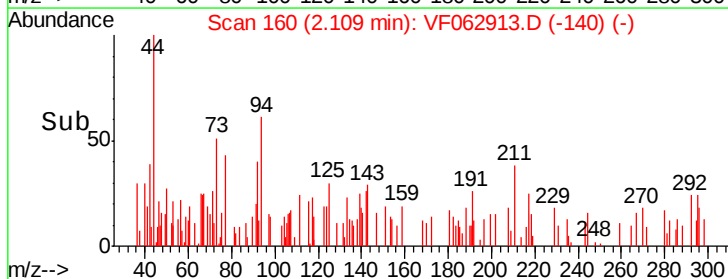
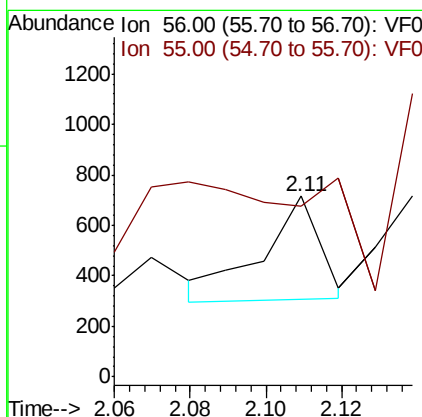
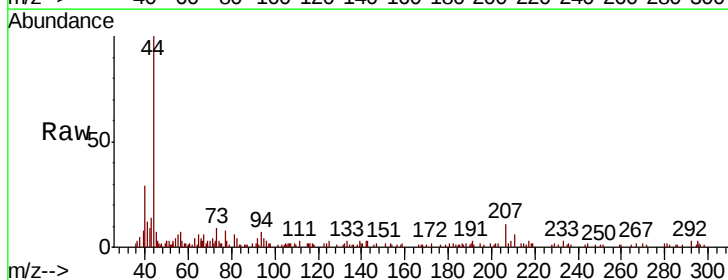
Instrument :
MSVOA_F
ClientSampled :

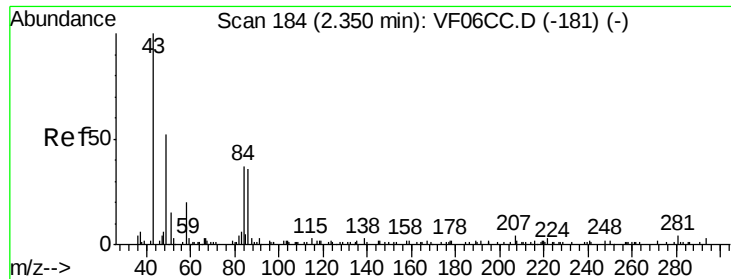
Tot Ion: 59 Resp: 979
Ion Ratio Lower Upper
59 100
57 96.8 9.2 13.8#



#13
Acrolein
Concen: Below Cal
RT: 2.11 min Scan# 160
Delta R.T. -0.01 min
Lab File: VF062913.D
Acq: 10 Jun 2019 18:25

Tgt Ion: 56 Resp: 436
Ion Ratio Lower Upper
56 100
55 94.7 52.9 79.3#

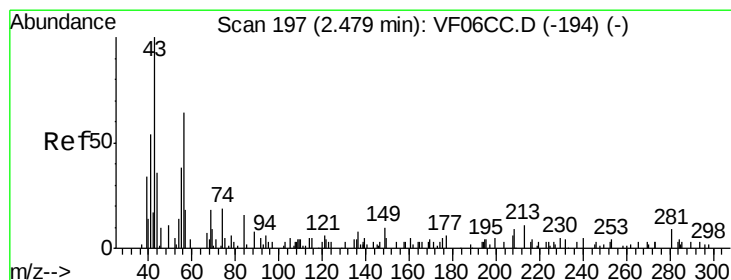
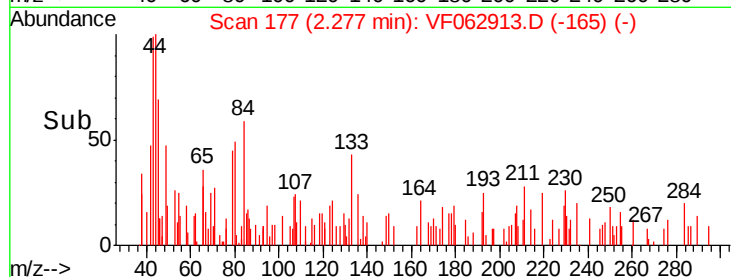
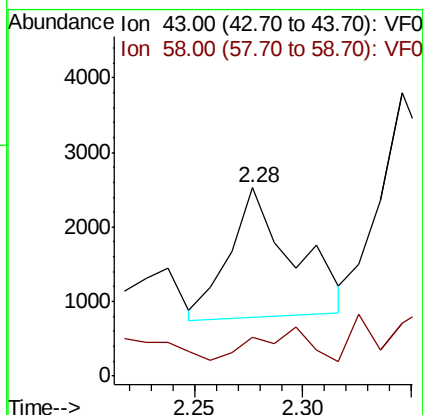
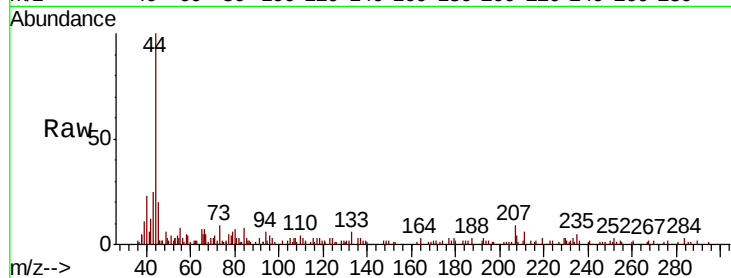




#16
Acetone
Concen: 3.311 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.09 min
Lab File: VF062913.D
Acq: 10 Jun 2019 18:25

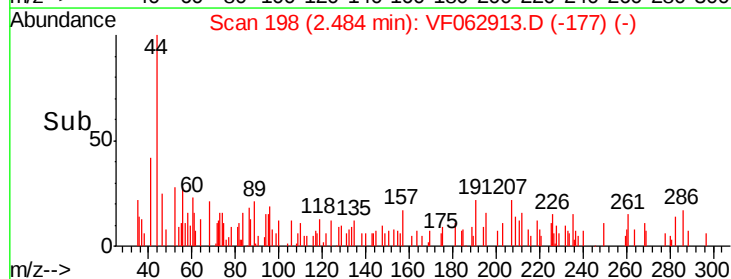
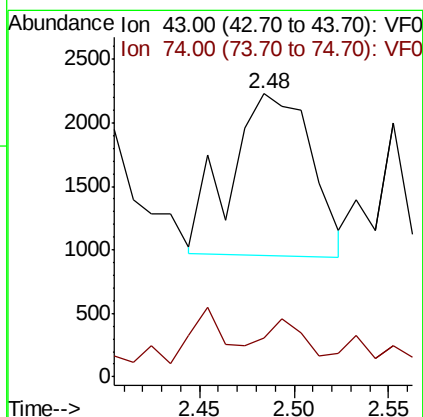
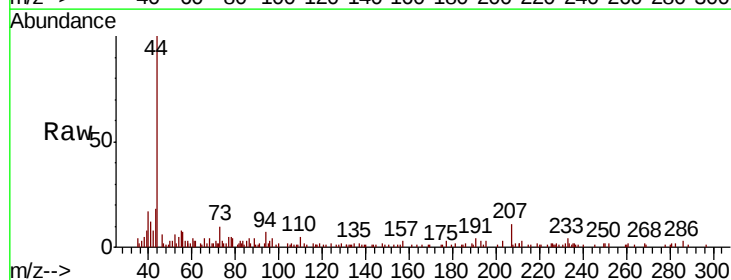
Instrument :
MSVOA_F
ClientSampleId :

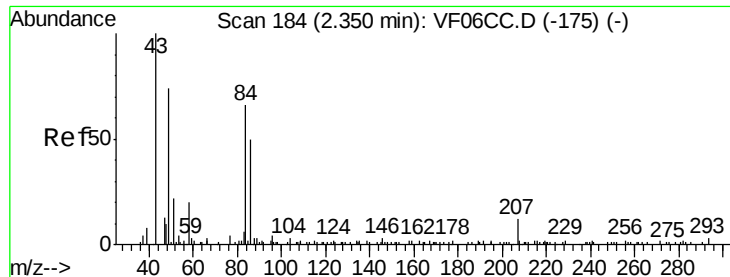
Tot Ion: 43 Resp: 3573
Ion Ratio Lower Upper
43 100
58 20.9 19.0 28.4



#18
Methyl Acetate
Concen: 2.010 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF062913.D
Acq: 10 Jun 2019 18:25

Tgt Ion: 43 Resp: 3791
Ion Ratio Lower Upper
43 100
74 13.9 22.1 33.1#

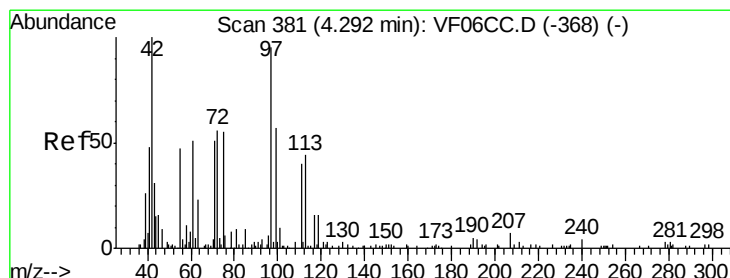
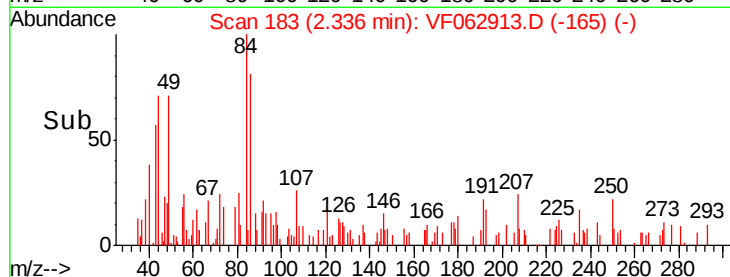
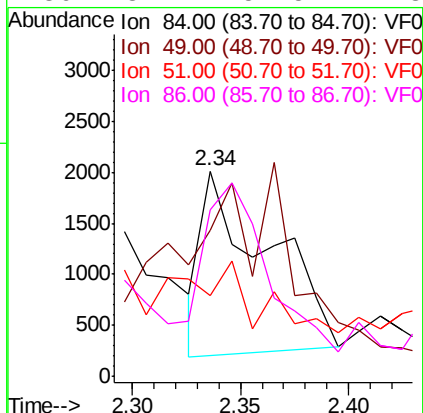
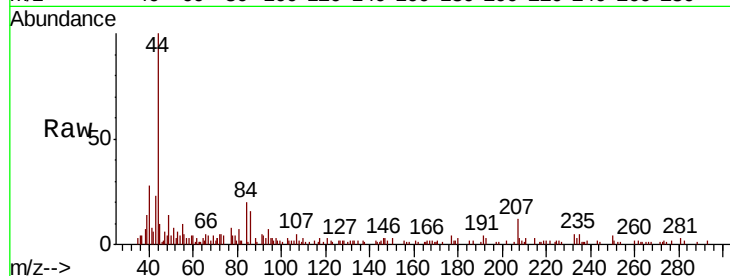




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.34 min Scan# 183
Delta R.T. -0.03 min
Lab File: VF062913.D
Acq: 10 Jun 2019 18:25

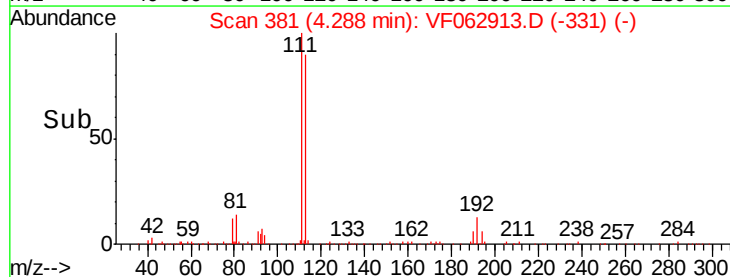
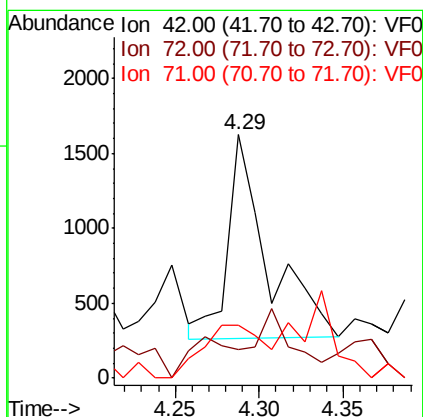
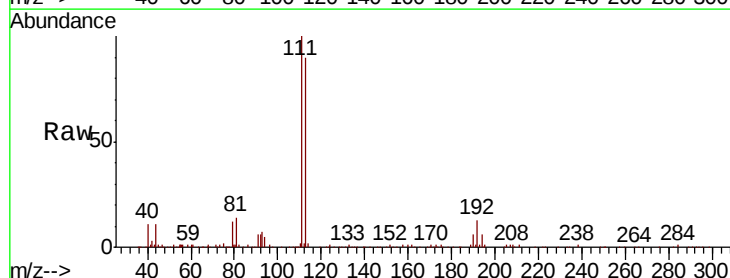
Instrument :
MSVOA_F
ClientSampled :

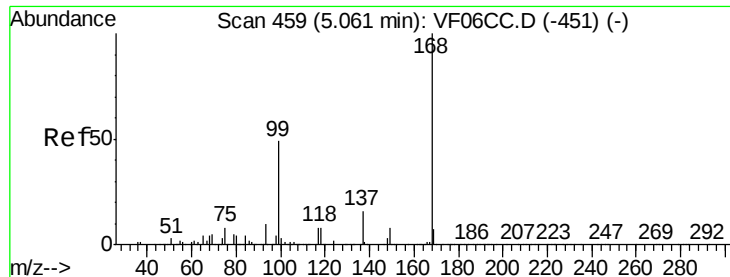
Tot Ion: 84 Resp: 3828
Ion Ratio Lower Upper
84 100
49 71.4 82.6 123.8#
51 39.2 25.0 37.4#
86 81.2 51.5 77.3#



#29
Tetrahydrofuran
Concen: 2.306 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062913.D
Acq: 10 Jun 2019 18:25

Tgt Ion: 42 Resp: 2217
Ion Ratio Lower Upper
42 100
72 30.8 39.0 58.6#
71 40.5 36.9 55.3

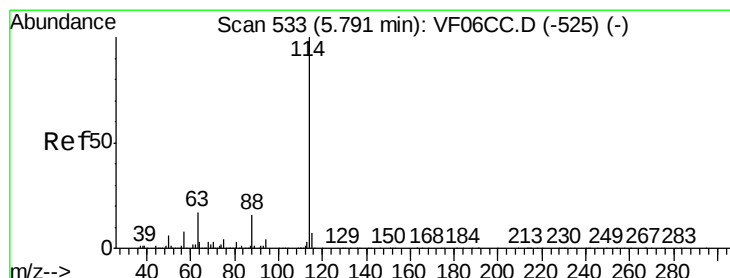
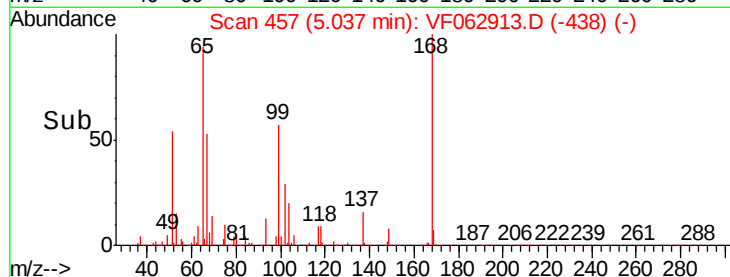
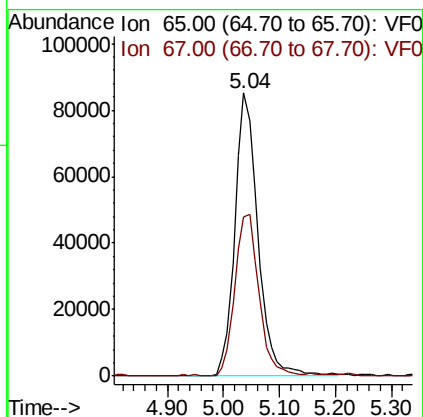
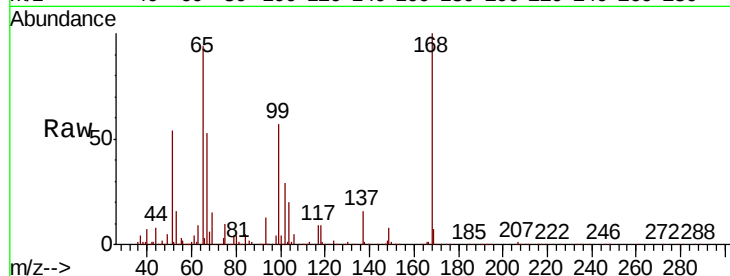




#33
 1,2-Dichloroethane-d4
 Concen: 51.872 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. -0.02 min
 Lab File: VF062913.D
 Acq: 10 Jun 2019 18:25

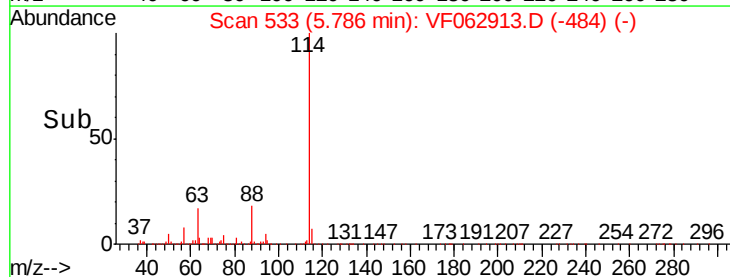
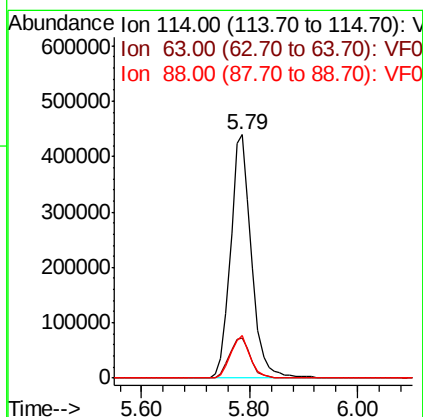
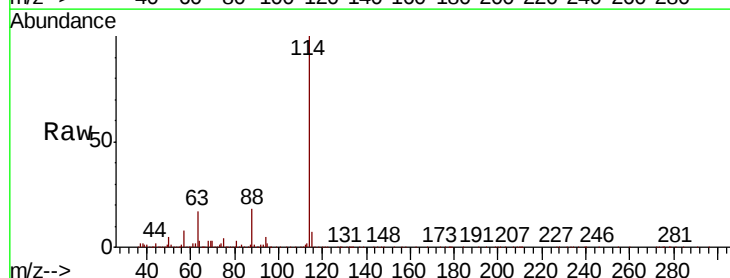
Instrument :
 MSVOA_F
 ClientSampleId :

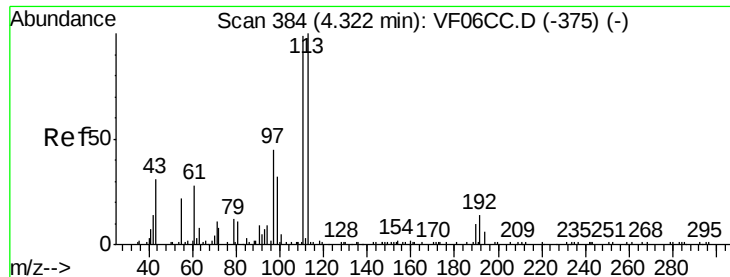
Tot Ion: 65 Resp: 244599
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 121.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.02 min
 Lab File: VF062913.D
 Acq: 10 Jun 2019 18:25

Tgt Ion:114 Resp: 1183485
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 34.2
 88 17.5 0.0 31.2

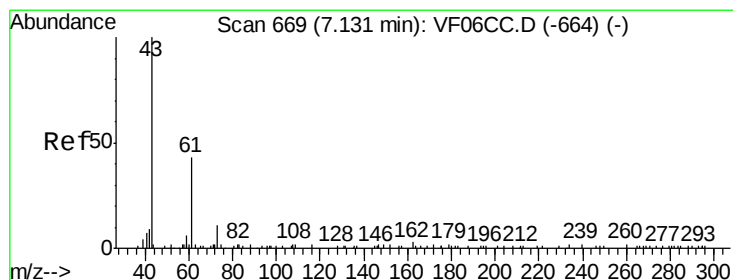
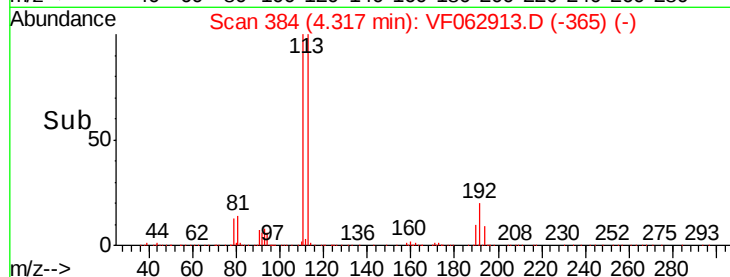
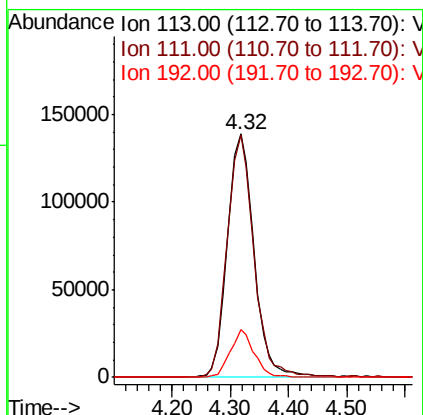
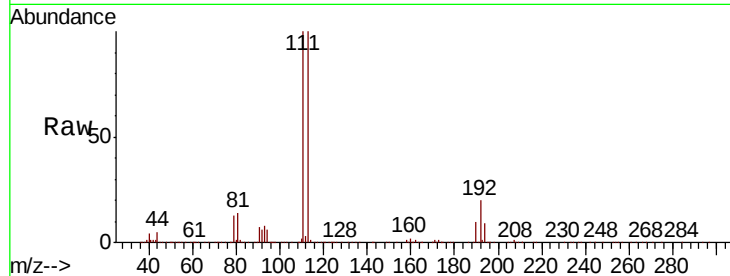




#35
 Dibromofluoromethane
 Concen: 49.576 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. -0.02 min
 Lab File: VF062913.D
 Acq: 10 Jun 2019 18:25

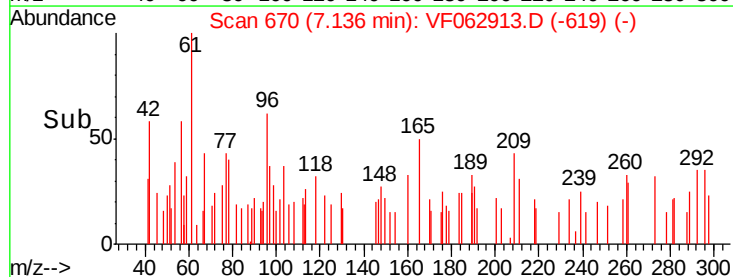
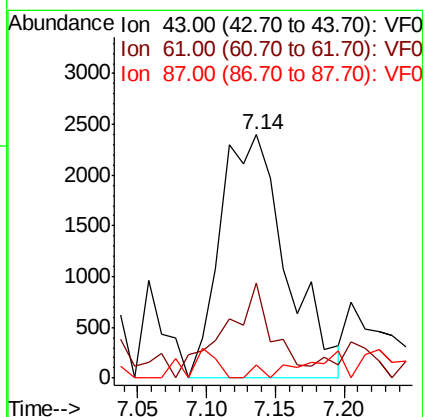
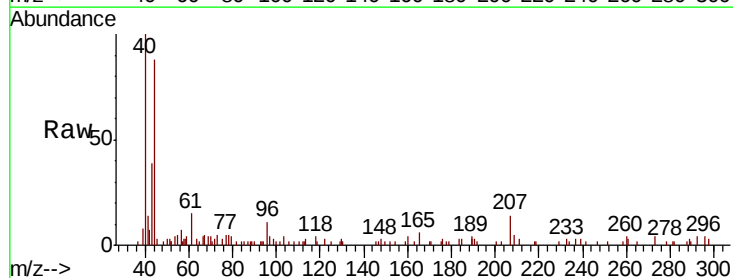
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 ClientSampleId :

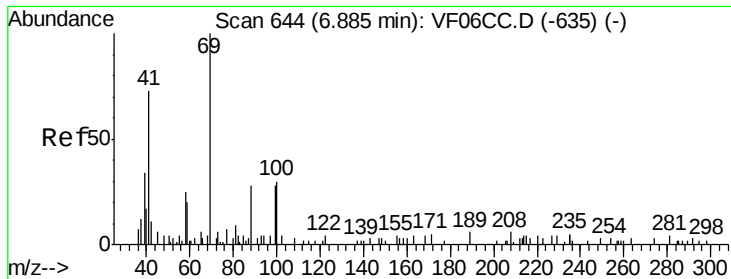
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.6	81.9	122.9
192	19.7	15.1	22.7



#43
 Isopropyl Acetate
 Concen: 1.452 ug/l
 RT: 7.14 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VF062913.D
 Acq: 10 Jun 2019 18:25

Tgt Ion	Ratio	Lower	Upper
43	100		
61	39.2	29.8	44.6
87	5.3	0.3	0.5#

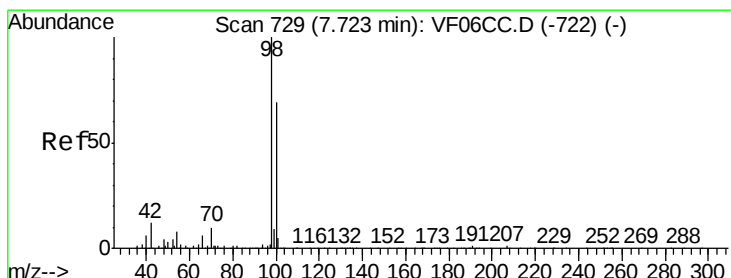
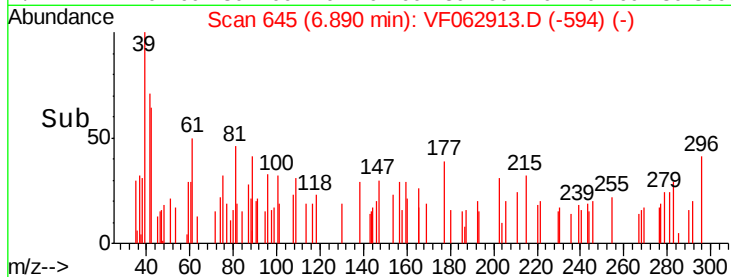
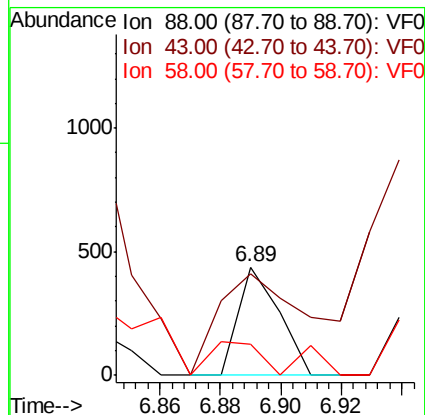
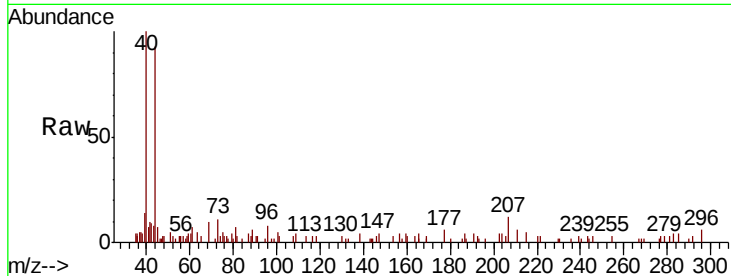




#49
1,4-Dioxane
Concen: 10.970 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.00 min
Lab File: VF062913.D
Acq: 10 Jun 2019 18:25

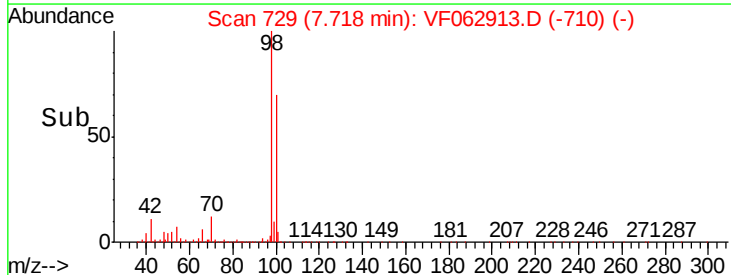
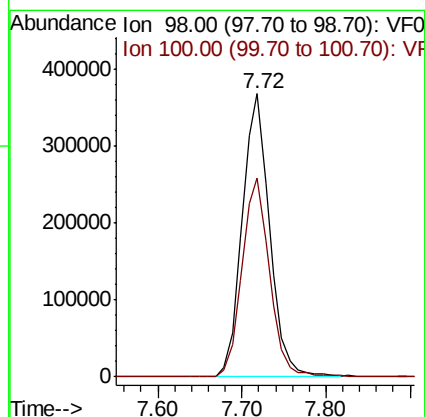
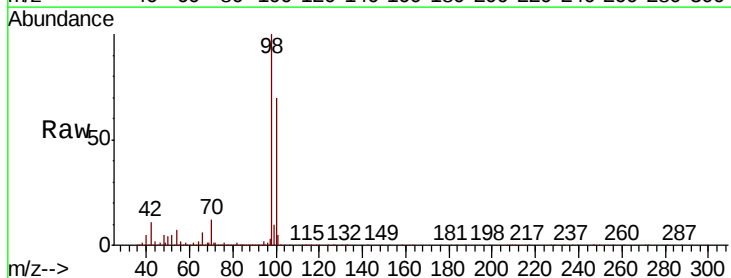
Instrument :
MSVOA_F
ClientSampleId :

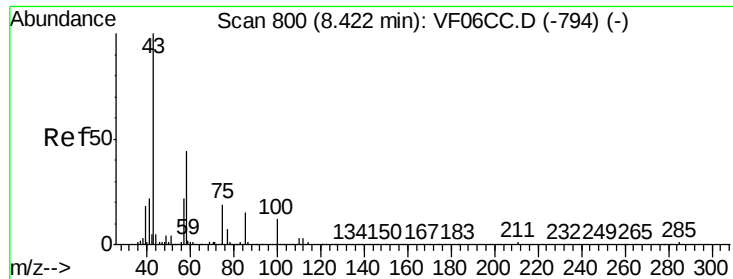
Tot Ion: 88 Resp: 410
Ion Ratio Lower Upper
88 100
43 93.4 34.8 52.2#
58 28.6 59.9 89.9#



#50
Toluene-d8
Concen: 36.927 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.02 min
Lab File: VF062913.D
Acq: 10 Jun 2019 18:25

Tgt Ion: 98 Resp: 835109
Ion Ratio Lower Upper
98 100
100 70.4 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 1.345 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF062913.D

Acq: 10 Jun 2019 18:25

Instrument :

MSVOA_F

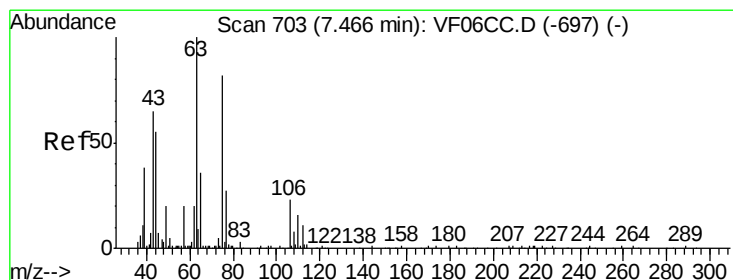
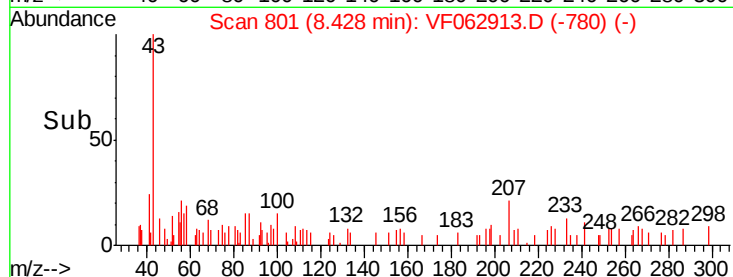
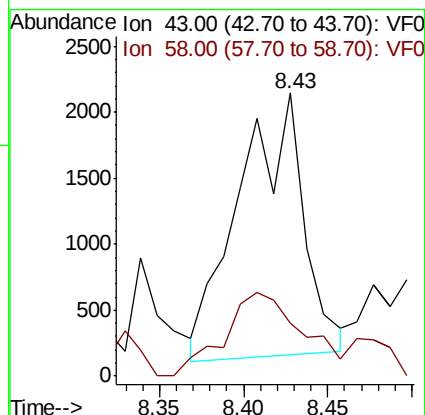
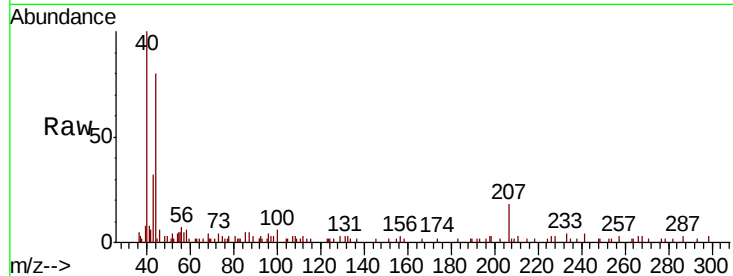
ClientSampled :

Tot Ion: 43 Resp: 5283

Ion Ratio Lower Upper

43 100

58 18.8 35.5 53.3#



#58

2-Chloroethyl Vinyl ether

Concen: 1.589 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF062913.D

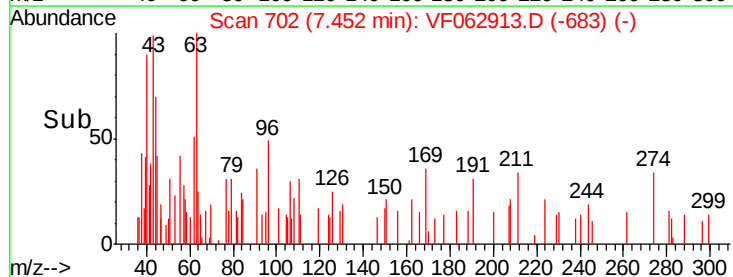
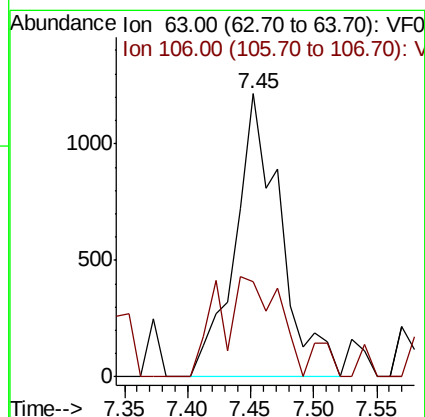
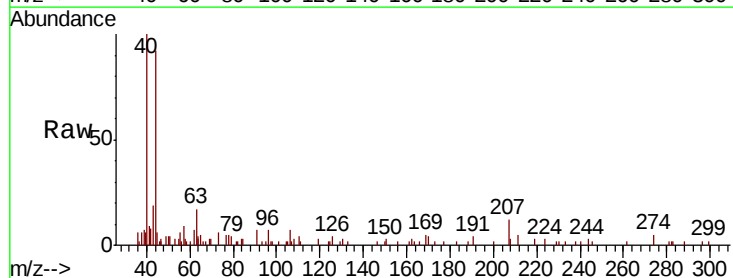
Acq: 10 Jun 2019 18:25

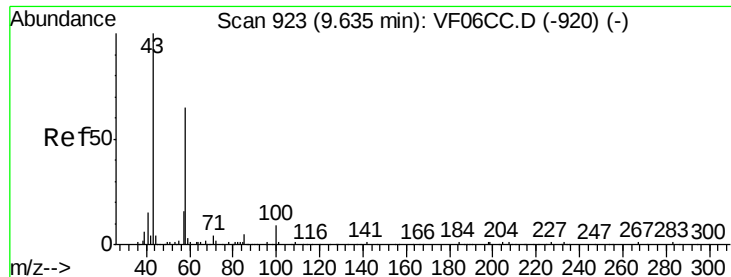
Tgt Ion: 63 Resp: 3040

Ion Ratio Lower Upper

63 100

106 33.9 19.5 29.3#

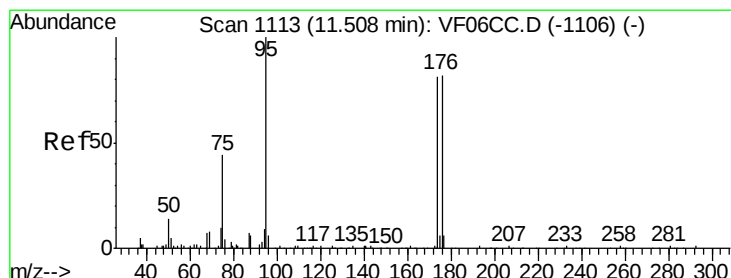
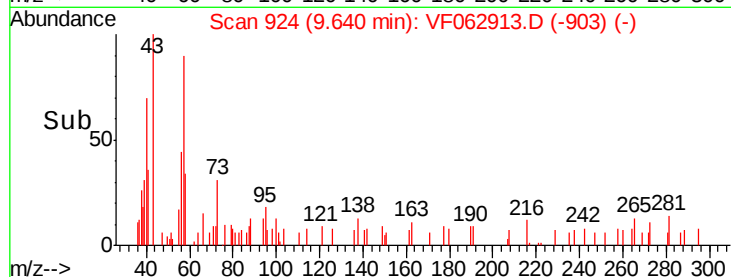
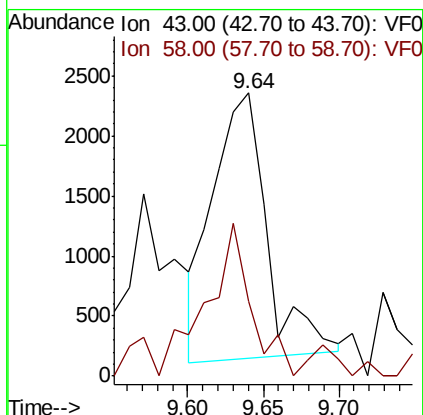
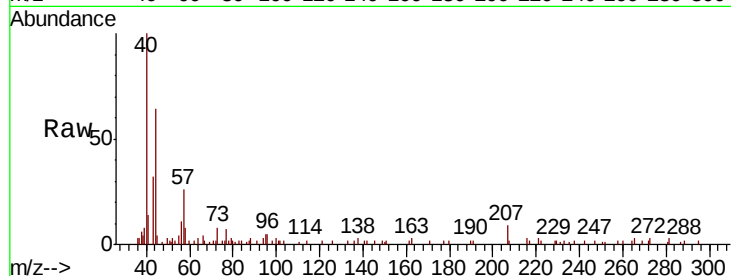




#59
2-Hexanone
Concen: 1.965 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF062913.D
Acq: 10 Jun 2019 18:25

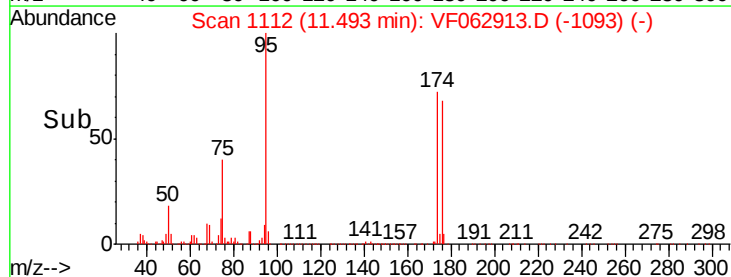
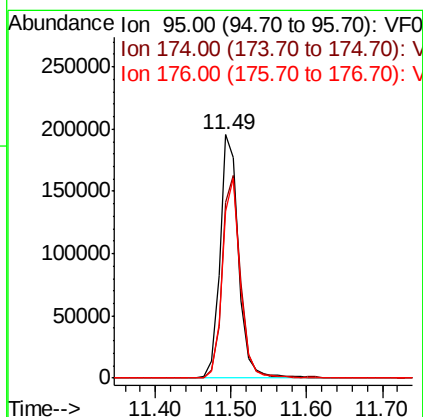
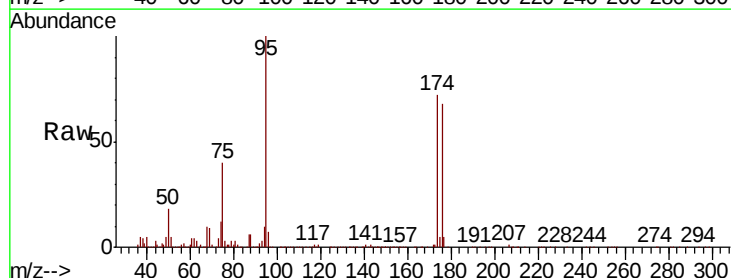
Instrument :
MSVOA_F
ClientSampleId :

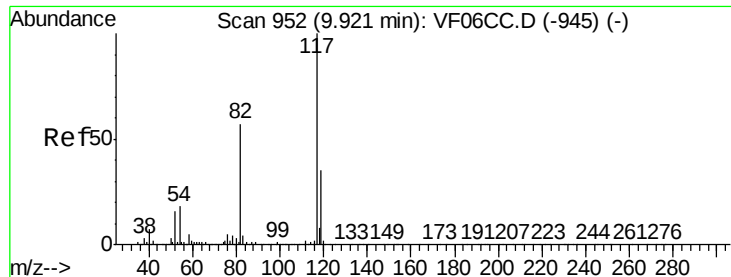
Tot Ion: 43 Resp: 5500
Ion Ratio Lower Upper
43 100
58 26.4 29.3 87.9#



#62
4-Bromofluorobenzene
Concen: 41.369 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. -0.02 min
Lab File: VF062913.D
Acq: 10 Jun 2019 18:25

Tgt Ion: 95 Resp: 336526
Ion Ratio Lower Upper
95 100
174 72.2 0.0 170.6
176 68.4 0.0 170.6

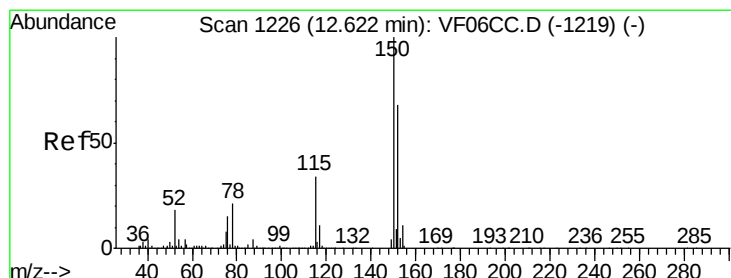
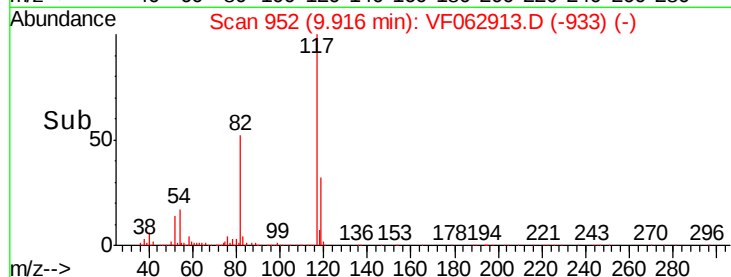
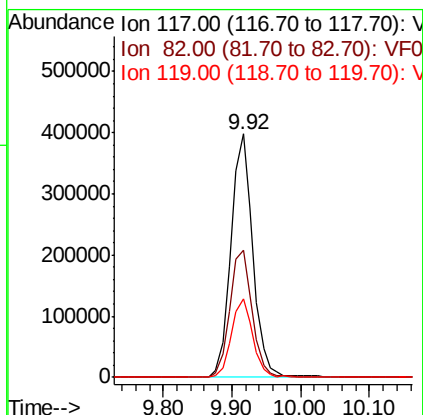
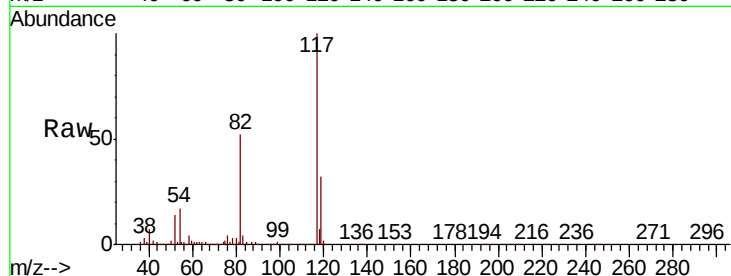




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062913.D
Acq: 10 Jun 2019 18:25

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.4	63.6
119	32.4	27.1	40.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VF062913.D
Acq: 10 Jun 2019 18:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	48.2	24.6	74.0
150	147.9	0.0	290.6

