

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110619\  
 Data File : VY000550.D  
 Acq On : 06 Nov 2019 14:48  
 Operator : SY/MD  
 Sample : K5713-03  
 Misc : 4.68G/5ML/MSVOA Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 07 04:56:45 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y103019S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 30 13:30:53 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	199166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	354479	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	320529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	141086	50.00	ug/l	0.00

## System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	117843	57.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.34%	
35) Dibromofluoromethane	7.73	113	104929	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.18	98	411569	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.48	95	132922	44.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.44%	

## Target Compounds

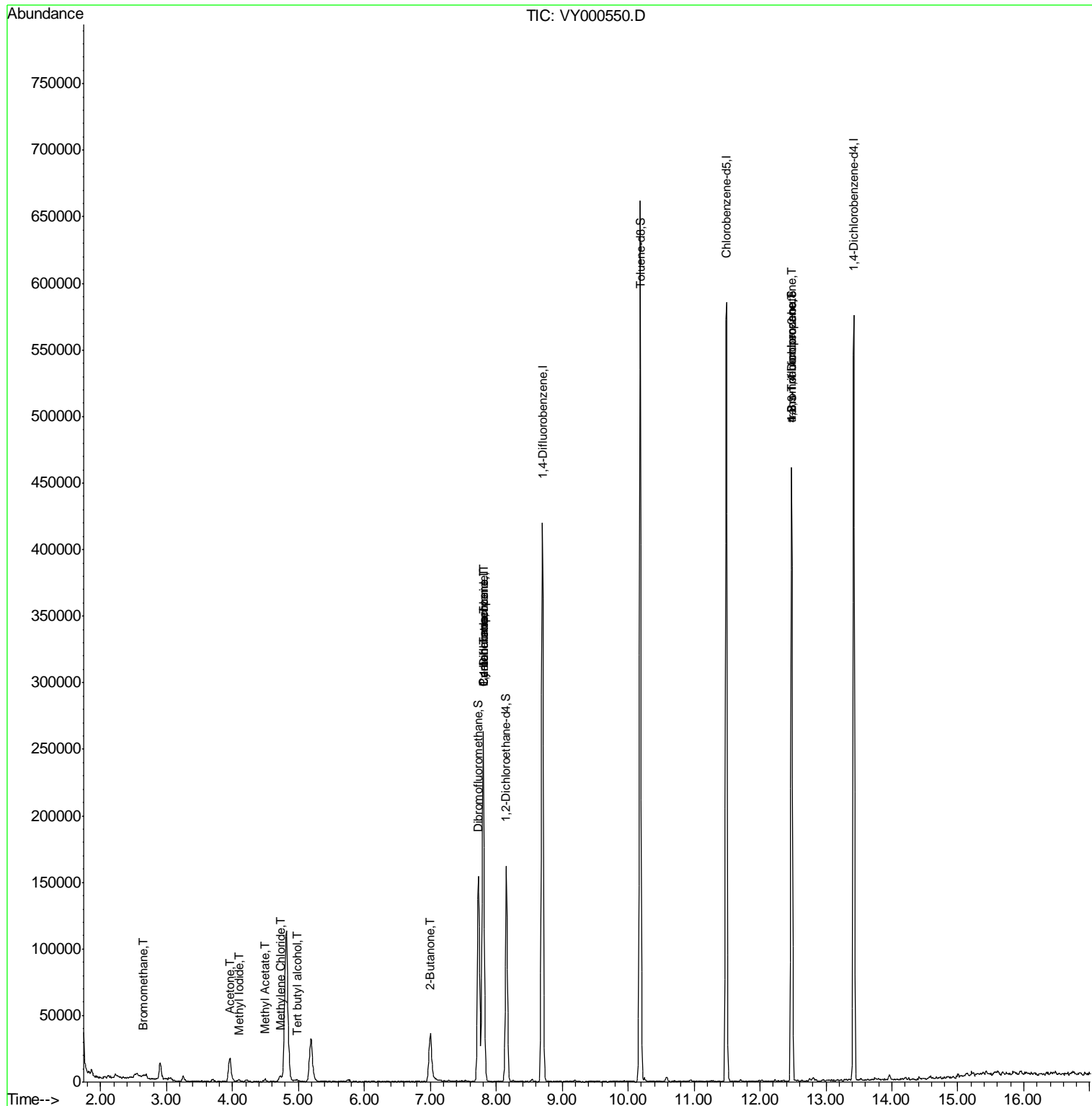
						Qvalue
5) Bromomethane	2.65	94	1542	1.025	ug/l	85
10) Methyl Iodide	4.09	142	1733	3.801	ug/l #	45
11) Tert butyl alcohol	4.98	59	1682	8.383	ug/l #	84
16) Acetone	3.96	43	30339	53.408	ug/l	94
18) Methyl Acetate	4.50	43	3336	1.889	ug/l #	72
20) Methylene Chloride	4.72	84	3174	1.304	ug/l #	85
25) 2-Butanone	6.99	43	1092	1.205	ug/l #	63
31) Cyclohexane	7.80	56	4733	1.186	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	16168	4.825	ug/l #	51
38) Carbon Tetrachloride	7.80	117	19293	5.983	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	74143	46.153	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	74143	103.481	ug/l #	13

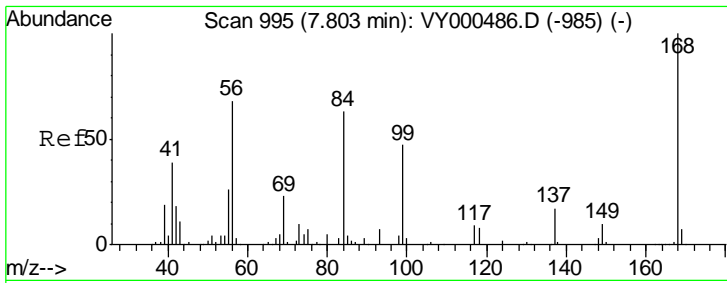
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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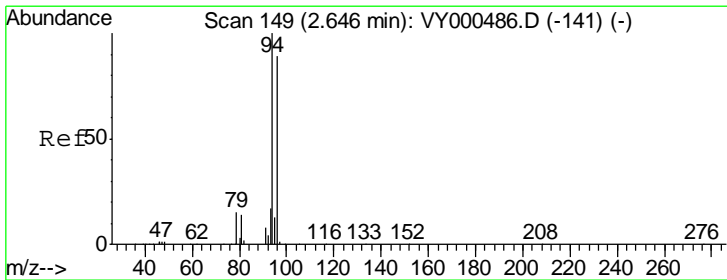
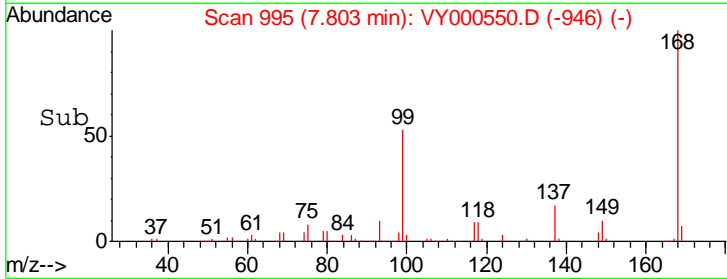
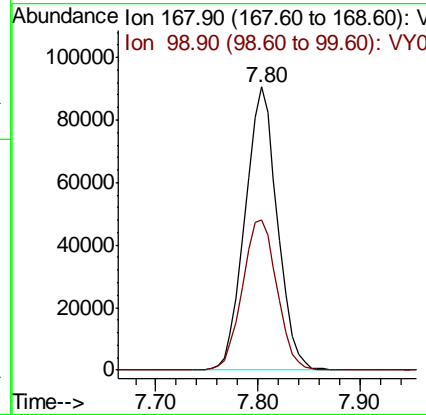
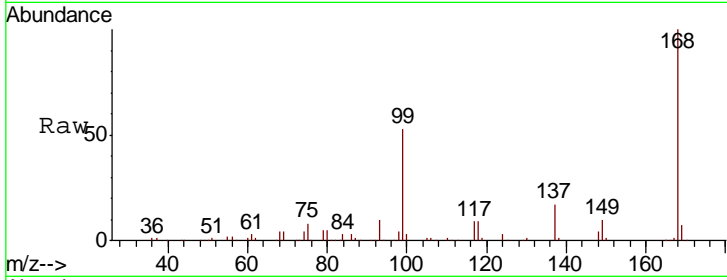




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.80 min Scan# 995  
 Delta R.T. 0.00 min  
 Lab File: VY000550.D  
 Acq: 06 Nov 2019 14:48

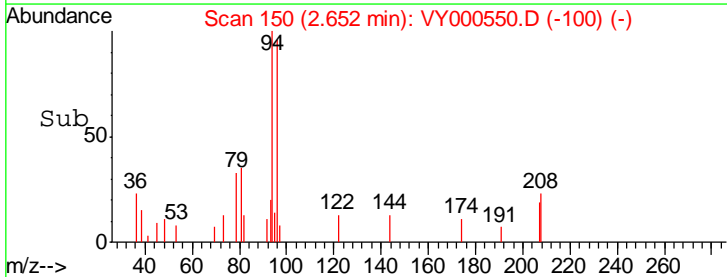
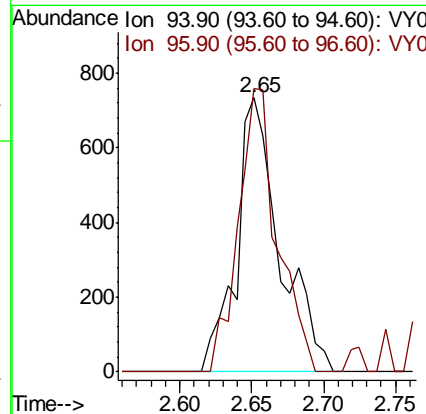
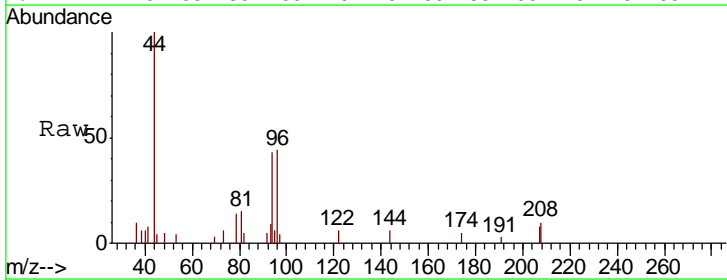
Instrument :  
 MSVOA\_Y  
 ClientSampled :

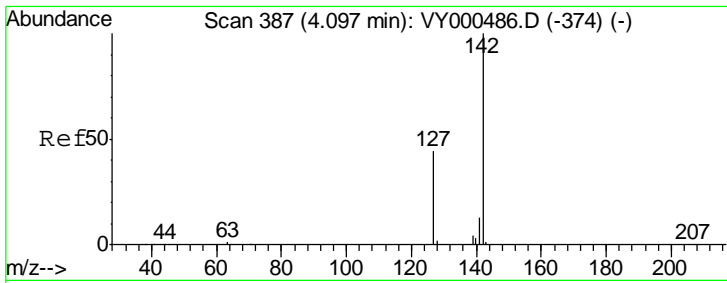
Tgt Ion	Resp	Lower	Upper
168	100		
99	53.3	45.7	68.5



#5  
 Bromomethane  
 Concen: 1.025 ug/l  
 RT: 2.65 min Scan# 150  
 Delta R.T. 0.01 min  
 Lab File: VY000550.D  
 Acq: 06 Nov 2019 14:48

Tgt Ion	Resp	Lower	Upper
94	100		
96	103.1	71.2	106.8

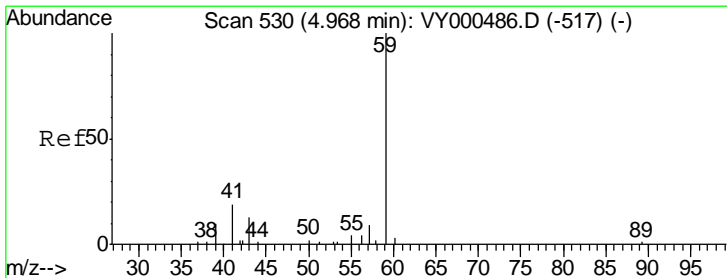
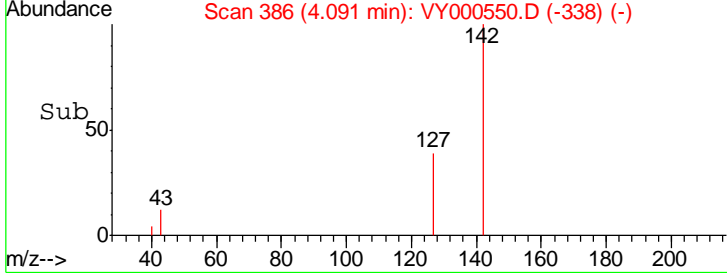
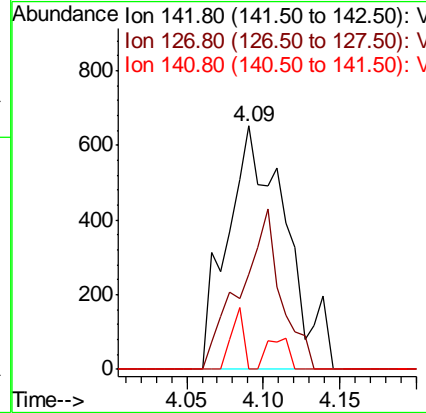
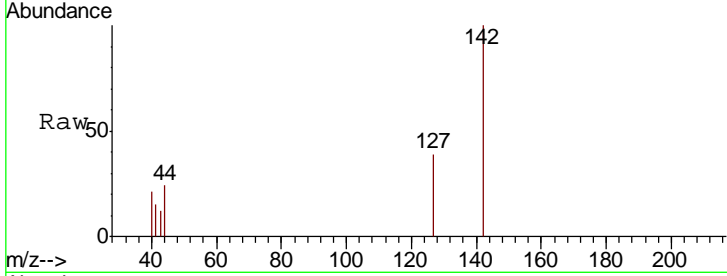




#10  
 Methyl Iodide  
 Concen: 3.801 ug/l  
 RT: 4.09 min Scan# 386  
 Delta R.T. -0.01 min  
 Lab File: VY000550.D  
 Acq: 06 Nov 2019 14:48

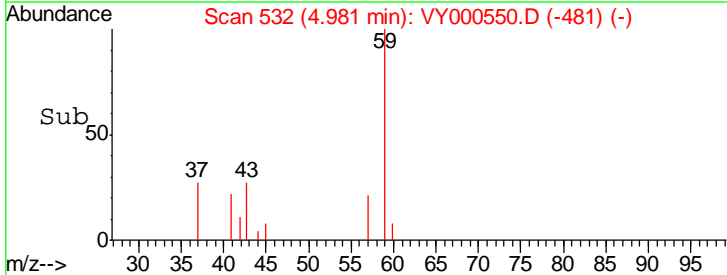
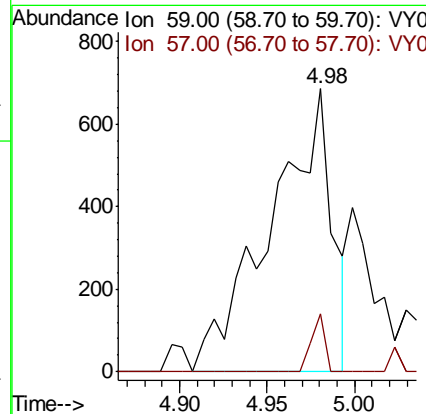
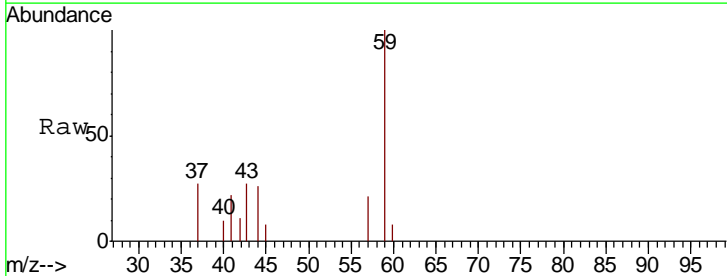
Instrument :  
 MSVOA\_Y  
 ClientSampled :

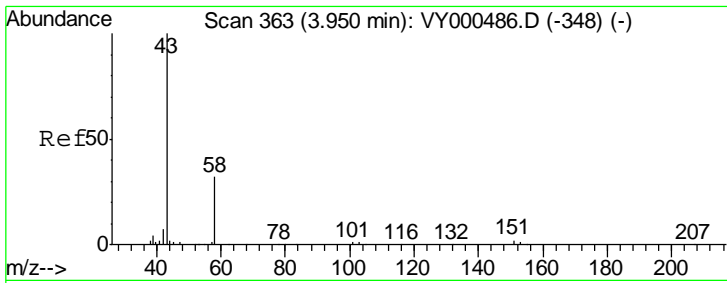
Tgt Ion	Resp	Lower	Upper
142	1733		
127	0.0	33.7	50.5#
141	5.3	10.9	16.3#



#11  
 Tert butyl alcohol  
 Concen: 8.383 ug/l  
 RT: 4.98 min Scan# 532  
 Delta R.T. 0.01 min  
 Lab File: VY000550.D  
 Acq: 06 Nov 2019 14:48

Tgt Ion	Resp	Lower	Upper
59	1682		
57	4.5	8.6	12.8#

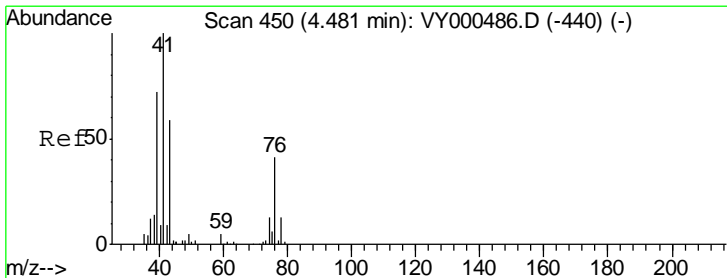
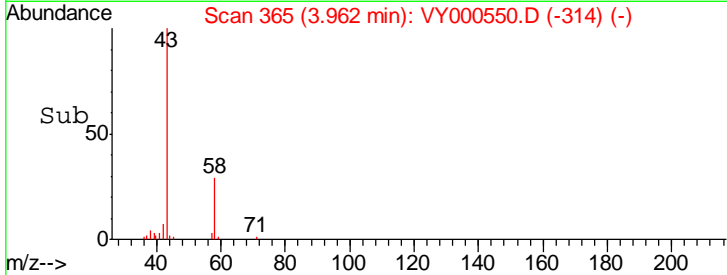
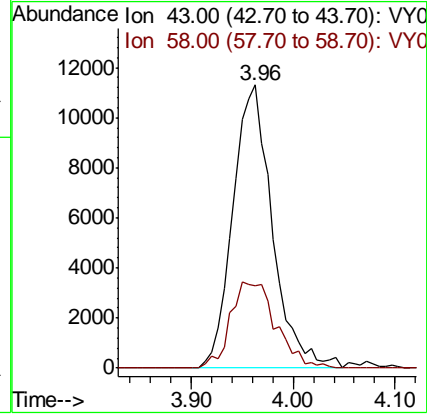
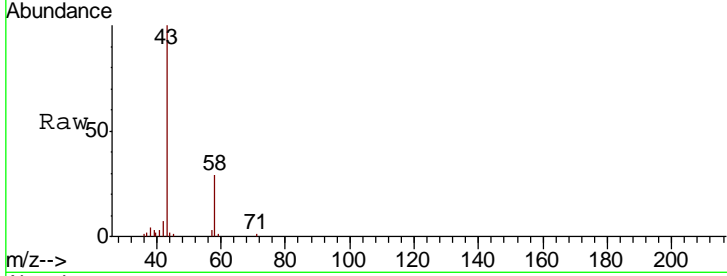




#16  
 Acetone  
 Concen: 53.408 ug/l  
 RT: 3.96 min Scan# 365  
 Delta R.T. 0.01 min  
 Lab File: VY000550.D  
 Acq: 06 Nov 2019 14:48

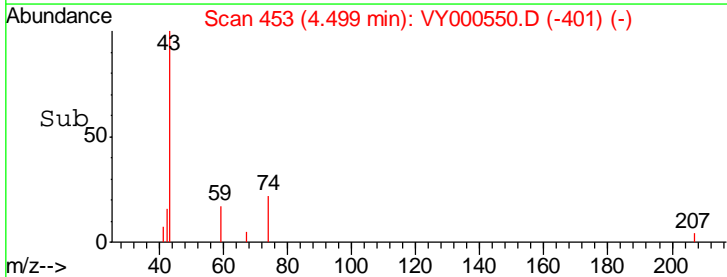
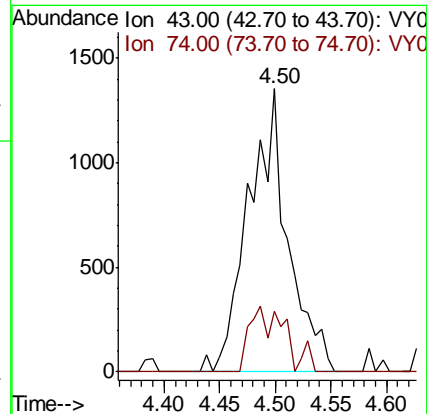
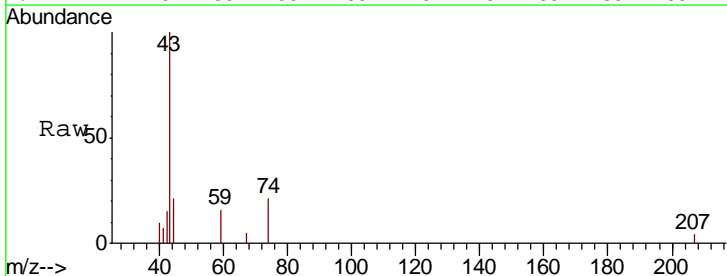
Instrument :  
 MSVOA\_Y  
 ClientSampled :

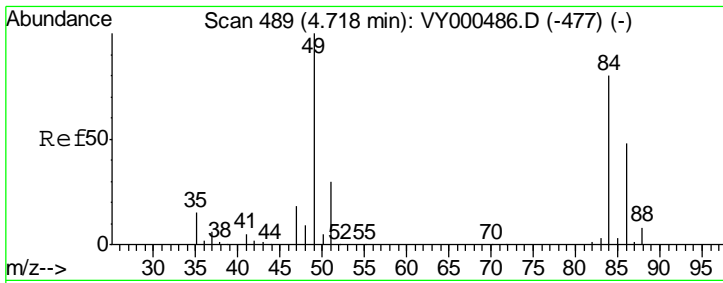
Tgt Ion	Resp	Lower	Upper
43	100		
58	29.0	25.8	38.6



#18  
 Methyl Acetate  
 Concen: 1.889 ug/l  
 RT: 4.50 min Scan# 453  
 Delta R.T. 0.02 min  
 Lab File: VY000550.D  
 Acq: 06 Nov 2019 14:48

Tgt Ion	Resp	Lower	Upper
43	100		
74	10.4	19.2	28.8#

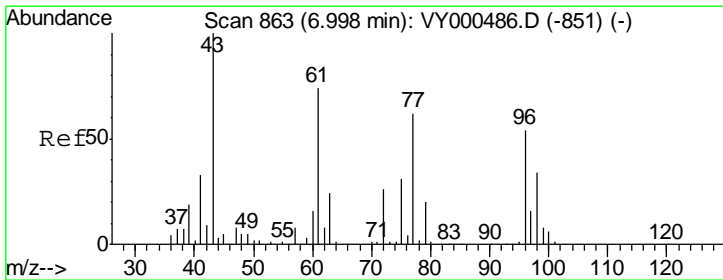
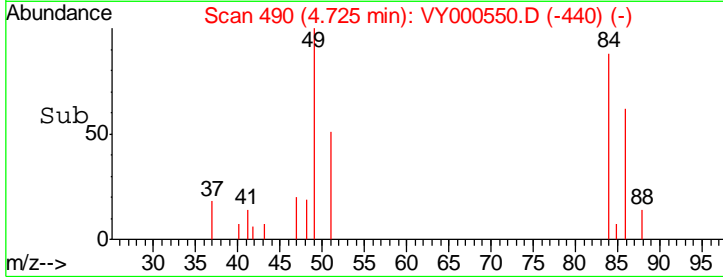
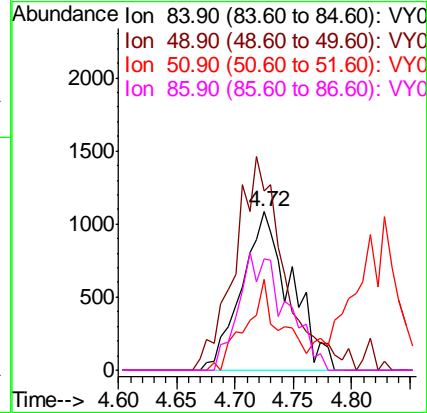
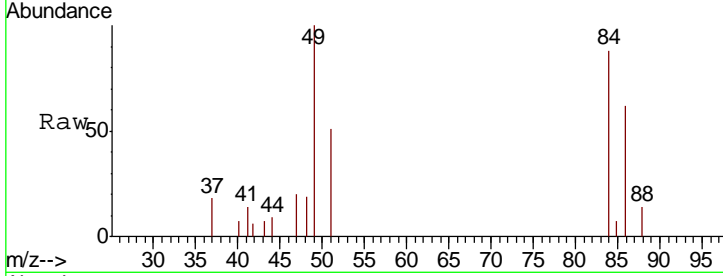




#20  
 Methylene Chloride  
 Concen: 1.304 ug/l  
 RT: 4.72 min Scan# 490  
 Delta R.T. 0.01 min  
 Lab File: VY000550.D  
 Acq: 06 Nov 2019 14:48

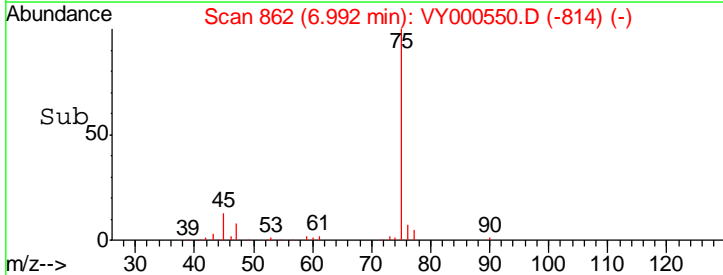
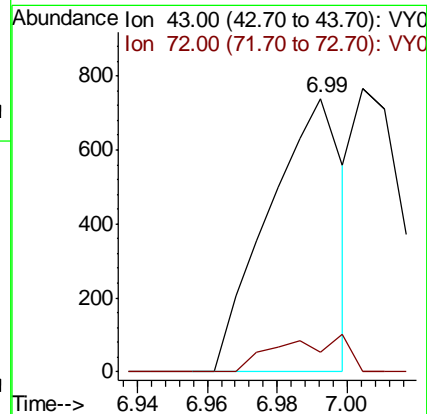
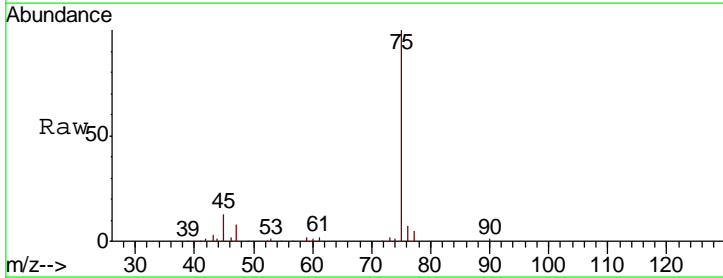
Instrument :  
 MSVOA\_Y  
 ClientSampled :

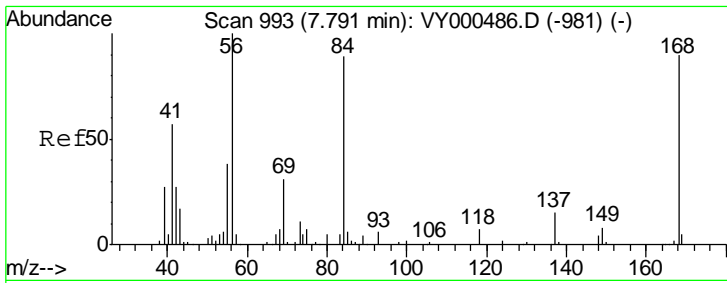
Tgt Ion	Resp	Lower	Upper
84	3174		
49	113.1	100.2	150.4
51	57.3	29.6	44.4#
86	70.2	48.3	72.5



#25  
 2-Butanone  
 Concen: 1.205 ug/l  
 RT: 6.99 min Scan# 862  
 Delta R.T. -0.01 min  
 Lab File: VY000550.D  
 Acq: 06 Nov 2019 14:48

Tgt Ion	Resp	Lower	Upper
43	1092		
72	7.3	20.9	31.3#

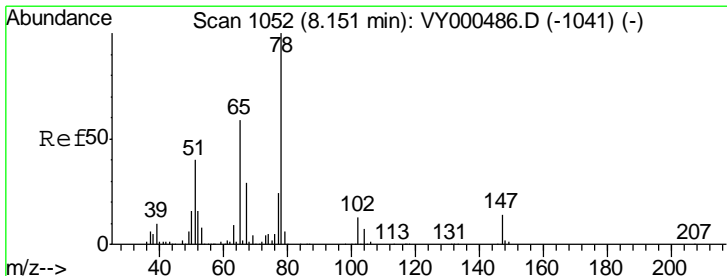
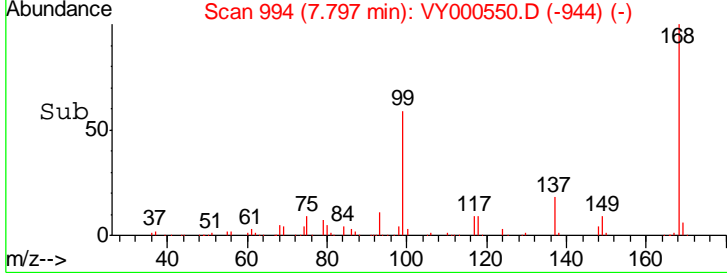
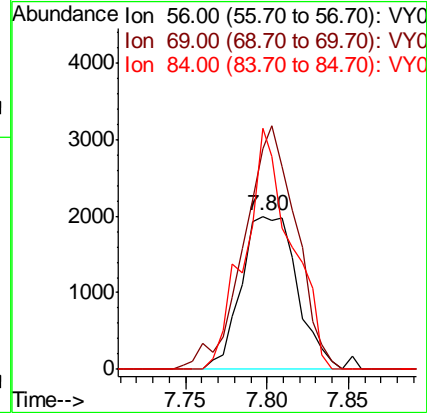
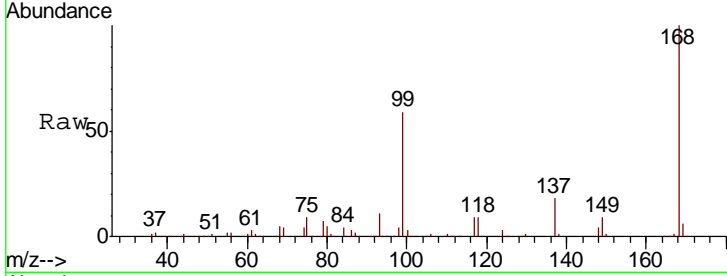




#31  
 Cyclohexane  
 Concen: 1.186 ug/l  
 RT: 7.80 min Scan# 994  
 Delta R.T. 0.01 min  
 Lab File: VY000550.D  
 Acq: 06 Nov 2019 14:48

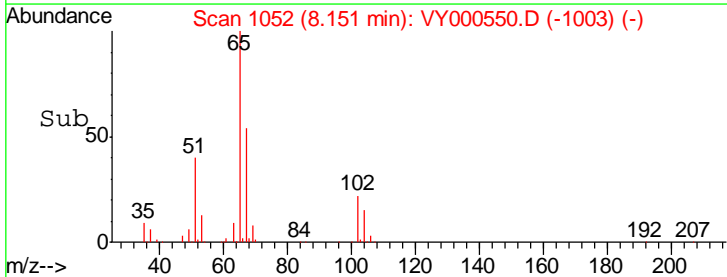
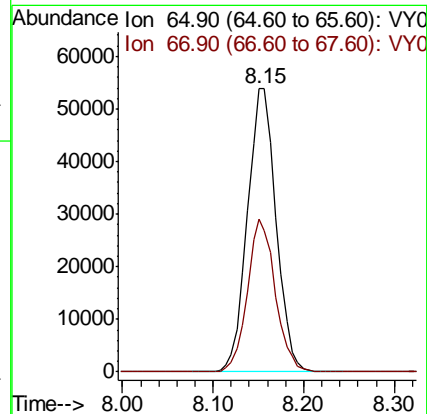
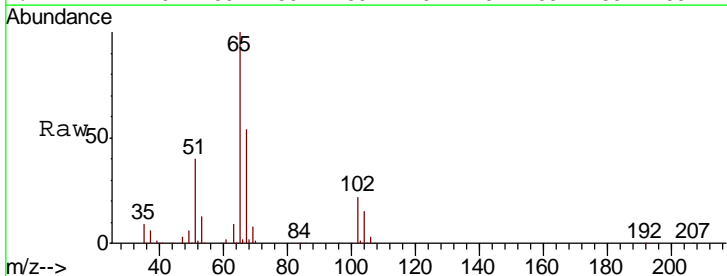
Instrument :  
 MSVOA\_Y  
 ClientSampled :

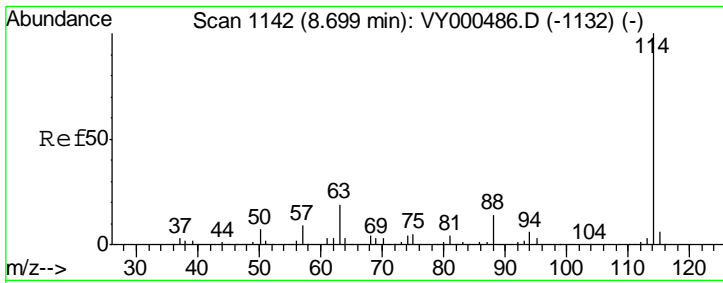
Tgt Ion	Resp	Lower	Upper
56	4733		
69	144.3	25.0	37.6#
84	157.5	71.4	107.2#



#33  
 1,2-Dichloroethane-d4  
 Concen: 57.175 ug/l  
 RT: 8.15 min Scan# 1052  
 Delta R.T. 0.00 min  
 Lab File: VY000550.D  
 Acq: 06 Nov 2019 14:48

Tgt Ion	Resp	Lower	Upper
65	117843		
67	52.2	0.0	107.2

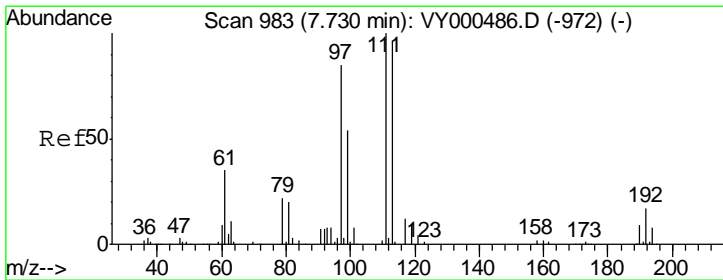
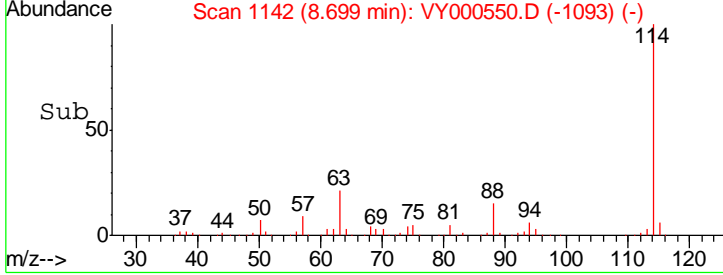
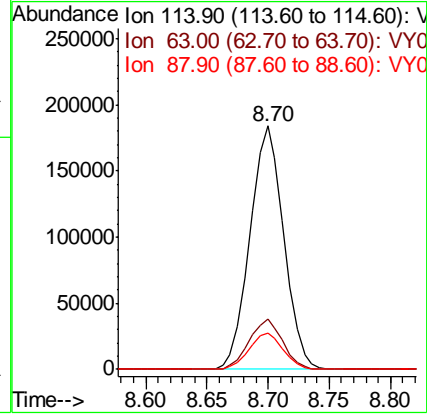
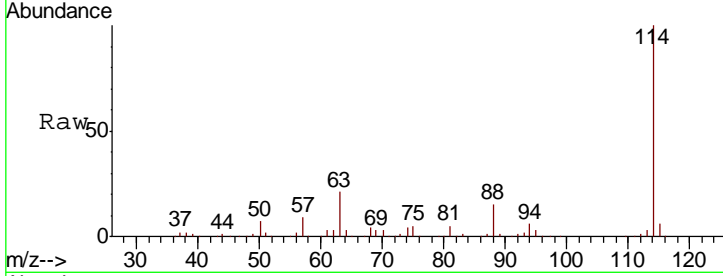




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. 0.00 min  
 Lab File: VY000550.D  
 Acq: 06 Nov 2019 14:48

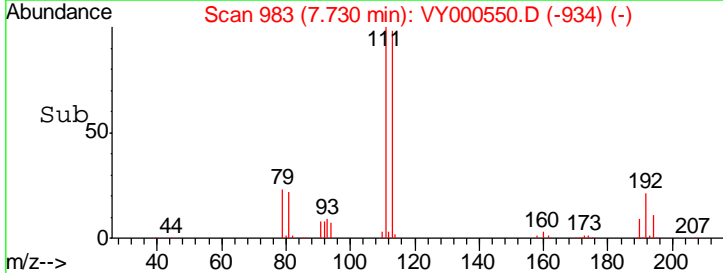
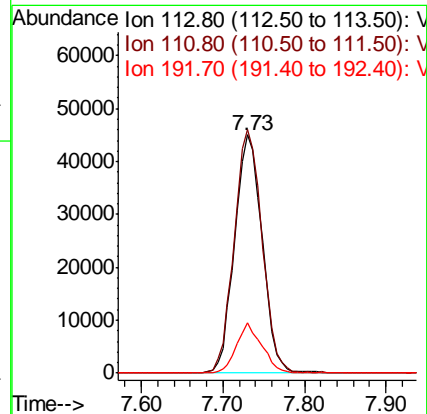
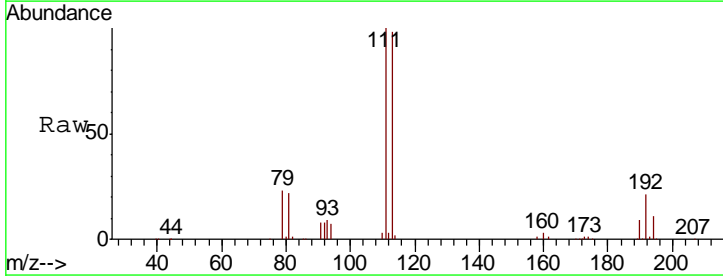
Instrument :  
 MSVOA\_Y  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
114	354479		
63	20.7	0.0	38.0
88	14.8	0.0	28.6

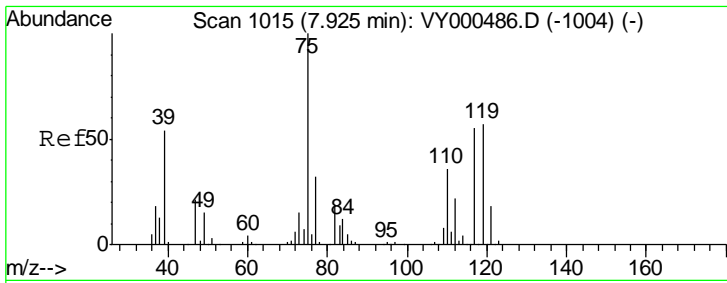


#35  
 Dibromofluoromethane  
 Concen: 50.422 ug/l  
 RT: 7.73 min Scan# 983  
 Delta R.T. 0.00 min  
 Lab File: VY000550.D  
 Acq: 06 Nov 2019 14:48

Tgt Ion	Resp	Lower	Upper
113	104929		
111	103.0	81.7	122.5
192	19.3	15.0	22.4



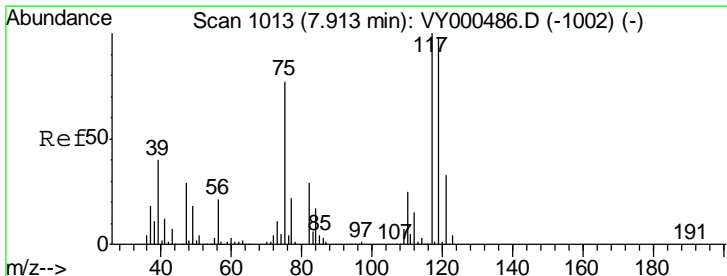
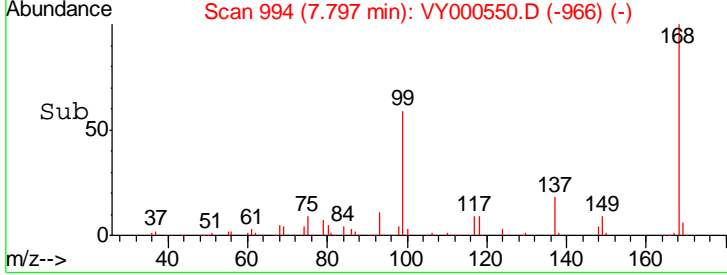
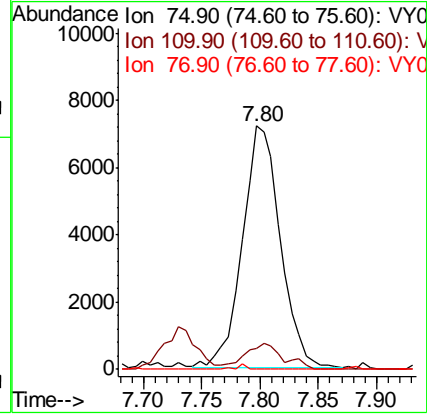
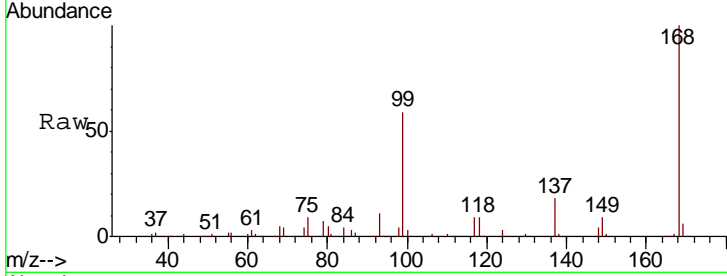




#36  
 1,1-Dichloropropene  
 Concen: 4.825 ug/l  
 RT: 7.80 min Scan# 994  
 Delta R.T. -0.13 min  
 Lab File: VY000550.D  
 Acq: 06 Nov 2019 14:48

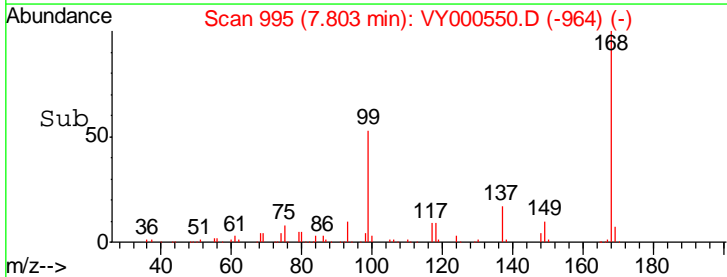
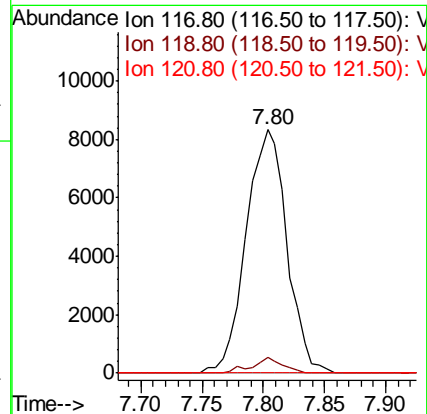
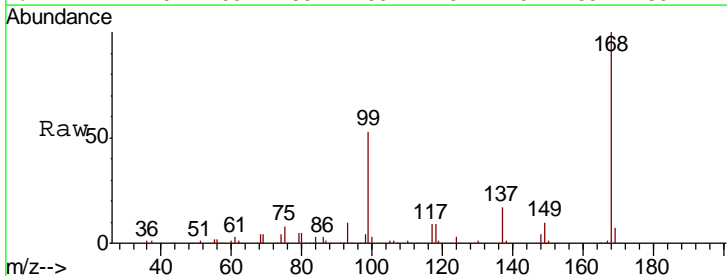
Instrument :  
 MSVOA\_Y  
 ClientSampled :

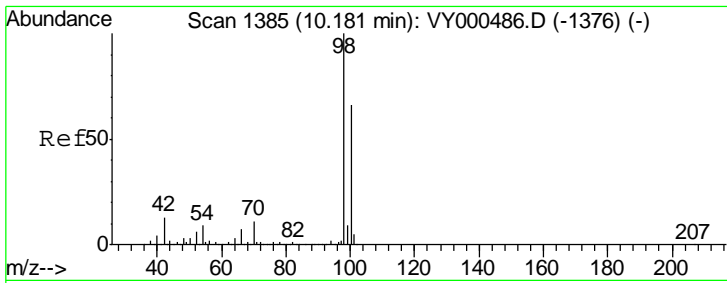
Tgt Ion	Resp	Lower	Upper
75	16168		
110	10.9	18.1	54.1#
77	0.5	25.0	37.6#



#38  
 Carbon Tetrachloride  
 Concen: 5.983 ug/l  
 RT: 7.80 min Scan# 995  
 Delta R.T. -0.11 min  
 Lab File: VY000550.D  
 Acq: 06 Nov 2019 14:48

Tgt Ion	Resp	Lower	Upper
117	19293		
119	6.4	78.0	117.0#
121	0.0	26.6	40.0#

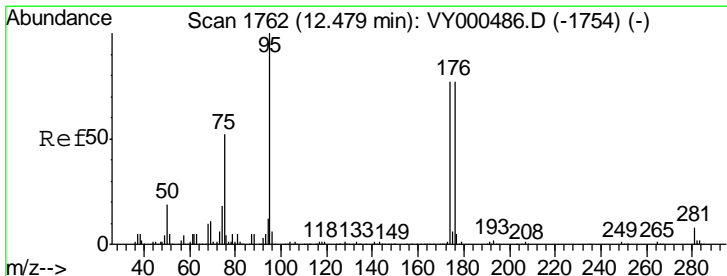
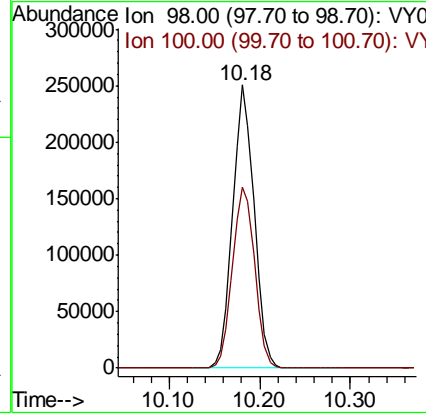
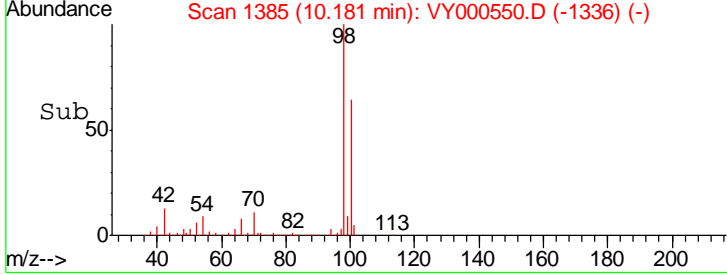
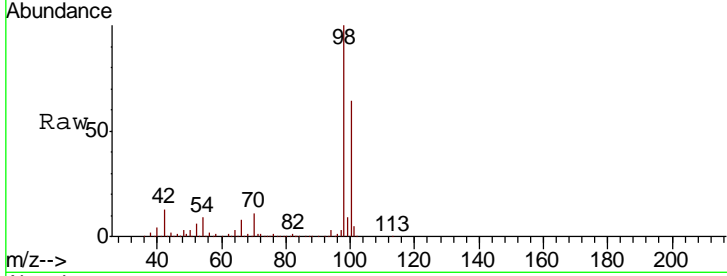




#50  
 Toluene-d8  
 Concen: 52.121 ug/l  
 RT: 10.18 min Scan# 1385  
 Delta R.T. 0.00 min  
 Lab File: VY000550.D  
 Acq: 06 Nov 2019 14:48

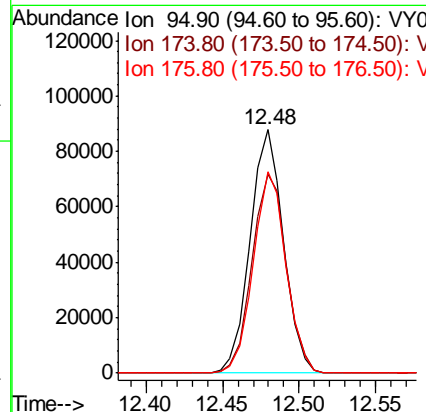
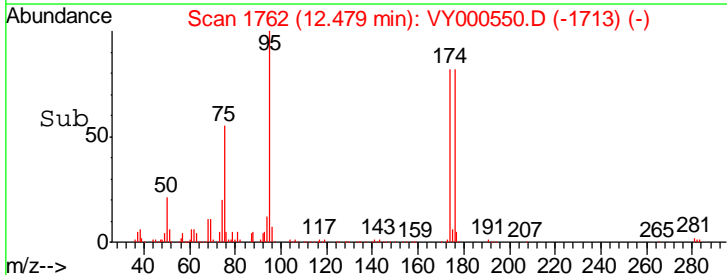
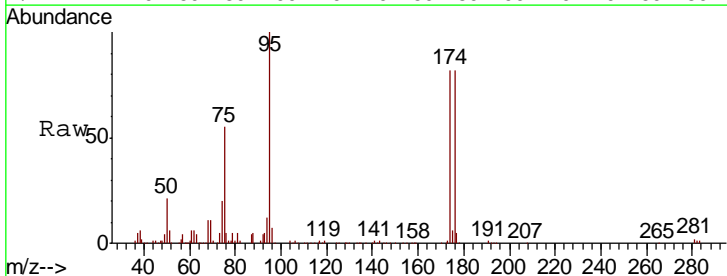
Instrument :  
 MSVOA\_Y  
 ClientSampled :

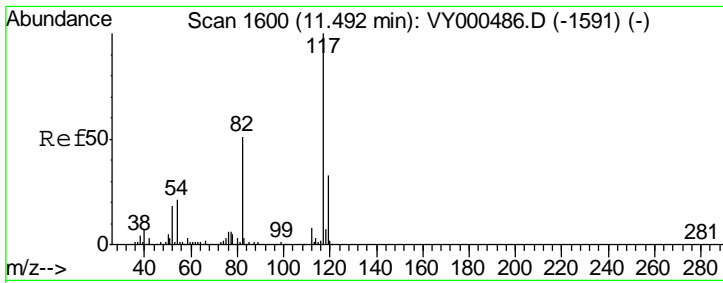
Tgt Ion	Resp	Lower	Upper
98	411569		
100	66.2	52.9	79.3



#62  
 4-Bromofluorobenzene  
 Concen: 44.217 ug/l  
 RT: 12.48 min Scan# 1762  
 Delta R.T. 0.00 min  
 Lab File: VY000550.D  
 Acq: 06 Nov 2019 14:48

Tgt Ion	Resp	Lower	Upper
95	132922		
174	84.2	0.0	161.6
176	81.1	0.0	157.8

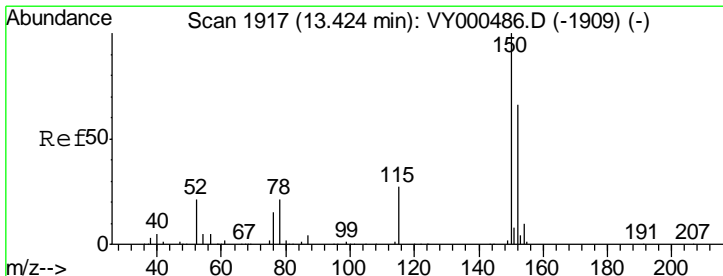
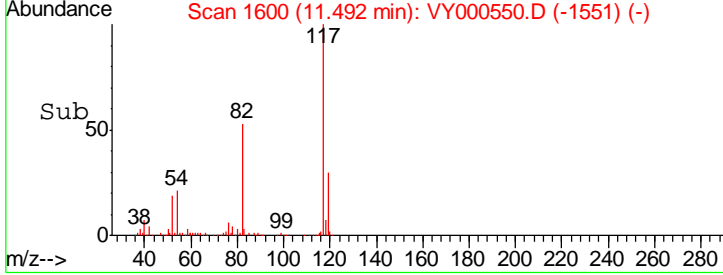
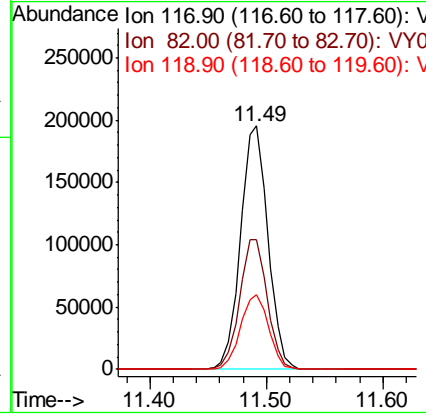
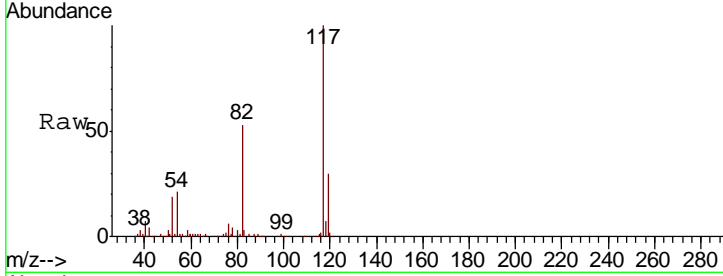




#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.49 min Scan# 1600  
 Delta R.T. 0.00 min  
 Lab File: VY000550.D  
 Acq: 06 Nov 2019 14:48

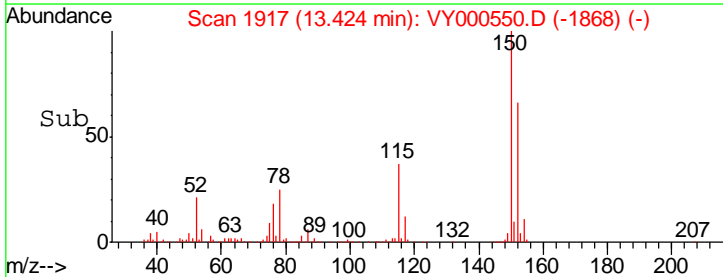
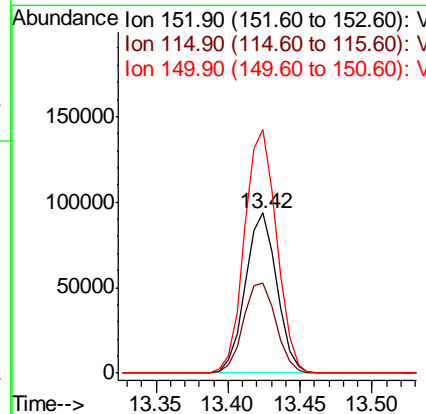
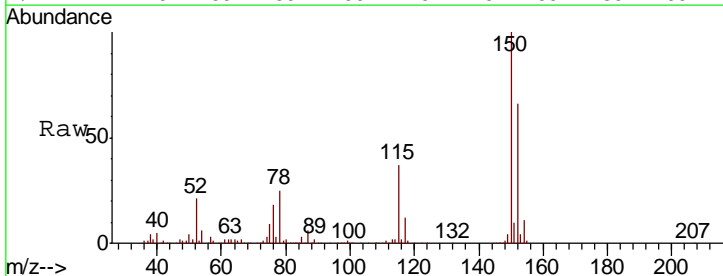
Instrument :  
 MSVOA\_Y  
 ClientSampled :

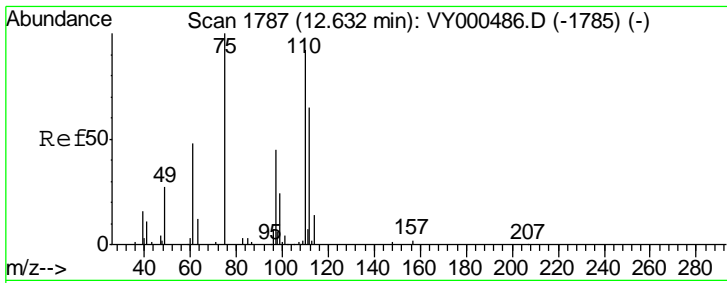
Tgt Ion	Resp	Lower	Upper
117	320529		
82	53.5	40.8	61.2
119	30.4	26.2	39.2



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.42 min Scan# 1917  
 Delta R.T. 0.00 min  
 Lab File: VY000550.D  
 Acq: 06 Nov 2019 14:48

Tgt Ion	Resp	Lower	Upper
152	141086		
115	58.8	29.1	87.4
150	155.4	0.0	348.8

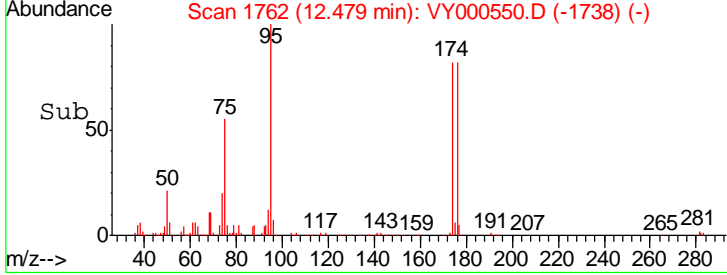
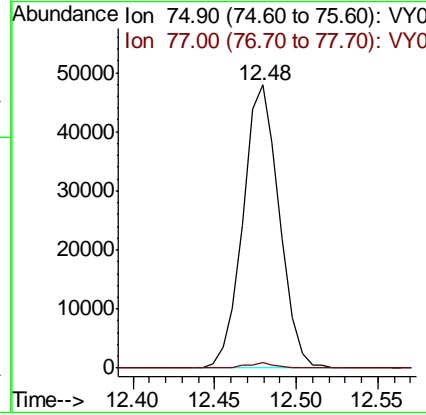
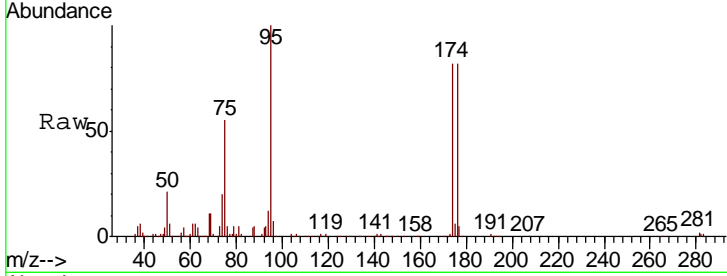




#76  
 1,2,3-Trichloropropane  
 Concen: 46.153 ug/l  
 RT: 12.48 min Scan# 1762  
 Delta R.T. -0.15 min  
 Lab File: VY000550.D  
 Acq: 06 Nov 2019 14:48

Instrument : MSVOA\_Y  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
75	100		
77	1.5	0.0	0.0#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 103.481 ug/l  
 RT: 12.48 min Scan# 1762  
 Delta R.T. 0.10 min  
 Lab File: VY000550.D  
 Acq: 06 Nov 2019 14:48

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.0	73.2	109.8#
89	0.1	35.9	53.9#

