

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069898.D
 Acq On : 9 Dec 2021 7:44
 Operator : JC/MD
 Sample : M4965-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 50 Sample Multiplier: 1

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

Quant Time: Dec 09 12:02:15 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)

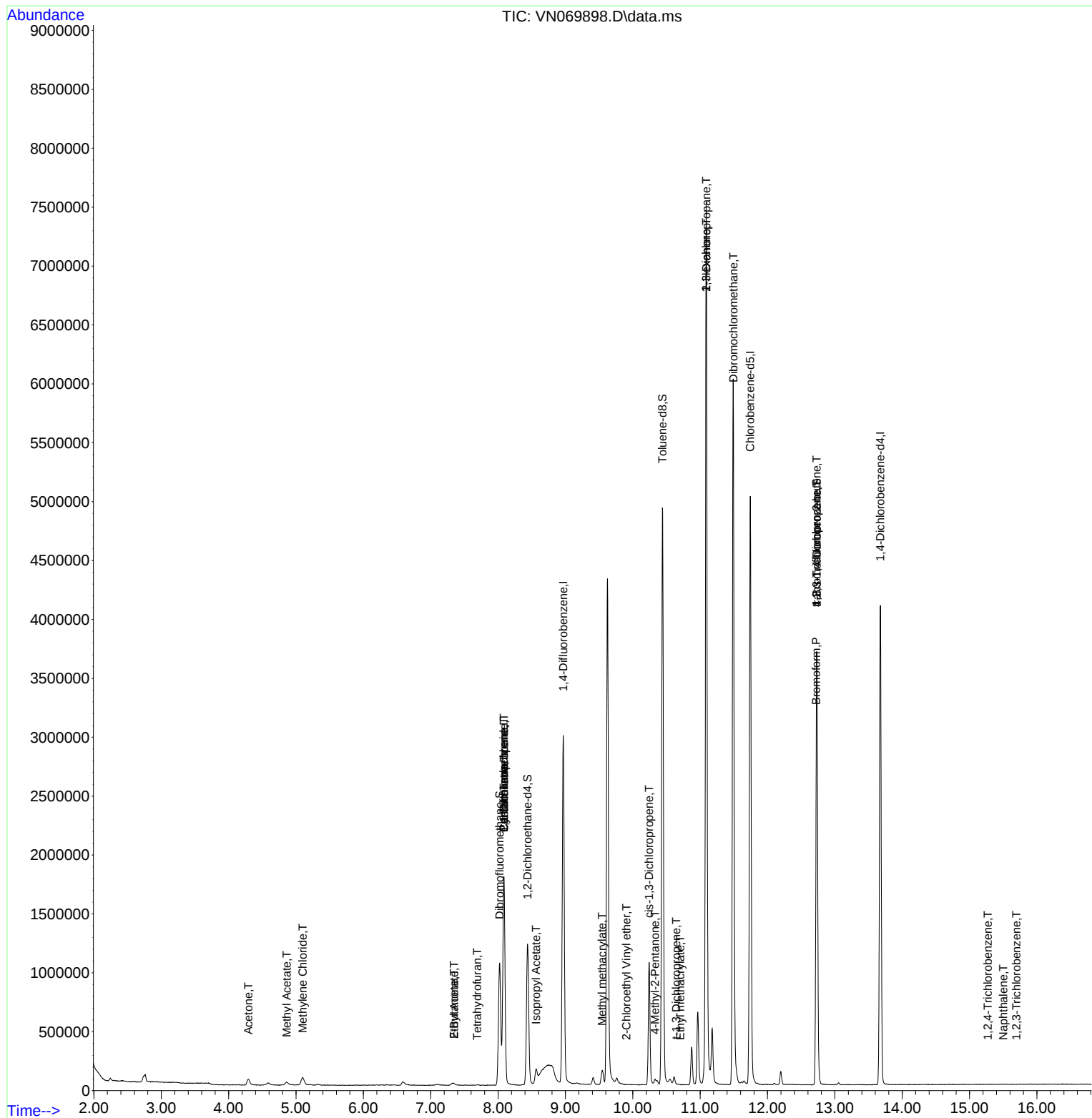
Internal Standards						
1) Pentafluorobenzene	8.086	168	1320711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2473506	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2740697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1074460	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1037365	50.872	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 101.740%	
35) Dibromofluoromethane	8.021	113	749586	48.381	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 96.760%	
50) Toluene-d8	10.440	98	3261007	52.418	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.840%	
62) 4-Bromofluorobenzene	12.731	95	1291389	57.299	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 114.600%	
Target Compounds						
					Qvalue	
16) Acetone	4.293	43	95050	7.749	ug/l	97
18) Methyl Acetate	4.865	43	55861	1.509	ug/l #	89
20) Methylene Chloride	5.101	84	45733	2.805	ug/l	88
25) 2-Butanone	7.345	43	19309	1.159	ug/l #	87
29) Tetrahydrofuran	7.691	42	3672	0.363	ug/l #	66
31) Cyclohexane	8.086	56	33934	1.196	ug/l #	26
36) 1,1-Dichloropropene	8.086	75	112264	4.768	ug/l #	49
37) Ethyl Acetate	7.345	43	19309	0.551	ug/l #	68
38) Carbon Tetrachloride	8.086	117	135160	5.853	ug/l #	16
43) Isopropyl Acetate	8.566	43	158634	3.059	ug/l #	79
48) Methyl methacrylate	9.545	41	32509	1.343	ug/l #	25
51) 4-Methyl-2-Pentanone	10.330	43	22421	0.666	ug/l	93
53) t-1,3-Dichloropropene	10.647	75	114	2.798	ug/l #	1
54) cis-1,3-Dichloropropene	10.242	75	164821	7.221	ug/l #	72
56) Ethyl methacrylate	10.706	69	537	2.294	ug/l #	24
57) 1,3-Dichloropropane	11.089	76	71039	2.276	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.904	63	25	18.391	ug/l #	45
59) 2-Hexanone	11.089	43	1324607	52.044	ug/l #	47
60) Dibromochloromethane	11.494	129	836	2.418	ug/l #	11
71) Bromoform	12.723	173	2693	2.883	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	728812	23.653	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	728812	75.186	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.271	180	254	2.891	ug/l #	19
95) Naphthalene	15.501	128	885	4.001	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.694	180	26	2.437	ug/l #	1

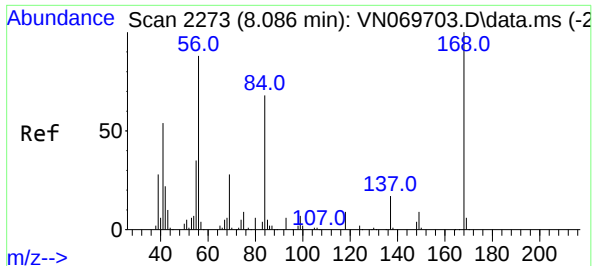
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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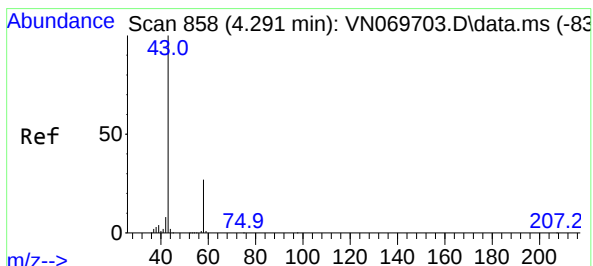
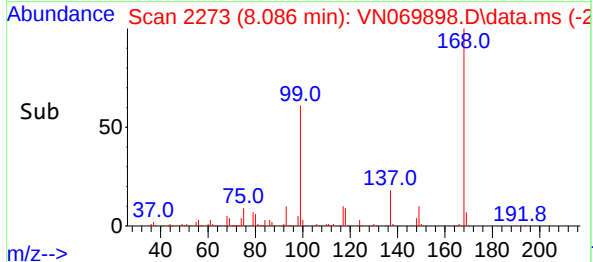
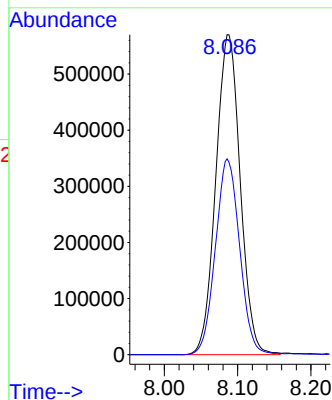
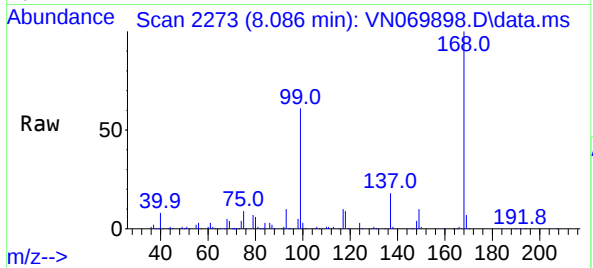




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

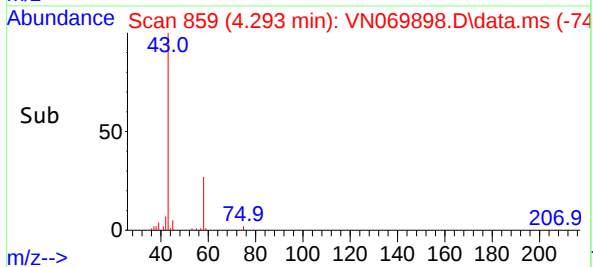
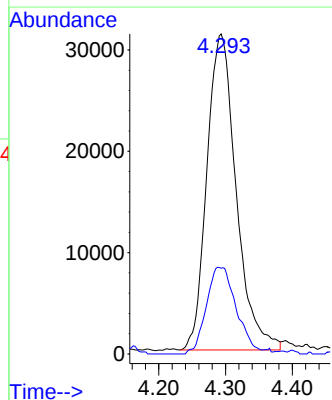
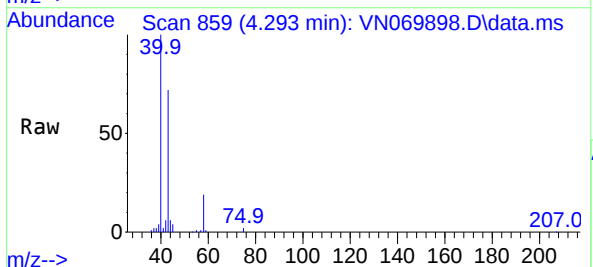
Instrument :
MSVOA_N
ClientSampleId :
RED-CONCRETE-COMP-EXTERIOR

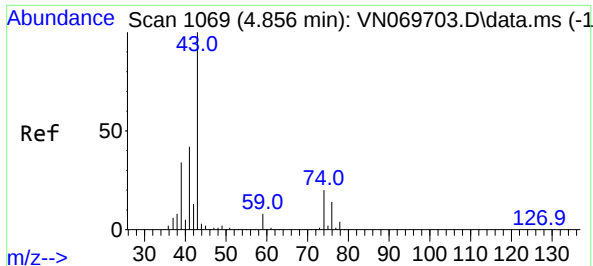
Tgt Ion:168 Resp: 1320711
Ion Ratio Lower Upper
168 100
99 61.2 41.3 61.9



#16
Acetone
Concen: 7.749 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

Tgt Ion: 43 Resp: 95050
Ion Ratio Lower Upper
43 100
58 27.1 23.1 34.7





#18

Methyl Acetate

Concen: 1.509 ug/l

RT: 4.865 min Scan# 1160

Delta R.T. 0.008 min

Lab File: VN069898.D

Acq: 9 Dec 2021 7:44

Instrument :

MSVOA_N

ClientSampleId :

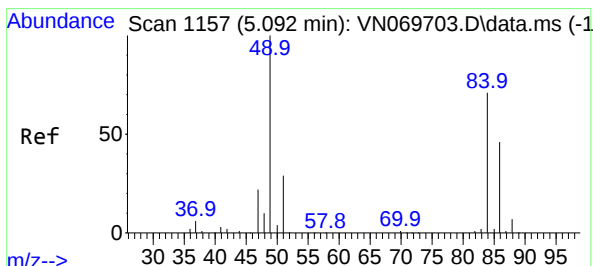
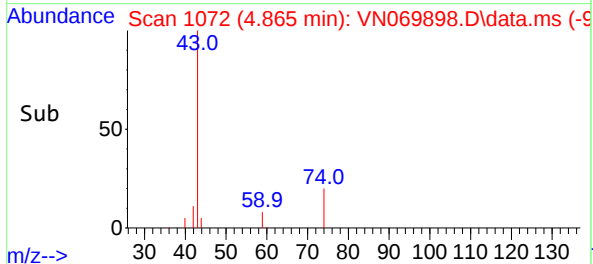
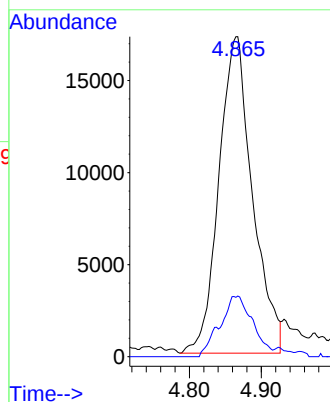
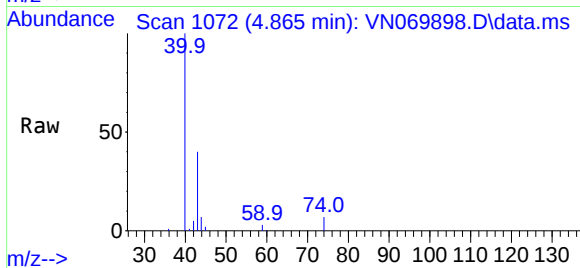
RED-CONCRETE-COMP-EXTERIOR

Tgt Ion: 43 Resp: 55861

Ion Ratio Lower Upper

43 100

74 18.7 19.4 29.2#



#20

Methylene Chloride

Concen: 2.805 ug/l

RT: 5.101 min Scan# 1160

Delta R.T. 0.008 min

Lab File: VN069898.D

Acq: 9 Dec 2021 7:44

Tgt Ion: 84 Resp: 45733

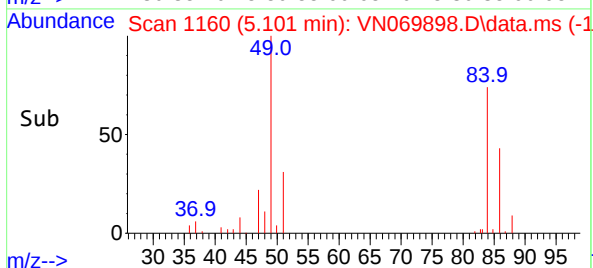
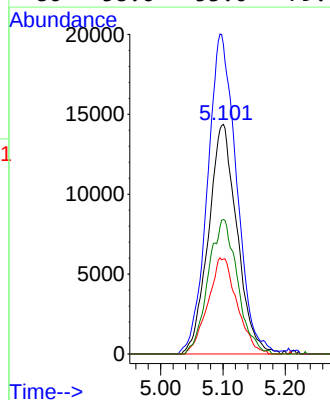
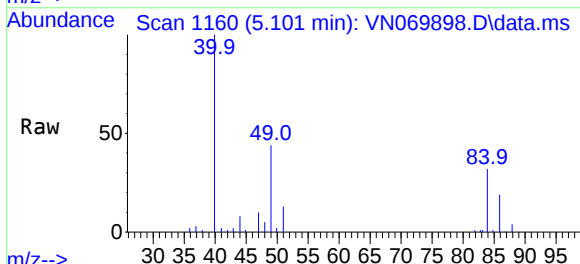
Ion Ratio Lower Upper

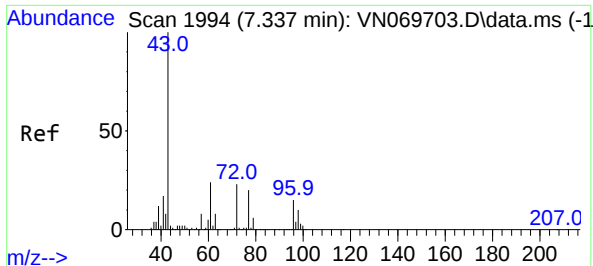
84 100

49 133.7 93.5 140.3

51 41.3 29.4 44.2

86 58.6 53.0 79.4

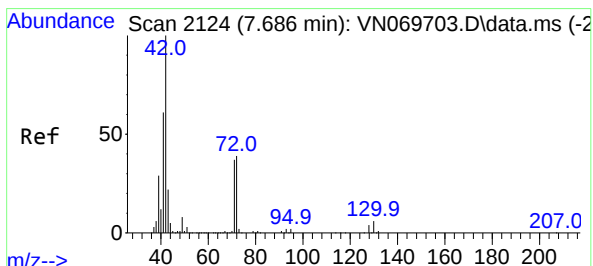
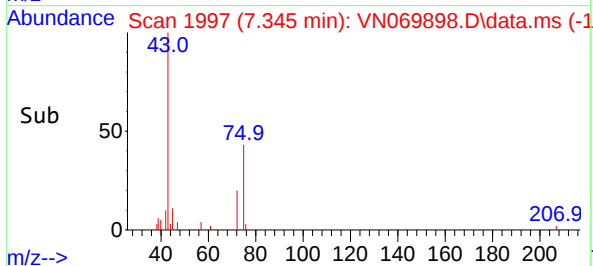
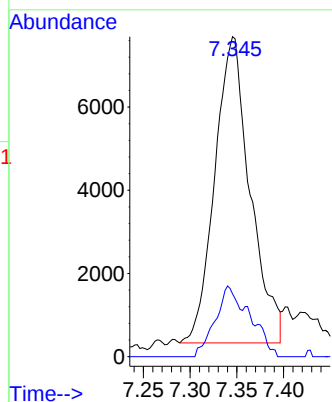
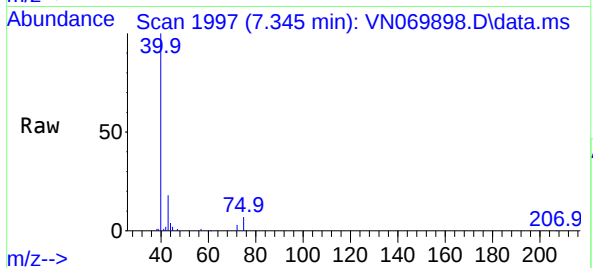




#25
2-Butanone
Concen: 1.159 ug/l
RT: 7.345 min Scan# 1994
Delta R.T. 0.008 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

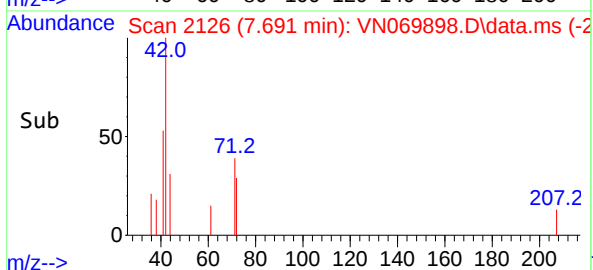
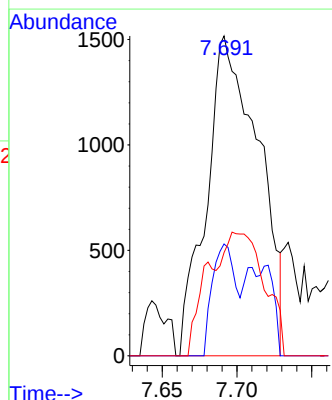
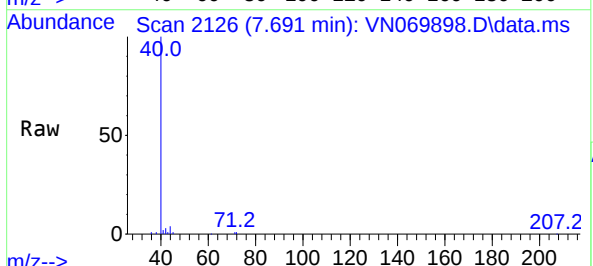
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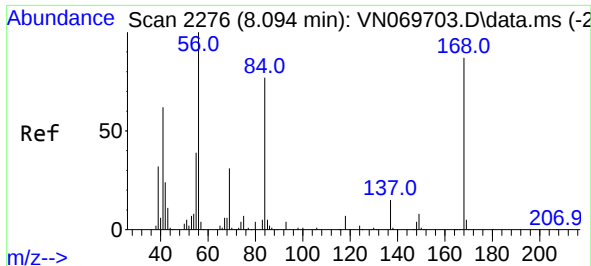
Tgt Ion: 43 Resp: 19309
Ion Ratio Lower Upper
43 100
72 20.6 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.363 ug/l
RT: 7.691 min Scan# 2126
Delta R.T. 0.005 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

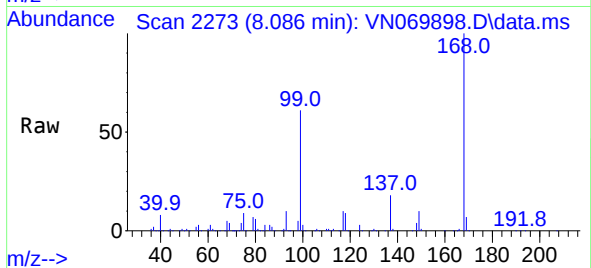
Tgt Ion: 42 Resp: 3672
Ion Ratio Lower Upper
42 100
72 15.7 36.3 54.5#
71 29.4 34.7 52.1#



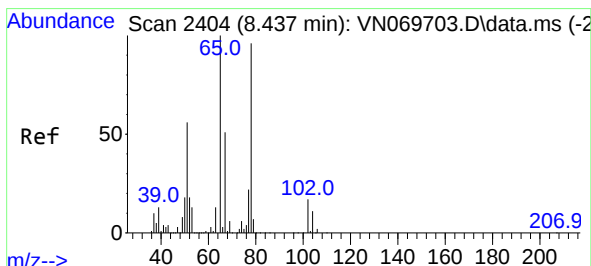
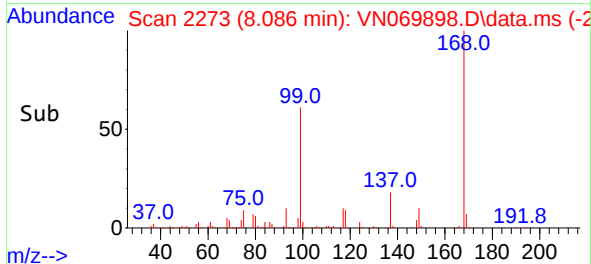
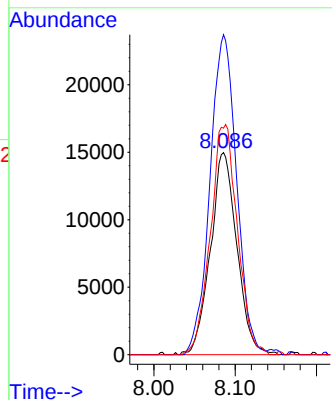


#31
Cyclohexane
Concen: 1.196 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

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

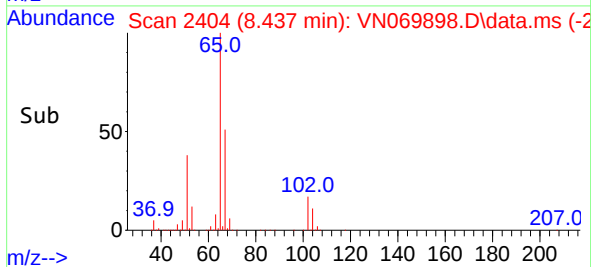
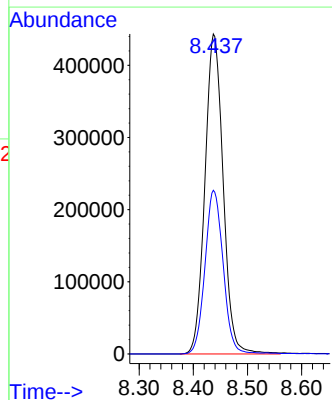
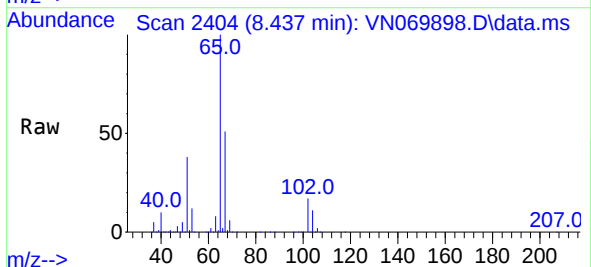


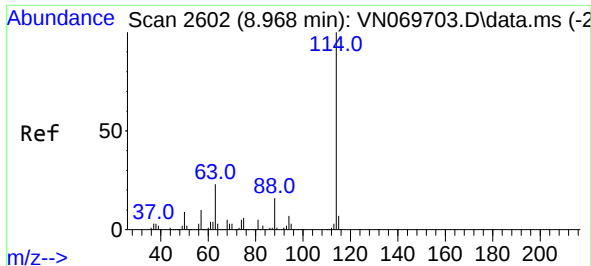
Tgt Ion: 56 Resp: 33934
Ion Ratio Lower Upper
56 100
69 158.3 27.1 40.7#
84 112.1 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 50.872 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

Tgt Ion: 65 Resp: 1037365
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0

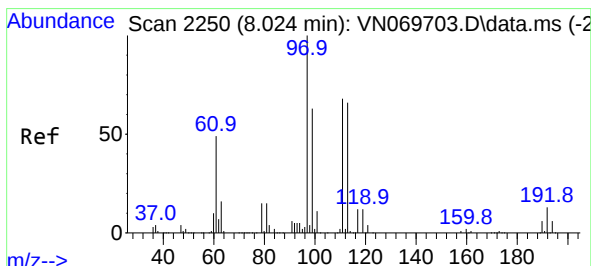
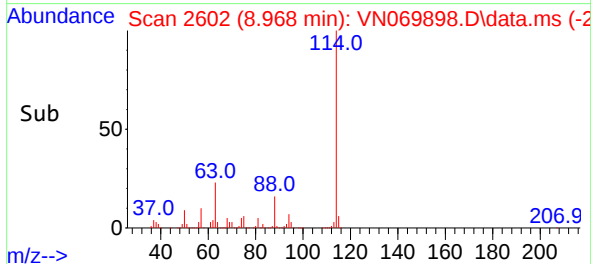
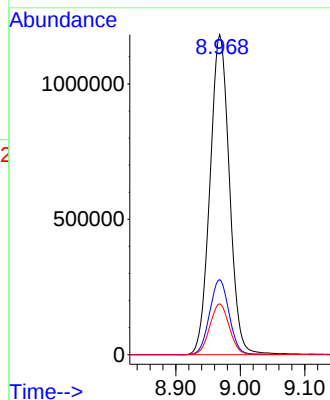
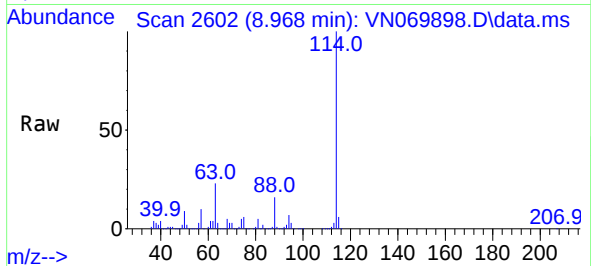




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

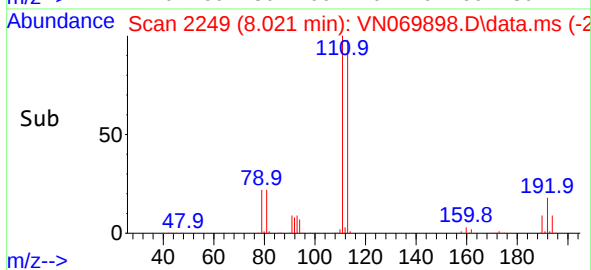
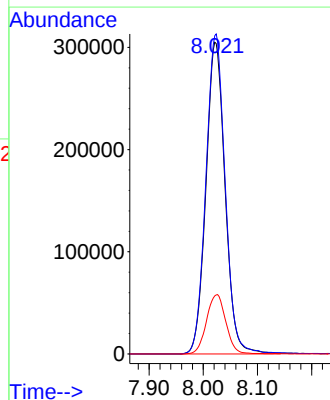
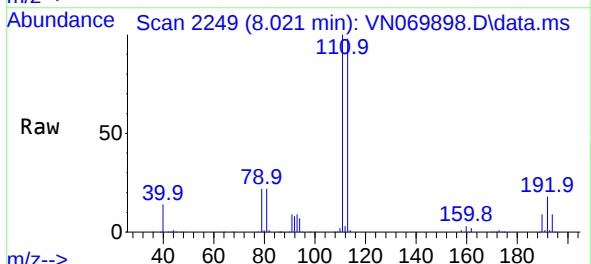
Instrument : MSVOA_N
ClientSampleId : RED-CONCRETE-COMP-EXTERIOR

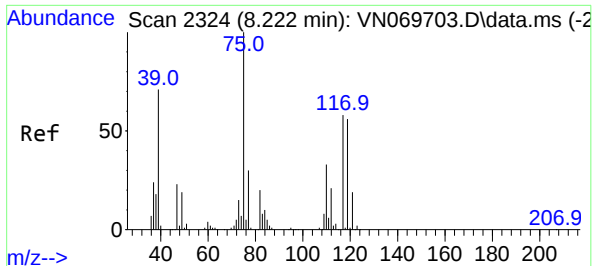
Tgt Ion:114 Resp: 2473506
Ion Ratio Lower Upper
114 100
63 23.4 0.0 37.8
88 15.9 0.0 27.4



#35
Dibromofluoromethane
Concen: 48.381 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

Tgt Ion:113 Resp: 749586
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 19.2 16.9 25.3

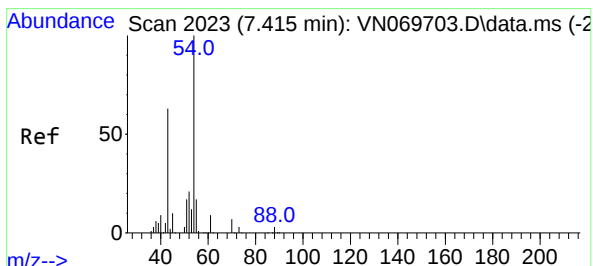
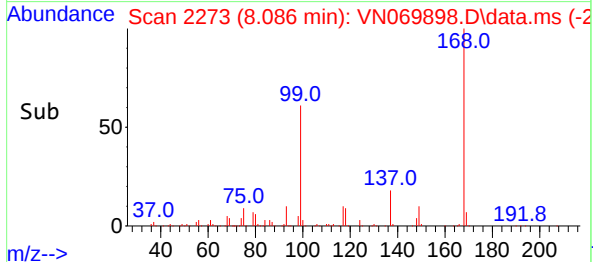
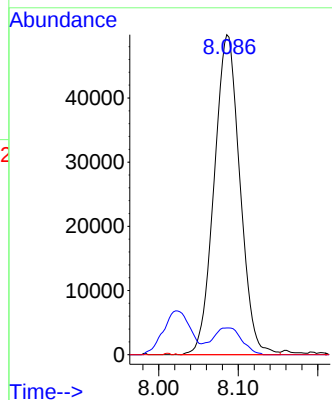
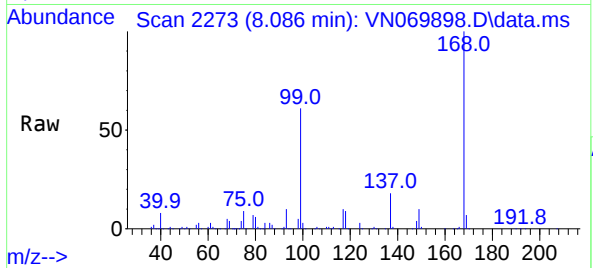




#36
1,1-Dichloropropene
Concen: 4.768 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

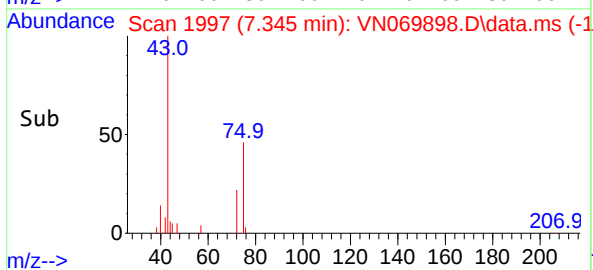
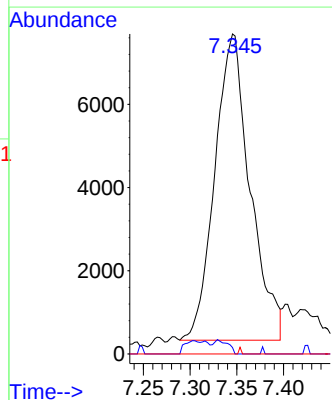
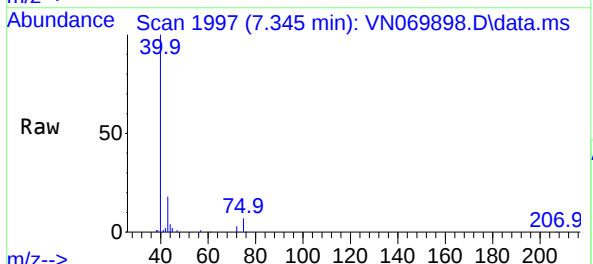
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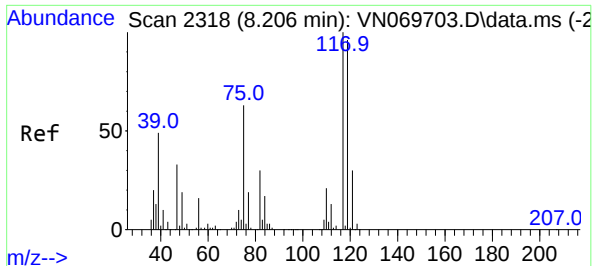
Tgt Ion: 75 Resp: 112264
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.551 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. -0.070 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

Tgt Ion: 43 Resp: 19309
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.1 7.9 11.9#

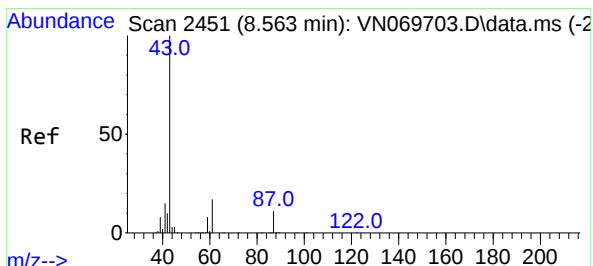
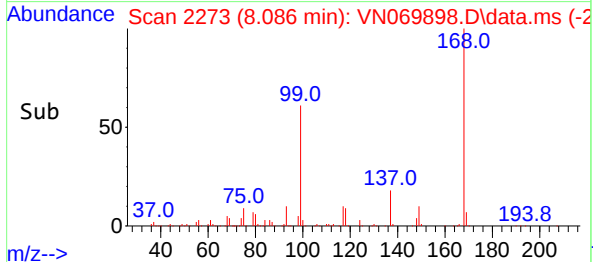
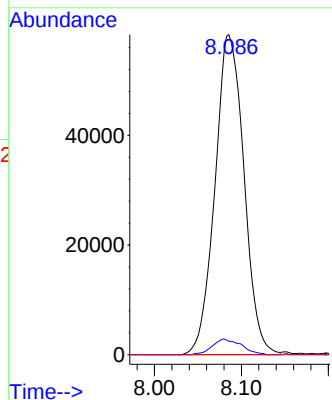
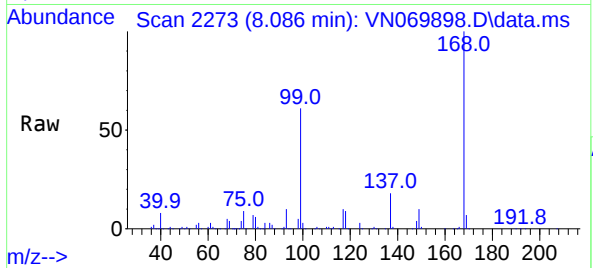




#38
Carbon Tetrachloride
Concen: 5.853 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.121 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

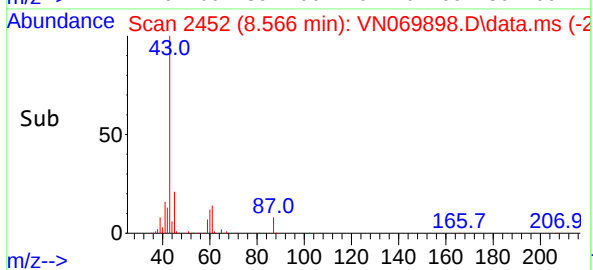
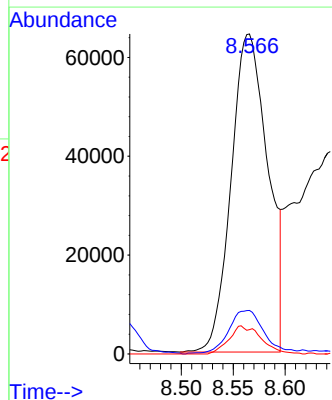
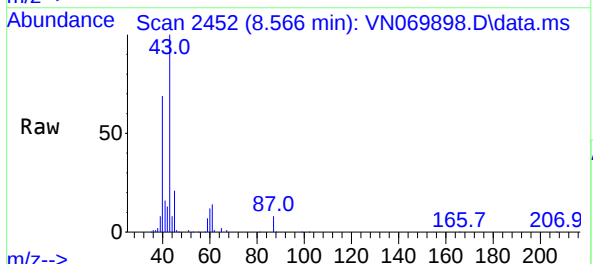
Instrument :
MSVOA_N
ClientSampleId :
RED-CONCRETE-COMP-EXTERIOR

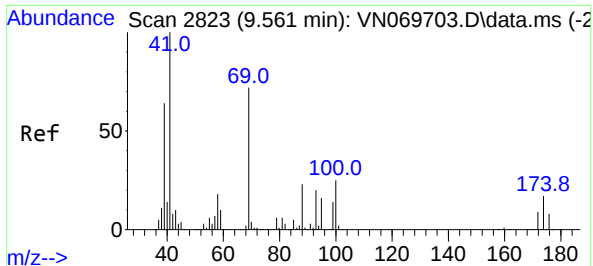
Tgt Ion:117 Resp: 135160
Ion Ratio Lower Upper
117 100
119 4.2 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.059 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

Tgt Ion: 43 Resp: 158634
Ion Ratio Lower Upper
43 100
61 13.3 20.4 30.6#
87 7.8 11.2 16.8#

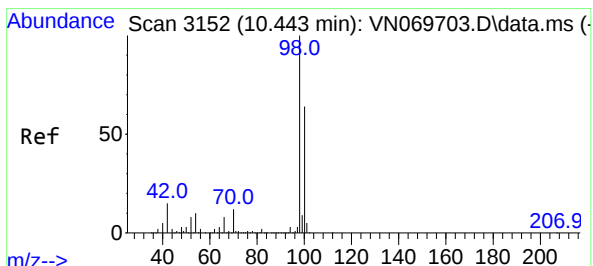
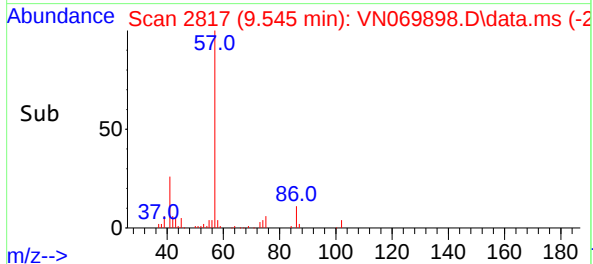
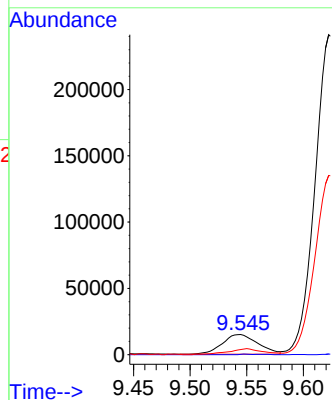
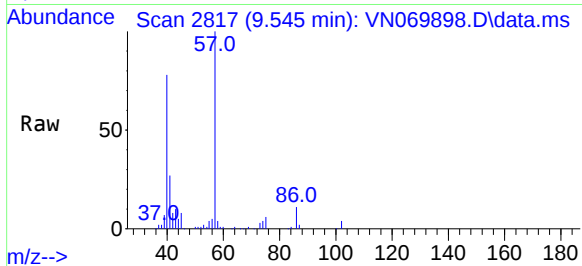




#48
Methyl methacrylate
Concen: 1.343 ug/l
RT: 9.545 min Scan# 21
Delta R.T. -0.016 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

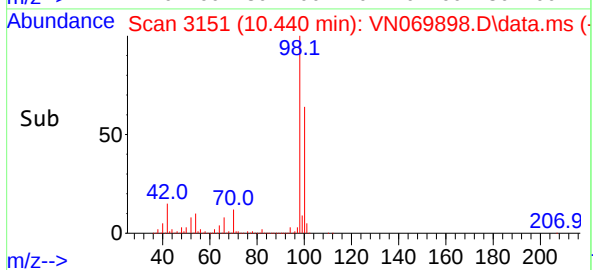
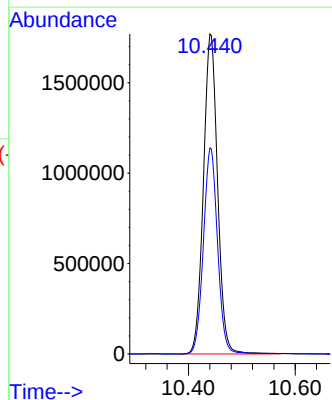
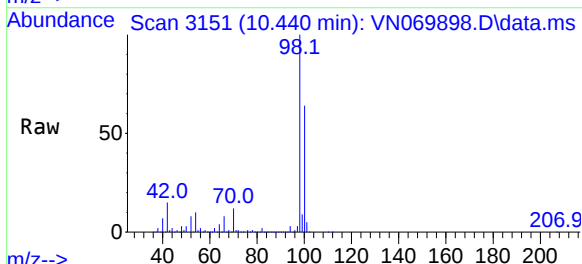
Instrument :
MSVOA_N
ClientSampleId :
RED-CONCRETE-COMP-EXTERIOR

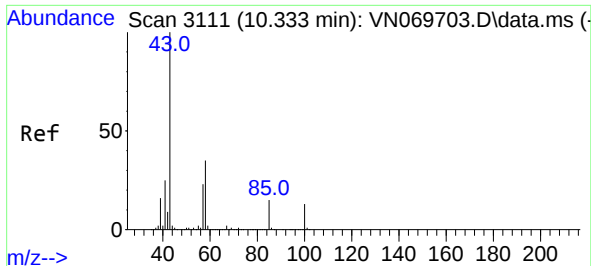
Tgt Ion: 41 Resp: 32509
Ion Ratio Lower Upper
41 100
69 0.8 72.4 108.6#
39 30.2 58.4 87.6#



#50
Toluene-d8
Concen: 52.418 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

Tgt Ion: 98 Resp: 3261007
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6

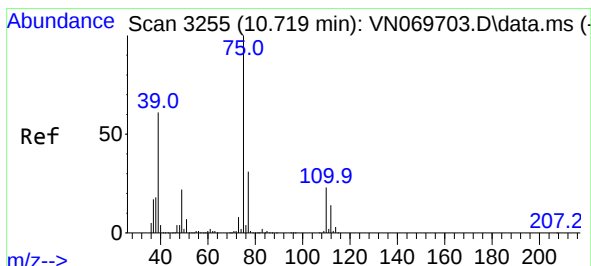
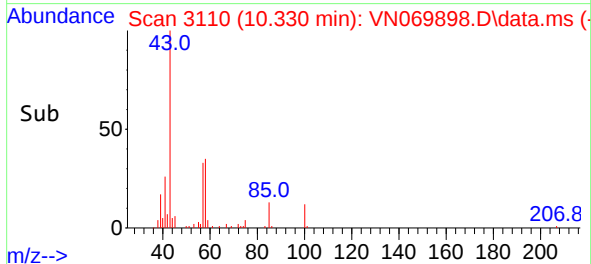
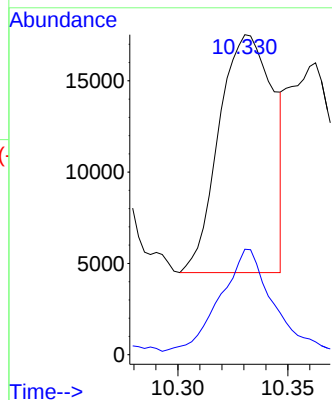
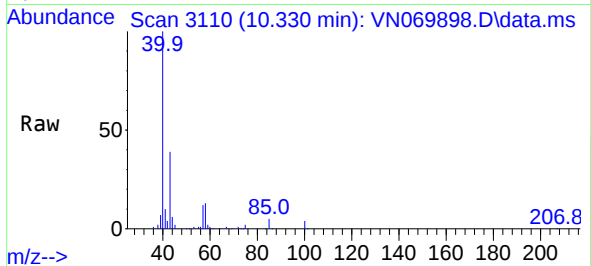




#51
4-Methyl-2-Pentanone
Concen: 0.666 ug/l
RT: 10.330 min Scan# 3111
Delta R.T. -0.003 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

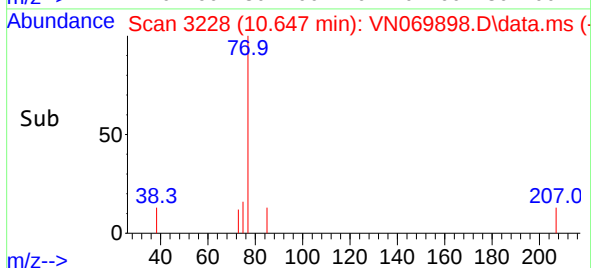
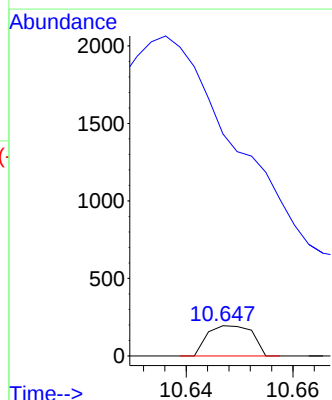
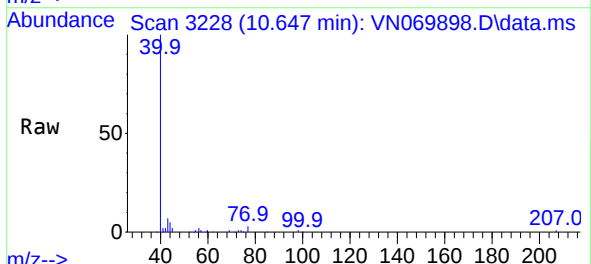
Instrument :
MSVOA_N
ClientSampleId :
RED-CONCRETE-COMP-EXTERIOR

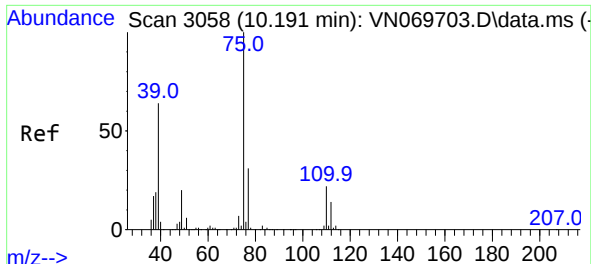
Tgt Ion: 43 Resp: 22421
Ion Ratio Lower Upper
43 100
58 42.4 30.4 45.6



#53
t-1,3-Dichloropropene
Concen: 2.798 ug/l
RT: 10.647 min Scan# 3228
Delta R.T. -0.072 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

Tgt Ion: 75 Resp: 114
Ion Ratio Lower Upper
75 100
77 217.9 25.6 38.4#

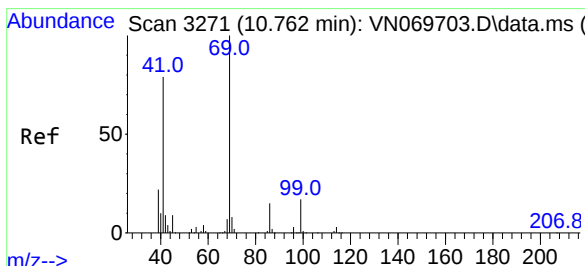
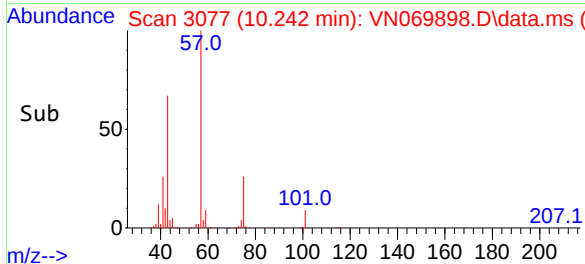
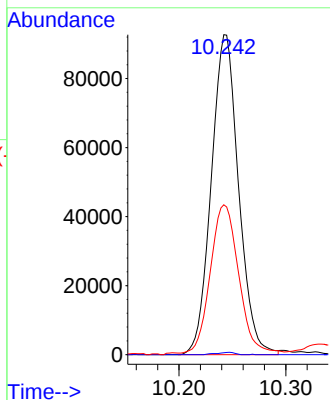
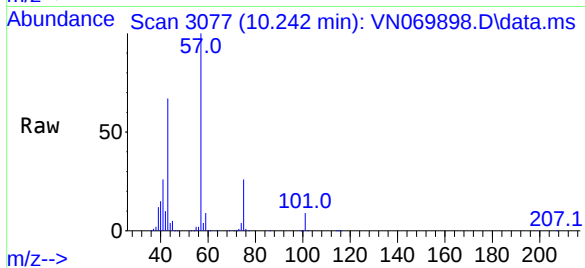




#54
cis-1,3-Dichloropropene
Concen: 7.221 ug/l
RT: 10.242 min Scan# 3058
Delta R.T. 0.051 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

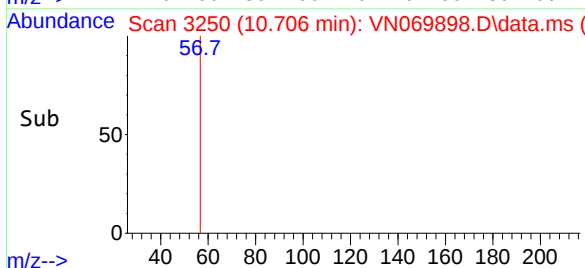
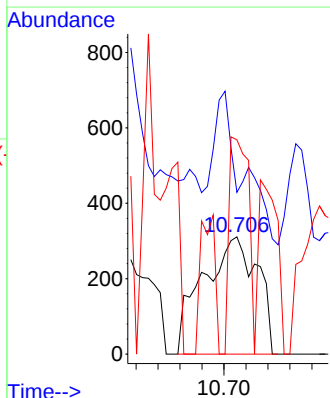
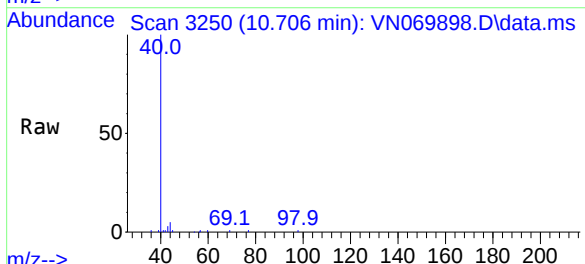
Instrument : MSVOA_N
ClientSampleId : RED-CONCRETE-COMP-EXTERIOR

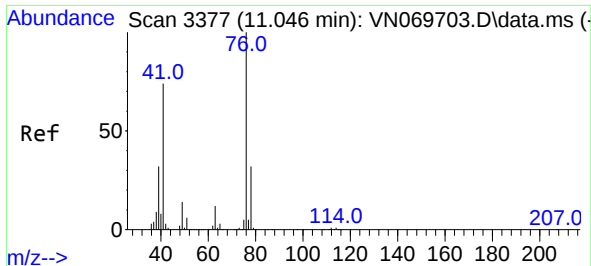
Tgt Ion: 75 Resp: 164821
Ion Ratio Lower Upper
75 100
77 0.6 26.4 39.6#
39 46.3 42.5 63.7



#56
Ethyl methacrylate
Concen: 2.294 ug/l
RT: 10.706 min Scan# 3250
Delta R.T. -0.056 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

Tgt Ion: 69 Resp: 537
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: 2.276 ug/l

RT: 11.089 min Scan# 31

Delta R.T. 0.043 min

Lab File: VN069898.D

Acq: 9 Dec 2021 7:44

Instrument :

MSVOA_N

ClientSampleId :

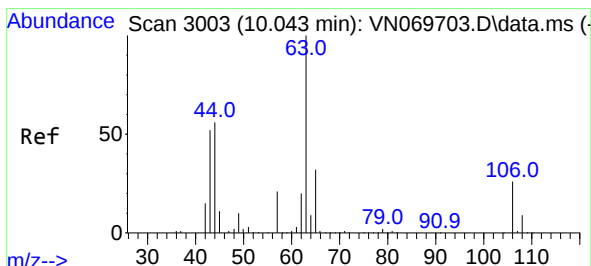
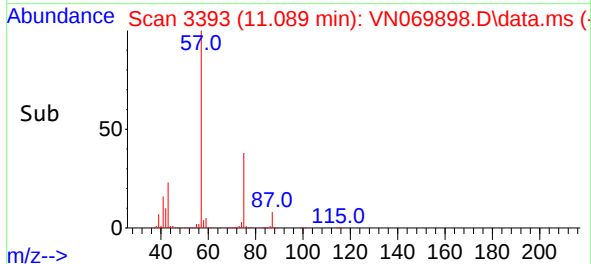
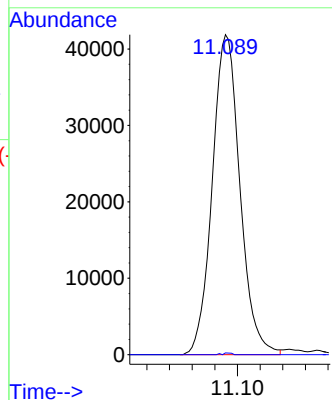
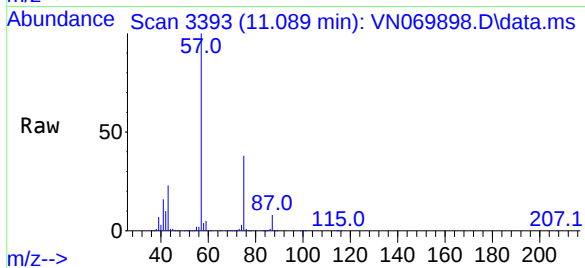
RED-CONCRETE-COMP-EXTERIOR

Tgt Ion: 76 Resp: 71039

Ion Ratio Lower Upper

76 100

78 0.2 25.7 38.5#



#58

2-Chloroethyl Vinyl ether

Concen: 18.391 ug/l

RT: 9.904 min Scan# 2951

Delta R.T. -0.139 min

Lab File: VN069898.D

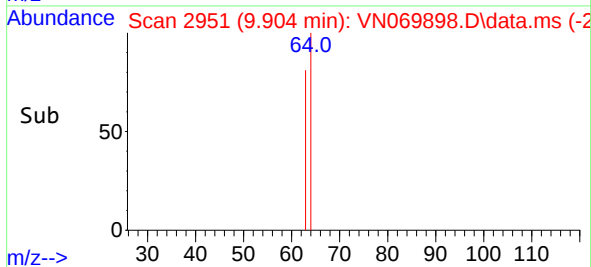
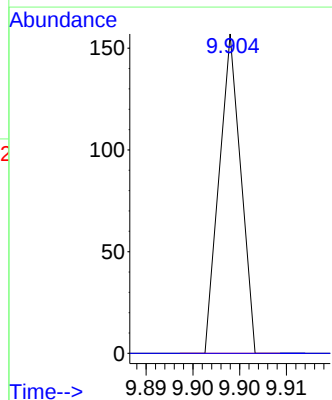
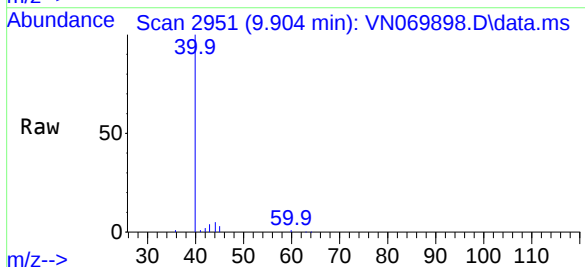
Acq: 9 Dec 2021 7:44

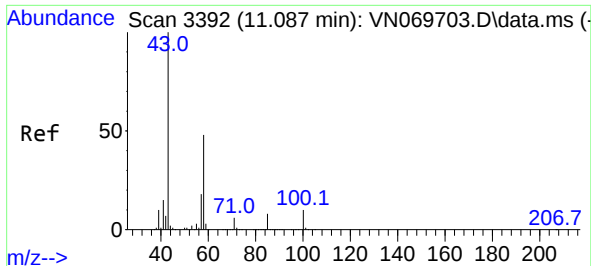
Tgt Ion: 63 Resp: 25

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#

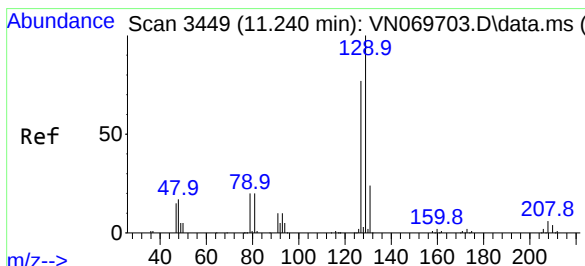
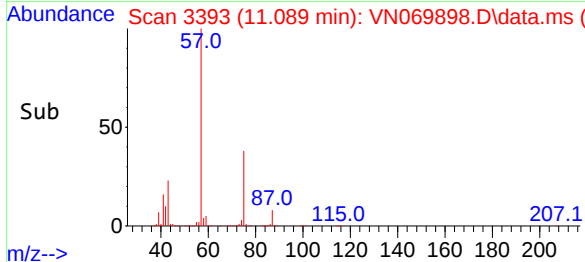
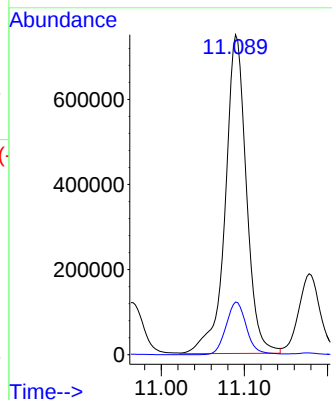
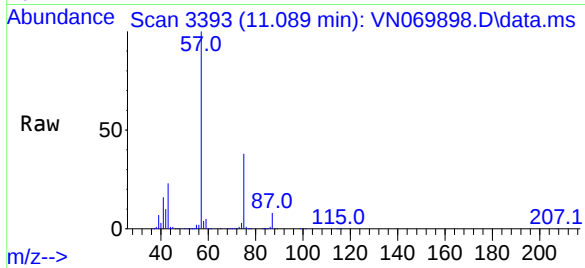




#59
2-Hexanone
Concen: 52.044 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.002 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

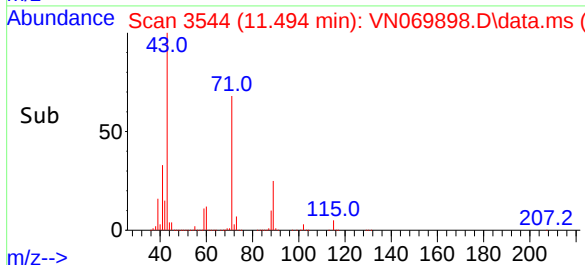
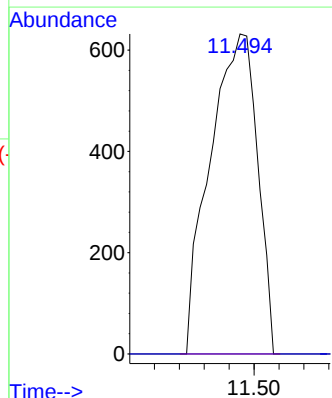
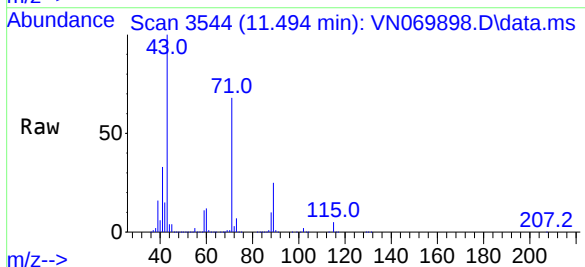
Instrument :
MSVOA_N
ClientSampleId :
RED-CONCRETE-COMP-EXTERIOR

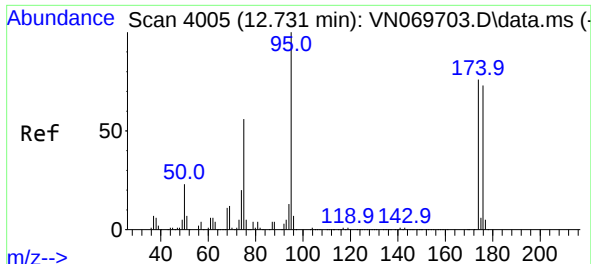
Tgt Ion: 43 Resp: 1324607
Ion Ratio Lower Upper
43 100
58 16.1 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.418 ug/l
RT: 11.494 min Scan# 3544
Delta R.T. 0.254 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

Tgt Ion:129 Resp: 836
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

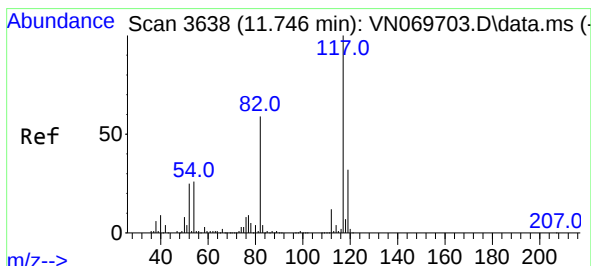
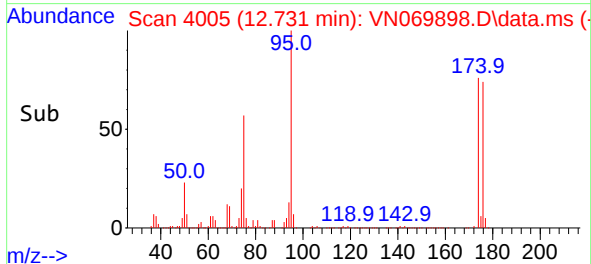
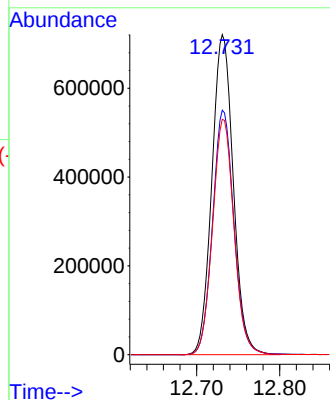
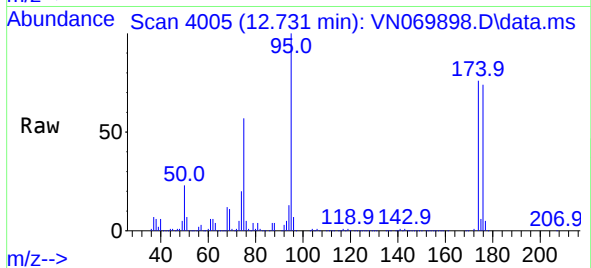




#62
4-Bromofluorobenzene
Concen: 57.299 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

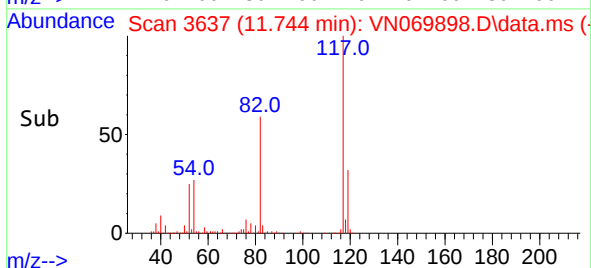
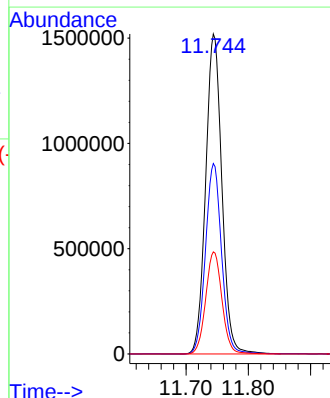
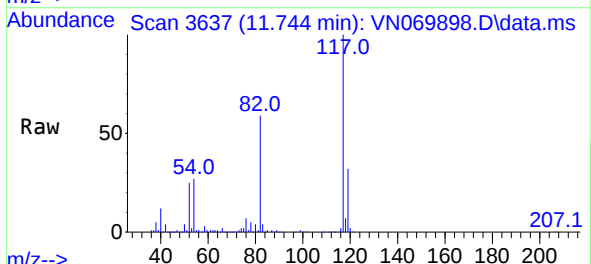
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ClientSampleId :
RED-CONCRETE-COMP-EXTERIOR

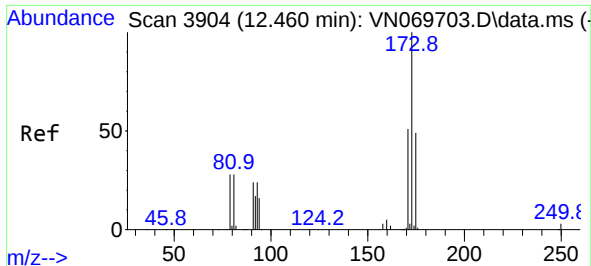
Tgt Ion: 95 Resp: 1291389
Ion Ratio Lower Upper
95 100
174 76.1 0.0 187.2
176 73.6 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

Tgt Ion: 117 Resp: 2740697
Ion Ratio Lower Upper
117 100
82 59.5 42.4 63.6
119 31.9 25.4 38.2

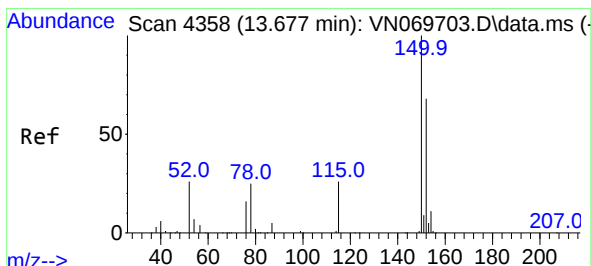
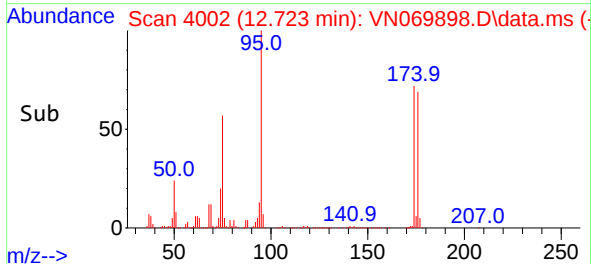
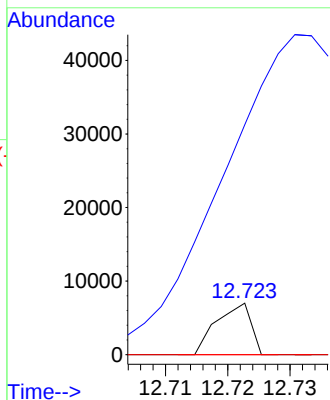
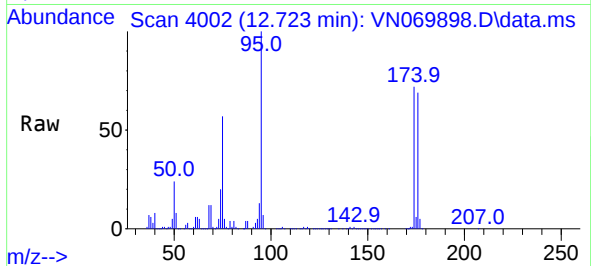




#71
Bromoform
Concen: 2.883 ug/l
RT: 12.723 min Scan# 4002
Delta R.T. 0.263 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

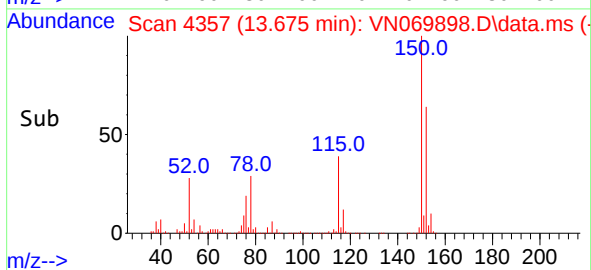
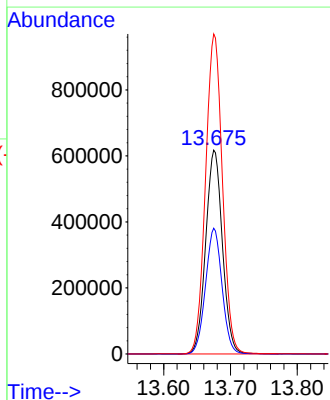
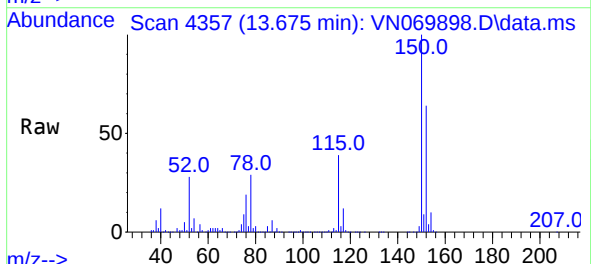
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ClientSampleId :
RED-CONCRETE-COMP-EXTERIOR

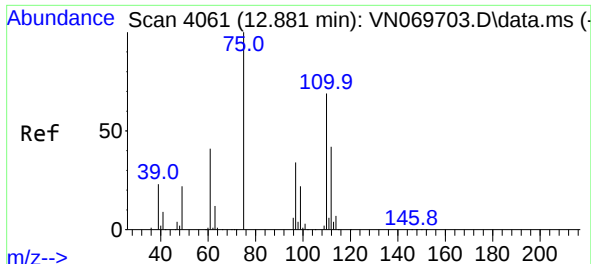
Tgt Ion:173 Resp: 2693
Ion Ratio Lower Upper
173 100
175 2666.1 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

Tgt Ion:152 Resp: 1074460
Ion Ratio Lower Upper
152 100
115 61.0 27.5 82.5
150 158.0 0.0 344.4

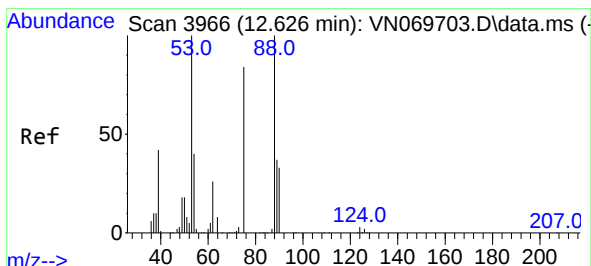
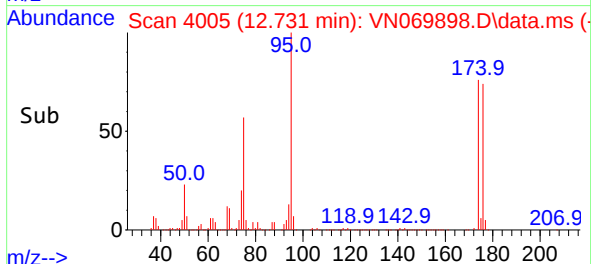
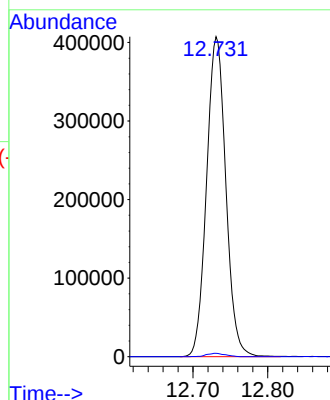
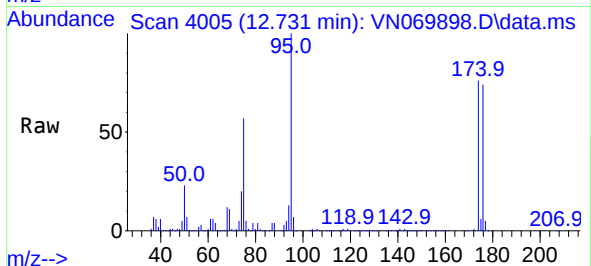




#76
1,2,3-Trichloropropane
Concen: 23.653 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

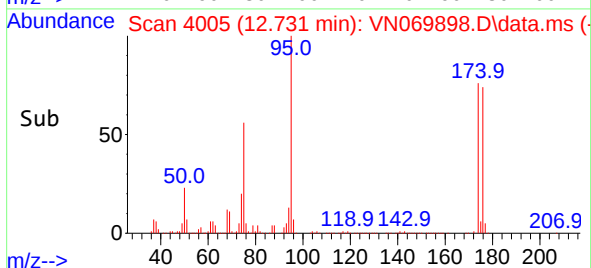
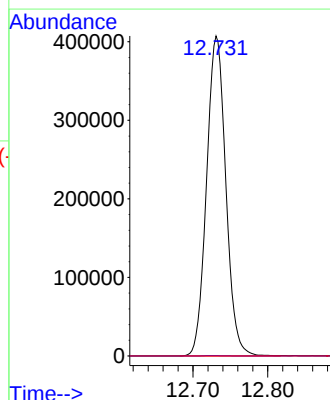
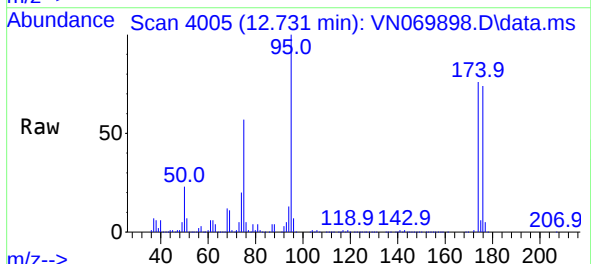
Instrument :
MSVOA_N
ClientSampleId :
RED-CONCRETE-COMP-EXTERIOR

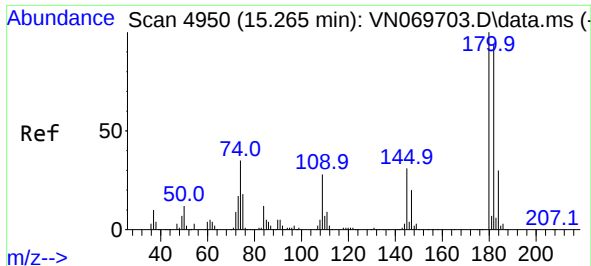
Tgt Ion: 75 Resp: 728812
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.186 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

Tgt Ion: 75 Resp: 728812
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

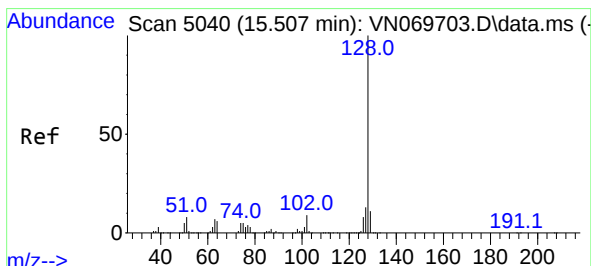
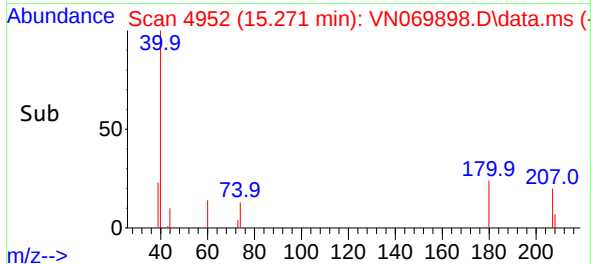
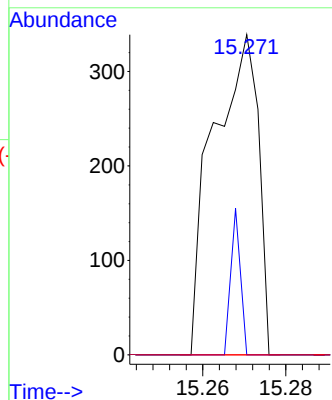
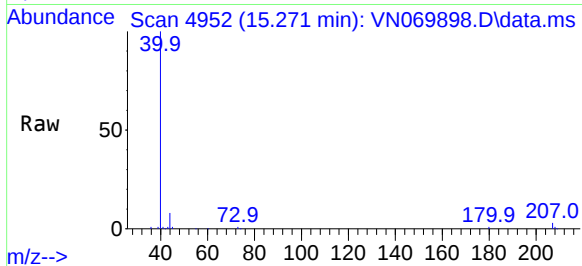




#93
1,2,4-Trichlorobenzene
Concen: 2.891 ug/l
RT: 15.271 min Scan# 49
Delta R.T. 0.006 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

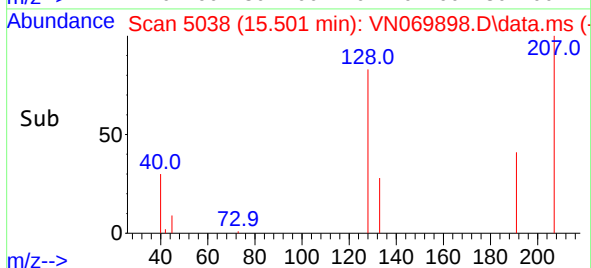
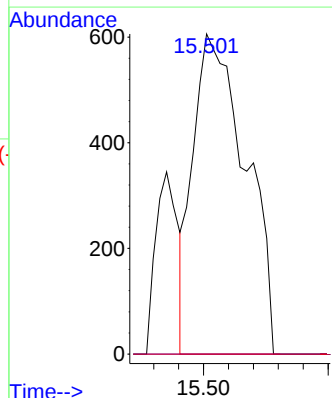
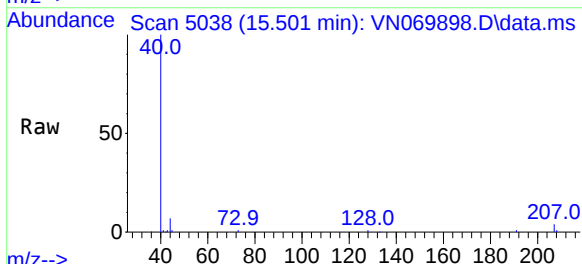
Instrument :
MSVOA_N
ClientSampleId :
RED-CONCRETE-COMP-EXTERIOR

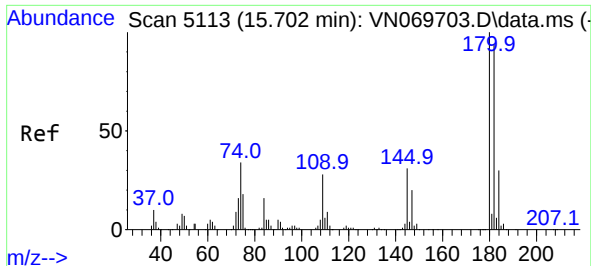
Tgt Ion:180 Resp: 254
Ion Ratio Lower Upper
180 100
182 9.8 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 4.001 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.006 min
Lab File: VN069898.D
Acq: 9 Dec 2021 7:44

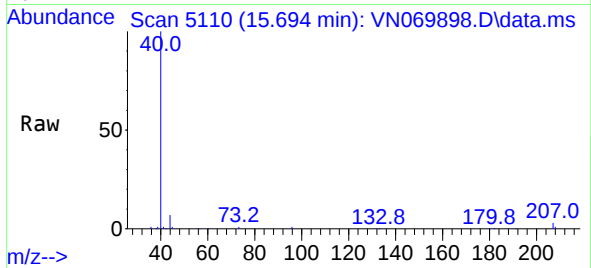
Tgt Ion:128 Resp: 885
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.437 ug/l
 RT: 15.694 min Scan# 51
 Delta R.T. -0.008 min
 Lab File: VN069898.D
 Acq: 9 Dec 2021 7:44

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



Tgt Ion:180 Resp: 26
 Ion Ratio Lower Upper
 180 100
 182 242.3 47.4 142.2#
 145 0.0 15.0 45.1#

