

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
 Data File : VN069953.D
 Acq On : 10 Dec 2021 9:43
 Operator : JC/MD
 Sample : M4965-27
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 53 Sample Multiplier: 1

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

Quant Time: Dec 10 11:28:03 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)

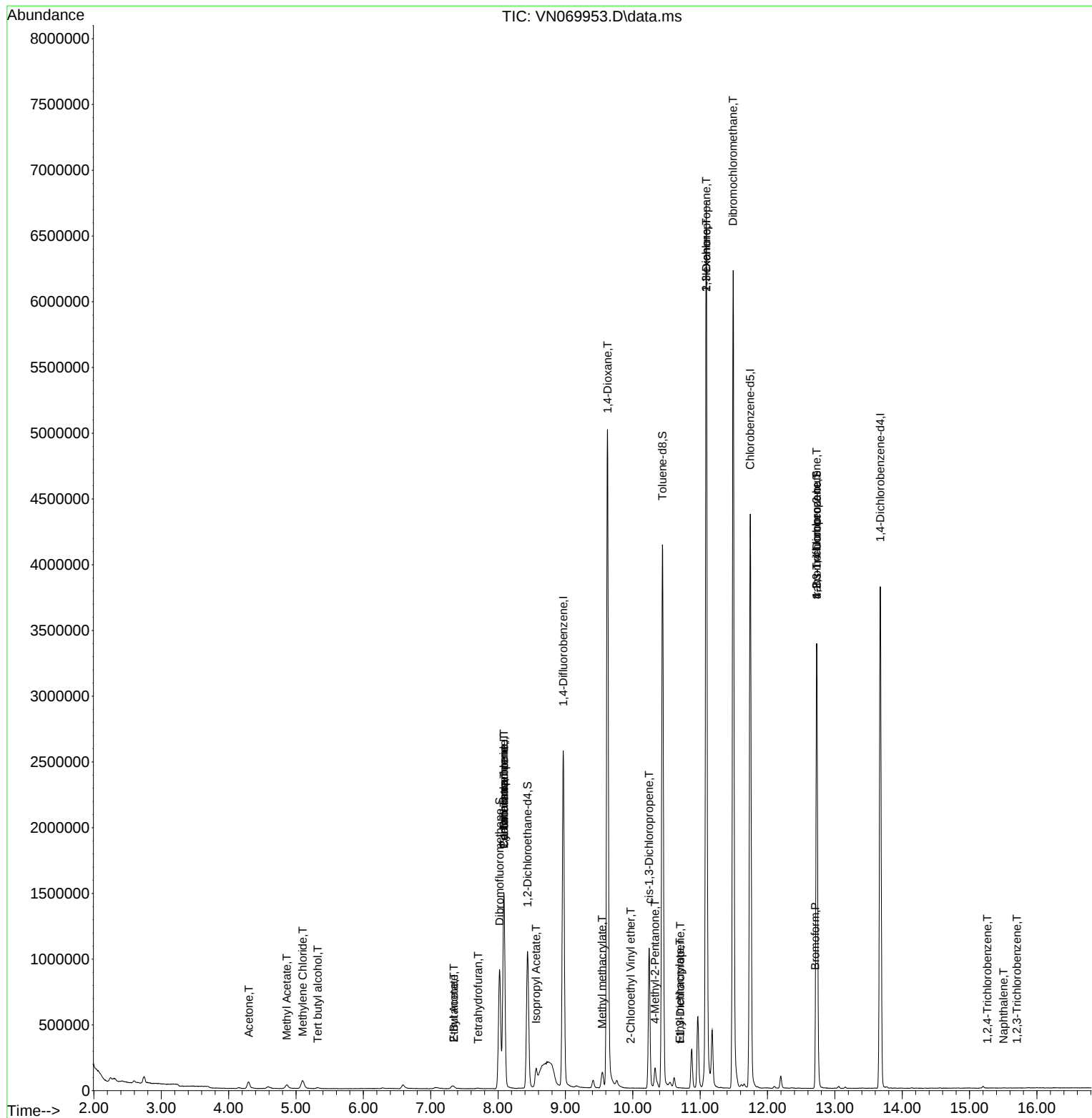
Internal Standards						
1) Pentafluorobenzene	8.086	168	1099011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2143034	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2437291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1009787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	903139	53.224	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.440%			
35) Dibromofluoromethane	8.024	113	661632	49.289	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.580%			
50) Toluene-d8	10.440	98	2821870	52.354	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.700%			
62) 4-Bromofluorobenzene	12.731	95	1157068	59.256	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 118.520%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.323	59	7714	2.405	ug/l #	71
16) Acetone	4.299	43	91907	9.004	ug/l	93
18) Methyl Acetate	4.862	43	64489	2.093	ug/l #	85
20) Methylene Chloride	5.101	84	43250	3.187	ug/l	90
25) 2-Butanone	7.343	43	17803	1.284	ug/l #	85
29) Tetrahydrofuran	7.702	42	3708	0.440	ug/l #	72
31) Cyclohexane	8.086	56	28579	1.210	ug/l #	31
36) 1,1-Dichloropropene	8.086	75	95483	4.680	ug/l #	48
37) Ethyl Acetate	7.343	43	17803	0.586	ug/l #	71
38) Carbon Tetrachloride	8.086	117	112967	5.647	ug/l #	17
43) Isopropyl Acetate	8.566	43	182941	4.071	ug/l #	77
48) Methyl methacrylate	9.545	41	32090	1.530	ug/l #	8
49) 1,4-Dioxane	9.628	88	567	1.507	ug/l #	1
51) 4-Methyl-2-Pentanone	10.331	43	133544	4.581	ug/l #	83
53) t-1,3-Dichloropropene	10.706	75	53	2.796	ug/l #	43
54) cis-1,3-Dichloropropene	10.242	75	168967	8.178	ug/l #	72
56) Ethyl methacrylate	10.698	69	567	2.298	ug/l #	24
57) 1,3-Dichloropropane	11.090	76	65220	2.411	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.971	63	25	18.392	ug/l #	45
59) 2-Hexanone	11.090	43	1224655	55.537	ug/l #	47
60) Dibromochloromethane	11.489	129	914	2.429	ug/l #	11
71) Bromoform	12.709	173	214	2.744	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	650151	22.451	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	650151	71.573	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	127	2.885	ug/l #	75
95) Naphthalene	15.504	128	1144	4.006	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.703	180	130	2.443	ug/l #	12

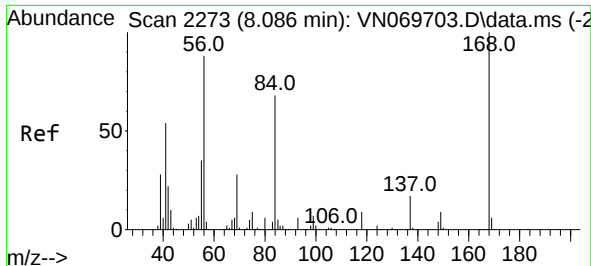
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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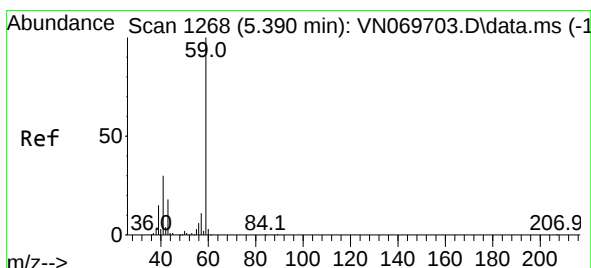
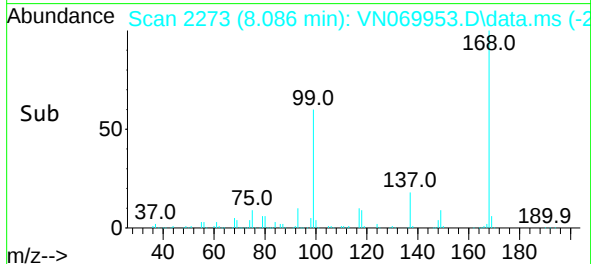
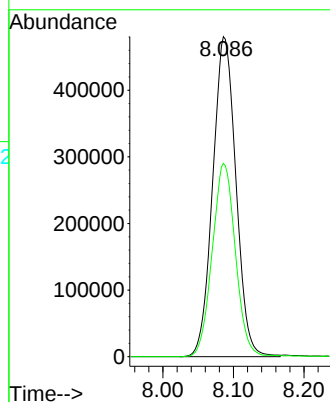
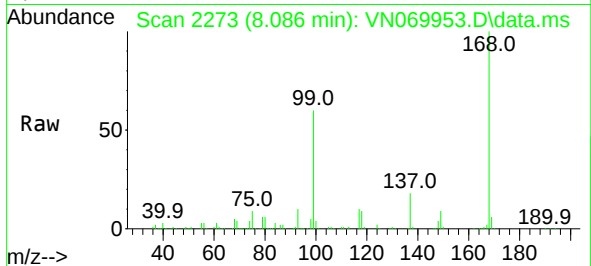




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069953.D
Acq: 10 Dec 2021 9:43

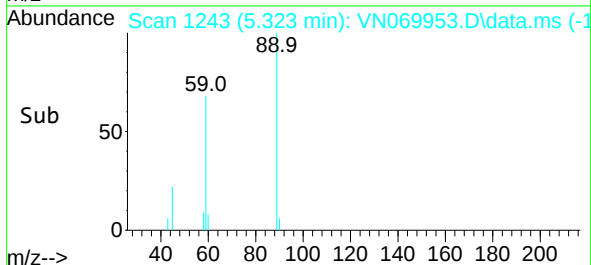
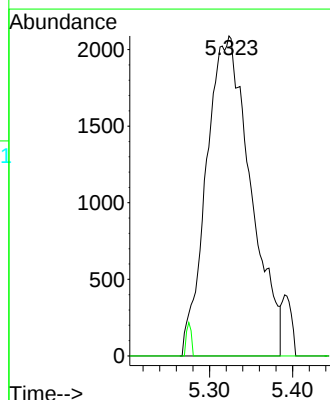
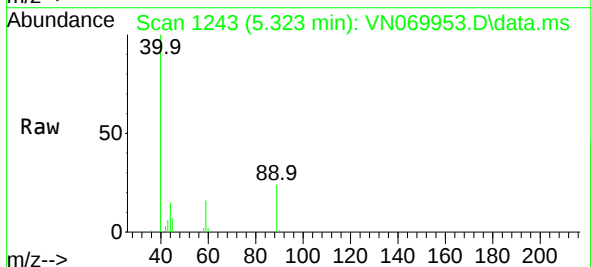
Instrument :
MSVOA_N
ClientSampleId :
WHITE-BROWN-CONCRETE-COMP

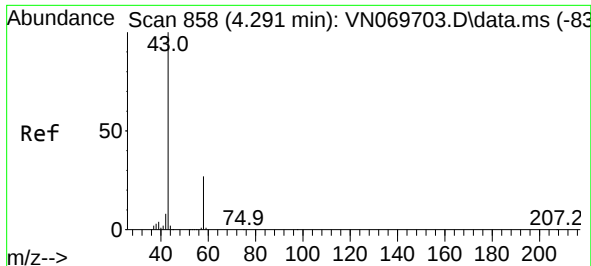
Tgt Ion:168 Resp: 1099011
Ion Ratio Lower Upper
168 100
99 60.4 41.3 61.9



#11
Tert butyl alcohol
Concen: 2.405 ug/l
RT: 5.323 min Scan# 1243
Delta R.T. -0.067 min
Lab File: VN069953.D
Acq: 10 Dec 2021 9:43

Tgt Ion: 59 Resp: 7714
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

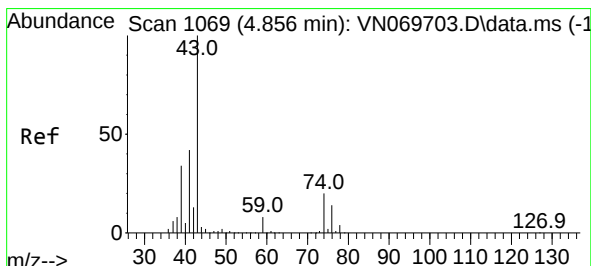
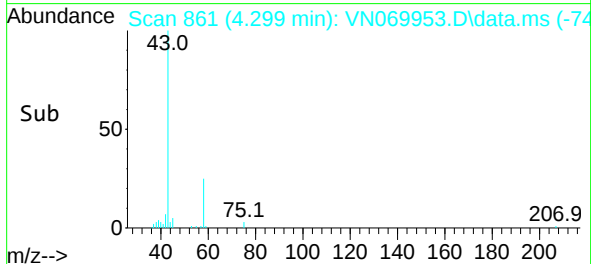
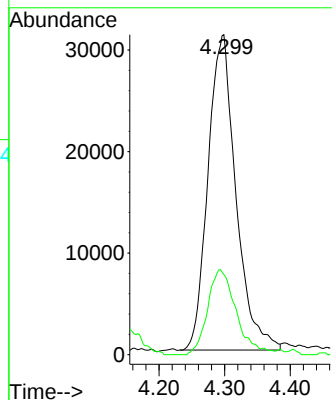
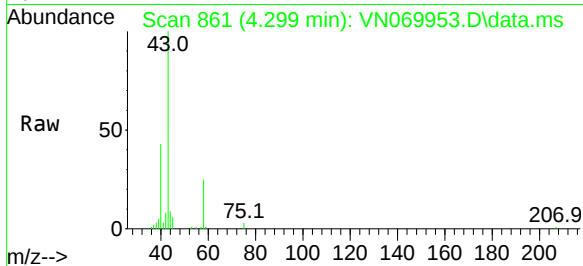




#16
Acetone
Concen: 9.004 ug/l
RT: 4.299 min Scan# 80
Delta R.T. 0.008 min
Lab File: VN069953.D
Acq: 10 Dec 2021 9:43

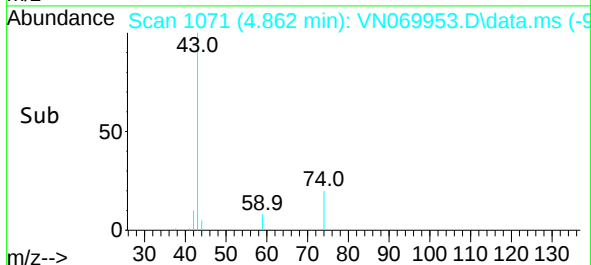
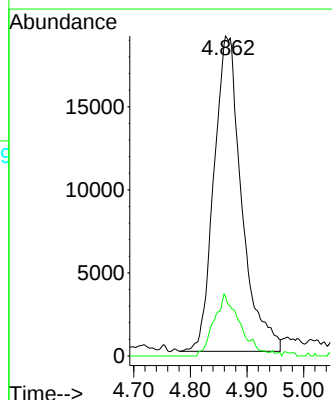
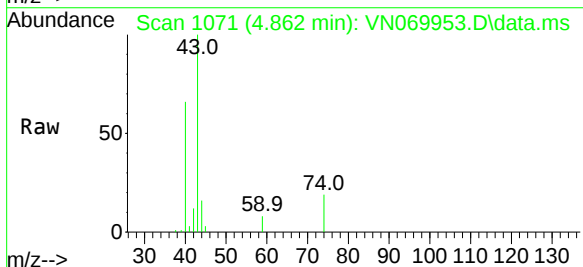
Instrument :
MSVOA_N
ClientSampleId :
WHITE-BROWN-CONCRETE-COMP

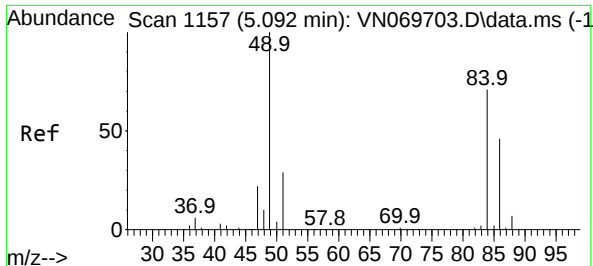
Tgt Ion: 43 Resp: 91907
Ion Ratio Lower Upper
43 100
58 25.4 23.1 34.7



#18
Methyl Acetate
Concen: 2.093 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VN069953.D
Acq: 10 Dec 2021 9:43

Tgt Ion: 43 Resp: 64489
Ion Ratio Lower Upper
43 100
74 16.8 19.4 29.2#





#20

Methylene Chloride

Concen: 3.187 ug/l

RT: 5.101 min Scan# 1157

Delta R.T. 0.008 min

Lab File: VN069953.D

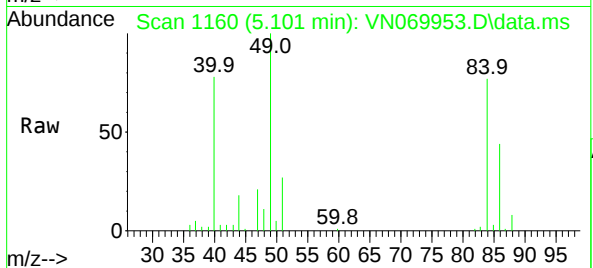
Acq: 10 Dec 2021 9:43

Instrument :

MSVOA_N

ClientSampleId :

WHITE-BROWN-CONCRETE-COMP



Tgt Ion: 84 Resp: 43250

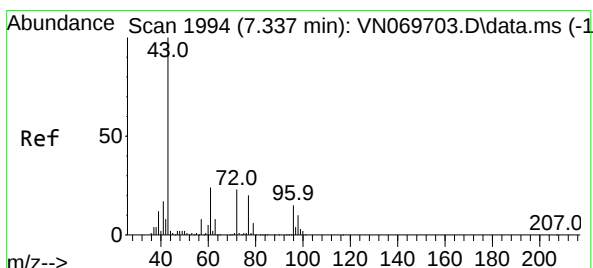
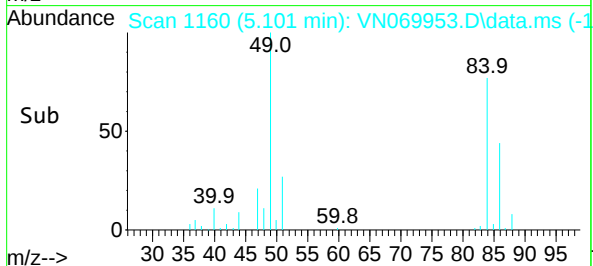
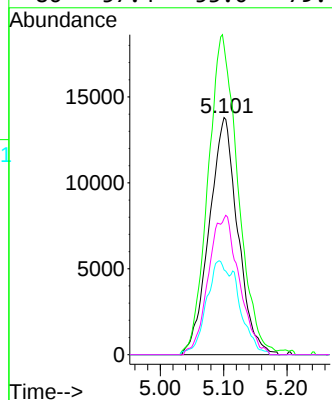
Ion Ratio Lower Upper

84 100

49 130.2 93.5 140.3

51 35.8 29.4 44.2

86 57.4 53.0 79.4



#25

2-Butanone

Concen: 1.284 ug/l

RT: 7.343 min Scan# 1996

Delta R.T. 0.006 min

Lab File: VN069953.D

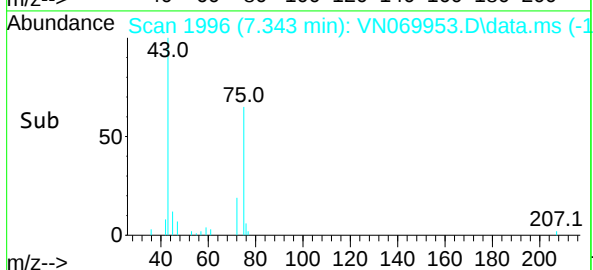
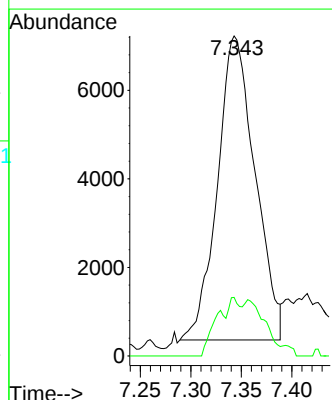
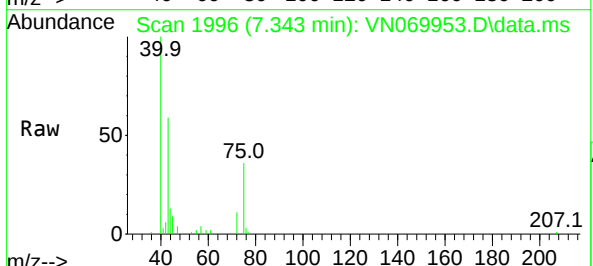
Acq: 10 Dec 2021 9:43

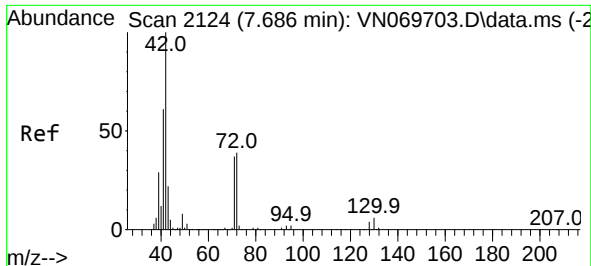
Tgt Ion: 43 Resp: 17803

Ion Ratio Lower Upper

43 100

72 19.3 21.7 32.5#





#29

Tetrahydrofuran

Concen: 0.440 ug/l

RT: 7.702 min Scan# 21

Delta R.T. 0.016 min

Lab File: VN069953.D

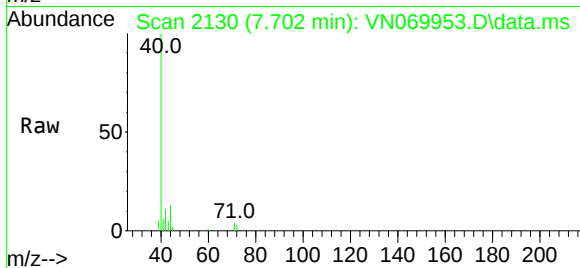
Acq: 10 Dec 2021 9:43

Instrument :

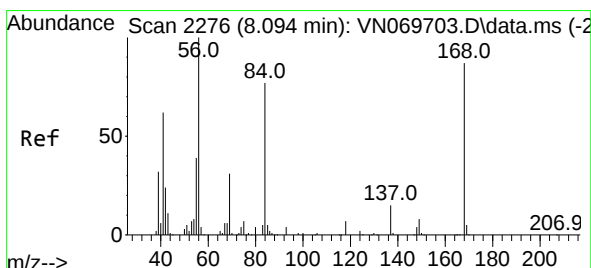
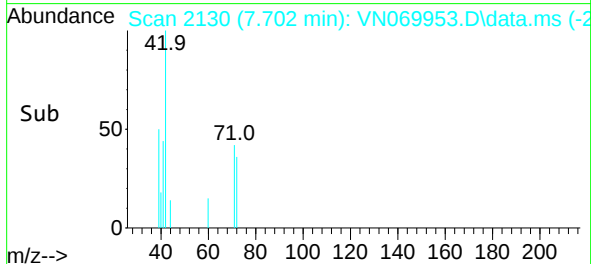
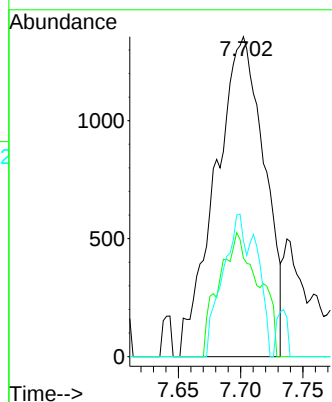
MSVOA_N

ClientSampleId :

WHITE-BROWN-CONCRETE-COMP



Tgt Ion:	42	Resp:	3708
Ion Ratio	Lower	Upper	
42	100		
72	31.3	36.3	54.5#
71	20.8	34.7	52.1#



#31

Cyclohexane

Concen: 1.210 ug/l

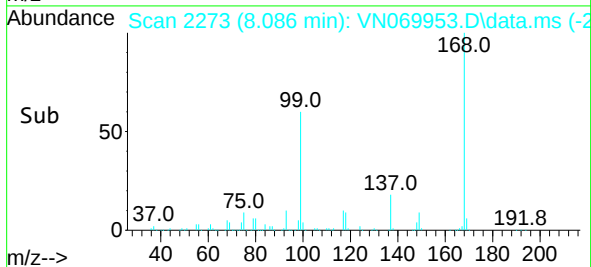
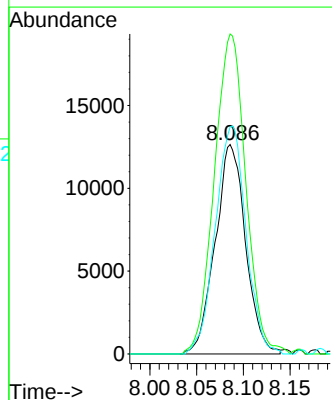
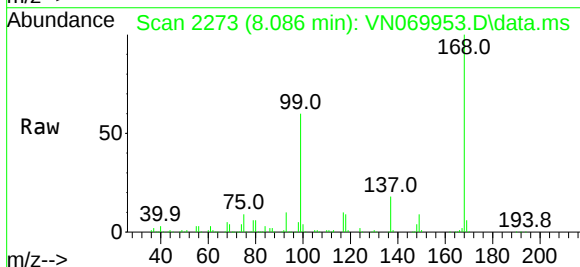
RT: 8.086 min Scan# 2273

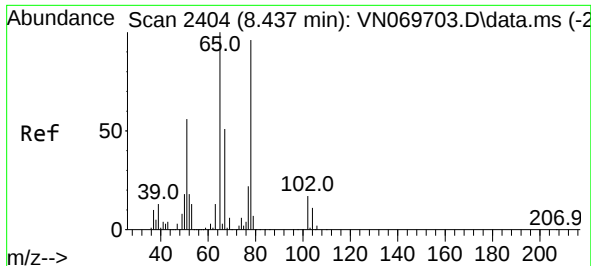
Delta R.T. -0.008 min

Lab File: VN069953.D

Acq: 10 Dec 2021 9:43

Tgt Ion:	56	Resp:	28579
Ion Ratio	Lower	Upper	
56	100		
69	152.8	27.1	40.7#
84	108.4	73.4	110.0





#33

1,2-Dichloroethane-d4

Concen: 53.224 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN069953.D

Acq: 10 Dec 2021 9:43

Instrument :

MSVOA_N

ClientSampleId :

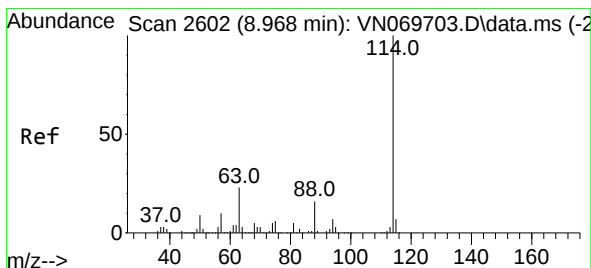
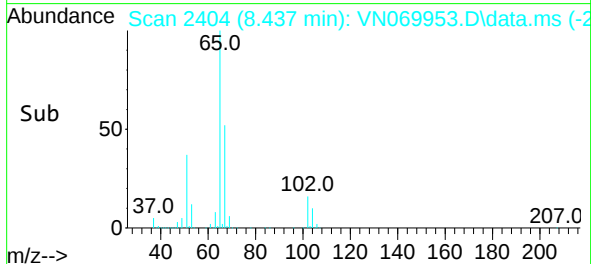
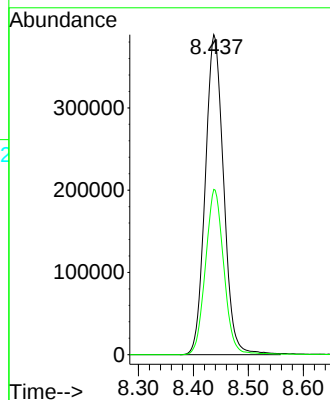
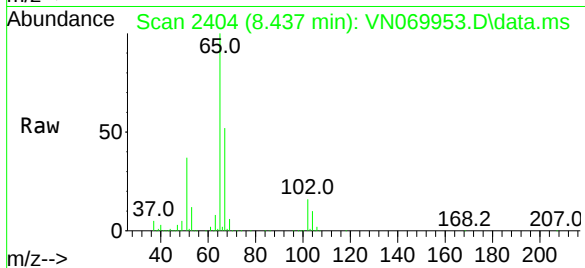
WHITE-BROWN-CONCRETE-COMP

Tgt Ion: 65 Resp: 903139

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# 2602

Delta R.T. 0.000 min

Lab File: VN069953.D

Acq: 10 Dec 2021 9:43

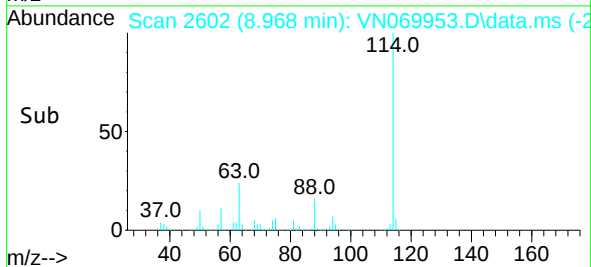
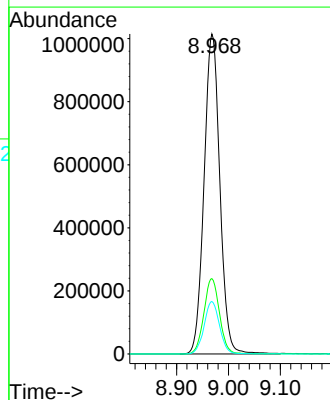
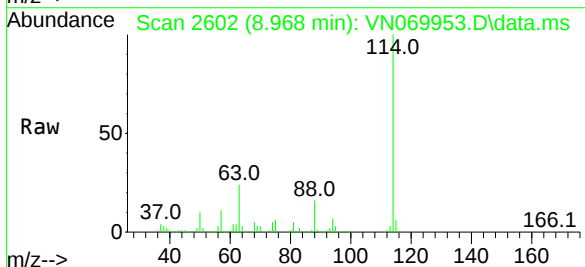
Tgt Ion: 114 Resp: 2143034

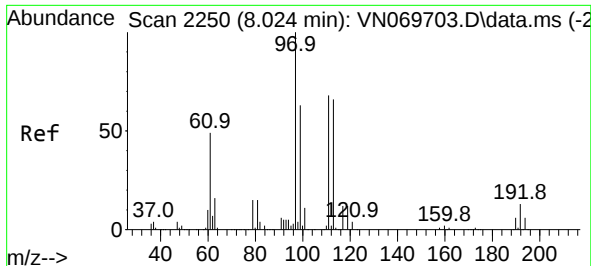
Ion Ratio Lower Upper

114 100

63 23.6 0.0 37.8

88 16.4 0.0 27.4

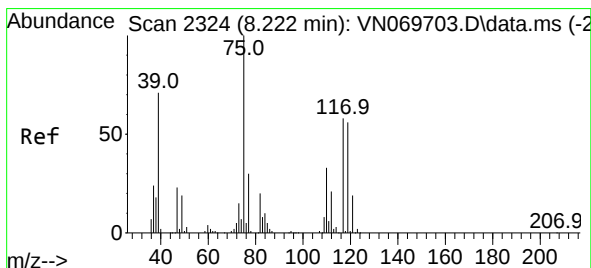
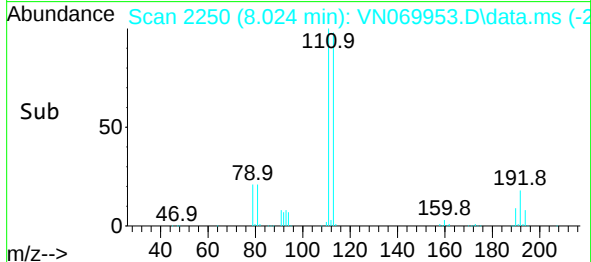
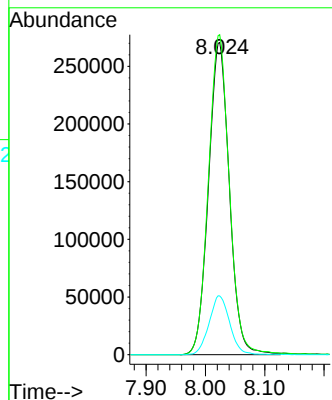
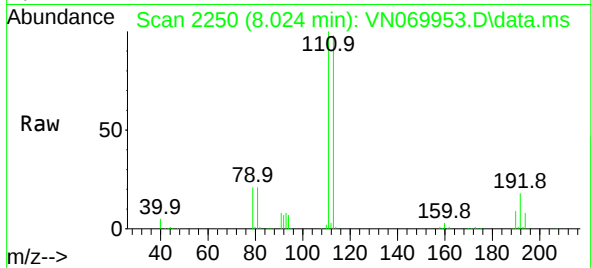




#35
Dibromofluoromethane
Concen: 49.289 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN069953.D
Acq: 10 Dec 2021 9:43

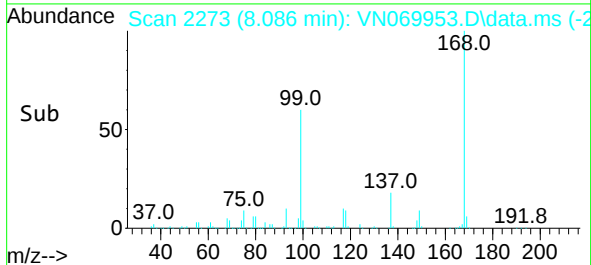
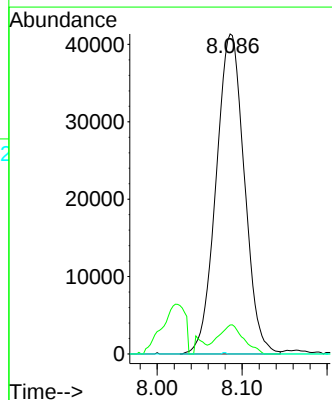
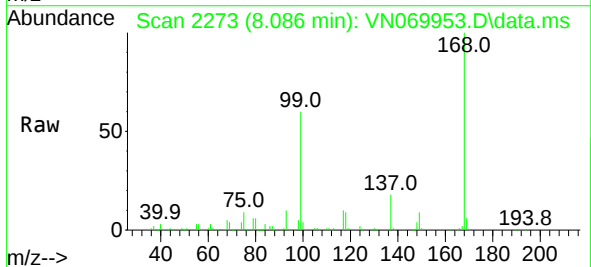
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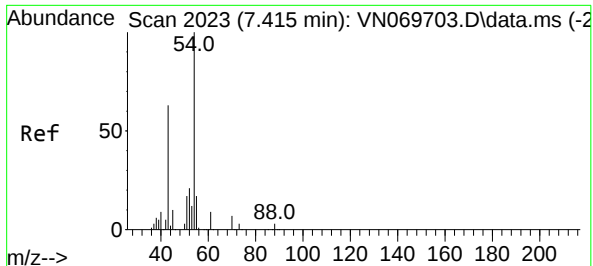
Tgt Ion:113 Resp: 661632
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 18.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.680 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069953.D
Acq: 10 Dec 2021 9:43

Tgt Ion: 75 Resp: 95483
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.1 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.586 ug/l

RT: 7.343 min Scan# 11

Delta R.T. -0.072 min

Lab File: VN069953.D

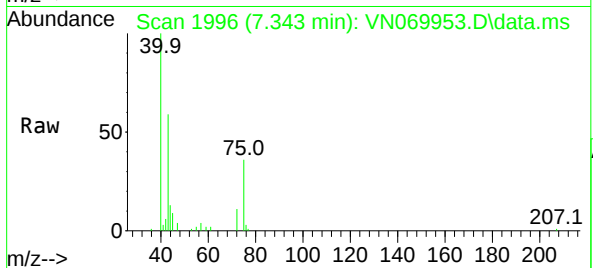
Acq: 10 Dec 2021 9:43

Instrument :

MSVOA_N

ClientSampleId :

WHITE-BROWN-CONCRETE-COMP



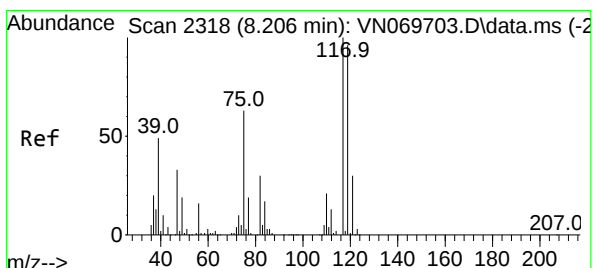
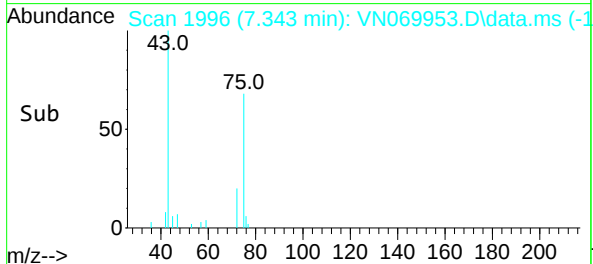
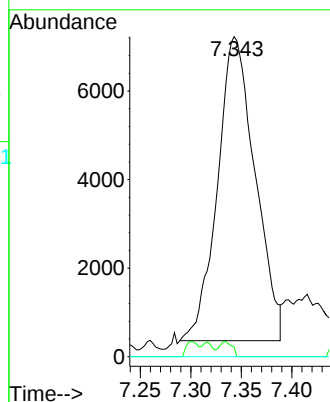
Tgt Ion: 43 Resp: 17803

Ion Ratio Lower Upper

43 100

61 1.7 11.5 17.3#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 5.647 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.120 min

Lab File: VN069953.D

Acq: 10 Dec 2021 9:43

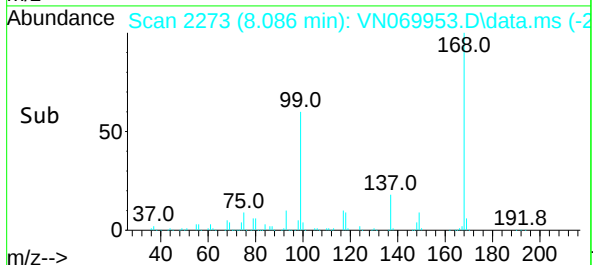
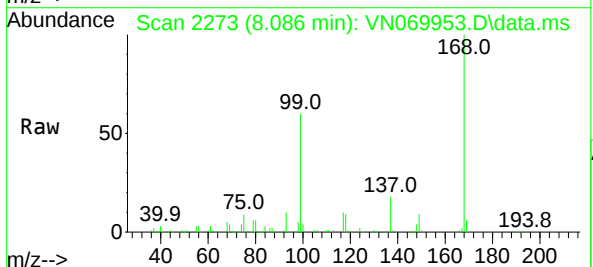
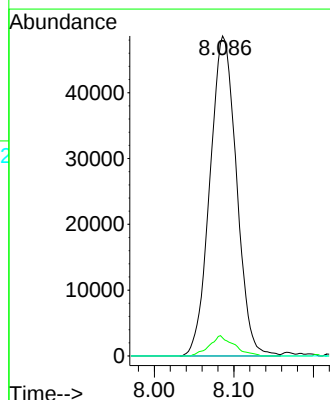
Tgt Ion: 117 Resp: 112967

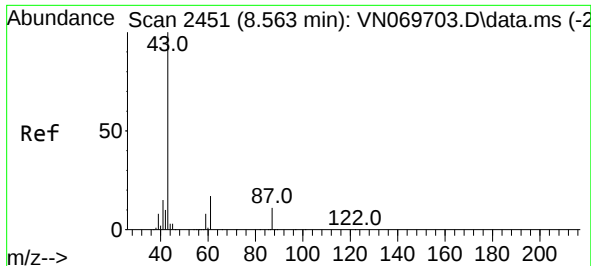
Ion Ratio Lower Upper

117 100

119 5.7 76.1 114.1#

121 0.0 24.2 36.2#

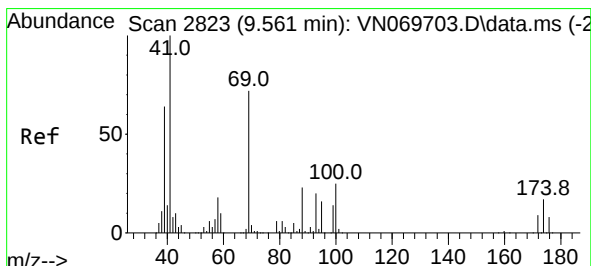
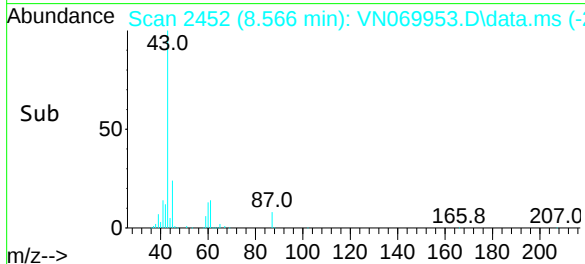
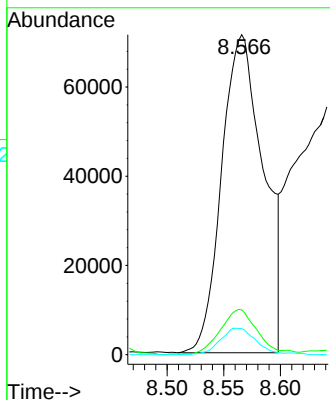
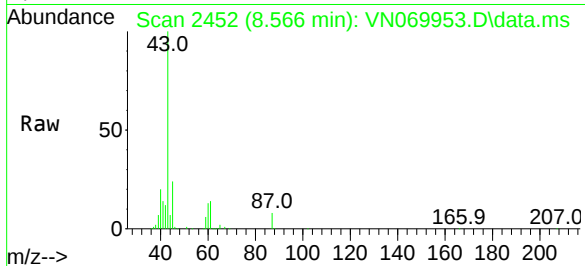




#43
Isopropyl Acetate
Concen: 4.071 ug/l
RT: 8.566 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN069953.D
Acq: 10 Dec 2021 9:43

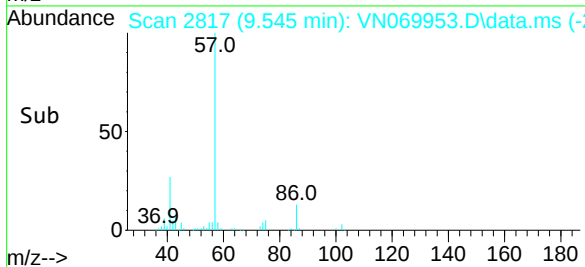
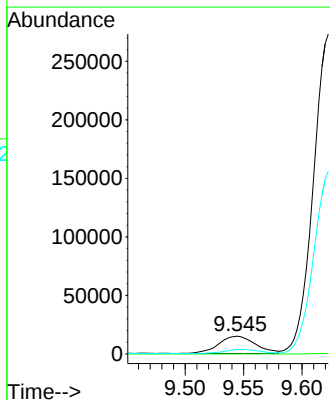
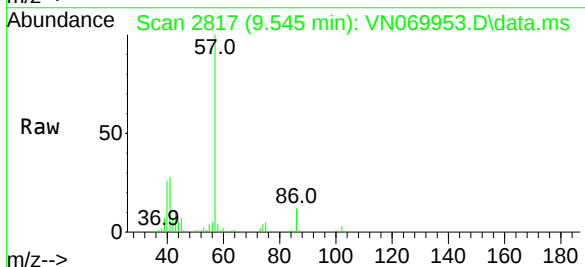
Instrument : MSVOA_N
ClientSampleId : WHITE-BROWN-CONCRETE-COMP

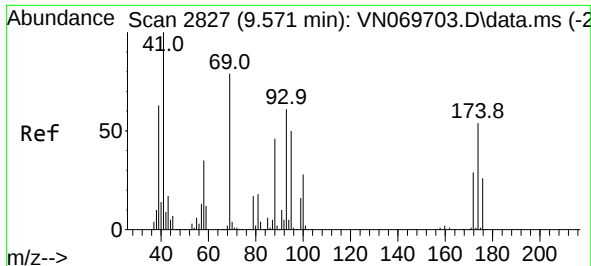
Tgt Ion: 43 Resp: 182941
Ion Ratio Lower Upper
43 100
61 12.4 20.4 30.6#
87 7.0 11.2 16.8#



#48
Methyl methacrylate
Concen: 1.530 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069953.D
Acq: 10 Dec 2021 9:43

Tgt Ion: 41 Resp: 32090
Ion Ratio Lower Upper
41 100
69 0.1 72.4 108.6#
39 0.0 58.4 87.6#





#49

1,4-Dioxane

Concen: 1.507 ug/l

RT: 9.628 min Scan# 21

Delta R.T. 0.057 min

Lab File: VN069953.D

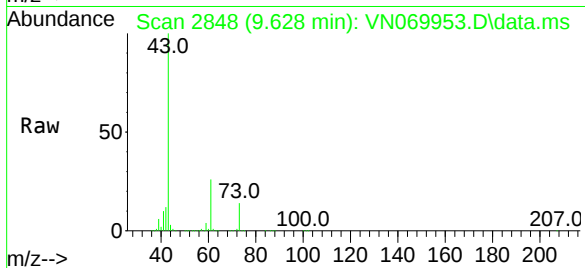
Acq: 10 Dec 2021 9:43

Instrument :

MSVOA_N

ClientSampleId :

WHITE-BROWN-CONCRETE-COMP



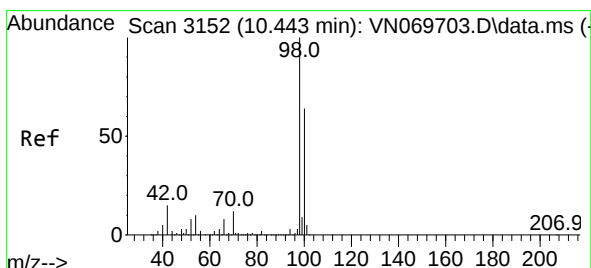
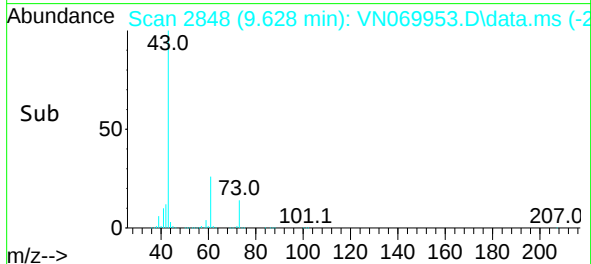
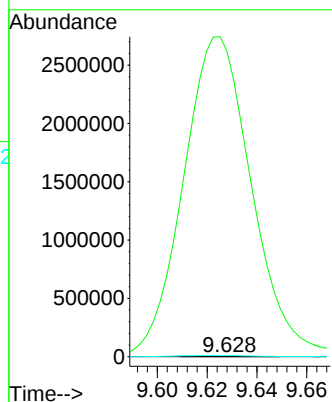
Tgt Ion: 88 Resp: 567

Ion Ratio Lower Upper

88 100

43 940479.9 23.4 35.2#

58 3745.9 50.6 75.8#



#50

Toluene-d8

Concen: 52.354 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. -0.002 min

Lab File: VN069953.D

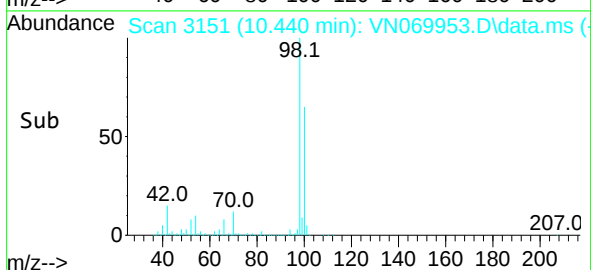
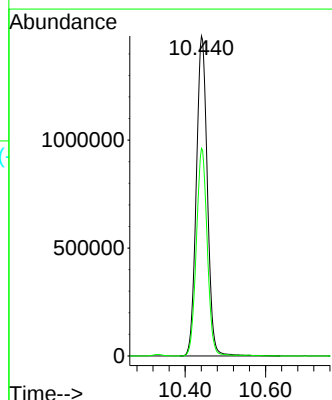
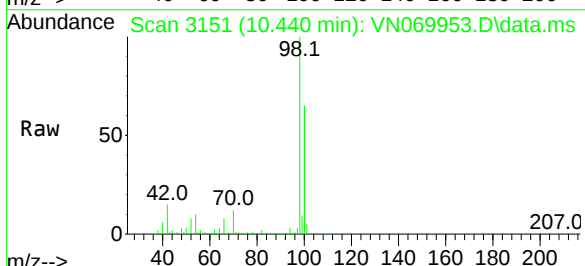
Acq: 10 Dec 2021 9:43

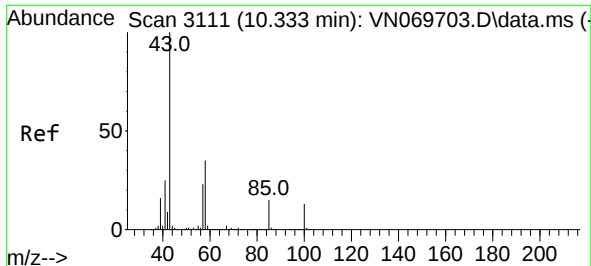
Tgt Ion: 98 Resp: 2821870

Ion Ratio Lower Upper

98 100

100 64.0 50.4 75.6

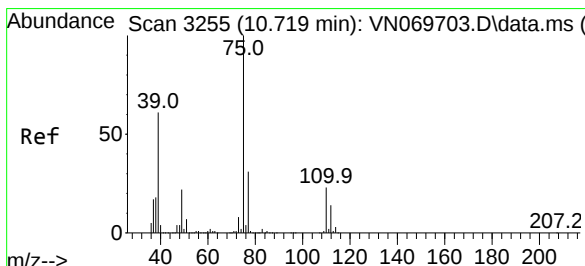
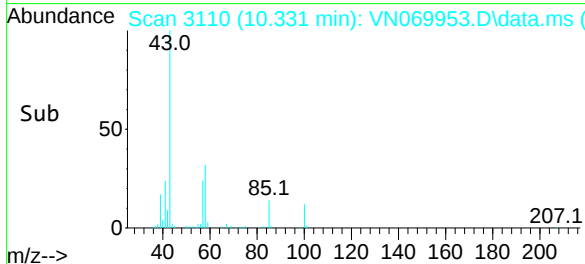
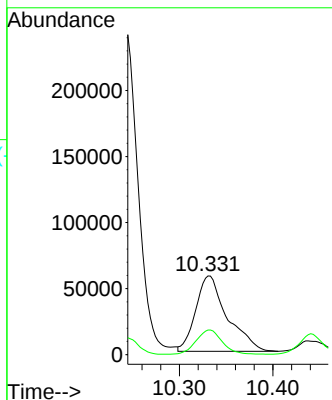
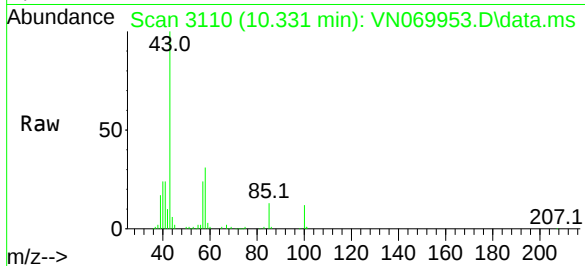




#51
4-Methyl-2-Pentanone
Concen: 4.581 ug/l
RT: 10.331 min Scan# 3111
Delta R.T. -0.002 min
Lab File: VN069953.D
Acq: 10 Dec 2021 9:43

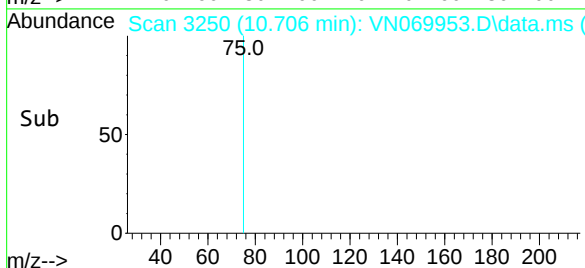
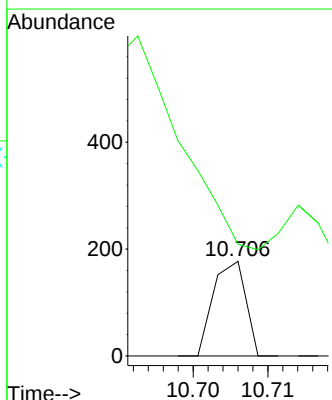
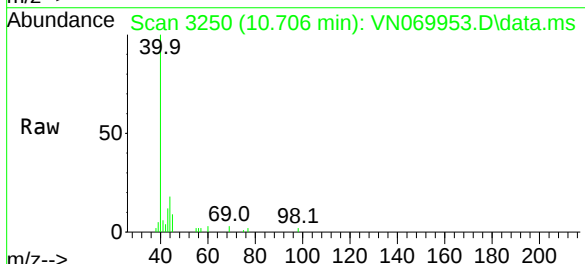
Instrument : MSVOA_N
ClientSampleId : WHITE-BROWN-CONCRETE-COMP

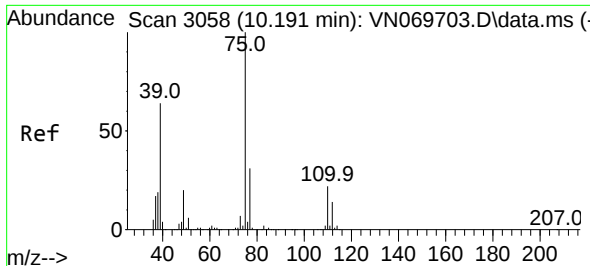
Tgt Ion: 43 Resp: 133544
Ion Ratio Lower Upper
43 100
58 27.7 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 2.796 ug/l
RT: 10.706 min Scan# 3250
Delta R.T. -0.013 min
Lab File: VN069953.D
Acq: 10 Dec 2021 9:43

Tgt Ion: 75 Resp: 53
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#

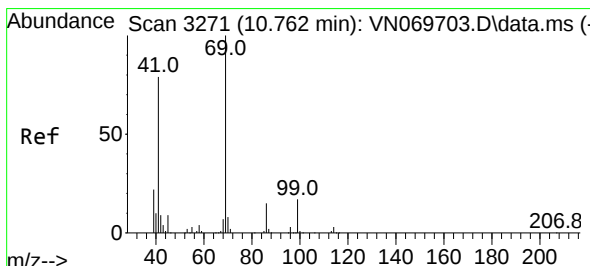
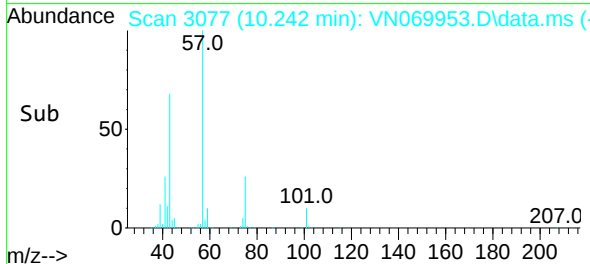
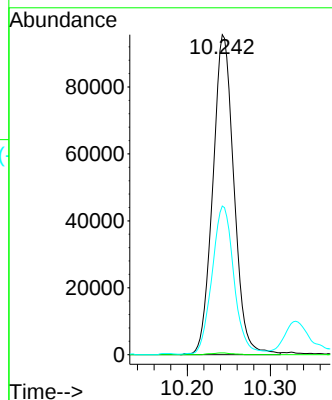
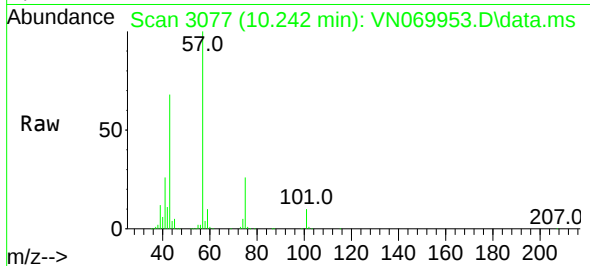




#54
cis-1,3-Dichloropropene
Concen: 8.178 ug/l
RT: 10.242 min Scan# 3058
Delta R.T. 0.051 min
Lab File: VN069953.D
Acq: 10 Dec 2021 9:43

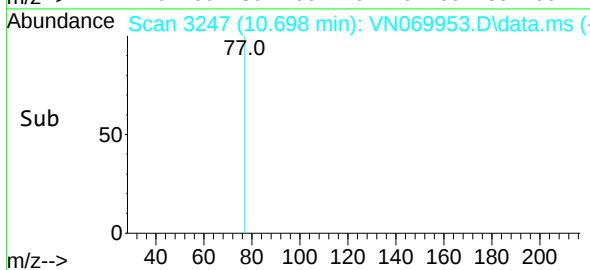
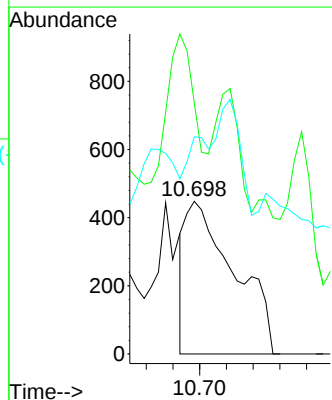
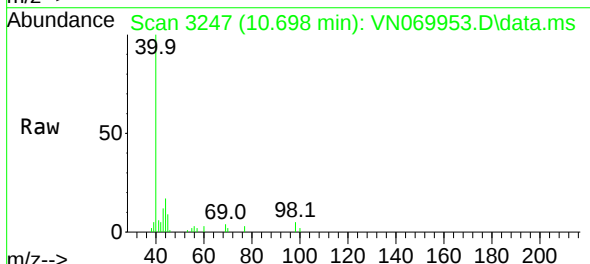
Instrument :
MSVOA_N
ClientSampleId :
WHITE-BROWN-CONCRETE-COMP

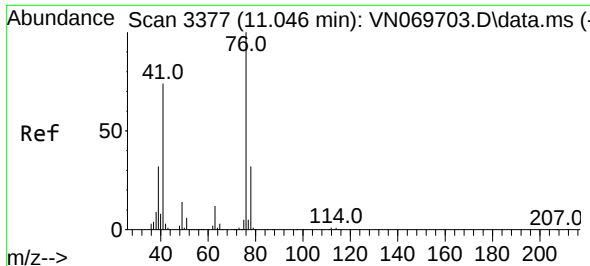
Tgt Ion: 75 Resp: 168967
Ion Ratio Lower Upper
75 100
77 0.6 26.4 39.6#
39 46.3 42.5 63.7



#56
Ethyl methacrylate
Concen: 2.298 ug/l
RT: 10.698 min Scan# 3247
Delta R.T. -0.064 min
Lab File: VN069953.D
Acq: 10 Dec 2021 9:43

Tgt Ion: 69 Resp: 567
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: 2.411 ug/l

RT: 11.090 min Scan# 31

Delta R.T. 0.043 min

Lab File: VN069953.D

Acq: 10 Dec 2021 9:43

Instrument :

MSVOA_N

ClientSampleId :

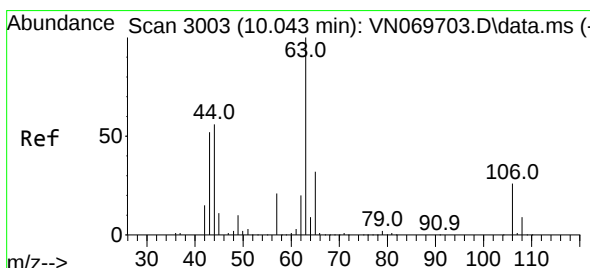
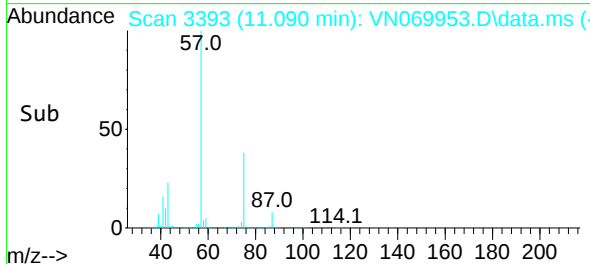
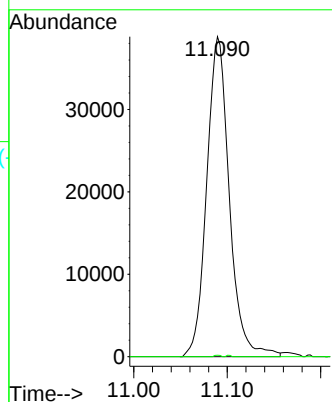
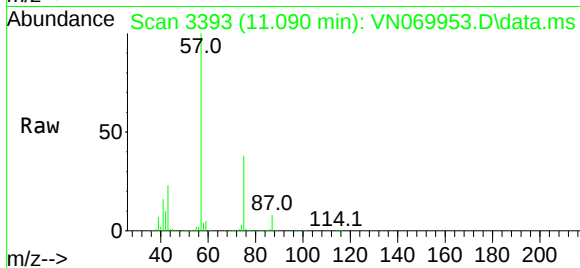
WHITE-BROWN-CONCRETE-COMP

Tgt Ion: 76 Resp: 65220

Ion Ratio Lower Upper

76 100

78 0.1 25.7 38.5#



#58

2-Chloroethyl Vinyl ether

Concen: 18.392 ug/l

RT: 9.971 min Scan# 2976

Delta R.T. -0.072 min

Lab File: VN069953.D

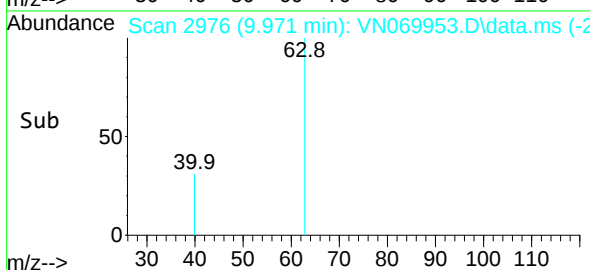
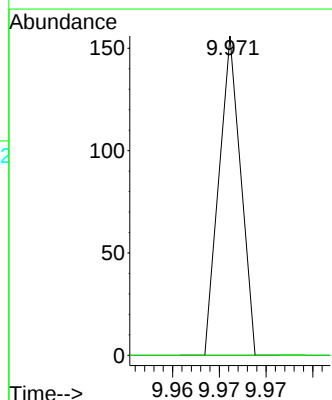
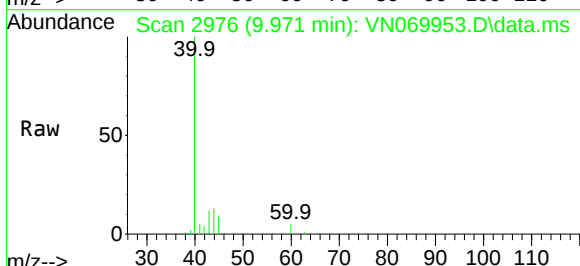
Acq: 10 Dec 2021 9:43

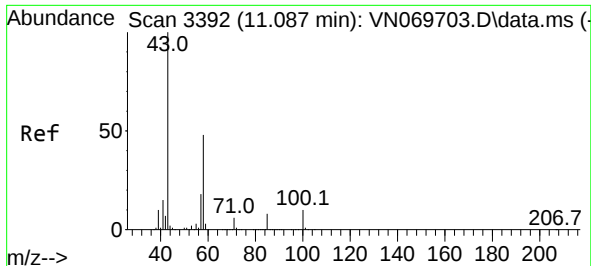
Tgt Ion: 63 Resp: 25

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#

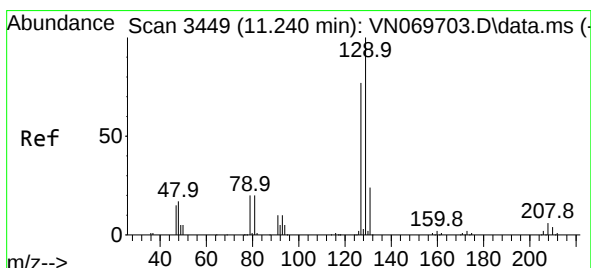
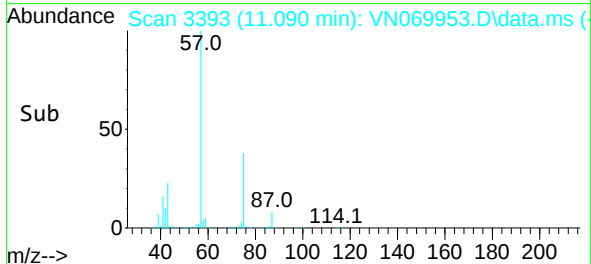
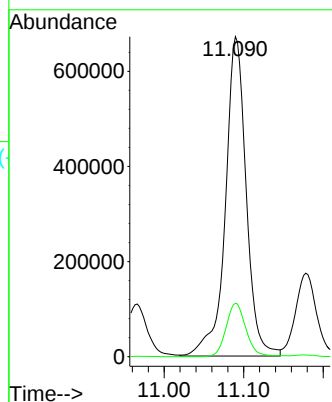
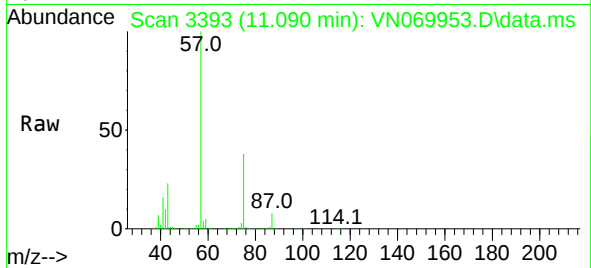




#59
2-Hexanone
Concen: 55.537 ug/l
RT: 11.090 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN069953.D
Acq: 10 Dec 2021 9:43

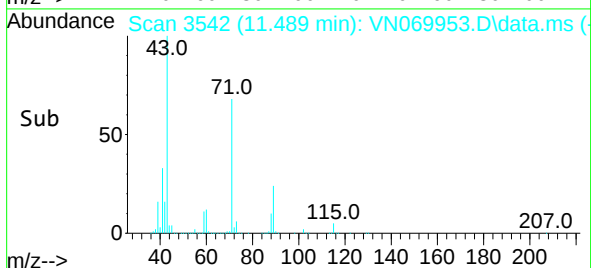
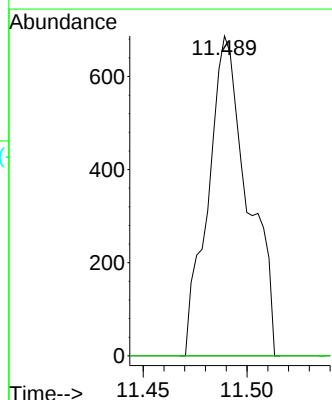
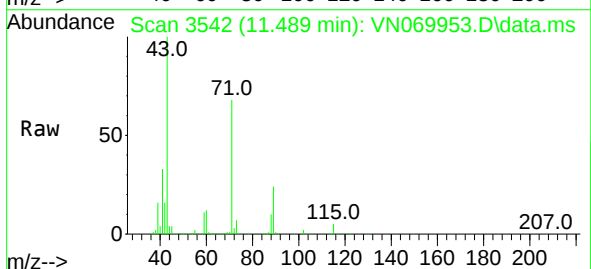
Instrument :
MSVOA_N
ClientSampleId :
WHITE-BROWN-CONCRETE-COMP

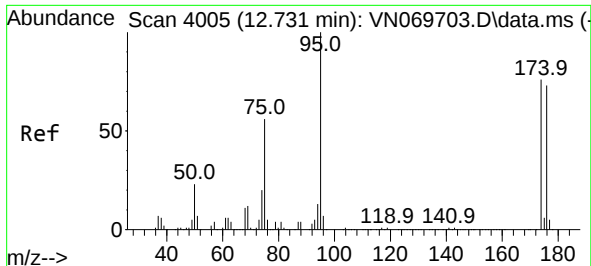
Tgt Ion: 43 Resp: 1224655
Ion Ratio Lower Upper
43 100
58 16.1 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.429 ug/l
RT: 11.489 min Scan# 3542
Delta R.T. 0.249 min
Lab File: VN069953.D
Acq: 10 Dec 2021 9:43

Tgt Ion:129 Resp: 914
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

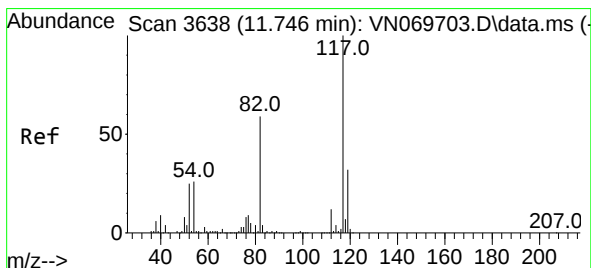
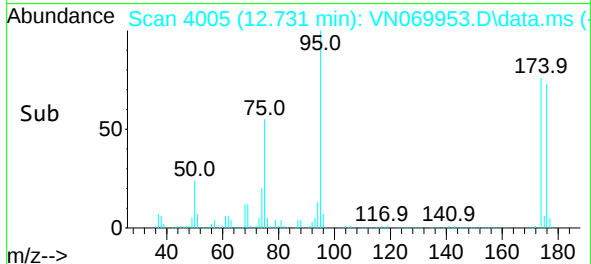
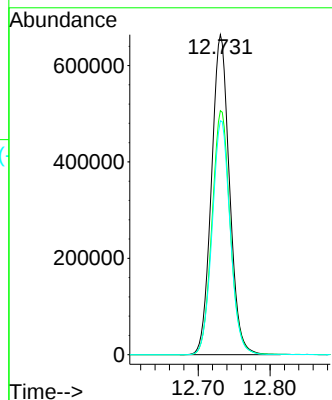
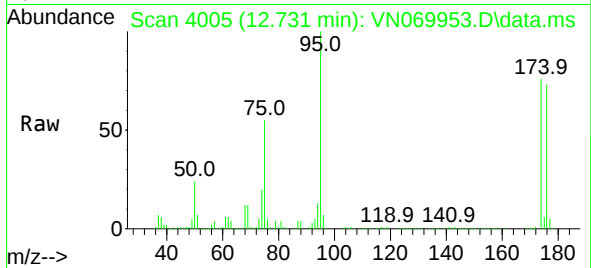




#62
4-Bromofluorobenzene
Concen: 59.256 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069953.D
Acq: 10 Dec 2021 9:43

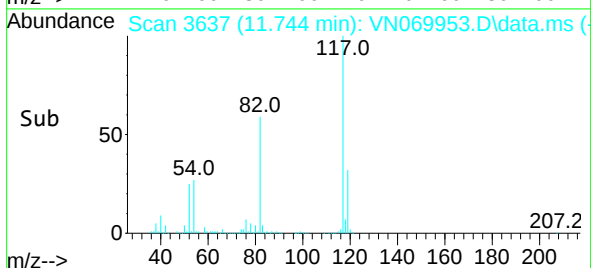
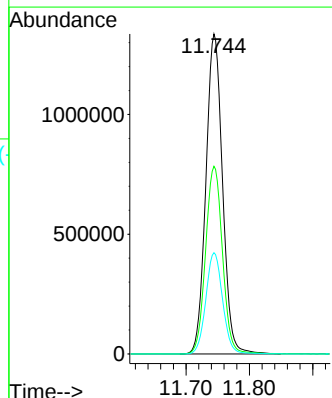
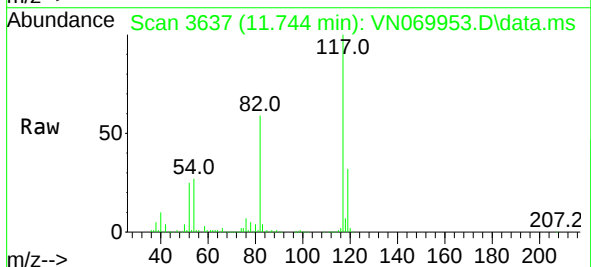
Instrument :
MSVOA_N
ClientSampleId :
WHITE-BROWN-CONCRETE-COMP

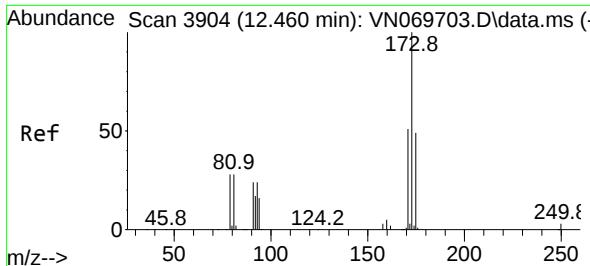
Tgt Ion: 95 Resp: 1157068
Ion Ratio Lower Upper
95 100
174 76.7 0.0 187.2
176 73.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069953.D
Acq: 10 Dec 2021 9:43

Tgt Ion: 117 Resp: 2437291
Ion Ratio Lower Upper
117 100
82 58.7 42.4 63.6
119 31.6 25.4 38.2

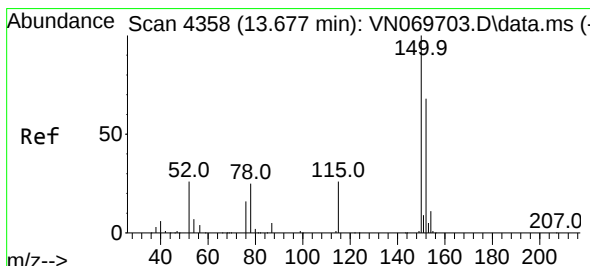
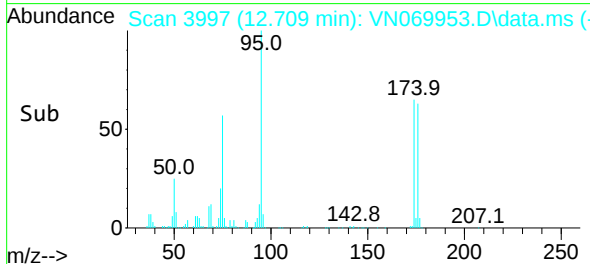
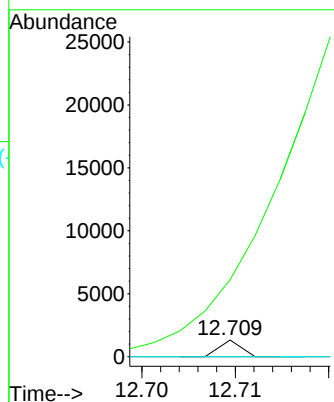
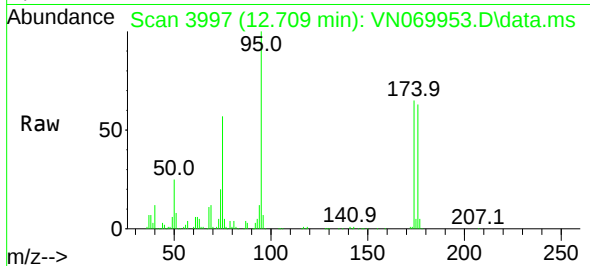




#71
Bromoform
Concen: 2.744 ug/l
RT: 12.709 min Scan# 3904
Delta R.T. 0.249 min
Lab File: VN069953.D
Acq: 10 Dec 2021 9:43

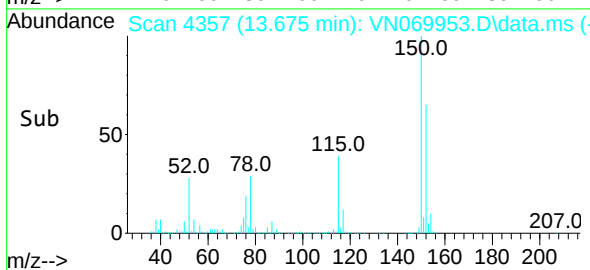
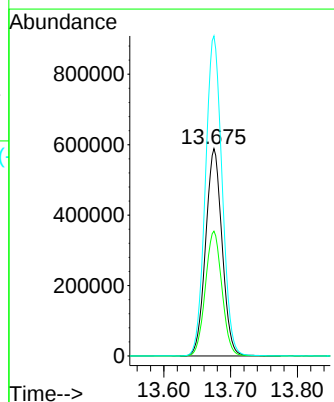
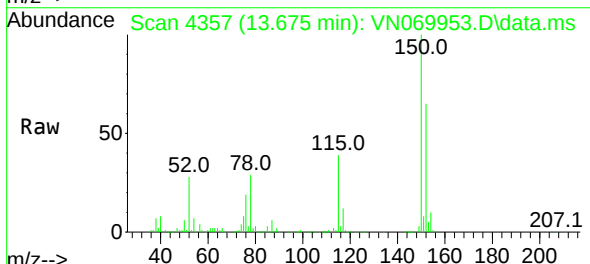
Instrument :
MSVOA_N
ClientSampleId :
WHITE-BROWN-CONCRETE-COMP

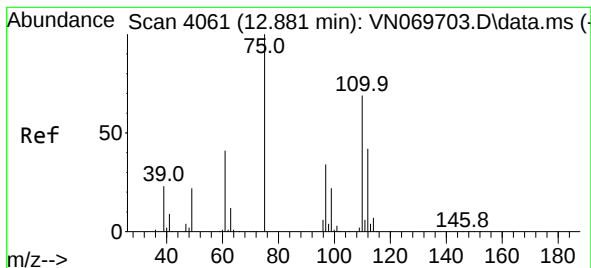
Tgt Ion:173 Resp: 214
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN069953.D
Acq: 10 Dec 2021 9:43

Tgt Ion:152 Resp: 1009787
Ion Ratio Lower Upper
152 100
115 60.6 27.5 82.5
150 156.5 0.0 344.4





#76

1,2,3-Trichloropropane

Concen: 22.451 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.150 min

Lab File: VN069953.D

Acq: 10 Dec 2021 9:43

Instrument :

MSVOA_N

ClientSampleId :

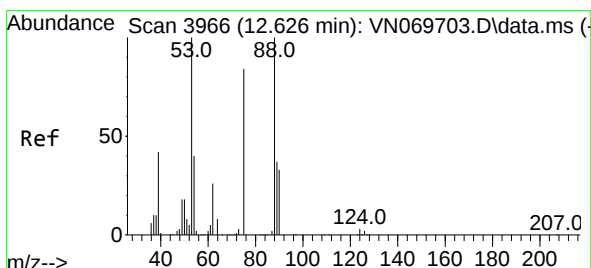
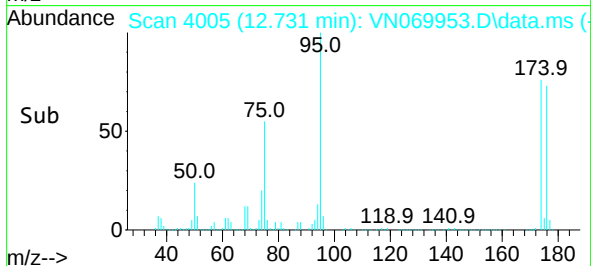
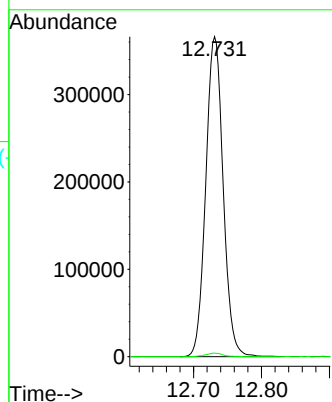
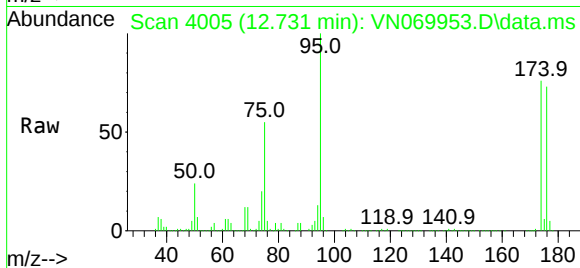
WHITE-BROWN-CONCRETE-COMP

Tgt Ion: 75 Resp: 650151

Ion Ratio Lower Upper

75 100

77 1.1 82.6 247.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.573 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. 0.105 min

Lab File: VN069953.D

Acq: 10 Dec 2021 9:43

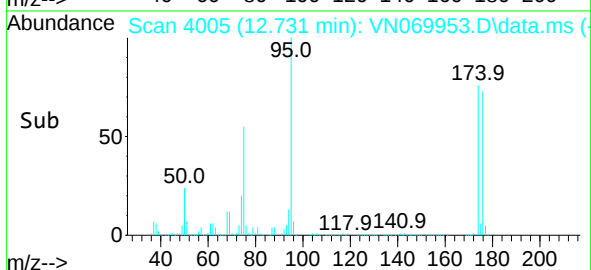
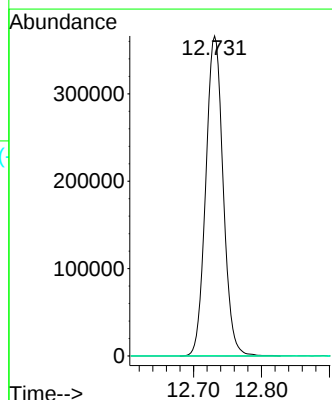
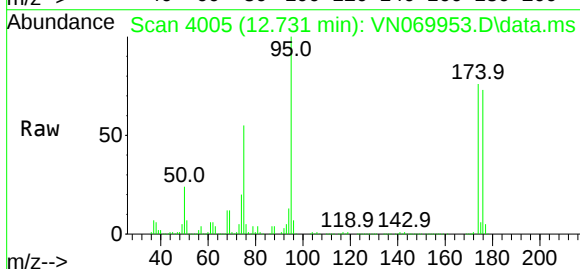
Tgt Ion: 75 Resp: 650151

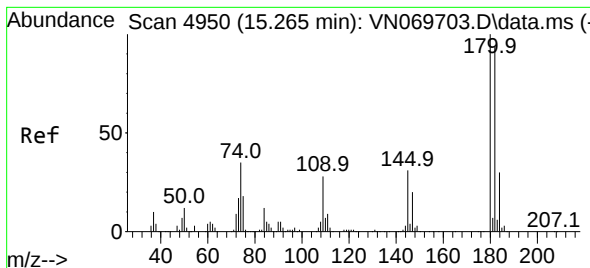
Ion Ratio Lower Upper

75 100

53 0.1 90.5 135.7#

89 0.0 38.2 57.4#





#93

1,2,4-Trichlorobenzene

Concen: 2.885 ug/l

RT: 15.265 min Scan# 4950

Delta R.T. 0.000 min

Lab File: VN069953.D

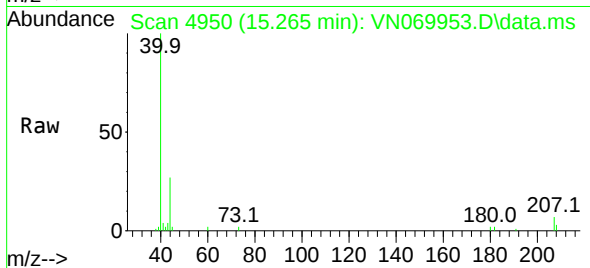
Acq: 10 Dec 2021 9:43

Instrument :

MSVOA_N

ClientSampleId :

WHITE-BROWN-CONCRETE-COMP



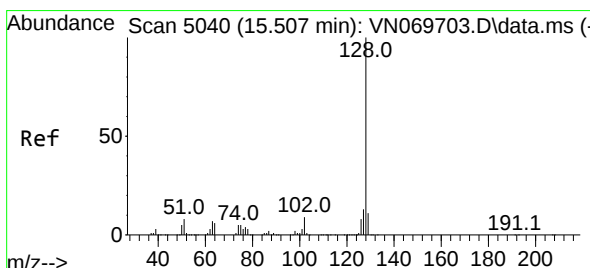
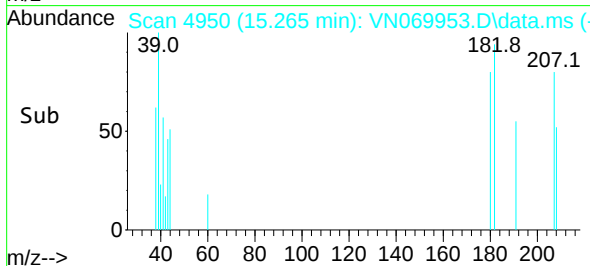
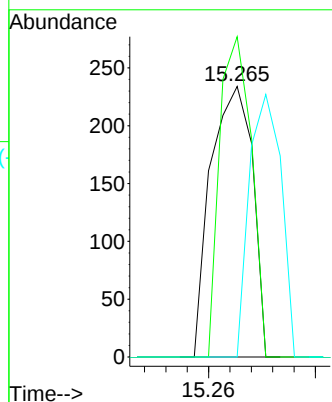
Tgt Ion:180 Resp: 127

Ion Ratio Lower Upper

180 100

182 89.8 48.3 144.9

145 74.0 14.5 43.5#



#95

Naphthalene

Concen: 4.006 ug/l

RT: 15.504 min Scan# 5039

Delta R.T. -0.003 min

Lab File: VN069953.D

Acq: 10 Dec 2021 9:43

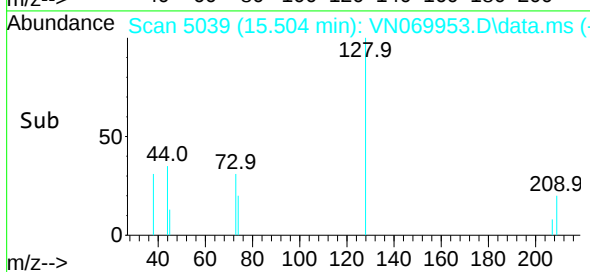
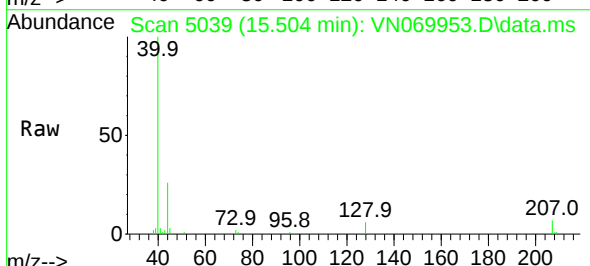
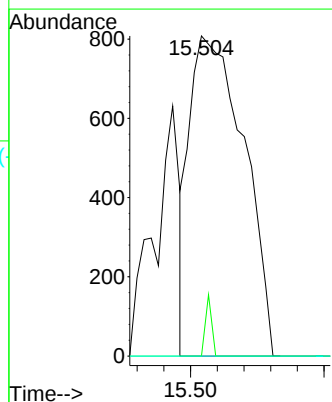
Tgt Ion:128 Resp: 1144

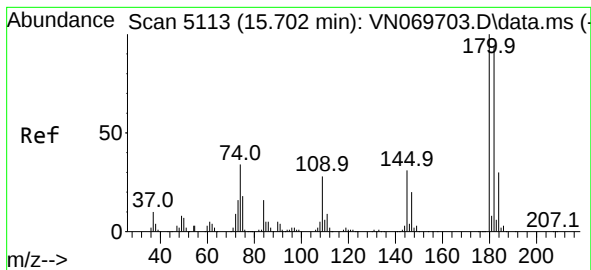
Ion Ratio Lower Upper

128 100

127 2.2 10.5 15.7#

129 0.0 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 2.443 ug/l

RT: 15.703 min Scan# 51

Delta R.T. 0.001 min

Lab File: VN069953.D

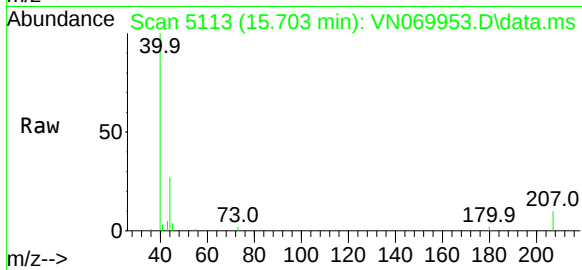
Acq: 10 Dec 2021 9:43

Instrument :

MSVOA_N

ClientSampleId :

WHITE-BROWN-CONCRETE-COMP



Tgt Ion:180 Resp: 130

Ion Ratio Lower Upper

180 100

182 0.0 47.4 142.2#

145 0.0 15.0 45.1#

