

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032719\  
 Data File : VN054720.D  
 Acq On : 27 Mar 2019 14:24  
 Operator : JC/SP  
 Sample : K2086-11  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampled :

Quant Time: Mar 28 04:36:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N032019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 22 02:09:07 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	546795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	887596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	728851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	253554	50.00	ug/l	0.00

## System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	361626	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
35) Dibromofluoromethane	7.59	113	286609	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
50) Toluene-d8	10.09	98	1048764	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.40	95	317589	43.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.82%	

## Target Compounds

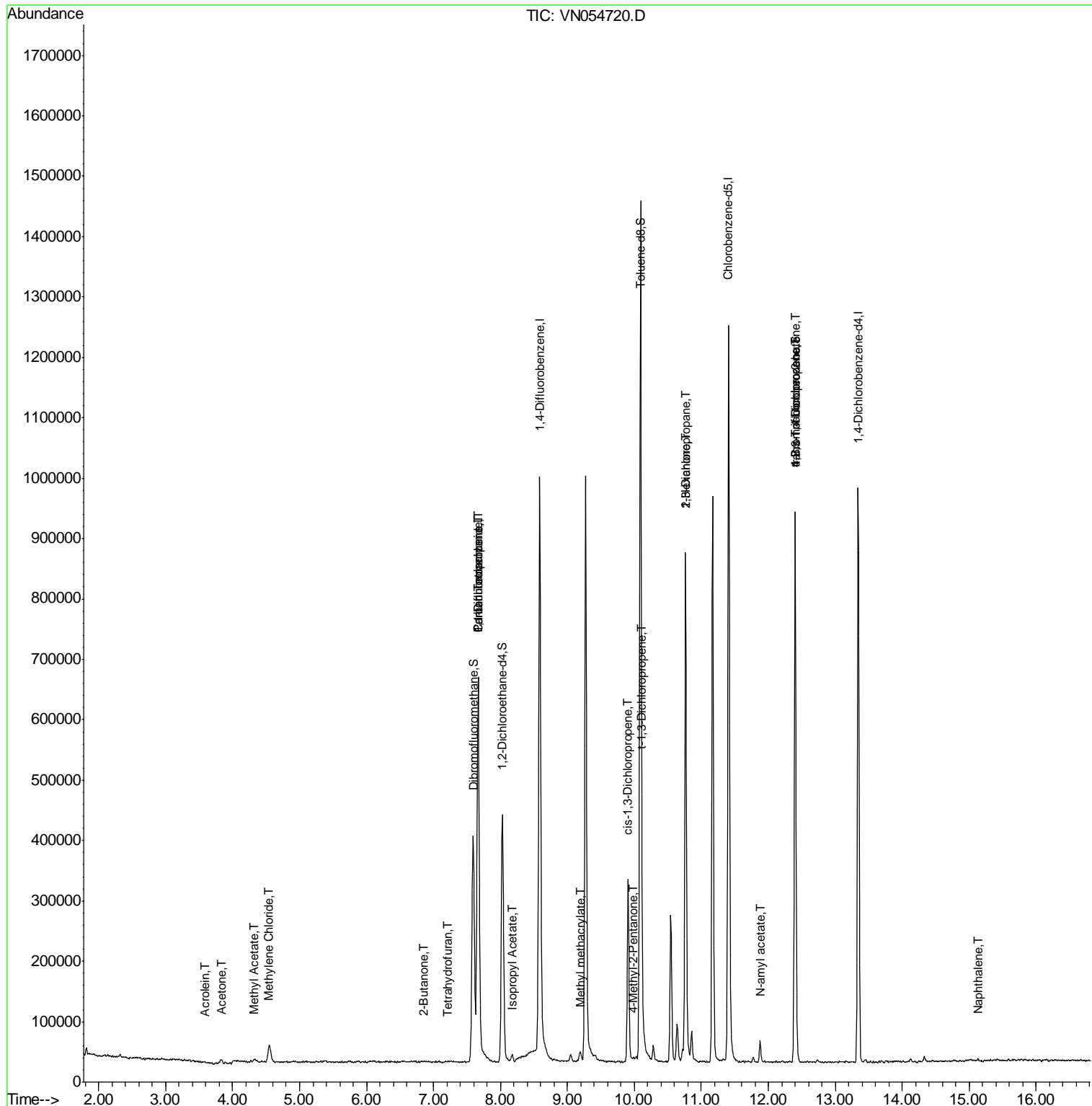
						Qvalue
13) Acrolein	3.59	56	140	0.246	ug/l	87
16) Acetone	3.82	43	11591	5.669	ug/l #	74
18) Methyl Acetate	4.33	43	2335	0.512	ug/l #	55
20) Methylene Chloride	4.55	84	18583	3.083	ug/l #	87
25) 2-Butanone	6.85	43	941	0.359	ug/l	96
29) Tetrahydrofuran	7.23	42	881	0.518	ug/l #	50
31) Cyclohexane	7.67	56	11893	Below Cal	#	35
36) 1,1-Dichloropropene	7.67	75	41361	4.984	ug/l #	46
38) Carbon Tetrachloride	7.67	117	50366	6.245	ug/l #	16
43) Isopropyl Acetate	8.17	43	13764	1.381	ug/l #	94
48) Methyl methacrylate	9.18	41	6687	1.236	ug/l #	11
51) 4-Methyl-2-Pentanone	9.99	43	4806	0.870	ug/l #	86
53) t-1,3-Dichloropropene	10.12	75	111	2.245	ug/l #	42
54) cis-1,3-Dichloropropene	9.90	75	51210	5.661	ug/l #	73
57) 1,3-Dichloropropane	10.76	76	8078	0.886	ug/l #	43
59) 2-Hexanone	10.77	43	142546	39.501	ug/l #	47
74) N-amyl acetate	11.88	43	12408	2.112	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	162124	40.294	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	162124	133.268	ug/l #	11
95) Naphthalene	15.13	128	2159	0.239	ug/l #	71

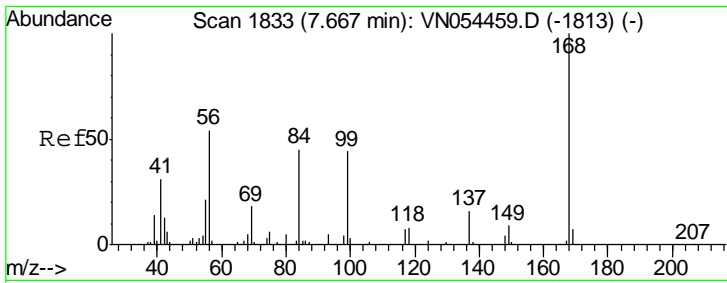
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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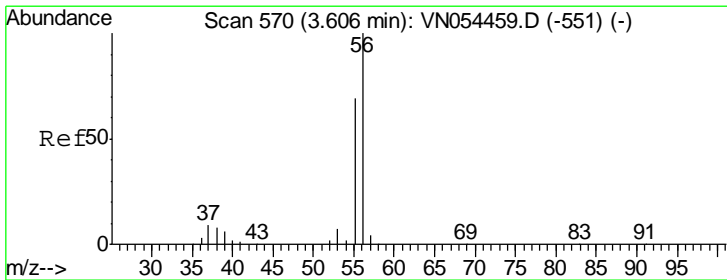
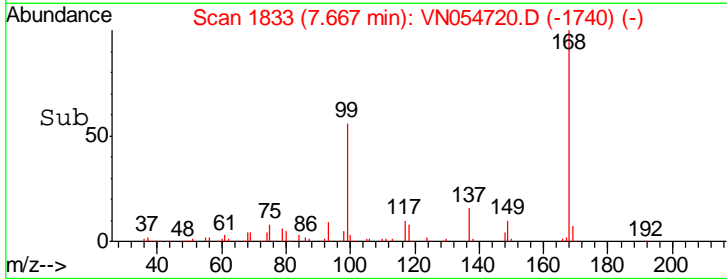
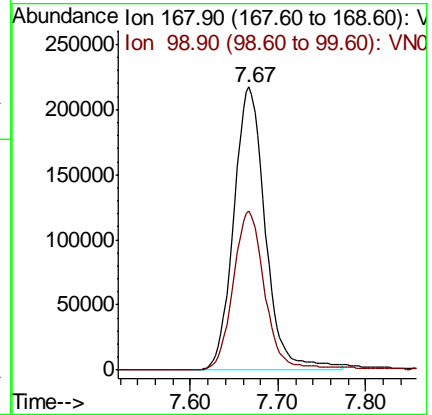
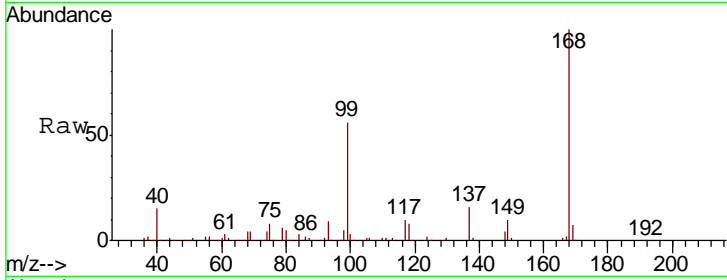




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.00 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

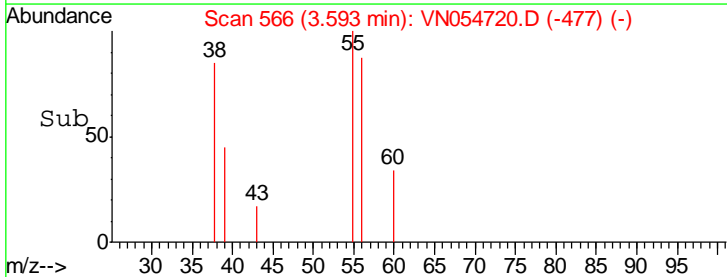
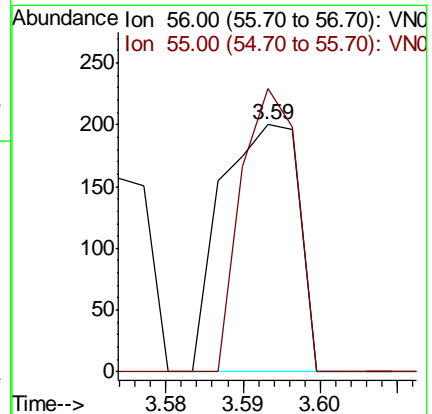
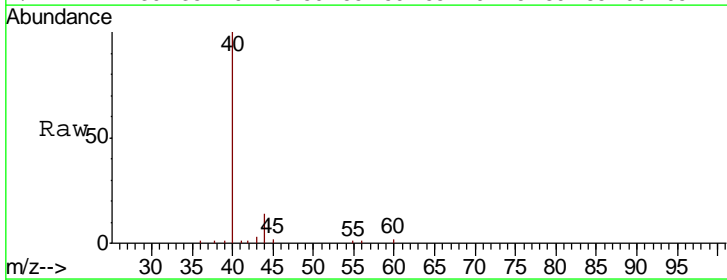
Instrument :  
 MSVOA\_N  
 ClientSampled :

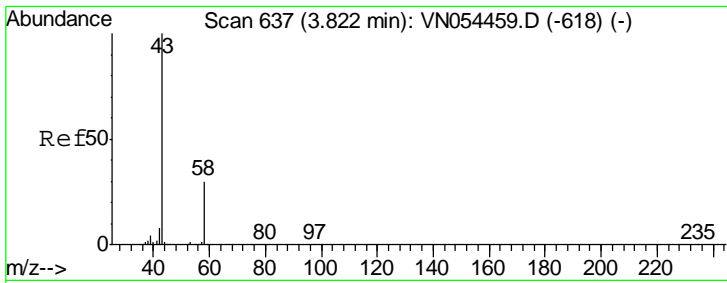
Tgt Ion	Resp	Lower	Upper
168	100		
99	56.1	37.1	55.7#



#13  
 Acrolein  
 Concen: 0.246 ug/l  
 RT: 3.59 min Scan# 566  
 Delta R.T. -0.01 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

Tgt Ion	Resp	Lower	Upper
56	100		
55	81.4	56.7	85.1

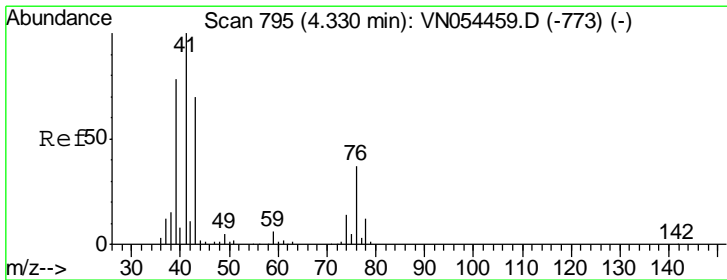
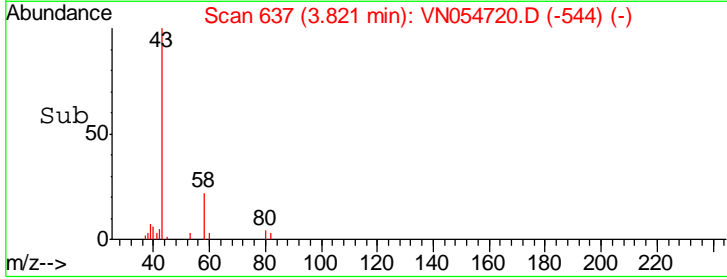
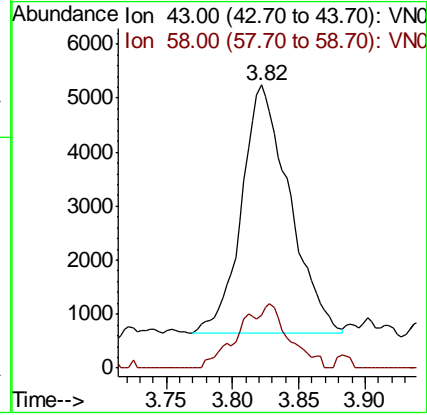
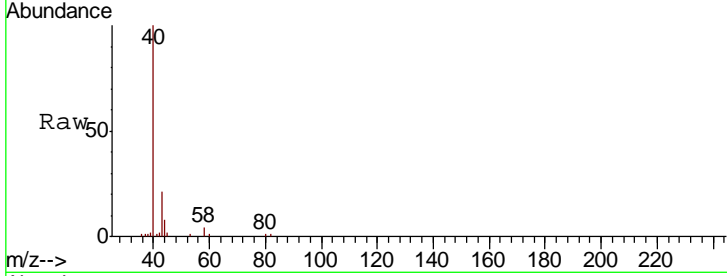




#16  
 Acetone  
 Concen: 5.669 ug/l  
 RT: 3.82 min Scan# 637  
 Delta R.T. -0.00 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

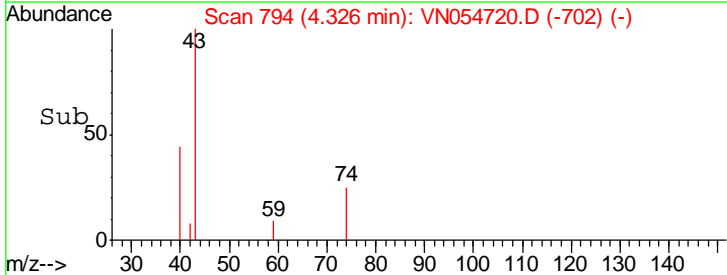
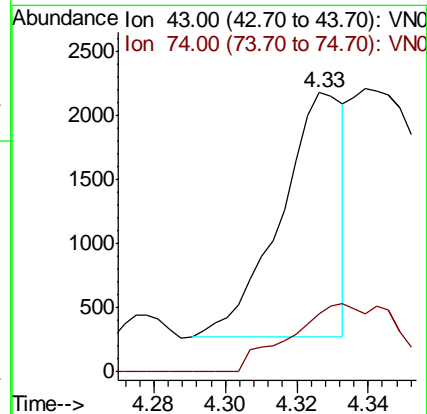
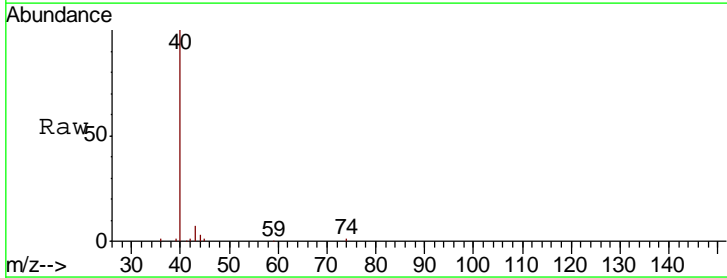
Instrument :  
 MSVOA\_N  
 ClientSampled :

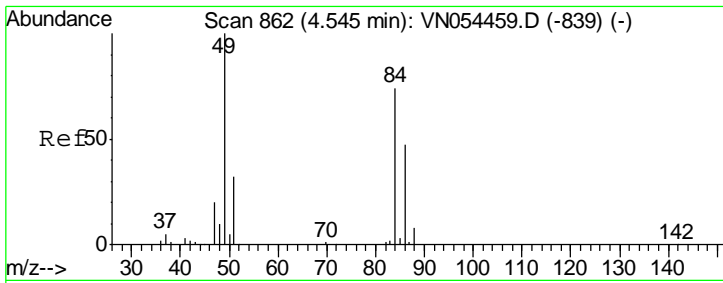
Tgt Ion: 43 Resp: 11591  
 Ion Ratio Lower Upper  
 43 100  
 58 21.5 29.9 44.9#



#18  
 Methyl Acetate  
 Concen: 0.512 ug/l  
 RT: 4.33 min Scan# 794  
 Delta R.T. -0.00 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

Tgt Ion: 43 Resp: 2335  
 Ion Ratio Lower Upper  
 43 100  
 74 49.0 20.8 31.2#

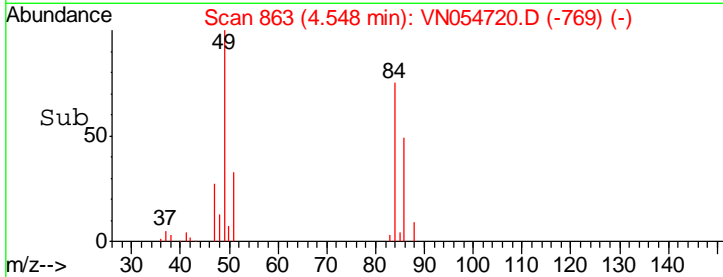
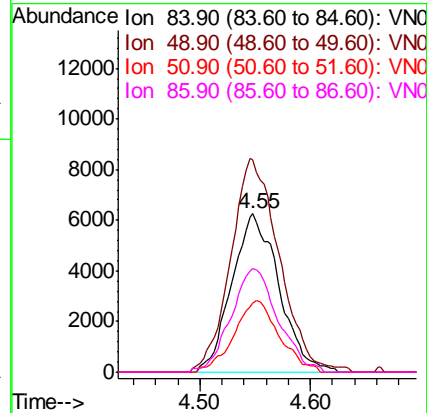
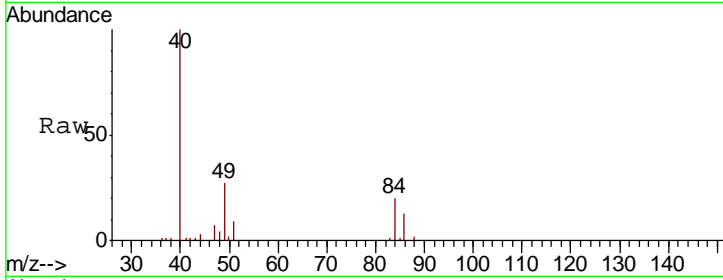




#20  
Methylene Chloride  
Concen: 3.083 ug/l  
RT: 4.55 min Scan# 863  
Delta R.T. 0.00 min  
Lab File: VN054720.D  
Acq: 27 Mar 2019 14:24

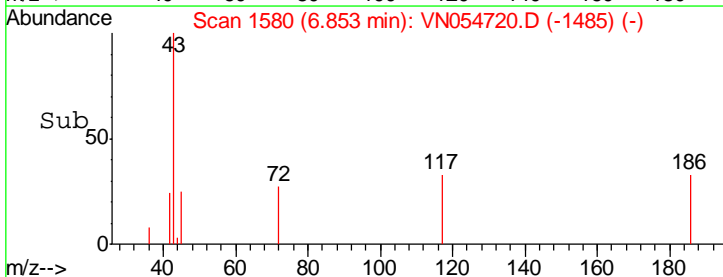
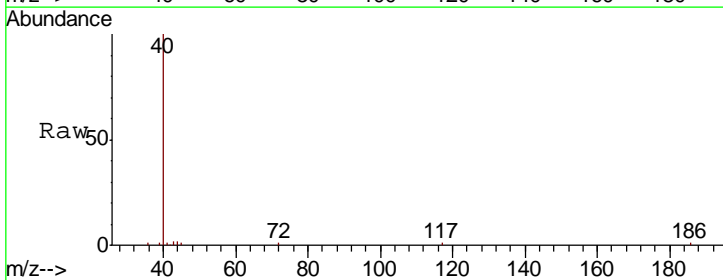
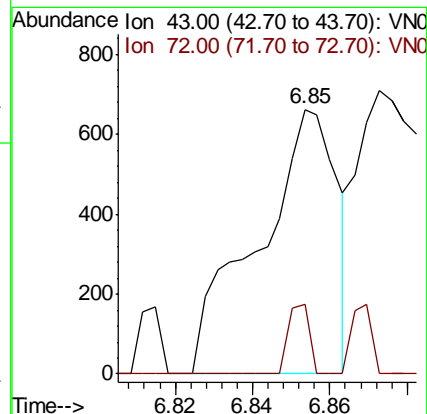
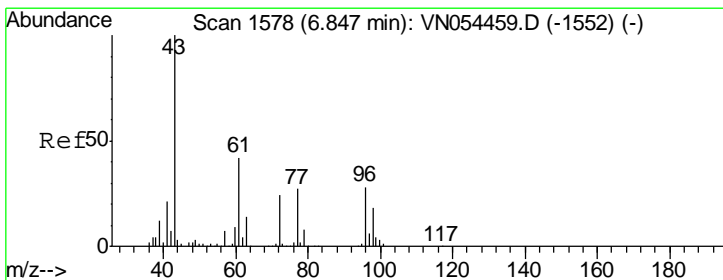
Instrument :  
MSVOA\_N  
ClientSampled :

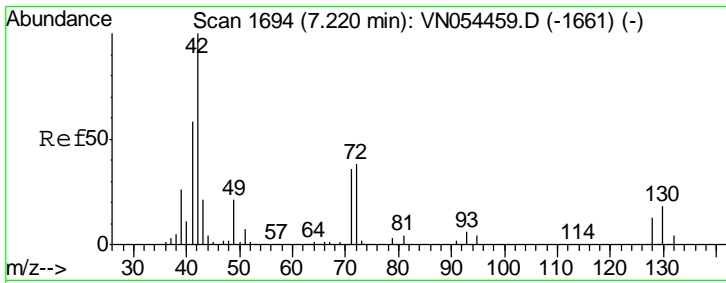
Tgt Ion	Resp	Lower	Upper
84	18583		
49	131.2	89.7	134.5
51	43.6	28.2	42.4#
86	65.6	50.8	76.2



#25  
2-Butanone  
Concen: 0.359 ug/l  
RT: 6.85 min Scan# 1580  
Delta R.T. 0.01 min  
Lab File: VN054720.D  
Acq: 27 Mar 2019 14:24

Tgt Ion	Resp	Lower	Upper
43	941		
72	26.5	23.0	34.6

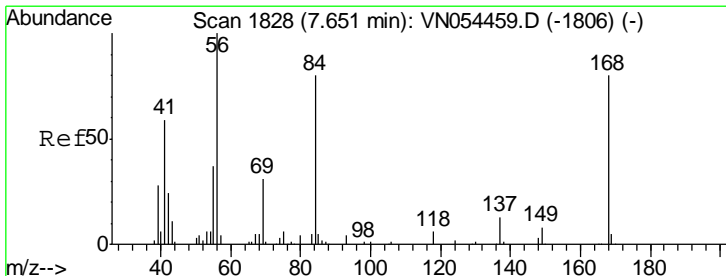
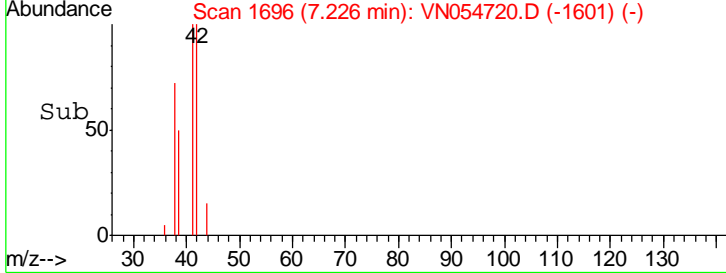
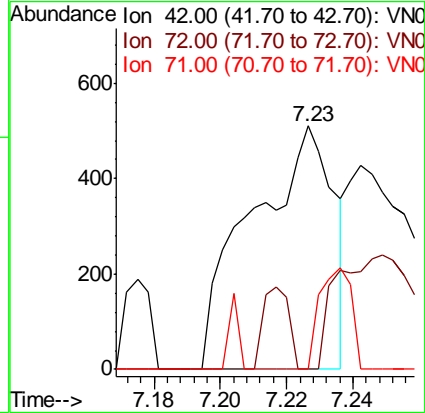
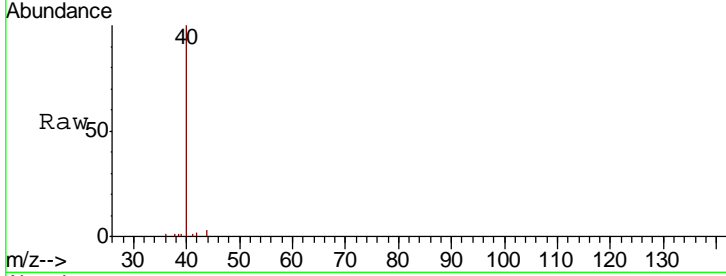




#29  
 Tetrahydrofuran  
 Concen: 0.518 ug/l  
 RT: 7.23 min Scan# 1696  
 Delta R.T. 0.01 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

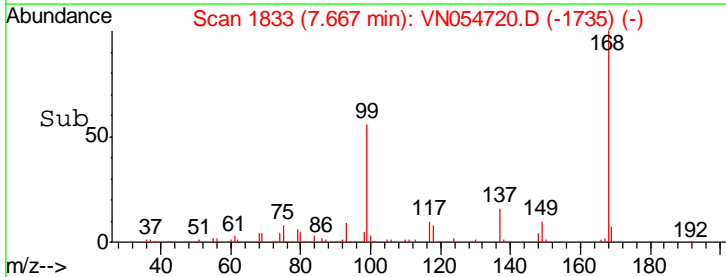
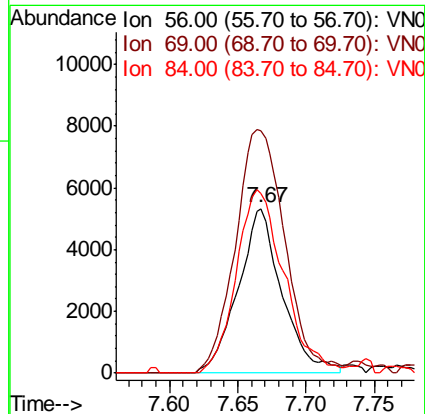
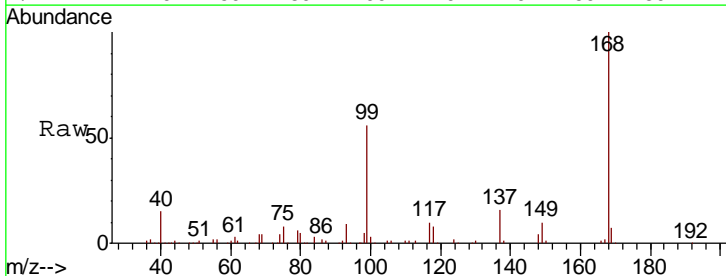
Instrument :  
 MSVOA\_N  
 ClientSampled :

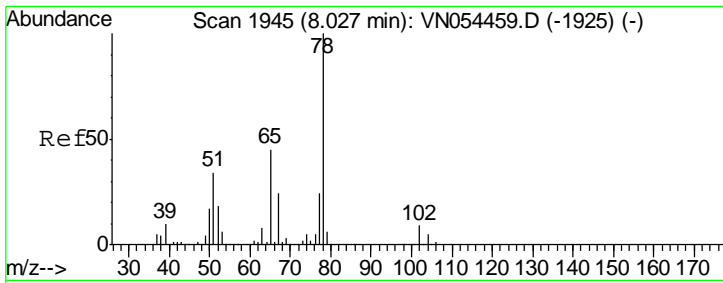
Tgt Ion	Resp	Lower	Upper
42	100		
72	10.6	37.8	56.6#
71	16.2	36.2	54.2#



#31  
 Cyclohexane  
 Concen: Below Cal  
 RT: 7.67 min Scan# 1833  
 Delta R.T. 0.02 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

Tgt Ion	Resp	Lower	Upper
56	100		
69	147.5	27.8	41.6#
84	109.5	74.6	111.8

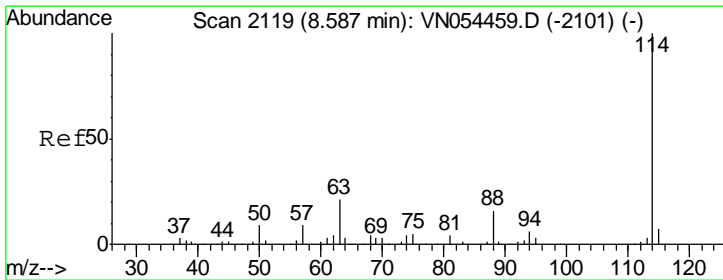
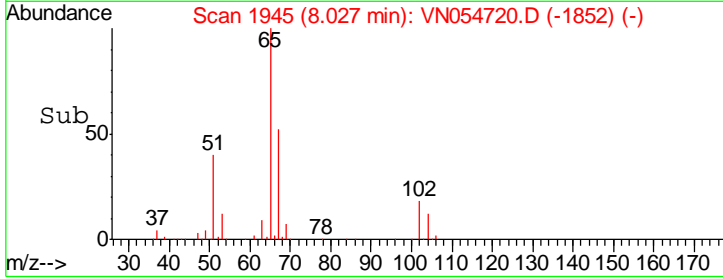
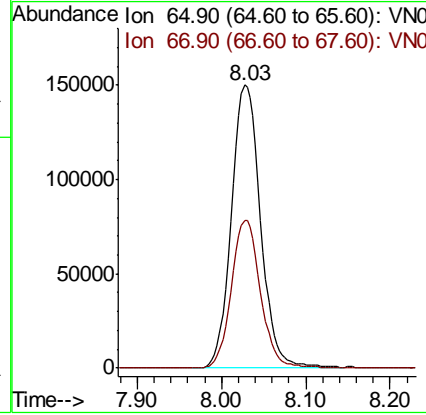
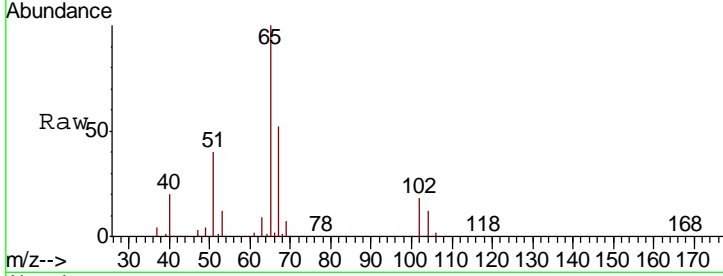




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.170 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

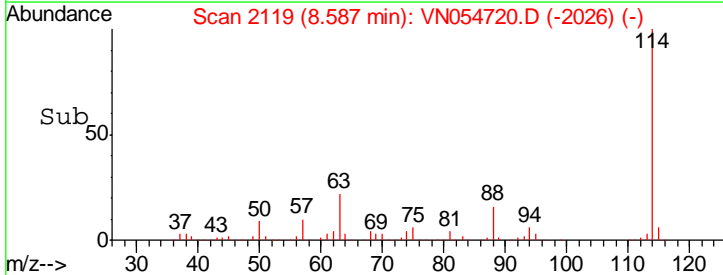
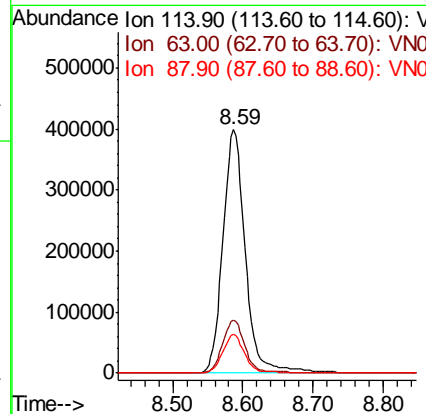
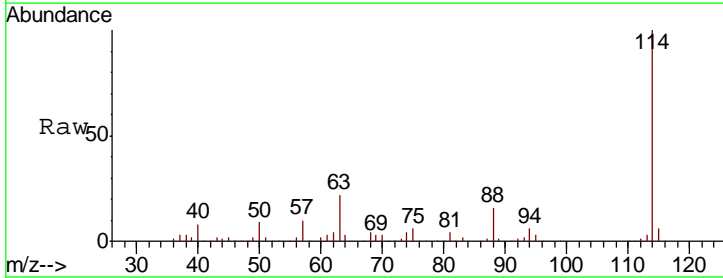
Instrument :  
 MSVOA\_N  
 ClientSampled :

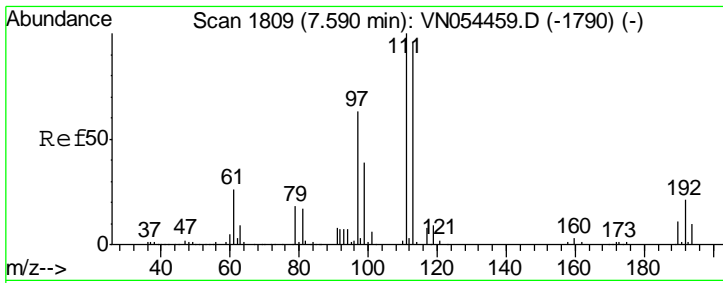
Tgt Ion	Resp	Lower	Upper
65	100		
67	52.3	0.0	104.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

Tgt Ion	Resp	Lower	Upper
114	100		
63	21.9	0.0	35.2
88	15.8	0.0	30.2

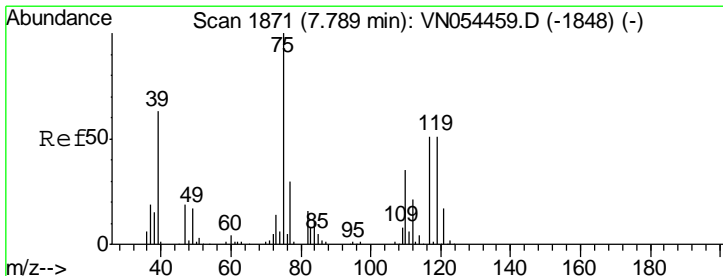
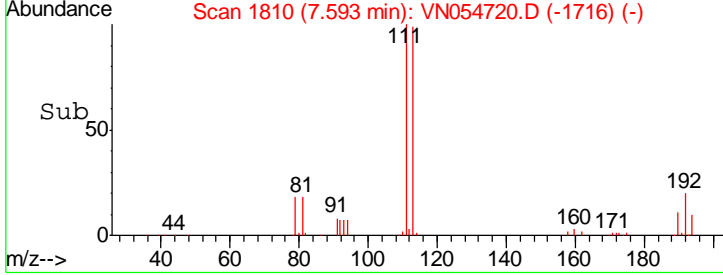
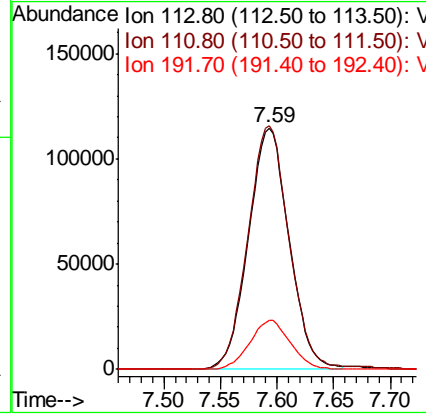
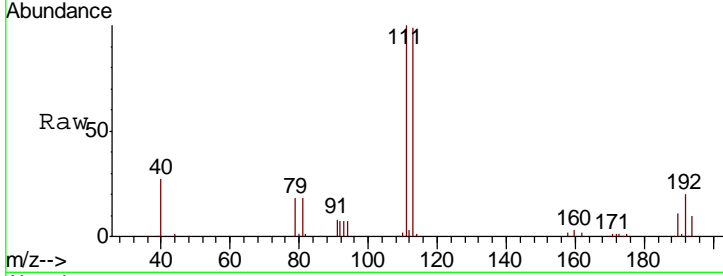




#35  
 Dibromofluoromethane  
 Concen: 50.121 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

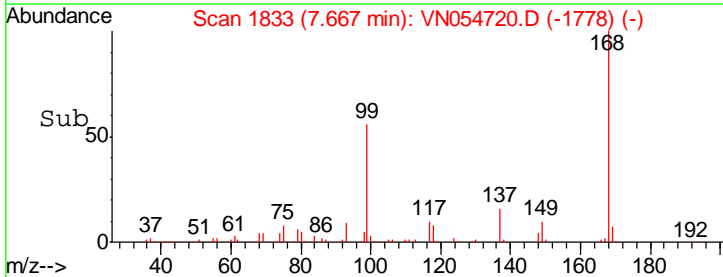
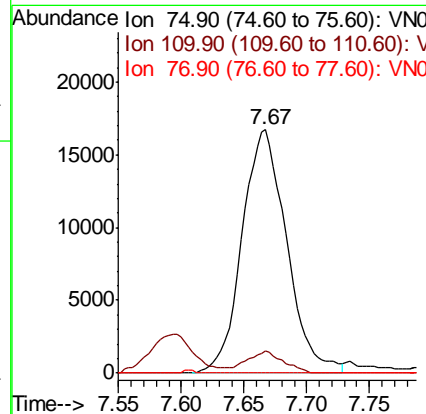
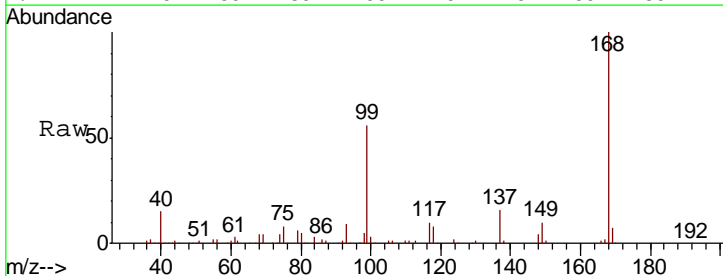
Instrument :  
 MSVOA\_N  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
113	100		
111	102.0	82.2	123.4
192	20.3	19.2	28.8

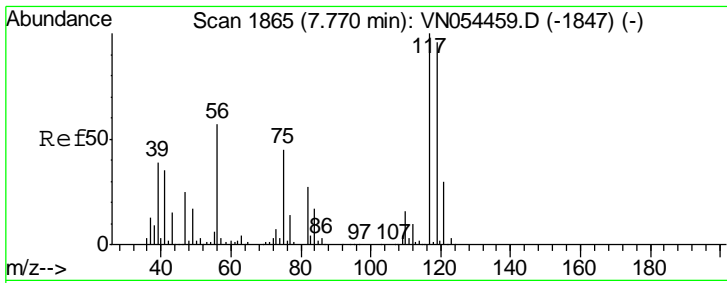


#36  
 1,1-Dichloropropene  
 Concen: 4.984 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.12 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

Tgt Ion	Resp	Lower	Upper
75	100		
110	7.4	19.1	57.5#
77	0.0	25.0	37.4#



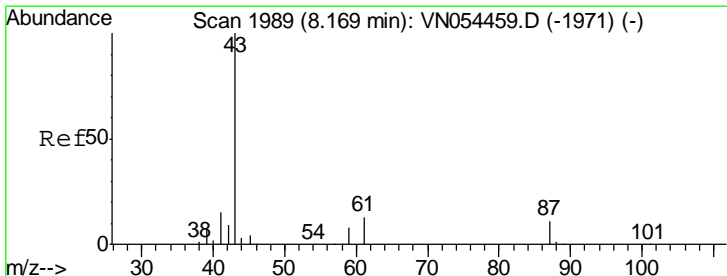
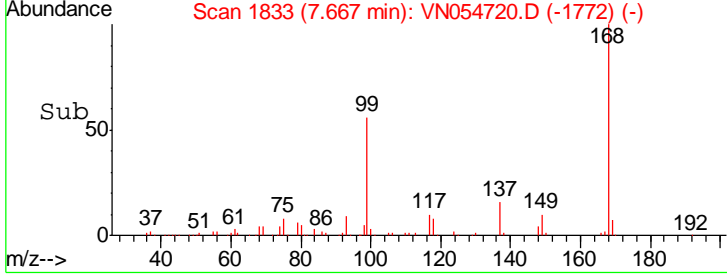
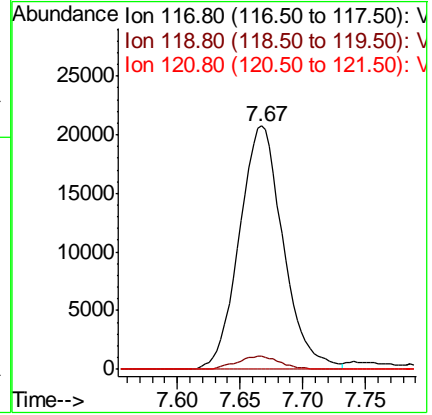
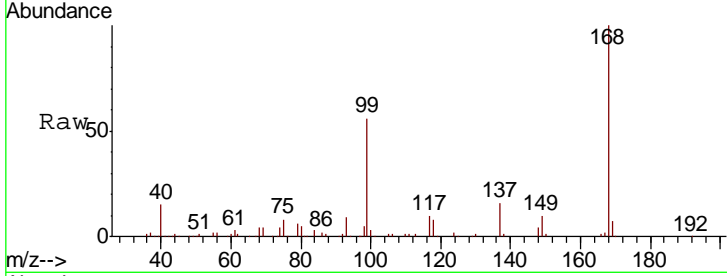




#38  
 Carbon Tetrachloride  
 Concen: 6.245 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.10 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

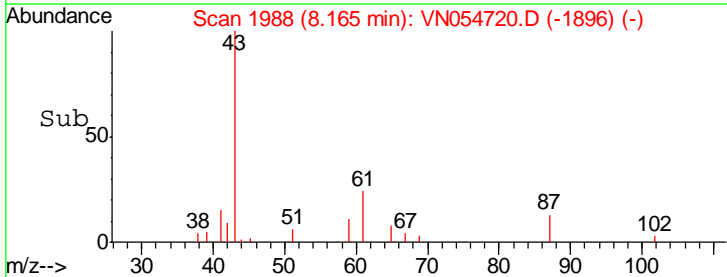
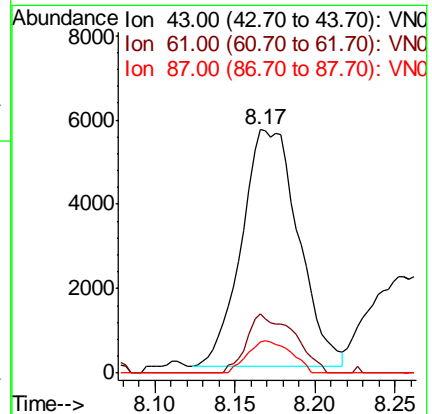
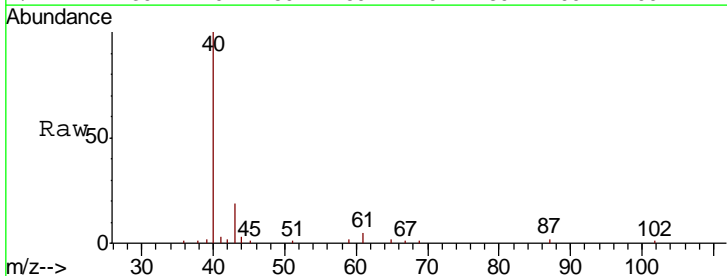
Instrument :  
 MSVOA\_N  
 ClientSampled :

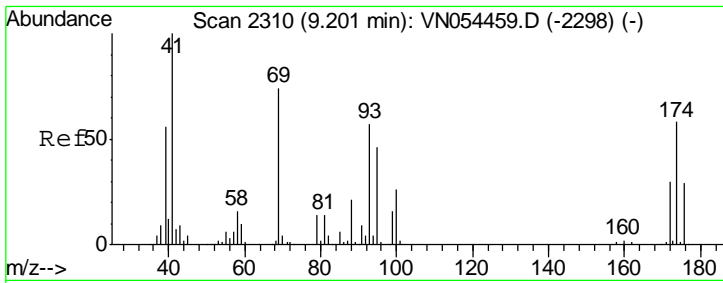
Tgt Ion	Resp	Lower	Upper
117	100		
119	5.2	76.3	114.5#
121	0.0	24.6	36.8#



#43  
 Isopropyl Acetate  
 Concen: 1.381 ug/l  
 RT: 8.17 min Scan# 1988  
 Delta R.T. -0.00 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

Tgt Ion	Resp	Lower	Upper
43	100		
61	20.8	15.8	23.8
87	10.3	12.0	18.0#

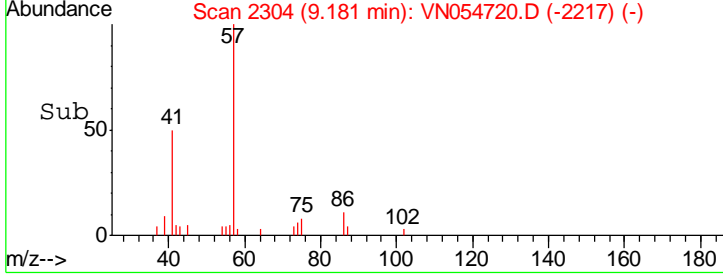
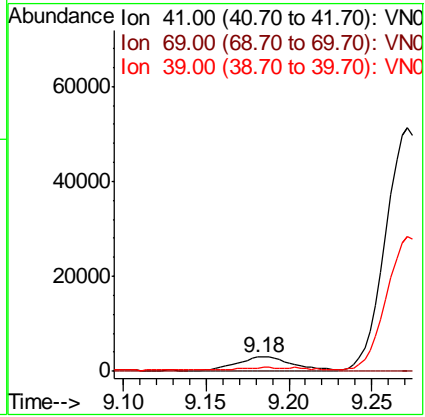
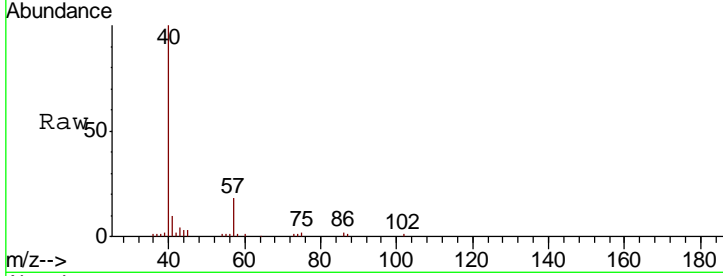




#48  
 Methyl methacrylate  
 Concen: 1.236 ug/l  
 RT: 9.18 min Scan# 2304  
 Delta R.T. -0.02 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

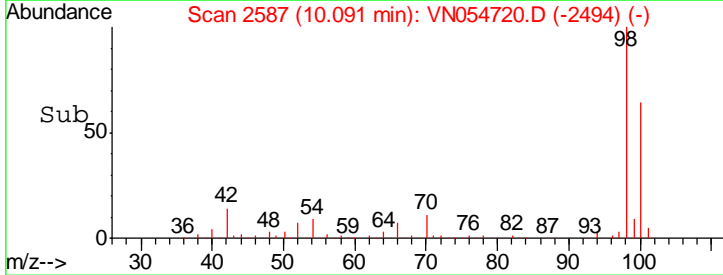
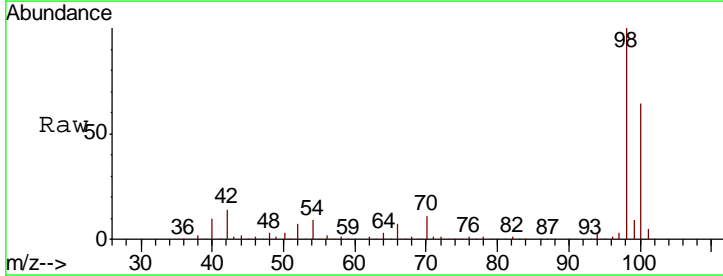
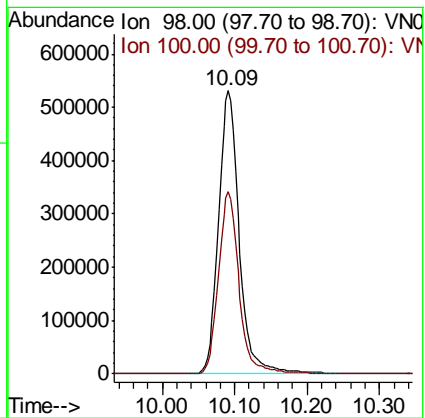
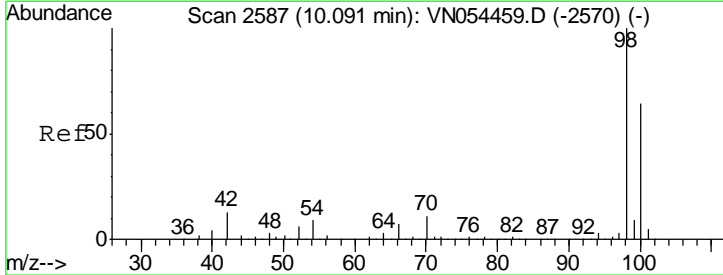
Instrument :  
 MSVOA\_N  
 ClientSampled :

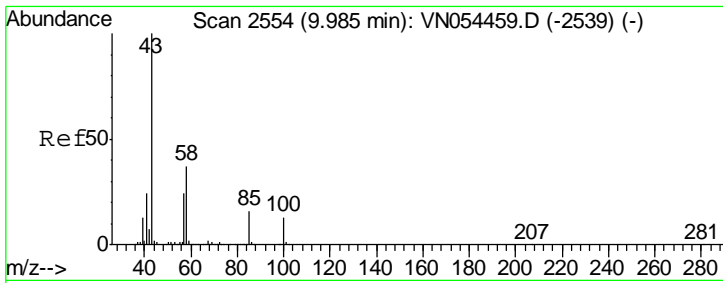
Tgt Ion	Resp	Lower	Upper
41	100		
69	0.0	72.6	108.8#
39	0.0	47.5	71.3#



#50  
 Toluene-d8  
 Concen: 48.786 ug/l  
 RT: 10.09 min Scan# 2587  
 Delta R.T. -0.00 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

Tgt Ion	Resp	Lower	Upper
98	100		
100	64.3	51.2	76.8

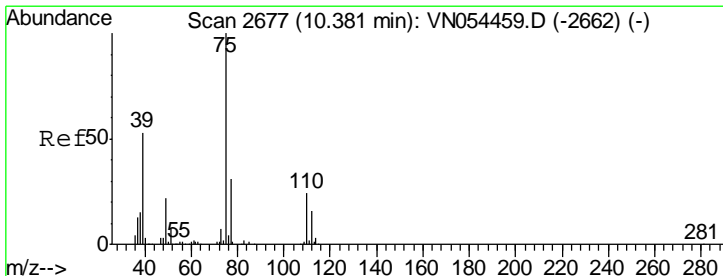
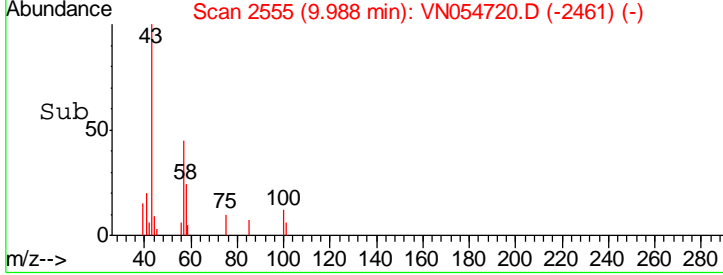
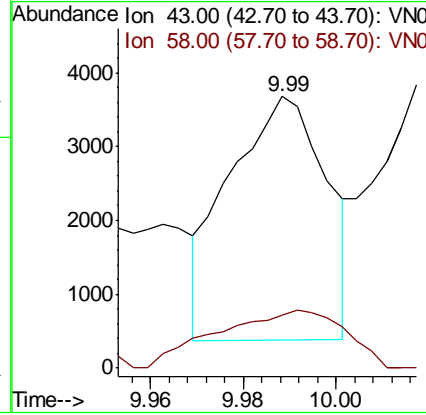
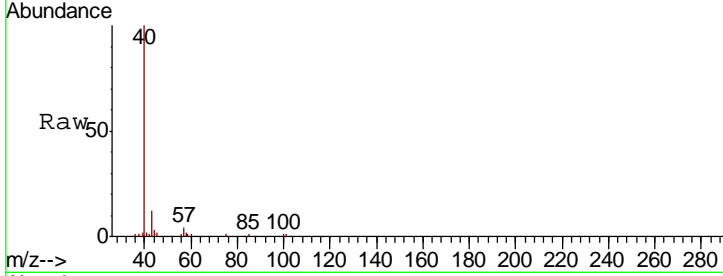




#51  
 4-Methyl-2-Pentanone  
 Concen: 0.870 ug/l  
 RT: 9.99 min Scan# 2555  
 Delta R.T. 0.00 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

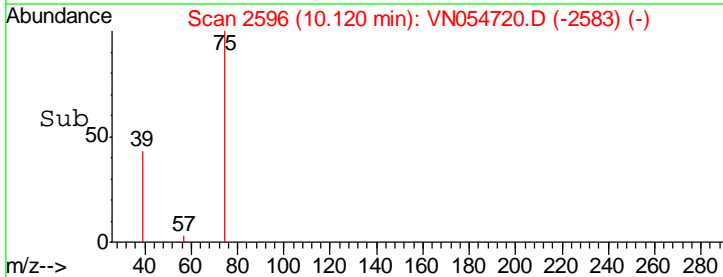
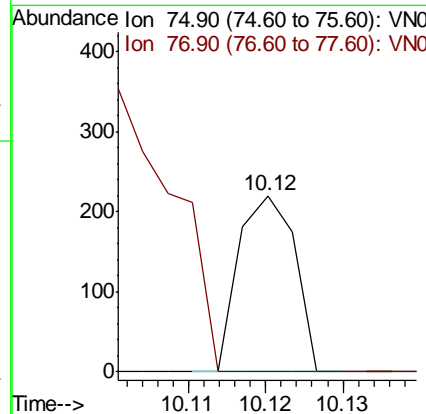
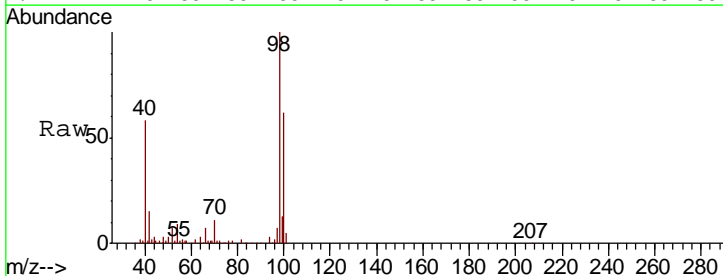
Instrument :  
 MSVOA\_N  
 ClientSampled :

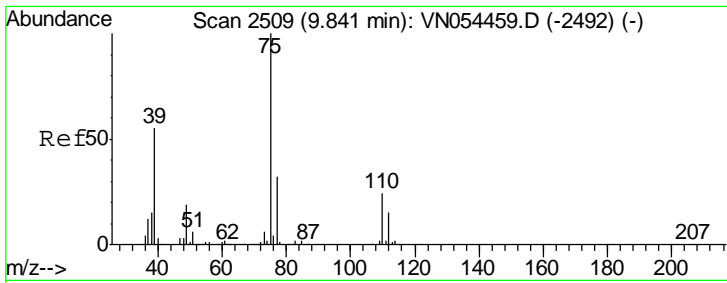
Tgt Ion	Resp	Lower	Upper
43	100		
58	31.2	31.8	47.6#



#53  
 t-1,3-Dichloropropene  
 Concen: 2.245 ug/l  
 RT: 10.12 min Scan# 2596  
 Delta R.T. -0.26 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

Tgt Ion	Resp	Lower	Upper
75	100		
77	0.0	25.8	38.8#

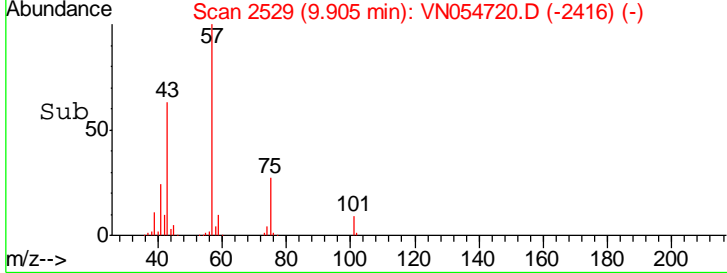
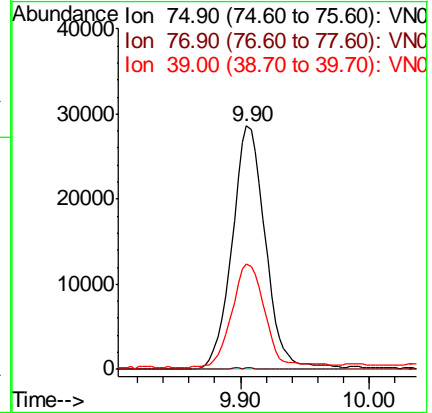
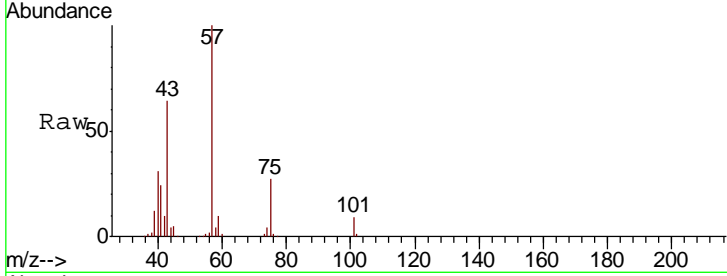




#54  
 cis-1,3-Dichloropropene  
 Concen: 5.661 ug/l  
 RT: 9.90 min Scan# 2529  
 Delta R.T. 0.06 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

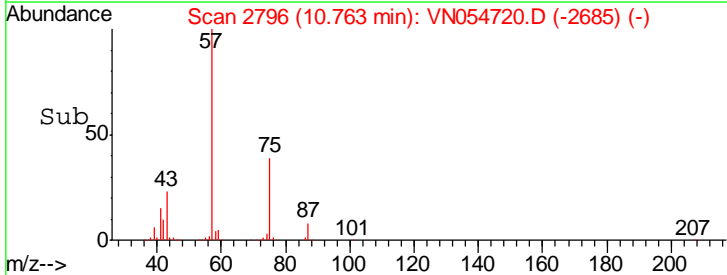
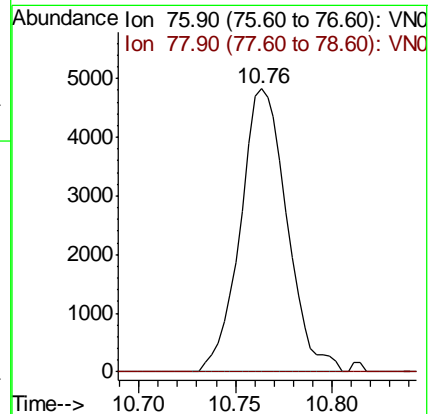
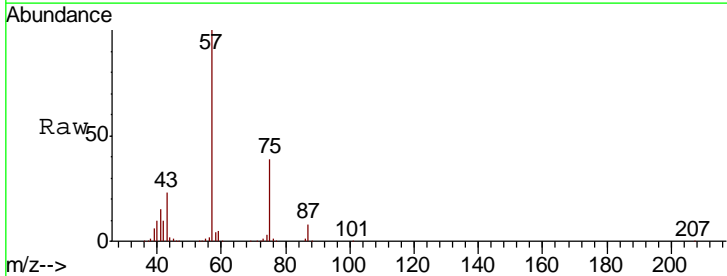
Instrument :  
 MSVOA\_N  
 ClientSampled :

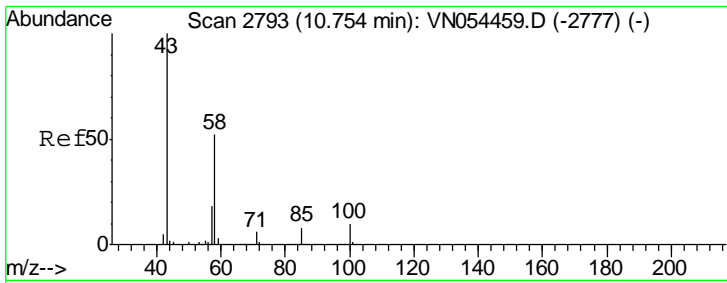
Tgt Ion	Resp	Lower	Upper
75	51210		
77	0.5	25.4	38.0#
39	42.2	37.2	55.8



#57  
 1,3-Dichloropropane  
 Concen: 0.886 ug/l  
 RT: 10.76 min Scan# 2796  
 Delta R.T. 0.06 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

Tgt Ion	Resp	Lower	Upper
76	8078		
78	0.0	25.7	38.5#

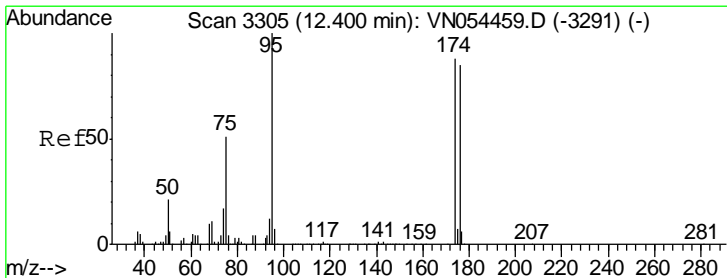
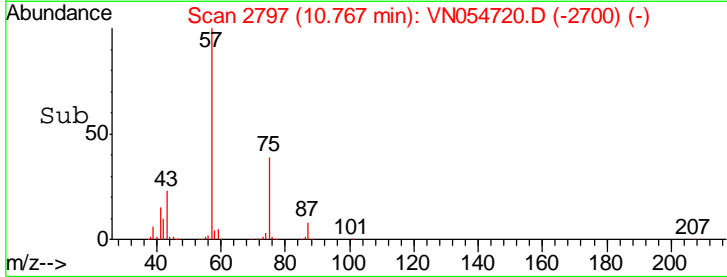
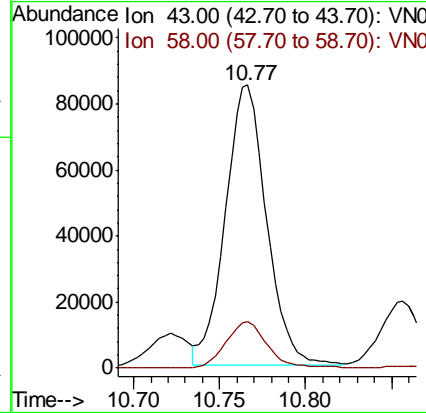
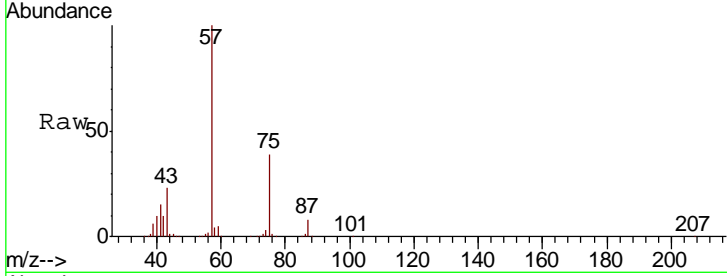




#59  
 2-Hexanone  
 Concen: 39.501 ug/l  
 RT: 10.77 min Scan# 2797  
 Delta R.T. 0.01 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

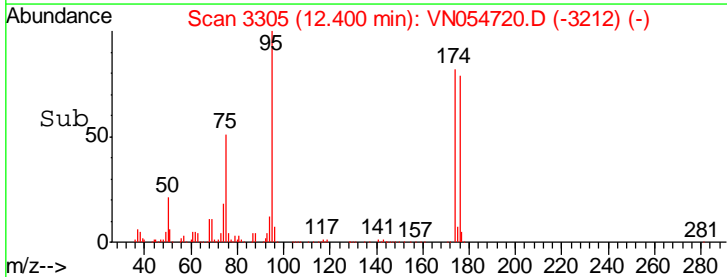
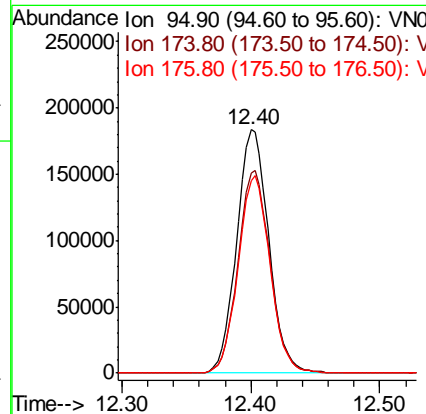
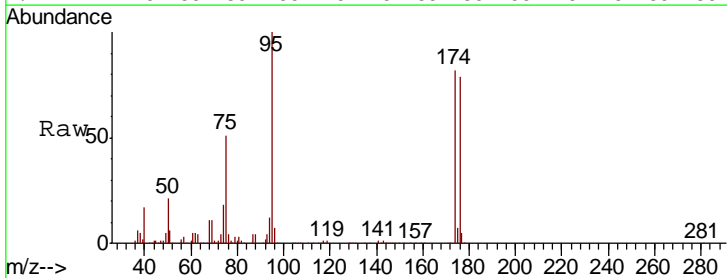
Instrument :  
 MSVOA\_N  
 ClientSampled :

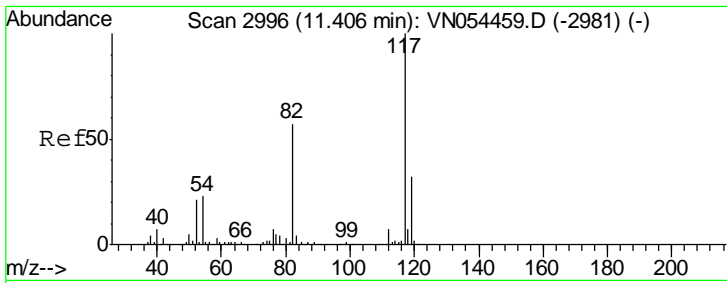
Tgt Ion	Resp	Lower	Upper
43	100		
58	17.0	28.0	83.9#



#62  
 4-Bromofluorobenzene  
 Concen: 43.415 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. -0.00 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

Tgt Ion	Resp	Lower	Upper
95	100		
174	83.3	0.0	191.0
176	80.6	0.0	187.4

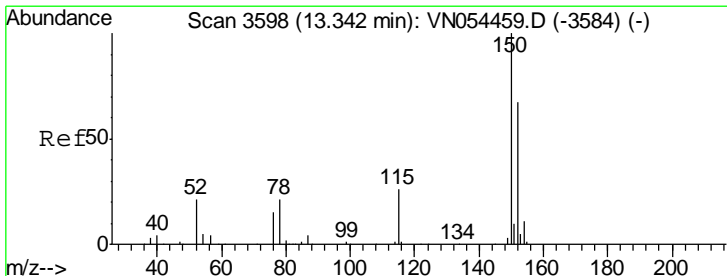
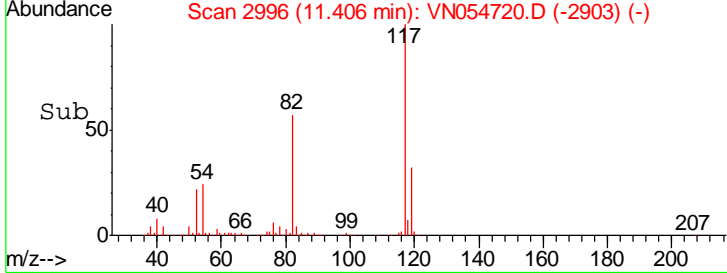
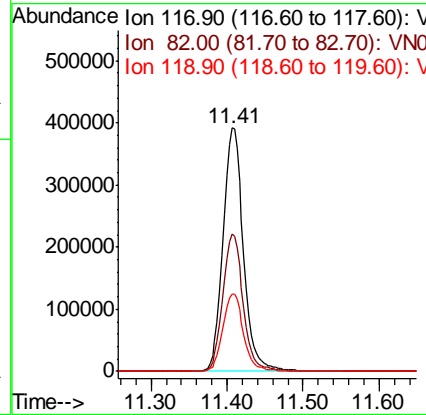
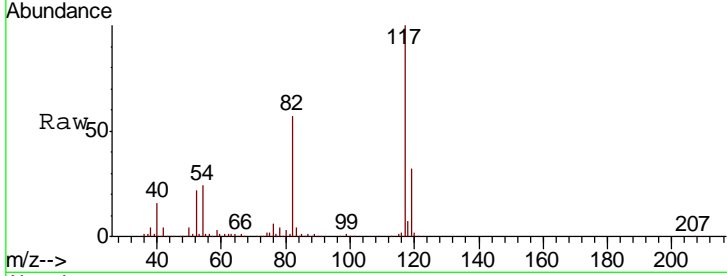




#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.41 min Scan# 2996  
 Delta R.T. -0.00 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

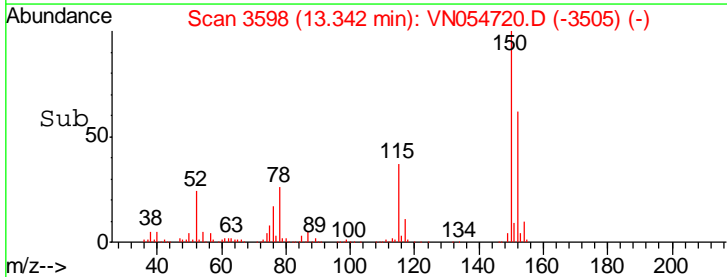
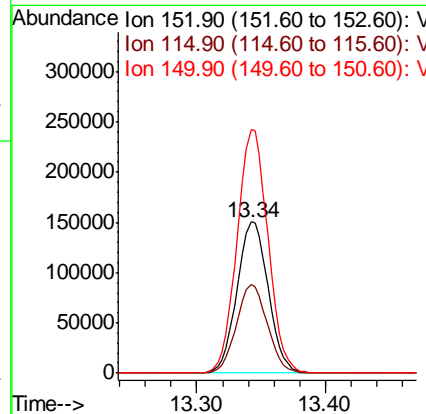
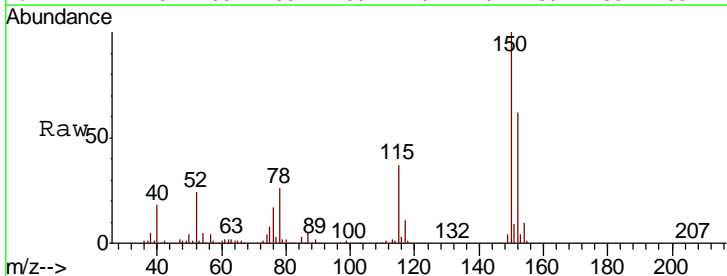
Instrument :  
 MSVOA\_N  
 ClientSampled :

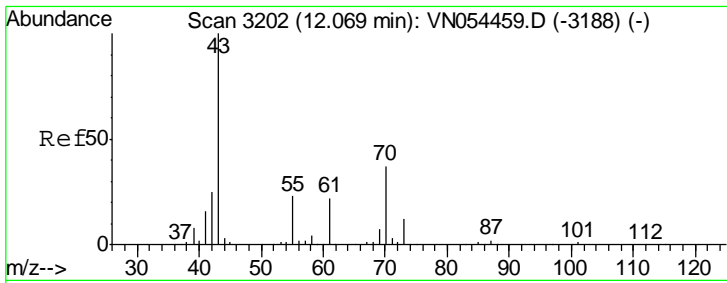
Tgt Ion	Resp	Lower	Upper
117	100		
82	56.5	40.0	60.0
119	32.0	25.8	38.6



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.34 min Scan# 3598  
 Delta R.T. -0.00 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

Tgt Ion	Resp	Lower	Upper
152	100		
115	57.9	27.2	81.6
150	158.9	0.0	349.2

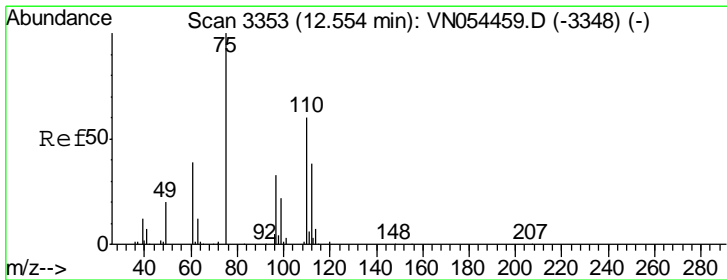
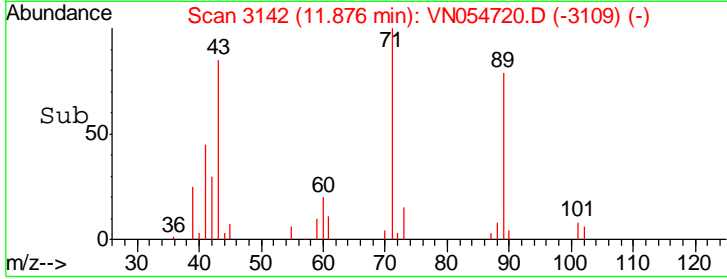
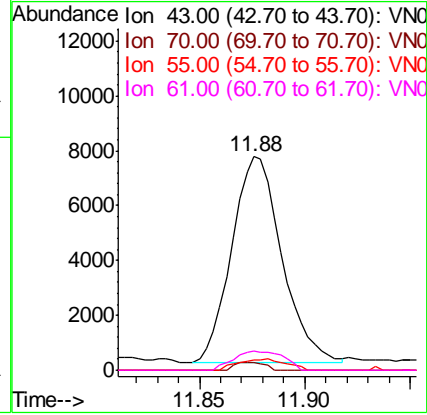
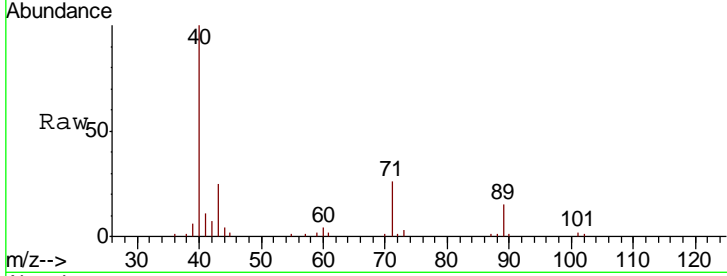




#74  
 N-amyl acetate  
 Concen: 2.112 ug/l  
 RT: 11.88 min Scan# 3142  
 Delta R.T. -0.19 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

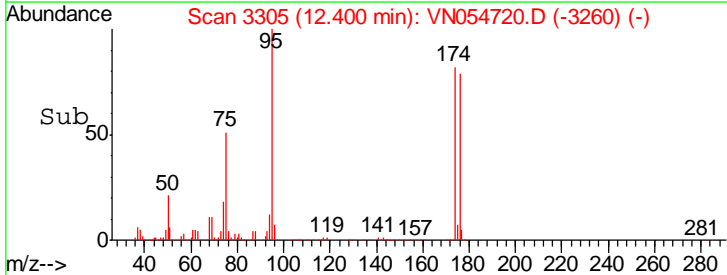
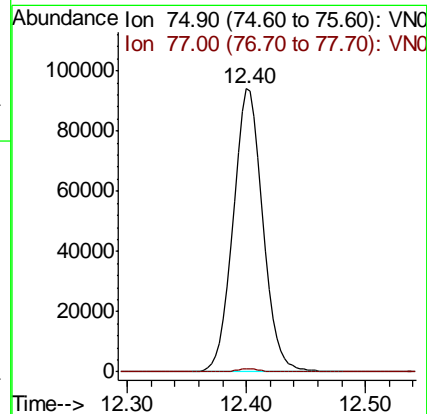
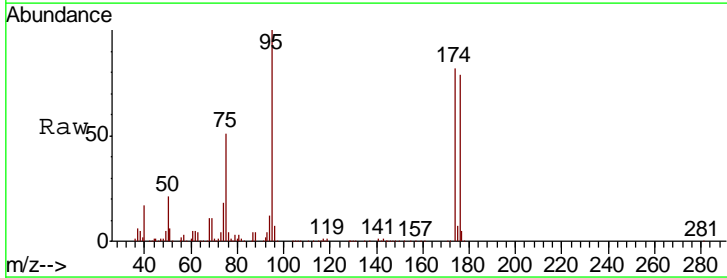
Instrument : MSVOA\_N  
 ClientSampled :

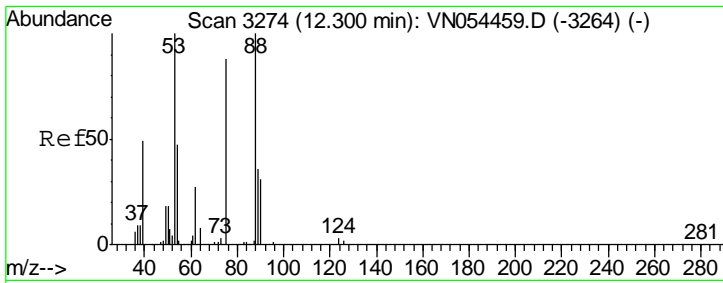
Tgt Ion	Resp	Lower	Upper
43	12408		
70	2.2	35.4	53.0#
55	5.3	19.8	29.6#
61	9.2	19.8	29.6#



#76  
 1,2,3-Trichloropropane  
 Concen: 40.294 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. -0.15 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

Tgt Ion	Resp	Lower	Upper
75	162124		
77	1.0	0.0	0.0#

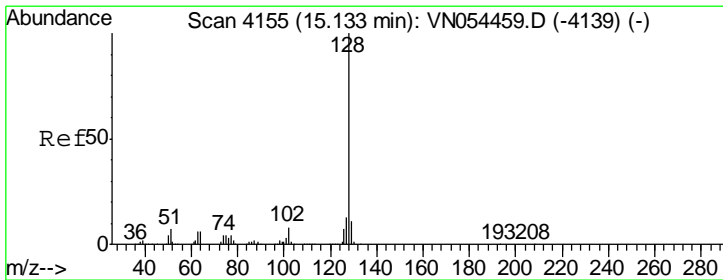
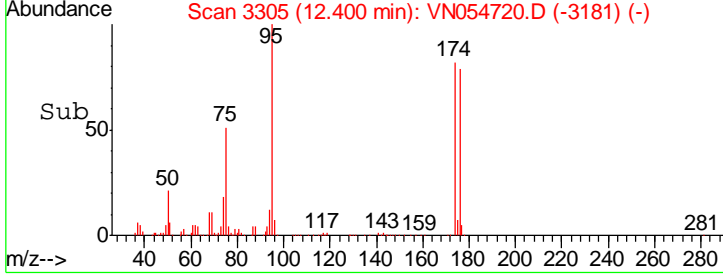
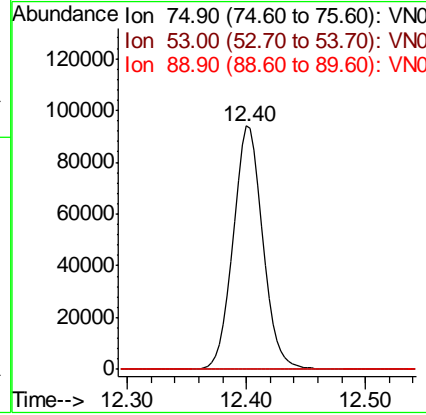
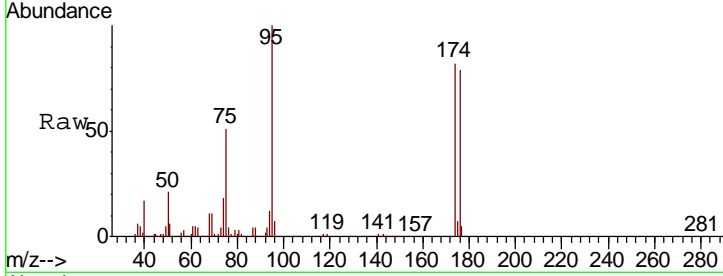




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 133.268 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.10 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

Instrument :  
 MSVOA\_N  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.0	76.2	114.2#
89	0.0	39.2	58.8#



#95  
 Naphthalene  
 Concen: 0.239 ug/l  
 RT: 15.13 min Scan# 4155  
 Delta R.T. -0.00 min  
 Lab File: VN054720.D  
 Acq: 27 Mar 2019 14:24

Tgt Ion	Resp	Lower	Upper
128	100		
127	1.4	10.1	15.1#
129	0.0	8.7	13.1#

