

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032020\
 Data File : VN060659.D
 Acq On : 20 Mar 2020 17:41
 Operator : JC/MD
 Sample : L1762-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :

Quant Time: Mar 20 23:26:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	198917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	328182	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	309930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142243	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	129348	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
35) Dibromofluoromethane	7.57	113	98168	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
50) Toluene-d8	10.08	98	410277	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.40	95	152156	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds

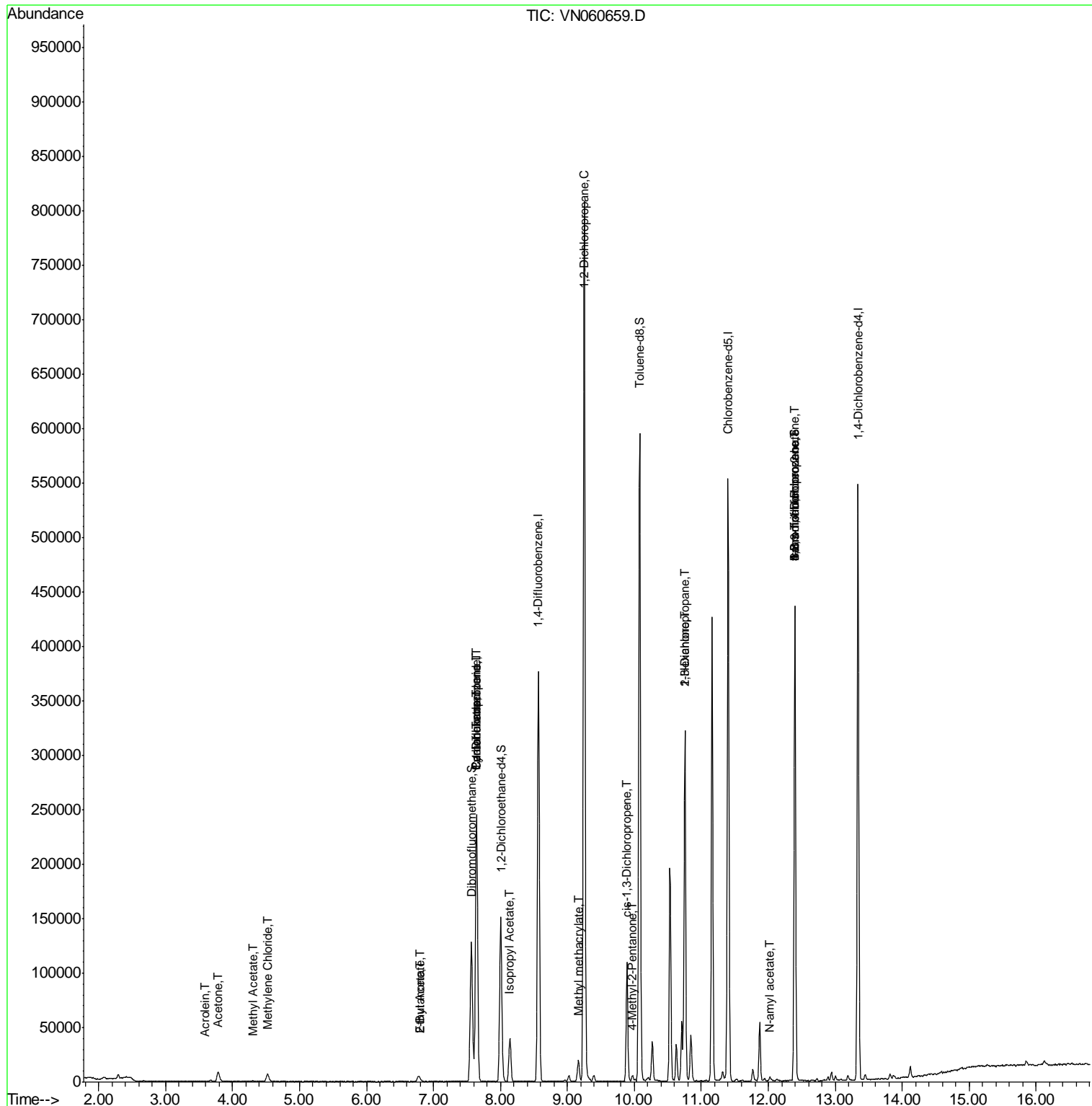
						Qvalue
13) Acrolein	3.58	56	281	0.631	ug/l #	59
16) Acetone	3.79	43	16108	16.653	ug/l	100
18) Methyl Acetate	4.30	43	1711	0.628	ug/l #	54
20) Methylene Chloride	4.52	84	5196	2.184	ug/l	97
25) 2-Butanone	6.81	43	2194	1.402	ug/l	91
31) Cyclohexane	7.64	56	4253	0.967	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15035	4.731	ug/l #	50
37) Ethyl Acetate	6.81	43	2194	0.639	ug/l #	70
38) Carbon Tetrachloride	7.64	117	19399	6.811	ug/l #	16
43) Isopropyl Acetate	8.14	43	47466	8.382	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1019	0.403	ug/l #	43
48) Methyl methacrylate	9.16	41	3651	1.448	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4157	1.290	ug/l	88
54) cis-1,3-Dichloropropene	9.89	75	19005	4.743	ug/l #	64
57) 1,3-Dichloropropane	10.76	76	3153	0.815	ug/l #	42
59) 2-Hexanone	10.75	43	48920	21.075	ug/l #	52
71) Bromoform	12.39	173	177	1.773	ug/l #	29
74) N-amyl acetate	12.02	43	3195	0.648	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	77426	25.226	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	77426	64.788	ug/l #	13

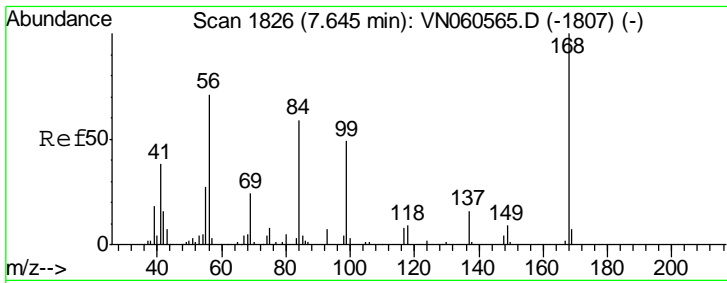
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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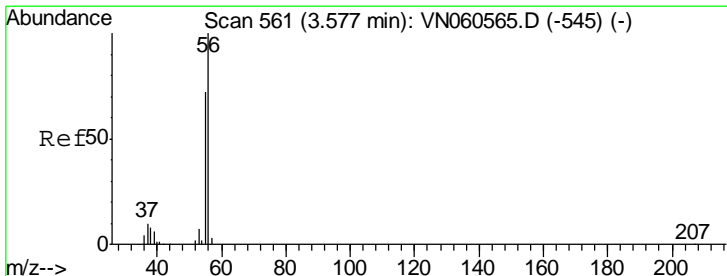
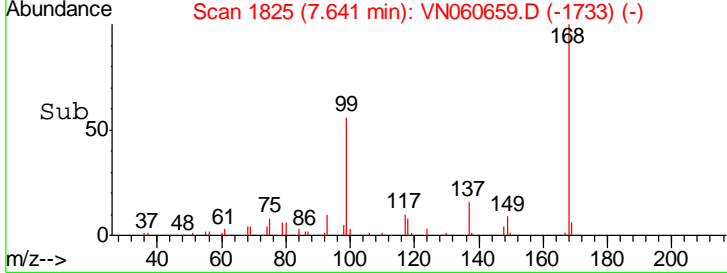
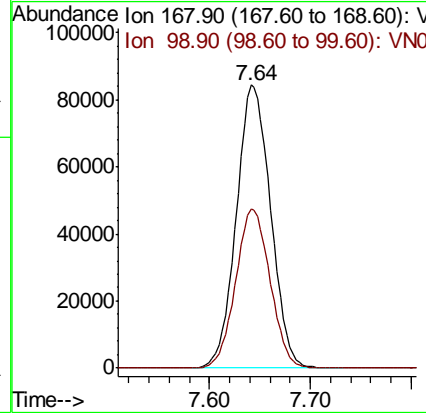
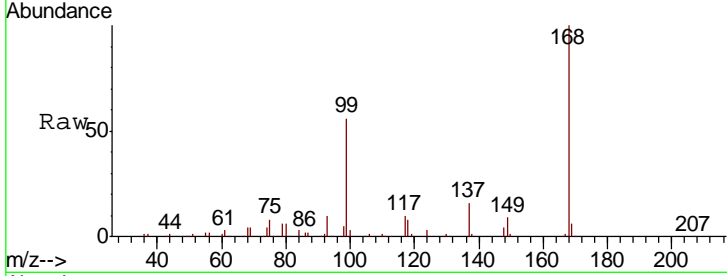




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

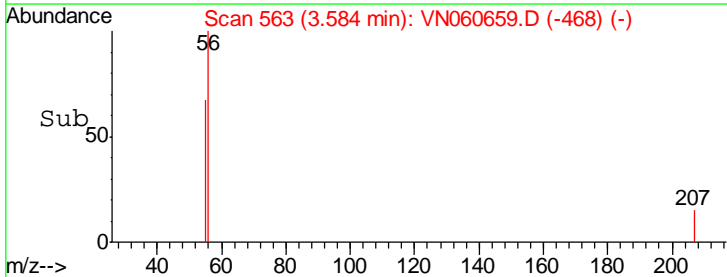
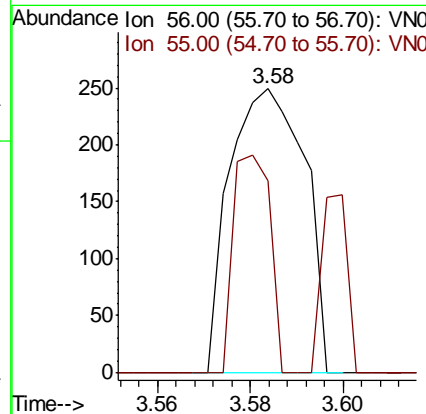
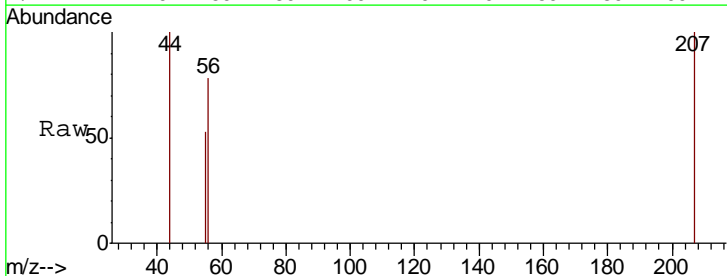
Instrument :
 MSVOA_N
 ClientSampled :

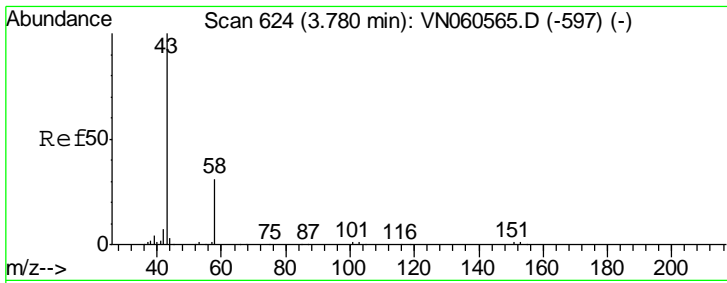
Tgt Ion	Resp	Lower	Upper
168	198917		
99	56.2	44.0	66.0



#13
 Acrolein
 Concen: 0.631 ug/l
 RT: 3.58 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

Tgt Ion	Resp	Lower	Upper
56	281		
55	37.4	56.7	85.1#

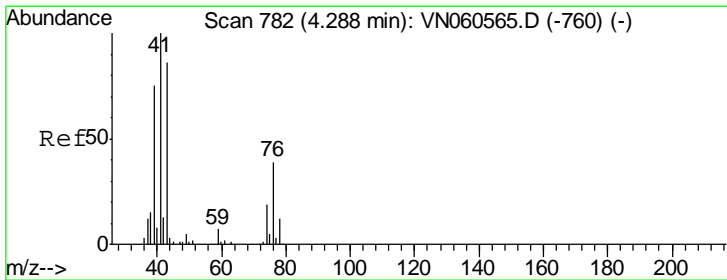
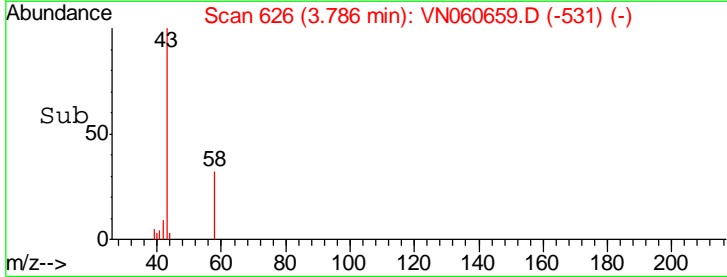
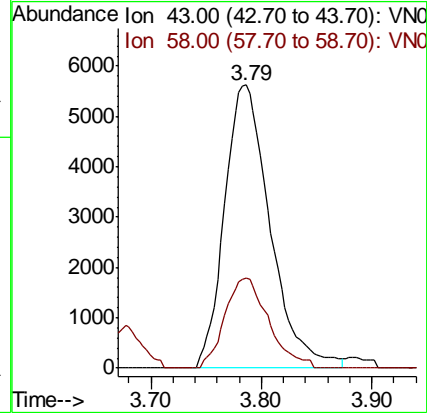
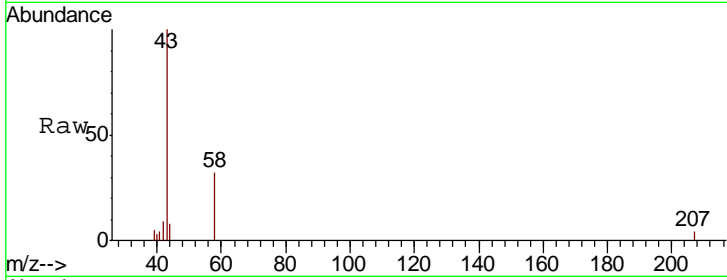




#16
 Acetone
 Concen: 16.653 ug/l
 RT: 3.79 min Scan# 626
 Delta R.T. 0.01 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

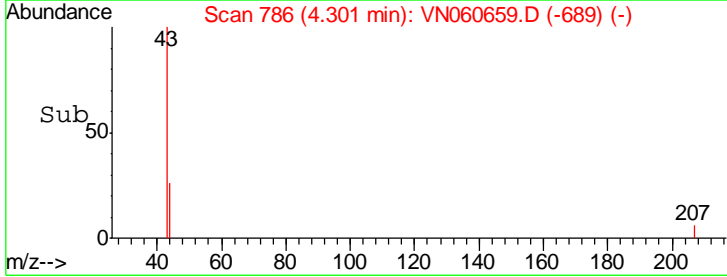
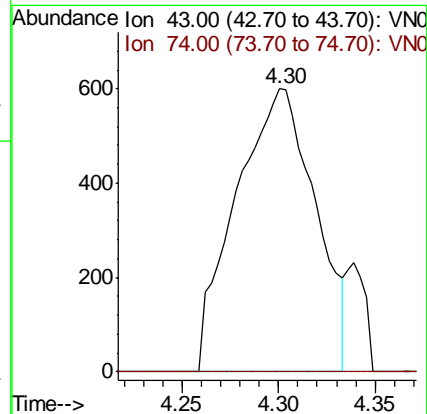
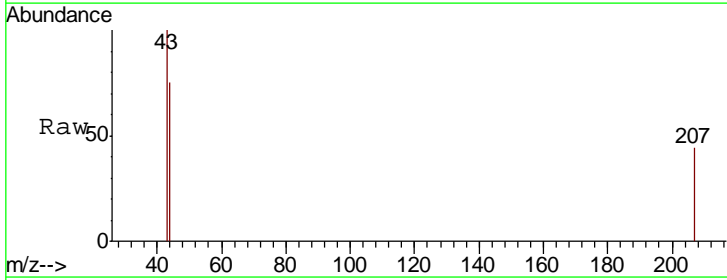
Instrument :
 MSVOA_N
 ClientSampled :

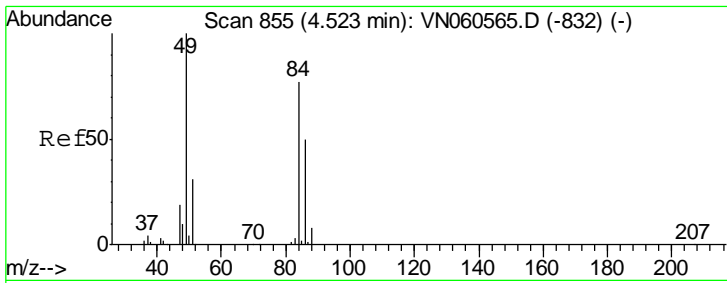
Tgt Ion	Resp	Lower	Upper
43	16108		
58	31.6	25.1	37.7



#18
 Methyl Acetate
 Concen: 0.628 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. 0.01 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

Tgt Ion	Resp	Lower	Upper
43	1711		
74	0.0	17.5	26.3#

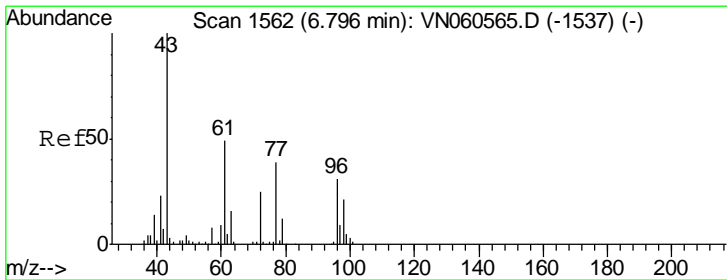
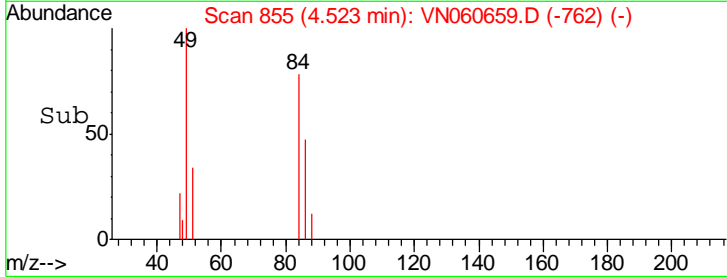
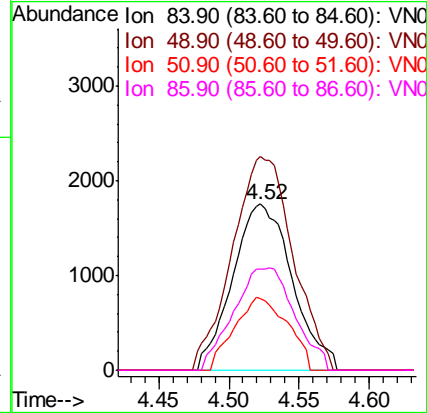
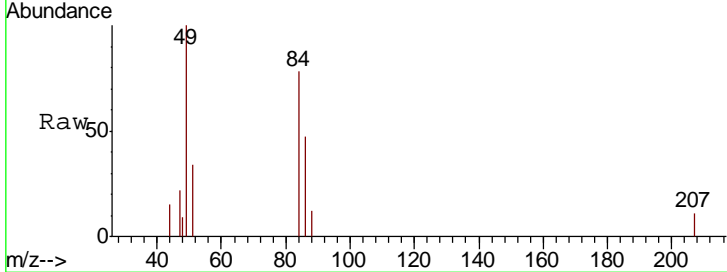




#20
 Methylene Chloride
 Concen: 2.184 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

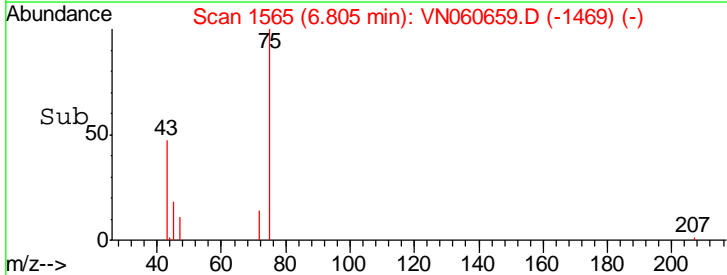
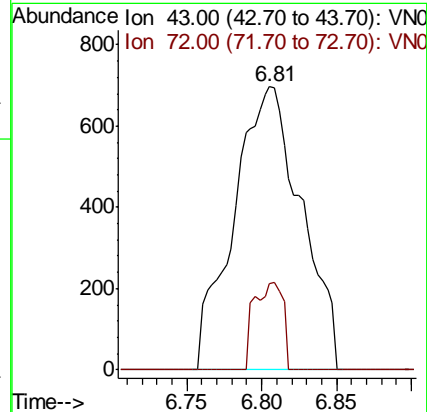
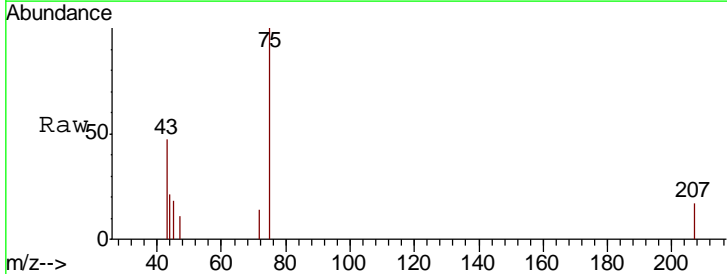
Instrument :
 MSVOA_N
 ClientSampled :

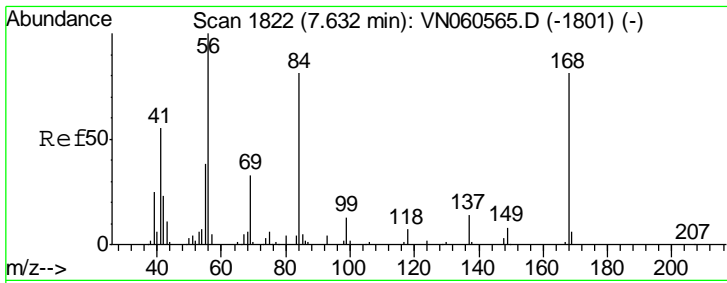
Tgt Ion	Resp	Lower	Upper
84	100		
49	128.7	103.3	154.9
51	43.6	31.6	47.4
86	60.6	52.0	78.0



#25
 2-Butanone
 Concen: 1.402 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

Tgt Ion	Resp	Lower	Upper
43	100		
72	30.3	20.4	30.6

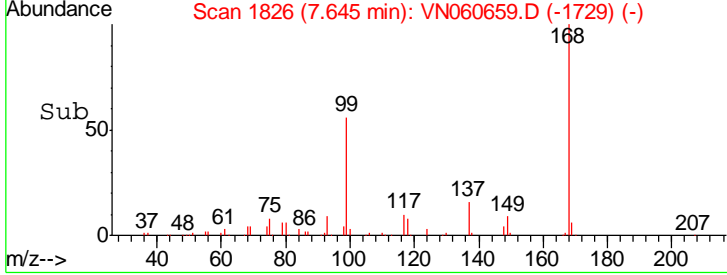
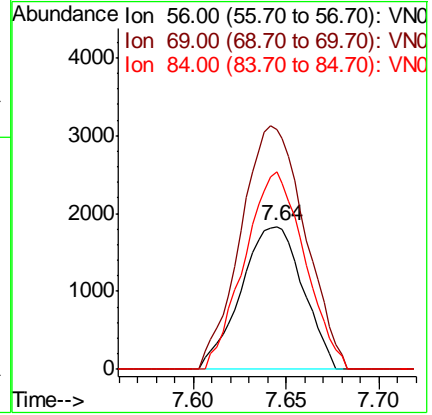
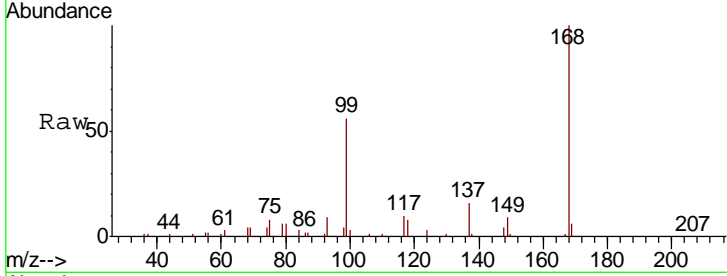




#31
 Cyclohexane
 Concen: 0.967 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. 0.01 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

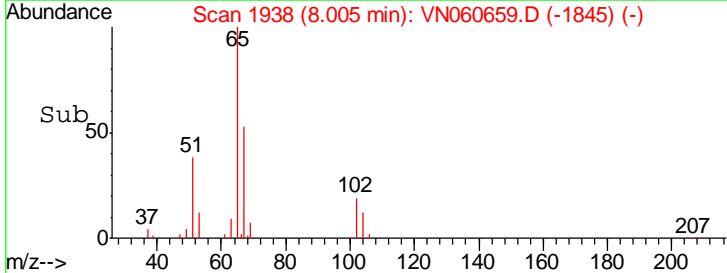
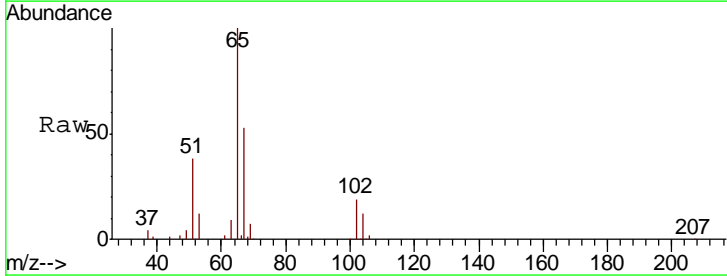
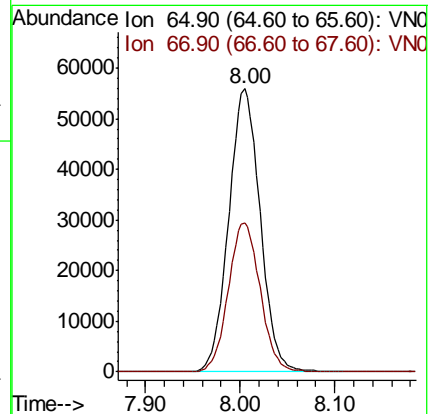
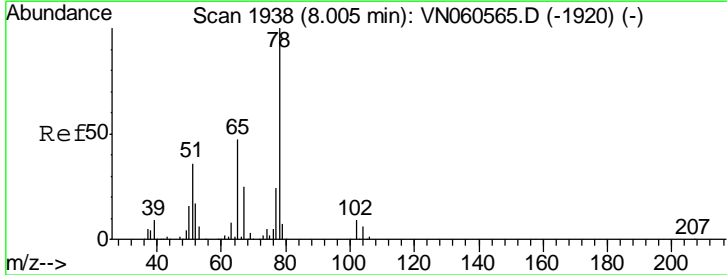
Instrument :
 MSVOA_N
 ClientSampled :

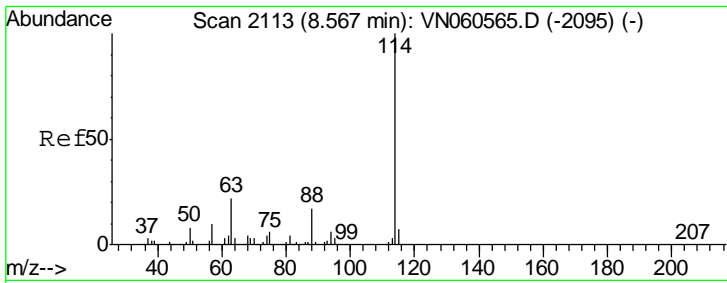
Tgt Ion	Resp	Lower	Upper
56	100		
69	168.1	26.6	40.0#
84	138.8	64.3	96.5#



#33
 1,2-Dichloroethane-d4
 Concen: 47.368 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

Tgt Ion	Resp	Lower	Upper
65	100		
67	53.1	0.0	107.6

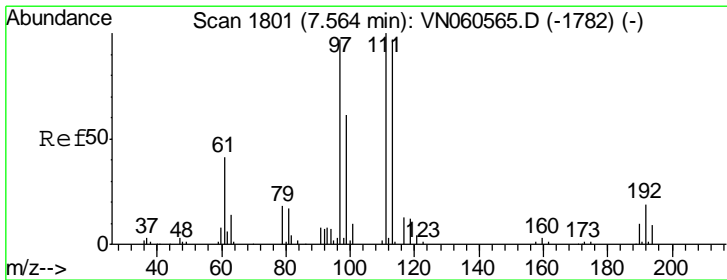
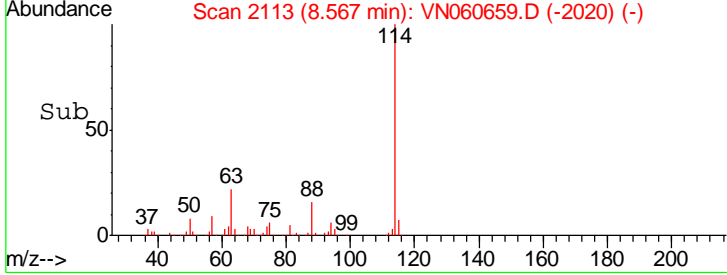
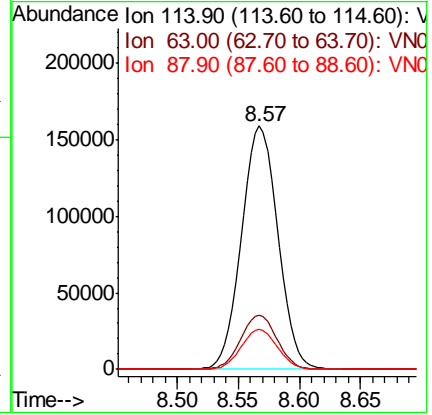
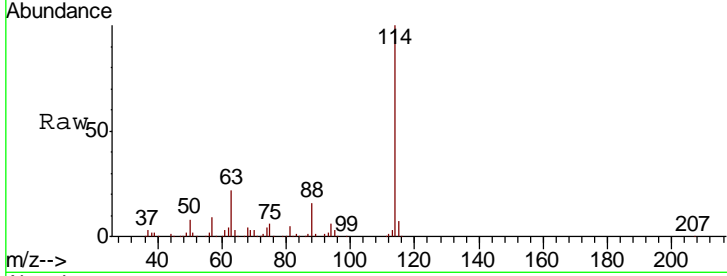




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

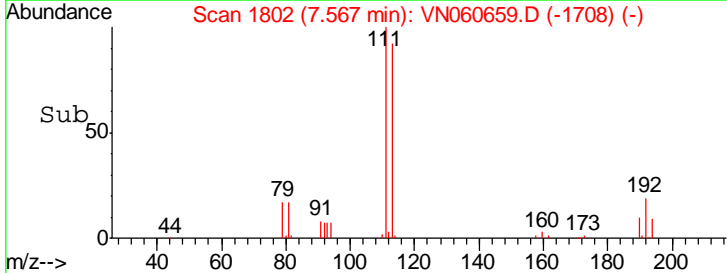
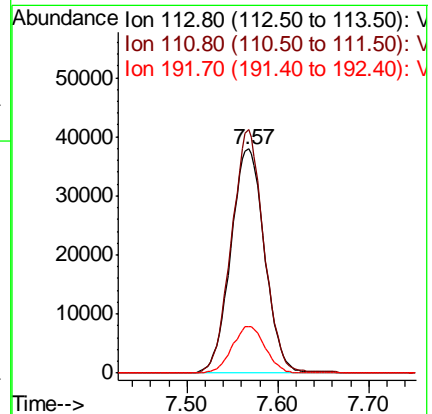
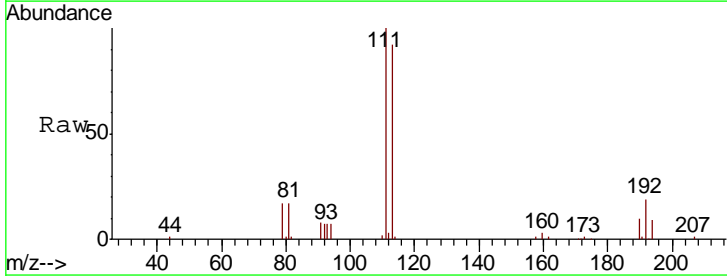
Instrument :
 MSVOA_N
 ClientSampled :

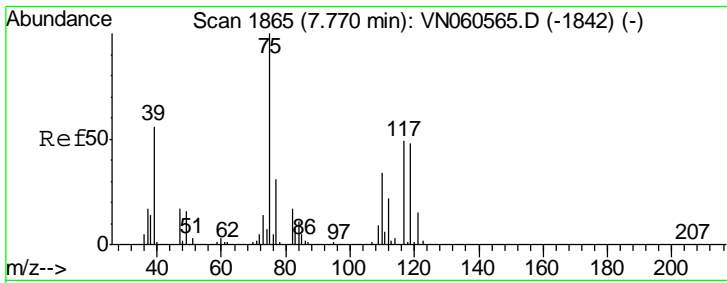
Tgt Ion	Resp	Lower	Upper
114	100		
63	22.3	0.0	43.8
88	16.3	0.0	33.0



#35
 Dibromofluoromethane
 Concen: 49.470 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

Tgt Ion	Resp	Lower	Upper
113	100		
111	103.8	82.9	124.3
192	20.2	15.8	23.8

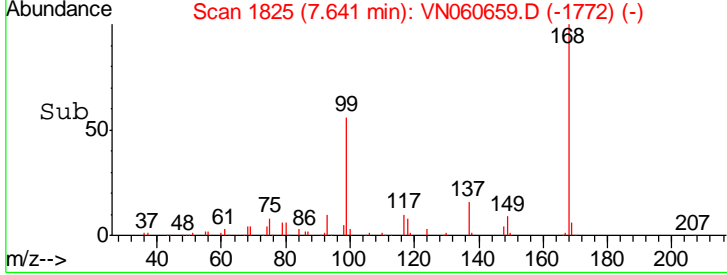
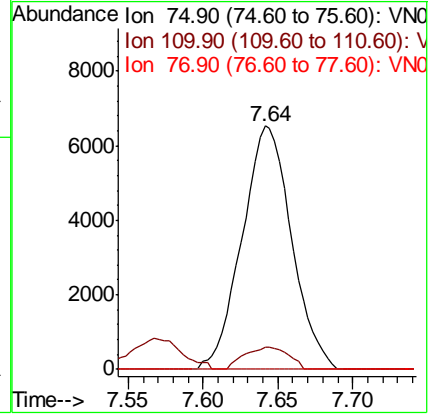
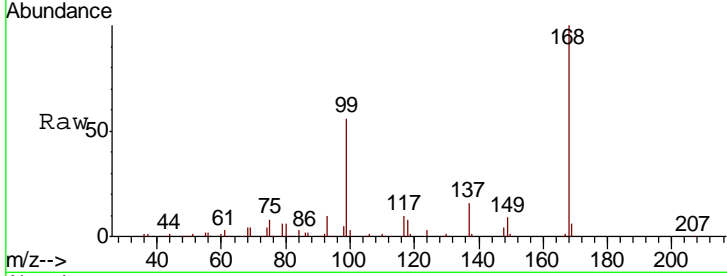




#36
 1,1-Dichloropropene
 Concen: 4.731 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

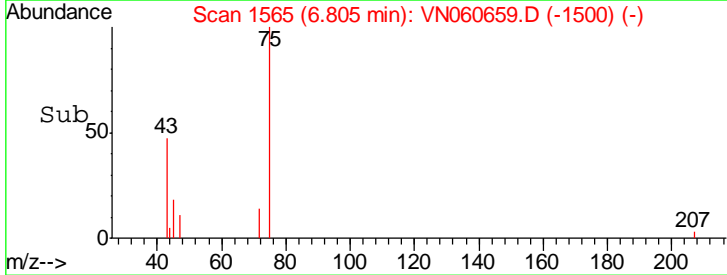
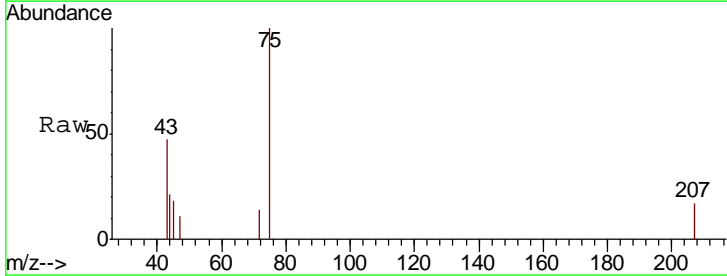
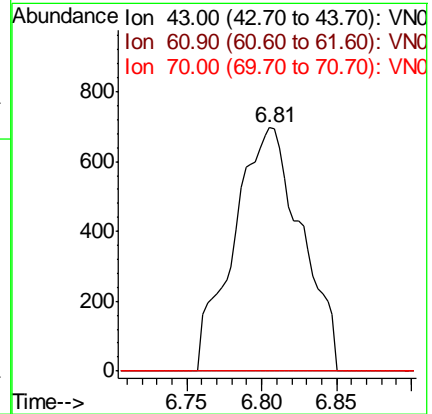
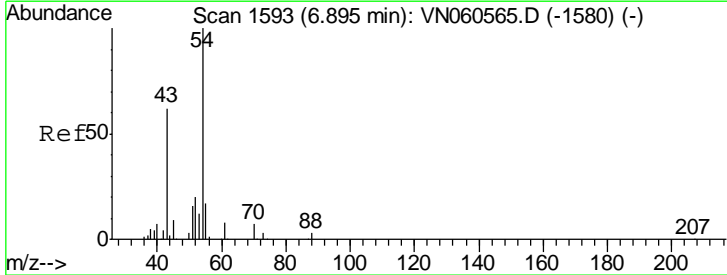
Instrument :
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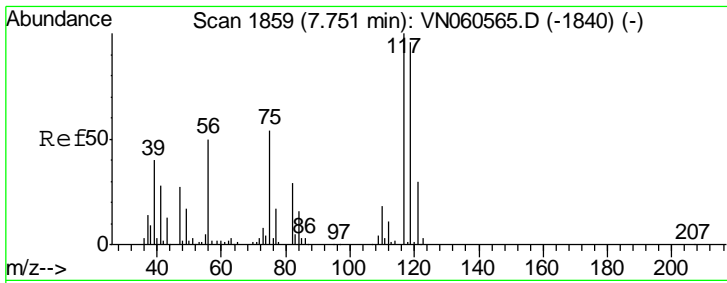
Tgt Ion	Resp	Lower	Upper
75	15035		
110	8.0	16.9	50.6#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 0.639 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.09 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

Tgt Ion	Resp	Lower	Upper
43	2194		
61	0.0	10.6	15.8#
70	0.0	7.9	11.9#

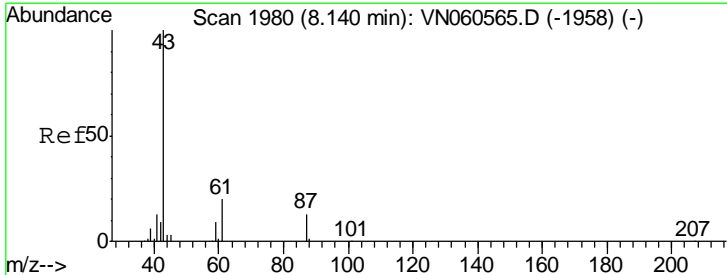
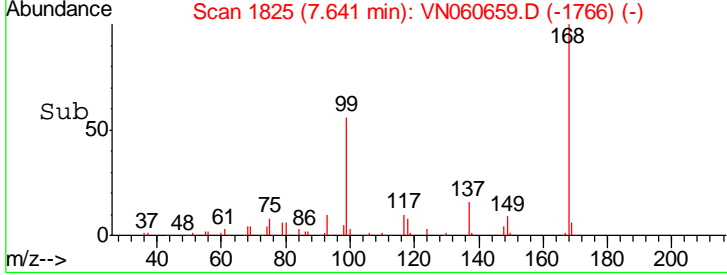
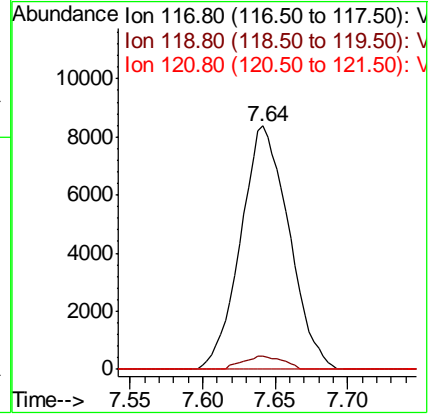
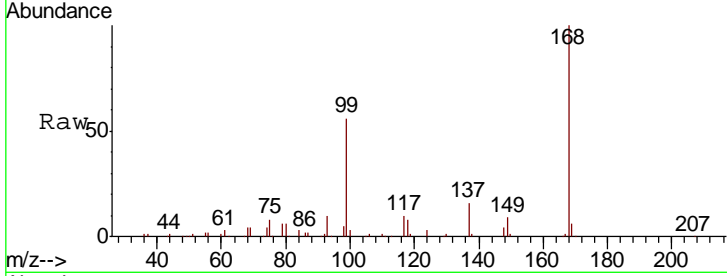




#38
 Carbon Tetrachloride
 Concen: 6.811 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

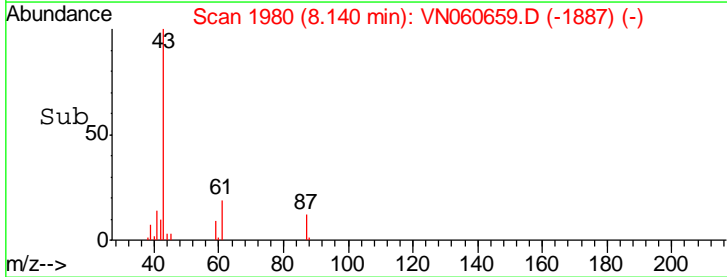
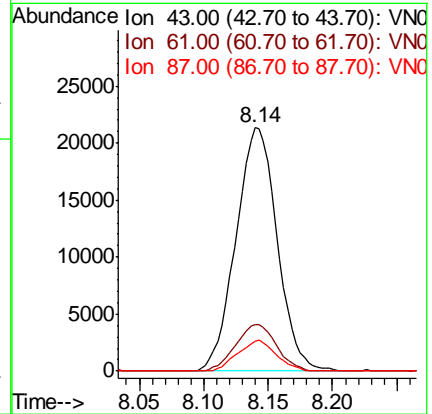
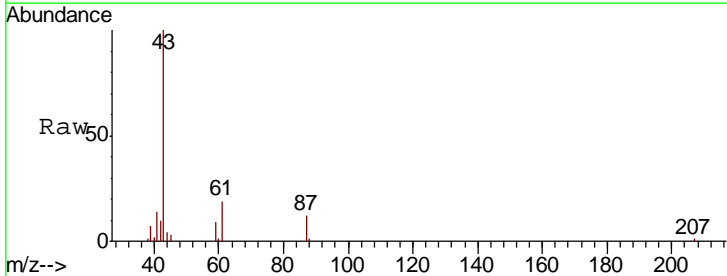
Instrument :
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 ClientSampled :

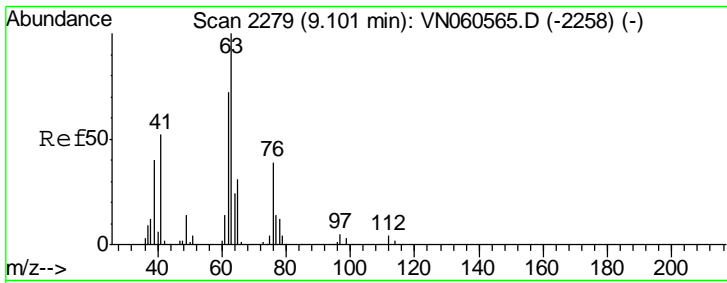
Tgt Ion	Resp	Lower	Upper
117	100		
119	5.3	76.2	114.2#
121	0.0	23.7	35.5#



#43
 Isopropyl Acetate
 Concen: 8.382 ug/l
 RT: 8.14 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

Tgt Ion	Resp	Lower	Upper
43	100		
61	18.9	20.7	31.1#
87	11.6	9.8	14.8

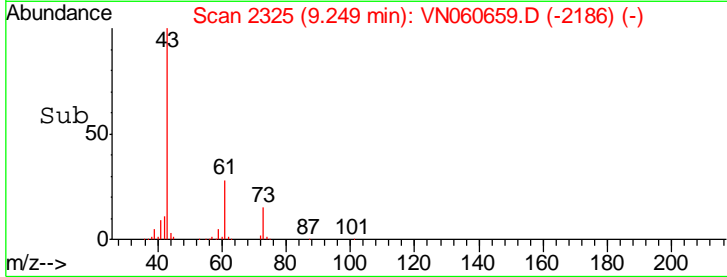
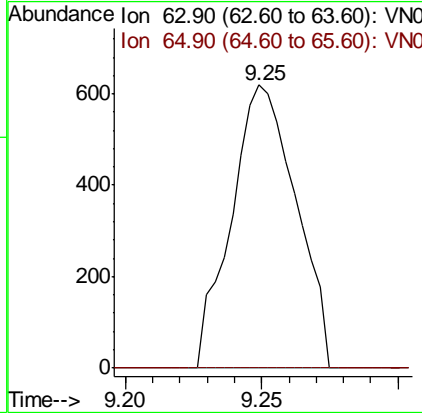
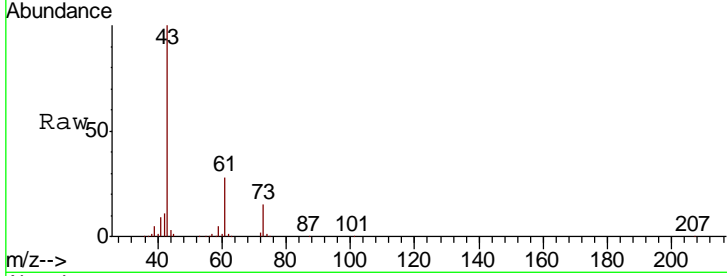




#45
 1,2-Dichloropropane
 Concen: 0.403 ug/l
 RT: 9.25 min Scan# 2325
 Delta R.T. 0.15 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

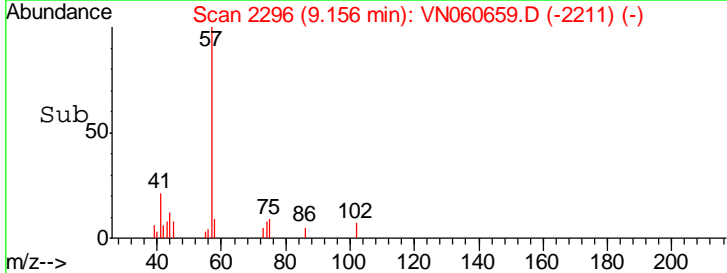
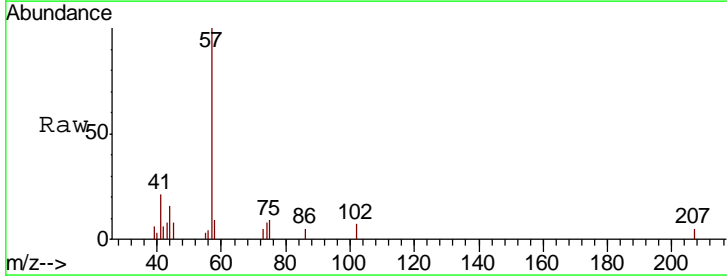
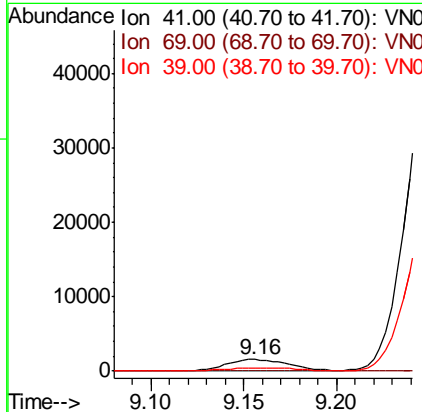
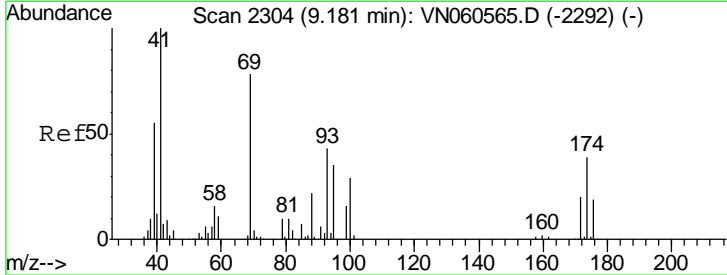
Instrument :
 MSVOA_N
 ClientSampled :

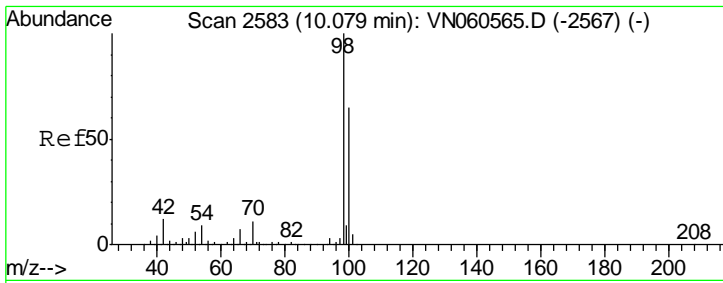
Tgt Ion	Resp	Lower	Upper
63	1019		
65	0.0	25.4	38.0#



#48
 Methyl methacrylate
 Concen: 1.448 ug/l
 RT: 9.16 min Scan# 2296
 Delta R.T. -0.03 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

Tgt Ion	Resp	Lower	Upper
41	3651		
69	0.0	65.4	98.0#
39	0.0	44.0	66.0#

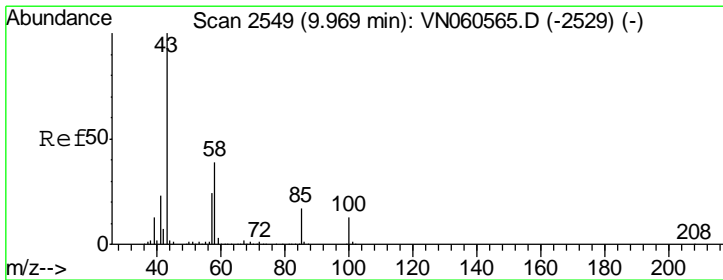
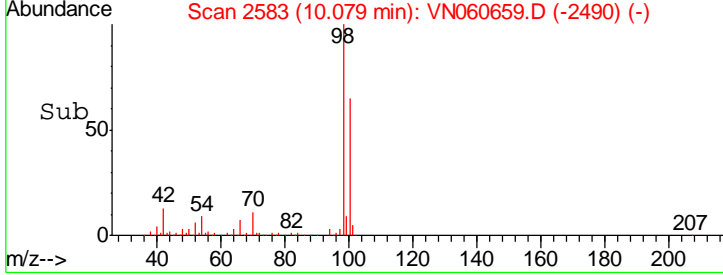
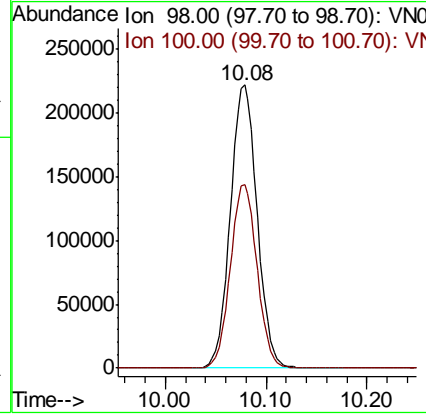
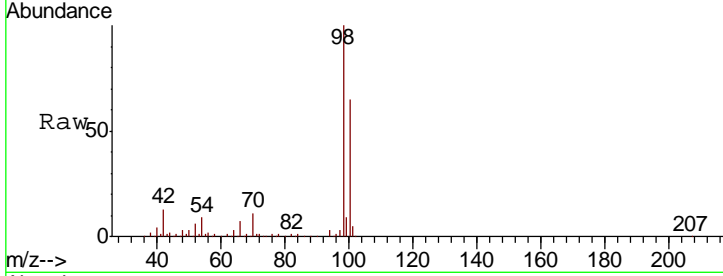




#50
 Toluene-d8
 Concen: 50.617 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. -0.00 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

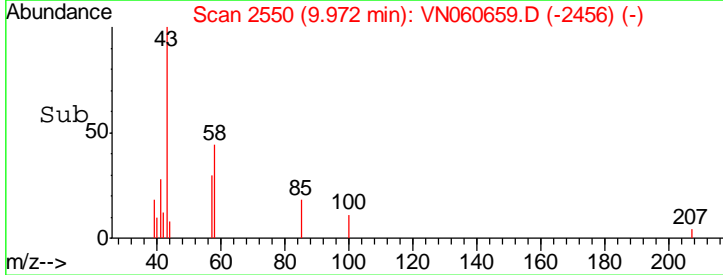
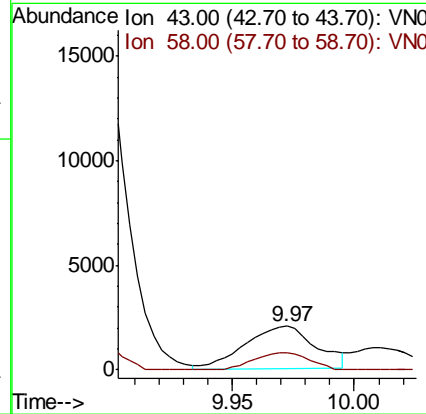
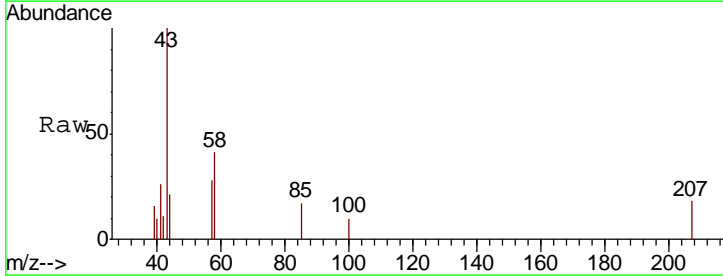
Instrument :
 MSVOA_N
 ClientSampled :

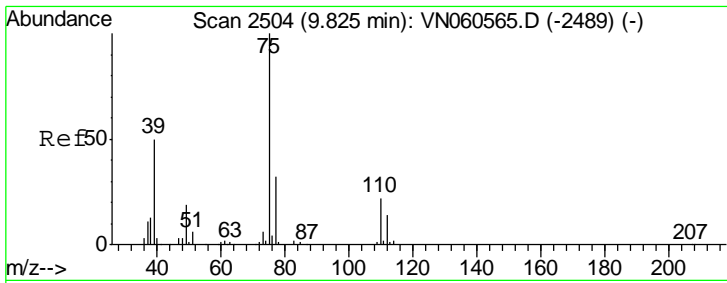
Tgt Ion	Resp	Lower	Upper
98	410277		
100	64.6	51.8	77.8



#51
 4-Methyl-2-Pentanone
 Concen: 1.290 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

Tgt Ion	Resp	Lower	Upper
43	4157		
58	31.4	30.8	46.2

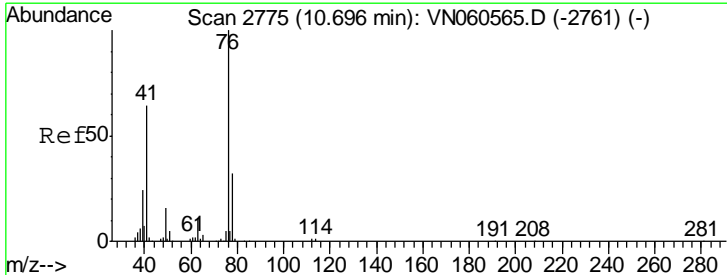
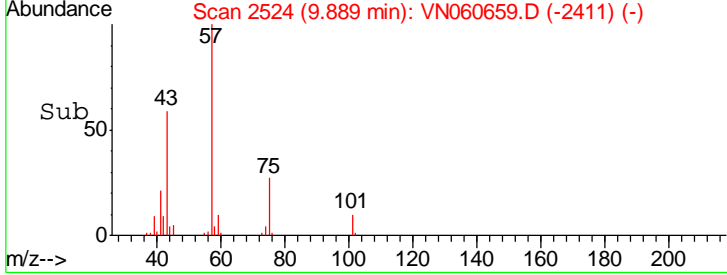
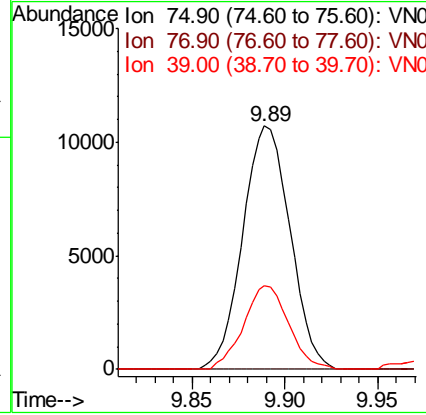
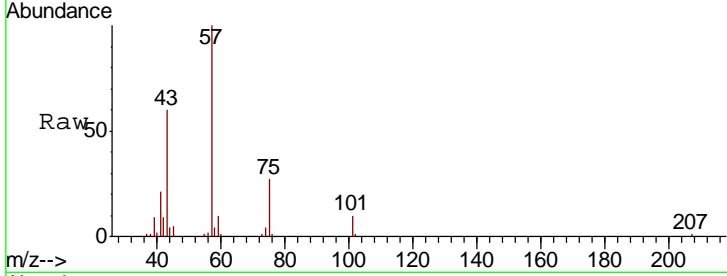




#54
 cis-1,3-Dichloropropene
 Concen: 4.743 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

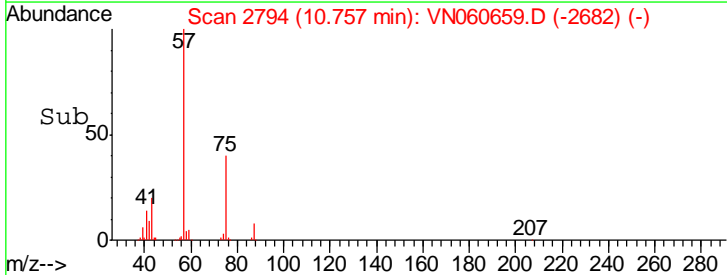
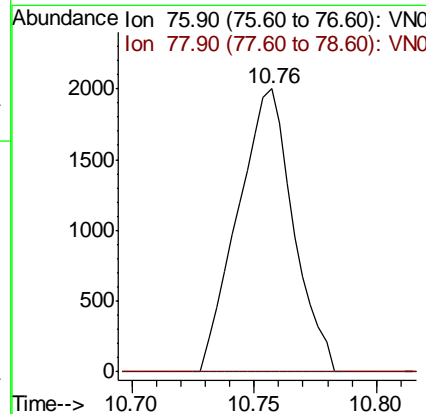
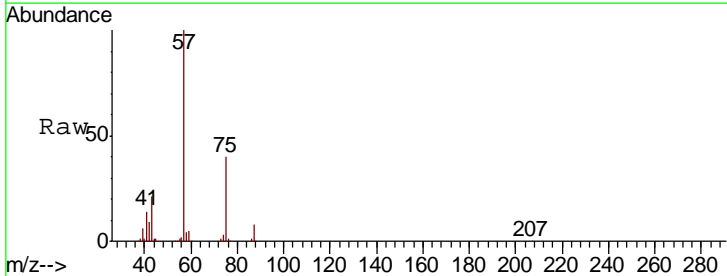
Instrument :
 MSVOA_N
 ClientSampled :

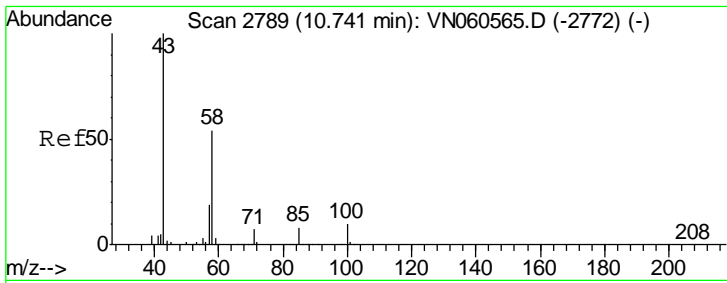
Tgt Ion	Resp	Lower	Upper
75	19005		
77	0.0	25.4	38.0#
39	34.6	40.2	60.4#



#57
 1,3-Dichloropropane
 Concen: 0.815 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.06 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

Tgt Ion	Resp	Lower	Upper
76	3153		
78	0.0	25.8	38.6#

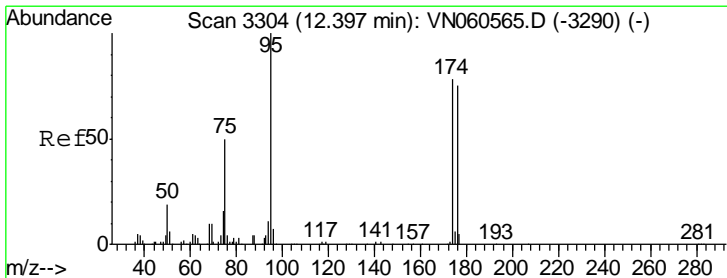
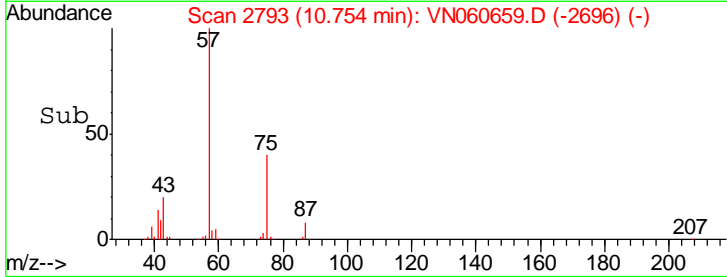
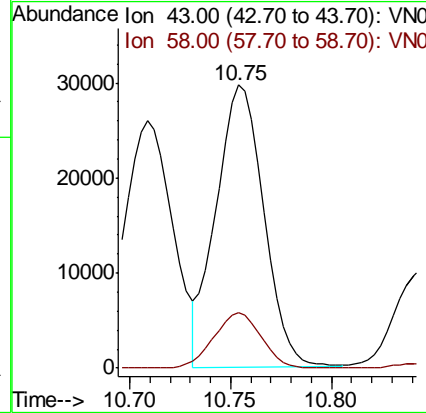
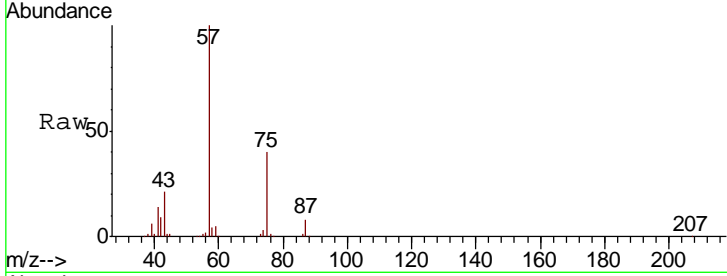




#59
 2-Hexanone
 Concen: 21.075 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

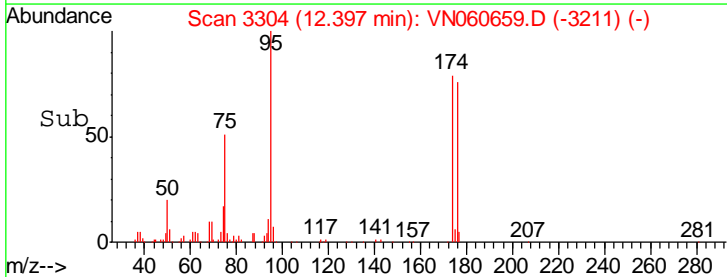
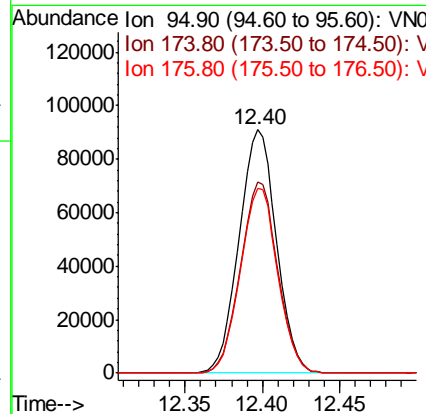
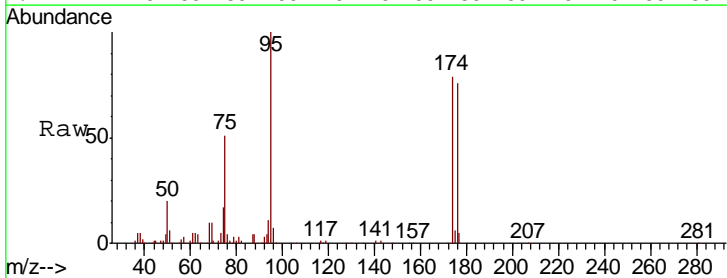
Instrument :
 MSVOA_N
 ClientSampled :

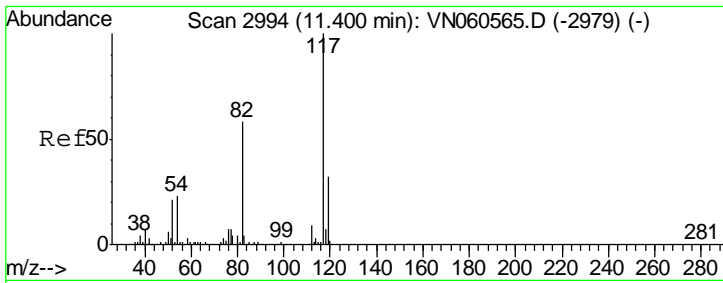
Tgt Ion	Resp	Lower	Upper
43	100		
58	19.5	26.7	80.1#



#62
 4-Bromofluorobenzene
 Concen: 51.221 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

Tgt Ion	Resp	Lower	Upper
95	100		
174	78.5	0.0	157.6
176	76.4	0.0	150.6

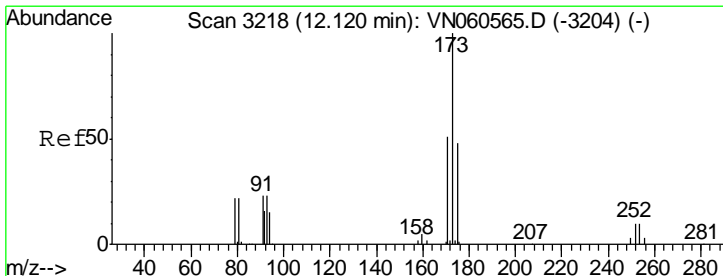
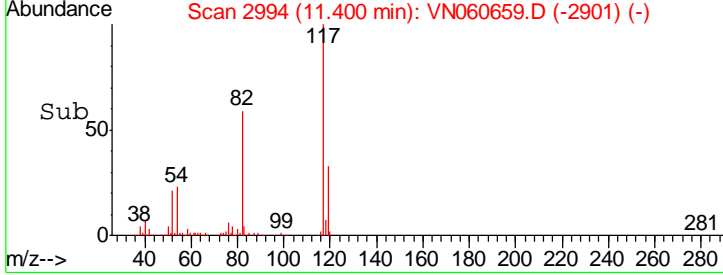
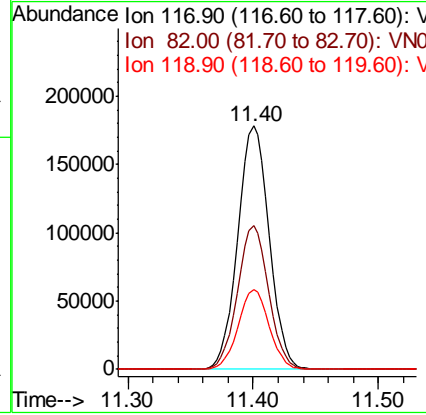
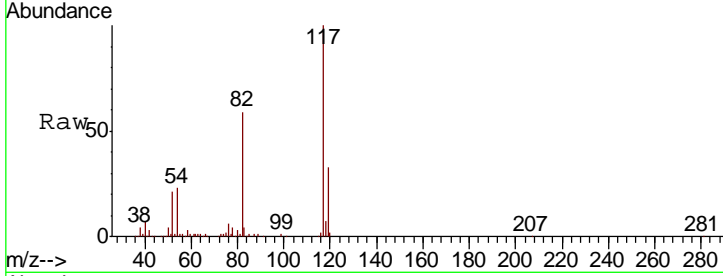




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.40 min Scan# 2994
 Delta R.T. 0.00 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

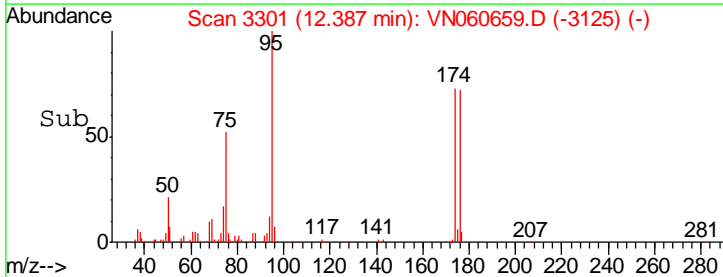
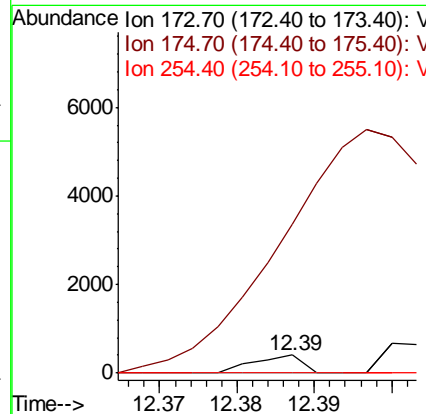
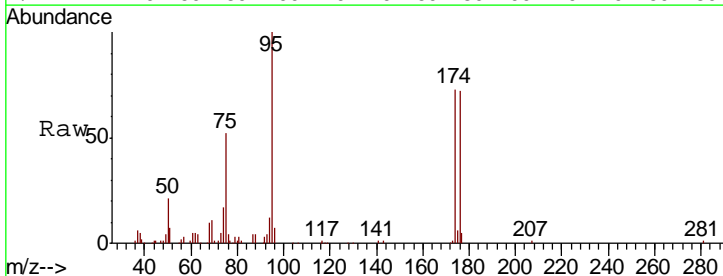
Instrument :
 MSVOA_N
 ClientSampled :

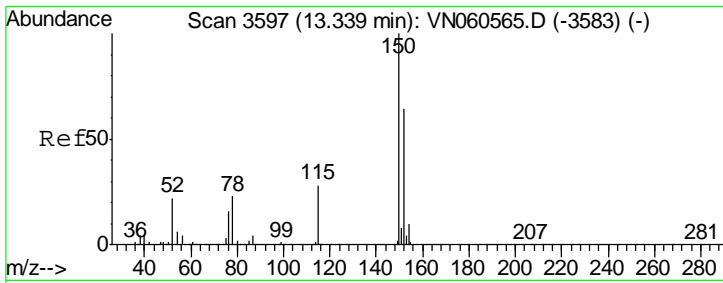
Tgt Ion	Resp	Lower	Upper
117	100		
82	58.8	46.7	70.1
119	32.6	25.5	38.3



#71
 Bromoform
 Concen: 1.773 ug/l
 RT: 12.39 min Scan# 3301
 Delta R.T. 0.27 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

Tgt Ion	Resp	Lower	Upper
173	100		
175	0.0	24.1	72.4#
254	0.0	0.0	0.0

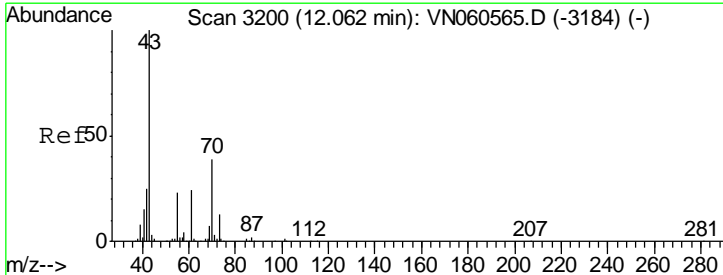
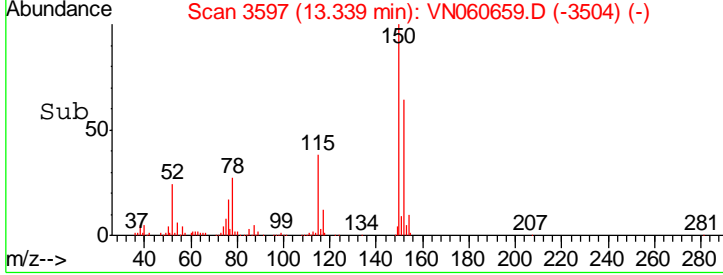
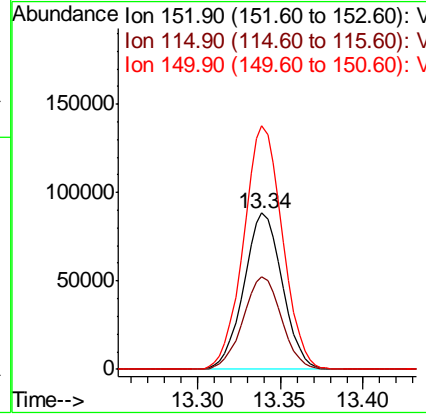
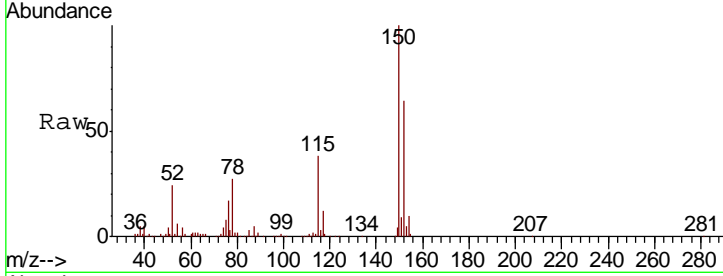




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

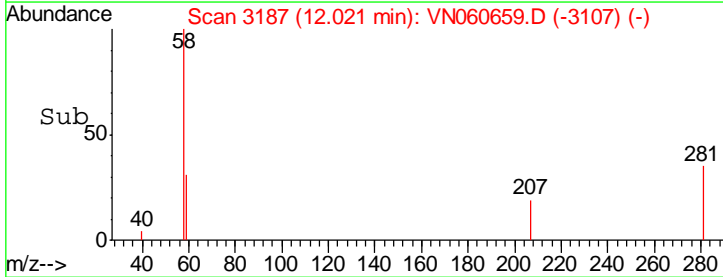
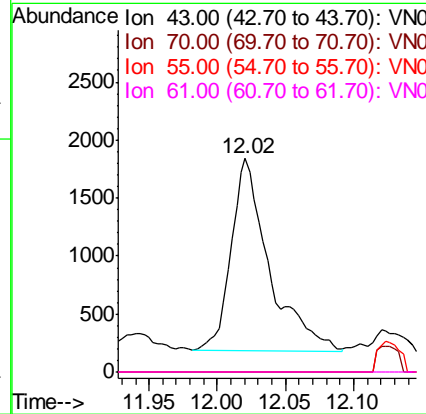
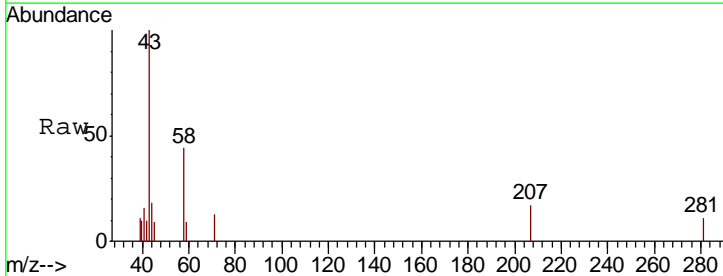
Instrument :
 MSVOA_N
 ClientSampled :

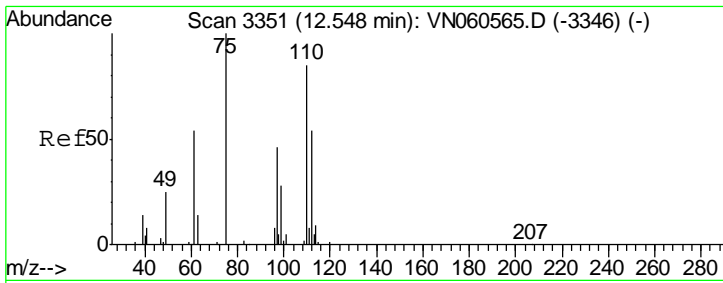
Tgt Ion	Resp	Lower	Upper
152	100		
115	59.3	30.2	90.6
150	157.2	0.0	350.2



#74
 N-amyl acetate
 Concen: 0.648 ug/l
 RT: 12.02 min Scan# 3187
 Delta R.T. -0.04 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

Tgt Ion	Resp	Lower	Upper
43	100		
70	0.0	31.1	46.7#
55	0.0	18.6	27.8#
61	0.0	18.9	28.3#

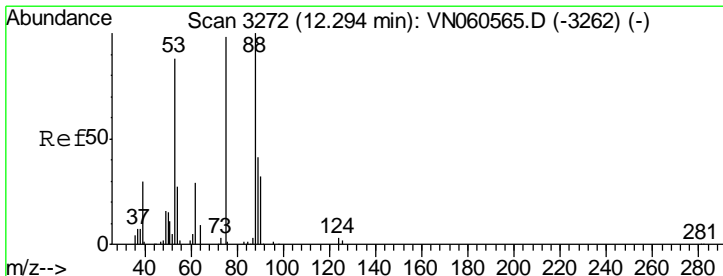
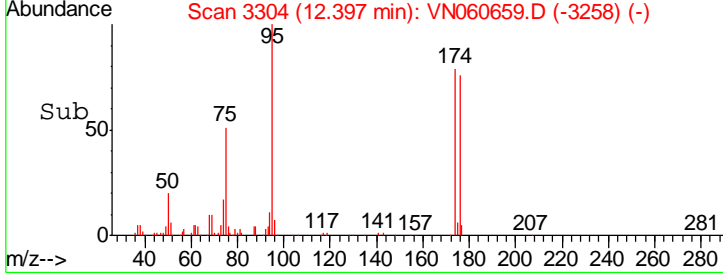
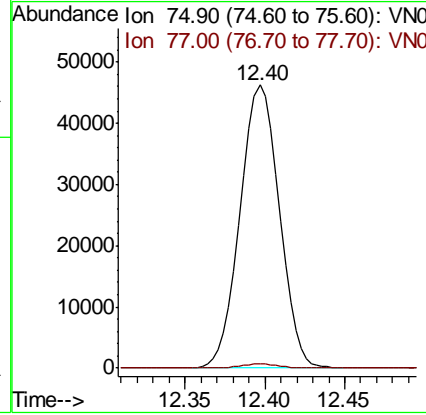
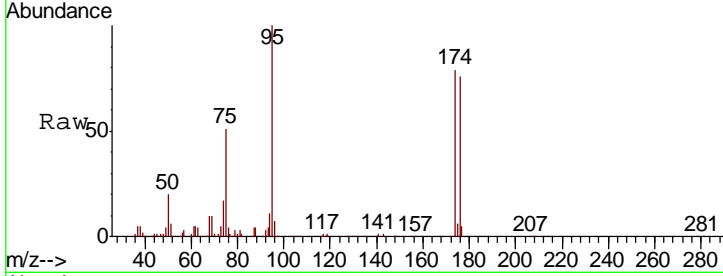




#76
 1,2,3-Trichloropropane
 Concen: 25.226 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

Instrument :
 MSVOA_N
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
75	100		
77	1.2	0.0	0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.788 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060659.D
 Acq: 20 Mar 2020 17:41

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.0	73.0	109.4#
89	0.0	34.8	52.2#

