

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069901.D
 Acq On : 9 Dec 2021 9:00
 Operator : JC/MD
 Sample : M4965-21
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RED-WALL-CONCRETE-COMP

Quant Time: Dec 09 12:03:57 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)

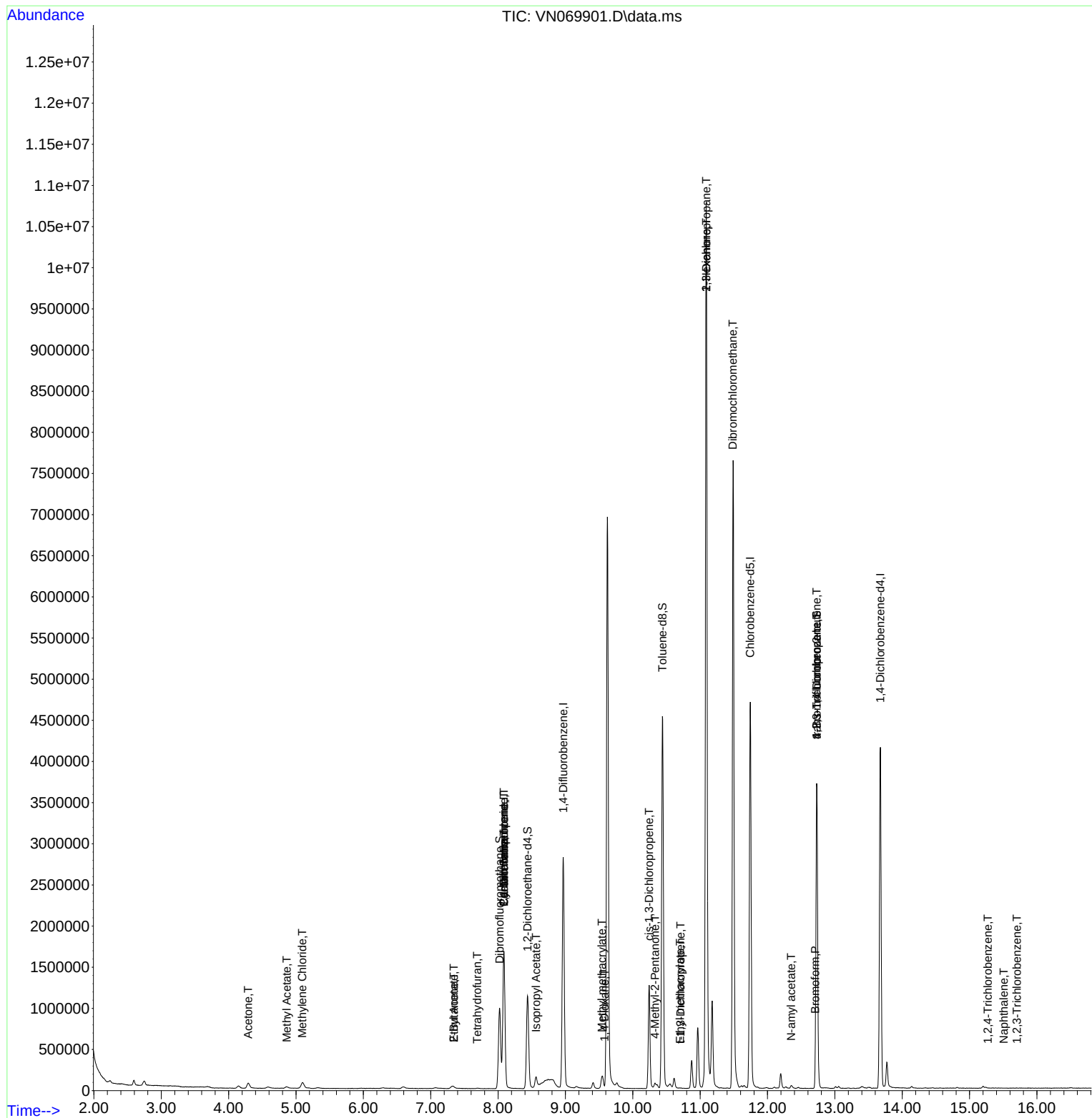
Internal Standards						
1) Pentafluorobenzene	8.086	168	1239911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2330357	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2616964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1074367	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	984449	51.423	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.840%			
35) Dibromofluoromethane	8.021	113	717496	49.154	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.300%			
50) Toluene-d8	10.440	98	3097594	52.850	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.700%			
62) 4-Bromofluorobenzene	12.731	95	1261233	59.398	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 118.800%			
Target Compounds					Qvalue	
16) Acetone	4.291	43	119763	10.400	ug/l	89
18) Methyl Acetate	4.862	43	36423	1.048	ug/l	92
20) Methylene Chloride	5.093	84	48989	3.200	ug/l #	81
25) 2-Butanone	7.343	43	24520	1.567	ug/l	90
29) Tetrahydrofuran	7.689	42	2076	0.218	ug/l #	53
31) Cyclohexane	8.086	56	33311	1.250	ug/l #	23
36) 1,1-Dichloropropene	8.086	75	105581	4.759	ug/l #	49
37) Ethyl Acetate	7.343	43	24520	0.743	ug/l #	70
38) Carbon Tetrachloride	8.086	117	128165	5.891	ug/l #	17
43) Isopropyl Acetate	8.563	43	172560	3.532	ug/l #	82
48) Methyl methacrylate	9.542	41	49402	2.166	ug/l #	23
49) 1,4-Dioxane	9.579	88	132	0.323	ug/l #	27
51) 4-Methyl-2-Pentanone	10.330	43	36597	1.155	ug/l	98
53) t-1,3-Dichloropropene	10.709	75	63	2.796	ug/l #	70
54) cis-1,3-Dichloropropene	10.242	75	202107	8.796	ug/l #	73
56) Ethyl methacrylate	10.701	69	873	2.306	ug/l #	24
57) 1,3-Dichloropropane	11.089	76	106633	3.626	ug/l #	43
59) 2-Hexanone	11.089	43	1959228	81.707	ug/l #	47
60) Dibromochloromethane	11.486	129	1068	2.433	ug/l #	11
71) Bromoform	12.707	173	370	2.753	ug/l #	29
74) N-amyl acetate	12.353	43	28216	0.667	ug/l #	47
76) 1,2,3-Trichloropropane	12.731	75	712282	23.118	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	712282	73.579	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.271	180	52	2.881	ug/l #	1
95) Naphthalene	15.507	128	987	4.002	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.702	180	216	2.448	ug/l #	62

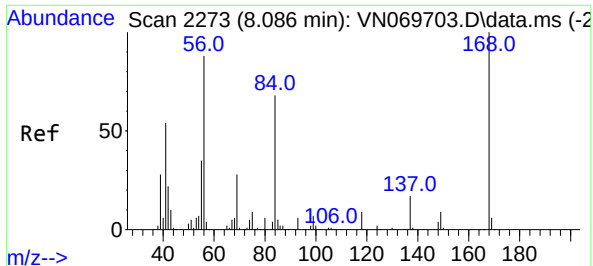
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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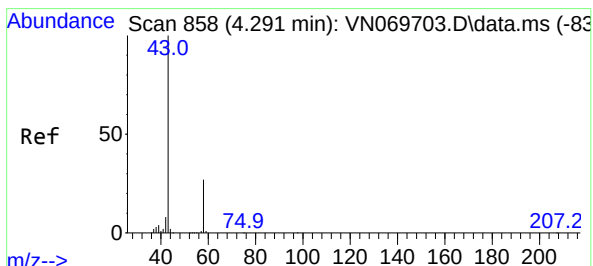
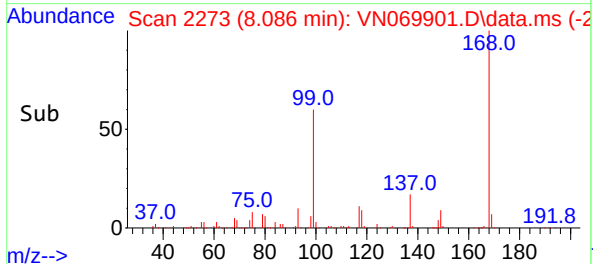
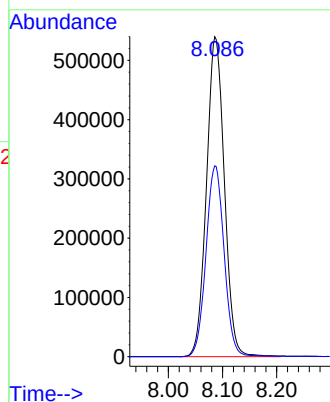
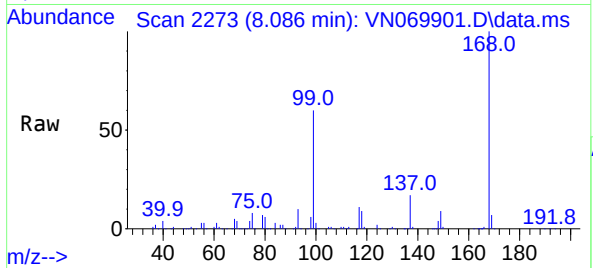




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

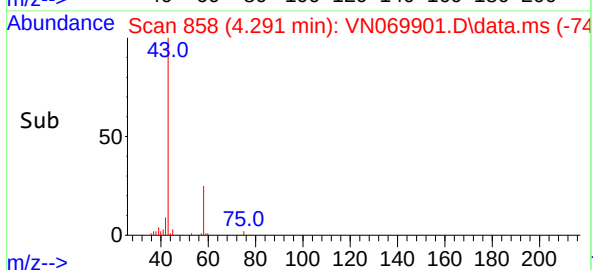
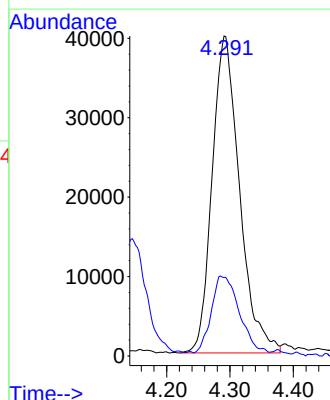
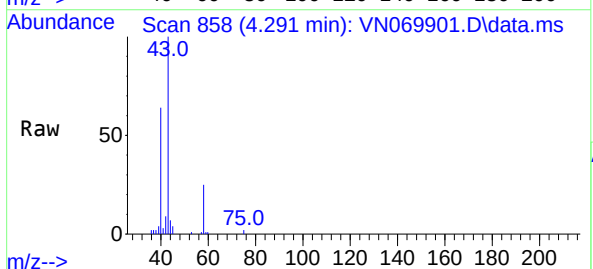
Instrument :
MSVOA_N
ClientSampleId :
RED-WALL-CONCRETE-COMP

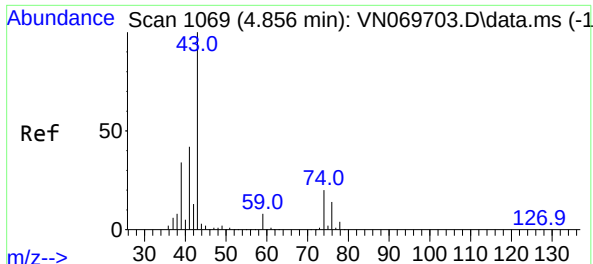
Tgt Ion:168 Resp: 1239911
Ion Ratio Lower Upper
168 100
99 59.6 41.3 61.9



#16
Acetone
Concen: 10.400 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

Tgt Ion: 43 Resp: 119763
Ion Ratio Lower Upper
43 100
58 23.3 23.1 34.7





#18

Methyl Acetate

Concen: 1.048 ug/l

RT: 4.862 min Scan# 1069

Delta R.T. 0.005 min

Lab File: VN069901.D

Acq: 9 Dec 2021 9:00

Instrument :

MSVOA_N

ClientSampleId :

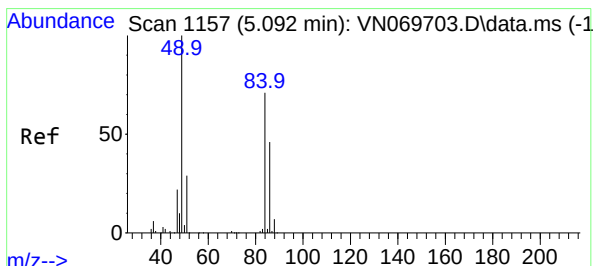
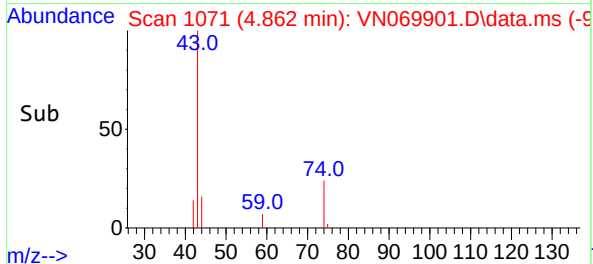
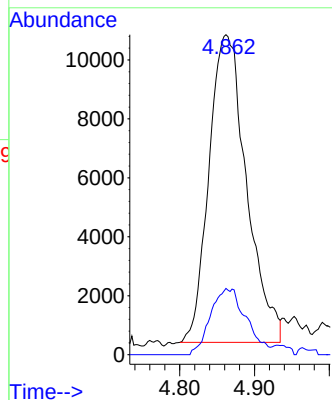
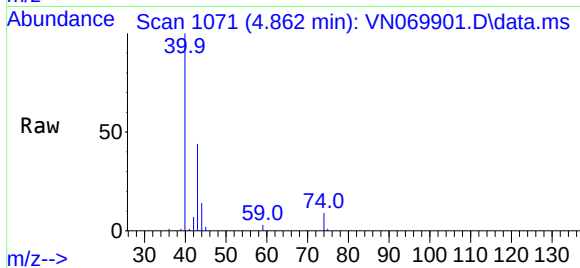
RED-WALL-CONCRETE-COMP

Tgt Ion: 43 Resp: 36423

Ion Ratio Lower Upper

43 100

74 20.4 19.4 29.2



#20

Methylene Chloride

Concen: 3.200 ug/l

RT: 5.093 min Scan# 1157

Delta R.T. 0.000 min

Lab File: VN069901.D

Acq: 9 Dec 2021 9:00

Tgt Ion: 84 Resp: 48989

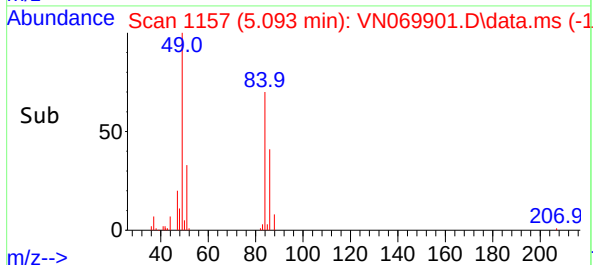
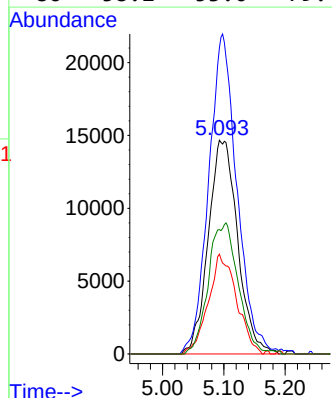
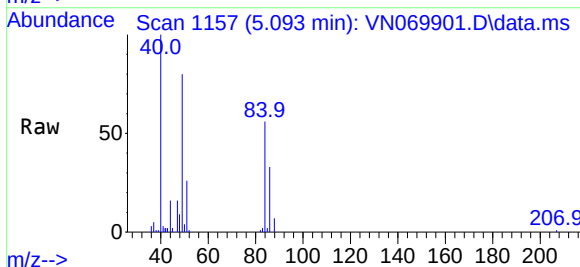
Ion Ratio Lower Upper

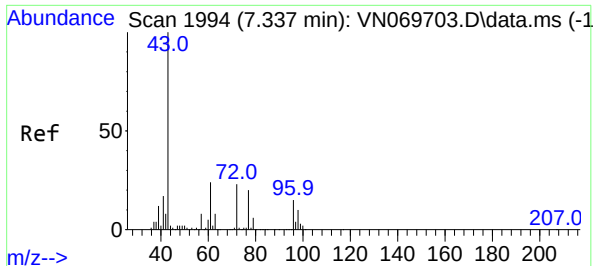
84 100

49 143.1 93.5 140.3#

51 46.7 29.4 44.2#

86 58.2 53.0 79.4

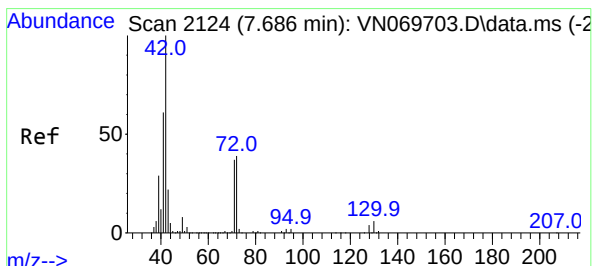
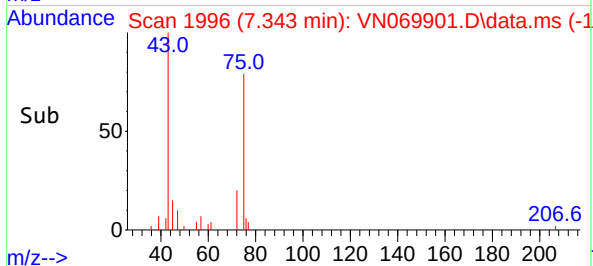
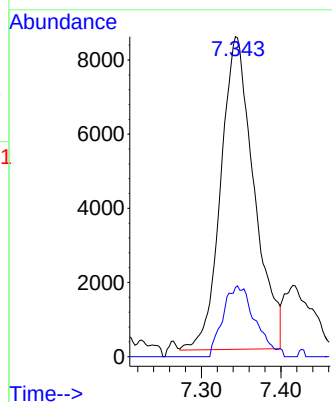
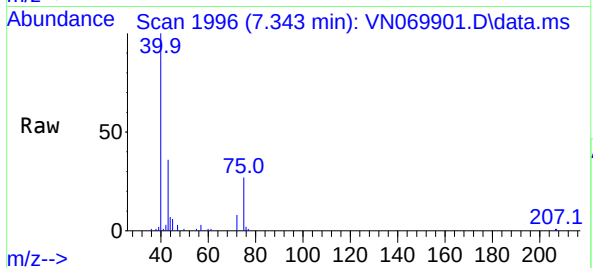




#25
2-Butanone
Concen: 1.567 ug/l
RT: 7.343 min Scan# 1994
Delta R.T. 0.005 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

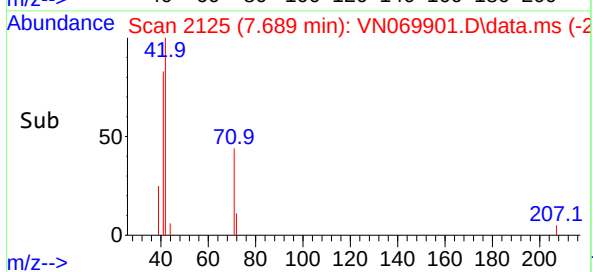
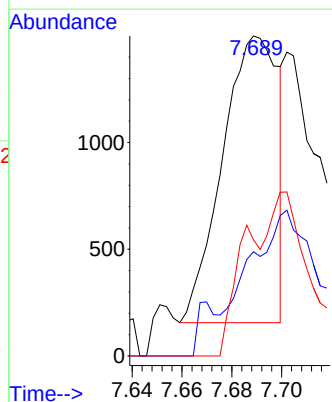
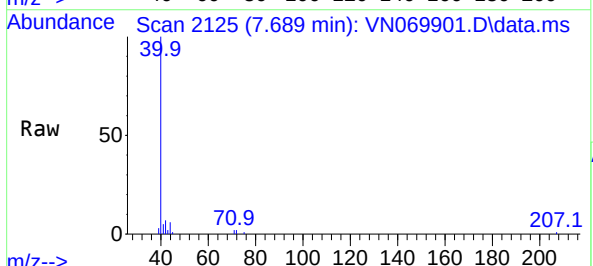
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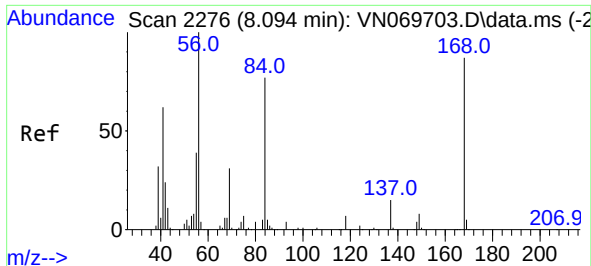
Tgt Ion: 43 Resp: 24520
Ion Ratio Lower Upper
43 100
72 22.2 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.218 ug/l
RT: 7.689 min Scan# 2125
Delta R.T. 0.003 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

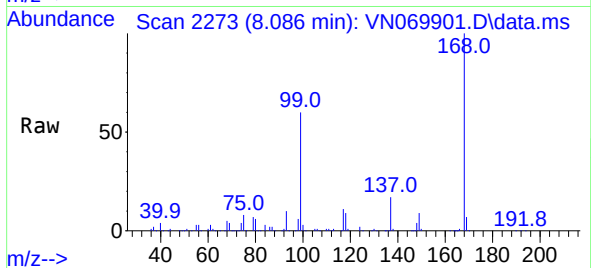
Tgt Ion: 42 Resp: 2076
Ion Ratio Lower Upper
42 100
72 6.9 36.3 54.5#
71 20.9 34.7 52.1#



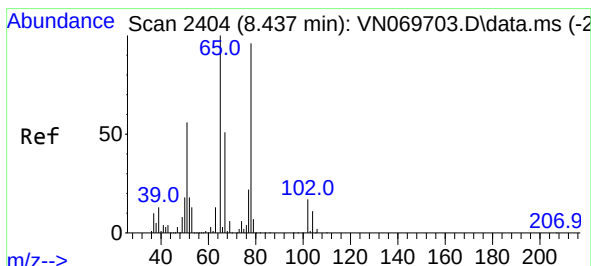
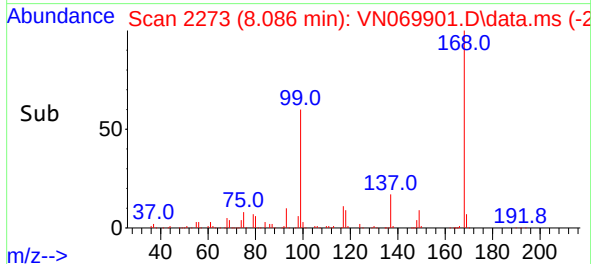
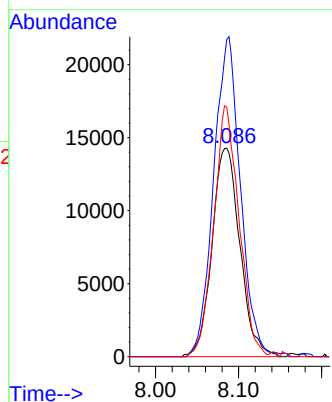


#31
Cyclohexane
Concen: 1.250 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

Instrument :
MSVOA_N
ClientSampleId :
RED-WALL-CONCRETE-COMP

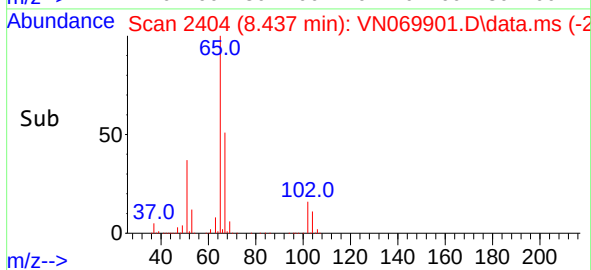
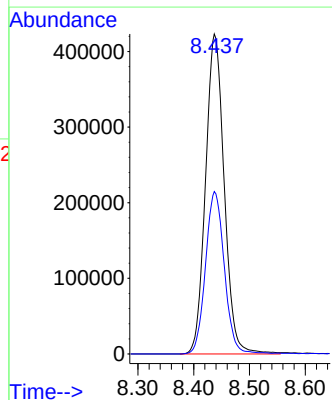
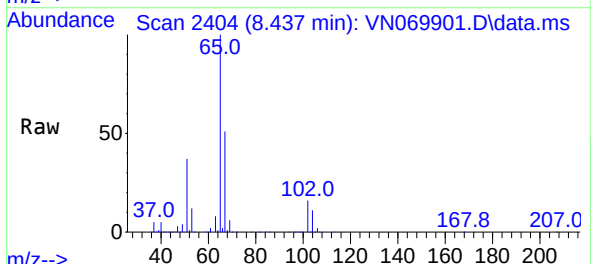


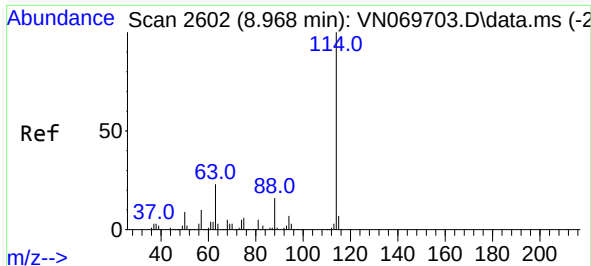
Tgt Ion: 56 Resp: 33311
Ion Ratio Lower Upper
56 100
69 152.1 27.1 40.7#
84 119.7 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 51.423 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

Tgt Ion: 65 Resp: 984449
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.0

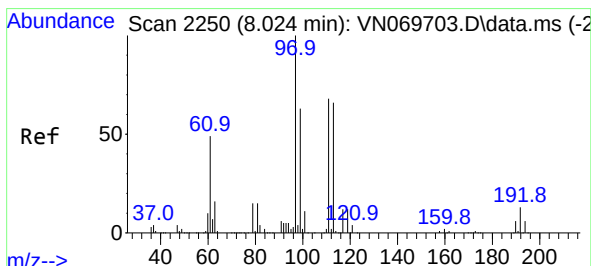
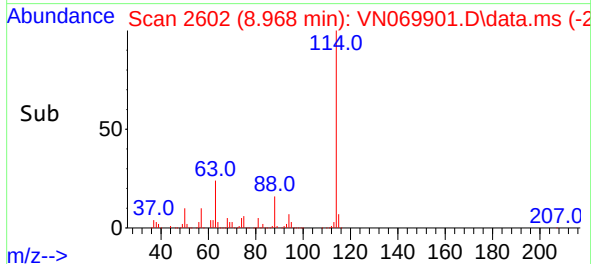
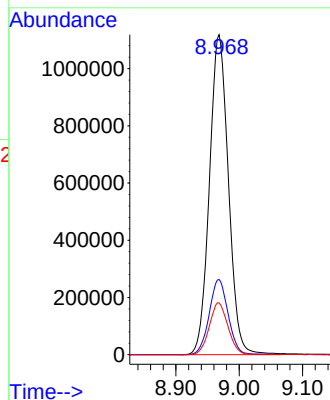
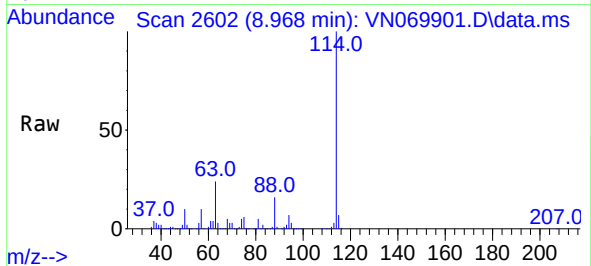




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

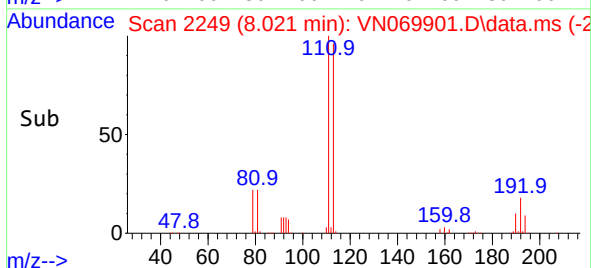
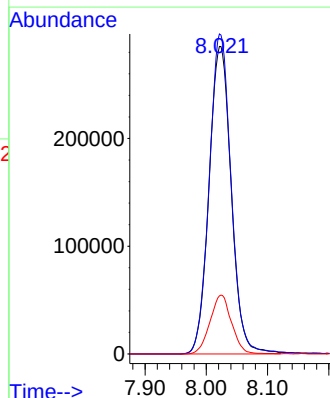
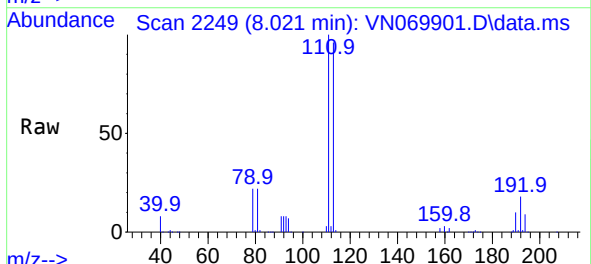
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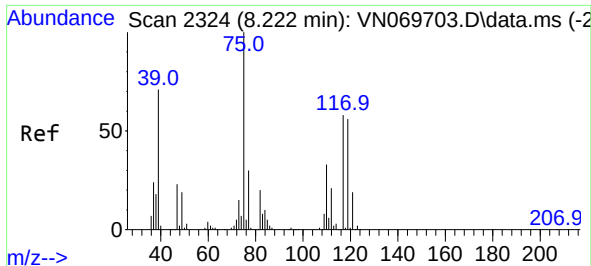
Tgt Ion:114 Resp: 2330357
Ion Ratio Lower Upper
114 100
63 23.5 0.0 37.8
88 16.2 0.0 27.4



#35
Dibromofluoromethane
Concen: 49.154 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

Tgt Ion:113 Resp: 717496
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 18.7 16.9 25.3

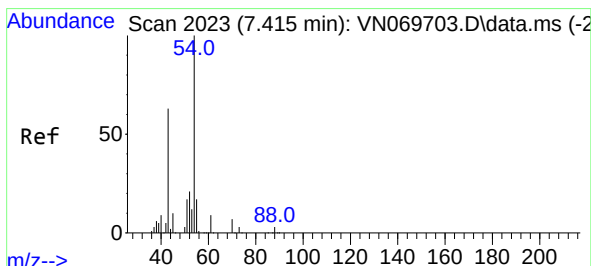
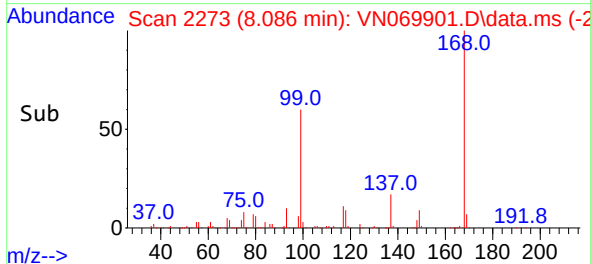
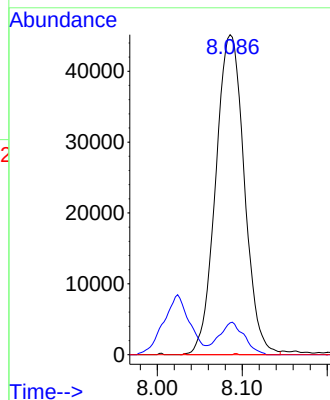
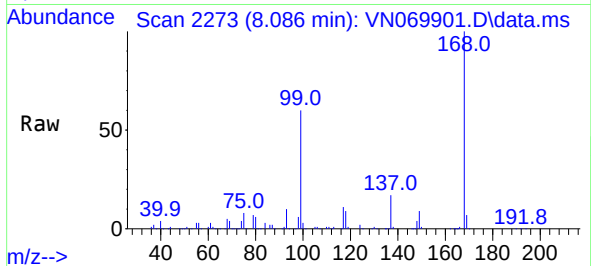




#36
1,1-Dichloropropene
Concen: 4.759 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

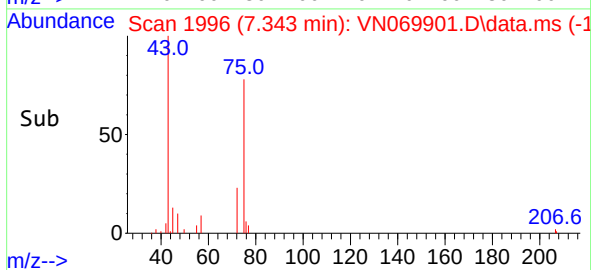
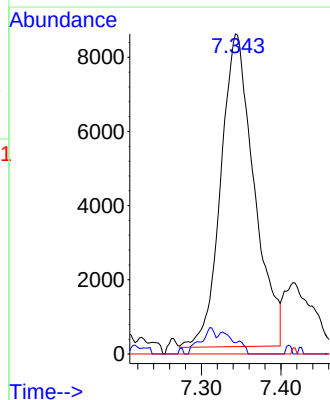
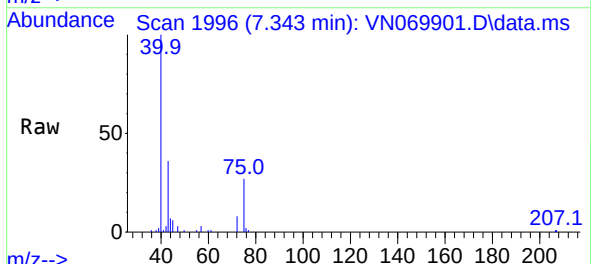
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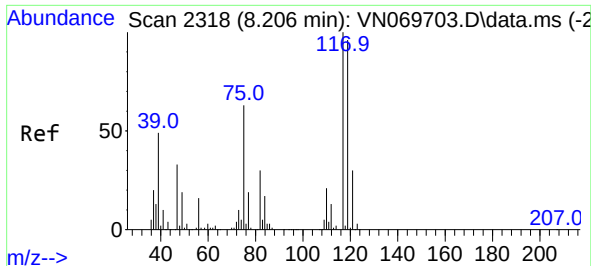
Tgt Ion: 75 Resp: 105581
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.743 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. -0.072 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

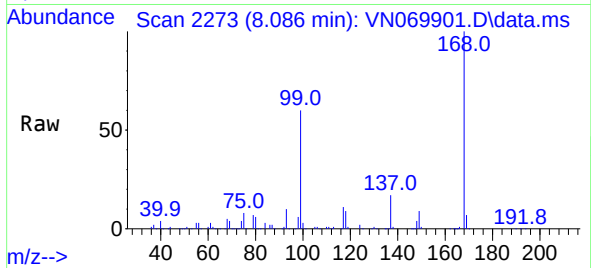
Tgt Ion: 43 Resp: 24520
Ion Ratio Lower Upper
43 100
61 1.1 11.5 17.3#
70 0.0 7.9 11.9#



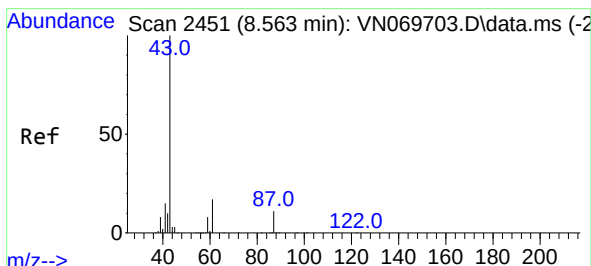
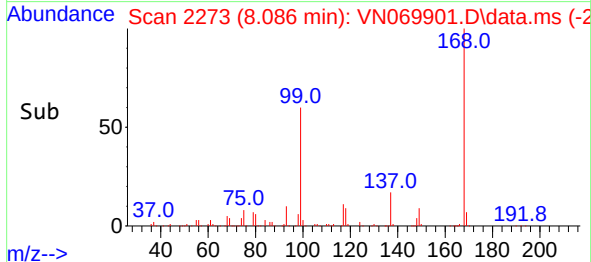
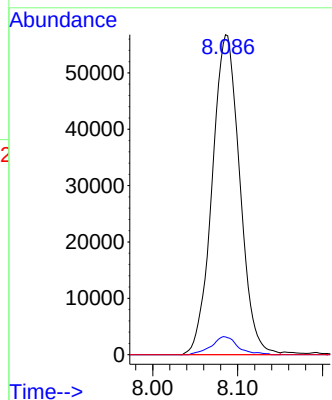


#38
Carbon Tetrachloride
Concen: 5.891 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.121 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

Instrument :
MSVOA_N
ClientSampleId :
RED-WALL-CONCRETE-COMP

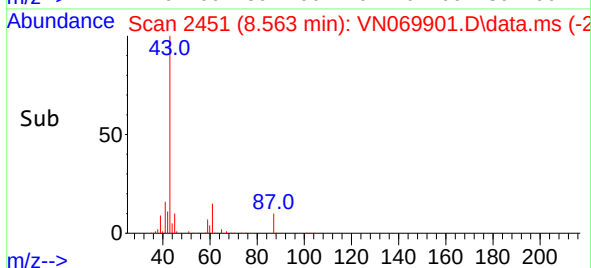
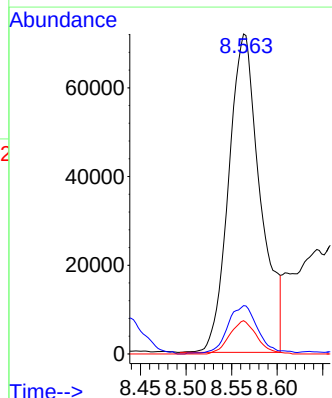
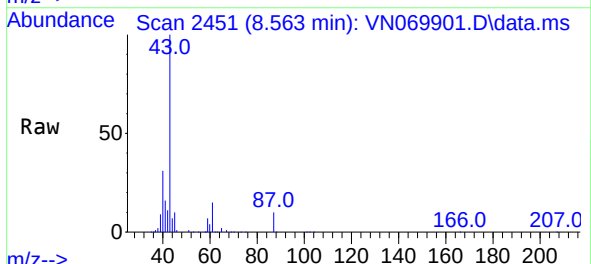


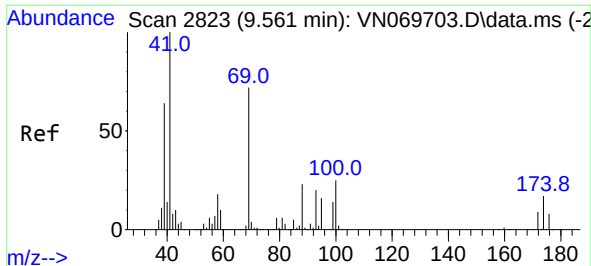
Tgt Ion:117 Resp: 128165
Ion Ratio Lower Upper
117 100
119 5.6 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.532 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

Tgt Ion: 43 Resp: 172560
Ion Ratio Lower Upper
43 100
61 14.8 20.4 30.6#
87 9.0 11.2 16.8#

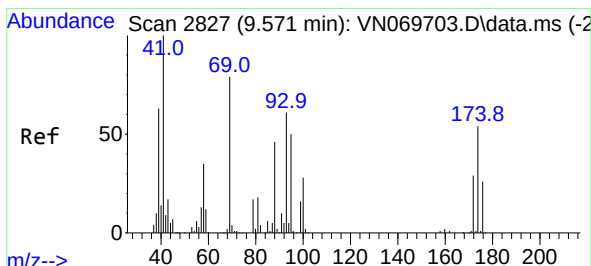
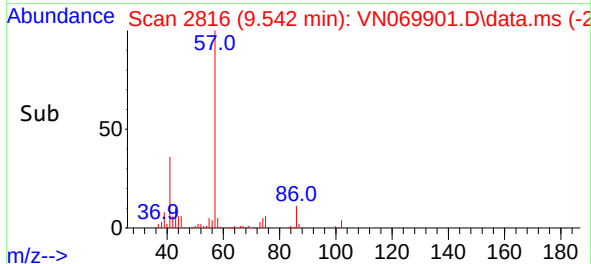
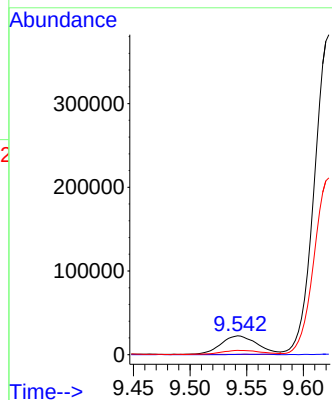
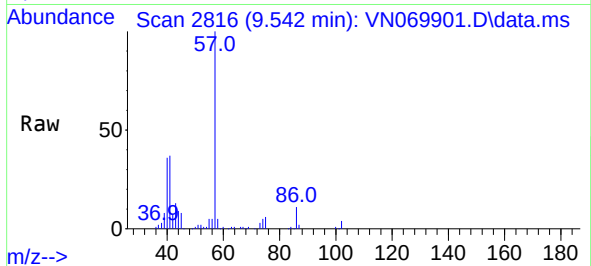




#48
Methyl methacrylate
Concen: 2.166 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.019 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

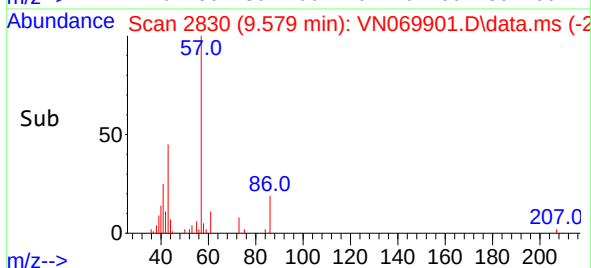
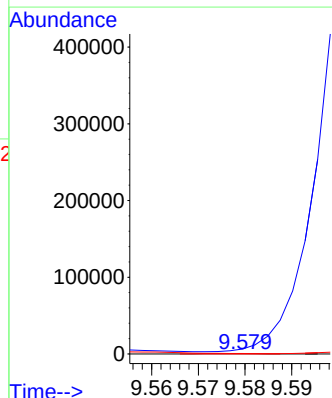
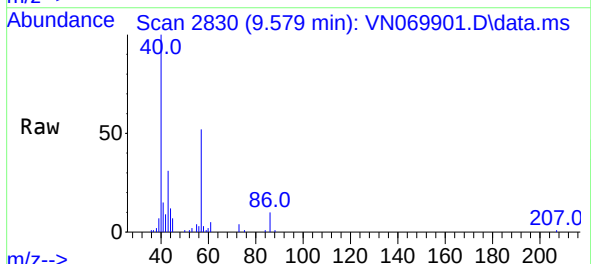
Instrument : MSVOA_N
ClientSampleId : RED-WALL-CONCRETE-COMP

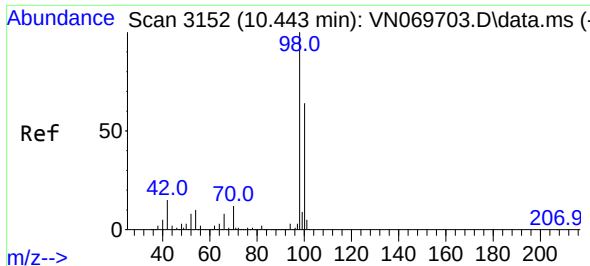
Tgt Ion: 41 Resp: 49402
Ion Ratio Lower Upper
41 100
69 1.1 72.4 108.6#
39 27.5 58.4 87.6#



#49
1,4-Dioxane
Concen: 0.323 ug/l
RT: 9.579 min Scan# 2830
Delta R.T. 0.008 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

Tgt Ion: 88 Resp: 132
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#

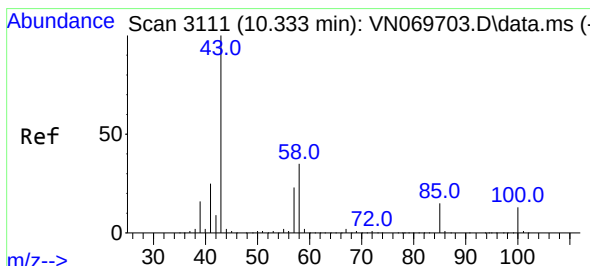
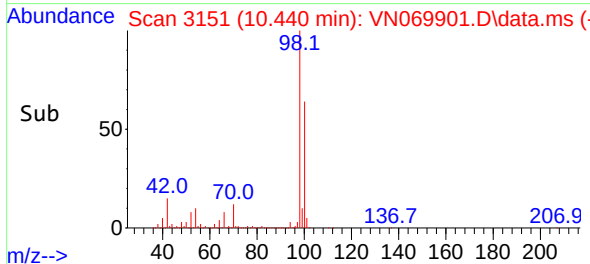
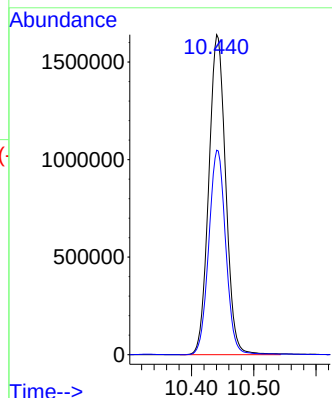
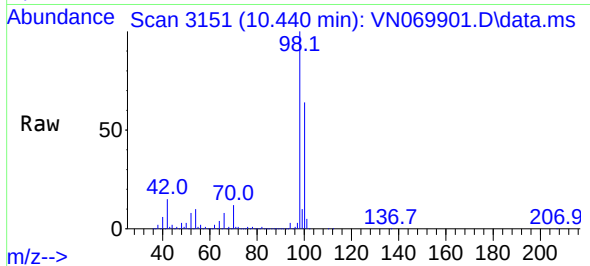




#50
Toluene-d8
Concen: 52.850 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

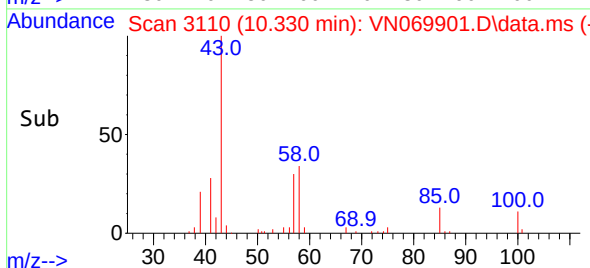
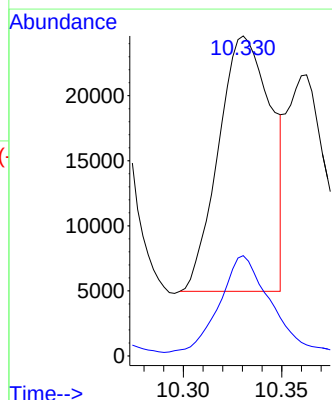
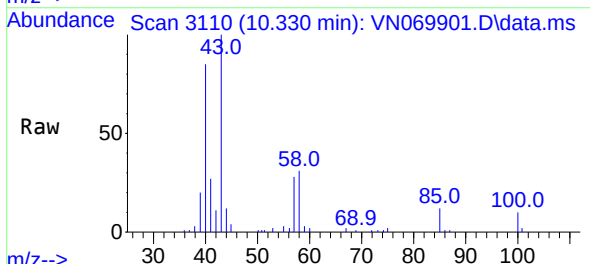
Instrument :
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ClientSampleId :
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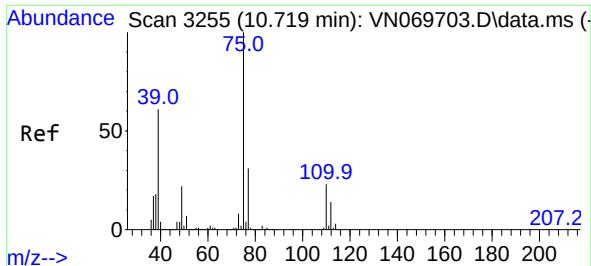
Tgt Ion: 98 Resp: 3097594
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.155 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.003 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

Tgt Ion: 43 Resp: 36597
Ion Ratio Lower Upper
43 100
58 38.9 30.4 45.6

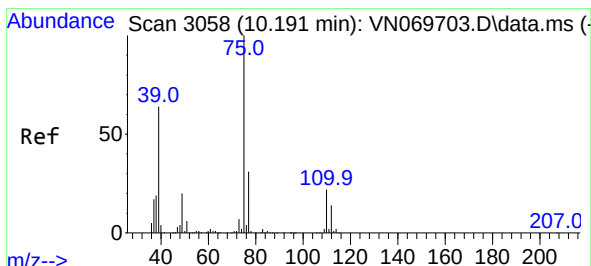
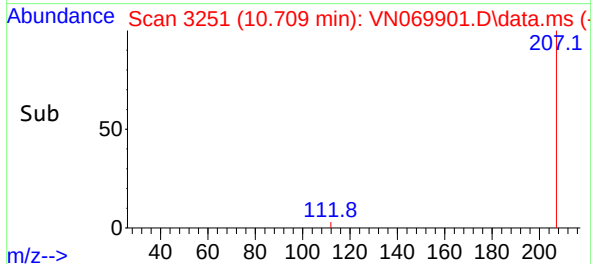
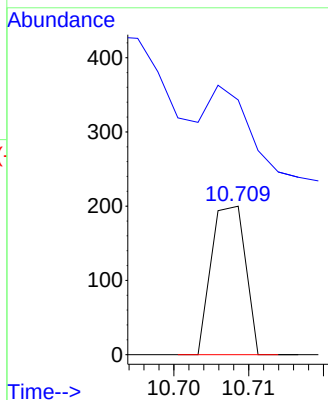
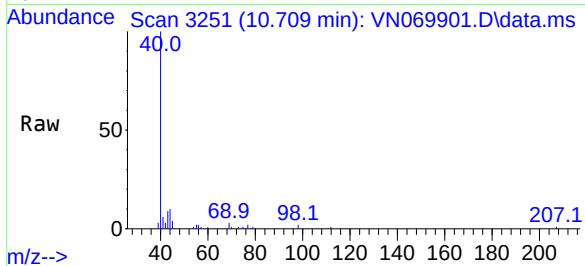




#53
t-1,3-Dichloropropene
Concen: 2.796 ug/l
RT: 10.709 min Scan# 31
Delta R.T. -0.010 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

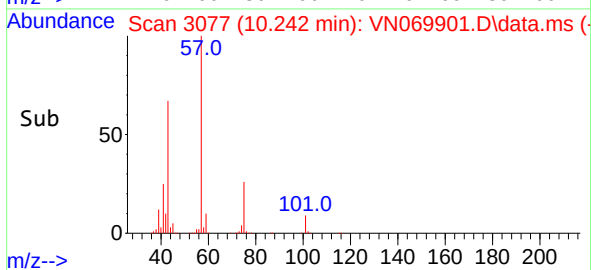
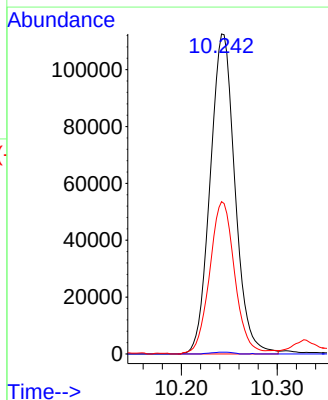
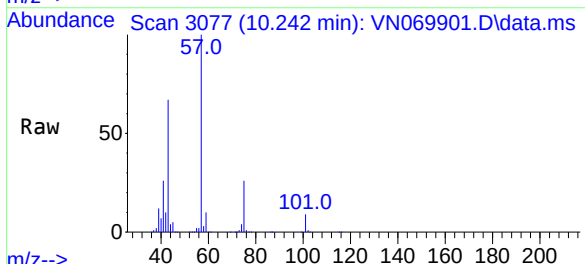
Instrument : MSVOA_N
ClientSampleId : RED-WALL-CONCRETE-COMP

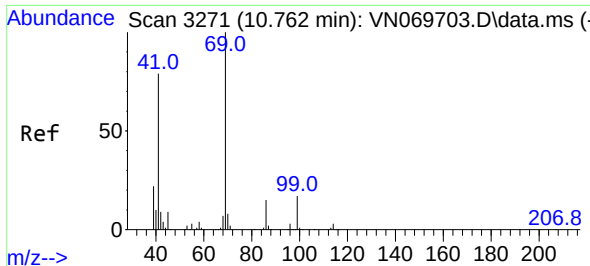
Tgt Ion: 75 Resp: 63
Ion Ratio Lower Upper
75 100
77 48.5 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 8.796 ug/l
RT: 10.242 min Scan# 3077
Delta R.T. 0.051 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

Tgt Ion: 75 Resp: 202107
Ion Ratio Lower Upper
75 100
77 0.6 26.4 39.6#
39 47.6 42.5 63.7

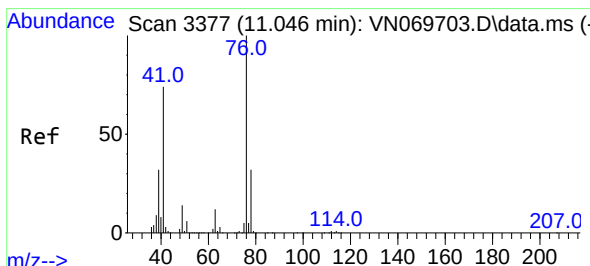
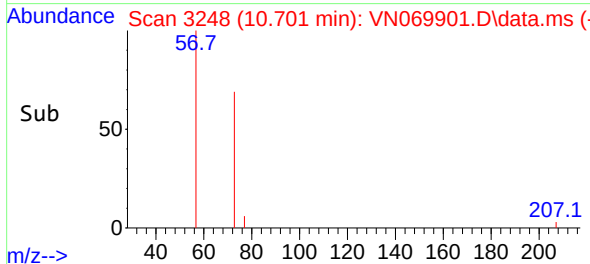
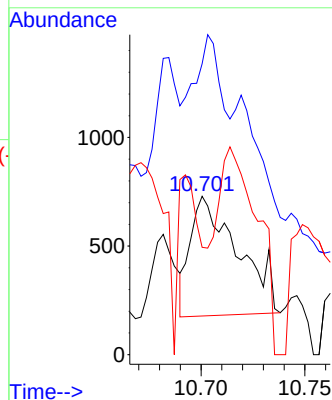
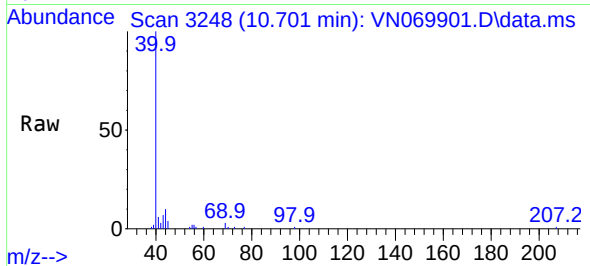




#56
Ethyl methacrylate
Concen: 2.306 ug/l
RT: 10.701 min Scan# 31
Delta R.T. -0.061 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

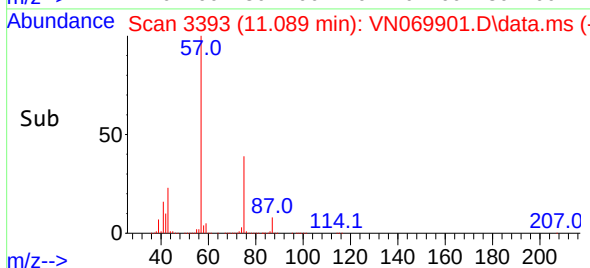
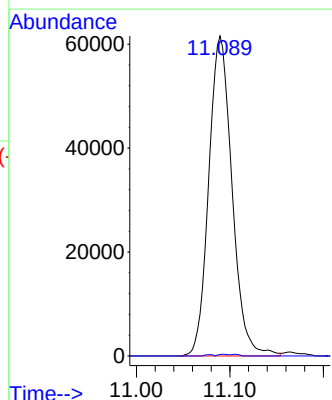
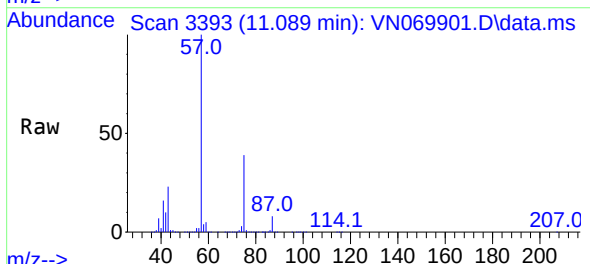
Instrument :
MSVOA_N
ClientSampleId :
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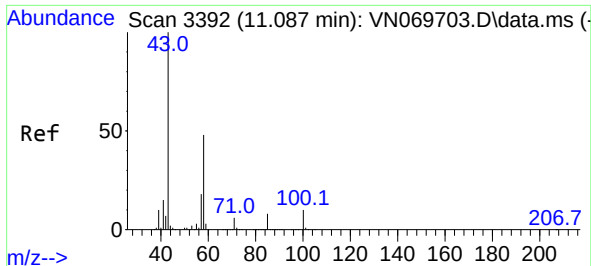
Tgt Ion: 69 Resp: 873
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 3.626 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.043 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

Tgt Ion: 76 Resp: 106633
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

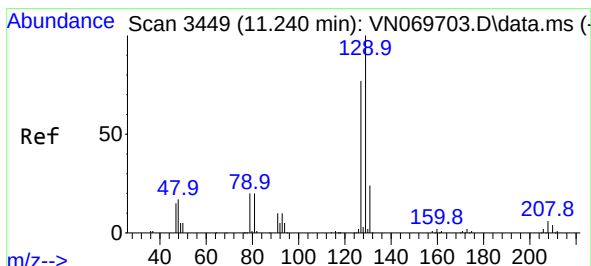
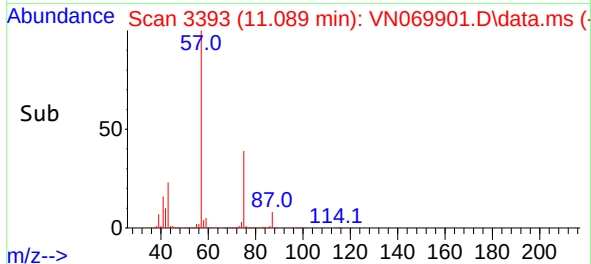
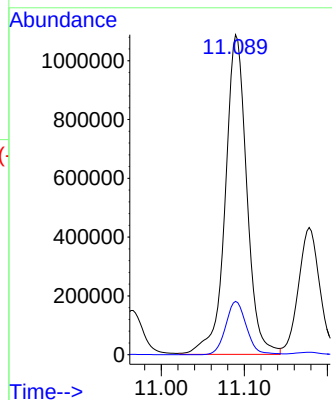
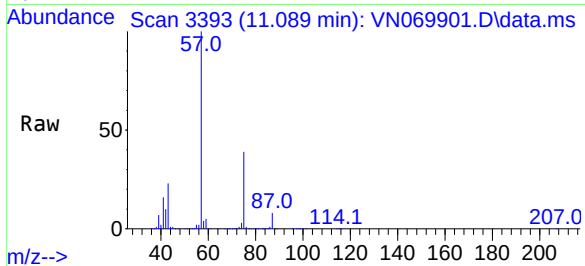




#59
2-Hexanone
Concen: 81.707 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.002 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

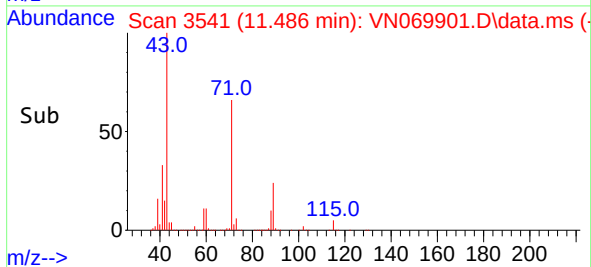
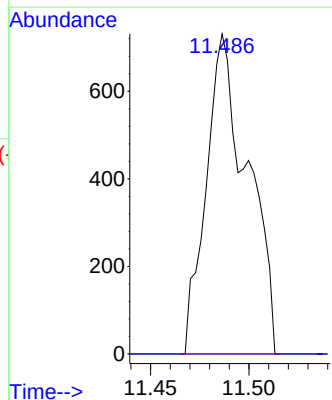
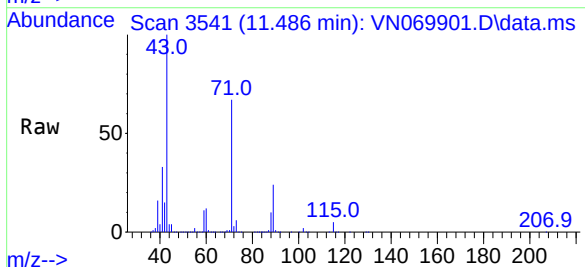
Instrument :
MSVOA_N
ClientSampleId :
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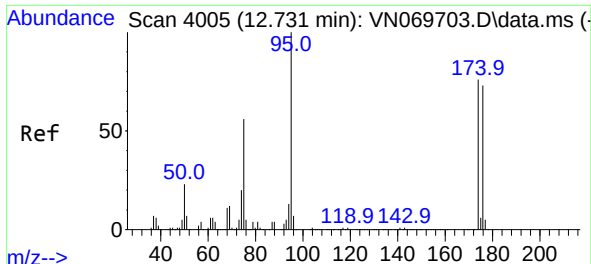
Tgt Ion: 43 Resp: 1959228
Ion Ratio Lower Upper
43 100
58 16.1 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.433 ug/l
RT: 11.486 min Scan# 3541
Delta R.T. 0.246 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

Tgt Ion:129 Resp: 1068
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

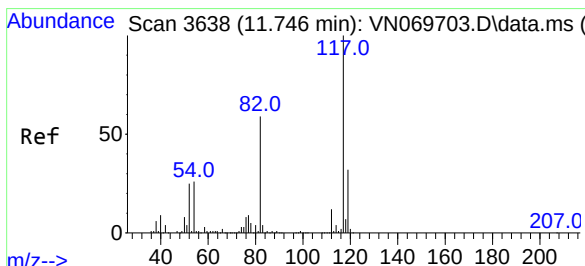
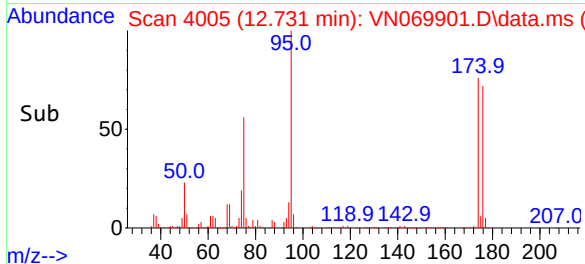
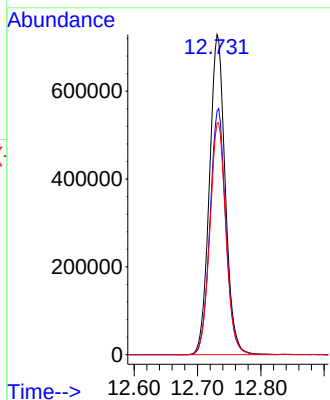
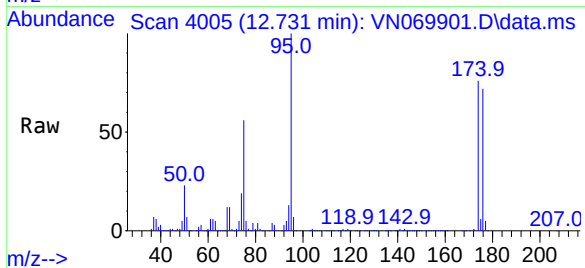




#62
4-Bromofluorobenzene
Concen: 59.398 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

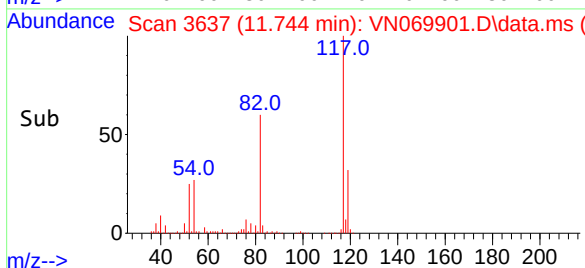
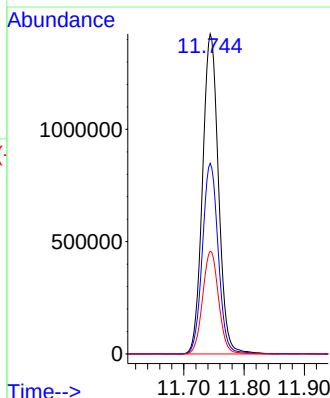
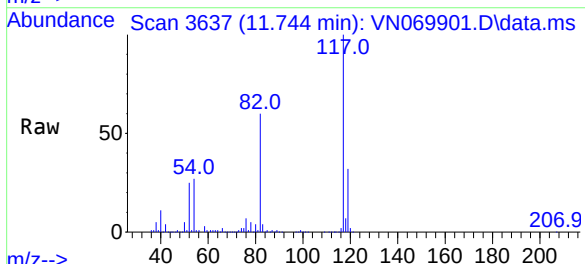
Instrument :
MSVOA_N
ClientSampleId :
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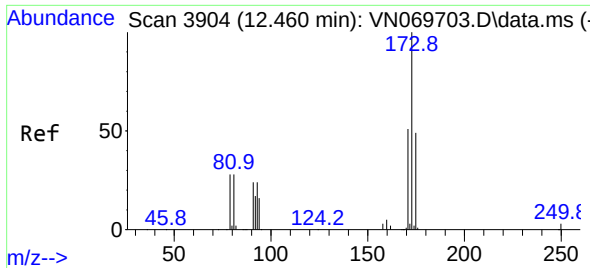
Tgt Ion: 95 Resp: 1261233
Ion Ratio Lower Upper
95 100
174 77.1 0.0 187.2
176 73.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

Tgt Ion: 117 Resp: 2616964
Ion Ratio Lower Upper
117 100
82 59.5 42.4 63.6
119 32.1 25.4 38.2

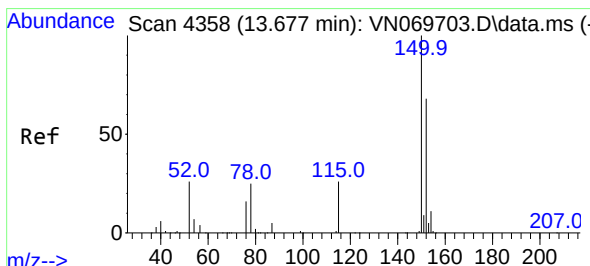
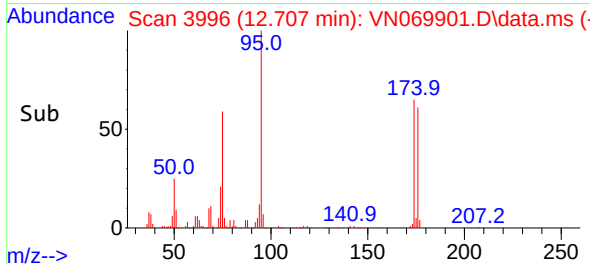
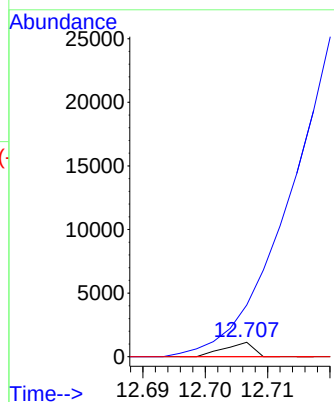
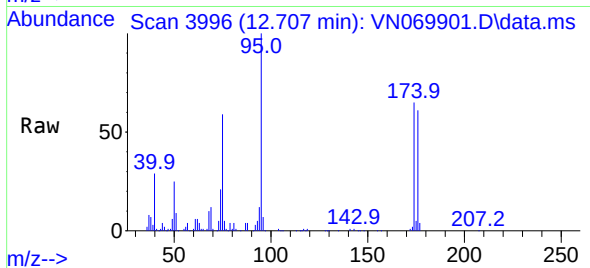




#71
Bromoform
Concen: 2.753 ug/l
RT: 12.707 min Scan# 3904
Delta R.T. 0.247 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

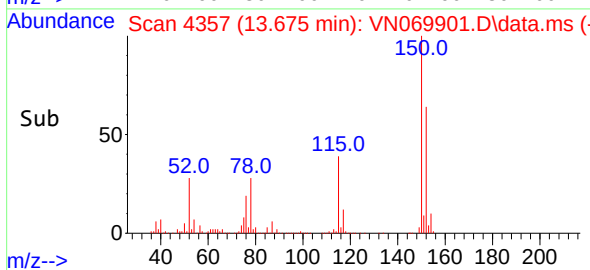
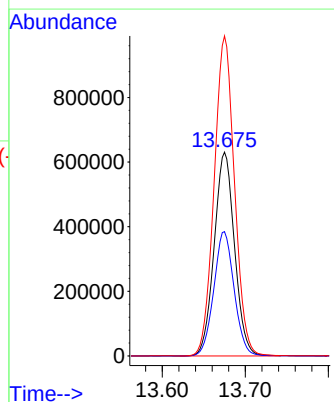
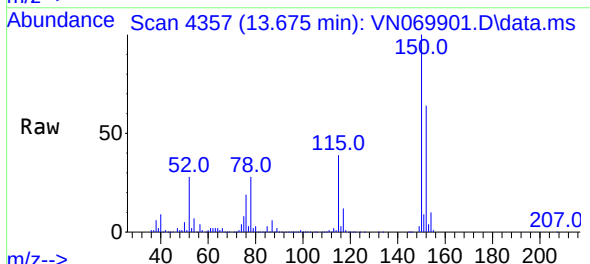
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MSVOA_N
ClientSampleId :
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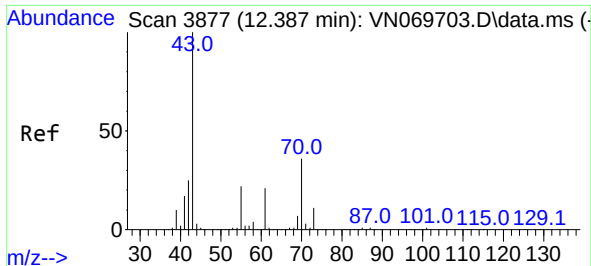
Tgt Ion:173 Resp: 370
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

Tgt Ion:152 Resp: 1074367
Ion Ratio Lower Upper
152 100
115 61.0 27.5 82.5
150 156.9 0.0 344.4

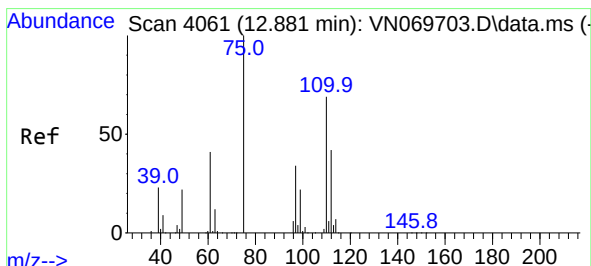
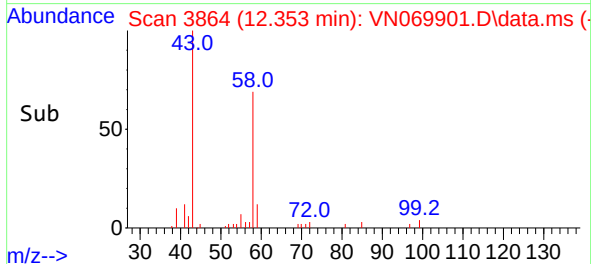
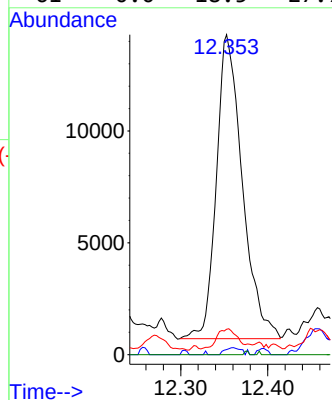
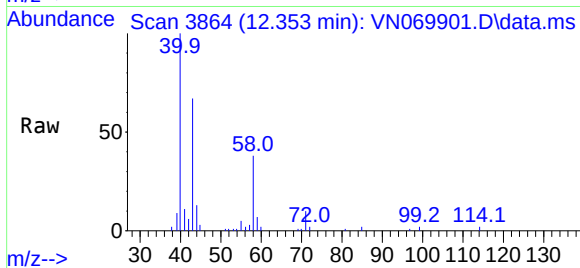




#74
N-amy1 acetate
Concen: 0.667 ug/l
RT: 12.353 min Scan# 3864
Delta R.T. -0.035 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

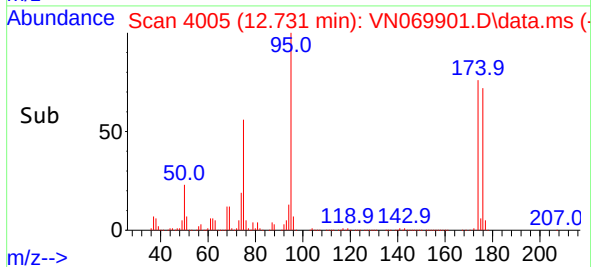
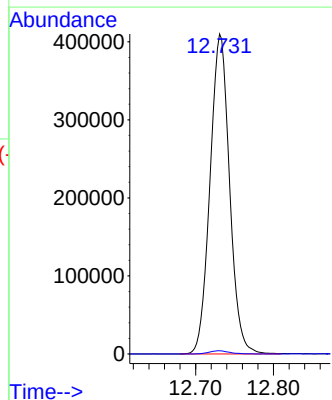
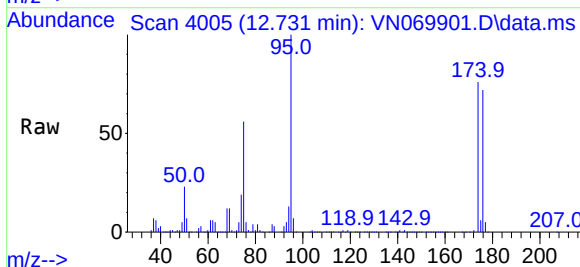
Instrument :
MSVOA_N
ClientSampleId :
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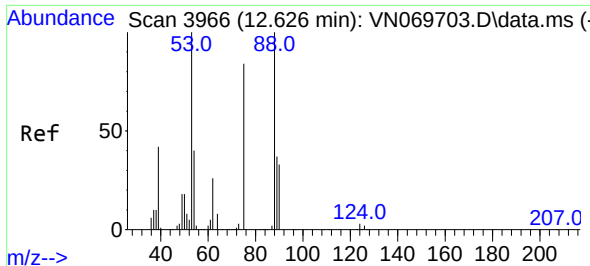
Tgt Ion:	43	Resp:	28216
Ion	Ratio	Lower	Upper
43	100		
70	1.5	33.4	50.0#
55	4.3	19.3	28.9#
61	0.0	18.5	27.7#



#76
1,2,3-Trichloropropane
Concen: 23.118 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

Tgt Ion:	75	Resp:	712282
Ion	Ratio	Lower	Upper
75	100		
77	1.0	82.6	247.8#

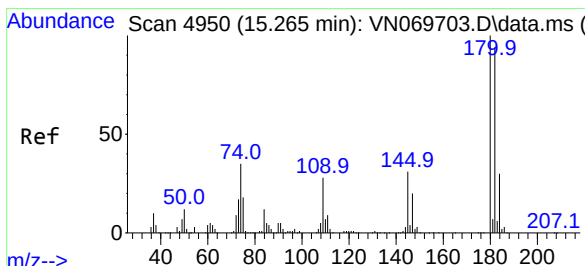
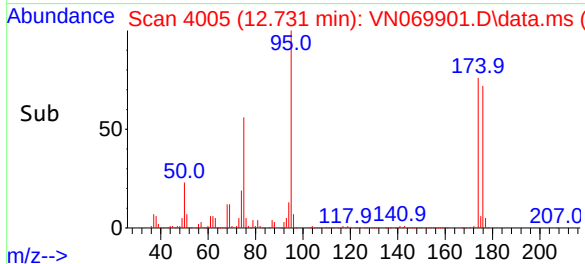
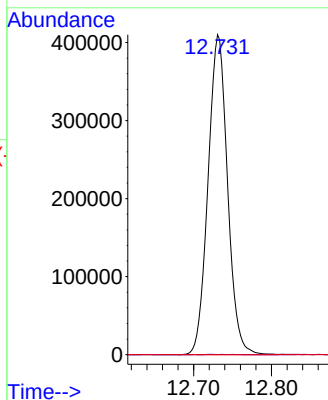
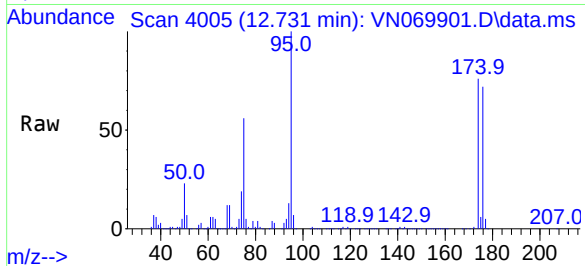




#81
trans-1,4-Dichloro-2-butene
Concen: 73.579 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

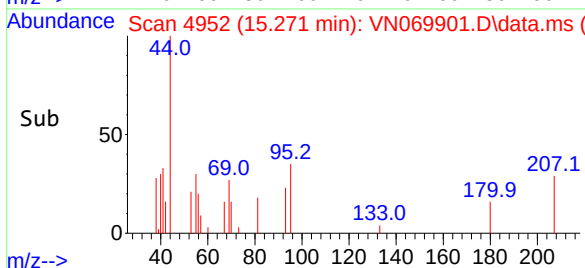
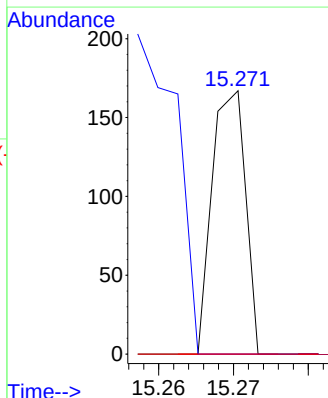
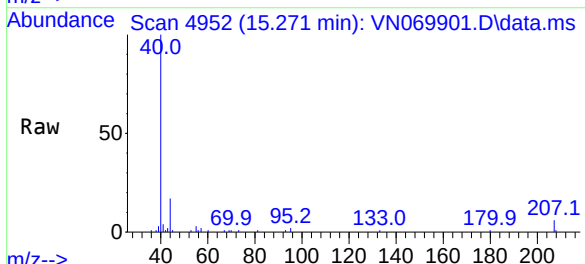
Instrument :
MSVOA_N
ClientSampleId :
RED-WALL-CONCRETE-COMP

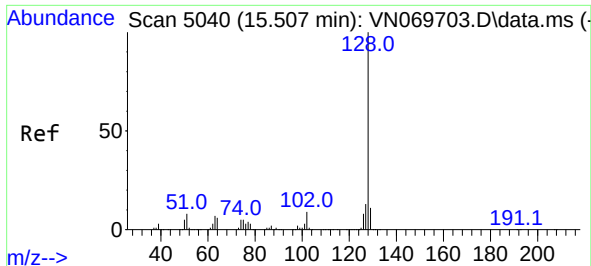
Tgt Ion: 75 Resp: 712282
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.881 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

Tgt Ion:180 Resp: 52
Ion Ratio Lower Upper
180 100
182 278.8 48.3 144.9#
145 0.0 14.5 43.5#

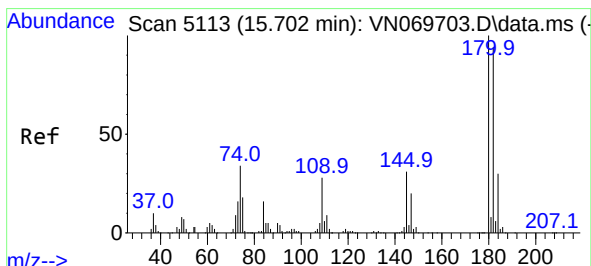
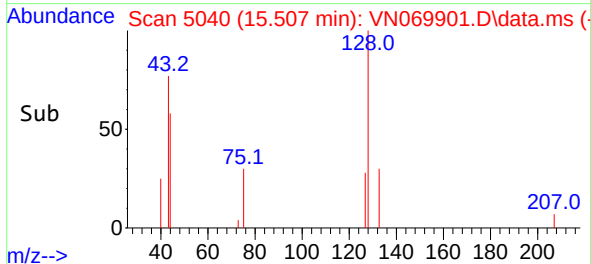
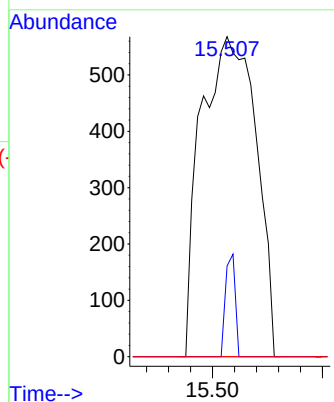
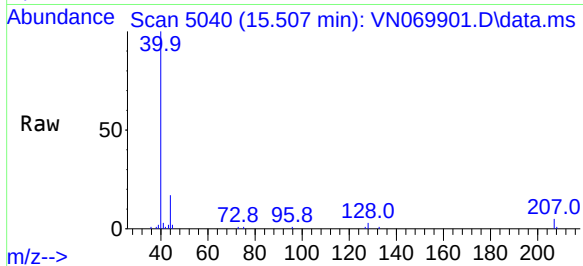




#95
Naphthalene
Concen: 4.002 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

Instrument :
MSVOA_N
ClientSampleId :
RED-WALL-CONCRETE-COMP

Tgt Ion:	128	Resp:	987
Ion	Ratio	Lower	Upper
128	100		
127	5.6	10.5	15.7#
129	0.0	8.7	13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.448 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN069901.D
Acq: 9 Dec 2021 9:00

Tgt Ion:	180	Resp:	216
Ion	Ratio	Lower	Upper
180	100		
182	63.9	47.4	142.2
145	0.0	15.0	45.1#

