

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053023\
 Data File : VN077973.D
 Acq On : 30 May 2023 16:39
 Operator : JC\MD
 Sample : 02973-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-140B-20230526

Quant Time: May 31 02:09:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

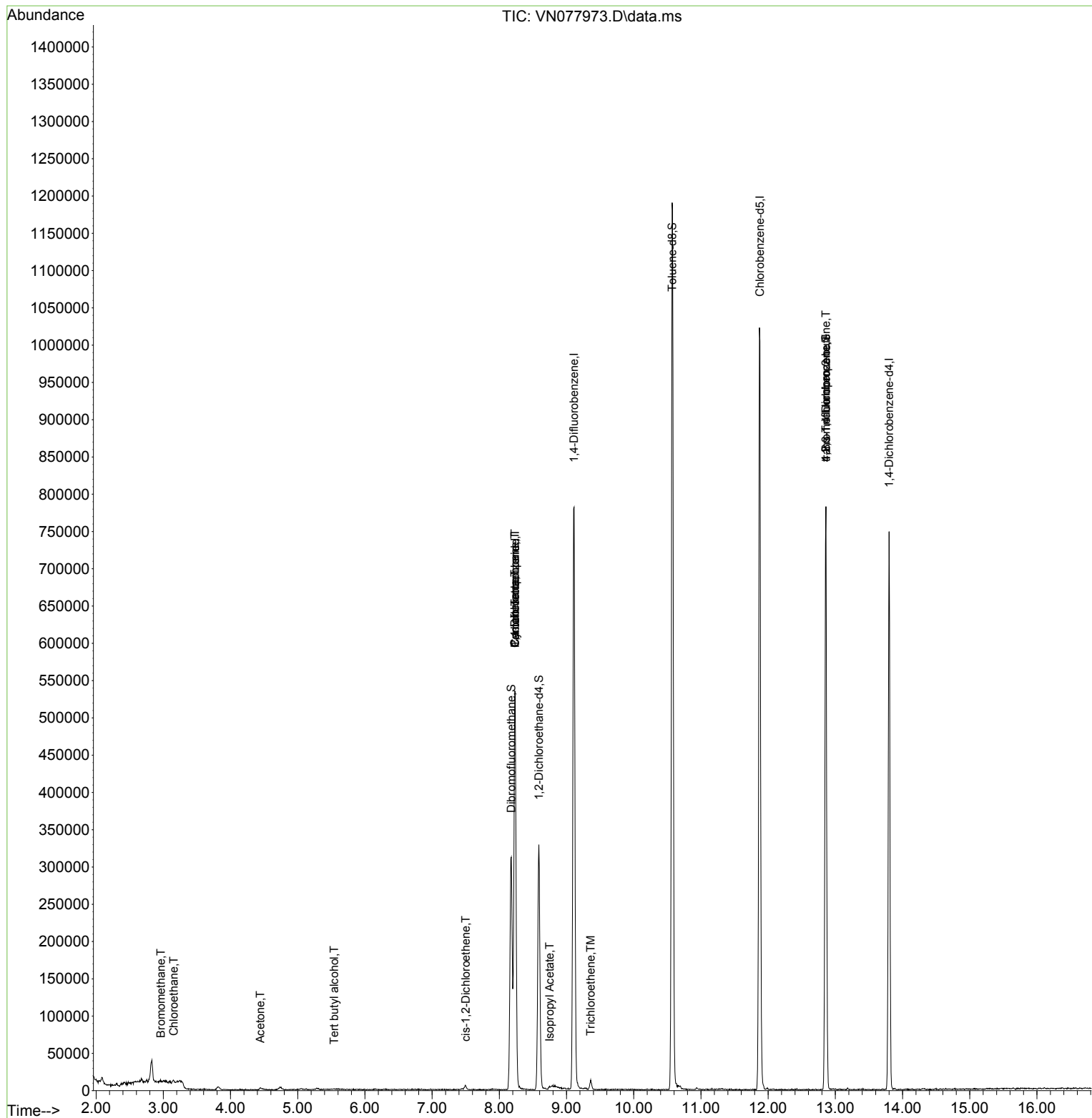
Internal Standards						
1) Pentafluorobenzene	8.236	168	383254	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	709849	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.877	117	620706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	197826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	266977	46.557	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.120%		
35) Dibromofluoromethane	8.177	113	226829	49.003	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.000%		
50) Toluene-d8	10.571	98	870399	48.853	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.700%		
62) 4-Bromofluorobenzene	12.859	95	282074	44.827	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.660%		
Target Compounds						Qvalue
3) Chloromethane	2.371	50	1807	Below Cal		92
5) Bromomethane	2.965	94	866	0.213 ug/l #		63
6) Chloroethane	3.154	64	1076	0.272 ug/l		95
11) Tert butyl alcohol	5.542	59	176	0.222 ug/l #		72
13) Acrolein	4.212	56	183	Below Cal #		16
16) Acetone	4.442	43	3211	1.780 ug/l #		61
20) Methylene Chloride	5.312	84	912	Below Cal #		13
27) cis-1,2-Dichloroethene	7.500	96	2815	0.518 ug/l		87
31) Cyclohexane	8.230	56	9158	1.175 ug/l #		32
36) 1,1-Dichloropropene	8.230	75	34315	5.068 ug/l #		48
38) Carbon Tetrachloride	8.236	117	43042	6.296 ug/l #		14
43) Isopropyl Acetate	8.747	43	3783	0.384 ug/l #		49
44) Trichloroethene	9.359	130	4272	0.844 ug/l		79
76) 1,2,3-Trichloropropane	12.859	75	151552	30.590 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.859	75	151552	97.782 ug/l #		15

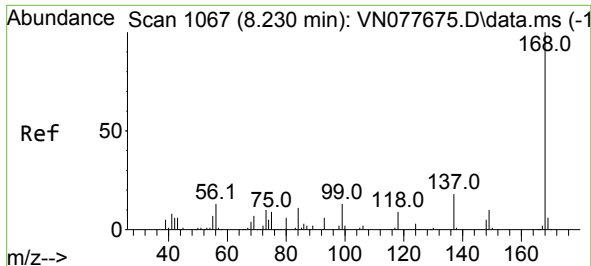
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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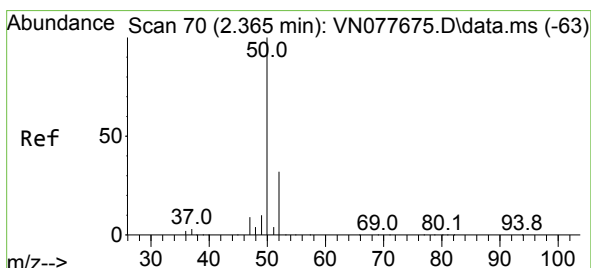
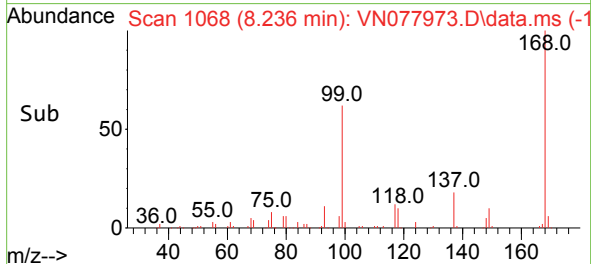
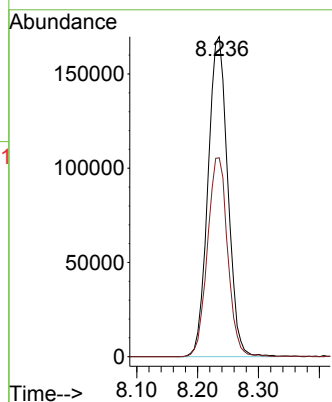
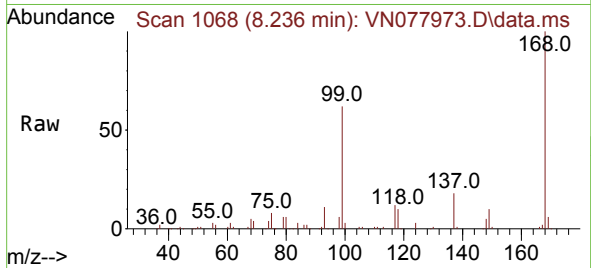




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077973.D
Acq: 30 May 2023 16:39

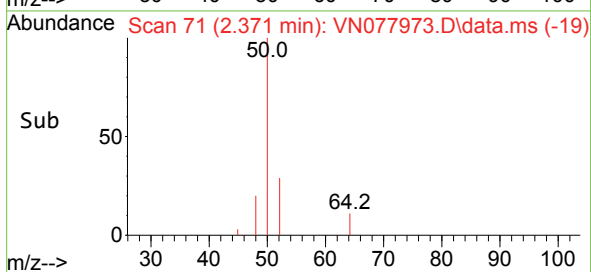
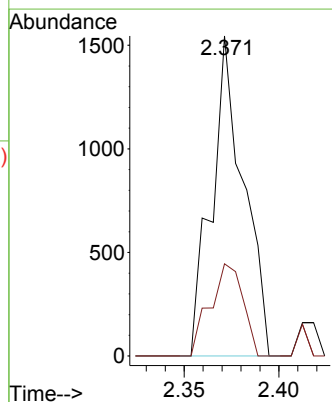
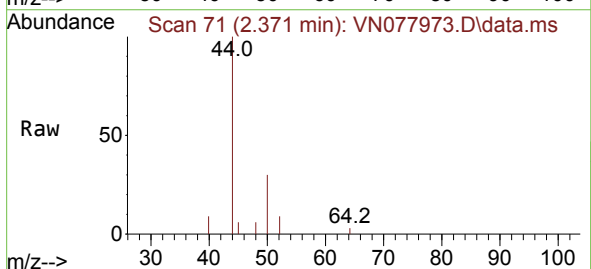
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526

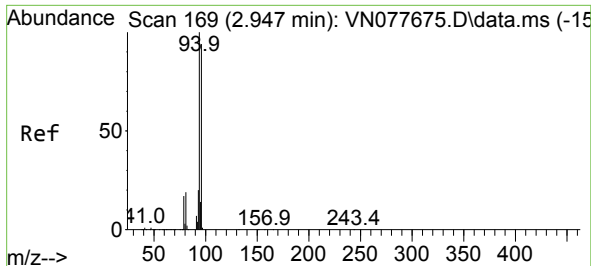
Tgt Ion:168 Resp: 383254
Ion Ratio Lower Upper
168 100
99 62.1 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077973.D
Acq: 30 May 2023 16:39

Tgt Ion: 50 Resp: 1807
Ion Ratio Lower Upper
50 100
52 28.8 26.5 39.7

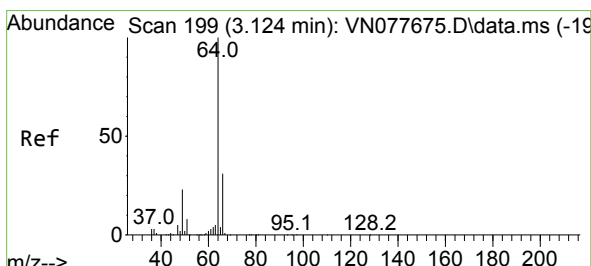
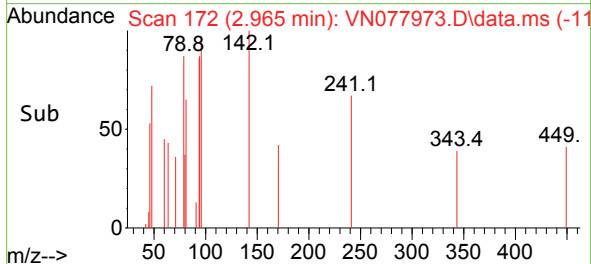
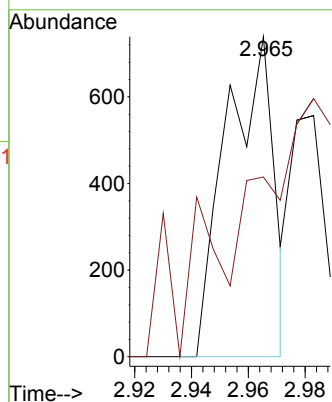
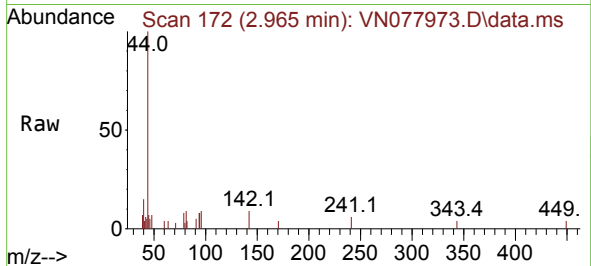




#5
Bromomethane
Concen: 0.213 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN077973.D
Acq: 30 May 2023 16:39

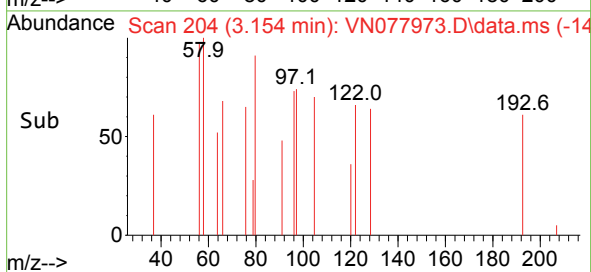
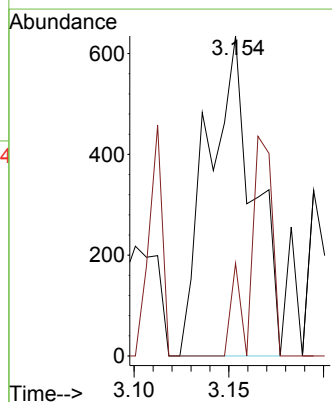
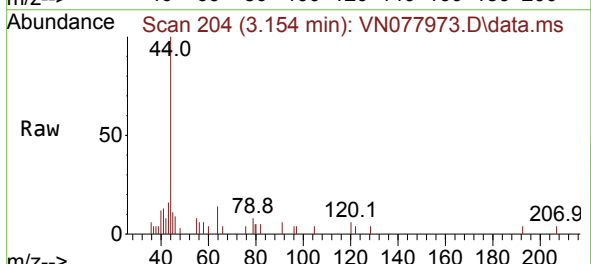
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526

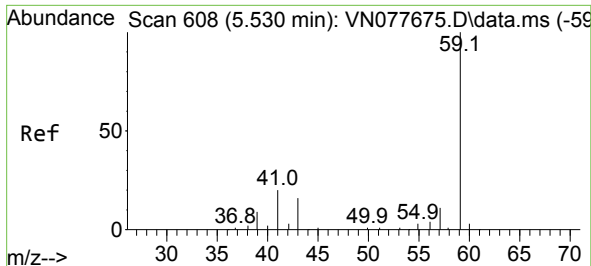
Tgt Ion: 94 Resp: 866
Ion Ratio Lower Upper
94 100
96 56.2 73.1 109.7#



#6
Chloroethane
Concen: 0.272 ug/l
RT: 3.154 min Scan# 204
Delta R.T. 0.030 min
Lab File: VN077973.D
Acq: 30 May 2023 16:39

Tgt Ion: 64 Resp: 1076
Ion Ratio Lower Upper
64 100
66 29.0 25.4 38.2

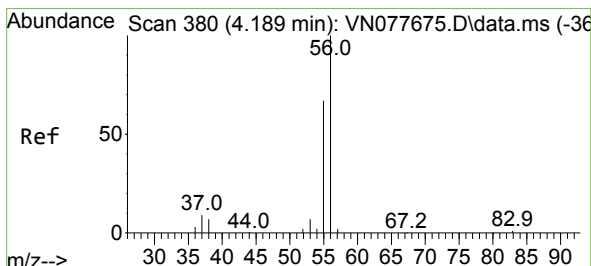
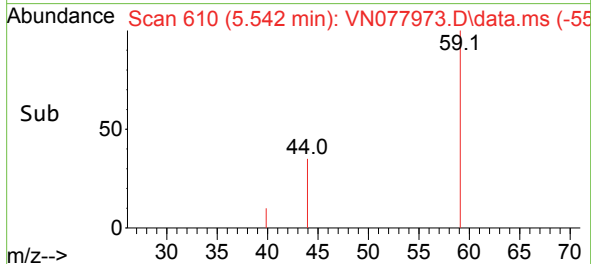
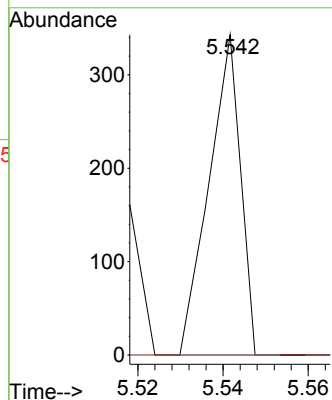
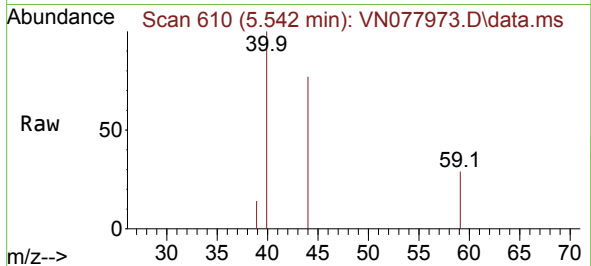




#11
Tert butyl alcohol
Concen: 0.222 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.012 min
Lab File: VN077973.D
Acq: 30 May 2023 16:39

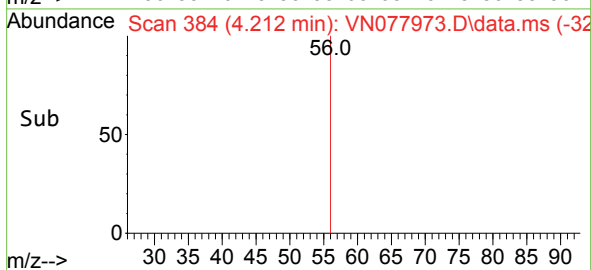
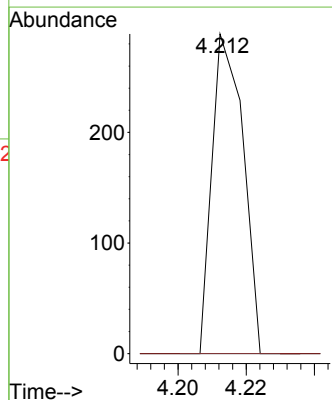
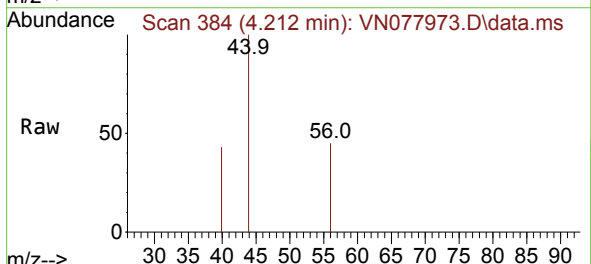
Instrument :
MSVOA_N
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MH-140B-20230526

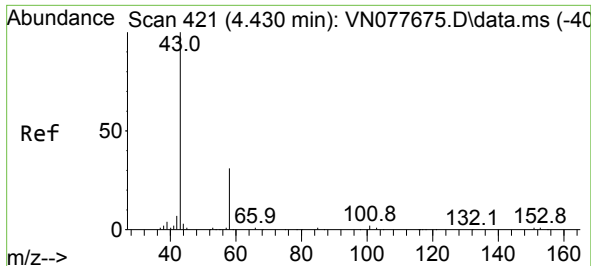
Tgt Ion: 59 Resp: 176
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 4.212 min Scan# 384
Delta R.T. 0.023 min
Lab File: VN077973.D
Acq: 30 May 2023 16:39

Tgt Ion: 56 Resp: 183
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

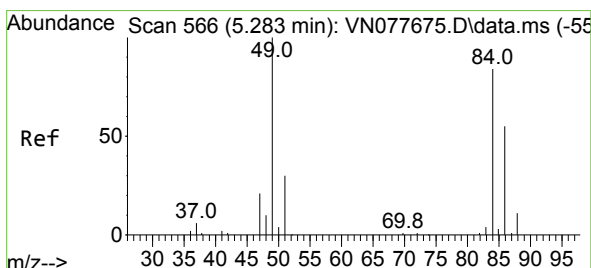
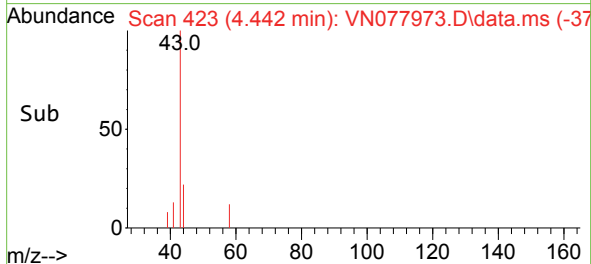
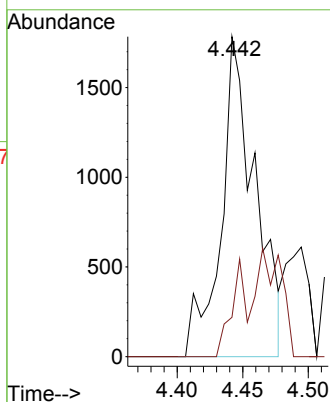
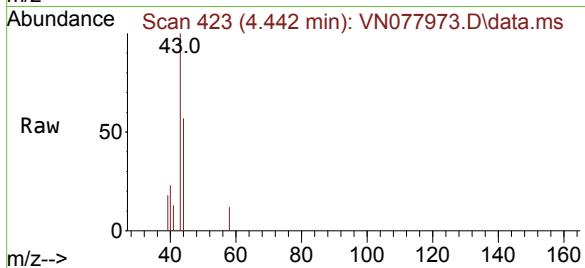




#16
Acetone
Concen: 1.780 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN077973.D
Acq: 30 May 2023 16:39

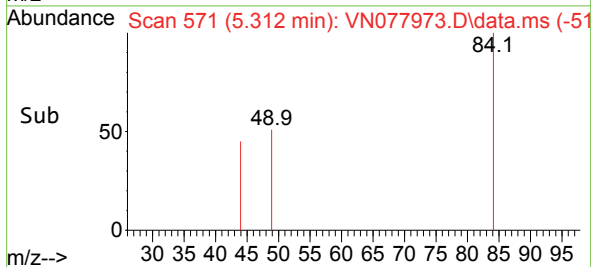
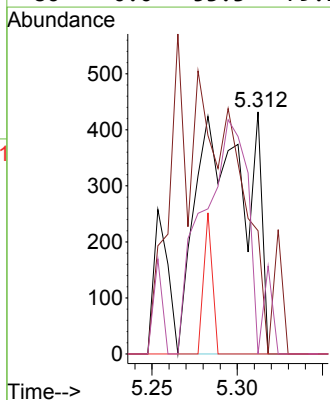
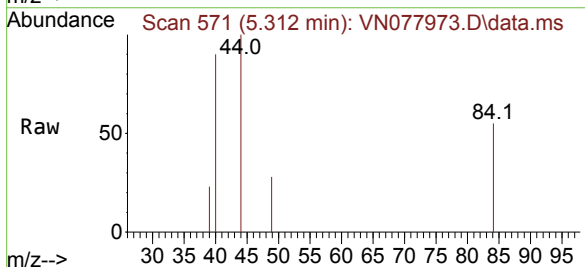
Instrument :
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ClientSampleId :
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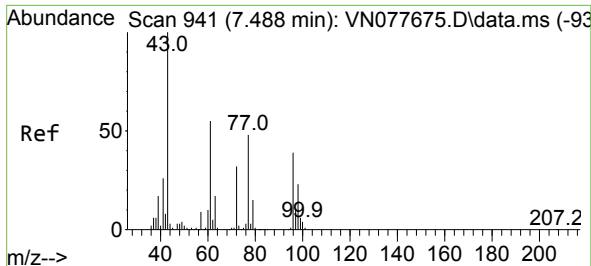
Tgt Ion: 43 Resp: 3211
Ion Ratio Lower Upper
43 100
58 12.3 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.312 min Scan# 571
Delta R.T. 0.029 min
Lab File: VN077973.D
Acq: 30 May 2023 16:39

Tgt Ion: 84 Resp: 912
Ion Ratio Lower Upper
84 100
49 0.0 79.7 119.5#
51 0.0 25.2 37.8#
86 0.0 53.3 79.9#

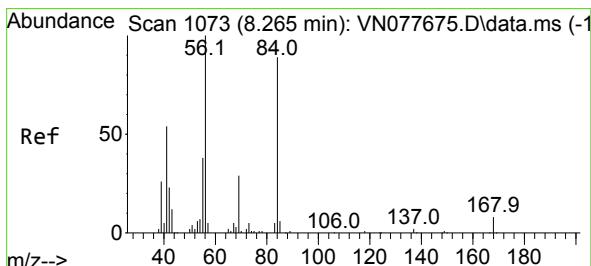
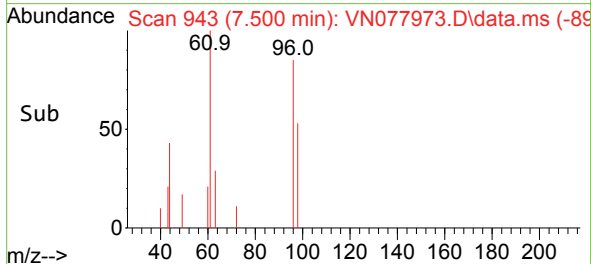
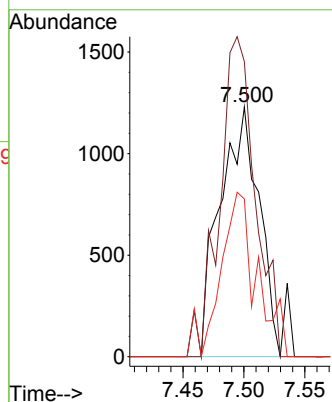
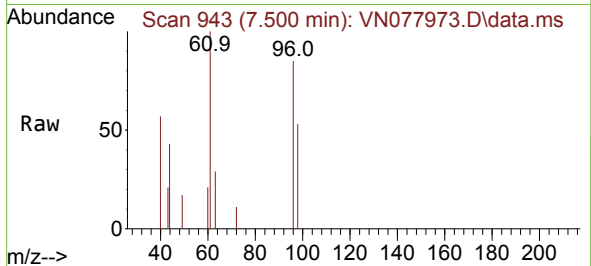




#27
 cis-1,2-Dichloroethene
 Concen: 0.518 ug/l
 RT: 7.500 min Scan# 941
 Delta R.T. 0.012 min
 Lab File: VN077973.D
 Acq: 30 May 2023 16:39

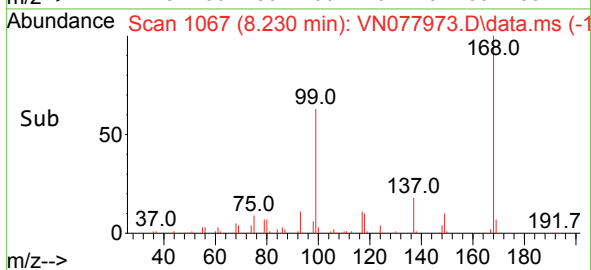
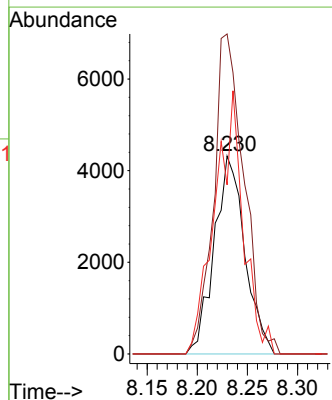
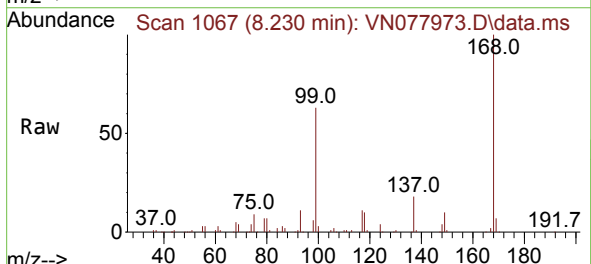
Instrument :
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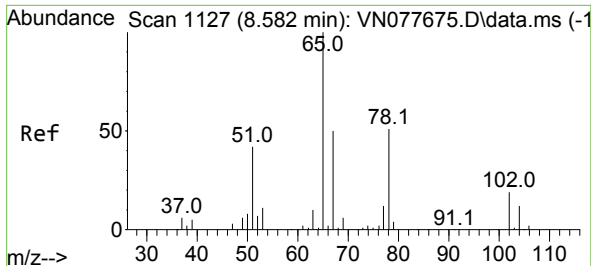
Tgt Ion: 96 Resp: 2815
 Ion Ratio Lower Upper
 96 100
 61 111.6 0.0 255.2
 98 56.6 0.0 128.8



#31
 Cyclohexane
 Concen: 1.175 ug/l
 RT: 8.230 min Scan# 1067
 Delta R.T. -0.035 min
 Lab File: VN077973.D
 Acq: 30 May 2023 16:39

Tgt Ion: 56 Resp: 9158
 Ion Ratio Lower Upper
 56 100
 69 161.7 26.8 40.2#
 84 85.5 81.8 122.6

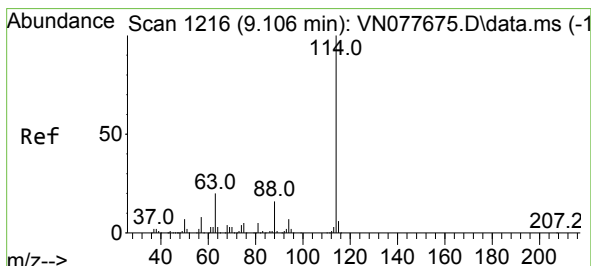
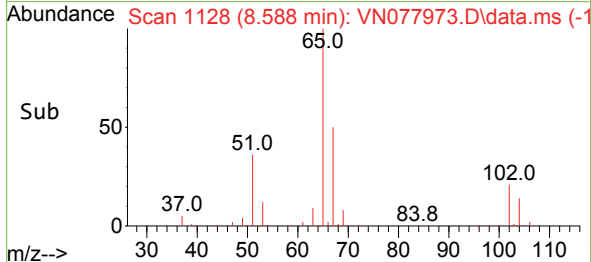
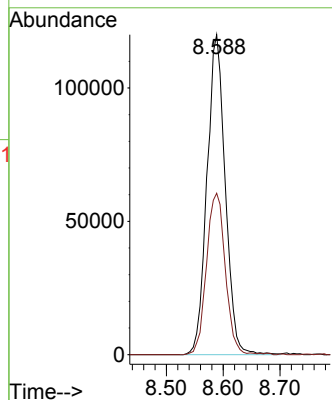
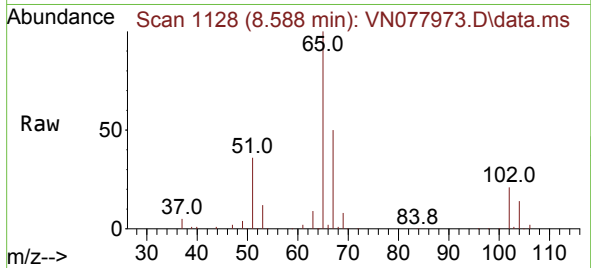




#33
1,2-Dichloroethane-d4
Concen: 46.557 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN077973.D
Acq: 30 May 2023 16:39

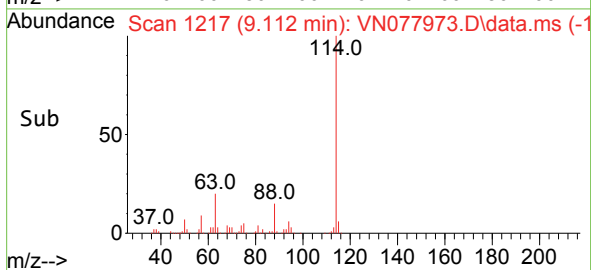
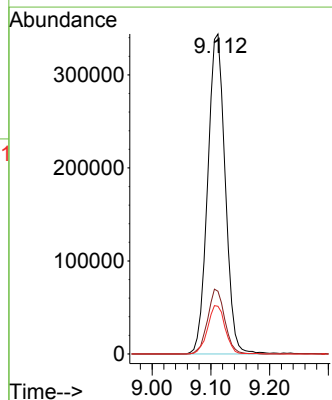
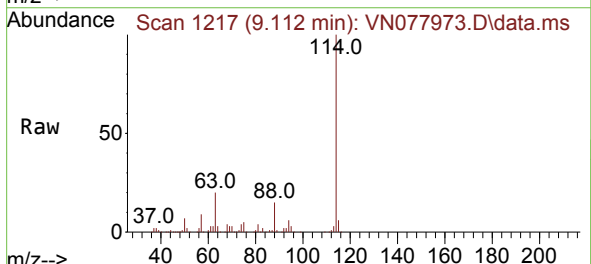
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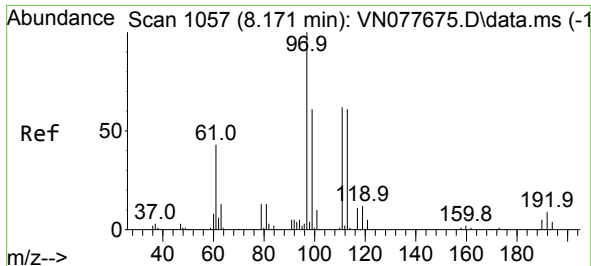
Tgt Ion: 65 Resp: 266977
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. 0.006 min
Lab File: VN077973.D
Acq: 30 May 2023 16:39

Tgt Ion: 114 Resp: 709849
Ion Ratio Lower Upper
114 100
63 19.6 0.0 36.4
88 14.9 0.0 30.6

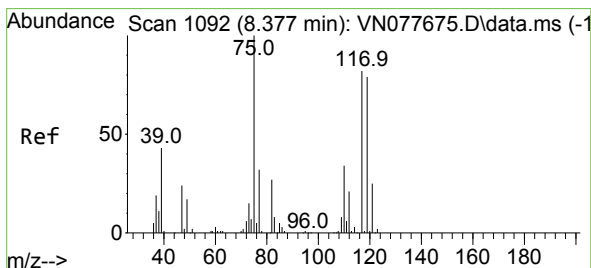
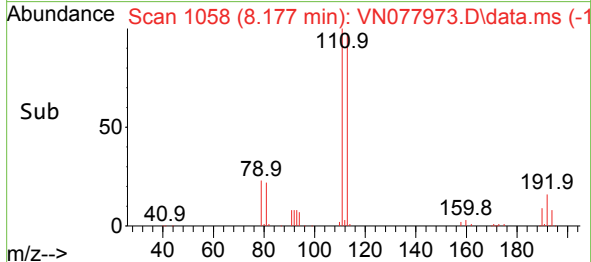
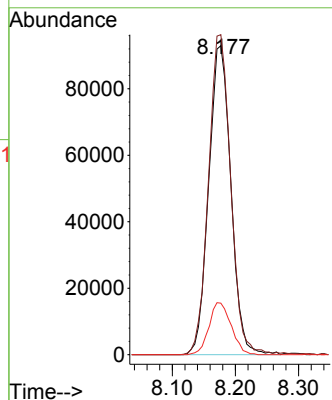
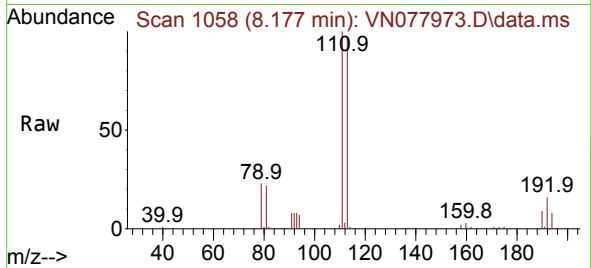




#35
Dibromofluoromethane
Concen: 49.003 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN077973.D
Acq: 30 May 2023 16:39

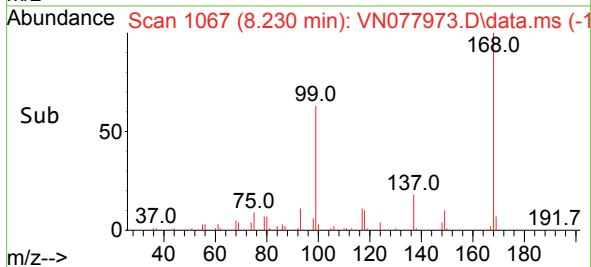
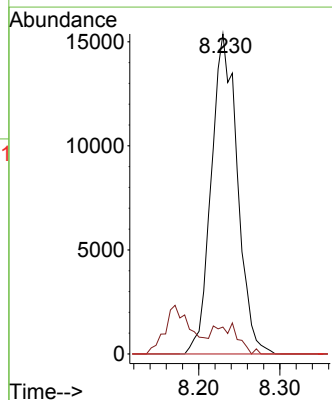
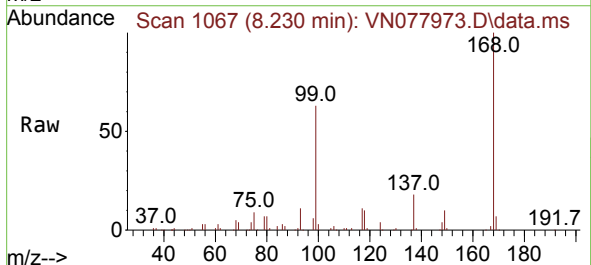
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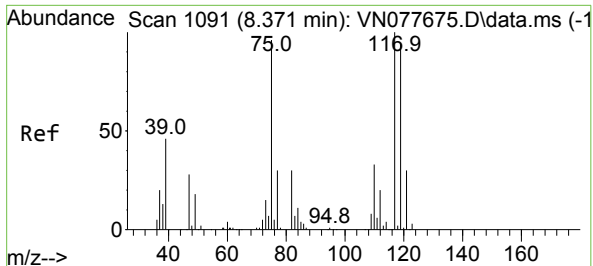
Tgt Ion:113 Resp: 226829
Ion Ratio Lower Upper
113 100
111 103.5 82.6 123.8
192 16.8 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.068 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN077973.D
Acq: 30 May 2023 16:39

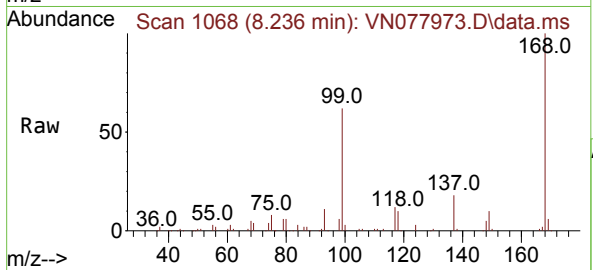
Tgt Ion: 75 Resp: 34315
Ion Ratio Lower Upper
75 100
110 8.5 19.1 57.3#
77 0.0 25.0 37.4#



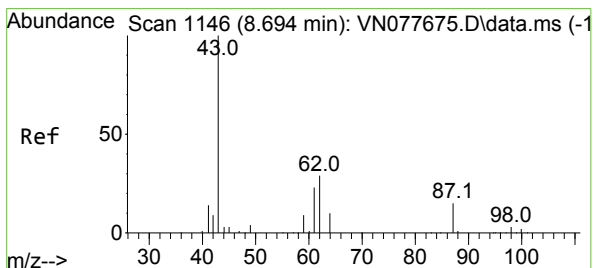
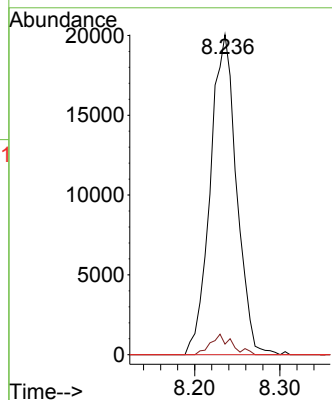
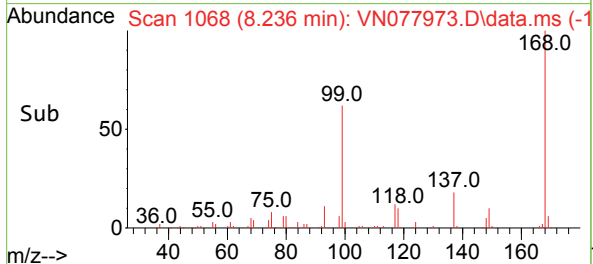


#38
Carbon Tetrachloride
Concen: 6.296 ug/l
RT: 8.236 min Scan# 1105
Delta R.T. -0.135 min
Lab File: VN077973.D
Acq: 30 May 2023 16:39

Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526

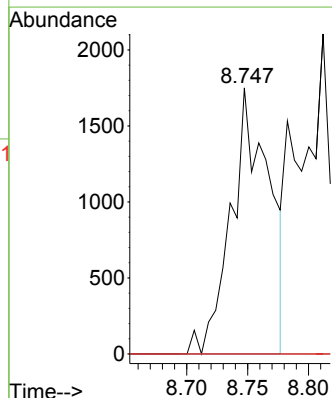
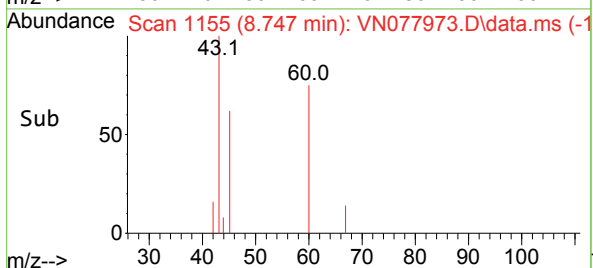
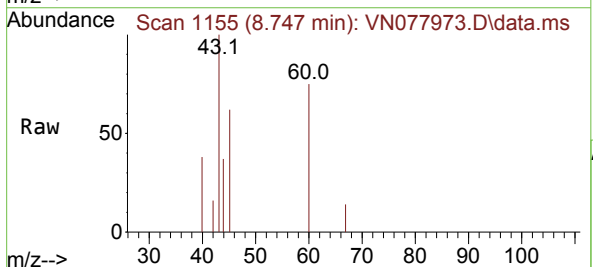


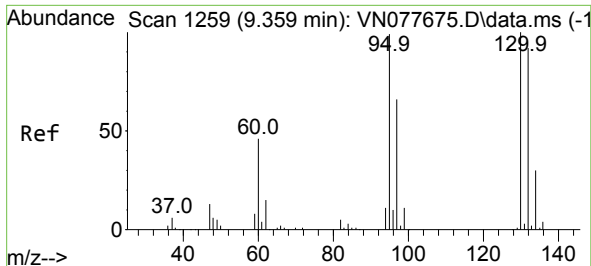
Tgt Ion:117 Resp: 43042
Ion Ratio Lower Upper
117 100
119 3.3 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.384 ug/l
RT: 8.747 min Scan# 1155
Delta R.T. 0.053 min
Lab File: VN077973.D
Acq: 30 May 2023 16:39

Tgt Ion: 43 Resp: 3783
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

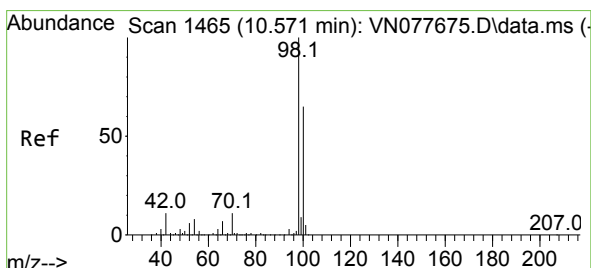
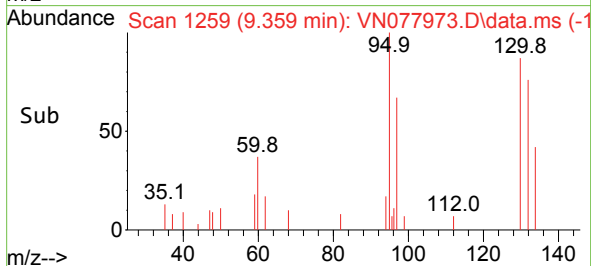
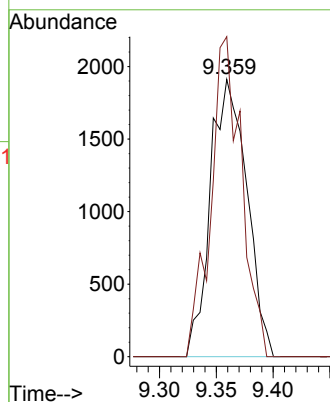
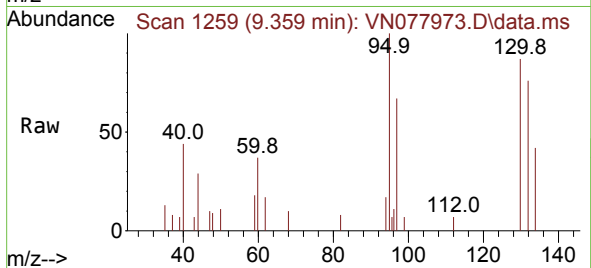




#44
Trichloroethene
Concen: 0.844 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077973.D
Acq: 30 May 2023 16:39

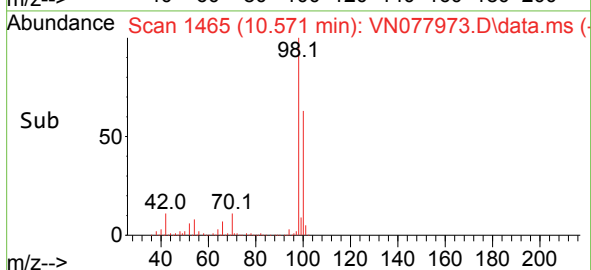
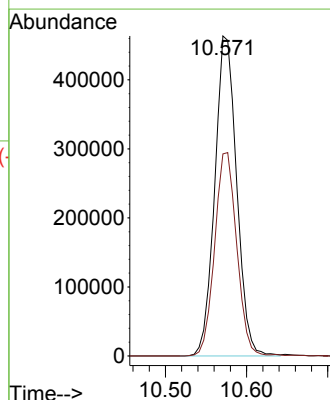
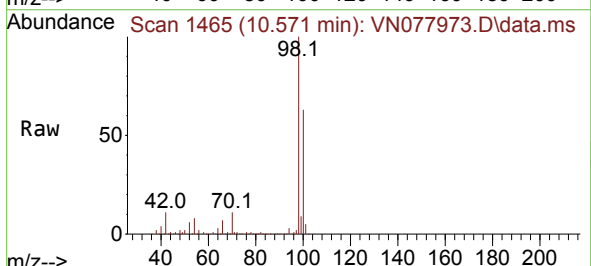
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526

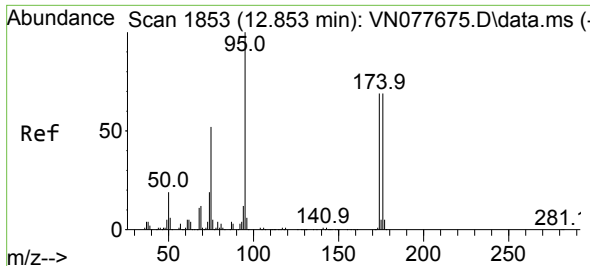
Tgt Ion:130 Resp: 4272
Ion Ratio Lower Upper
130 100
95 123.3 0.0 204.6



#50
Toluene-d8
Concen: 48.853 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077973.D
Acq: 30 May 2023 16:39

Tgt Ion: 98 Resp: 870399
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0

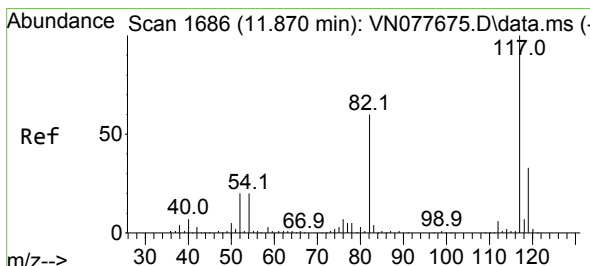
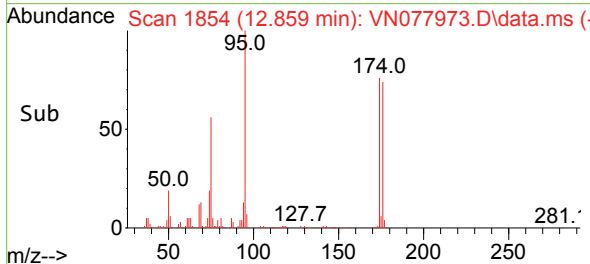
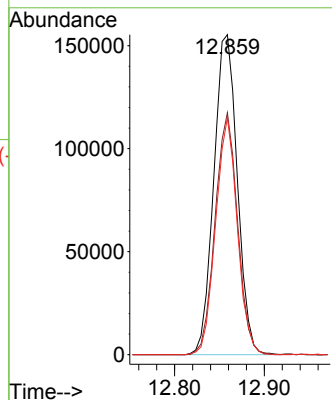
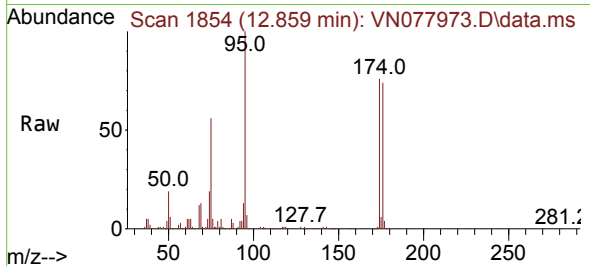




#62
4-Bromofluorobenzene
Concen: 44.827 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077973.D
Acq: 30 May 2023 16:39

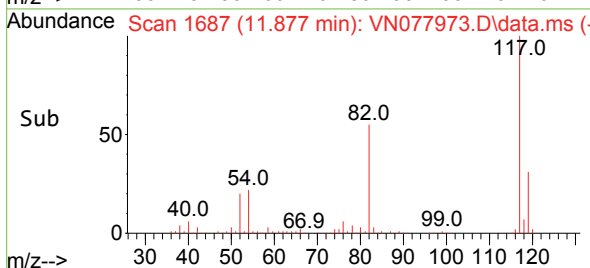
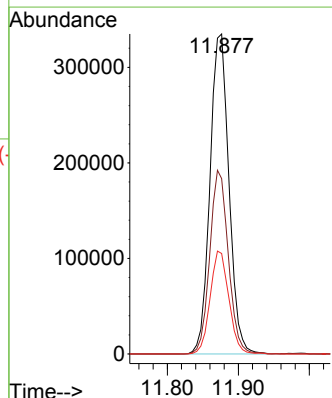
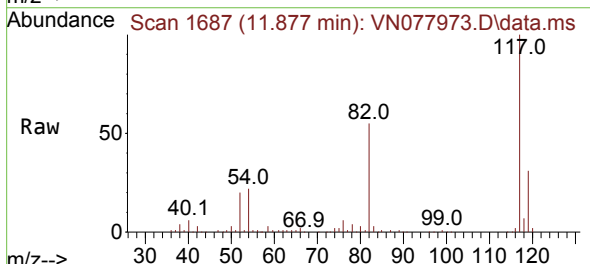
Instrument :
MSVOA_N
ClientSampleId :
MH-140B-20230526

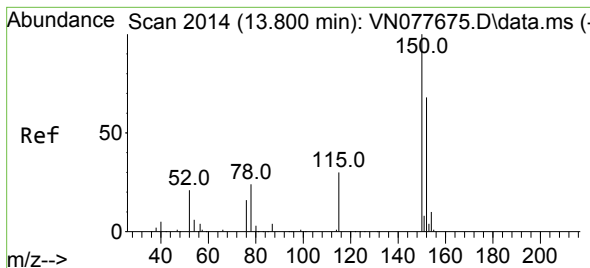
Tgt Ion: 95 Resp: 282074
Ion Ratio Lower Upper
95 100
174 72.3 0.0 143.8
176 68.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.877 min Scan# 1687
Delta R.T. 0.007 min
Lab File: VN077973.D
Acq: 30 May 2023 16:39

Tgt Ion: 117 Resp: 620706
Ion Ratio Lower Upper
117 100
82 54.8 44.0 66.0
119 31.4 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN077973.D

Acq: 30 May 2023 16:39

Instrument :

MSVOA_N

ClientSampleId :

MH-140B-20230526

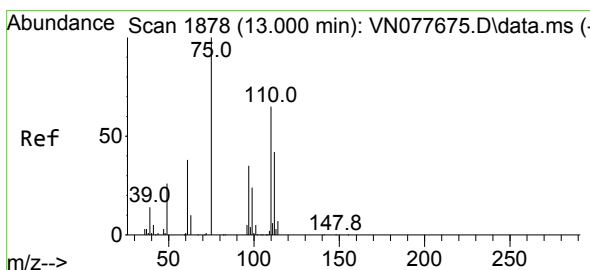
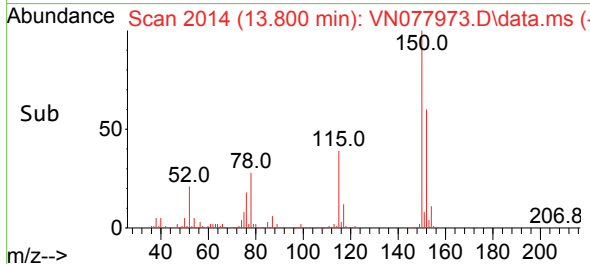
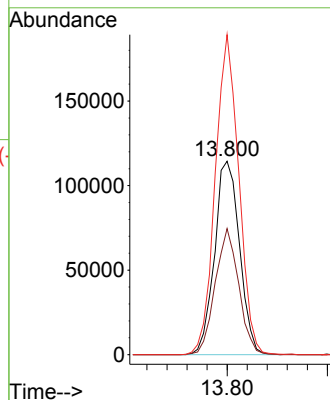
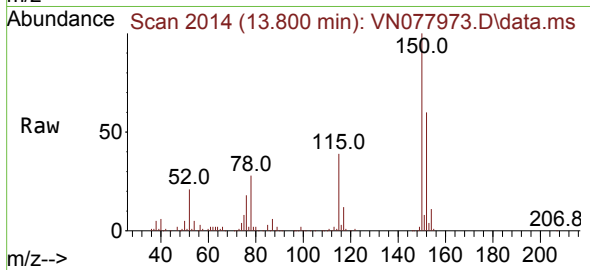
Tgt Ion:152 Resp: 197826

Ion Ratio Lower Upper

152 100

115 61.4 32.3 96.8

150 156.0 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 30.590 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN077973.D

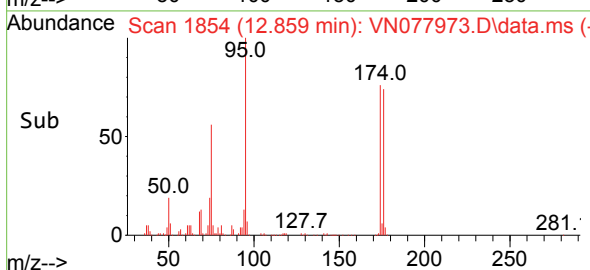
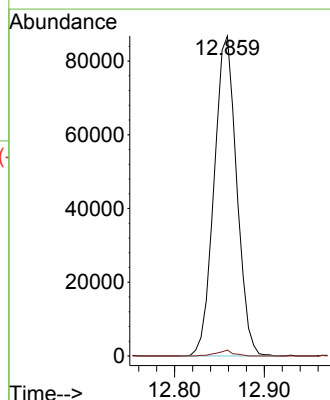
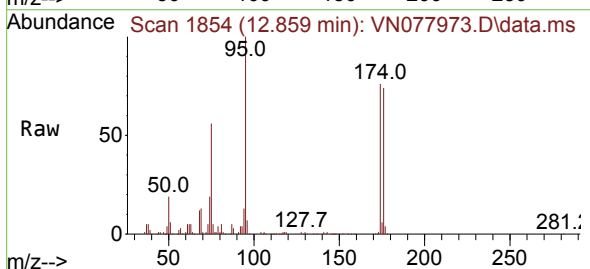
Acq: 30 May 2023 16:39

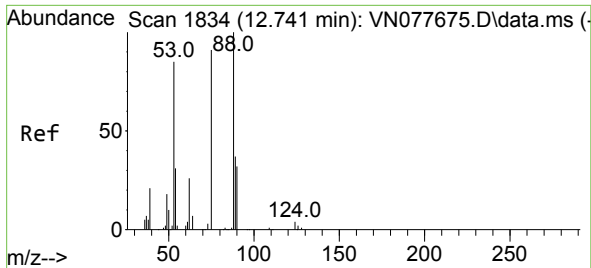
Tgt Ion: 75 Resp: 151552

Ion Ratio Lower Upper

75 100

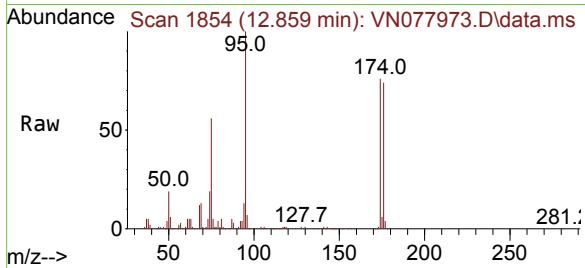
77 1.3 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.782 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN077973.D
 Acq: 30 May 2023 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-140B-20230526



Tgt Ion: 75 Resp: 151552
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

