

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011323\
 Data File : VN076251.D
 Acq On : 13 Jan 2023 16:15
 Operator : JC\MD
 Sample : 01140-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-5

Quant Time: Jan 16 01:11:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

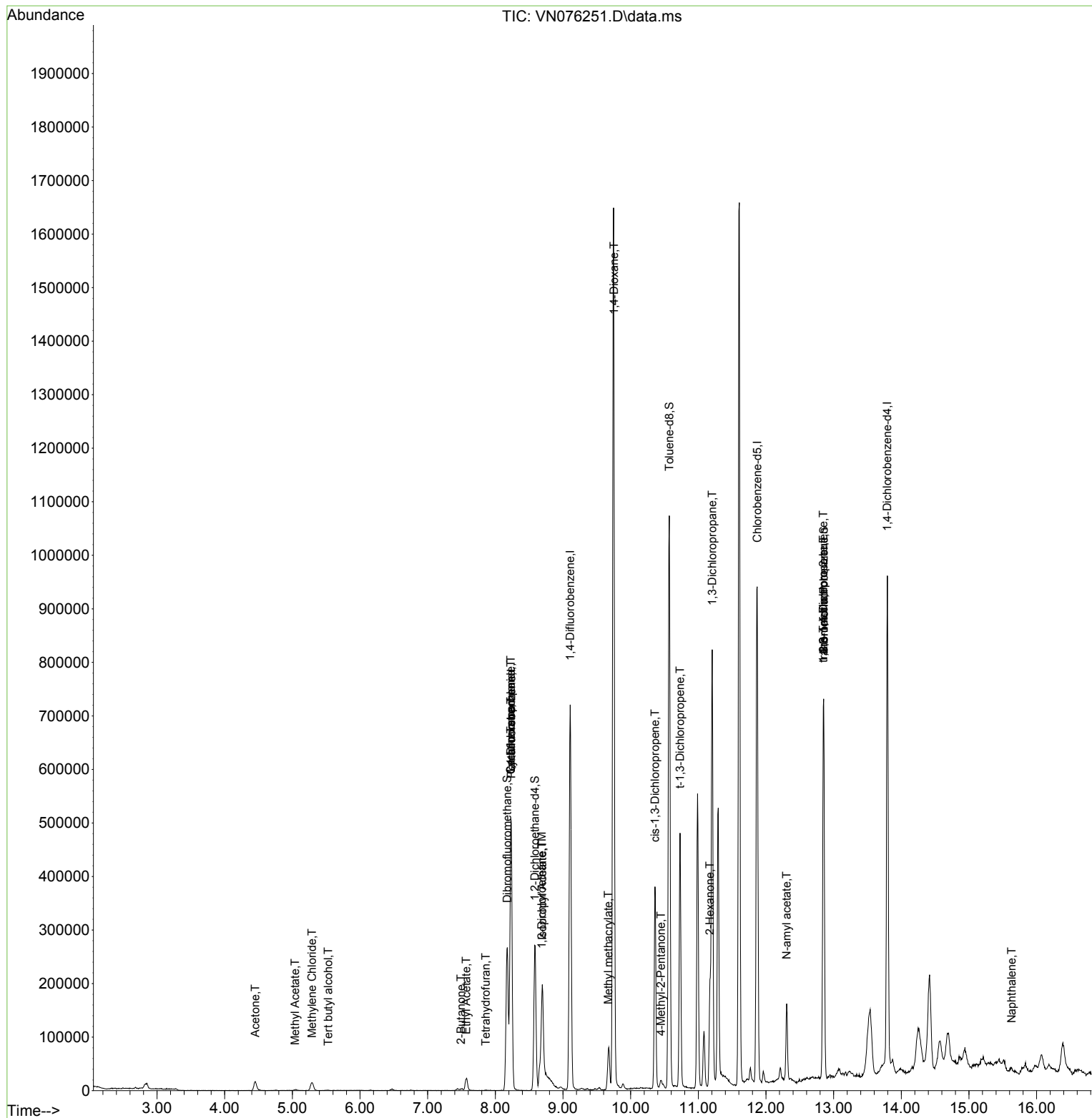
Internal Standards						
1) Pentafluorobenzene	8.235	168	399296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	653185	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	577486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	252408	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	219252	50.473	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.940%			
35) Dibromofluoromethane	8.177	113	190340	47.055	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.100%			
50) Toluene-d8	10.571	98	769122	50.854	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.700%			
62) 4-Bromofluorobenzene	12.853	95	249147	49.737	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.480%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	301	0.490	ug/l #	72
16) Acetone	4.453	43	31573	21.084	ug/l	88
18) Methyl Acetate	5.042	43	3654	0.826	ug/l #	45
20) Methylene Chloride	5.289	84	12878	2.608	ug/l	96
25) 2-Butanone	7.494	43	5336	2.545	ug/l #	86
29) Tetrahydrofuran	7.859	42	401	0.305	ug/l #	36
31) Cyclohexane	8.230	56	7550	1.214	ug/l #	36
36) 1,1-Dichloropropene	8.230	75	29167	5.428	ug/l #	48
37) Ethyl Acetate	7.571	43	34569	8.009	ug/l	99
38) Carbon Tetrachloride	8.230	117	39208	6.519	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	1554	0.282	ug/l #	72
43) Isopropyl Acetate	8.694	43	306753	43.084	ug/l #	73
48) Methyl methacrylate	9.671	41	5079	1.584	ug/l #	39
49) 1,4-Dioxane	9.753	88	113	1.433	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	8975	2.084	ug/l	97
53) t-1,3-Dichloropropene	10.729	75	1294	0.225	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	73379	11.635	ug/l #	64
57) 1,3-Dichloropropane	11.206	76	9308	1.339	ug/l #	45
59) 2-Hexanone	11.171	43	143479	45.692	ug/l #	20
71) Bromoform	12.853	173	2073	0.649	ug/l #	1
74) N-amyl acetate	12.306	43	40635	7.594	ug/l #	49
76) 1,2,3-Trichloropropane	12.847	75	125775	24.720	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	125775	88.981	ug/l #	12
95) Naphthalene	15.629	128	872	2.238	ug/l #	51

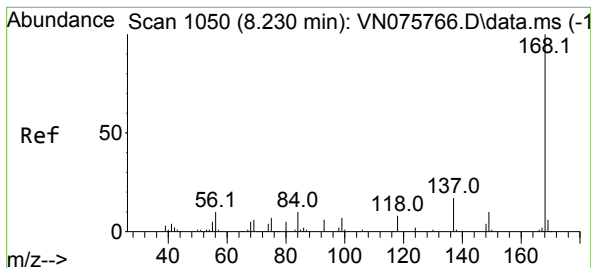
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

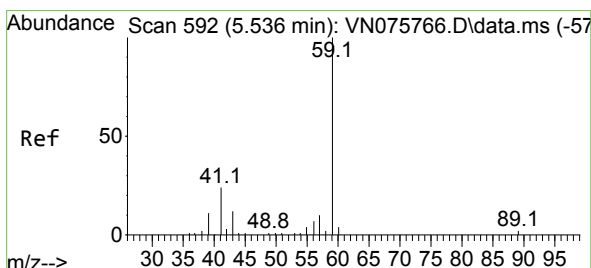
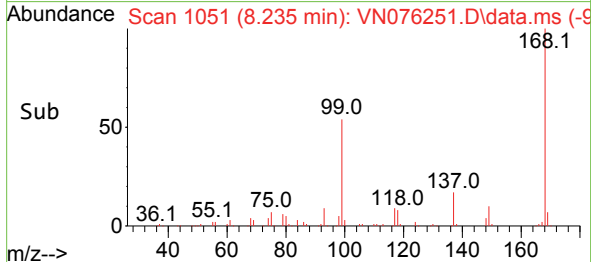
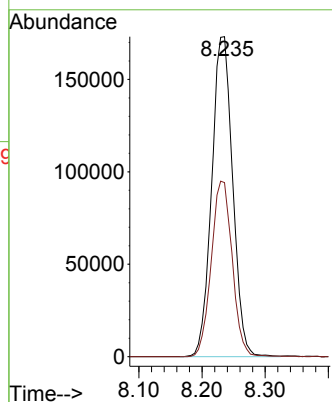
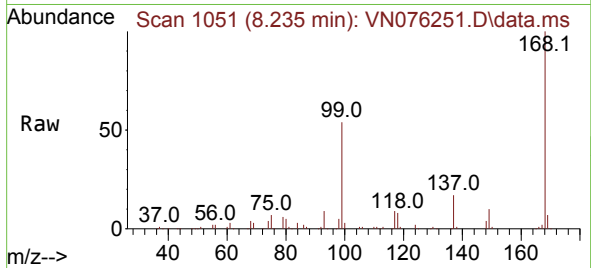




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1050
Delta R.T. 0.005 min
Lab File: VN076251.D
Acq: 13 Jan 2023 16:15

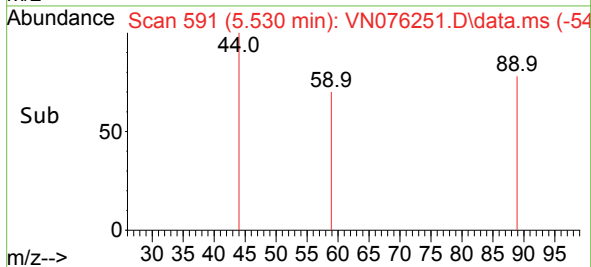
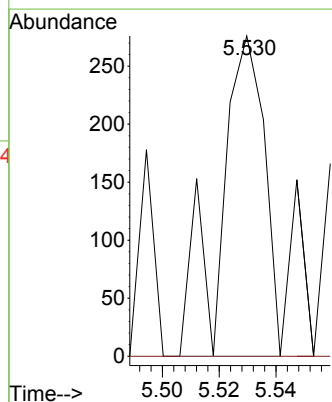
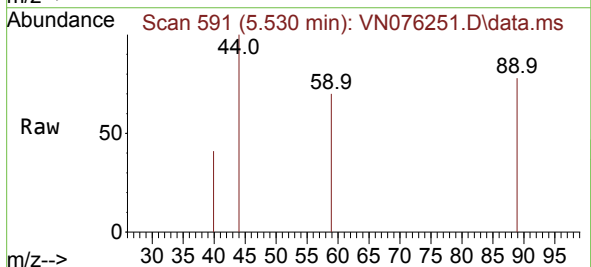
Instrument :
MSVOA_N
ClientSampleId :
MH-5

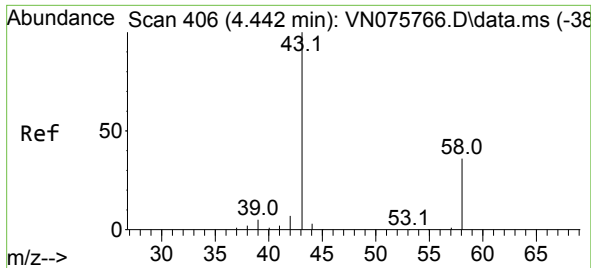
Tgt Ion:168 Resp: 399296
Ion Ratio Lower Upper
168 100
99 54.4 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.490 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.006 min
Lab File: VN076251.D
Acq: 13 Jan 2023 16:15

Tgt Ion: 59 Resp: 301
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 21.084 ug/l

RT: 4.453 min Scan# 406

Delta R.T. 0.012 min

Lab File: VN076251.D

Acq: 13 Jan 2023 16:15

Instrument :

MSVOA_N

ClientSampleId :

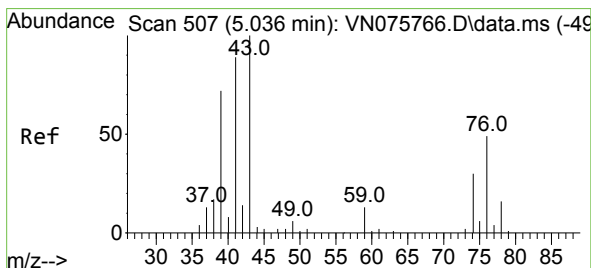
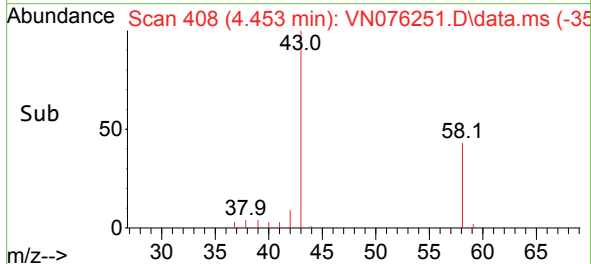
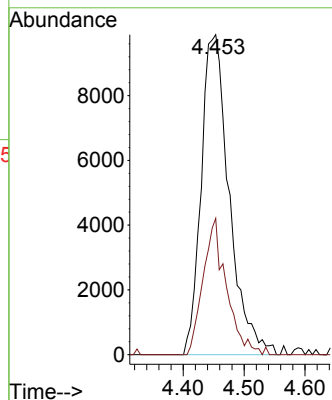
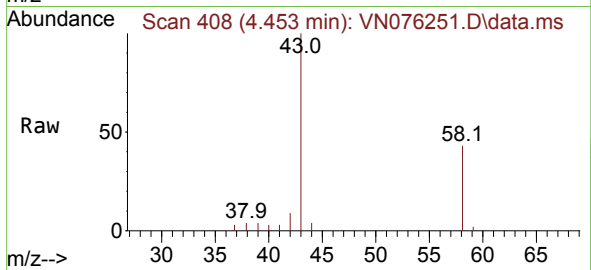
MH-5

Tgt Ion: 43 Resp: 31573

Ion Ratio Lower Upper

43 100

58 42.6 28.6 43.0



#18

Methyl Acetate

Concen: 0.826 ug/l

RT: 5.042 min Scan# 508

Delta R.T. 0.006 min

Lab File: VN076251.D

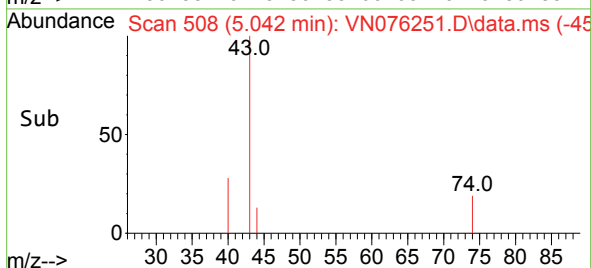
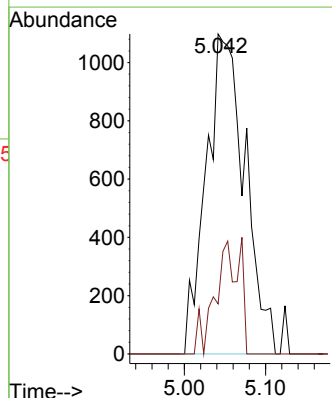
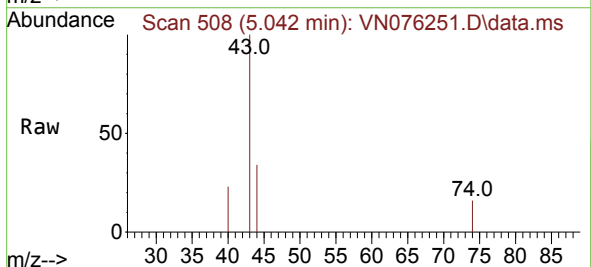
Acq: 13 Jan 2023 16:15

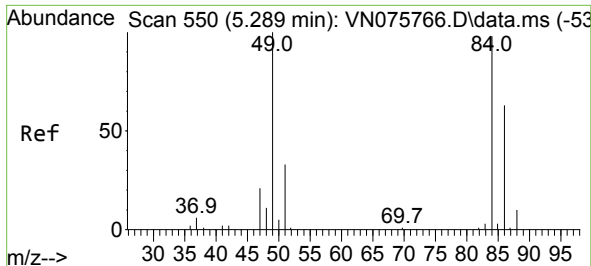
Tgt Ion: 43 Resp: 3654

Ion Ratio Lower Upper

43 100

74 0.0 23.6 35.4#

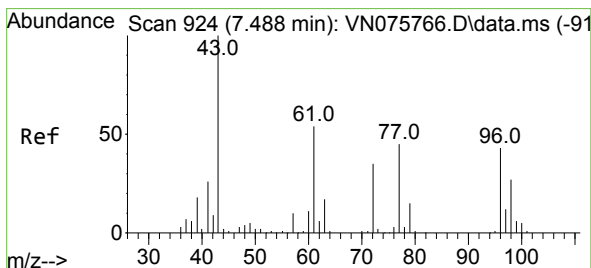
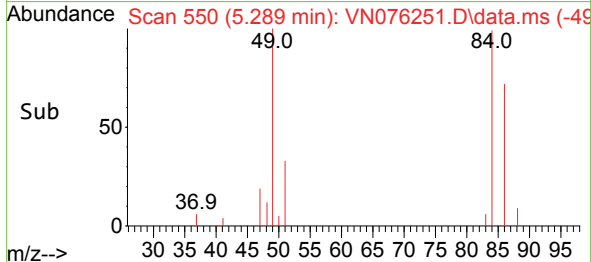
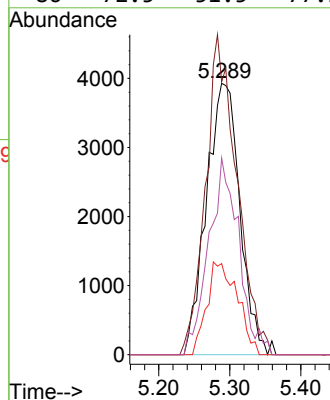
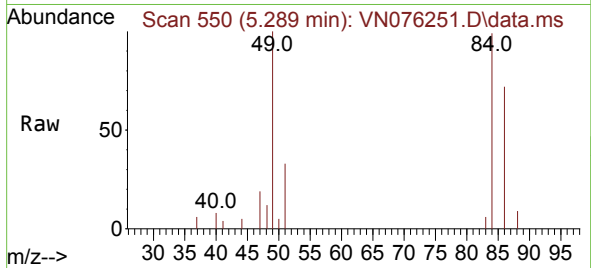




#20
Methylene Chloride
Concen: 2.608 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076251.D
Acq: 13 Jan 2023 16:15

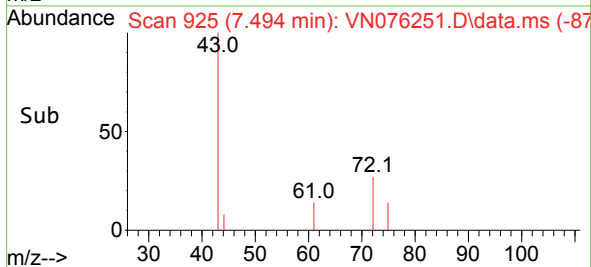
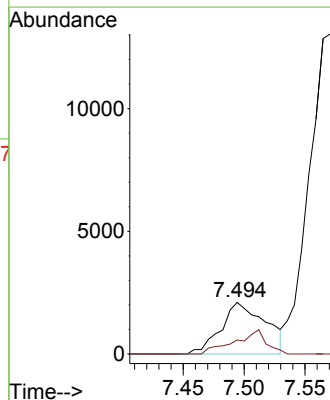
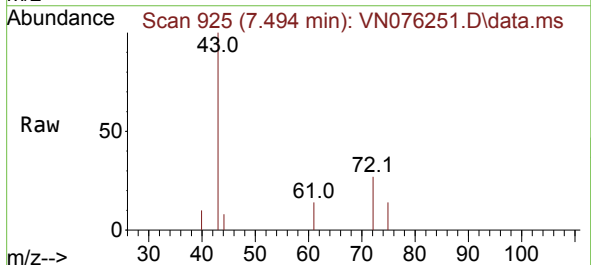
Instrument :
MSVOA_N
ClientSampleId :
MH-5

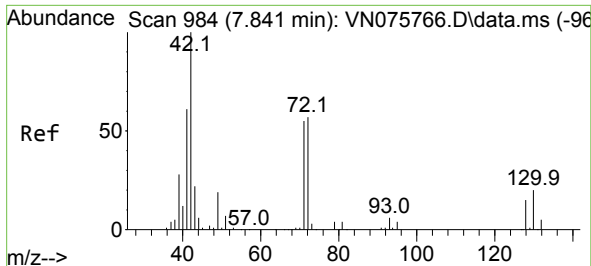
Tgt Ion: 84	Resp: 12878
Ion Ratio	Lower Upper
84 100	
49 100.6	81.8 122.6
51 33.5	26.7 40.1
86 72.5	51.5 77.3



#25
2-Butanone
Concen: 2.545 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN076251.D
Acq: 13 Jan 2023 16:15

Tgt Ion: 43	Resp: 5336		
Ion Ratio	Lower	Upper	
43 100			
72 26.9	28.0	42.0#	

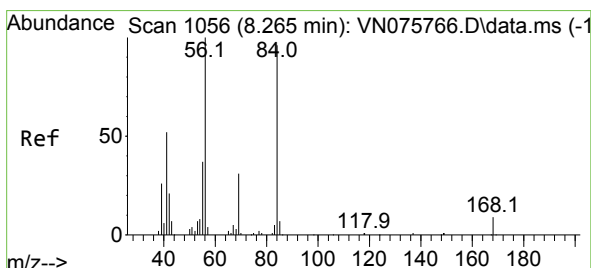
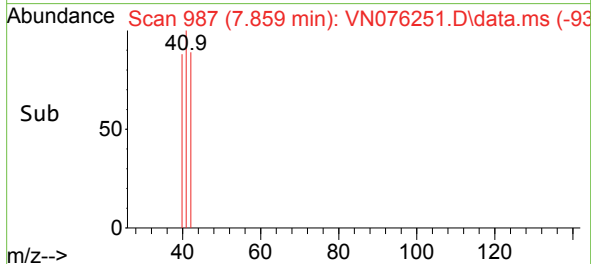
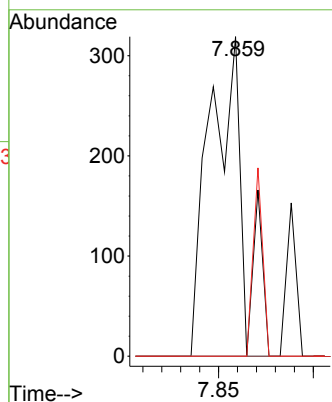
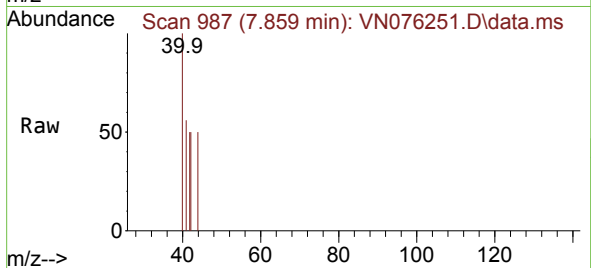




#29
Tetrahydrofuran
Concen: 0.305 ug/l
RT: 7.859 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN076251.D
Acq: 13 Jan 2023 16:15

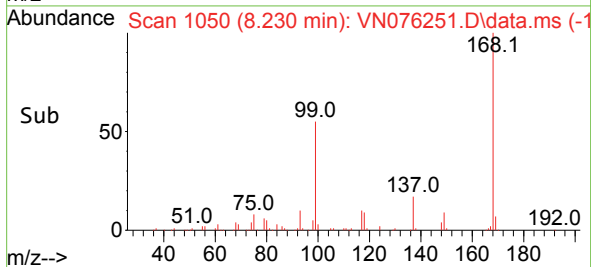
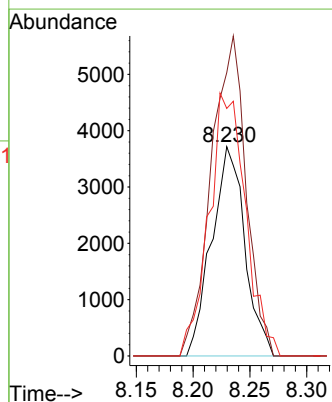
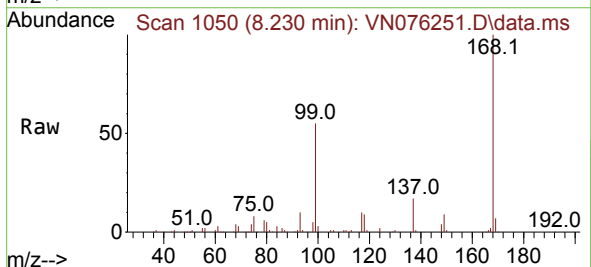
Instrument :
MSVOA_N
ClientSampleId :
MH-5

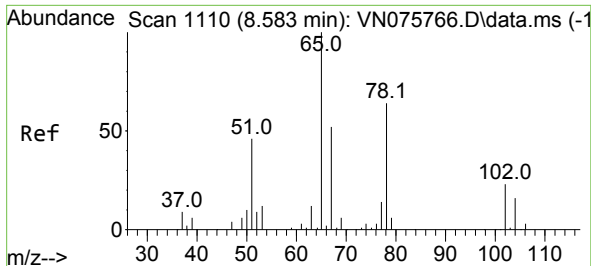
Tgt Ion: 42 Resp: 401
Ion Ratio Lower Upper
42 100
72 0.0 44.5 66.7#
71 16.5 41.0 61.6#



#31
Cyclohexane
Concen: 1.214 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN076251.D
Acq: 13 Jan 2023 16:15

Tgt Ion: 56 Resp: 7550
Ion Ratio Lower Upper
56 100
69 135.4 24.7 37.1#
84 118.2 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 50.473 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN076251.D

Acq: 13 Jan 2023 16:15

Instrument :

MSVOA_N

ClientSampleId :

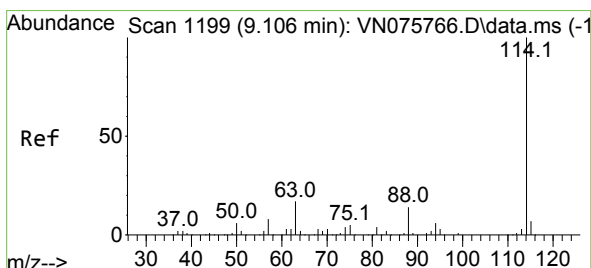
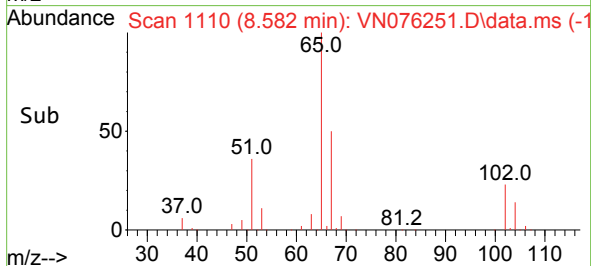
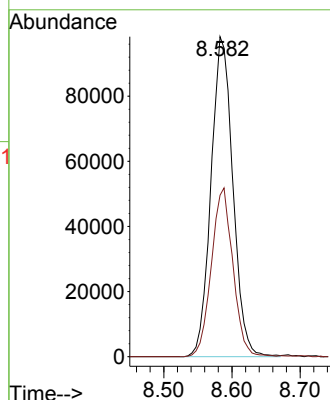
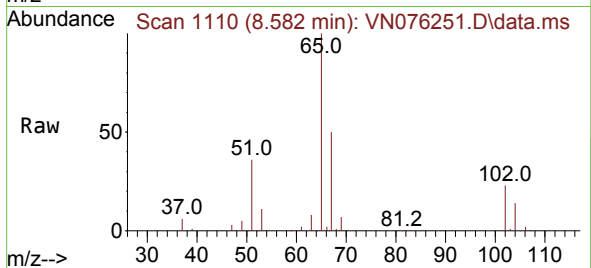
MH-5

Tgt Ion: 65 Resp: 219252

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076251.D

Acq: 13 Jan 2023 16:15

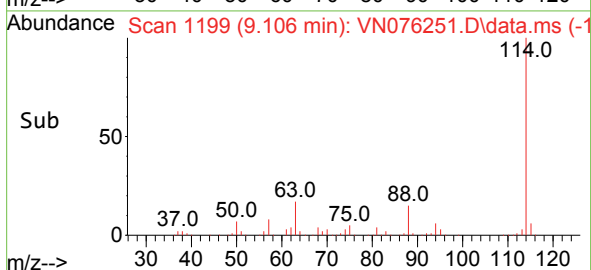
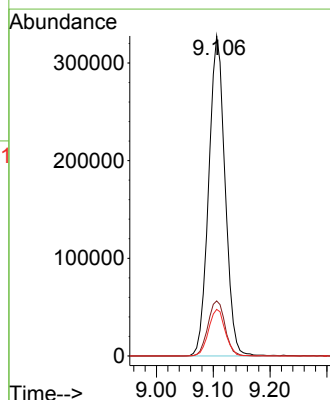
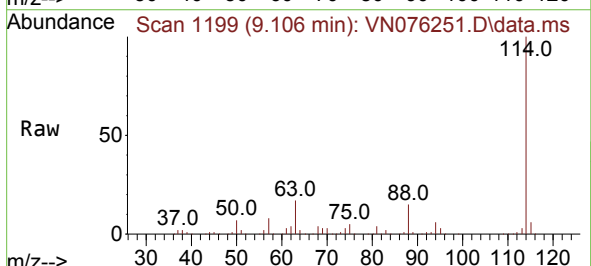
Tgt Ion: 114 Resp: 653185

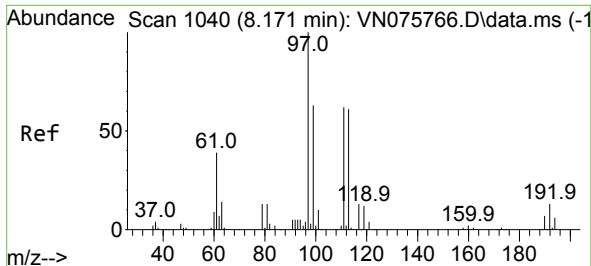
Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.4

88 14.6 0.0 28.8

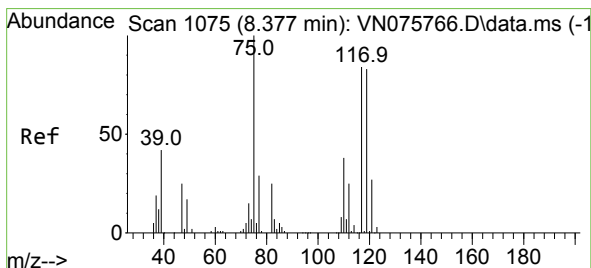
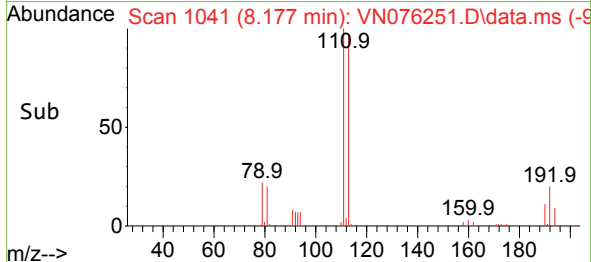
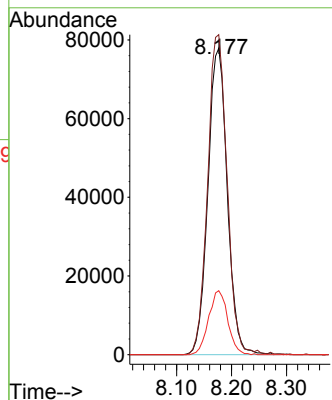
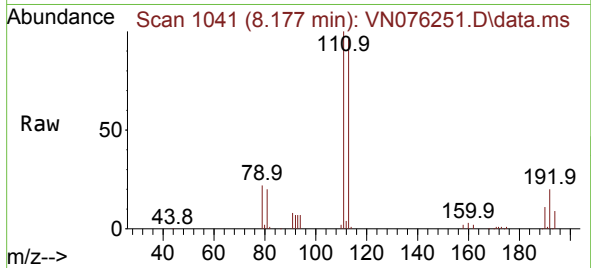




#35
Dibromofluoromethane
Concen: 47.055 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN076251.D
Acq: 13 Jan 2023 16:15

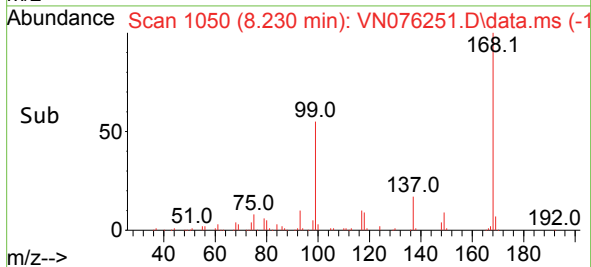
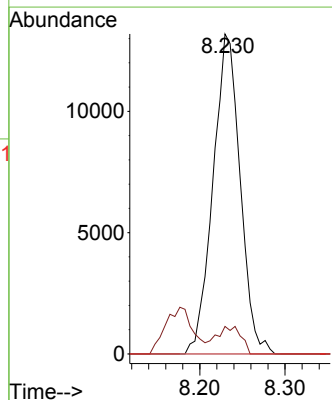
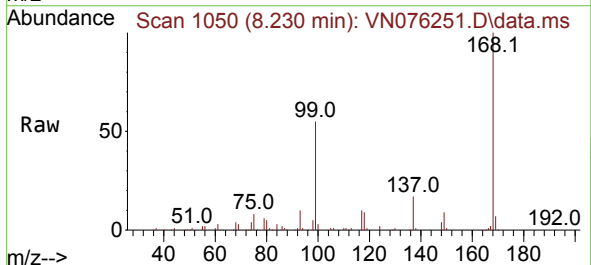
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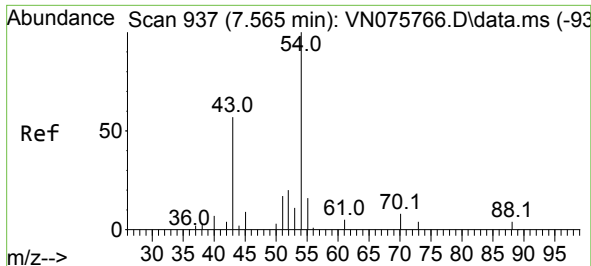
Tgt Ion:113 Resp: 190340
Ion Ratio Lower Upper
113 100
111 105.0 83.4 125.2
192 20.8 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.428 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076251.D
Acq: 13 Jan 2023 16:15

Tgt Ion: 75 Resp: 29167
Ion Ratio Lower Upper
75 100
110 8.0 18.8 56.4#
77 0.0 24.1 36.1#

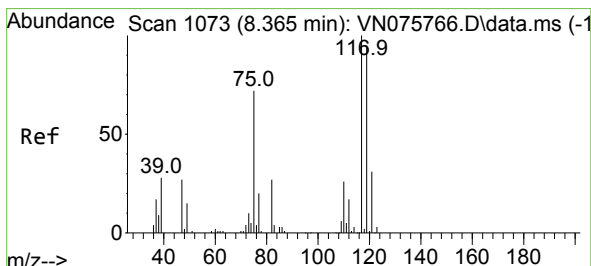
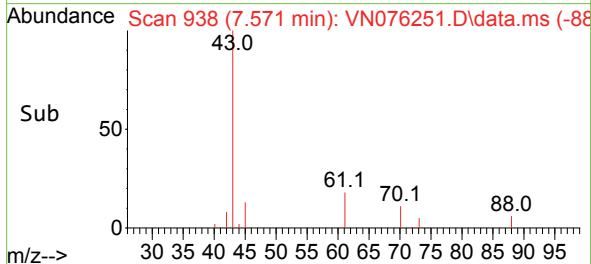
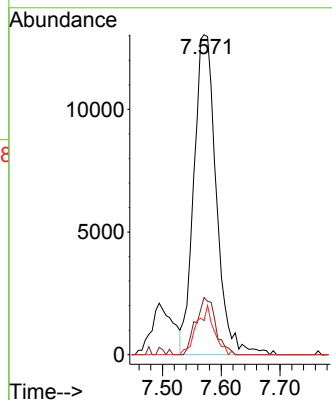
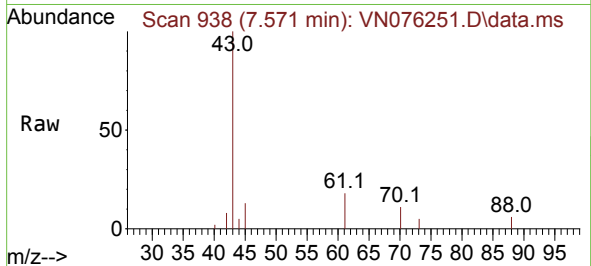




#37
Ethyl Acetate
Concen: 8.009 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076251.D
Acq: 13 Jan 2023 16:15

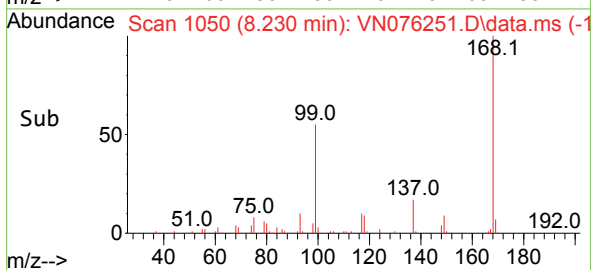
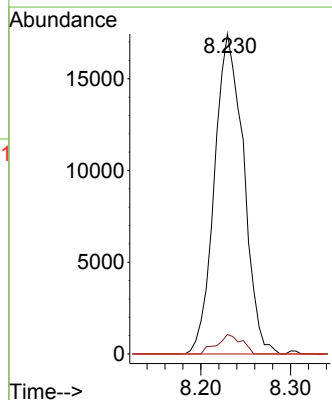
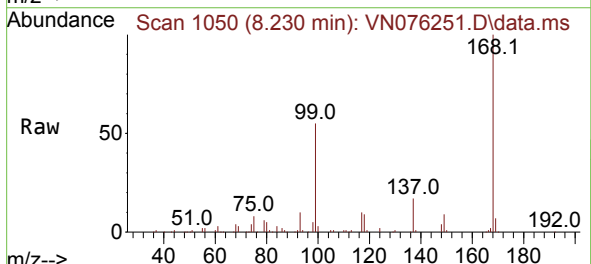
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MH-5

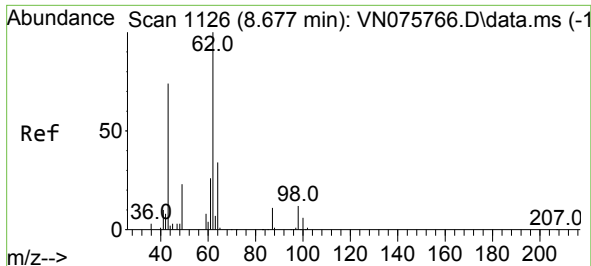
Tgt Ion:	43	Resp:	34569
Ion	Ratio	Lower	Upper
43	100		
61	15.9	13.0	19.4
70	11.9	9.4	14.0



#38
Carbon Tetrachloride
Concen: 6.519 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076251.D
Acq: 13 Jan 2023 16:15

Tgt Ion:	117	Resp:	39208
Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.1	114.1#
121	0.0	24.5	36.7#





#42

1,2-Dichloroethane

Concen: 0.282 ug/l

RT: 8.688 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VN076251.D

Acq: 13 Jan 2023 16:15

Instrument :

MSVOA_N

ClientSampleId :

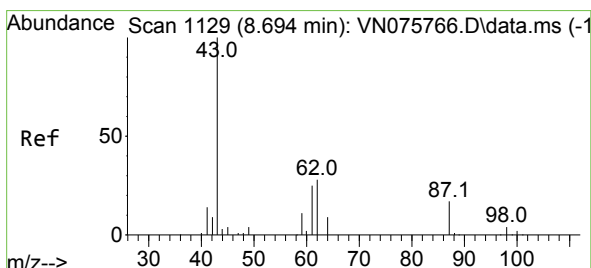
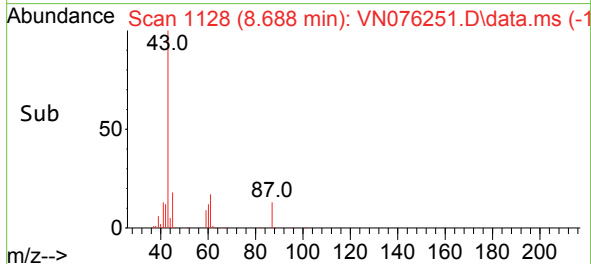
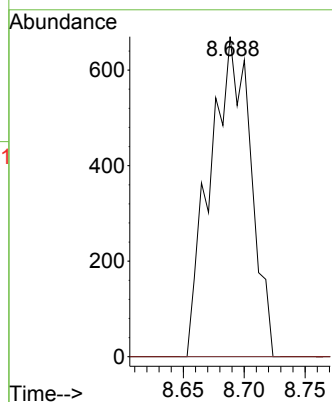
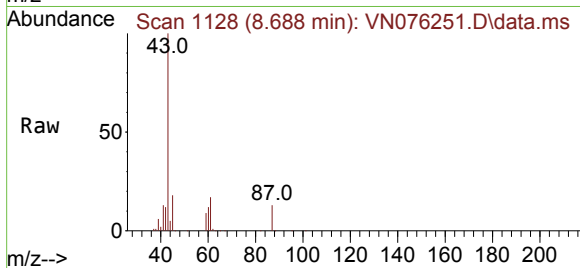
MH-5

Tgt Ion: 62 Resp: 1554

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.8



#43

Isopropyl Acetate

Concen: 43.084 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VN076251.D

Acq: 13 Jan 2023 16:15

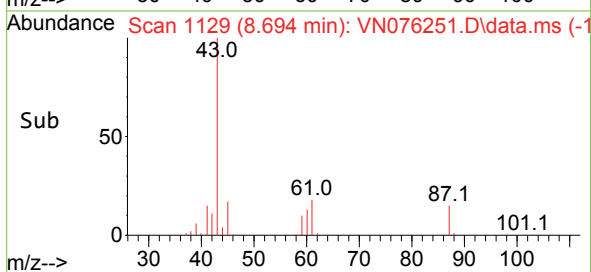
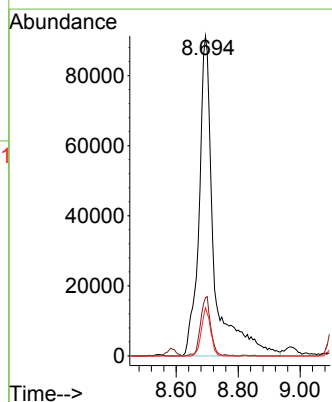
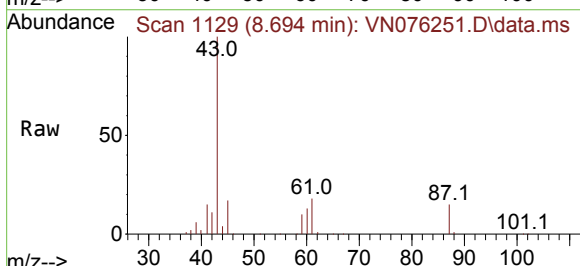
Tgt Ion: 43 Resp: 306753

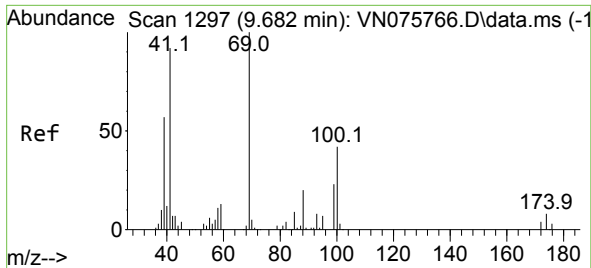
Ion Ratio Lower Upper

43 100

61 12.5 24.2 36.4#

87 9.2 13.3 19.9#

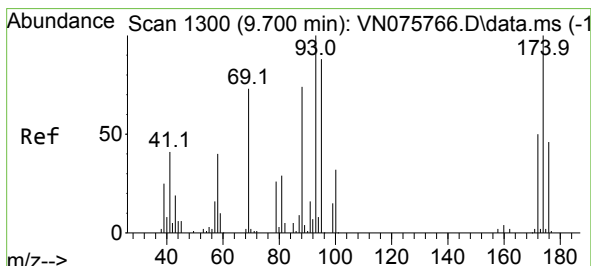
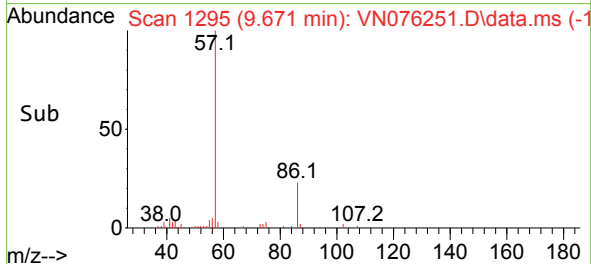
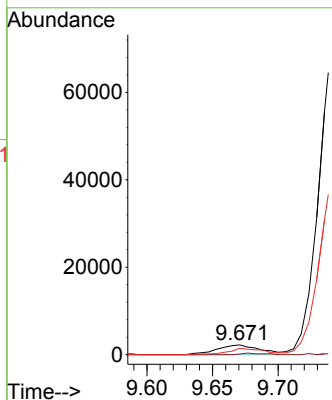
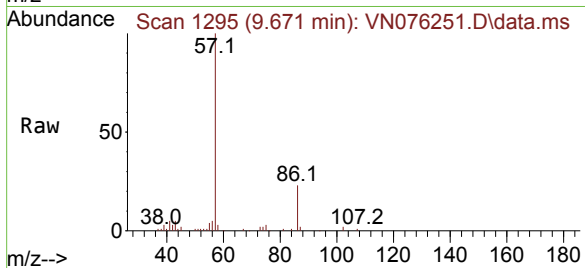




#48
Methyl methacrylate
Concen: 1.584 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN076251.D
Acq: 13 Jan 2023 16:15

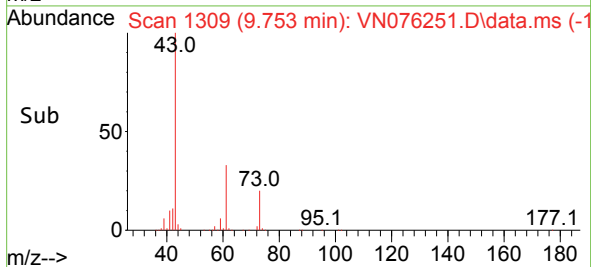
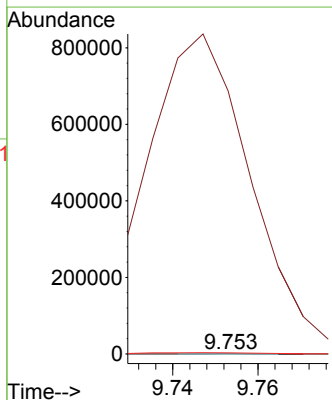
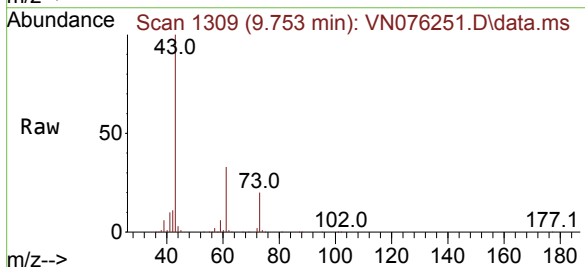
Instrument :
MSVOA_N
ClientSampleId :
MH-5

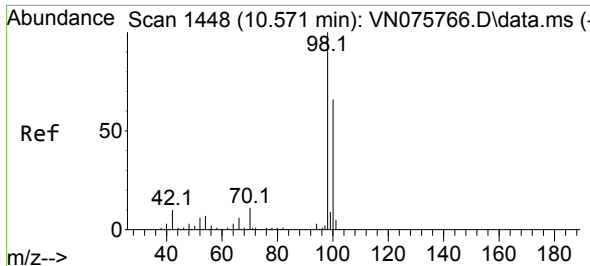
Tgt Ion: 41 Resp: 5079
Ion Ratio Lower Upper
41 100
69 8.2 81.9 122.9#
39 56.7 51.6 77.4



#49
1,4-Dioxane
Concen: 1.433 ug/l
RT: 9.753 min Scan# 1309
Delta R.T. 0.053 min
Lab File: VN076251.D
Acq: 13 Jan 2023 16:15

Tgt Ion: 88 Resp: 113
Ion Ratio Lower Upper
88 100
43 1313056.6 17.1 25.7#
58 5932.7 47.8 71.8#

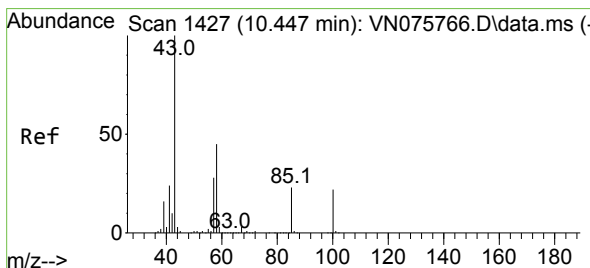
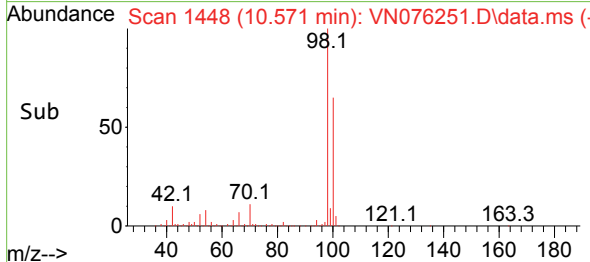
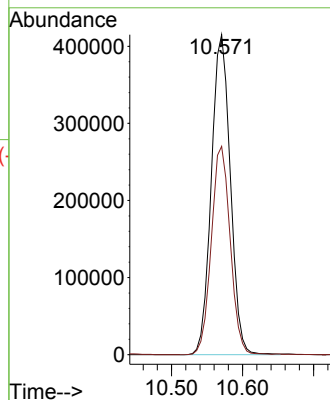
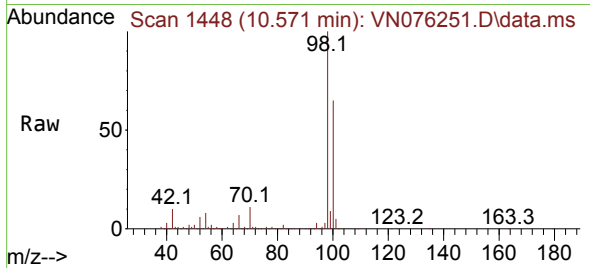




#50
Toluene-d8
Concen: 50.854 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076251.D
Acq: 13 Jan 2023 16:15

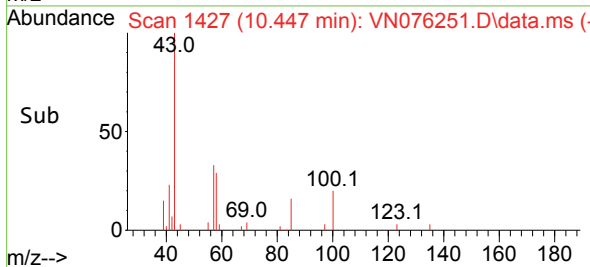
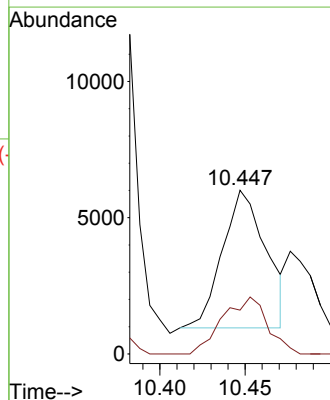
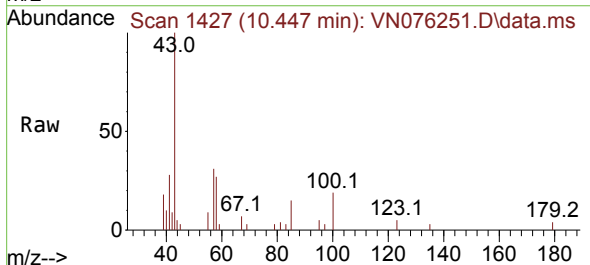
Instrument :
MSVOA_N
ClientSampleId :
MH-5

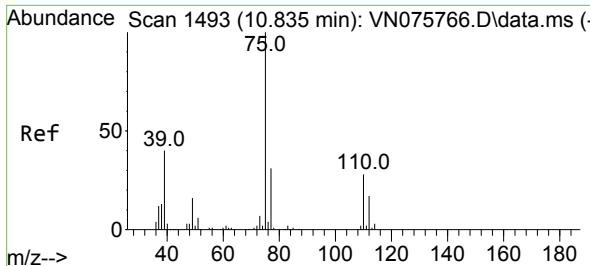
Tgt Ion: 98 Resp: 769122
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 2.084 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN076251.D
Acq: 13 Jan 2023 16:15

Tgt Ion: 43 Resp: 8975
Ion Ratio Lower Upper
43 100
58 42.8 35.5 53.3

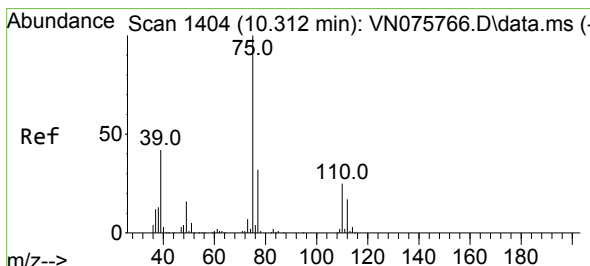
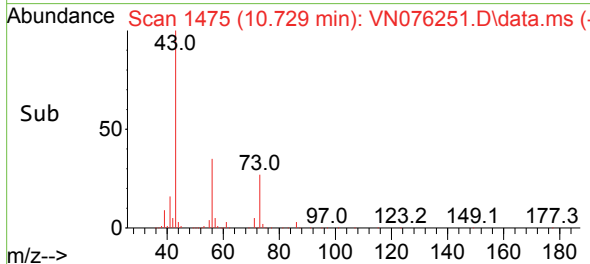
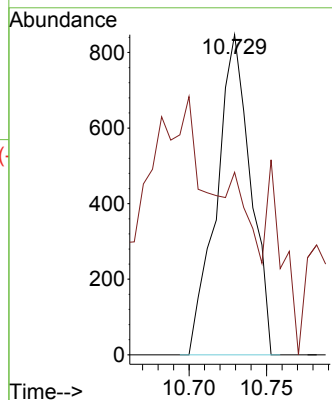
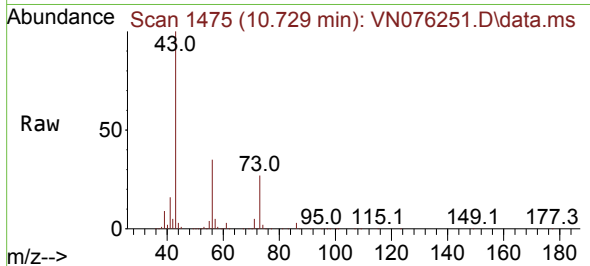




#53
 t-1,3-Dichloropropene
 Concen: 0.225 ug/l
 RT: 10.729 min Scan# 1412
 Delta R.T. -0.106 min
 Lab File: VN076251.D
 Acq: 13 Jan 2023 16:15

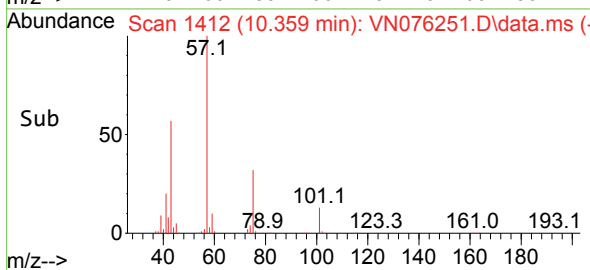
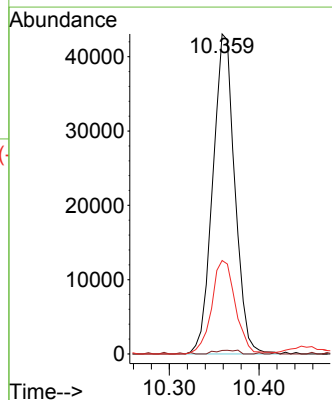
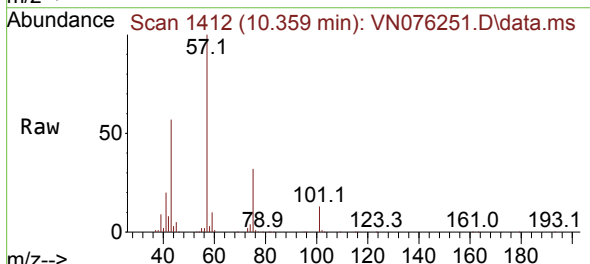
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-5

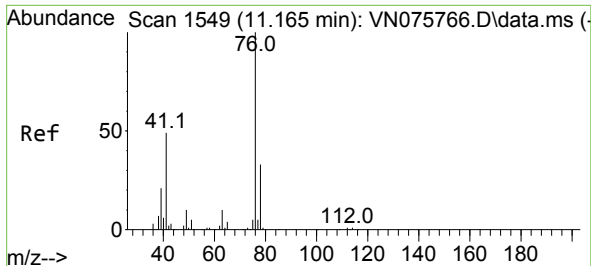
Tgt Ion: 75 Resp: 1294
 Ion Ratio Lower Upper
 75 100
 77 30.1 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 11.635 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN076251.D
 Acq: 13 Jan 2023 16:15

Tgt Ion: 75 Resp: 73379
 Ion Ratio Lower Upper
 75 100
 77 1.1 25.8 38.8#
 39 29.2 33.4 50.2#





#57

1,3-Dichloropropane

Concen: 1.339 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN076251.D

Acq: 13 Jan 2023 16:15

Instrument :

MSVOA_N

ClientSampleId :

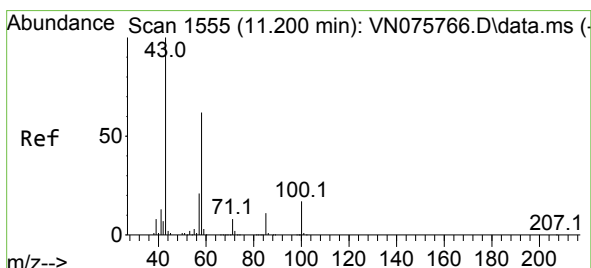
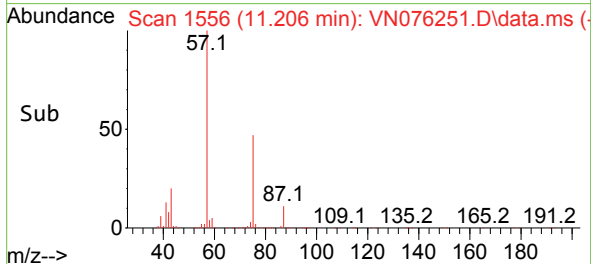
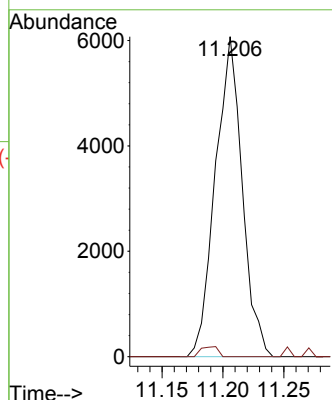
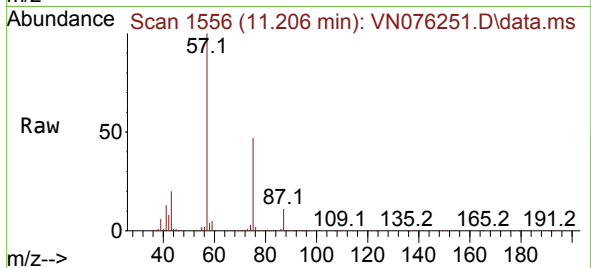
MH-5

Tgt Ion: 76 Resp: 9308

Ion Ratio Lower Upper

76 100

78 2.0 26.2 39.2#



#59

2-Hexanone

Concen: 45.692 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.029 min

Lab File: VN076251.D

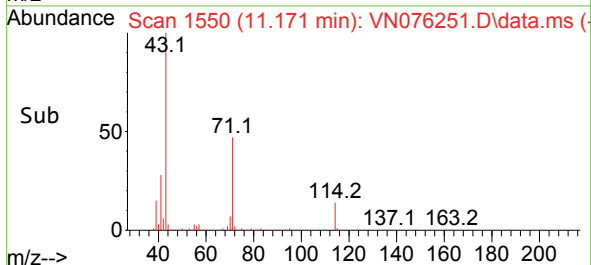
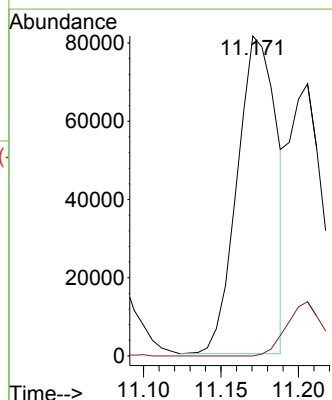
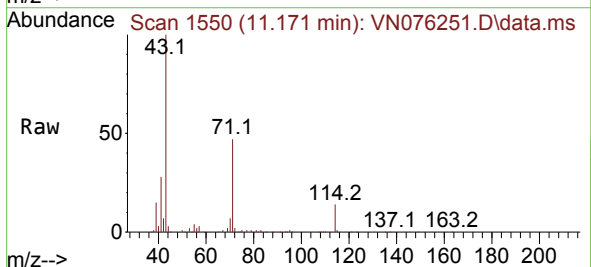
Acq: 13 Jan 2023 16:15

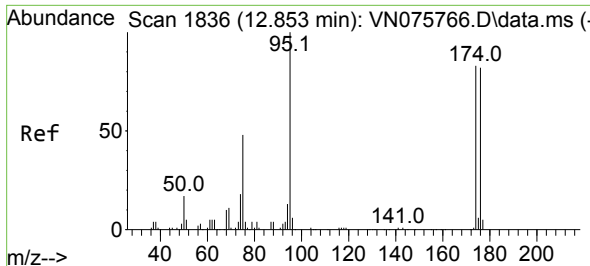
Tgt Ion: 43 Resp: 143479

Ion Ratio Lower Upper

43 100

58 0.0 30.6 92.0#

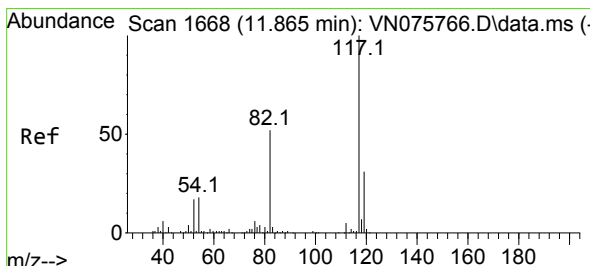
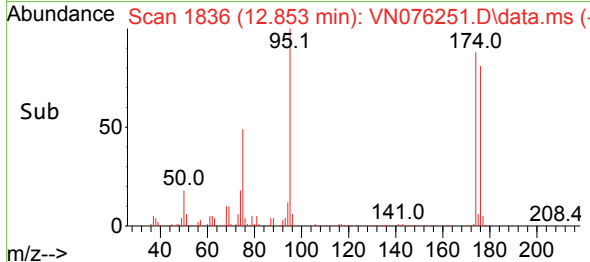
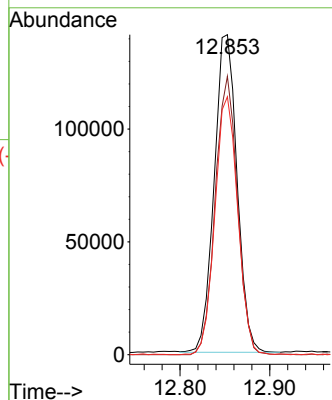
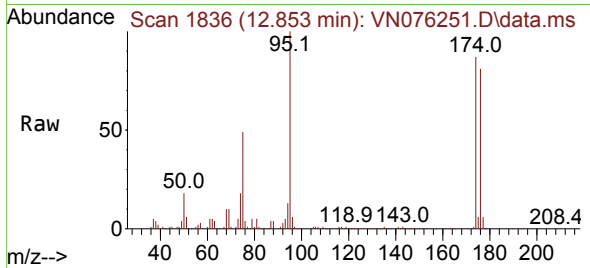




#62
4-Bromofluorobenzene
Concen: 49.737 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076251.D
Acq: 13 Jan 2023 16:15

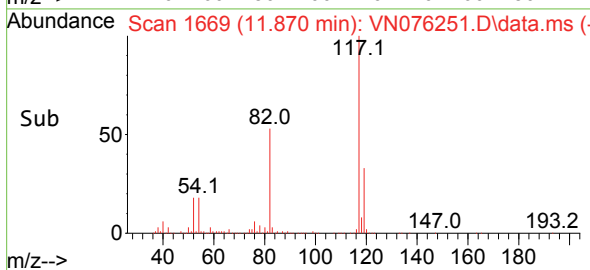
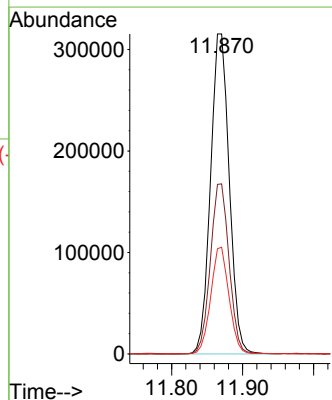
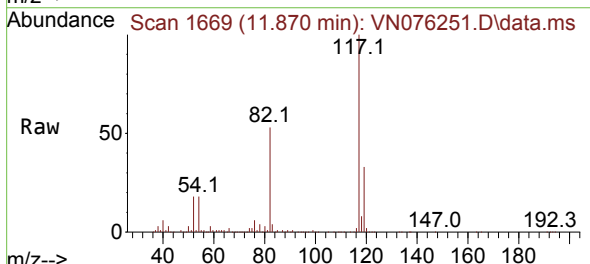
Instrument :
MSVOA_N
ClientSampleId :
MH-5

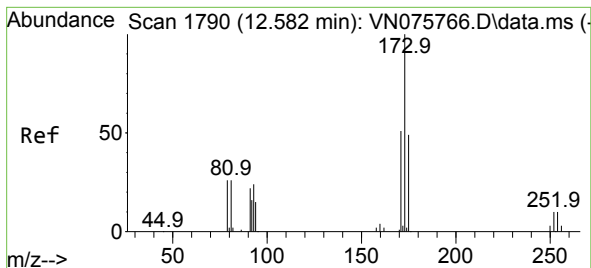
Tgt Ion: 95 Resp: 249147
Ion Ratio Lower Upper
95 100
174 85.0 0.0 171.6
176 81.0 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076251.D
Acq: 13 Jan 2023 16:15

Tgt Ion: 117 Resp: 577486
Ion Ratio Lower Upper
117 100
82 53.1 41.3 61.9
119 33.4 24.6 37.0





#71

Bromoform

Concen: 0.649 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.270 min

Lab File: VN076251.D

Acq: 13 Jan 2023 16:15

Instrument :

MSVOA_N

ClientSampleId :

MH-5

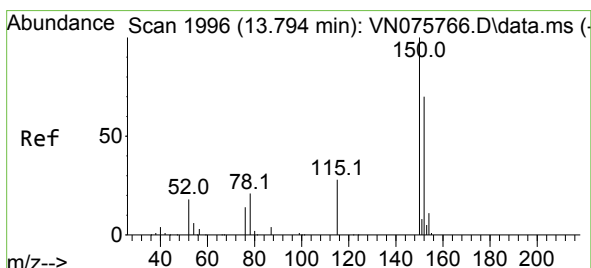
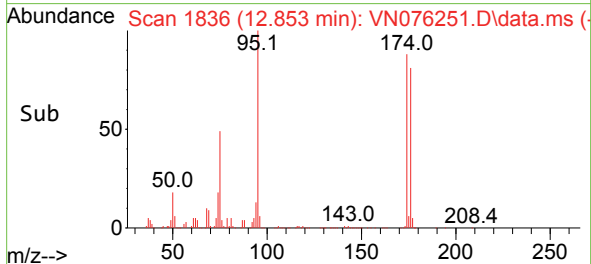
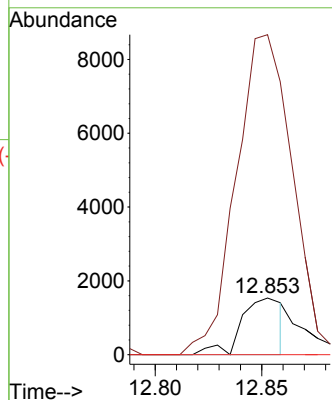
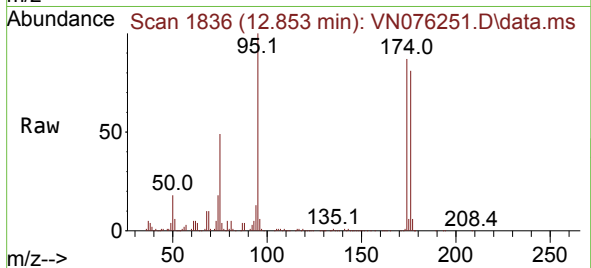
Tgt Ion:173 Resp: 2073

Ion Ratio Lower Upper

173 100

175 619.3 24.3 72.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VN076251.D

Acq: 13 Jan 2023 16:15

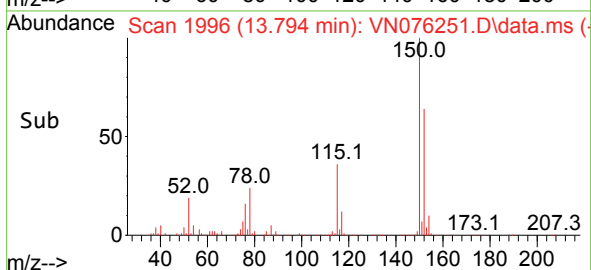
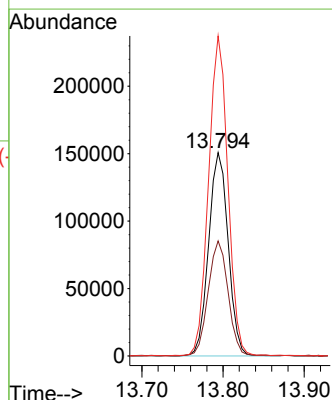
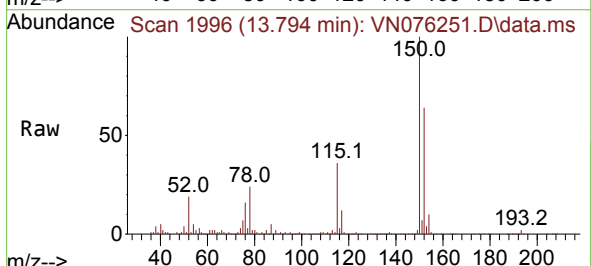
Tgt Ion:152 Resp: 252408

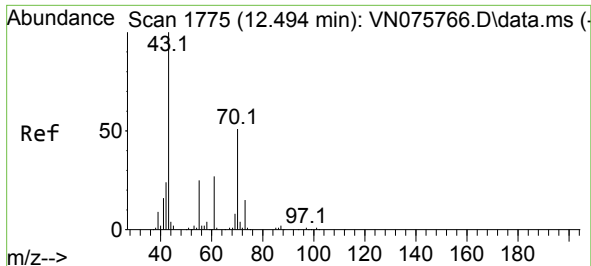
Ion Ratio Lower Upper

152 100

115 57.2 29.1 87.4

150 155.1 0.0 347.0

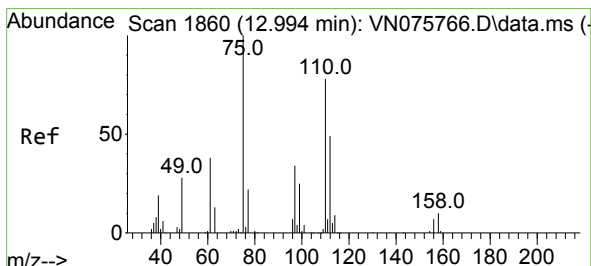
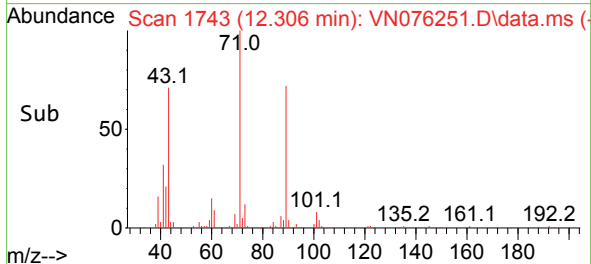
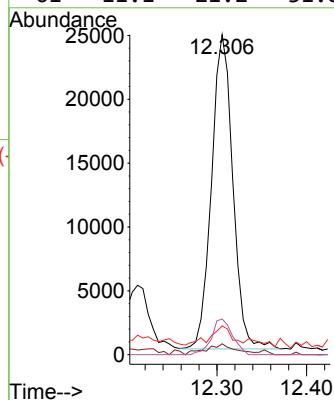
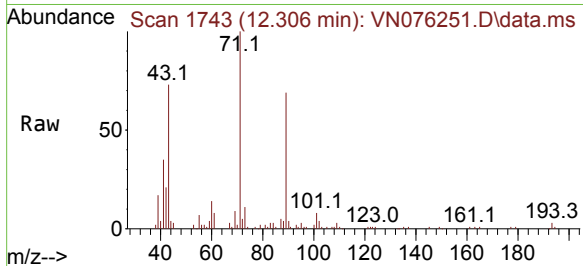




#74
N-amy1 acetate
Concen: 7.594 ug/l
RT: 12.306 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN076251.D
Acq: 13 Jan 2023 16:15

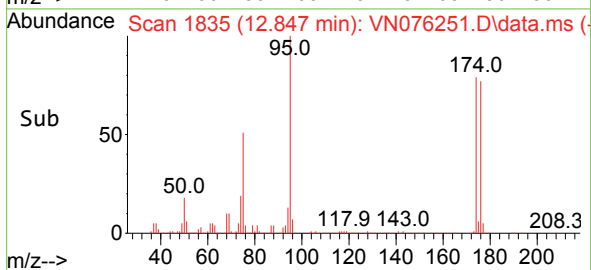
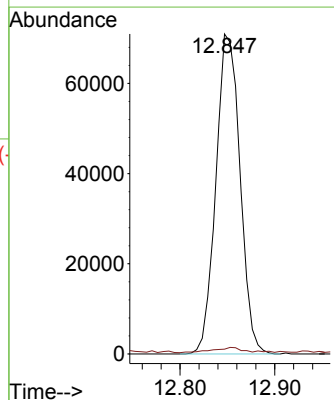
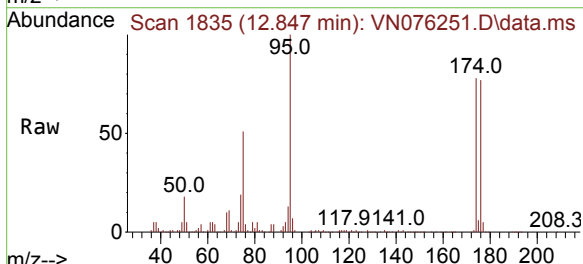
Instrument :
MSVOA_N
ClientSampleId :
MH-5

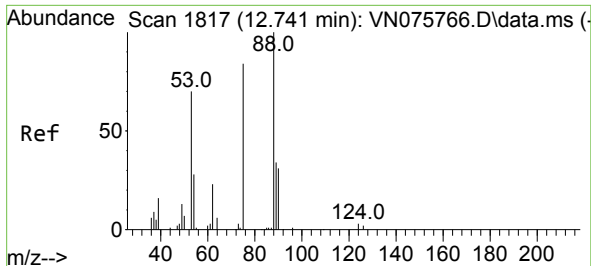
Tgt Ion: 43	Resp: 40635
Ion Ratio	Lower Upper
43 100	
70 4.7	41.4 62.0#
55 5.9	21.3 31.9#
61 11.1	21.2 31.8#



#76
1,2,3-Trichloropropane
Concen: 24.720 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN076251.D
Acq: 13 Jan 2023 16:15

Tgt Ion: 75	Resp: 125775
Ion Ratio	Lower Upper
75 100	
77 1.9	82.6 247.8#

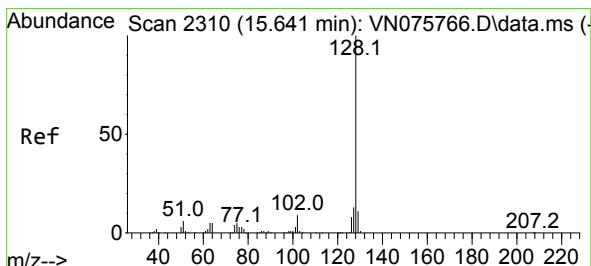
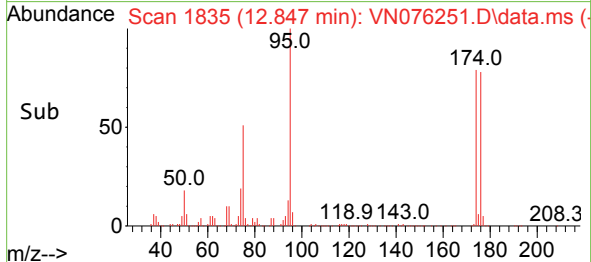
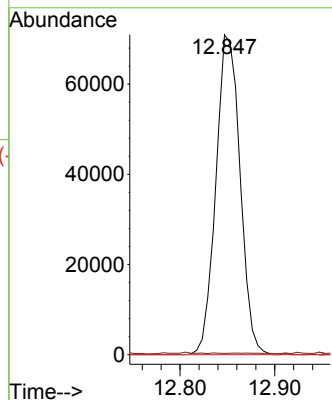
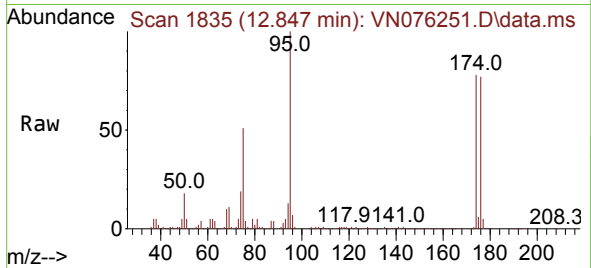




#81
trans-1,4-Dichloro-2-butene
Concen: 88.981 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN076251.D
Acq: 13 Jan 2023 16:15

Instrument :
MSVOA_N
ClientSampleId :
MH-5

Tgt Ion: 75 Resp: 125775
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.238 ug/l
RT: 15.629 min Scan# 2308
Delta R.T. -0.012 min
Lab File: VN076251.D
Acq: 13 Jan 2023 16:15

Tgt Ion: 128 Resp: 872
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 36.5 8.7 13.1#

