

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\  
 Data File : VF062837.D  
 Acq On : 4 Jun 2019 14:21  
 Operator : FY/SY  
 Sample : VF0604SBL01  
 Misc : 5.00µ/5mL/MSVOA F/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :

Quant Time: Jun 05 05:19:14 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	895092	50.00	µg/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	1517371	50.00	µg/l	-0.02
63) Chlorobenzene-d5	9.91	117	1202010	50.00	µg/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	517361	50.00	µg/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	335077	54.14	µg/l	-0.02
Spiked Amount	50.000		Recovery	=	108.28%	
35) Dibromofluoromethane	4.31	113	594457	51.84	µg/l	-0.02
Spiked Amount	50.000		Recovery	=	103.68%	
50) Toluene-d8	7.71	98	1398146	48.22	µg/l	-0.02
Spiked Amount	50.000		Recovery	=	96.44%	
62) 4-Bromofluorobenzene	11.50	95	499131	47.86	µg/l	-0.01
Spiked Amount	50.000		Recovery	=	95.72%	

Target Compounds

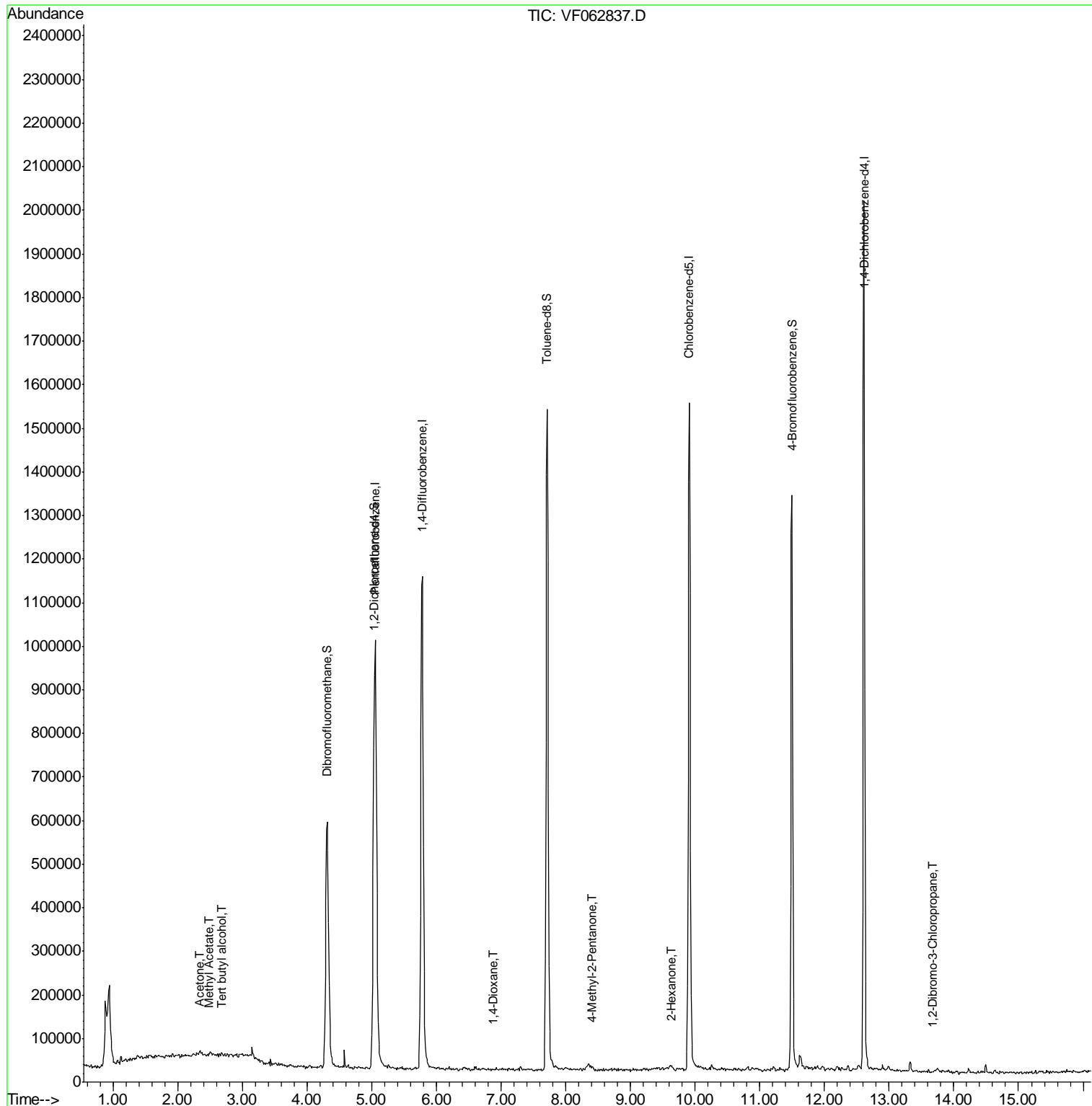
					Qvalue
2) Dichlorodifluoromethane	1.00	85	2042	Below Cal	82
11) Tert butyl alcohol	2.68	59	1179	3.144 µg/l #	1
13) Acrolein	2.10	56	559	Below Cal #	1
16) Acetone	2.35	43	5048	3.563 µg/l	93
18) Methyl Acetate	2.48	43	8332	3.366 µg/l #	64
20) Methylene Chloride	2.35	84	5146	Below Cal #	77
49) 1,4-Dioxane	6.88	88	580	12.104 µg/l #	75
51) 4-Methyl-2-Pentanone	8.41	43	6095	1.210 µg/l #	82
59) 2-Hexanone	9.64	43	8264	2.302 µg/l	78
92) 1,2-Dibromo-3-Chloropropan	13.67	75	1202	1.431 µg/l #	1

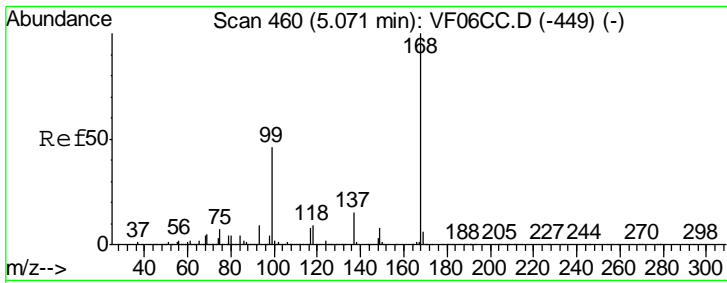
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
Client Sampled :

Quant Time: Jun 05 05:19:14 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

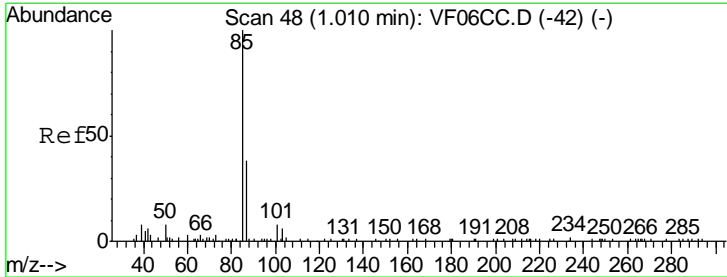
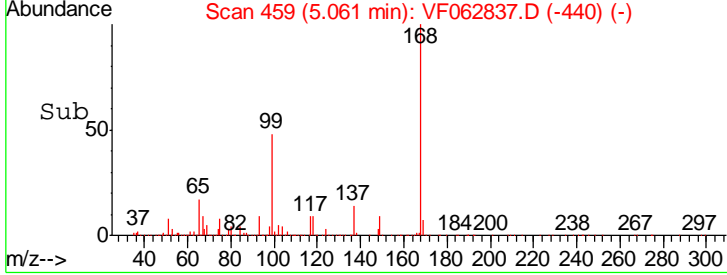
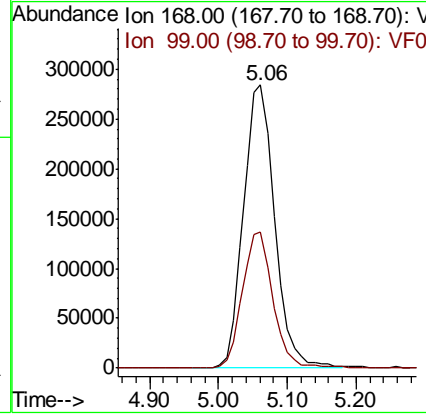
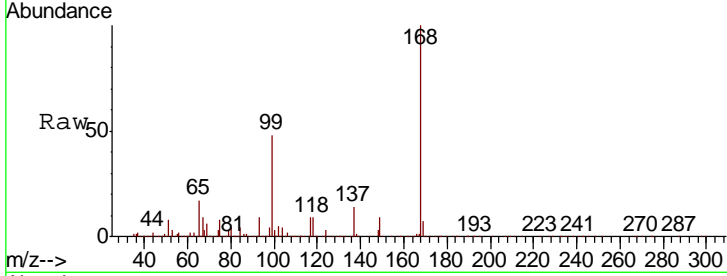




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.06 min Scan# 459  
 Delta R.T. -0.01 min  
 Lab File: VF062837.D  
 Acq: 4 Jun 2019 14:21

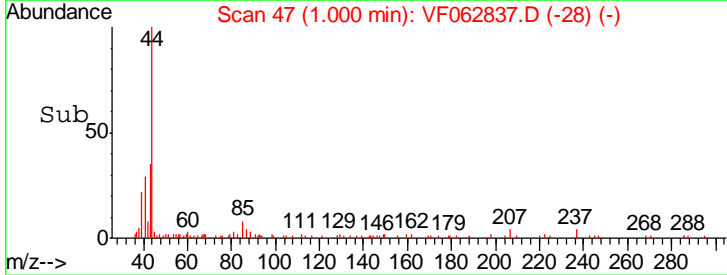
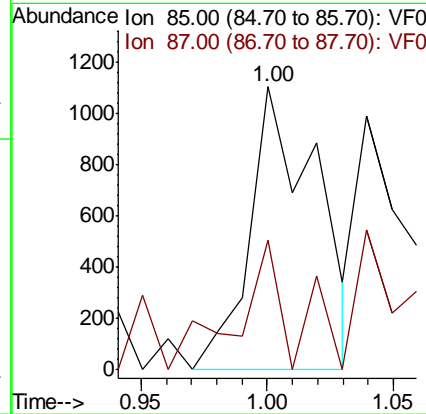
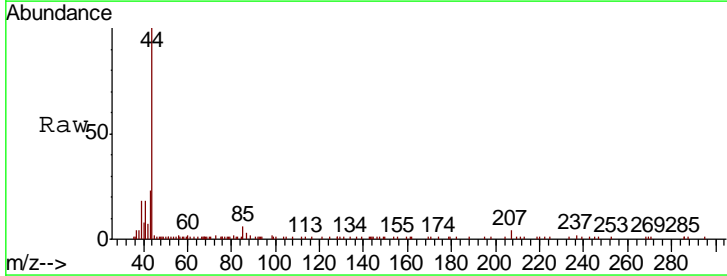
Instrument :  
 MSVOA\_F  
 ClientSampled :

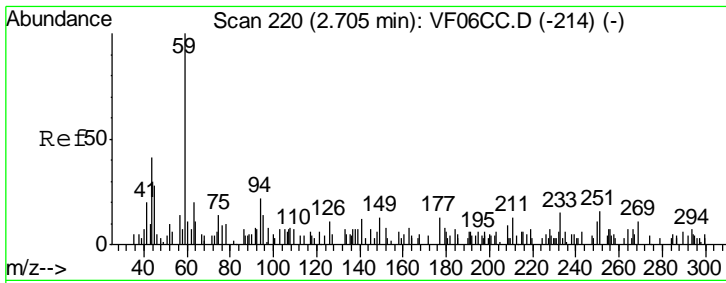
Tgt Ion	Resp	Lower	Upper
168	100		
99	48.3	39.1	58.7



#2  
 Dichlorodifluoromethane  
 Concen: Below Cal  
 RT: 1.00 min Scan# 47  
 Delta R.T. -0.01 min  
 Lab File: VF062837.D  
 Acq: 4 Jun 2019 14:21

Tgt Ion	Resp	Lower	Upper
85	100		
87	45.8	17.6	52.9

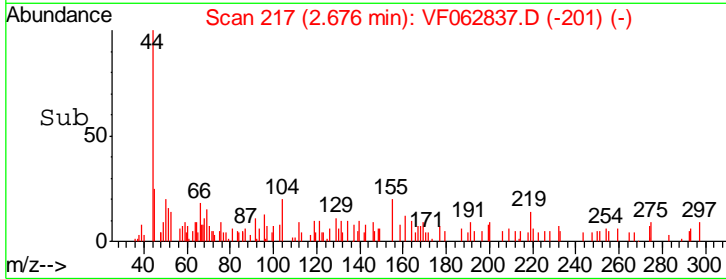
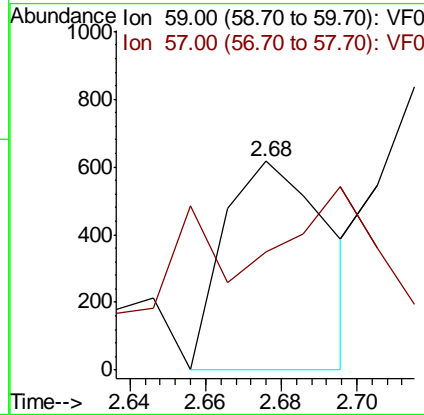
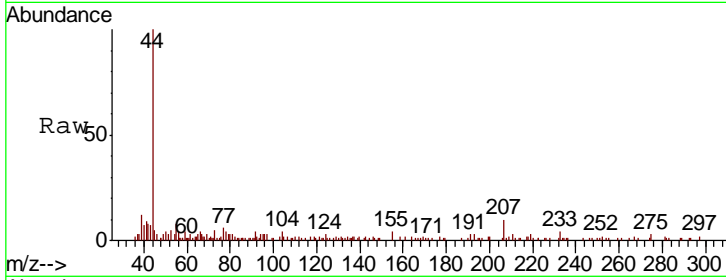




#11  
 Tert butyl alcohol  
 Concen: 3.144 ug/l  
 RT: 2.68 min Scan# 217  
 Delta R.T. -0.04 min  
 Lab File: VF062837.D  
 Acq: 4 Jun 2019 14:21

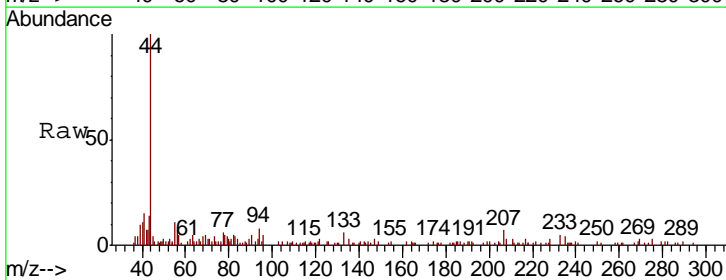
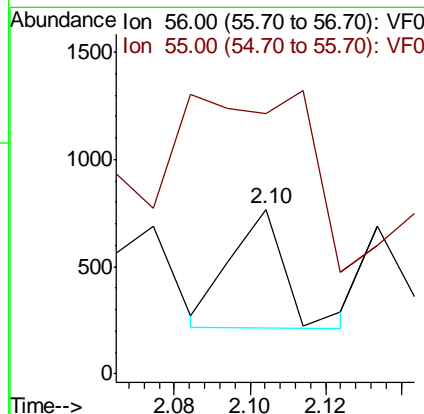
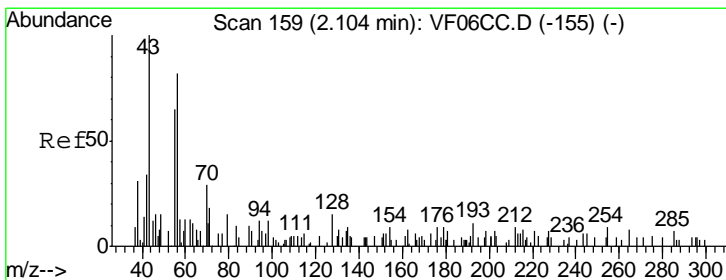
Instrument :  
 MSVOA\_F  
 ClientSampled :

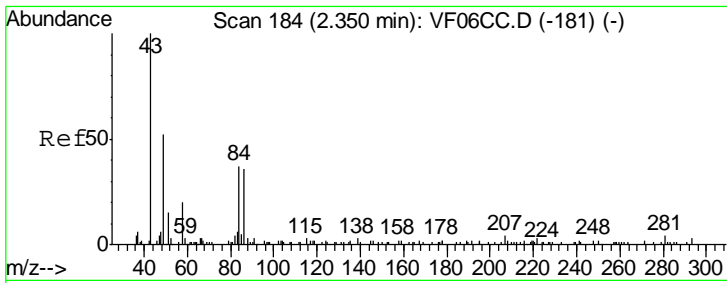
Tgt Ion	Resp	Lower	Upper
59	1179		
57	56.8	9.2	13.8#



#13  
 Acrolein  
 Concen: Below Cal  
 RT: 2.10 min Scan# 159  
 Delta R.T. -0.01 min  
 Lab File: VF062837.D  
 Acq: 4 Jun 2019 14:21

Tgt Ion	Resp	Lower	Upper
56	559		
55	157.6	52.9	79.3#

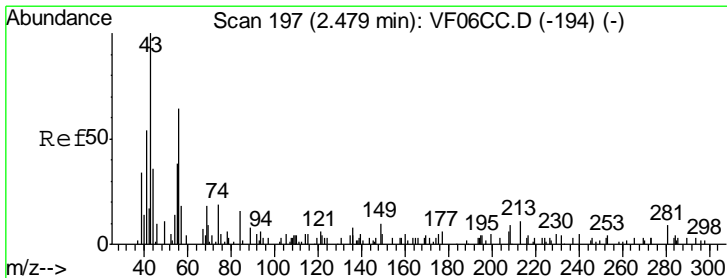
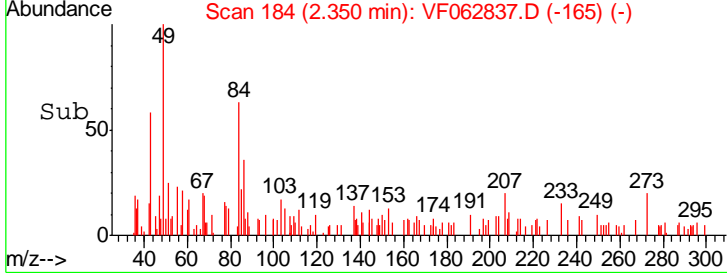
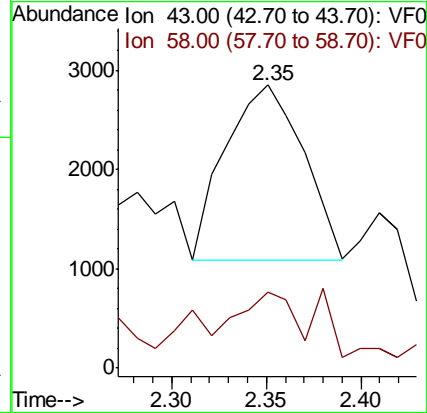
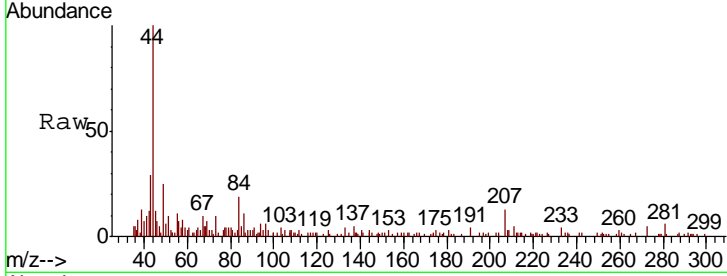




#16  
 Acetone  
 Concen: 3.563 ug/l  
 RT: 2.35 min Scan# 184  
 Delta R.T. -0.01 min  
 Lab File: VF062837.D  
 Acq: 4 Jun 2019 14:21

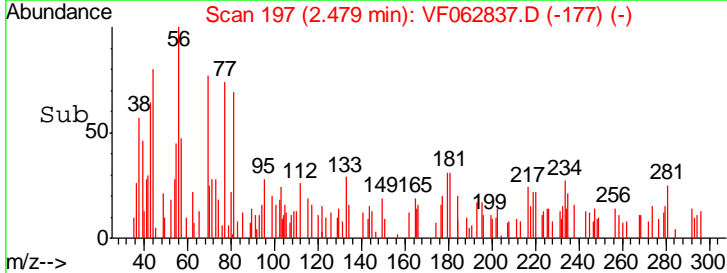
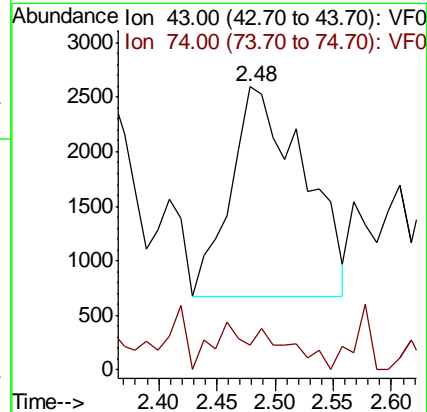
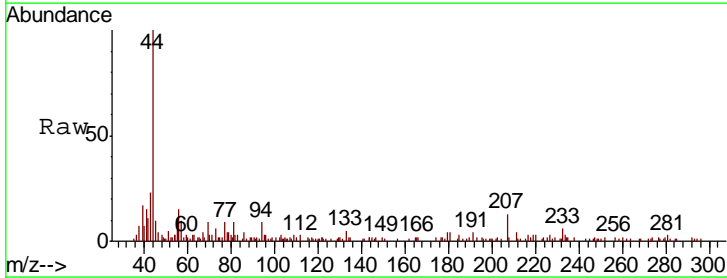
Instrument :  
 MSVOA\_F  
 ClientSampled :

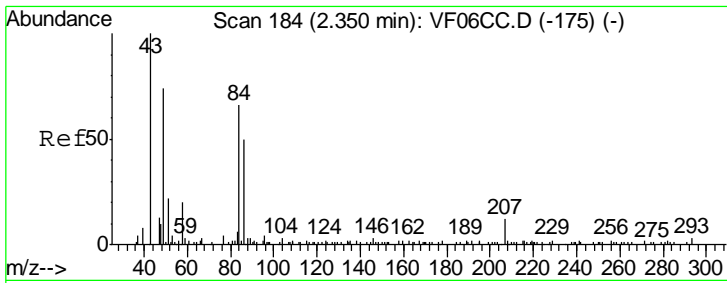
Tgt Ion	Resp	Lower	Upper
43	100		
58	26.9	19.0	28.4



#18  
 Methyl Acetate  
 Concen: 3.366 ug/l  
 RT: 2.48 min Scan# 197  
 Delta R.T. -0.00 min  
 Lab File: VF062837.D  
 Acq: 4 Jun 2019 14:21

Tgt Ion	Resp	Lower	Upper
43	100		
74	8.9	22.1	33.1#

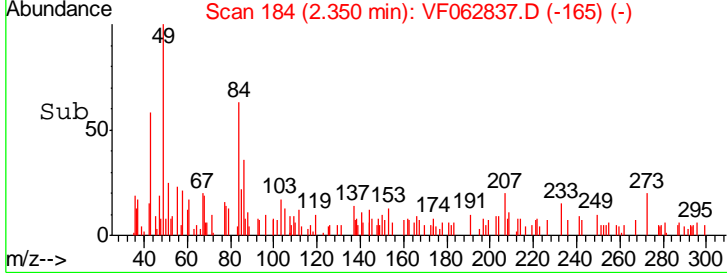
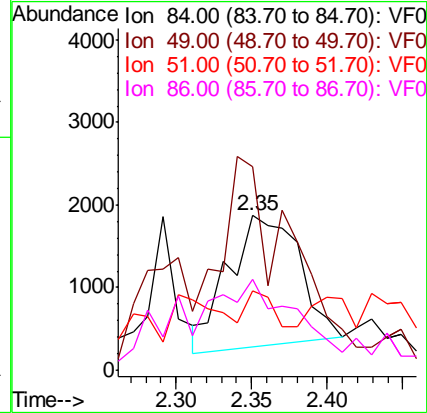
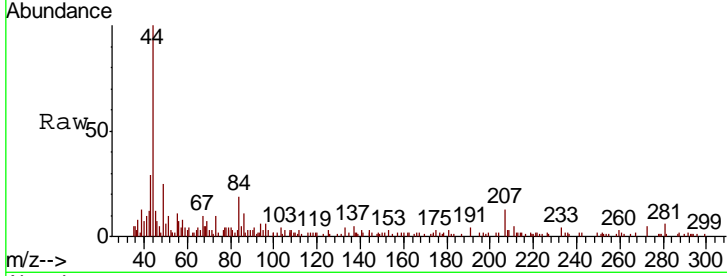




#20  
 Methylene Chloride  
 Concen: Below Cal  
 RT: 2.35 min Scan# 184  
 Delta R.T. -0.01 min  
 Lab File: VF062837.D  
 Acq: 4 Jun 2019 14:21

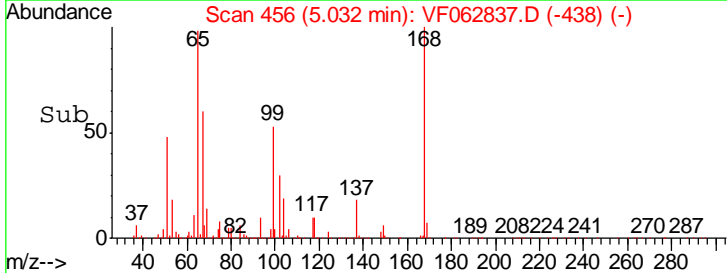
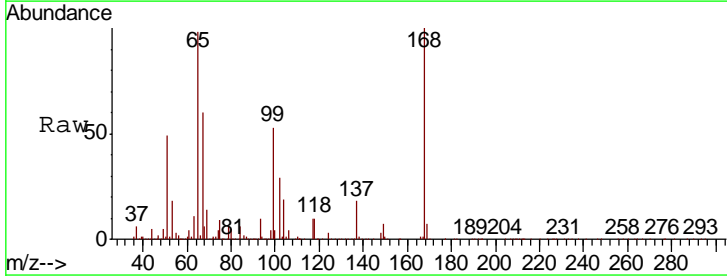
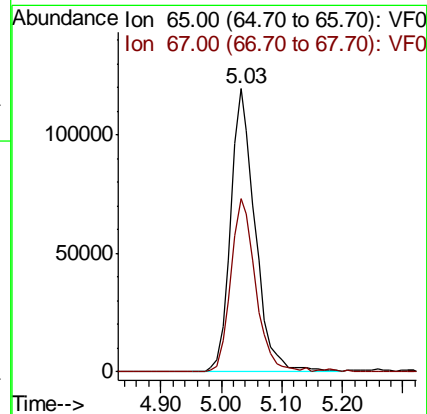
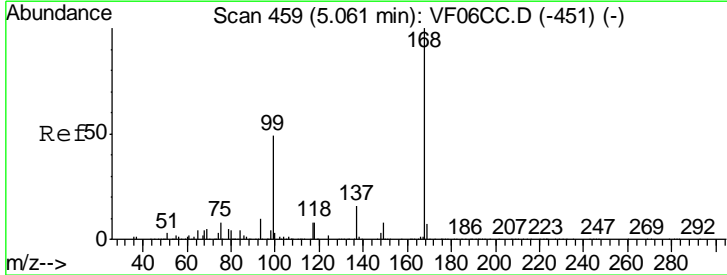
Instrument :  
 MSVOA\_F  
 ClientSampled :

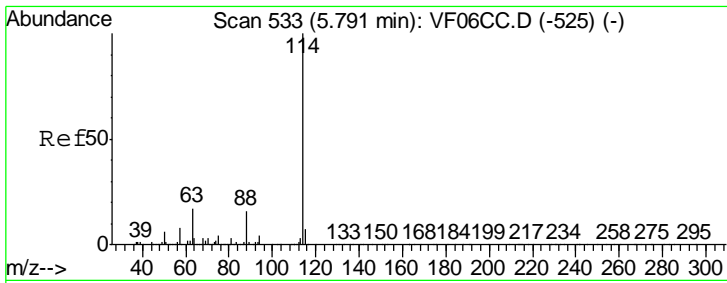
Tgt Ion	Resp	Lower	Upper
84	100		
49	132.1	82.6	123.8#
51	51.3	25.0	37.4#
86	59.2	51.5	77.3



#33  
 1,2-Dichloroethane-d4  
 Concen: 54.135 ug/l  
 RT: 5.03 min Scan# 456  
 Delta R.T. -0.02 min  
 Lab File: VF062837.D  
 Acq: 4 Jun 2019 14:21

Tgt Ion	Resp	Lower	Upper
65	100		
67	61.4	0.0	121.2

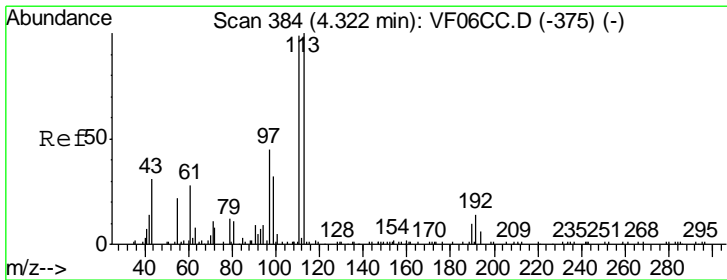
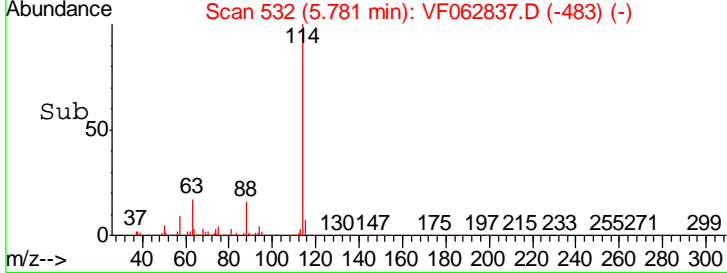
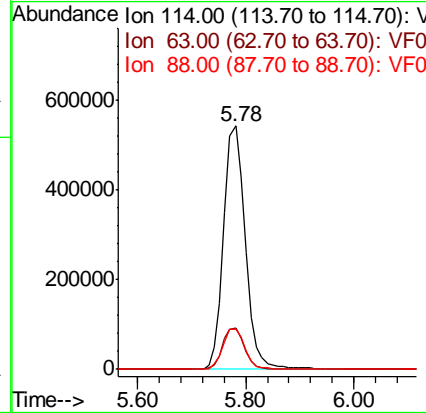
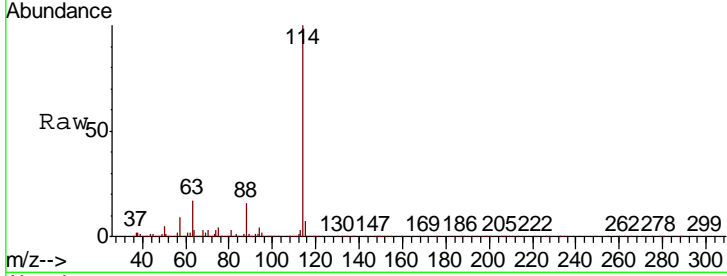




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.78 min Scan# 532  
 Delta R.T. -0.02 min  
 Lab File: VF062837.D  
 Acq: 4 Jun 2019 14:21

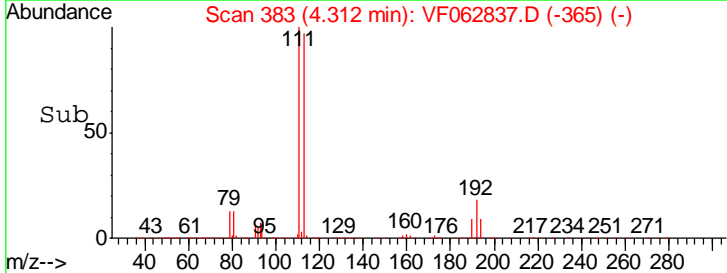
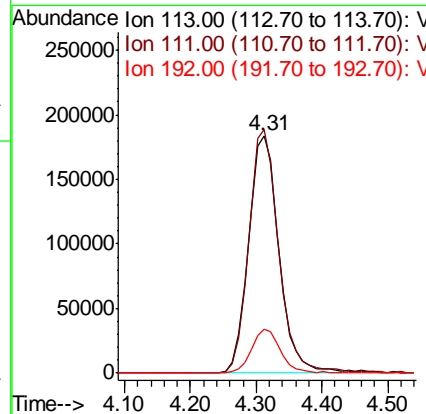
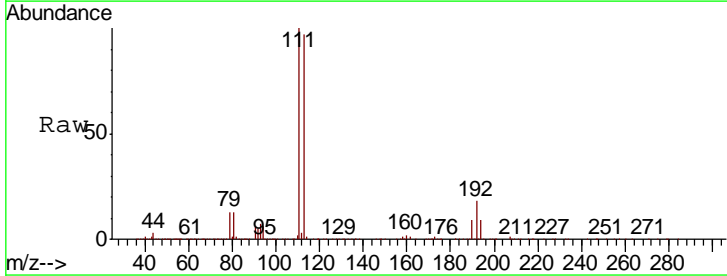
Instrument :  
 MSVOA\_F  
 ClientSampled :

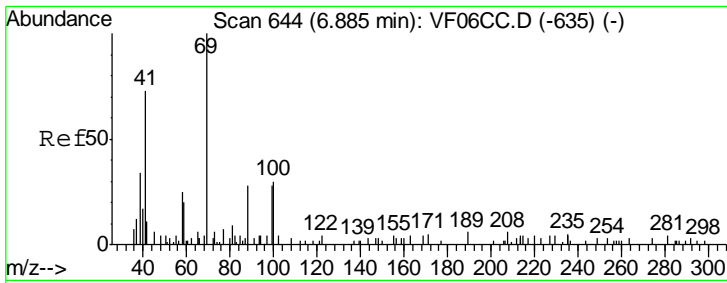
Tgt Ion	Resp	Lower	Upper
114	1517371		
63	17.2	0.0	34.2
88	16.4	0.0	31.2



#35  
 Dibromofluoromethane  
 Concen: 51.845 ug/l  
 RT: 4.31 min Scan# 383  
 Delta R.T. -0.02 min  
 Lab File: VF062837.D  
 Acq: 4 Jun 2019 14:21

Tgt Ion	Resp	Lower	Upper
113	594457		
111	102.6	81.9	122.9
192	18.6	15.1	22.7

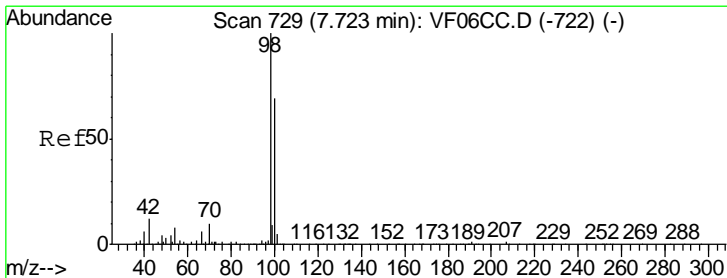
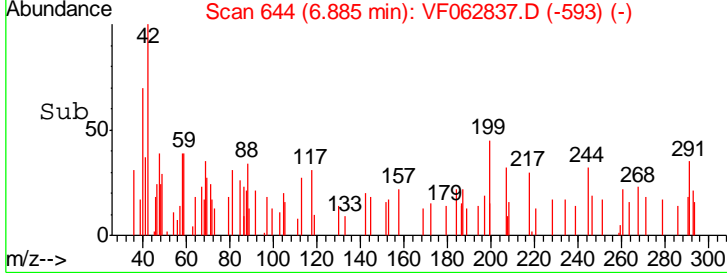
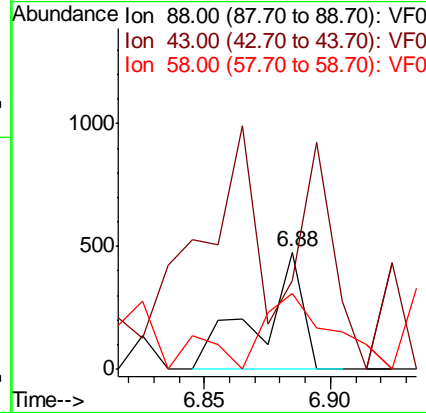
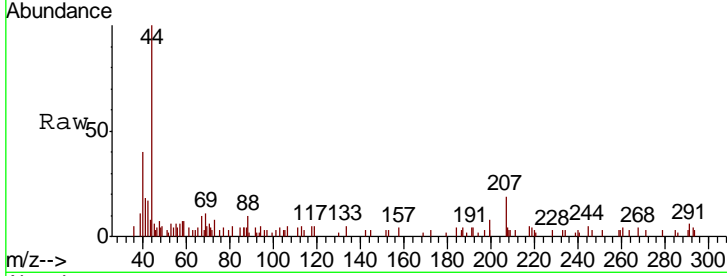




#49  
 1,4-Dioxane  
 Concen: 12.104 ug/l  
 RT: 6.88 min Scan# 644  
 Delta R.T. -0.00 min  
 Lab File: VF062837.D  
 Acq: 4 Jun 2019 14:21

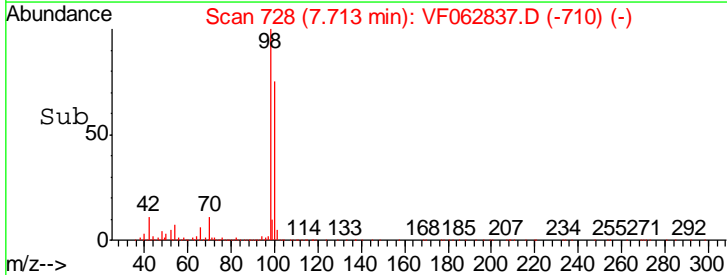
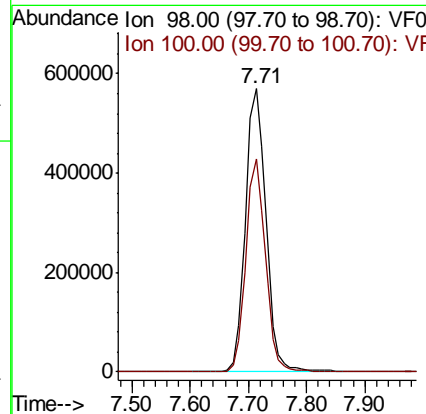
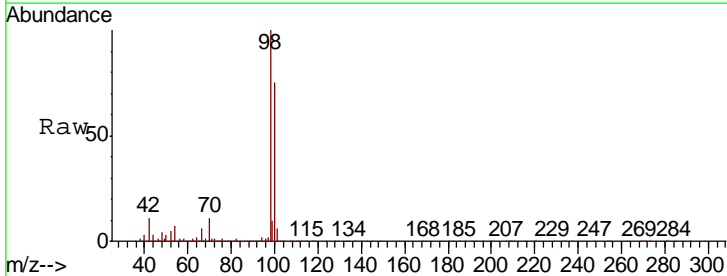
Instrument :  
 MSVOA\_F  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
88	580		
88	100		
43	75.6	34.8	52.2#
58	65.3	59.9	89.9

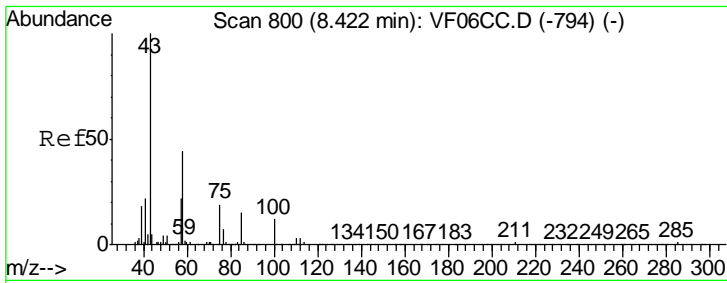


#50  
 Toluene-d8  
 Concen: 48.220 ug/l  
 RT: 7.71 min Scan# 728  
 Delta R.T. -0.02 min  
 Lab File: VF062837.D  
 Acq: 4 Jun 2019 14:21

Tgt Ion	Resp	Lower	Upper
98	1398146		
98	100		
100	75.3	59.8	89.8



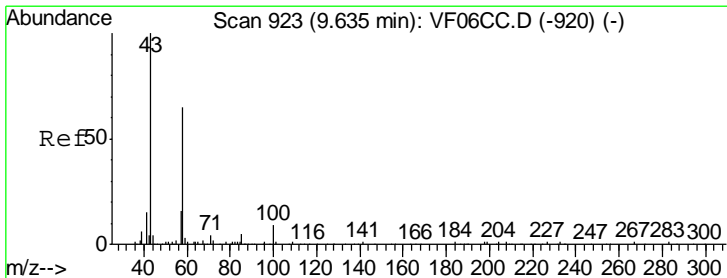
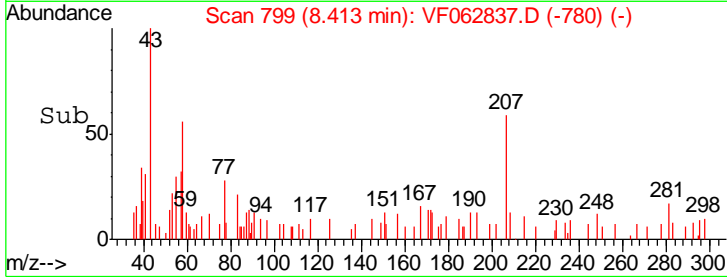
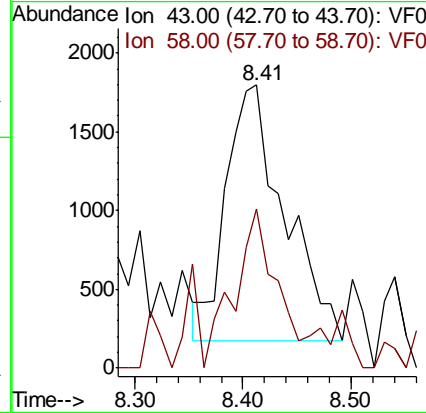
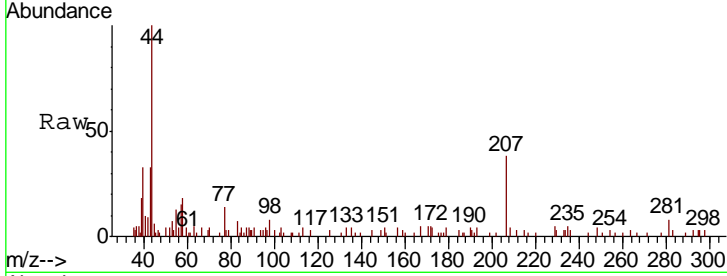




#51  
 4-Methyl-2-Pentanone  
 Concen: 1.210 ug/l  
 RT: 8.41 min Scan# 799  
 Delta R.T. -0.01 min  
 Lab File: VF062837.D  
 Acq: 4 Jun 2019 14:21

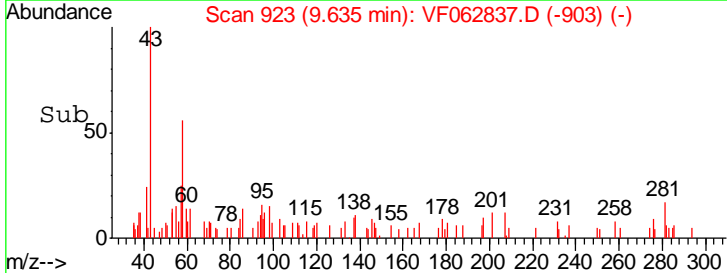
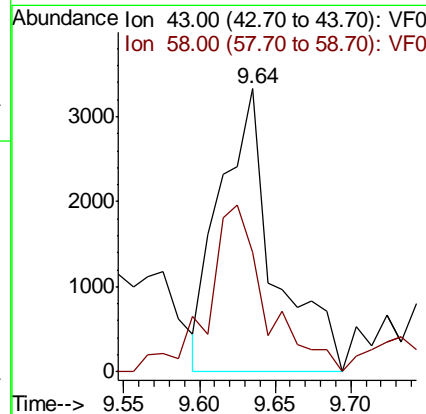
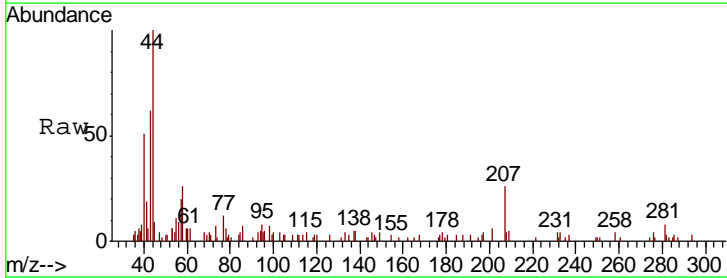
Instrument : MSVOA\_F  
 ClientSampled :

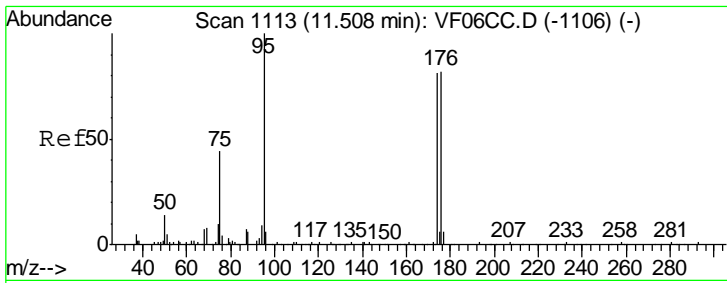
Tgt Ion	Resp	Lower	Upper
43	100		
58	56.3	35.5	53.3#



#59  
 2-Hexanone  
 Concen: 2.302 ug/l  
 RT: 9.64 min Scan# 923  
 Delta R.T. -0.00 min  
 Lab File: VF062837.D  
 Acq: 4 Jun 2019 14:21

Tgt Ion	Resp	Lower	Upper
43	100		
58	42.1	29.3	87.9

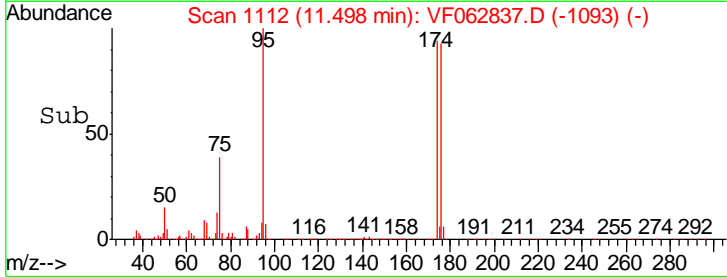
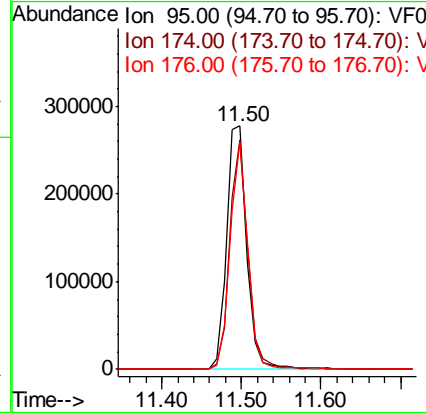
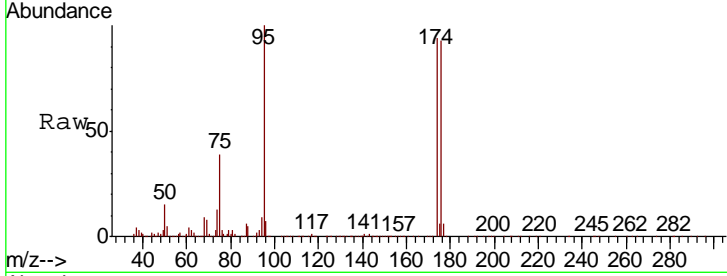




#62  
 4-Bromofluorobenzene  
 Concen: 47.856 ug/l  
 RT: 11.50 min Scan# 1112  
 Delta R.T. -0.01 min  
 Lab File: VF062837.D  
 Acq: 4 Jun 2019 14:21

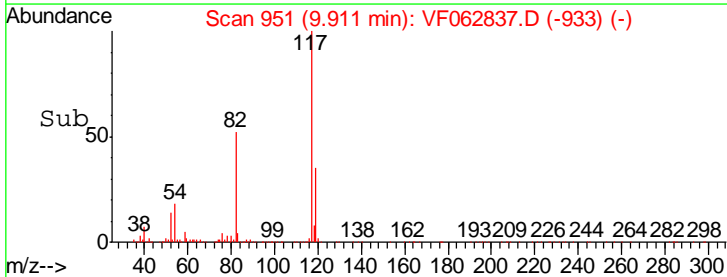
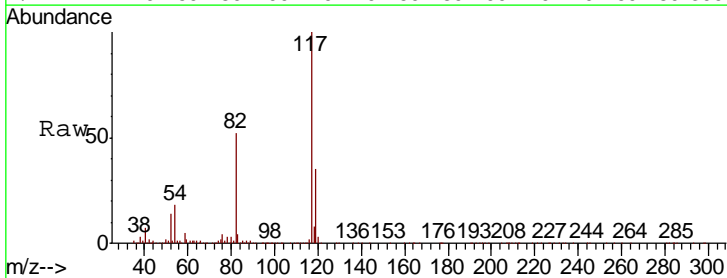
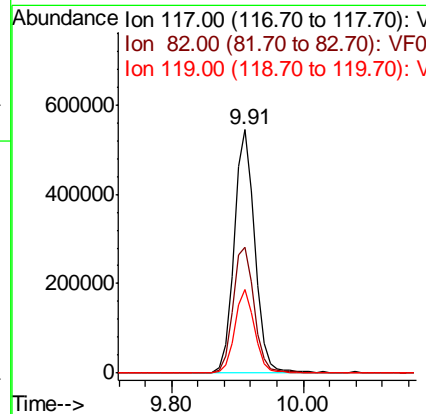
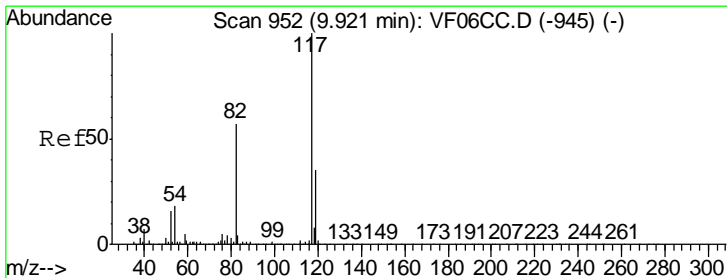
Instrument :  
 MSVOA\_F  
 ClientSampled :

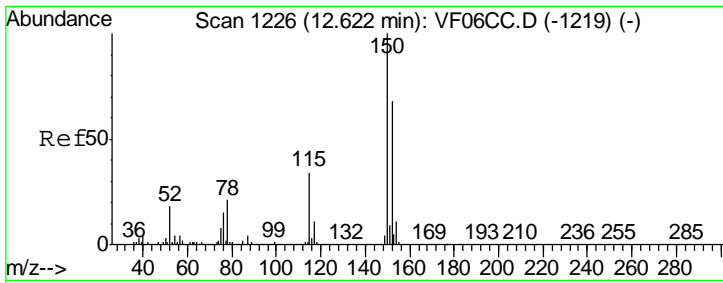
Tgt Ion	Resp	Lower	Upper
95	499131		
174	94.3	0.0	170.6
176	93.3	0.0	170.6



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 9.91 min Scan# 951  
 Delta R.T. -0.02 min  
 Lab File: VF062837.D  
 Acq: 4 Jun 2019 14:21

Tgt Ion	Resp	Lower	Upper
117	1202010		
82	51.9	42.4	63.6
119	34.5	27.1	40.7

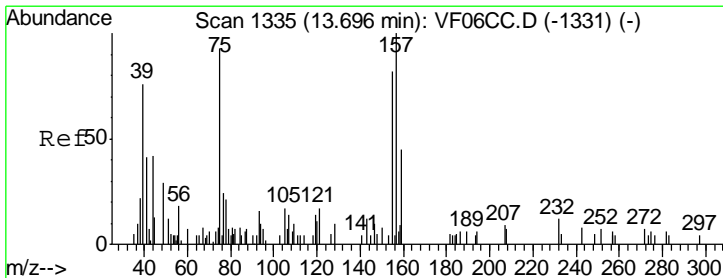
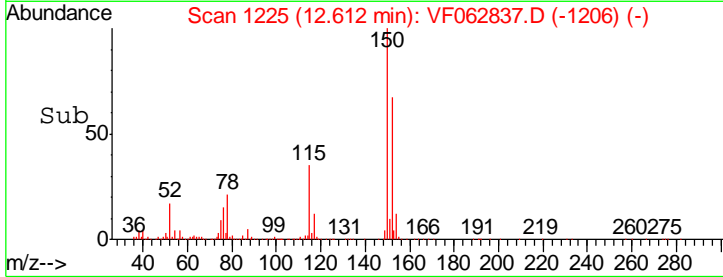
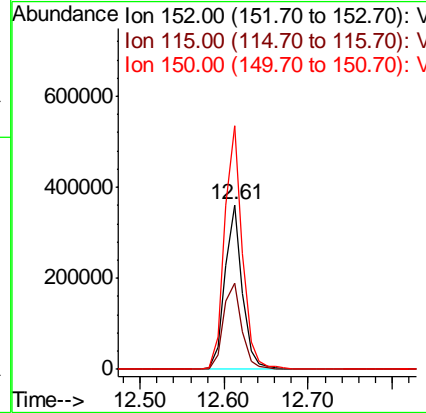
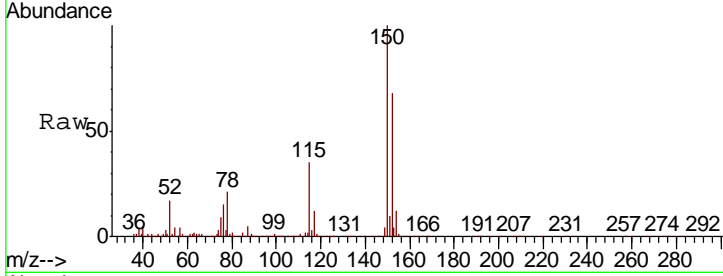




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.61 min Scan# 1225  
 Delta R.T. -0.01 min  
 Lab File: VF062837.D  
 Acq: 4 Jun 2019 14:21

Instrument : MSVOA\_F  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
152	100		
115	52.1	24.6	74.0
150	148.1	0.0	290.6



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 1.431 ug/l  
 RT: 13.67 min Scan# 1332  
 Delta R.T. -0.03 min  
 Lab File: VF062837.D  
 Acq: 4 Jun 2019 14:21

Tgt Ion	Resp	Lower	Upper
75	100		
155	0.0	51.7	155.1#
157	0.0	66.8	200.6#

