

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\  
 Data File : VF062443.D  
 Acq On : 11 May 2019 3:12  
 Operator : FY/SY  
 Sample : K2754-05  
 Misc : 5.04µ/5mL/MSVOA F/SOIL  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 C-1

Quant Time: May 11 05:41:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82F050619S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 07 04:34:57 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	228799	50.00	µg/l	0.00
34) 1,4-Difluorobenzene	5.79	114	341551	50.00	µg/l	0.02
63) Chlorobenzene-d5	9.92	117	204288	50.00	µg/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	113409	50.00	µg/l	0.00

## System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	164978	76.30	µg/l	0.02
Spiked Amount	50.000		Recovery	=	152.60%	
35) Dibromofluoromethane	4.32	113	196615	72.26	µg/l	0.02
Spiked Amount	50.000		Recovery	=	144.52%	
50) Toluene-d8	7.72	98	211171	32.06	µg/l	0.02
Spiked Amount	50.000		Recovery	=	64.12%	
62) 4-Bromofluorobenzene	11.50	95	119338	40.16	µg/l	0.00
Spiked Amount	50.000		Recovery	=	80.32%	

## Target Compounds

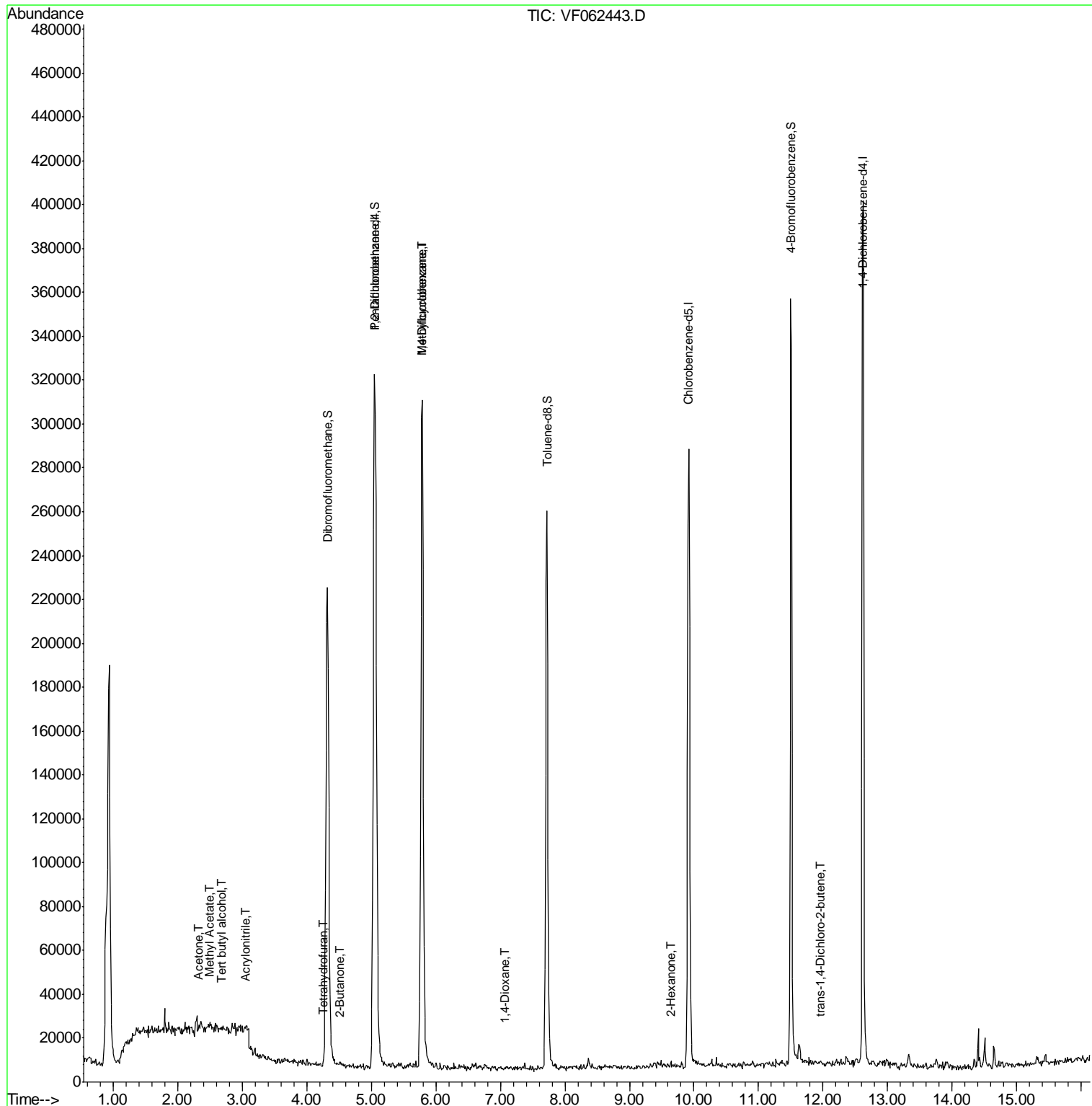
					Qvalue	
5) Bromomethane	1.39	94	878	Below Cal	#	51
11) Tert butyl alcohol	2.68	59	223	1.825	µg/l #	1
13) Acrolein	2.08	56	678	Below Cal		86
15) Acrylonitrile	3.05	53	348	1.503	µg/l #	1
16) Acetone	2.33	43	2409	5.507	µg/l #	69
18) Methyl Acetate	2.51	43	6949	5.952	µg/l #	76
25) 2-Butanone	4.51	43	1286	2.340	µg/l #	63
29) Tetrahydrofuran	4.25	42	753	2.981	µg/l #	36
37) Ethyl Acetate	4.34	43	1090	Below Cal	#	87
38) Carbon Tetrachloride	4.12	117	283	Below Cal	#	73
39) Methylcyclohexane	5.78	83	5524	1.877	µg/l #	43
49) 1,4-Dioxane	7.06	88	149	2.324	µg/l	92
59) 2-Hexanone	9.64	43	2147	3.070	µg/l #	50
81) trans-1,4-Dichloro-2-buten	11.97	75	484	1.603	µg/l #	5

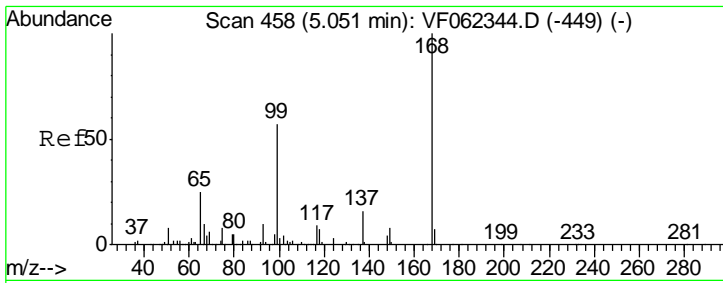
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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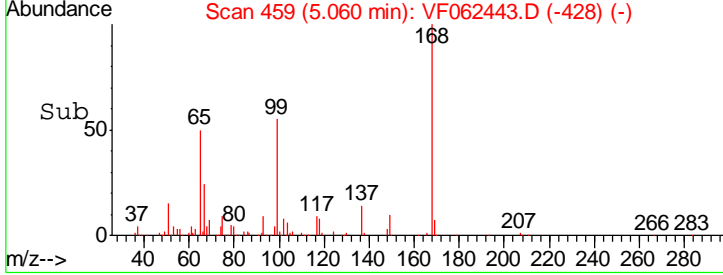
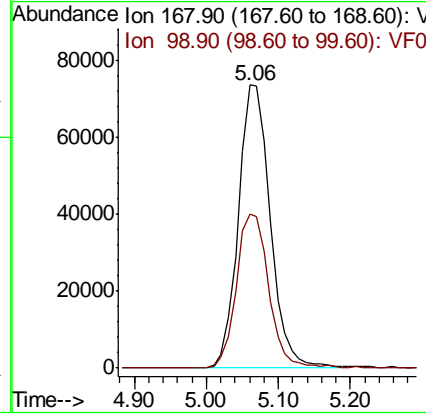
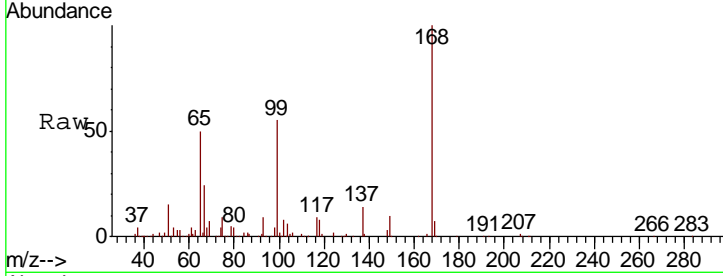




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.06 min Scan# 459  
 Delta R.T. 0.01 min  
 Lab File: VF062443.D  
 Acq: 11 May 2019 3:12

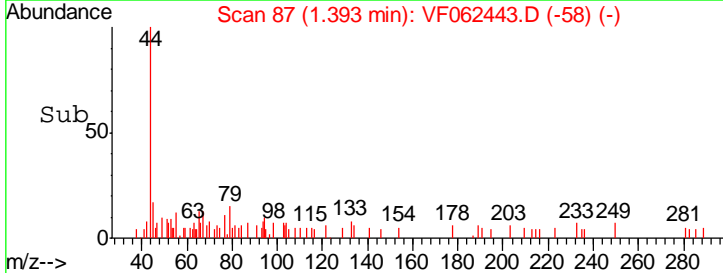
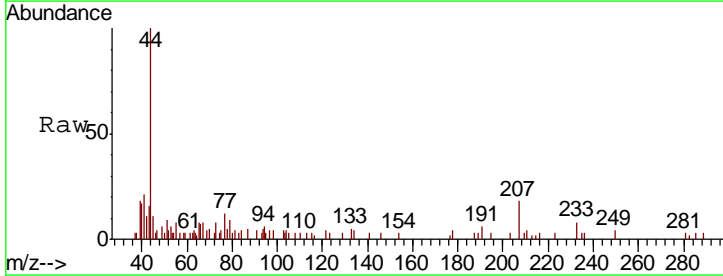
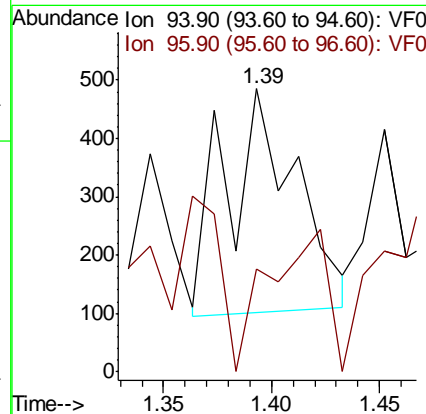
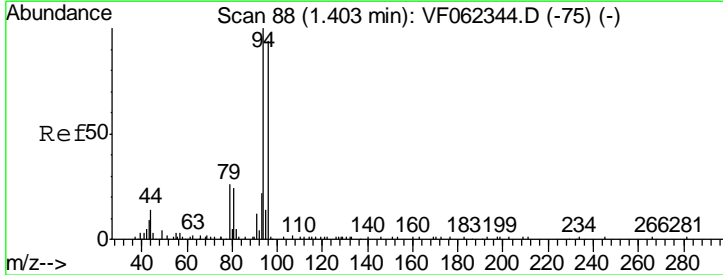
Instrument :  
 MSVOA\_F  
 ClientSampled :  
 C-1

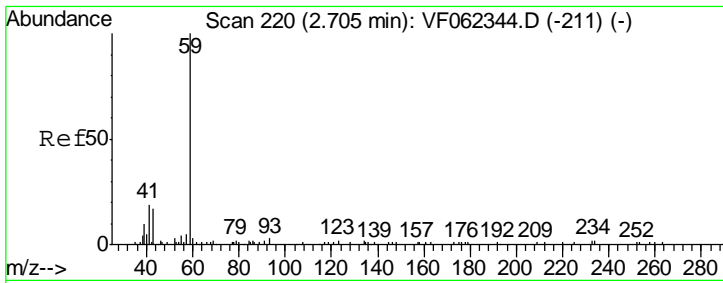
Tgt Ion	Resp	Lower	Upper
168	100		
99	54.6	45.9	68.9



#5  
 Bromomethane  
 Concen: Below Cal  
 RT: 1.39 min Scan# 87  
 Delta R.T. -0.01 min  
 Lab File: VF062443.D  
 Acq: 11 May 2019 3:12

Tgt Ion	Resp	Lower	Upper
94	100		
96	47.3	75.4	113.2#

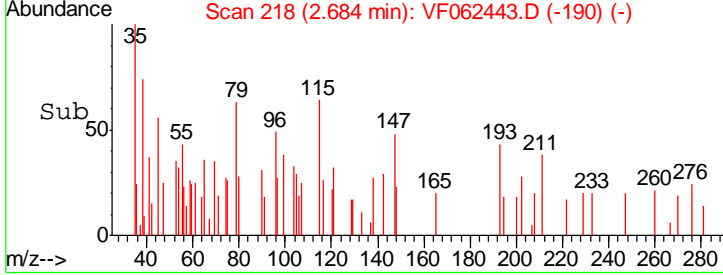
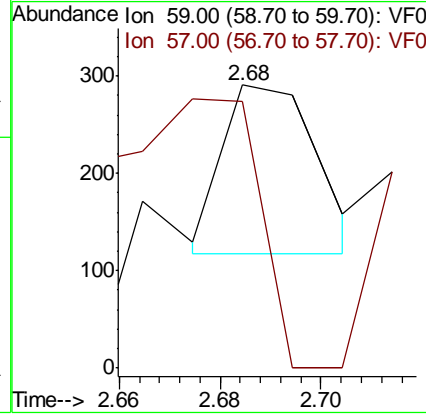
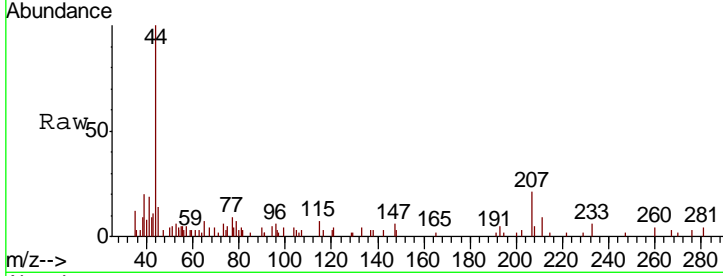




#11  
 Tert butyl alcohol  
 Concen: 1.825 ug/l  
 RT: 2.68 min Scan# 218  
 Delta R.T. -0.02 min  
 Lab File: VF062443.D  
 Acq: 11 May 2019 3:12

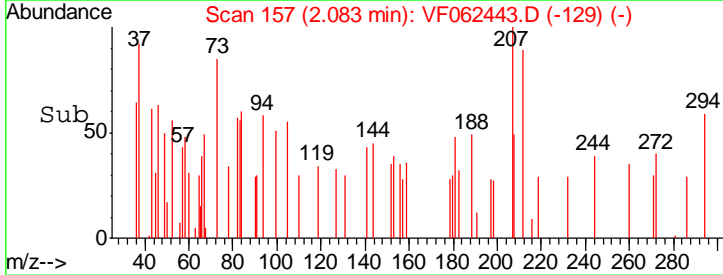
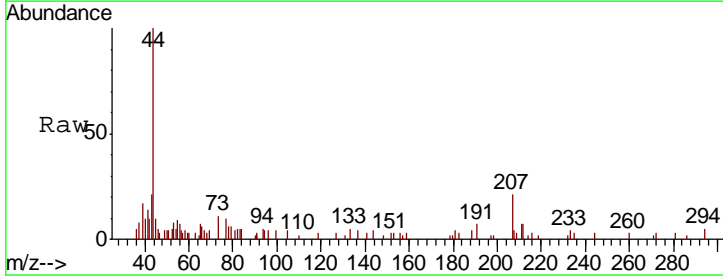
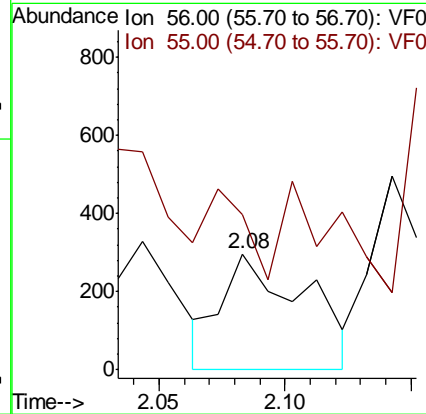
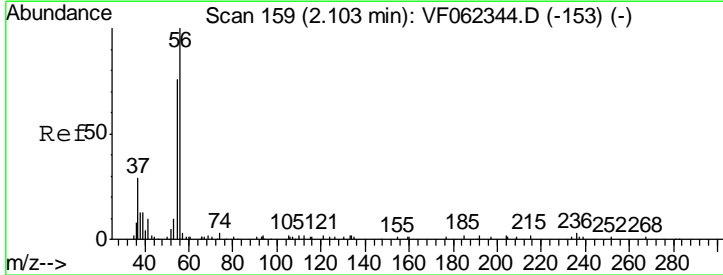
Instrument : MSVOA\_F  
 ClientSampled : C-1

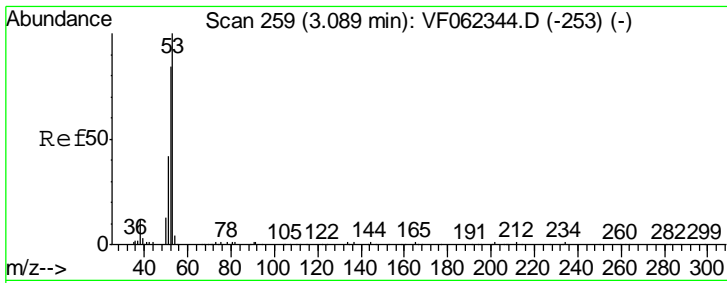
Tgt Ion	Resp	Lower	Upper
59	100		
57	325.1	9.3	13.9#



#13  
 Acrolein  
 Concen: Below Cal  
 RT: 2.08 min Scan# 157  
 Delta R.T. -0.02 min  
 Lab File: VF062443.D  
 Acq: 11 May 2019 3:12

Tgt Ion	Resp	Lower	Upper
56	100		
55	61.7	58.4	87.6

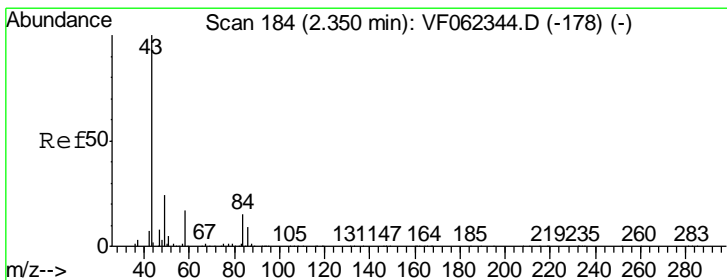
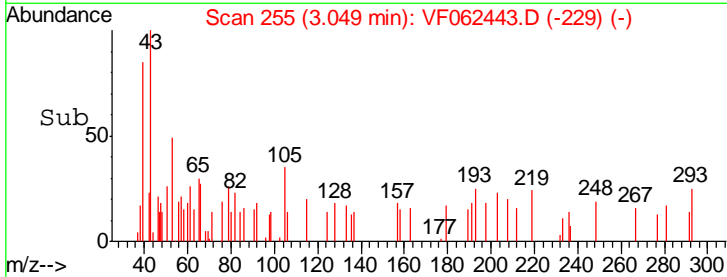
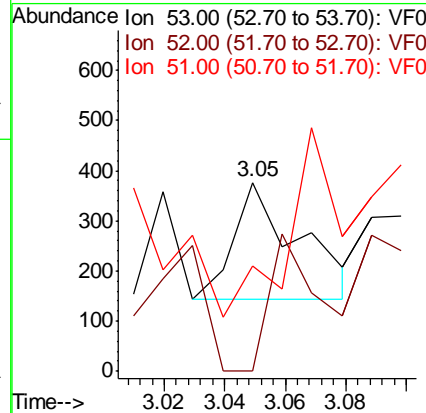
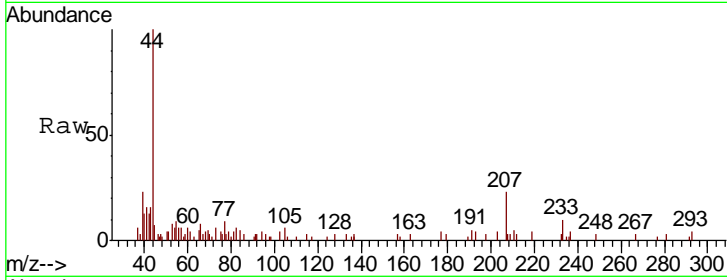




#15  
 Acrylonitrile  
 Concen: 1.503 ug/l  
 RT: 3.05 min Scan# 255  
 Delta R.T. -0.04 min  
 Lab File: VF062443.D  
 Acq: 11 May 2019 3:12

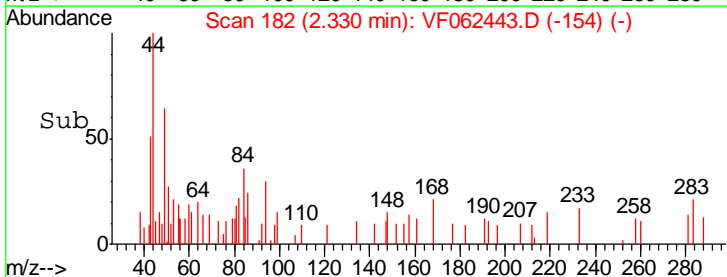
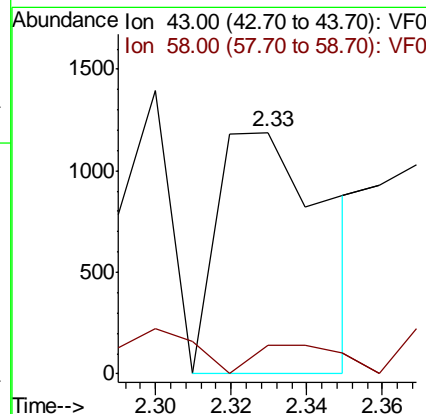
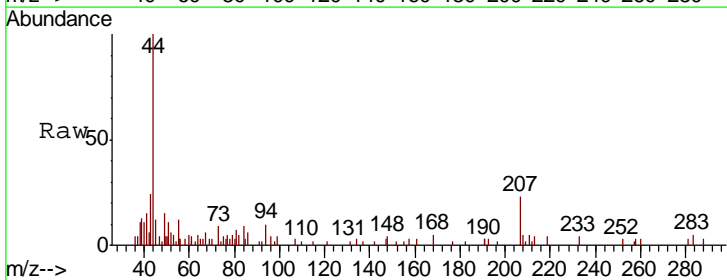
Instrument :  
 MSVOA\_F  
 ClientSampled :  
 C-1

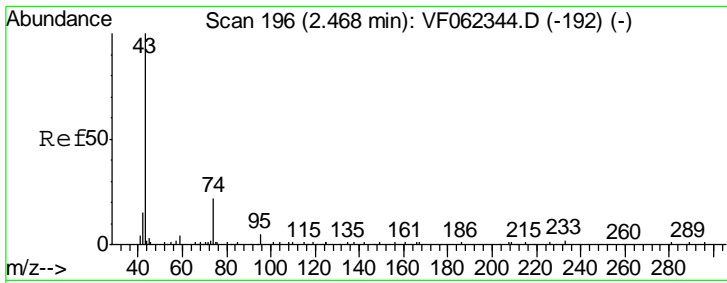
Tgt Ion	Resp	Lower	Upper
53	100		
52	92.2	77.2	115.8
51	358.3	40.6	61.0#



#16  
 Acetone  
 Concen: 5.507 ug/l  
 RT: 2.33 min Scan# 182  
 Delta R.T. -0.02 min  
 Lab File: VF062443.D  
 Acq: 11 May 2019 3:12

Tgt Ion	Resp	Lower	Upper
43	100		
58	3.0	13.1	19.7#

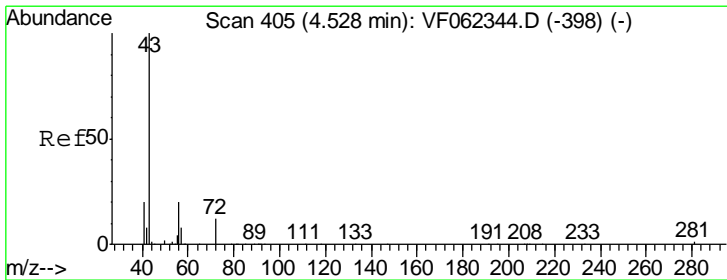
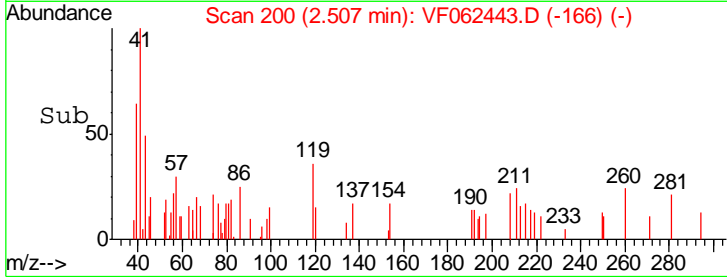
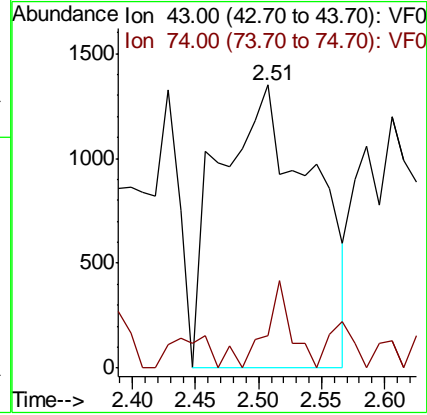
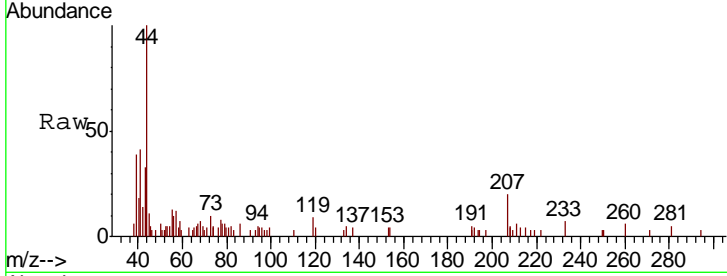




#18  
Methyl Acetate  
Concen: 5.952 ug/l  
RT: 2.51 min Scan# 200  
Delta R.T. 0.04 min  
Lab File: VF062443.D  
Acq: 11 May 2019 3:12

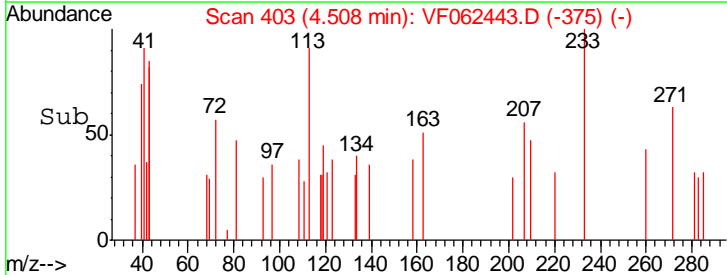
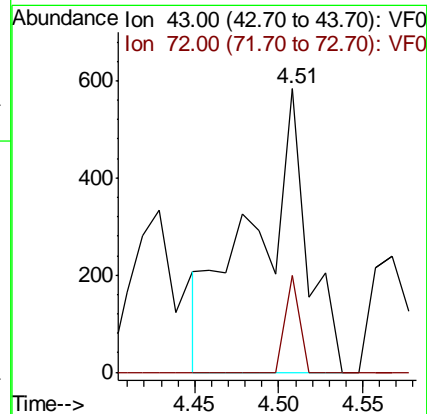
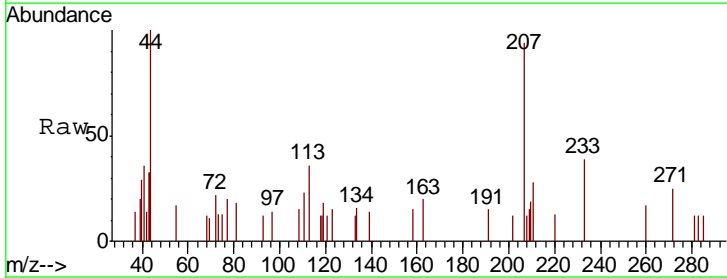
Instrument :  
MSVOA\_F  
ClientSampled :  
C-1

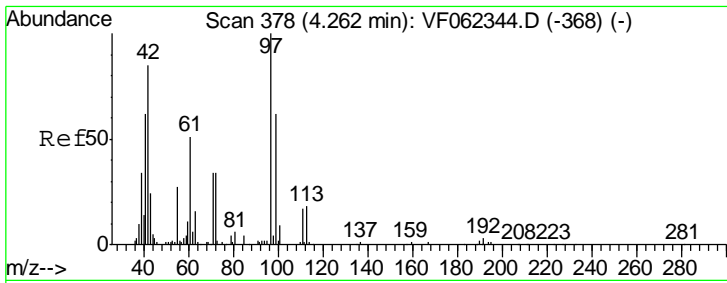
Tgt Ion: 43 Resp: 6949  
Ion Ratio Lower Upper  
43 100  
74 8.0 15.0 22.4#



#25  
2-Butanone  
Concen: 2.340 ug/l  
RT: 4.51 min Scan# 403  
Delta R.T. -0.02 min  
Lab File: VF062443.D  
Acq: 11 May 2019 3:12

Tgt Ion: 43 Resp: 1286  
Ion Ratio Lower Upper  
43 100  
72 34.1 14.2 21.4#

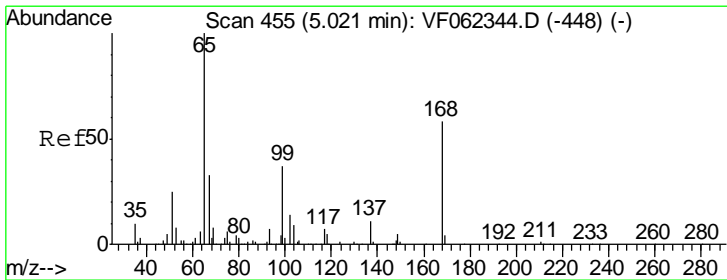
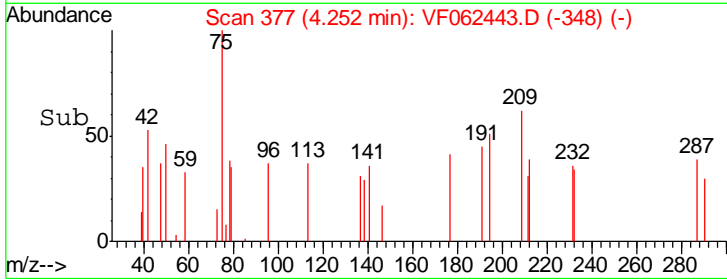
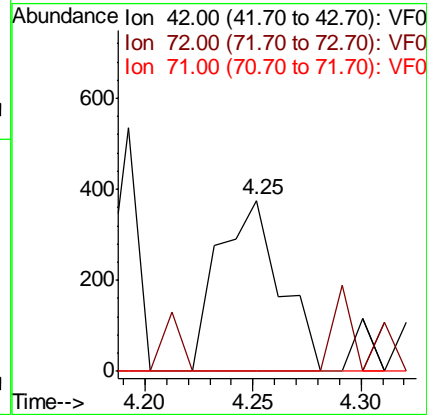
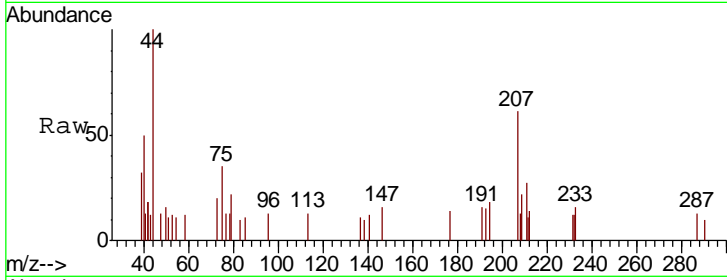




#29  
 Tetrahydrofuran  
 Concen: 2.981 ug/l  
 RT: 4.25 min Scan# 377  
 Delta R.T. -0.01 min  
 Lab File: VF062443.D  
 Acq: 11 May 2019 3:12

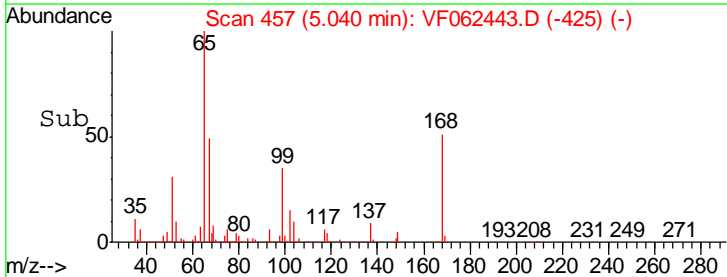
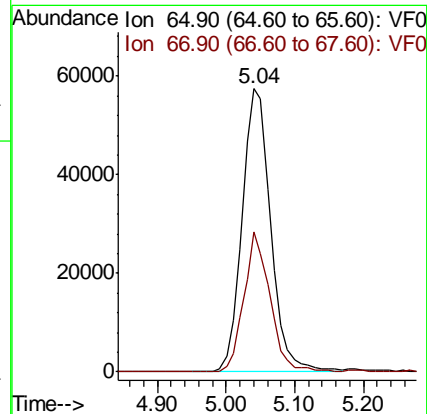
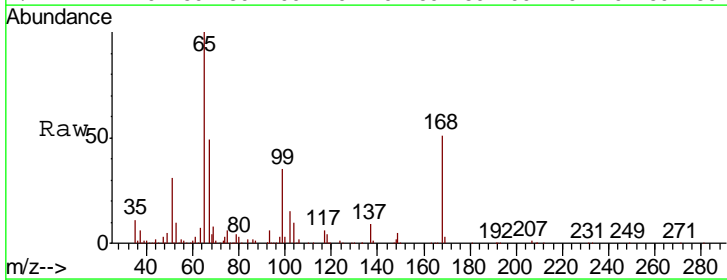
Instrument :  
 MSVOA\_F  
 ClientSampled :  
 C-1

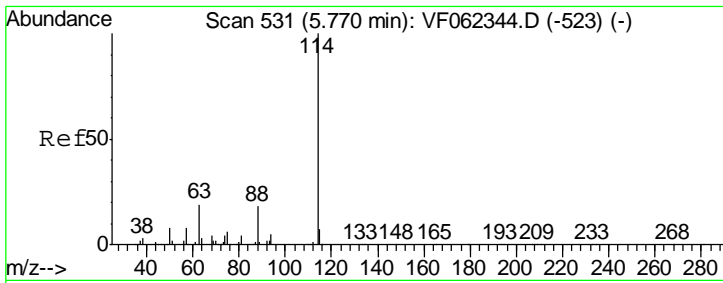
Tgt Ion	Resp	Lower	Upper
42	100		
72	0.0	31.4	47.0#
71	0.0	31.7	47.5#



#33  
 1,2-Dichloroethane-d4  
 Concen: 76.299 ug/l  
 RT: 5.04 min Scan# 457  
 Delta R.T. 0.02 min  
 Lab File: VF062443.D  
 Acq: 11 May 2019 3:12

Tgt Ion	Resp	Lower	Upper
65	100		
67	45.5	0.0	85.8

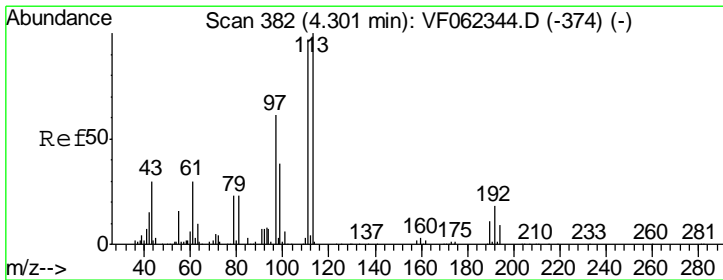
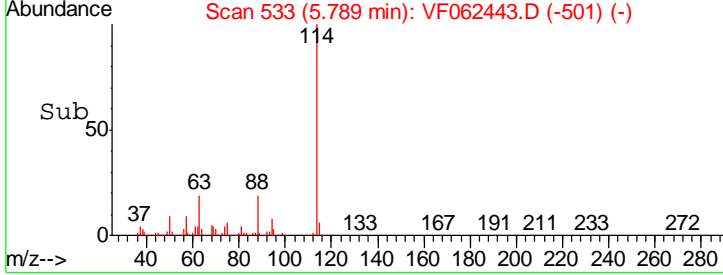
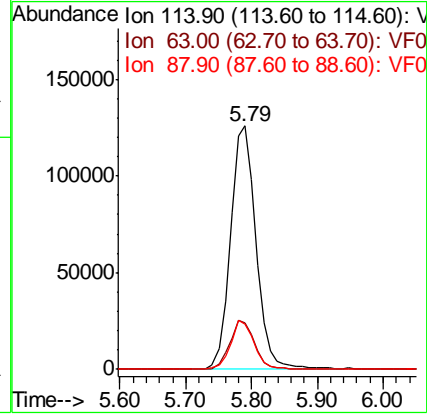
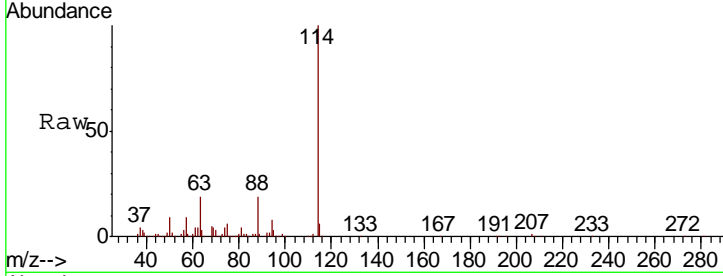




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.79 min Scan# 533  
 Delta R.T. 0.02 min  
 Lab File: VF062443.D  
 Acq: 11 May 2019 3:12

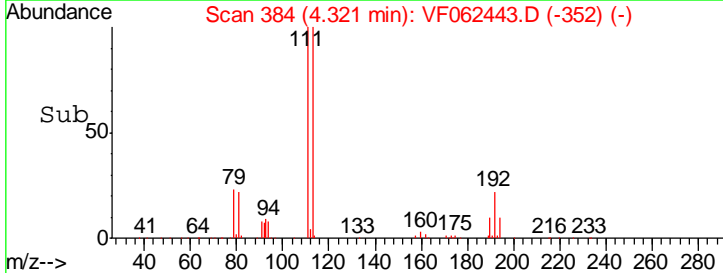
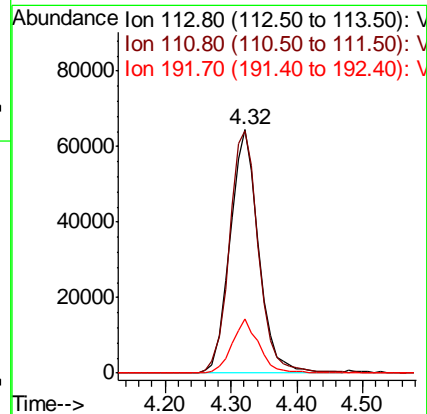
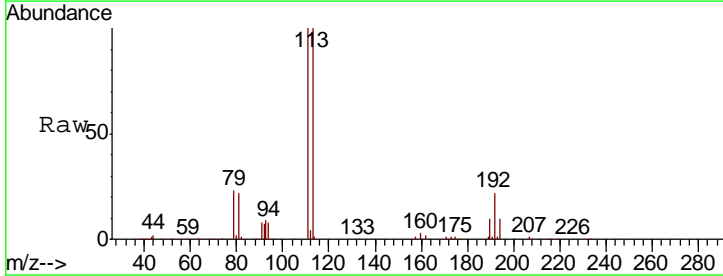
Instrument :  
 MSVOA\_F  
 ClientSampled :  
 C-1

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.0	0.0	37.4
88	18.7	0.0	36.4

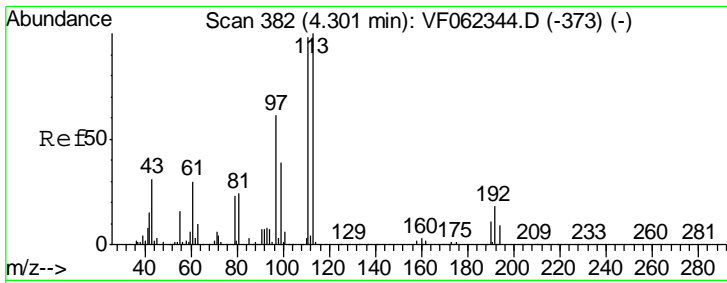


#35  
 Dibromofluoromethane  
 Concen: 72.256 ug/l  
 RT: 4.32 min Scan# 384  
 Delta R.T. 0.02 min  
 Lab File: VF062443.D  
 Acq: 11 May 2019 3:12

Tgt Ion	Resp	Lower	Upper
113	100		
111	101.4	79.4	119.0
192	20.8	16.0	24.0



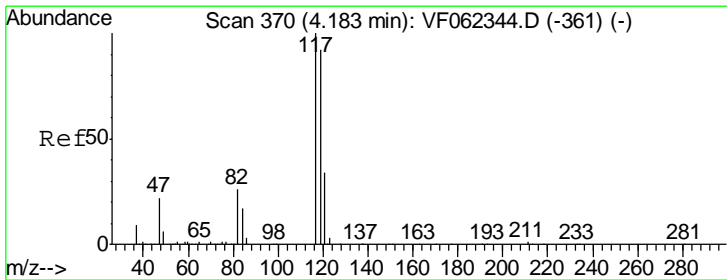
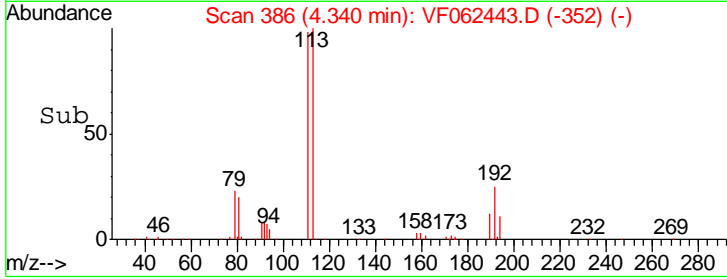
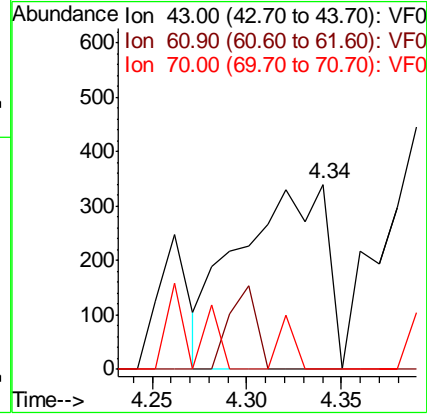
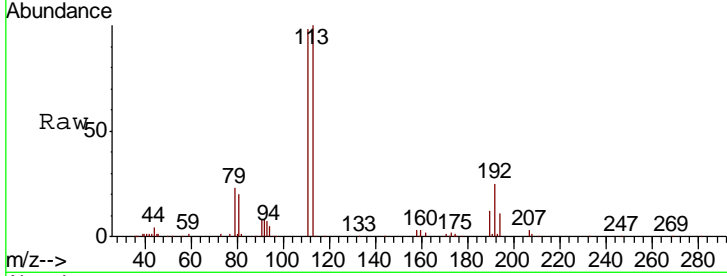




#37  
Ethyl Acetate  
Concen: Below Cal  
RT: 4.34 min Scan# 386  
Delta R.T. 0.04 min  
Lab File: VF062443.D  
Acq: 11 May 2019 3:12

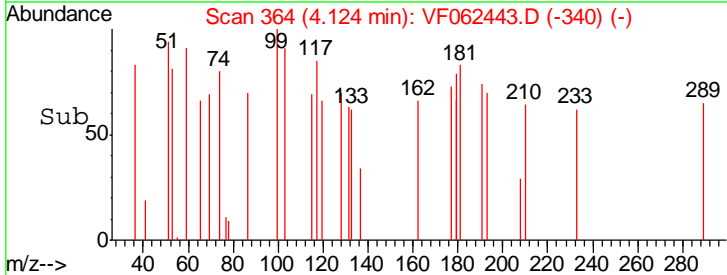
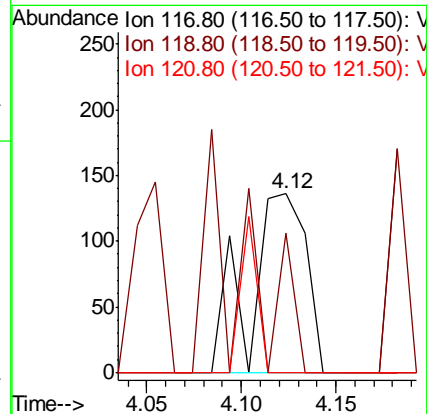
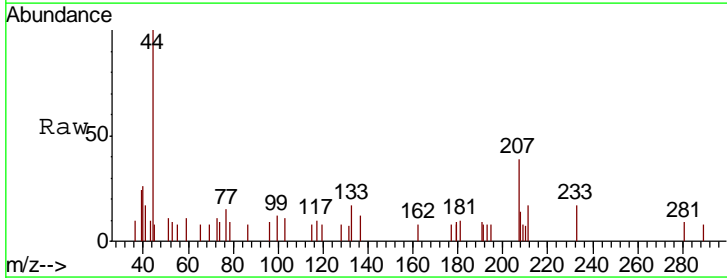
Instrument :  
MSVOA\_F  
ClientSampled :  
C-1

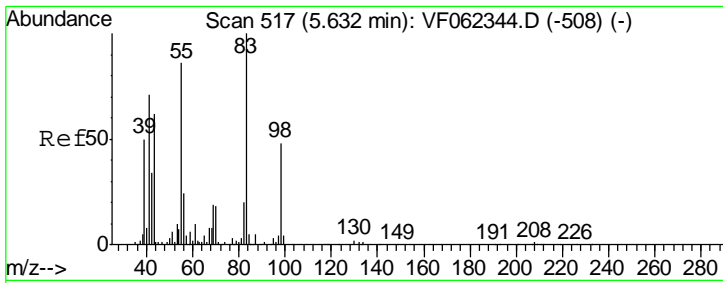
Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	0.0	0.0
70	5.4	8.2	12.2#



#38  
Carbon Tetrachloride  
Concen: Below Cal  
RT: 4.12 min Scan# 364  
Delta R.T. -0.06 min  
Lab File: VF062443.D  
Acq: 11 May 2019 3:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	77.9	73.4	110.2
121	0.0	27.4	41.0#

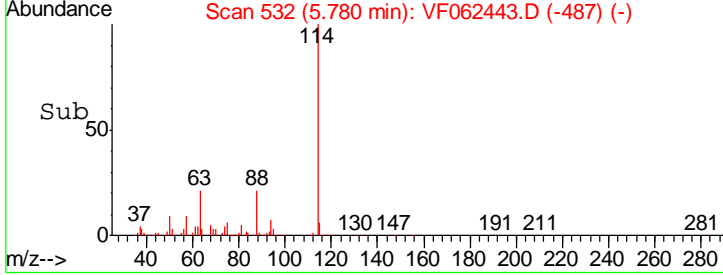
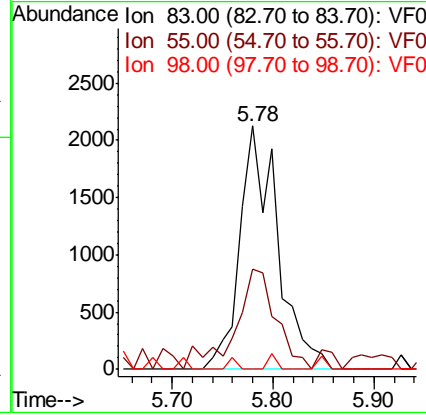
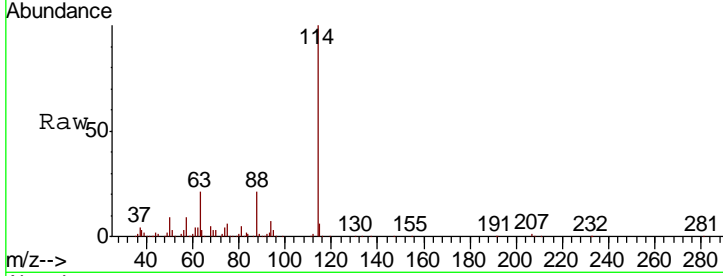




#39  
 Methylcyclohexane  
 Concen: 1.877 ug/l  
 RT: 5.78 min Scan# 532  
 Delta R.T. 0.15 min  
 Lab File: VF062443.D  
 Acq: 11 May 2019 3:12

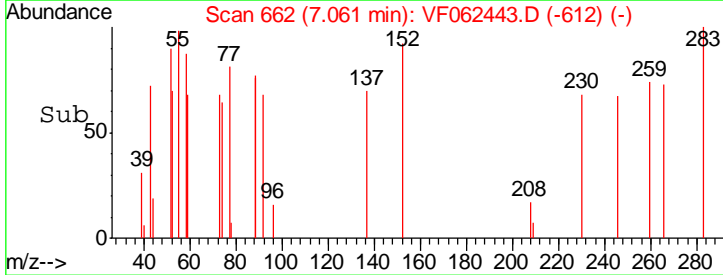
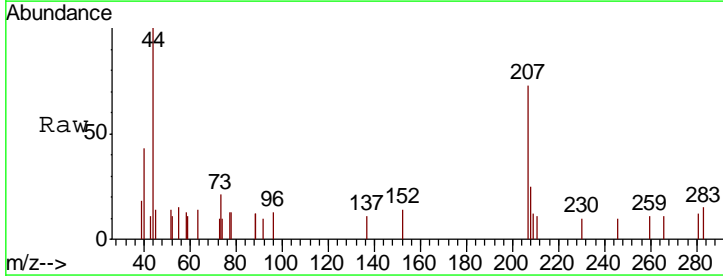
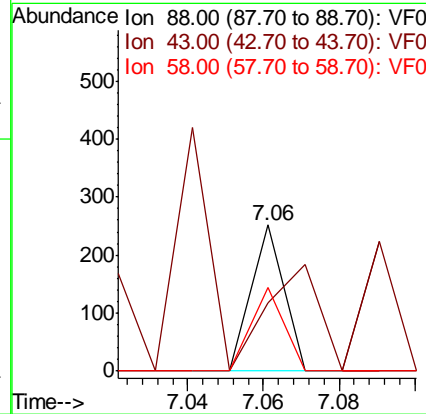
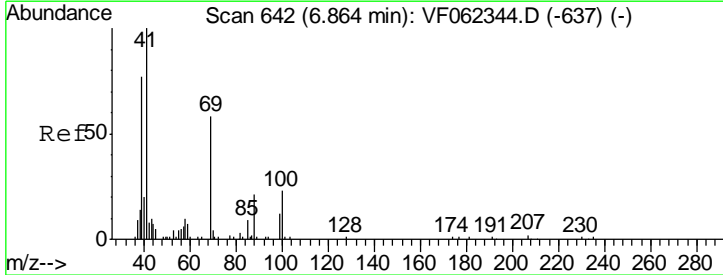
Instrument :  
 MSVOA\_F  
 ClientSampled :  
 C-1

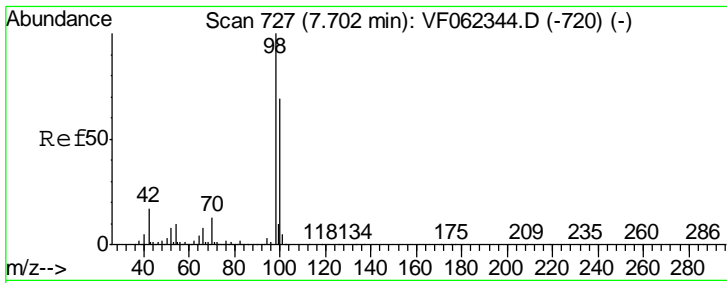
Tgt Ion	Resp	Lower	Upper
83	100		
55	41.3	69.0	103.6#
98	0.0	38.6	58.0#



#49  
 1,4-Dioxane  
 Concen: 2.324 ug/l  
 RT: 7.06 min Scan# 662  
 Delta R.T. 0.20 min  
 Lab File: VF062443.D  
 Acq: 11 May 2019 3:12

Tgt Ion	Resp	Lower	Upper
88	100		
43	73.2	55.6	83.4
58	57.0	52.8	79.2

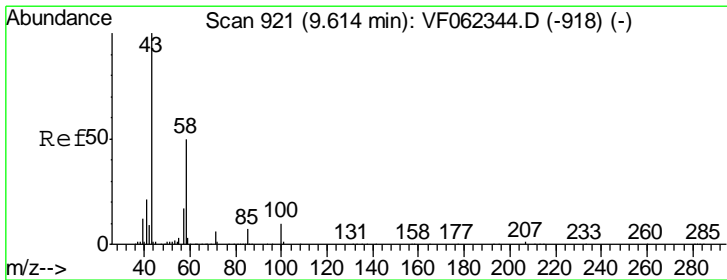
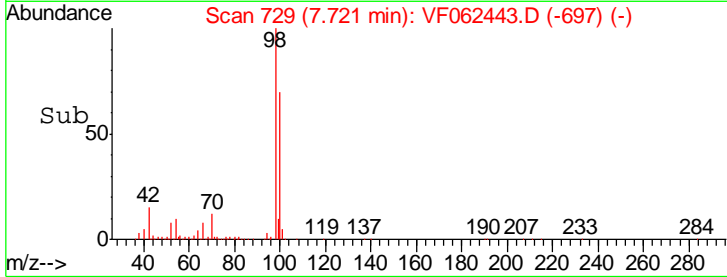
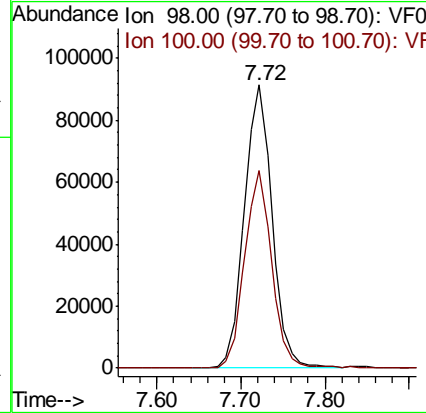
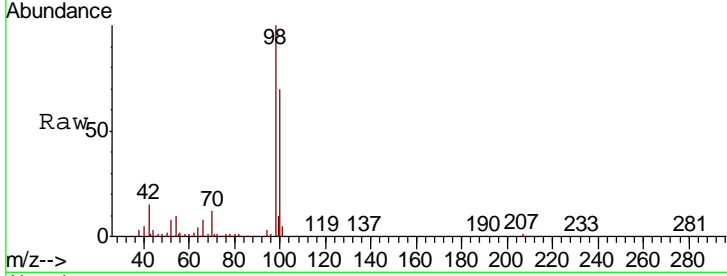




#50  
 Toluene-d8  
 Concen: 32.060 ug/l  
 RT: 7.72 min Scan# 729  
 Delta R.T. 0.02 min  
 Lab File: VF062443.D  
 Acq: 11 May 2019 3:12

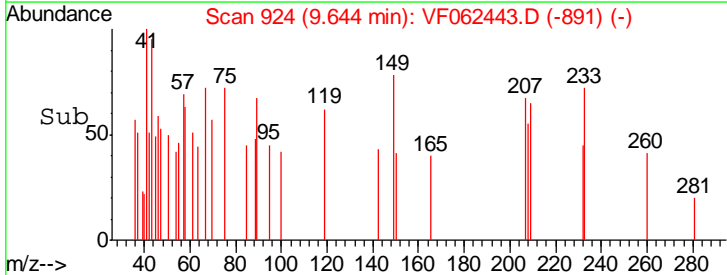
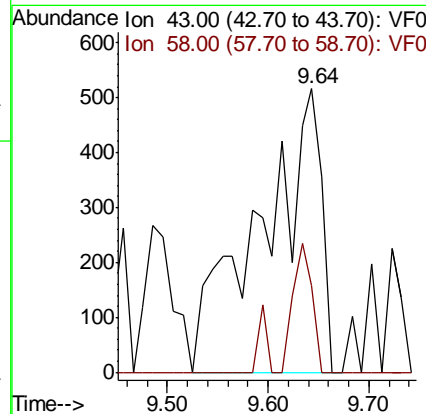
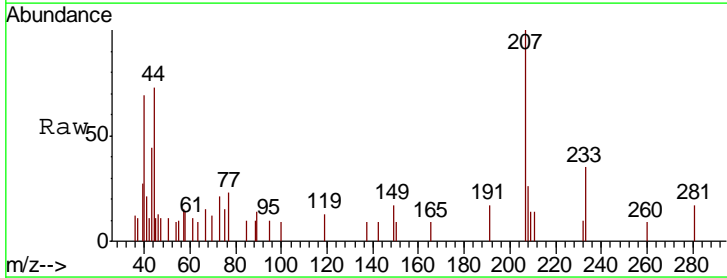
**Instrument :**  
 MSVOA\_F  
**Client Sampled :**  
 C-1

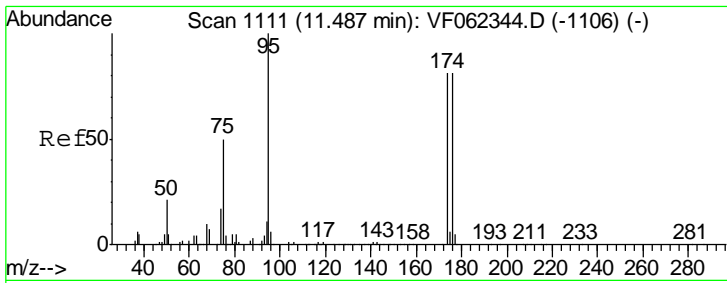
Tgt Ion	Resp	Lower	Upper
98	211171		
100	68.1	53.3	79.9



#59  
 2-Hexanone  
 Concen: 3.070 ug/l  
 RT: 9.64 min Scan# 924  
 Delta R.T. 0.03 min  
 Lab File: VF062443.D  
 Acq: 11 May 2019 3:12

Tgt Ion	Resp	Lower	Upper
43	2147		
58	14.7	24.3	73.0#

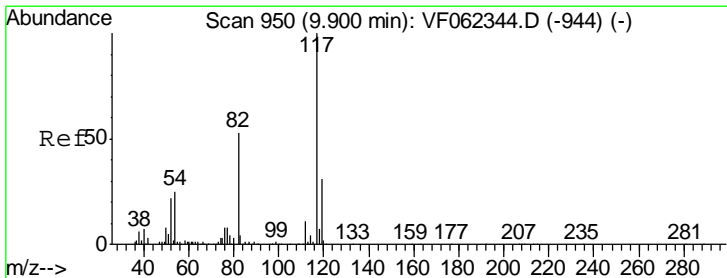
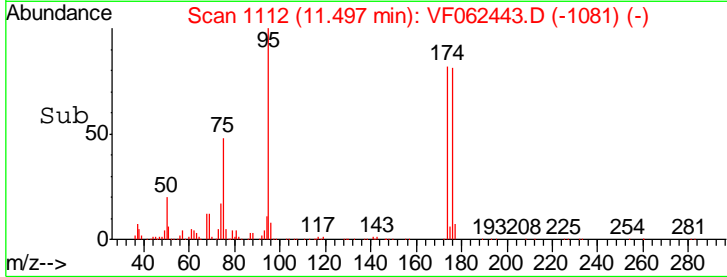
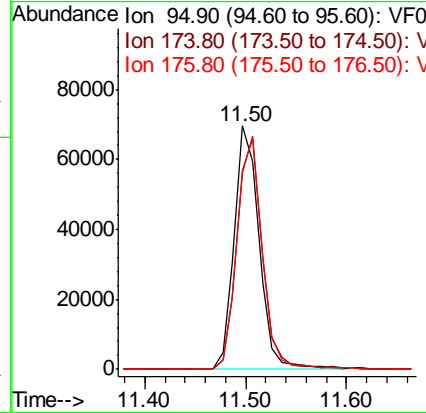
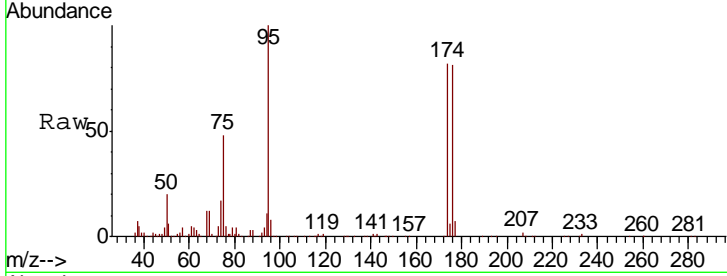




#62  
 4-Bromofluorobenzene  
 Concen: 40.158 ug/l  
 RT: 11.50 min Scan# 1112  
 Delta R.T. 0.01 min  
 Lab File: VF062443.D  
 Acq: 11 May 2019 3:12

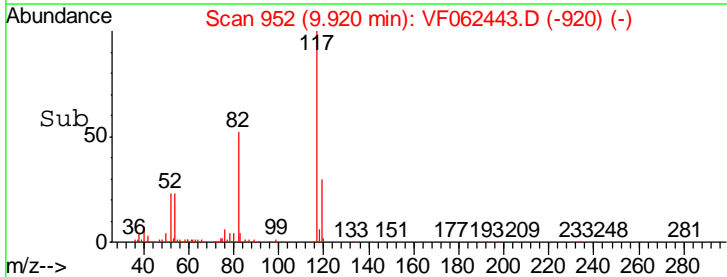
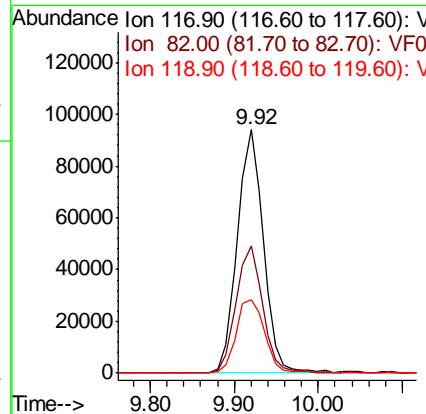
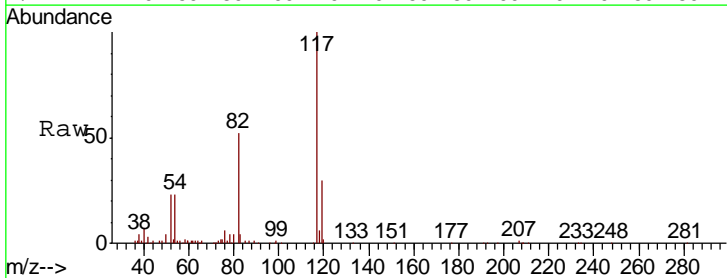
Instrument :  
 MSVOA\_F  
 ClientSampled :  
 C-1

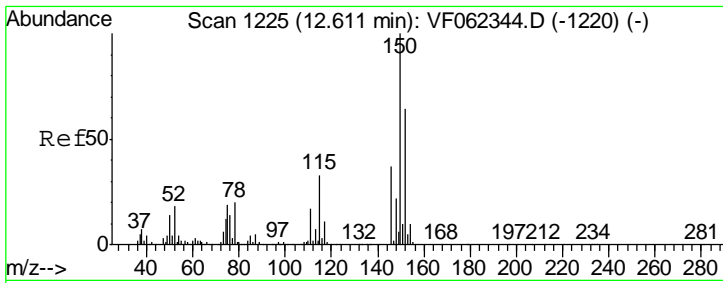
Tgt Ion	Resp	Lower	Upper
95	119338		
174	97.1	0.0	191.8
176	97.2	0.0	193.2



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 9.92 min Scan# 952  
 Delta R.T. 0.02 min  
 Lab File: VF062443.D  
 Acq: 11 May 2019 3:12

Tgt Ion	Resp	Lower	Upper
117	204288		
82	52.0	42.2	63.2
119	30.1	25.0	37.4

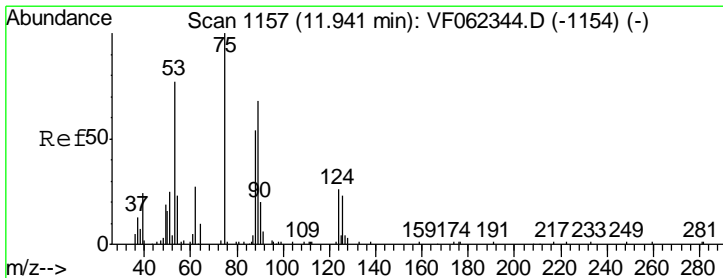
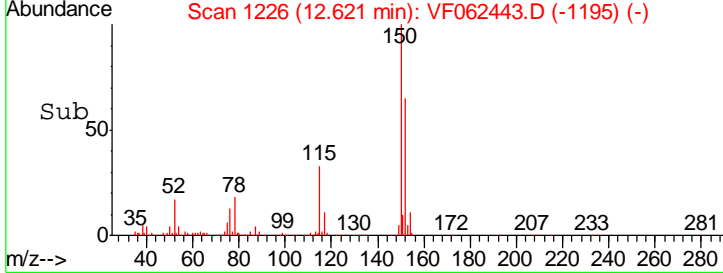
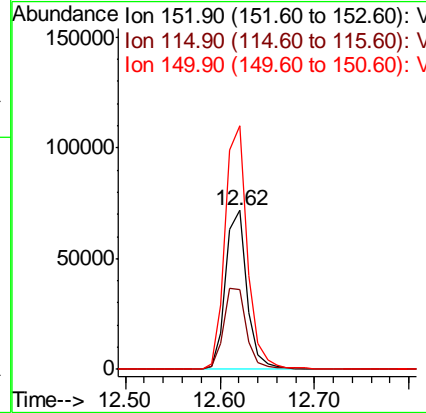
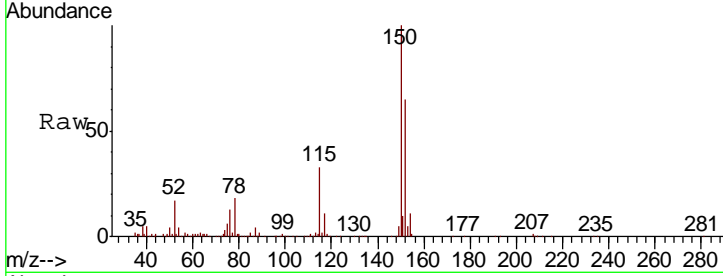




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.62 min Scan# 1226  
 Delta R.T. 0.01 min  
 Lab File: VF062443.D  
 Acq: 11 May 2019 3:12

Instrument :  
 MSVOA\_F  
 ClientSampled :  
 C-1

Tgt Ion	Resp	Lower	Upper
152	100		
115	54.6	26.4	79.2
150	159.0	0.0	335.0



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 1.603 ug/l  
 RT: 11.97 min Scan# 1160  
 Delta R.T. 0.03 min  
 Lab File: VF062443.D  
 Acq: 11 May 2019 3:12

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.0	71.9	107.9#
89	0.0	0.0	0.0

