

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069899.D
 Acq On : 9 Dec 2021 8:09
 Operator : JC/MD
 Sample : M4965-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WHITE-CONCRETE-COMP-EXTERIOR

Quant Time: Dec 09 12:02:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

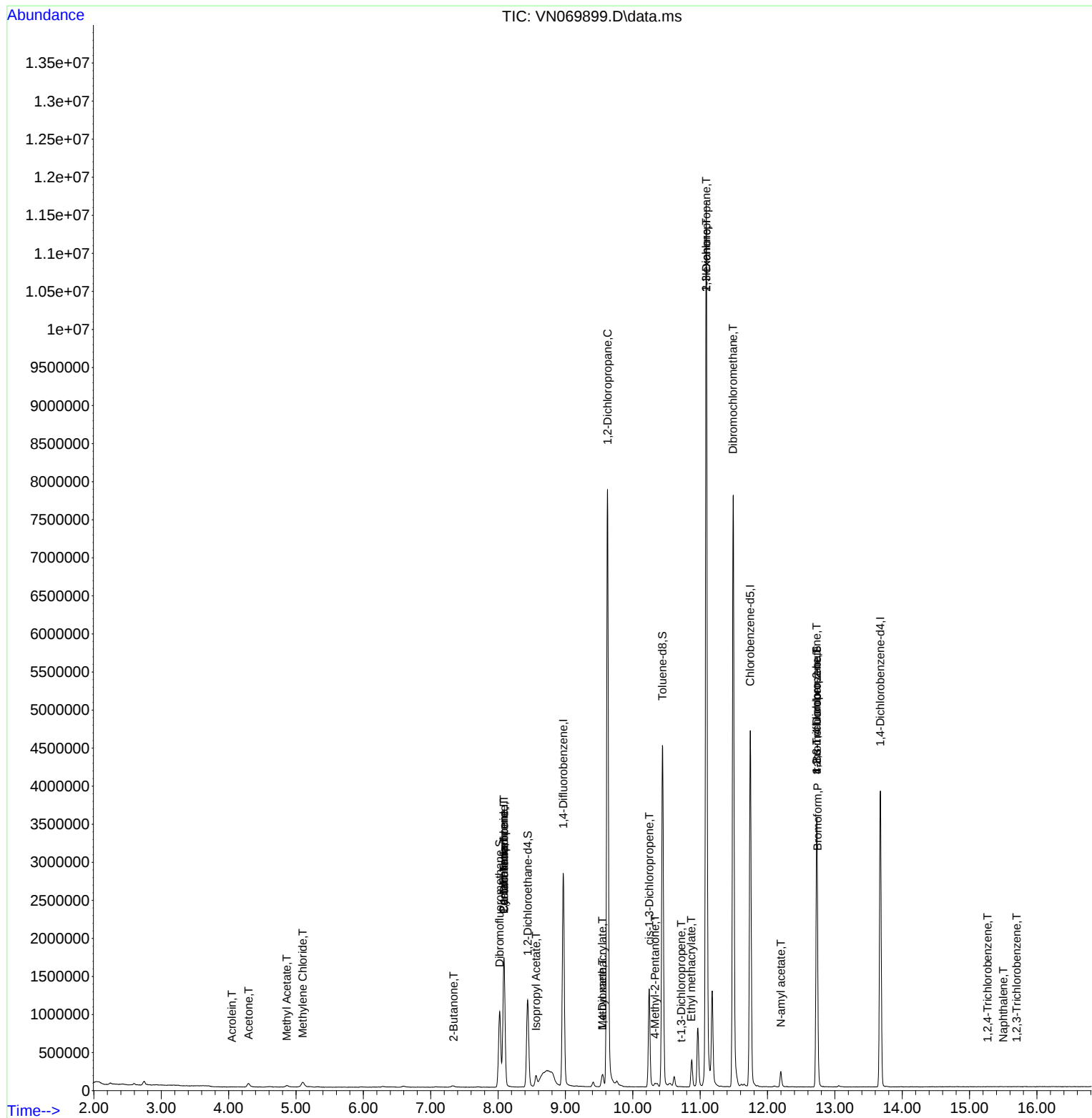
Internal Standards						
1) Pentafluorobenzene	8.088	168	1236143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2324380	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2581233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1017160	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	998172	52.298	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.600%			
35) Dibromofluoromethane	8.024	113	722377	49.616	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.240%			
50) Toluene-d8	10.441	98	3057463	52.299	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.600%			
62) 4-Bromofluorobenzene	12.734	95	1232809	58.209	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 116.420%			
Target Compounds					Qvalue	
13) Acrolein	4.049	56	914	0.297	ug/l	83
16) Acetone	4.296	43	87507	7.622	ug/l	95
18) Methyl Acetate	4.865	43	38490	1.111	ug/l #	75
20) Methylene Chloride	5.098	84	43729	2.865	ug/l #	83
25) 2-Butanone	7.340	43	8425	0.540	ug/l #	79
31) Cyclohexane	8.088	56	32311	1.216	ug/l #	35
36) 1,1-Dichloropropene	8.086	75	110371	4.988	ug/l #	43
38) Carbon Tetrachloride	8.088	117	126270	5.819	ug/l #	17
43) Isopropyl Acetate	8.563	43	185866	3.814	ug/l #	81
45) 1,2-Dichloropropane	9.625	63	9088	0.500	ug/l #	44
48) Methyl methacrylate	9.550	41	61821	2.718	ug/l #	43
49) 1,4-Dioxane	9.547	88	96	0.235	ug/l #	1
51) 4-Methyl-2-Pentanone	10.331	43	18340	0.580	ug/l #	74
53) t-1,3-Dichloropropene	10.719	75	134	2.799	ug/l #	43
54) cis-1,3-Dichloropropene	10.245	75	203797	8.870	ug/l #	74
56) Ethyl methacrylate	10.867	69	1323	2.319	ug/l #	1
57) 1,3-Dichloropropane	11.090	76	113870	3.882	ug/l #	43
59) 2-Hexanone	11.090	43	2085518	87.198	ug/l #	47
60) Dibromochloromethane	11.489	129	1153	2.438	ug/l #	11
71) Bromoform	12.742	173	933	2.787	ug/l #	1
74) N-amyl acetate	12.197	43	74288	1.856	ug/l #	54
76) 1,2,3-Trichloropropane	12.731	75	689218	23.628	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	689218	75.111	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	227	2.891	ug/l #	20
95) Naphthalene	15.501	128	595	3.996	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.700	180	113	2.442	ug/l #	12

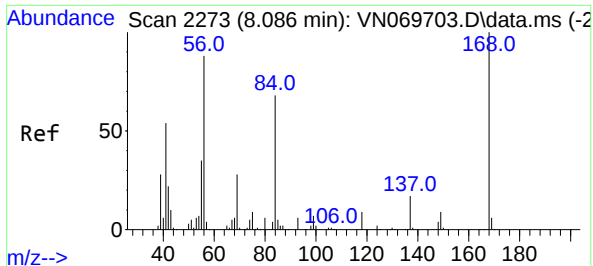
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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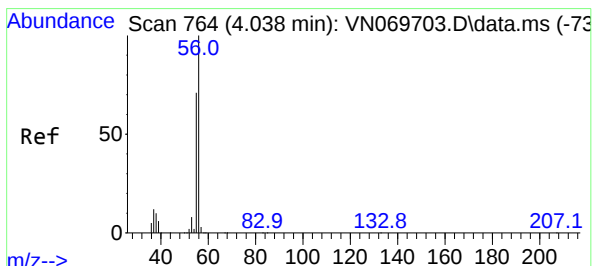
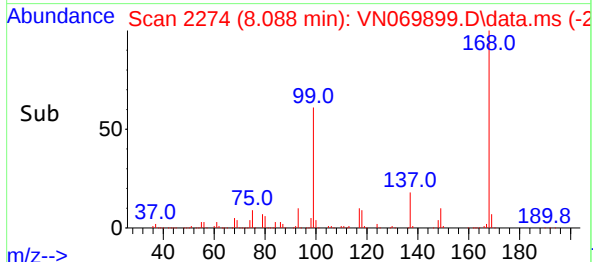
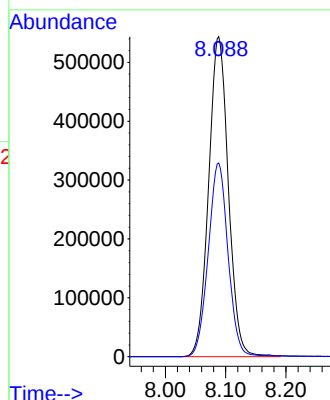
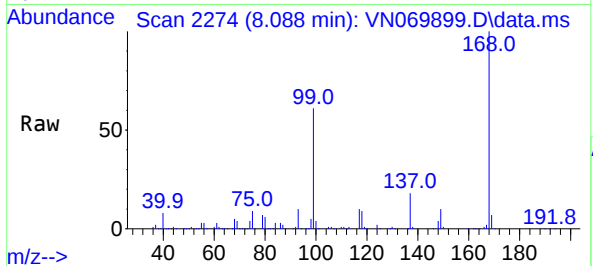




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

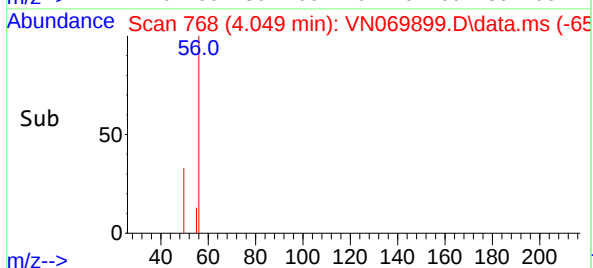
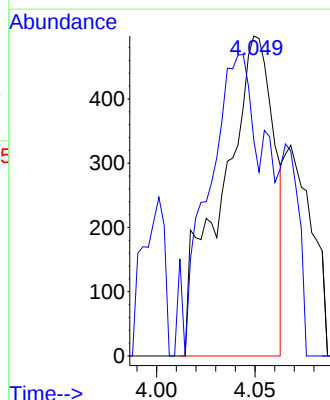
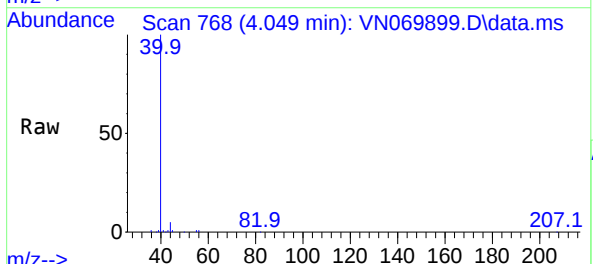
Instrument :
MSVOA_N
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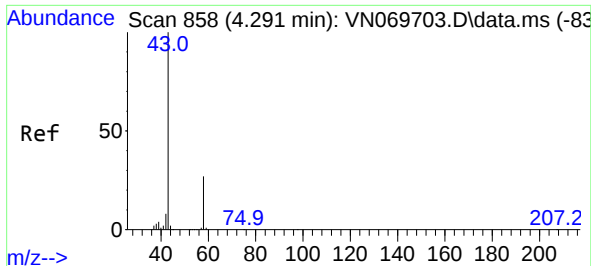
Tgt Ion:168 Resp: 1236143
Ion Ratio Lower Upper
168 100
99 60.5 41.3 61.9



#13
Acrolein
Concen: 0.297 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.011 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

Tgt Ion: 56 Resp: 914
Ion Ratio Lower Upper
56 100
55 84.8 56.6 85.0

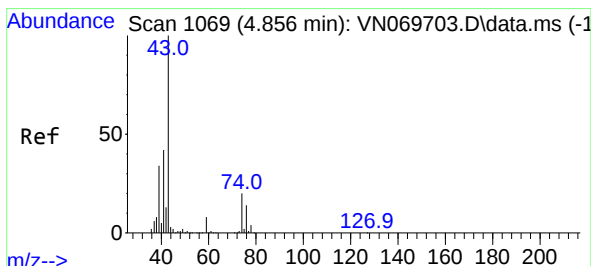
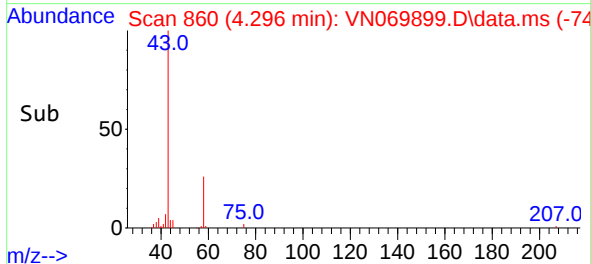
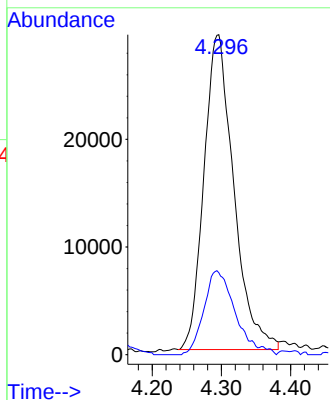
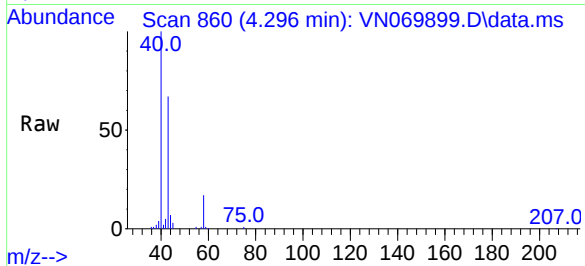




#16
Acetone
Concen: 7.622 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.006 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

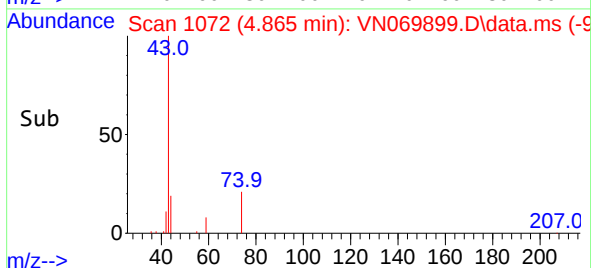
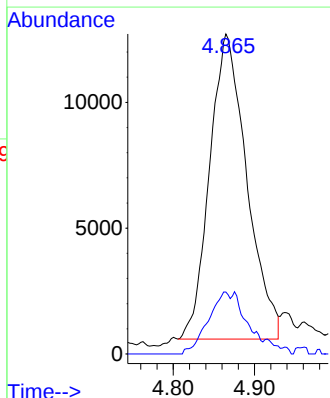
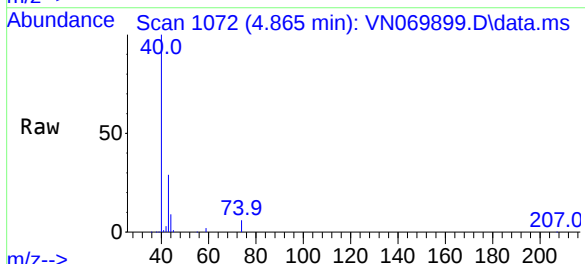
Instrument :
MSVOA_N
ClientSampleId :
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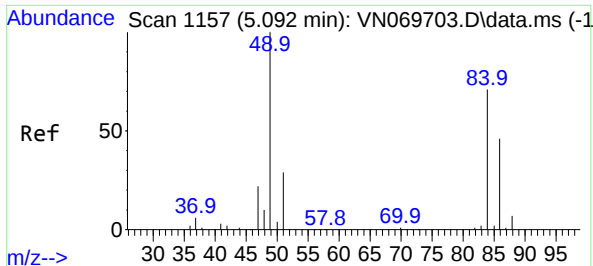
Tgt Ion: 43 Resp: 87507
Ion Ratio Lower Upper
43 100
58 26.0 23.1 34.7



#18
Methyl Acetate
Concen: 1.111 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.008 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

Tgt Ion: 43 Resp: 38490
Ion Ratio Lower Upper
43 100
74 11.9 19.4 29.2#



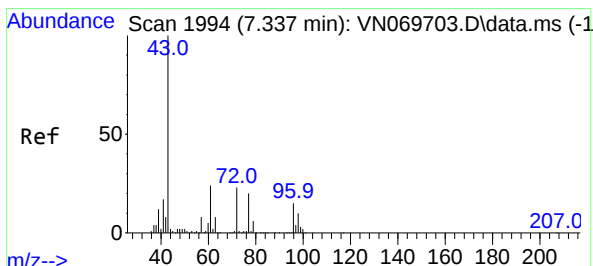
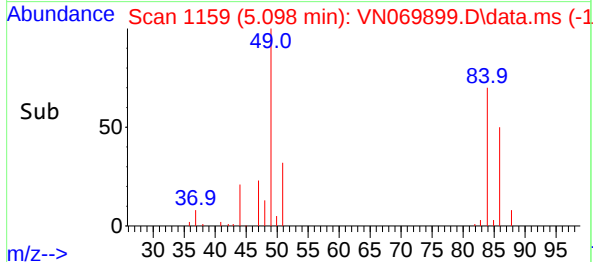
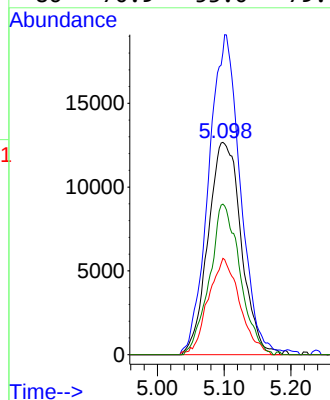
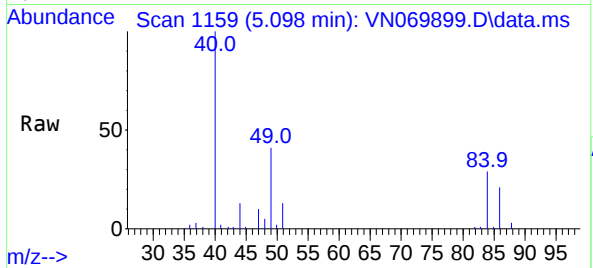


#20
Methylene Chloride
Concen: 2.865 ug/l
RT: 5.098 min Scan# 1157
Delta R.T. 0.006 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

Instrument : MSVOA_N
ClientSampleId : WHITE-CONCRETE-COMP-EXTERIOR

Tgt Ion: 84 Resp: 43729

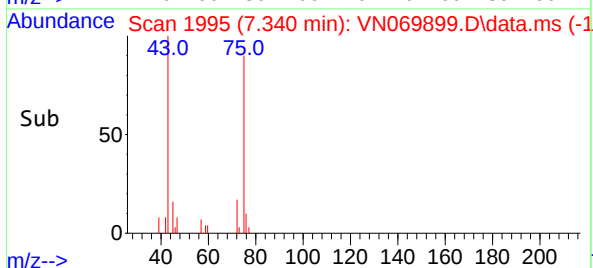
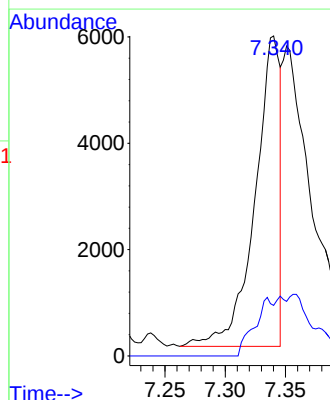
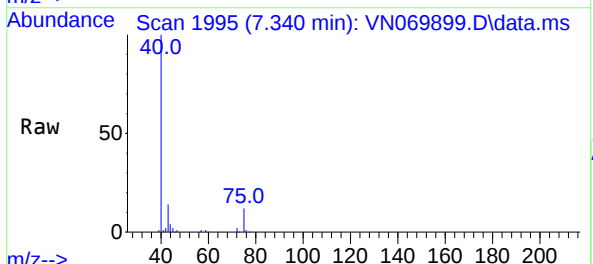
Ion	Ratio	Lower	Upper
84	100		
49	142.4	93.5	140.3#
51	45.3	29.4	44.2#
86	70.9	53.0	79.4

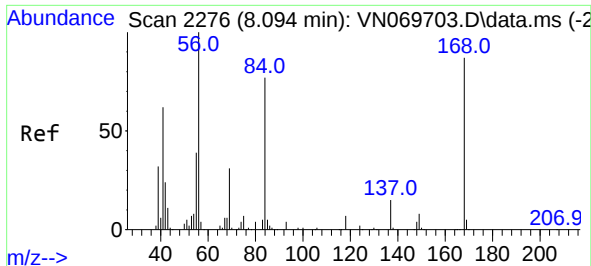


#25
2-Butanone
Concen: 0.540 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.003 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

Tgt Ion: 43 Resp: 8425

Ion	Ratio	Lower	Upper
43	100		
72	16.3	21.7	32.5#

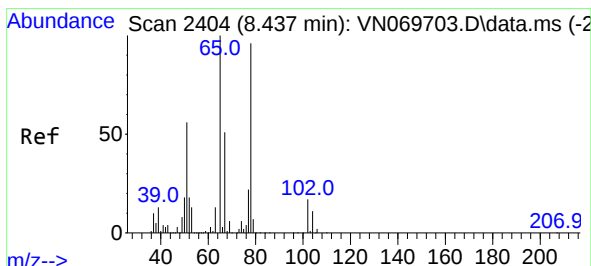
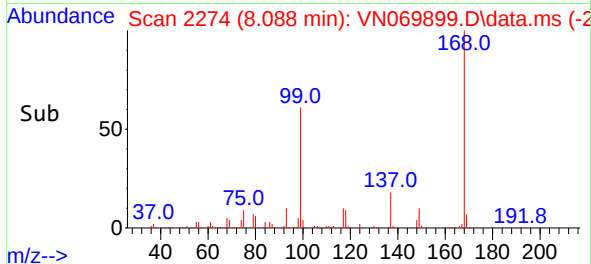
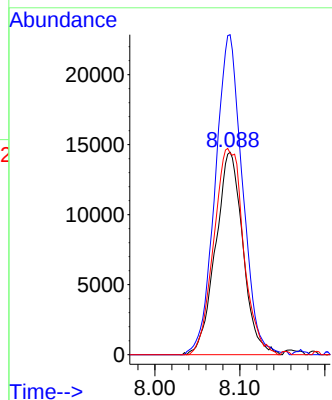
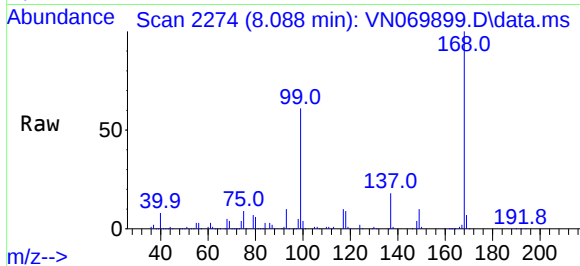




#31
Cyclohexane
Concen: 1.216 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

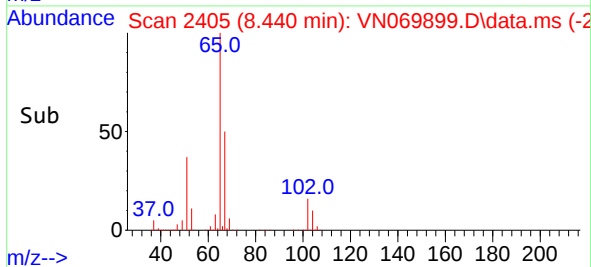
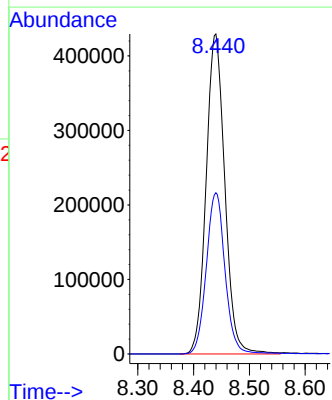
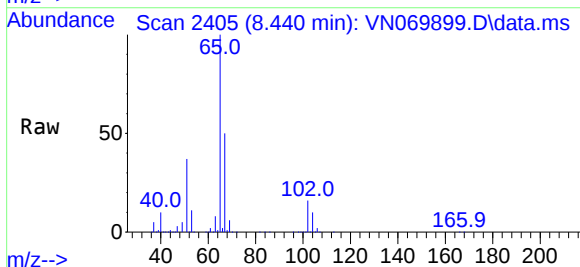
Instrument :
MSVOA_N
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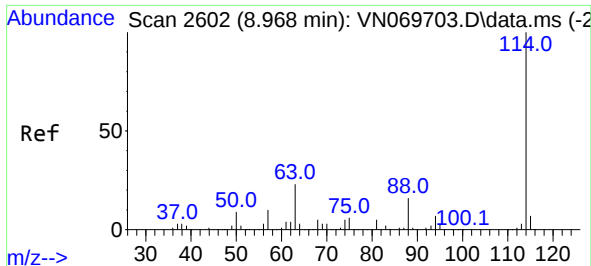
Tgt Ion: 56 Resp: 32311
Ion Ratio Lower Upper
56 100
69 158.1 27.1 40.7#
84 99.6 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 52.298 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

Tgt Ion: 65 Resp: 998172
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0

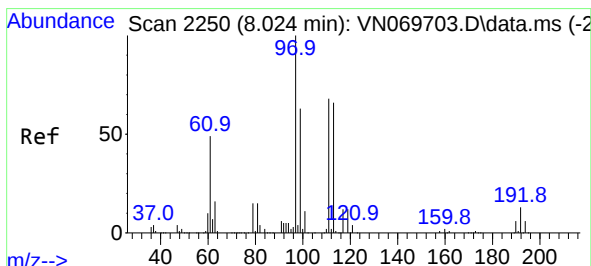
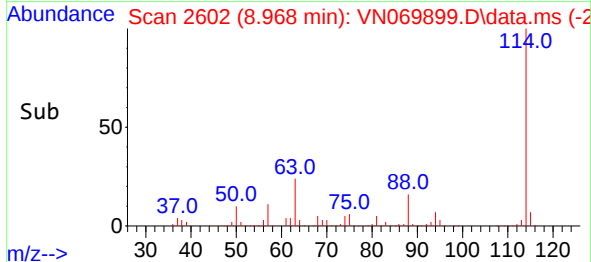
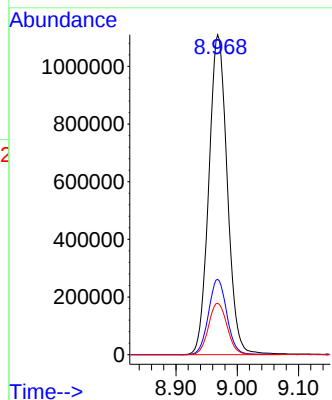
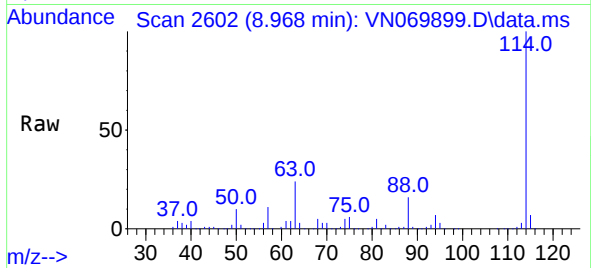




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

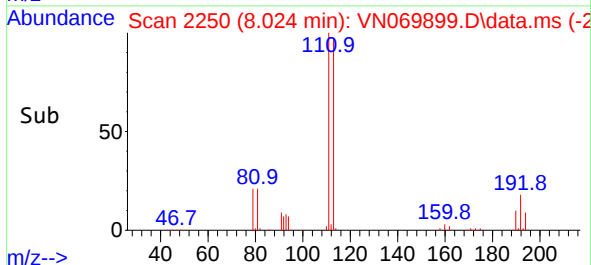
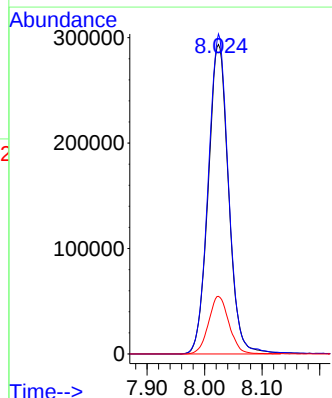
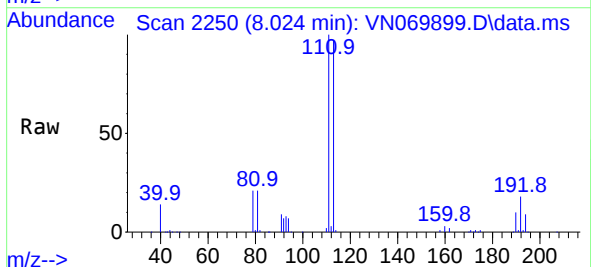
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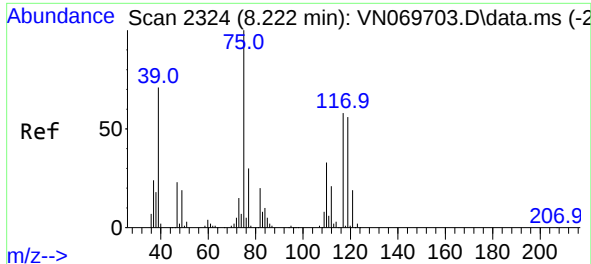
Tgt Ion:114 Resp: 2324380
Ion Ratio Lower Upper
114 100
63 23.6 0.0 37.8
88 16.1 0.0 27.4



#35
Dibromofluoromethane
Concen: 49.616 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

Tgt Ion:113 Resp: 722377
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 18.7 16.9 25.3

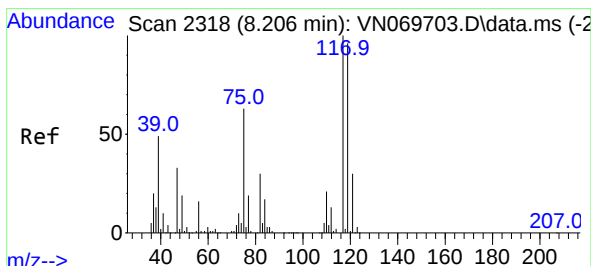
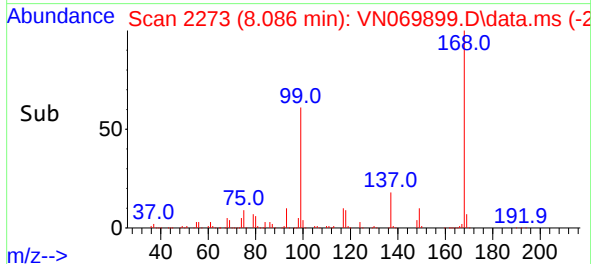
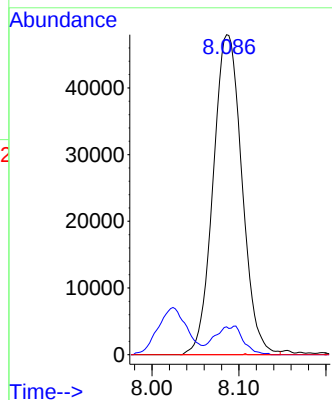
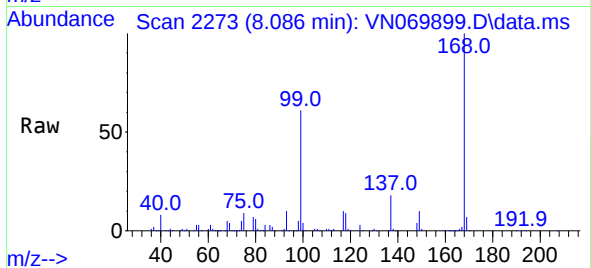




#36
1,1-Dichloropropene
Concen: 4.988 ug/l
RT: 8.086 min Scan# 2110
Delta R.T. -0.137 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

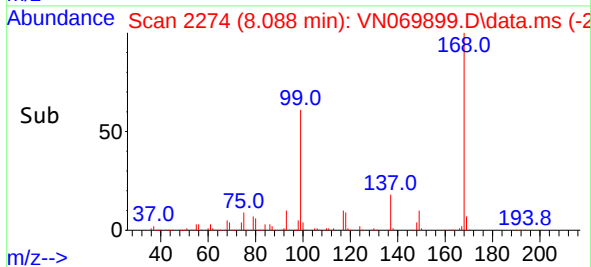
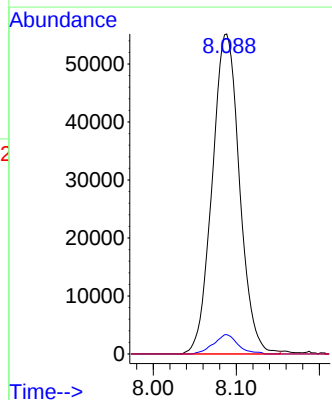
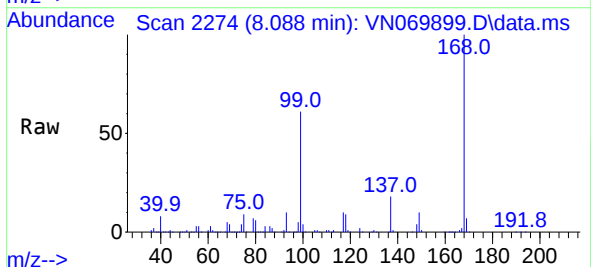
Instrument : MSVOA_N
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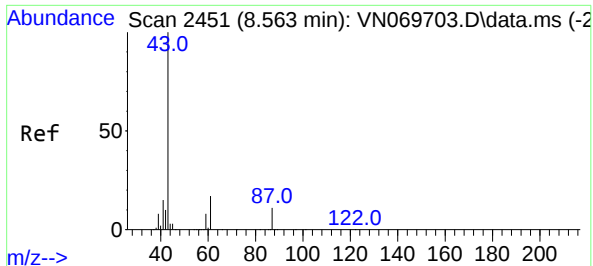
Tgt Ion: 75 Resp: 110371
Ion Ratio Lower Upper
75 100
110 2.6 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.819 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

Tgt Ion: 117 Resp: 126270
Ion Ratio Lower Upper
117 100
119 6.0 76.1 114.1#
121 0.0 24.2 36.2#

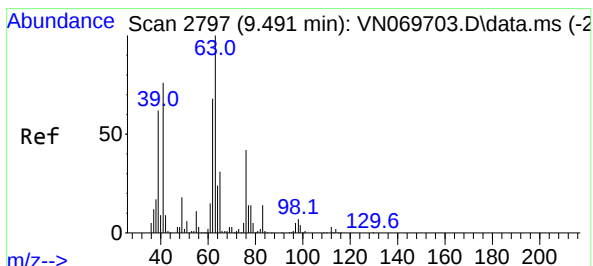
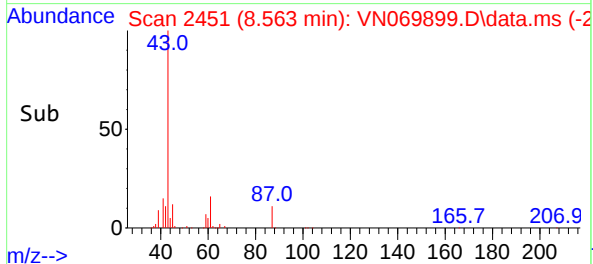
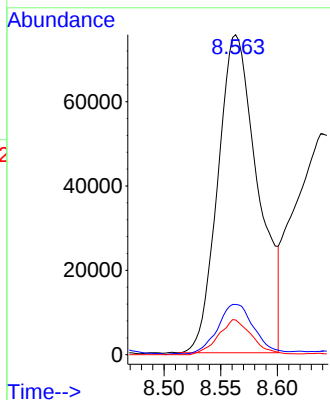
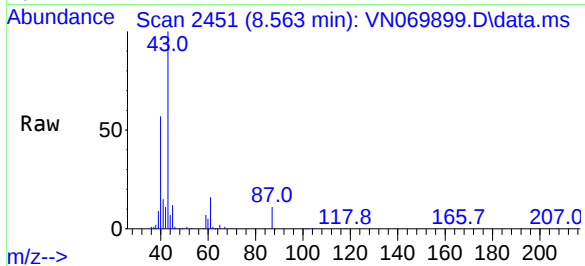




#43
Isopropyl Acetate
Concen: 3.814 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

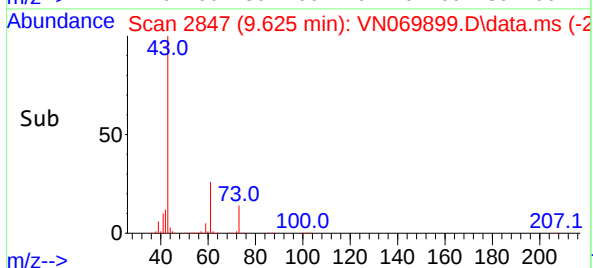
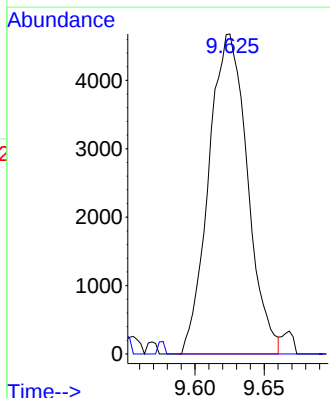
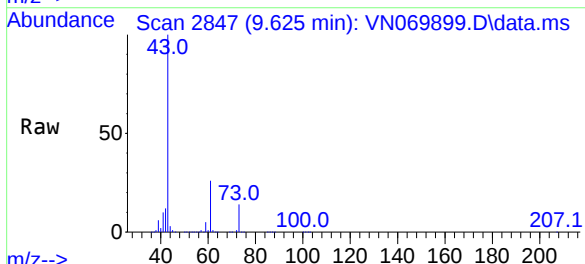
Instrument : MSVOA_N
ClientSampleId : WHITE-CONCRETE-COMP-EXTERIOR

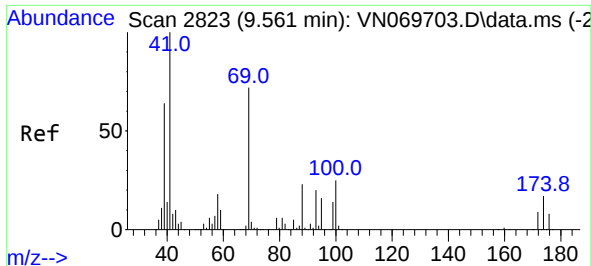
Tgt Ion: 43 Resp: 185866
Ion Ratio Lower Upper
43 100
61 14.0 20.4 30.6#
87 9.3 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.500 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

Tgt Ion: 63 Resp: 9088
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

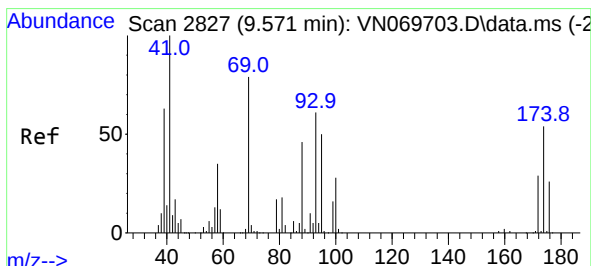
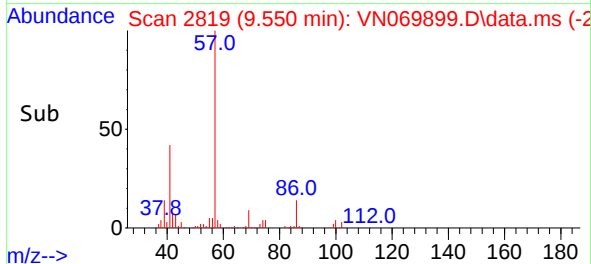
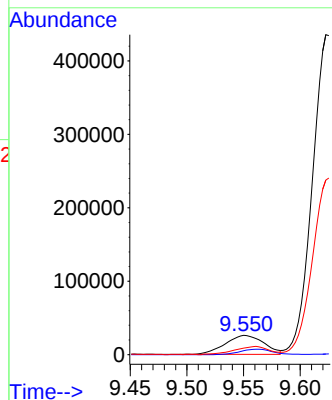
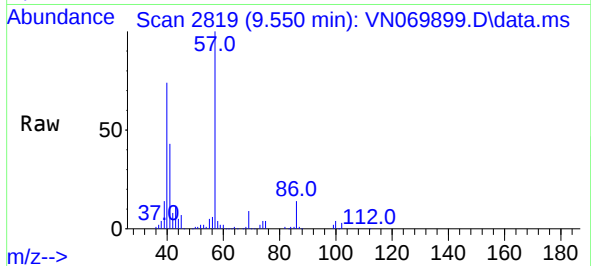




#48
Methyl methacrylate
Concen: 2.718 ug/l
RT: 9.550 min Scan# 218
Delta R.T. -0.011 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

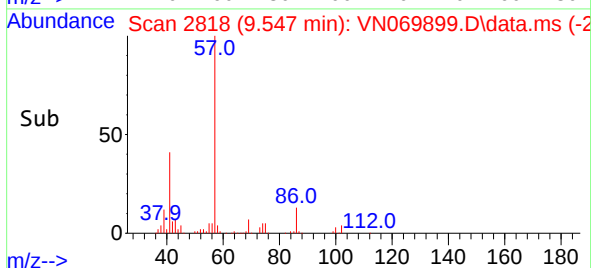
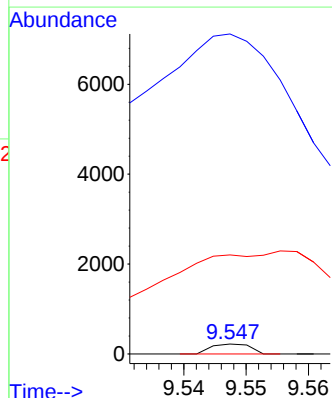
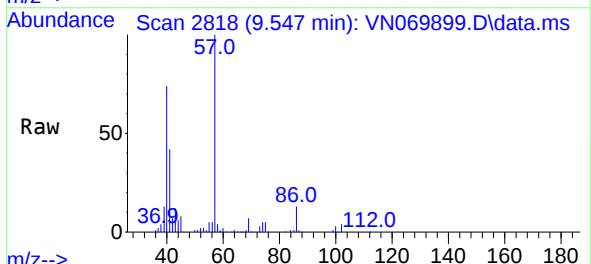
Instrument : MSVOA_N
ClientSampleId : WHITE-CONCRETE-COMP-EXTERIOR

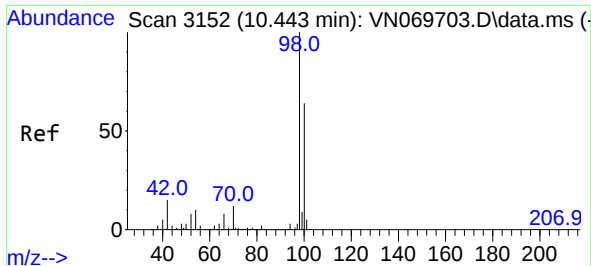
Tgt Ion: 41 Resp: 61821
Ion Ratio Lower Upper
41 100
69 24.3 72.4 108.6#
39 38.5 58.4 87.6#



#49
1,4-Dioxane
Concen: 0.235 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.024 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

Tgt Ion: 88 Resp: 96
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 6035.4 50.6 75.8#

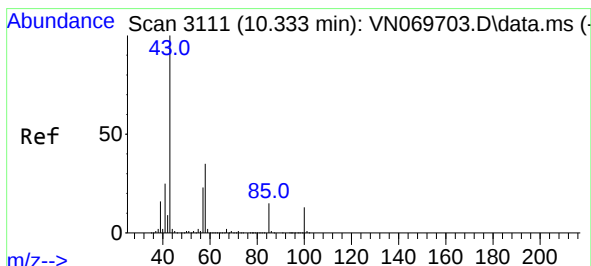
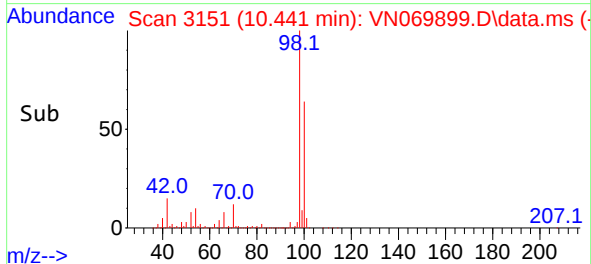
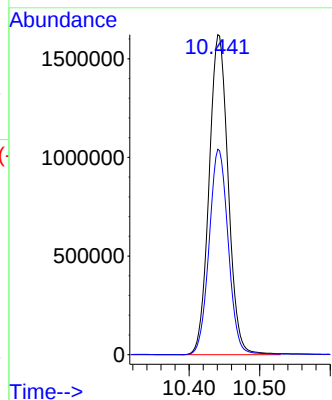
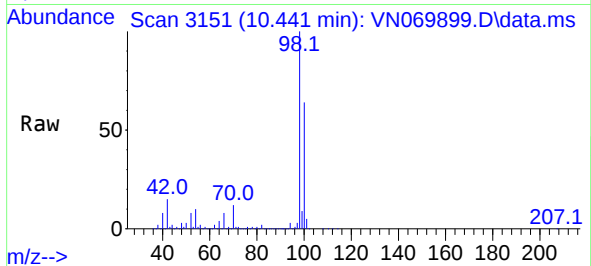




#50
Toluene-d8
Concen: 52.299 ug/l
RT: 10.441 min Scan# 3152
Delta R.T. -0.002 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

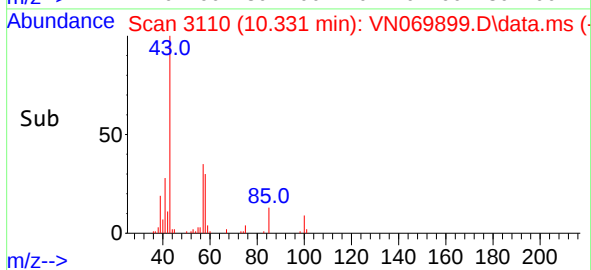
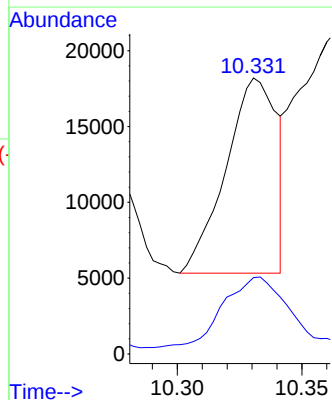
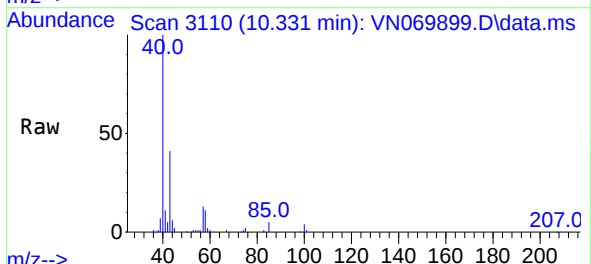
Instrument :
MSVOA_N
ClientSampleId :
WHITE-CONCRETE-COMP-EXTERIOR

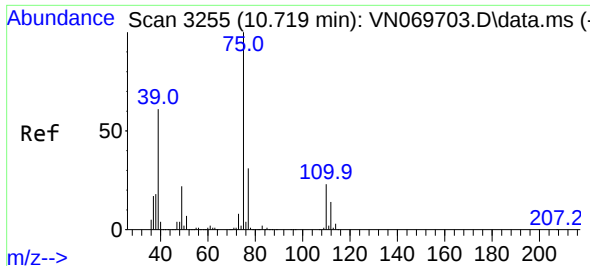
Tgt Ion: 98 Resp: 3057463
Ion Ratio Lower Upper
98 100
100 64.2 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.580 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. -0.002 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

Tgt Ion: 43 Resp: 18340
Ion Ratio Lower Upper
43 100
58 53.8 30.4 45.6#

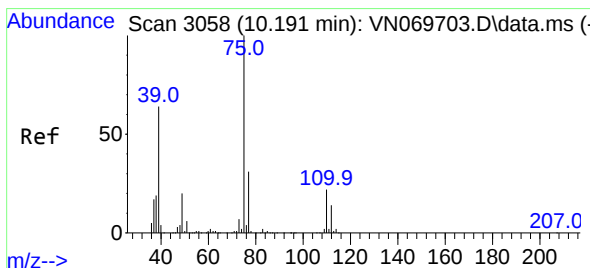
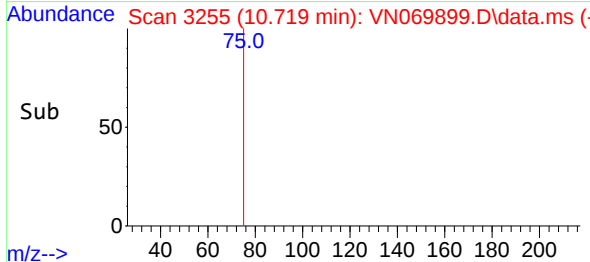
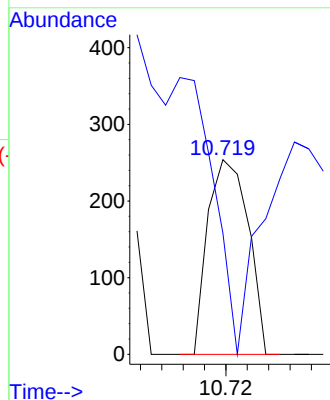
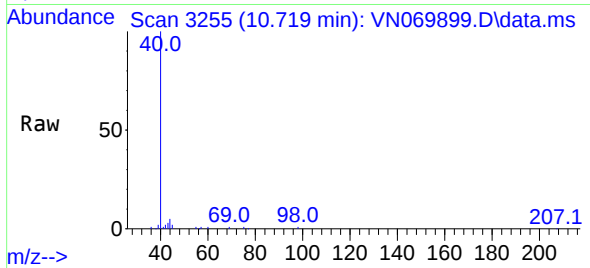




#53
t-1,3-Dichloropropene
Concen: 2.799 ug/l
RT: 10.719 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

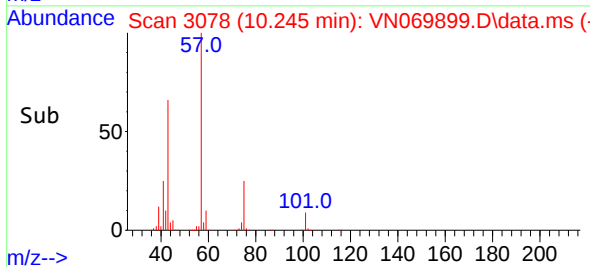
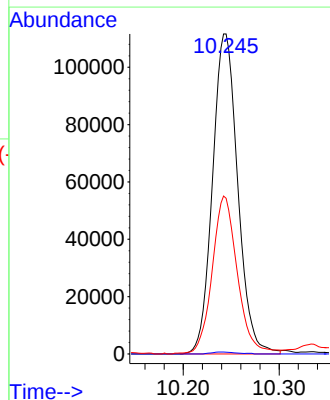
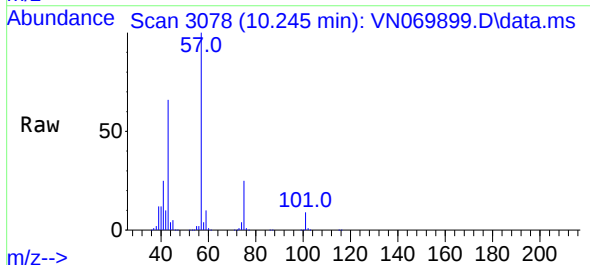
Instrument :
MSVOA_N
ClientSampleId :
WHITE-CONCRETE-COMP-EXTERIOR

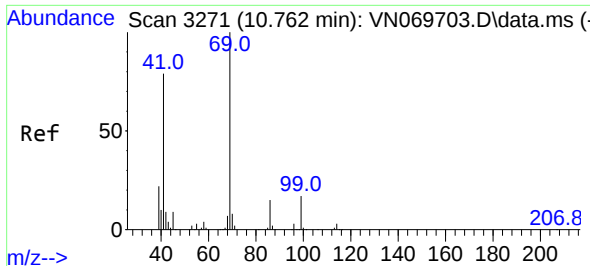
Tgt Ion: 75 Resp: 134
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 8.870 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

Tgt Ion: 75 Resp: 203797
Ion Ratio Lower Upper
75 100
77 0.6 26.4 39.6#
39 48.4 42.5 63.7

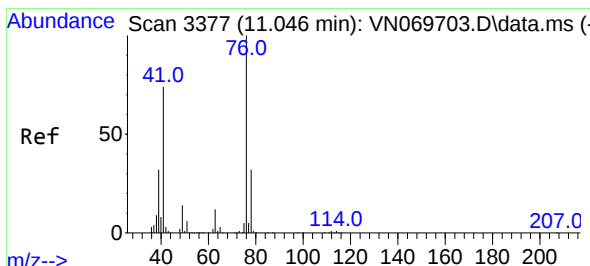
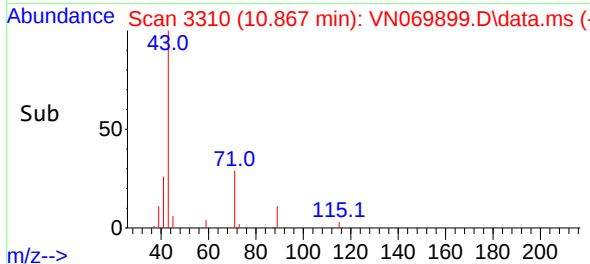
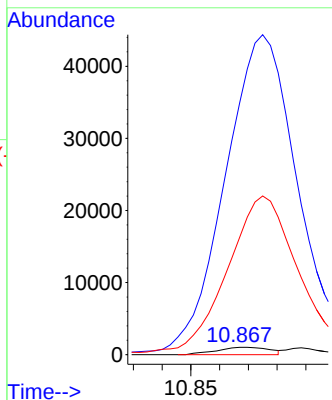
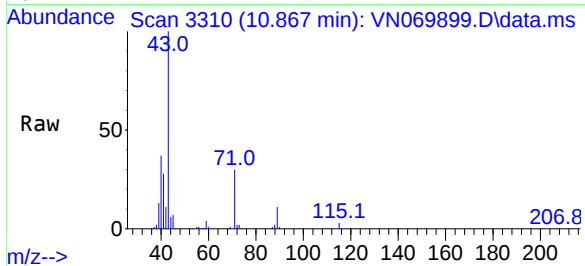




#56
Ethyl methacrylate
Concen: 2.319 ug/l
RT: 10.867 min Scan# 31
Delta R.T. 0.105 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

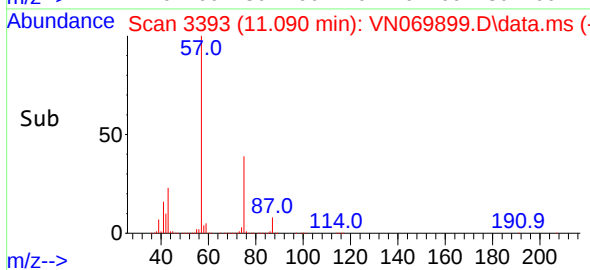
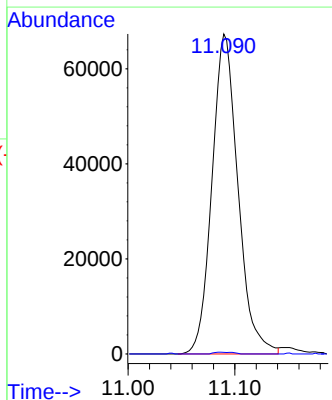
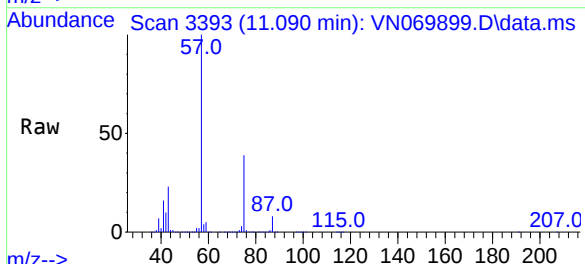
Instrument :
MSVOA_N
ClientSampleId :
WHITE-CONCRETE-COMP-EXTERIOR

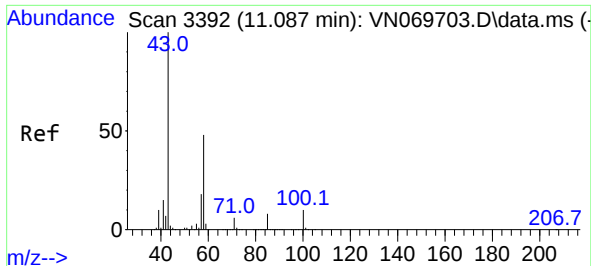
Tgt Ion: 69 Resp: 1323
Ion Ratio Lower Upper
69 100
41 5933.3 51.4 77.0#
39 2859.0 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 3.882 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.043 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

Tgt Ion: 76 Resp: 113870
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#





#59

2-Hexanone

Concen: 87.198 ug/l

RT: 11.090 min Scan# 31

Delta R.T. 0.003 min

Lab File: VN069899.D

Acq: 9 Dec 2021 8:09

Instrument :

MSVOA_N

ClientSampleId :

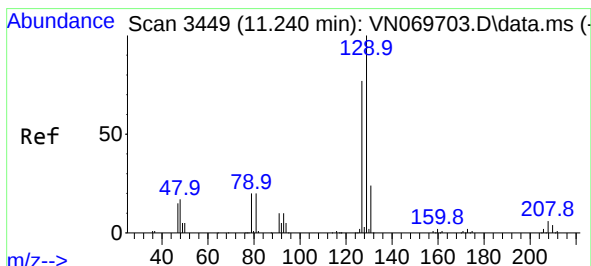
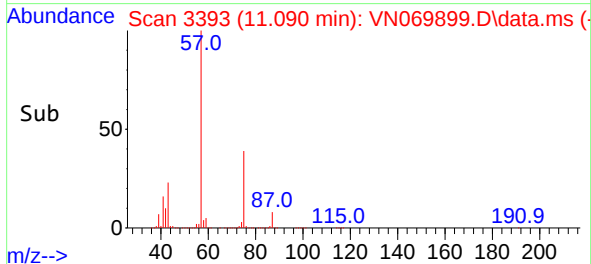
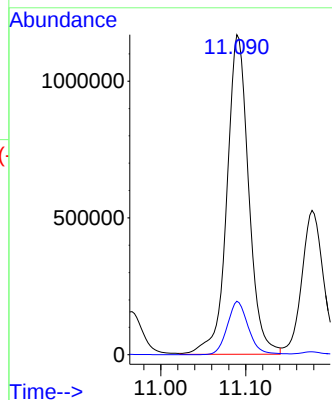
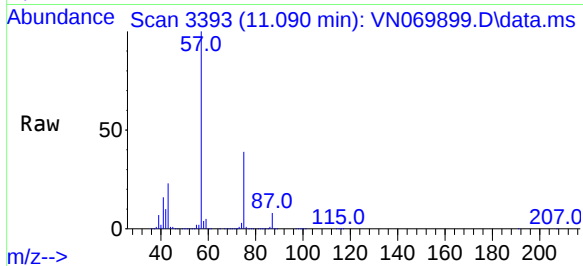
WHITE-CONCRETE-COMP-EXTERIOR

Tgt Ion: 43 Resp: 2085518

Ion Ratio Lower Upper

43 100

58 16.2 26.9 80.7#



#60

Dibromochloromethane

Concen: 2.438 ug/l

RT: 11.489 min Scan# 3542

Delta R.T. 0.249 min

Lab File: VN069899.D

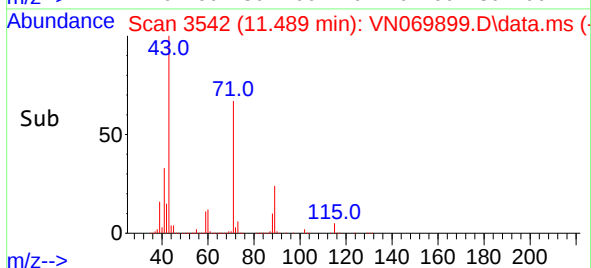
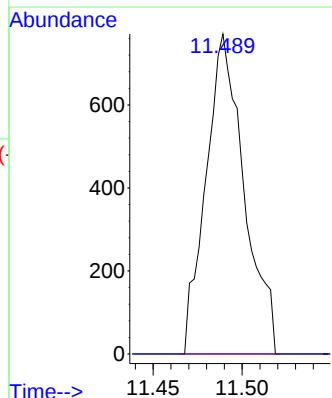
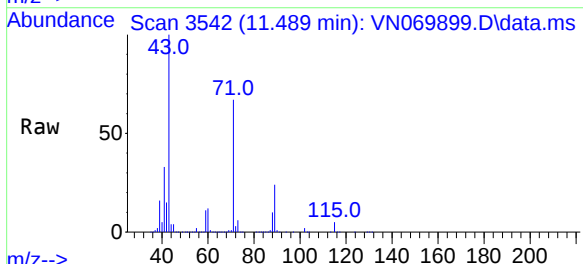
Acq: 9 Dec 2021 8:09

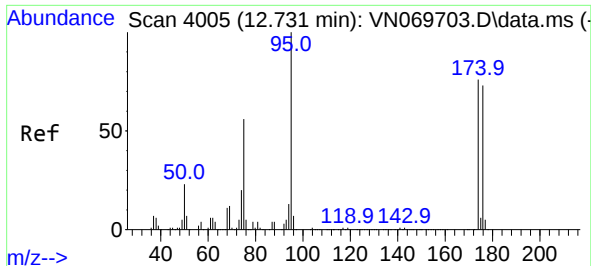
Tgt Ion:129 Resp: 1153

Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#

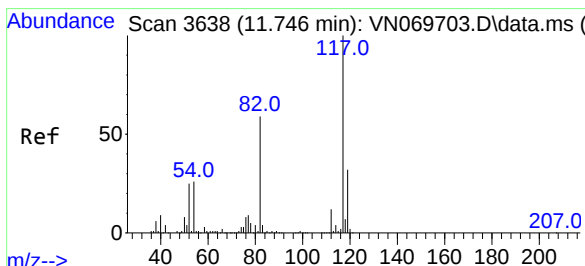
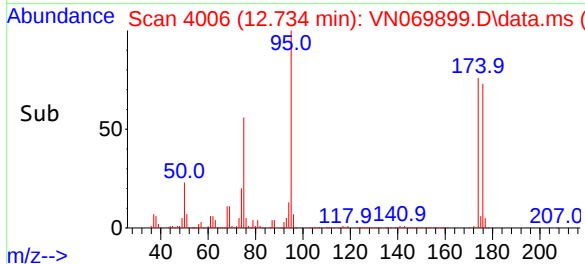
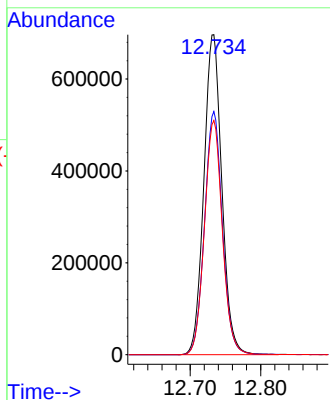
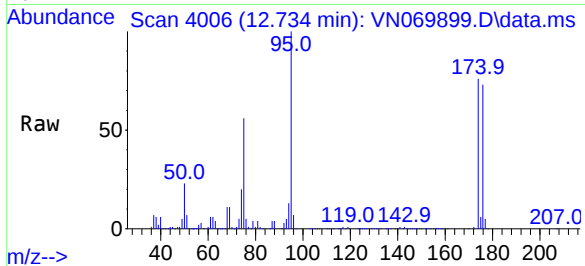




#62
4-Bromofluorobenzene
Concen: 58.209 ug/l
RT: 12.734 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

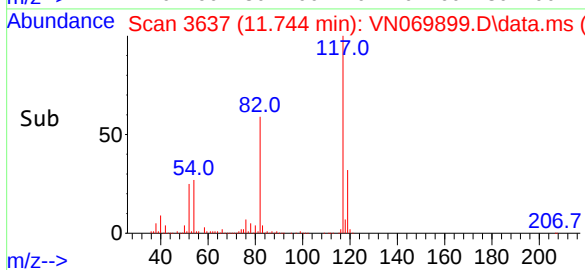
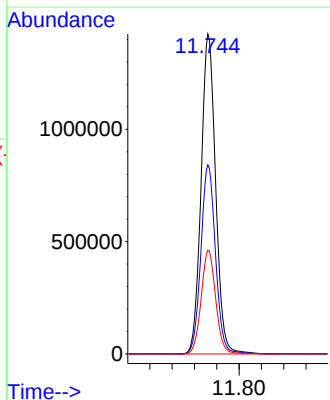
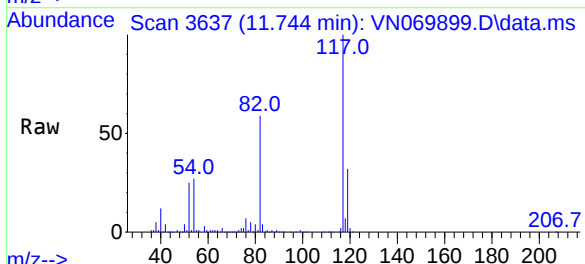
Instrument :
MSVOA_N
ClientSampleId :
WHITE-CONCRETE-COMP-EXTERIOR

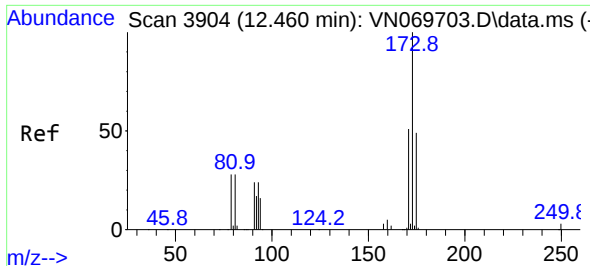
Tgt Ion: 95 Resp: 1232809
Ion Ratio Lower Upper
95 100
174 75.6 0.0 187.2
176 73.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

Tgt Ion: 117 Resp: 2581233
Ion Ratio Lower Upper
117 100
82 59.1 42.4 63.6
119 32.5 25.4 38.2

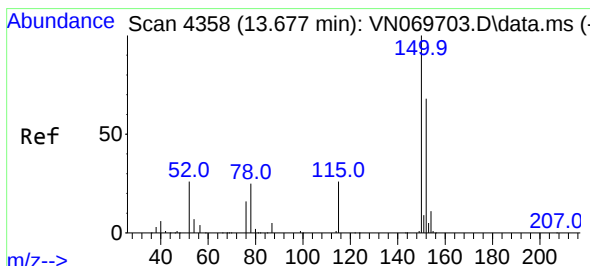
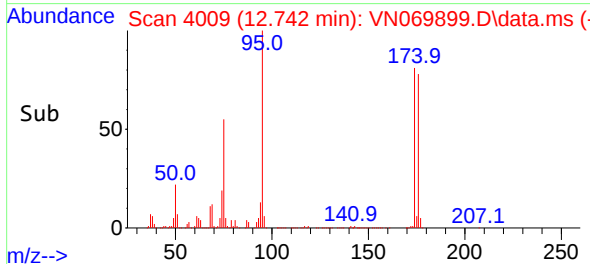
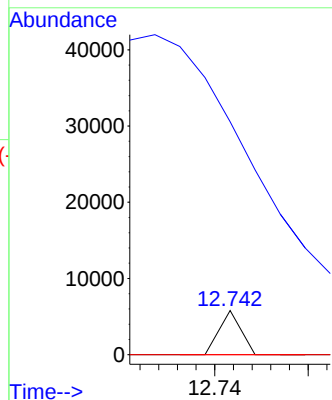
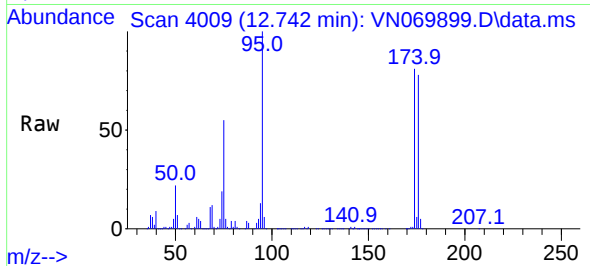




#71
Bromoform
Concen: 2.787 ug/l
RT: 12.742 min Scan# 4009
Delta R.T. 0.282 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

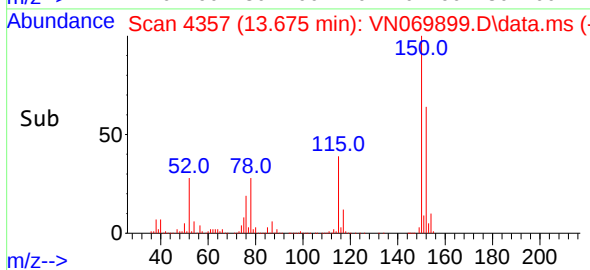
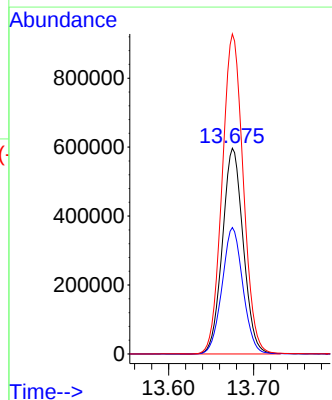
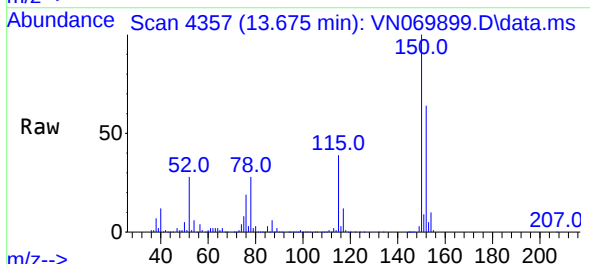
Instrument :
MSVOA_N
ClientSampleId :
WHITE-CONCRETE-COMP-EXTERIOR

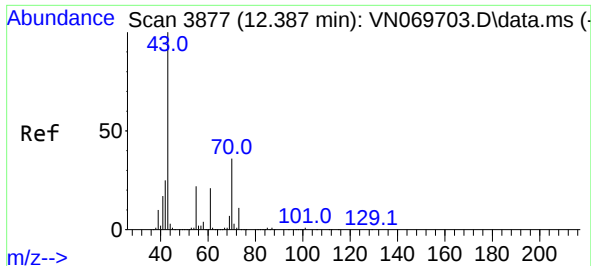
Tgt Ion:173 Resp: 933
Ion Ratio Lower Upper
173 100
175 7475.9 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

Tgt Ion:152 Resp: 1017160
Ion Ratio Lower Upper
152 100
115 61.6 27.5 82.5
150 157.8 0.0 344.4

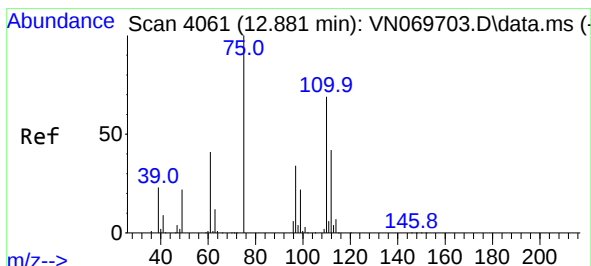
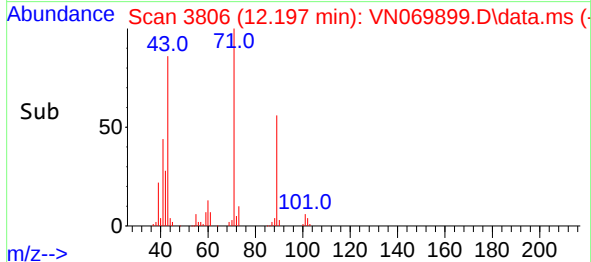
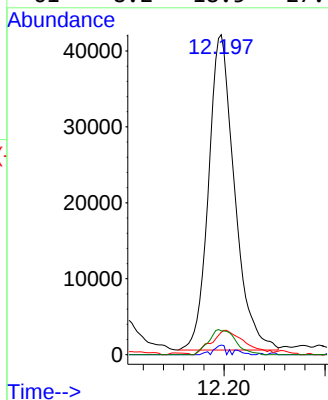
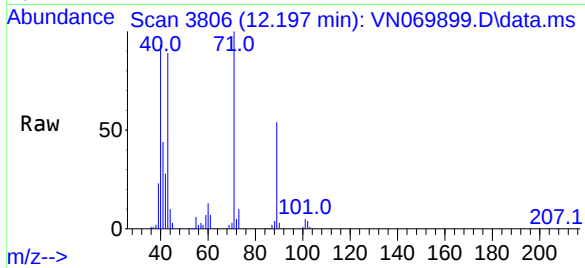




#74
N-amy1 acetate
Concen: 1.856 ug/l
RT: 12.197 min Scan# 31
Delta R.T. -0.190 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

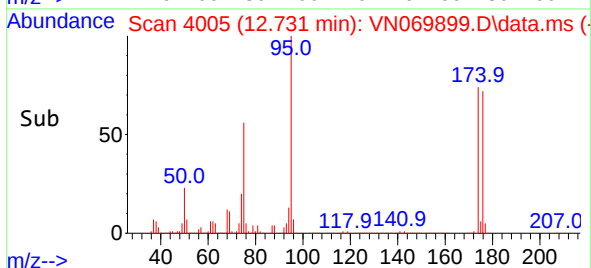
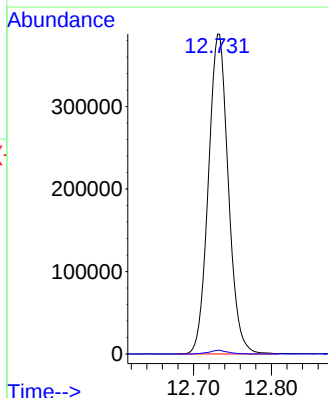
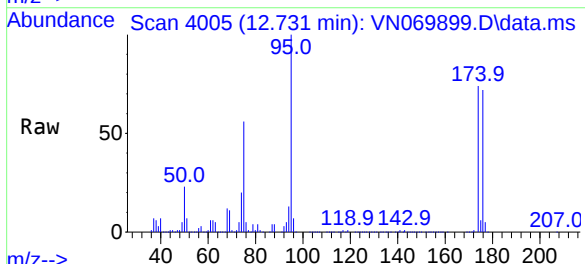
Instrument : MSVOA_N
ClientSampleId : WHITE-CONCRETE-COMP-EXTERIOR

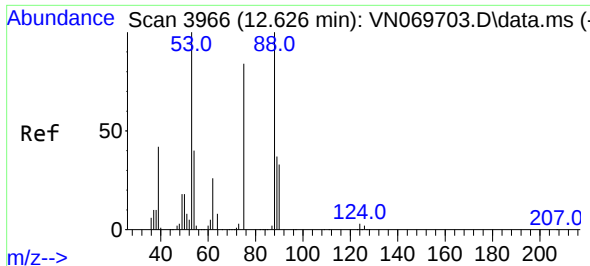
Tgt Ion: 43	Resp: 74288
Ion Ratio	Lower Upper
43 100	
70 1.4	33.4 50.0#
55 9.9	19.3 28.9#
61 8.2	18.5 27.7#



#76
1,2,3-Trichloropropane
Concen: 23.628 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

Tgt Ion: 75	Resp: 689218
Ion Ratio	Lower Upper
75 100	
77 1.1	82.6 247.8#

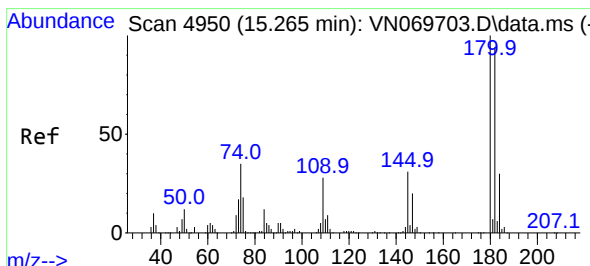
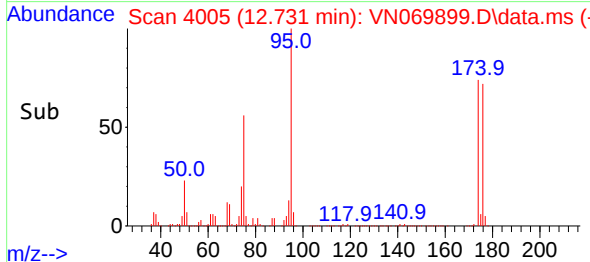
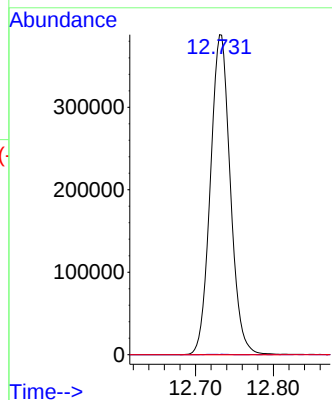
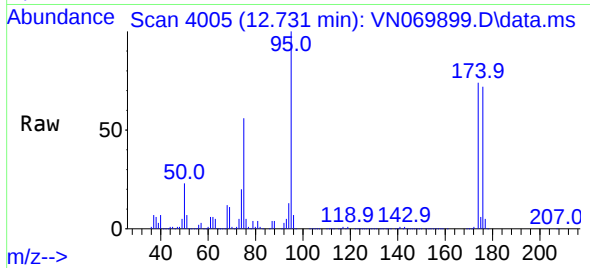




#81
trans-1,4-Dichloro-2-butene
Concen: 75.111 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

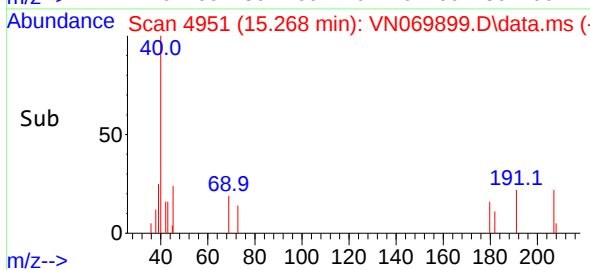
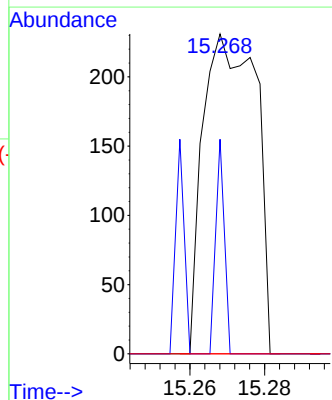
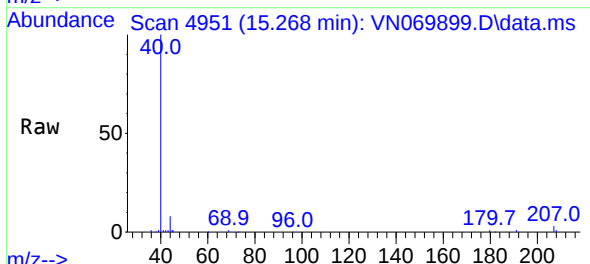
Instrument :
MSVOA_N
ClientSampleId :
WHITE-CONCRETE-COMP-EXTERIOR

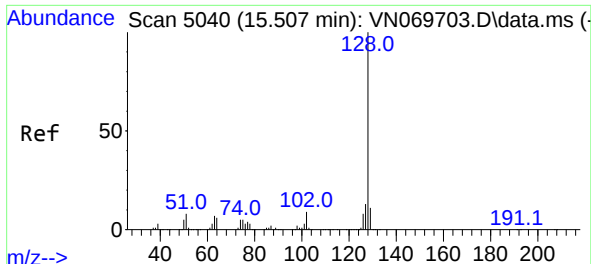
Tgt Ion: 75 Resp: 689218
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.891 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

Tgt Ion:180 Resp: 227
Ion Ratio Lower Upper
180 100
182 11.0 48.3 144.9#
145 0.0 14.5 43.5#

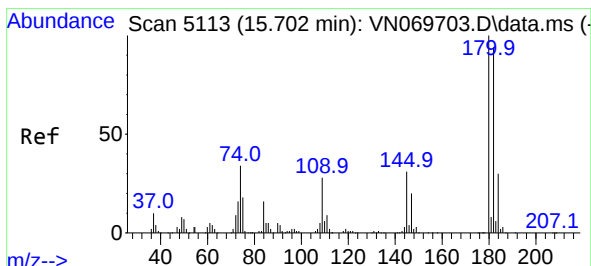
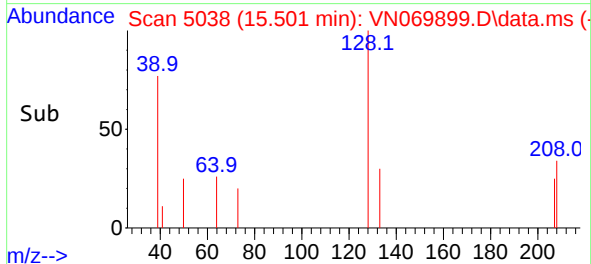
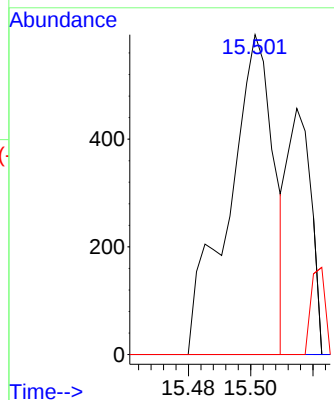
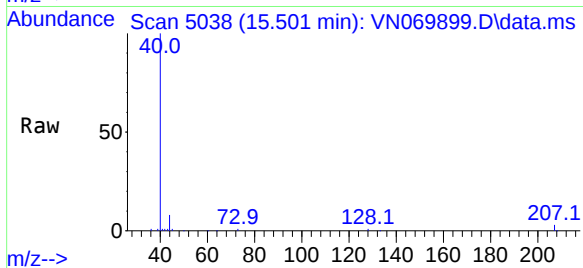




#95
Naphthalene
Concen: 3.996 ug/l
RT: 15.501 min Scan# 5040
Delta R.T. -0.006 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

Instrument :
MSVOA_N
ClientSampleId :
WHITE-CONCRETE-COMP-EXTERIOR

Tgt Ion:128 Resp: 595
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.442 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN069899.D
Acq: 9 Dec 2021 8:09

Tgt Ion:180 Resp: 113
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.2#
145 0.0 15.0 45.1#

