

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053023\
 Data File : VN077970.D
 Acq On : 30 May 2023 15:27
 Operator : JC\MD
 Sample : 02973-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-118.5N-20230526

Quant Time: May 31 02:08:23 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)

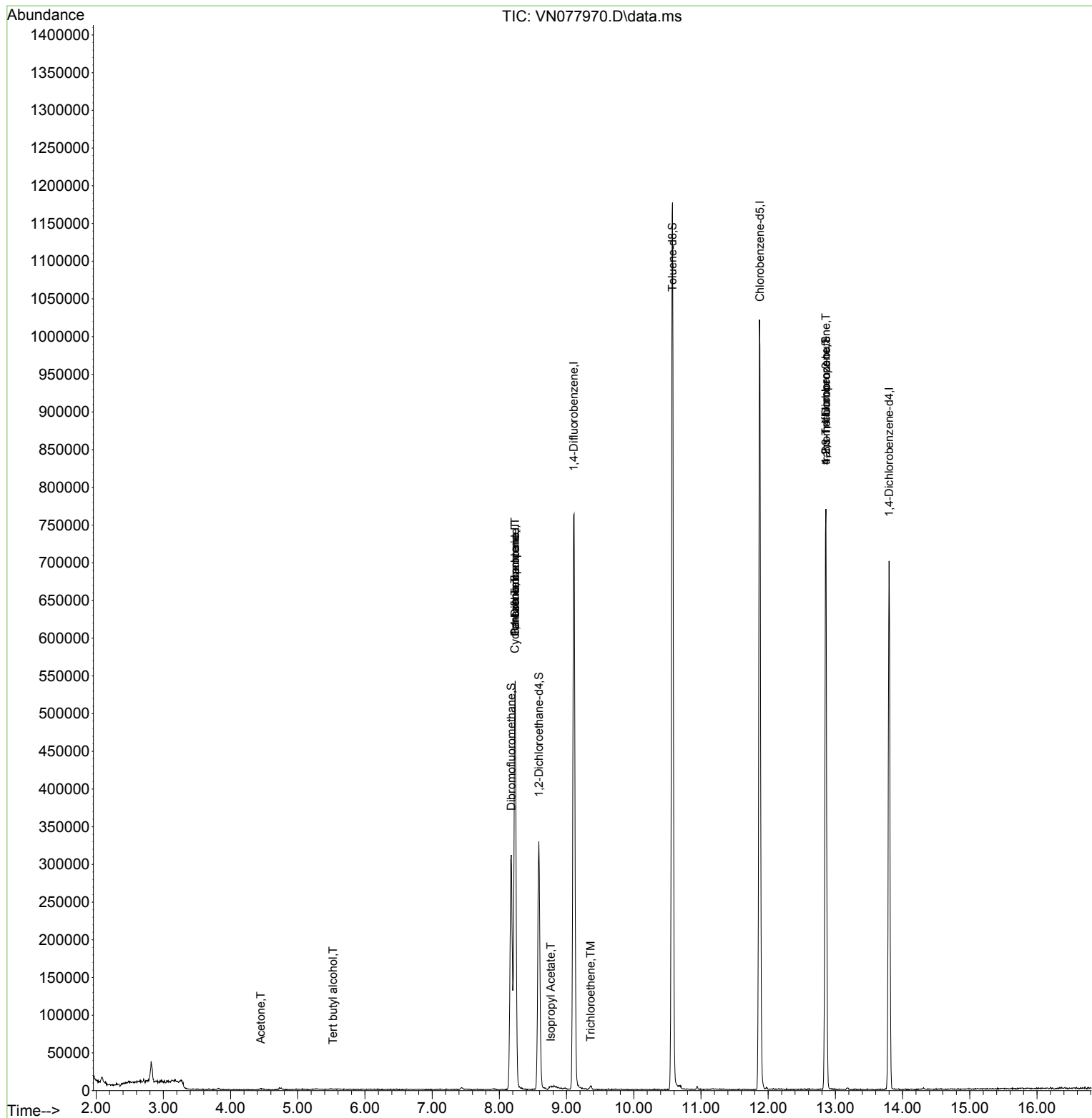
Internal Standards						
1) Pentafluorobenzene	8.236	168	373376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	698142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	616108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	185743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	271256	48.554	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.100%		
35) Dibromofluoromethane	8.177	113	228299	50.148	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.300%		
50) Toluene-d8	10.577	98	860552	49.110	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.220%		
62) 4-Bromofluorobenzene	12.859	95	274759	44.397	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.800%		
Target Compounds						
3) Chloromethane	2.371	50	1311	Below Cal		92
11) Tert butyl alcohol	5.524	59	210	0.272 ug/l #		72
13) Acrolein	4.206	56	439	Below Cal #		52
16) Acetone	4.448	43	1157	0.658 ug/l		95
20) Methylene Chloride	5.289	84	543	Below Cal #		45
31) Cyclohexane	8.230	56	9384	1.236 ug/l #		1
36) 1,1-Dichloropropene	8.236	75	32738	4.917 ug/l #		47
38) Carbon Tetrachloride	8.236	117	42267	6.286 ug/l #		16
43) Isopropyl Acetate	8.765	43	2458	0.254 ug/l #		49
44) Trichloroethene	9.359	130	1816	0.365 ug/l		39
76) 1,2,3-Trichloropropane	12.859	75	148663	31.959 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.859	75	148663	102.158 ug/l #		15

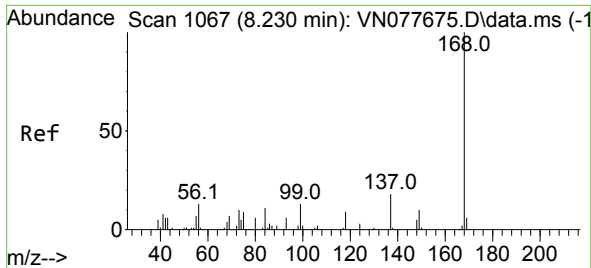
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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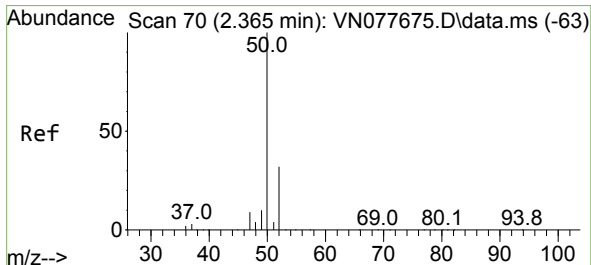
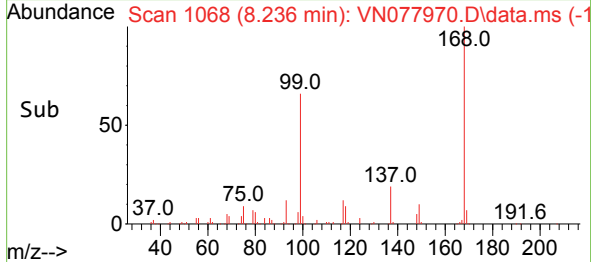
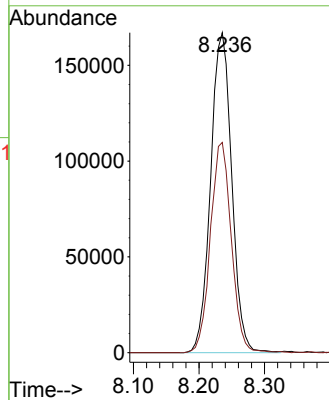
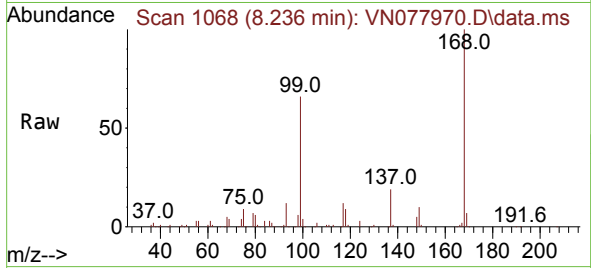




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077970.D
Acq: 30 May 2023 15:27

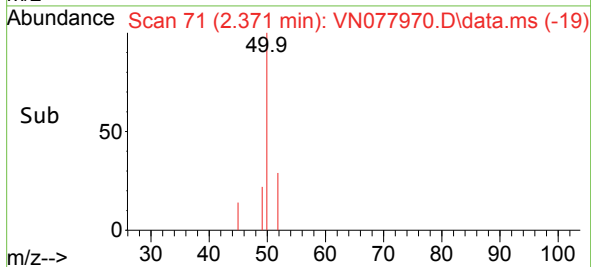
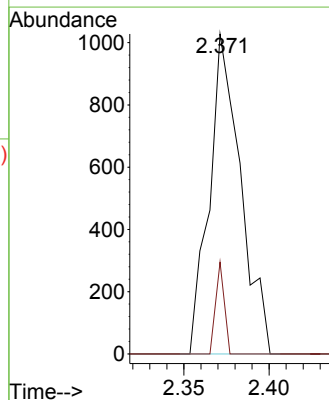
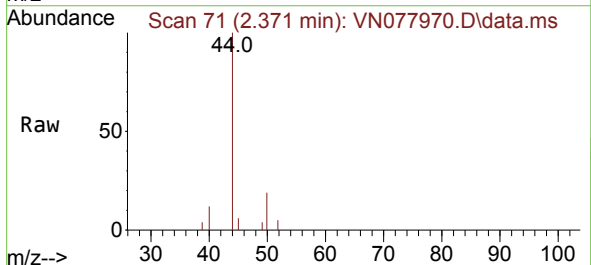
Instrument :
MSVOA_N
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MH-118.5N-20230526

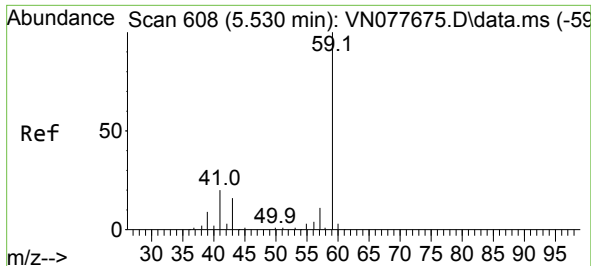
Tgt Ion:168 Resp: 373376
Ion Ratio Lower Upper
168 100
99 65.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077970.D
Acq: 30 May 2023 15:27

Tgt Ion: 50 Resp: 1311
Ion Ratio Lower Upper
50 100
52 28.7 26.5 39.7

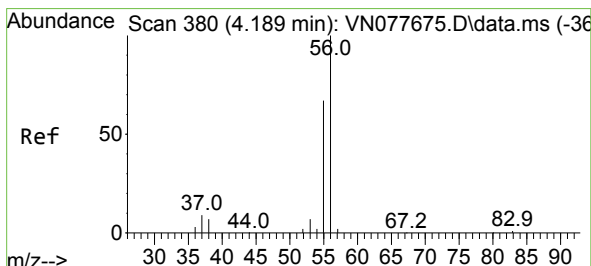
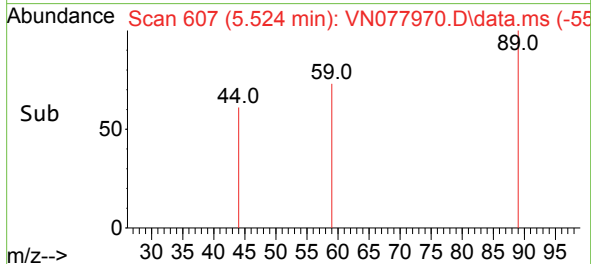
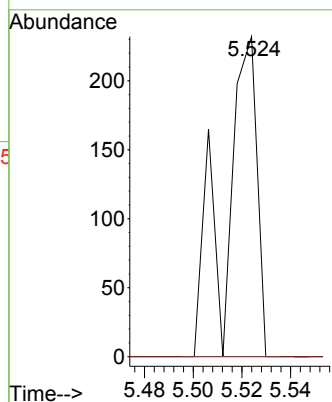
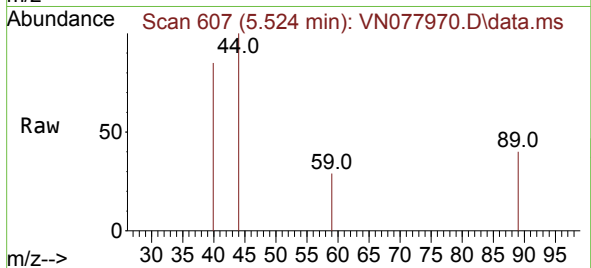




#11
Tert butyl alcohol
Concen: 0.272 ug/l
RT: 5.524 min Scan# 608
Delta R.T. -0.006 min
Lab File: VN077970.D
Acq: 30 May 2023 15:27

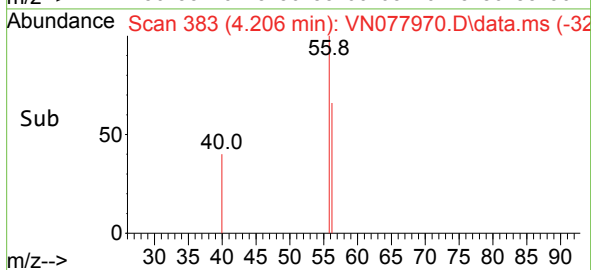
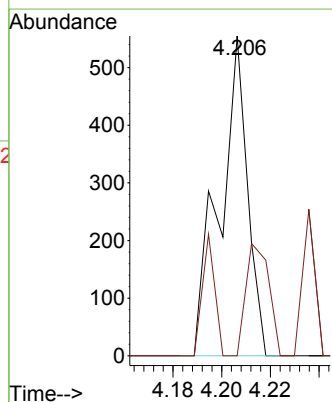
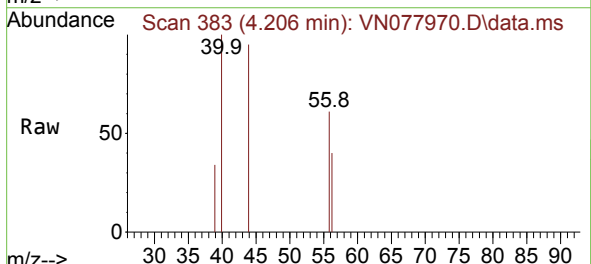
Instrument :
MSVOA_N
ClientSampleId :
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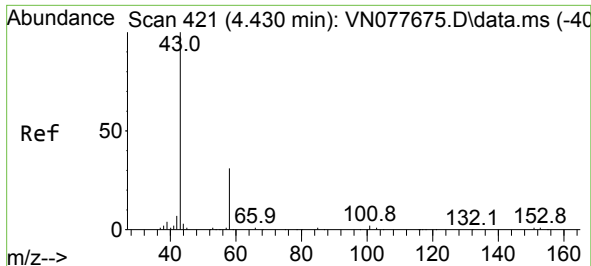
Tgt Ion: 59 Resp: 210
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 4.206 min Scan# 383
Delta R.T. 0.017 min
Lab File: VN077970.D
Acq: 30 May 2023 15:27

Tgt Ion: 56 Resp: 439
Ion Ratio Lower Upper
56 100
55 28.9 54.5 81.7#

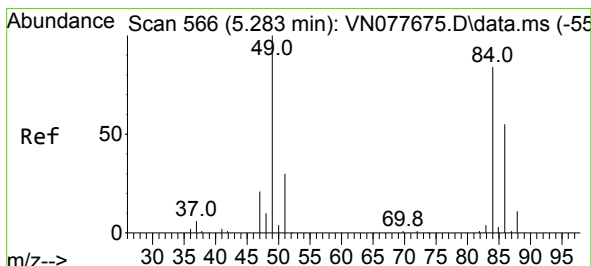
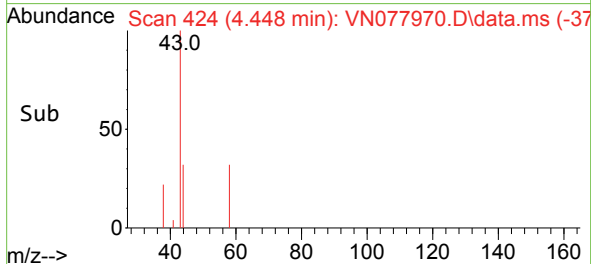
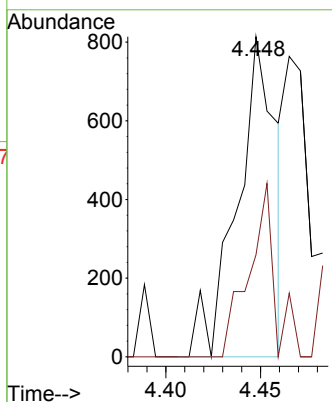
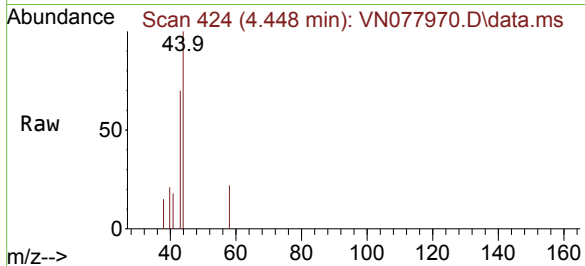




#16
Acetone
Concen: 0.658 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN077970.D
Acq: 30 May 2023 15:27

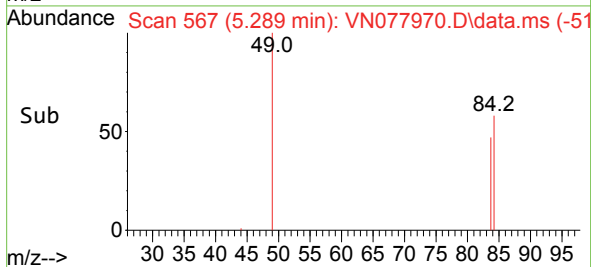
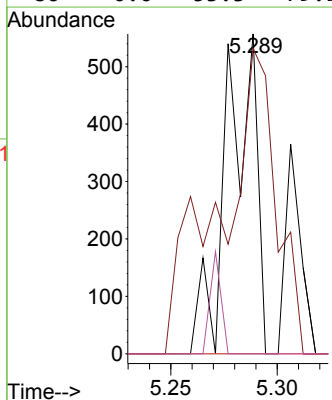
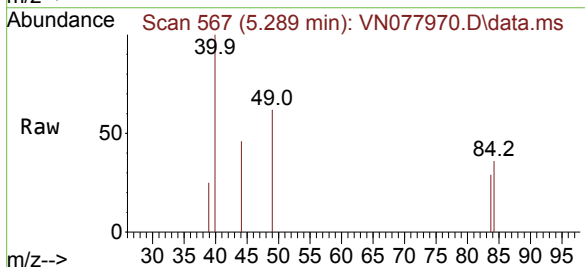
Instrument :
MSVOA_N
ClientSampleId :
MH-118.5N-20230526

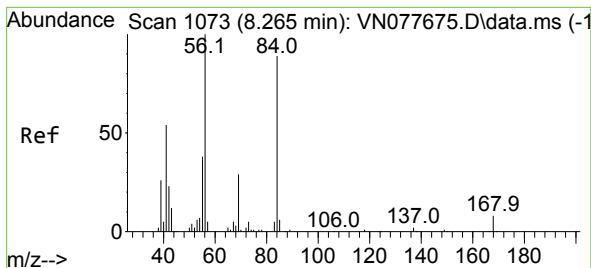
Tgt Ion: 43 Resp: 1157
Ion Ratio Lower Upper
43 100
58 31.8 28.0 42.0



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN077970.D
Acq: 30 May 2023 15:27

Tgt Ion: 84 Resp: 543
Ion Ratio Lower Upper
84 100
49 63.7 79.7 119.5#
51 0.0 25.2 37.8#
86 0.0 53.3 79.9#





#31

Cyclohexane

Concen: 1.236 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN077970.D

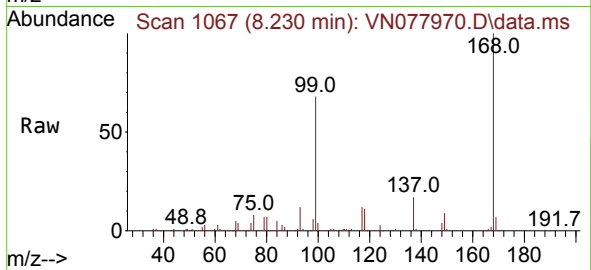
Acq: 30 May 2023 15:27

Instrument :

MSVOA_N

ClientSampleId :

MH-118.5N-20230526



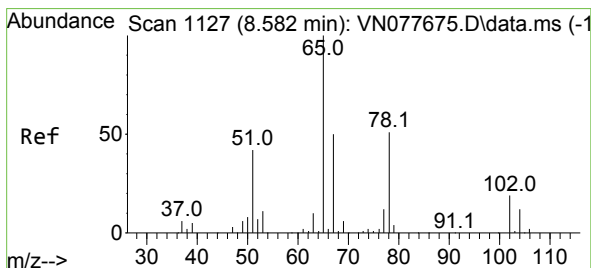
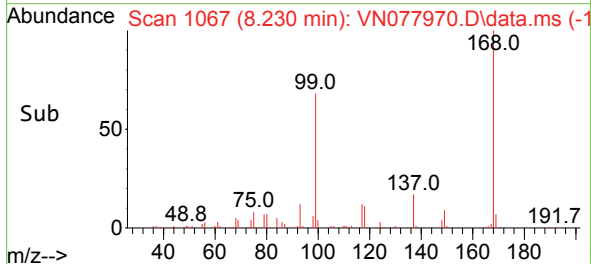
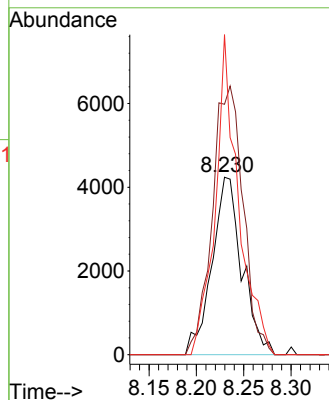
Tgt Ion: 56 Resp: 9384

Ion Ratio Lower Upper

56 100

69 141.0 26.8 40.2#

84 180.3 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 48.554 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN077970.D

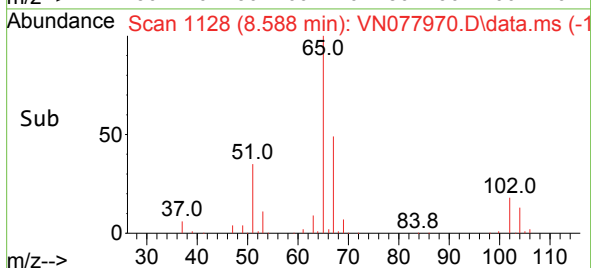
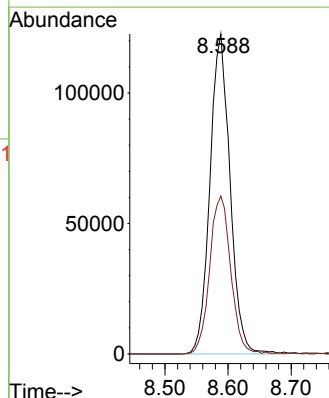
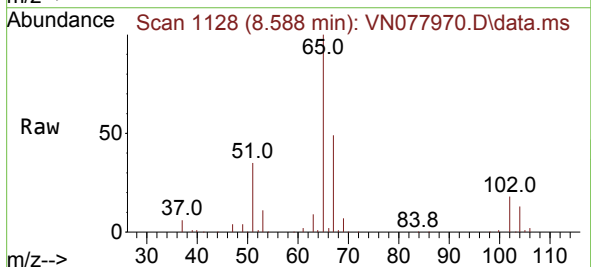
Acq: 30 May 2023 15:27

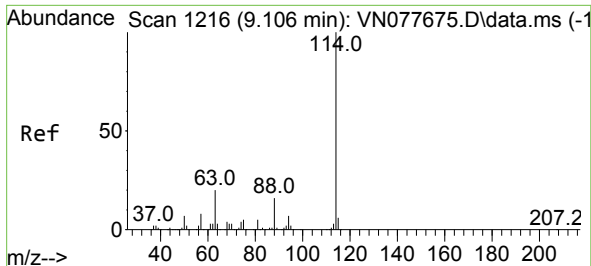
Tgt Ion: 65 Resp: 271256

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN077970.D

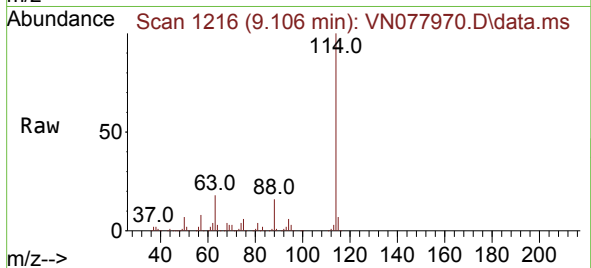
Acq: 30 May 2023 15:27

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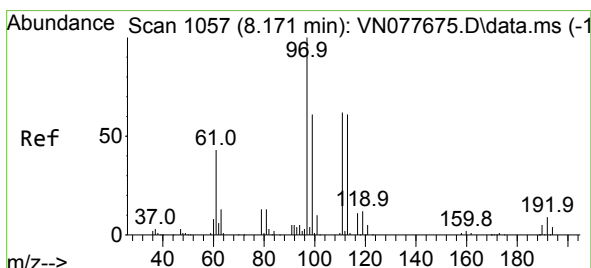
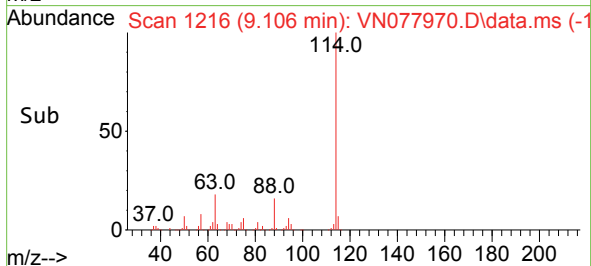
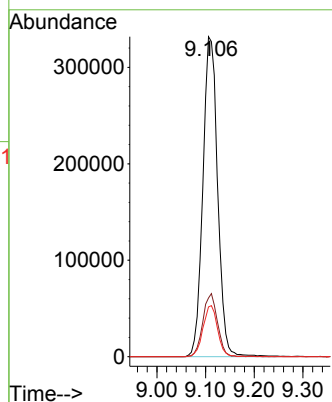
Tgt Ion:114 Resp: 698142

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.148 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN077970.D

Acq: 30 May 2023 15:27

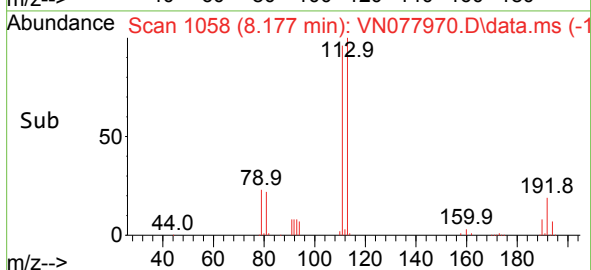
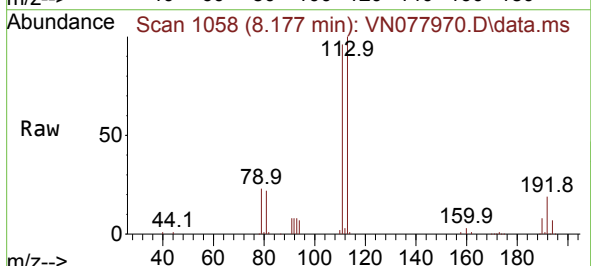
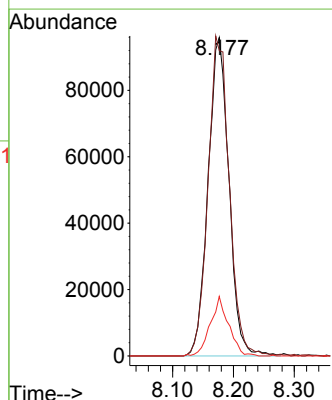
Tgt Ion:113 Resp: 228299

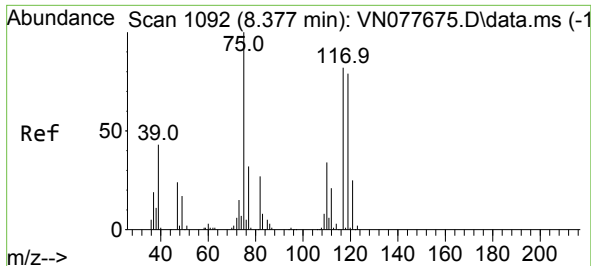
Ion Ratio Lower Upper

113 100

111 101.9 82.6 123.8

192 16.4 12.7 19.1

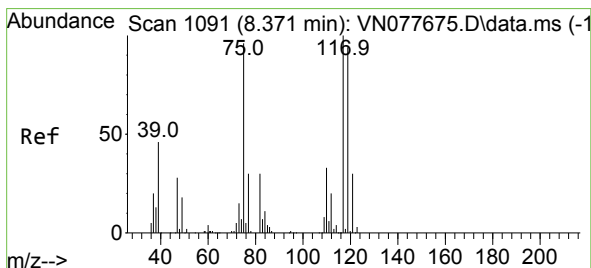
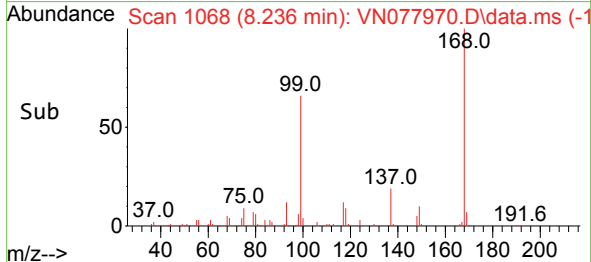
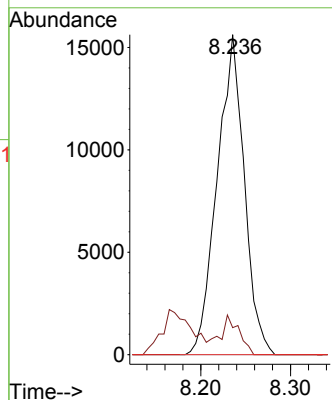
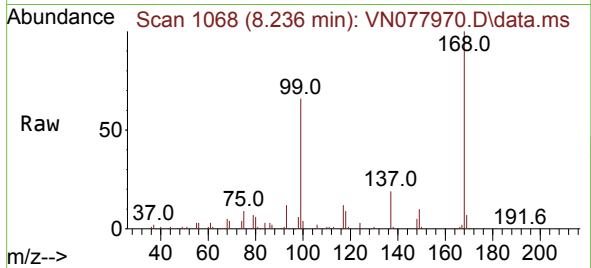




#36
1,1-Dichloropropene
Concen: 4.917 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN077970.D
Acq: 30 May 2023 15:27

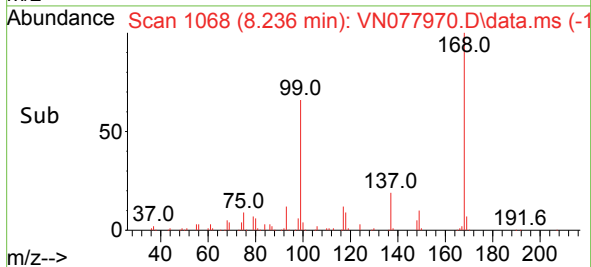
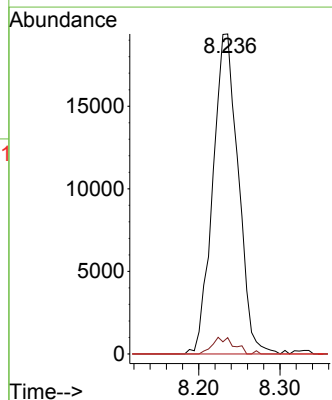
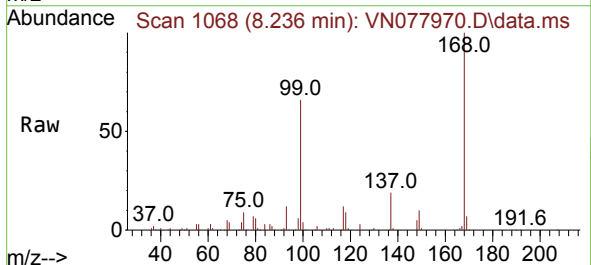
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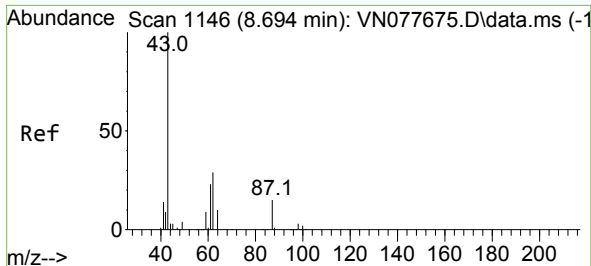
Tgt Ion: 75 Resp: 32738
Ion Ratio Lower Upper
75 100
110 8.0 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.286 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN077970.D
Acq: 30 May 2023 15:27

Tgt Ion: 117 Resp: 42267
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 23.3 34.9#

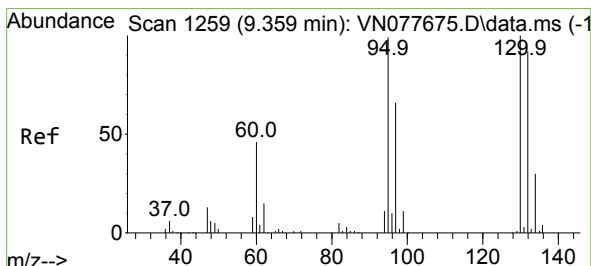
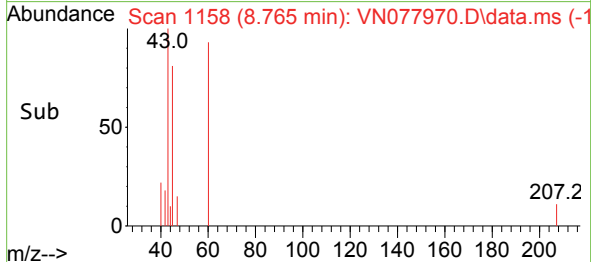
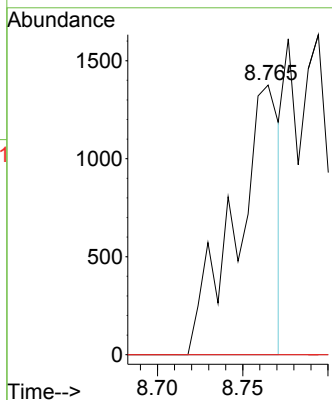
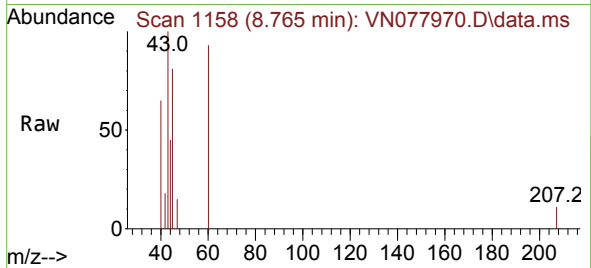




#43
Isopropyl Acetate
Concen: 0.254 ug/l
RT: 8.765 min Scan# 1158
Delta R.T. 0.071 min
Lab File: VN077970.D
Acq: 30 May 2023 15:27

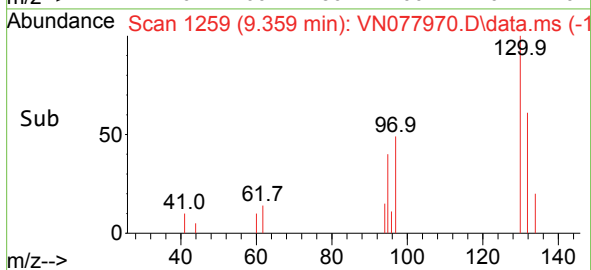
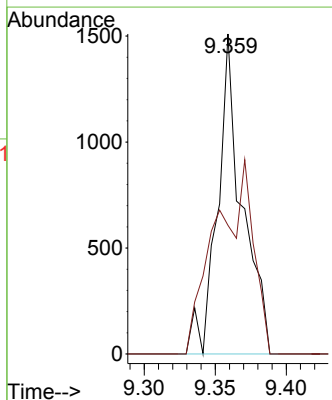
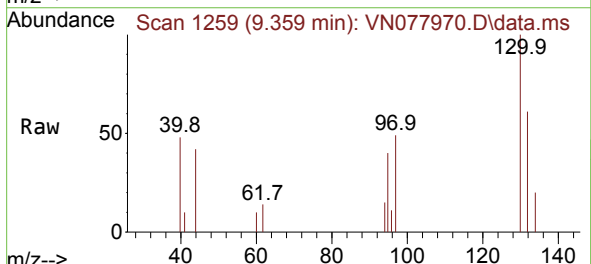
Instrument :
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MH-118.5N-20230526

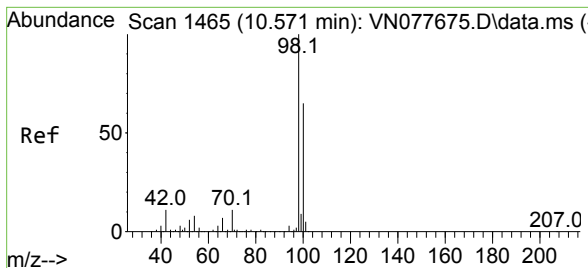
Tgt Ion: 43 Resp: 2458
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#44
Trichloroethene
Concen: 0.365 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN077970.D
Acq: 30 May 2023 15:27

Tgt Ion:130 Resp: 1816
Ion Ratio Lower Upper
130 100
95 40.2 0.0 204.6





#50

Toluene-d8

Concen: 49.110 ug/l

RT: 10.577 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN077970.D

Acq: 30 May 2023 15:27

Instrument :

MSVOA_N

ClientSampleId :

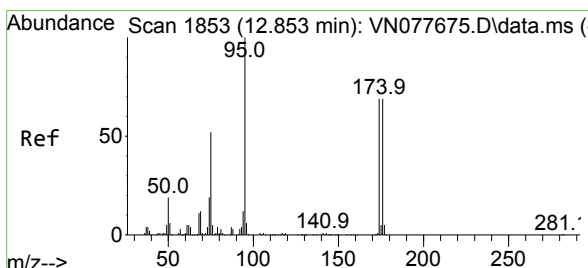
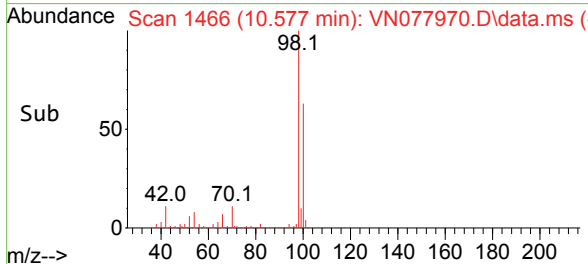
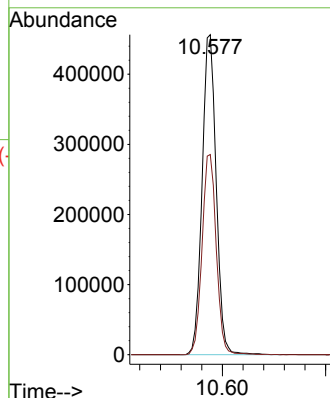
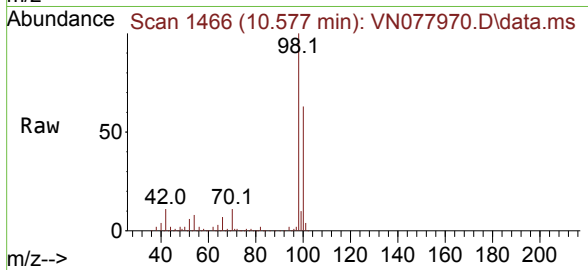
MH-118.5N-20230526

Tgt Ion: 98 Resp: 860552

Ion Ratio Lower Upper

98 100

100 63.1 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 44.397 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VN077970.D

Acq: 30 May 2023 15:27

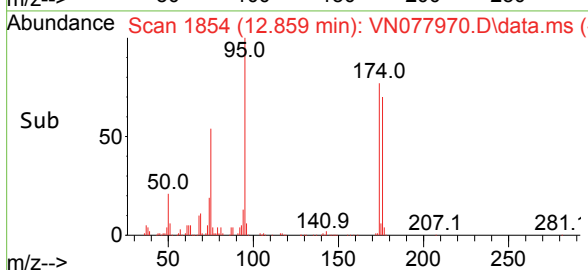
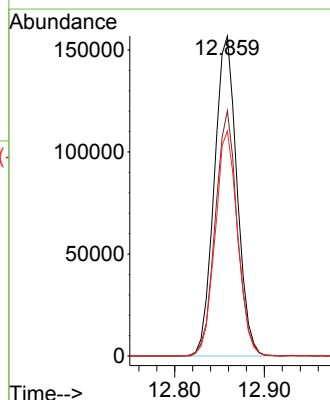
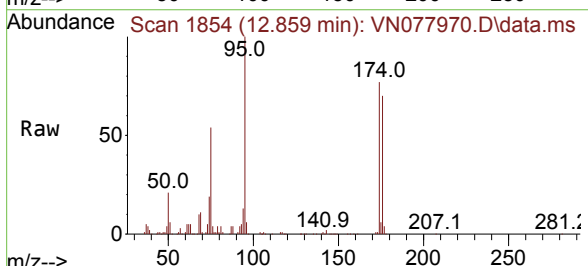
Tgt Ion: 95 Resp: 274759

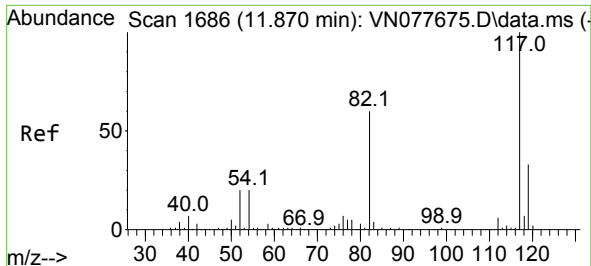
Ion Ratio Lower Upper

95 100

174 74.2 0.0 143.8

176 69.7 0.0 135.8

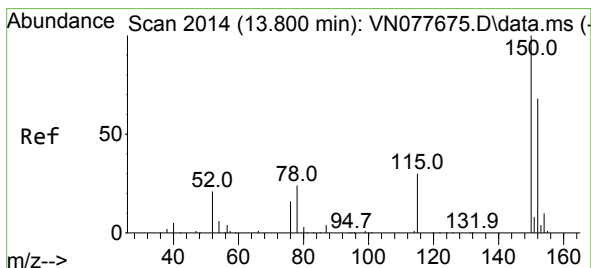
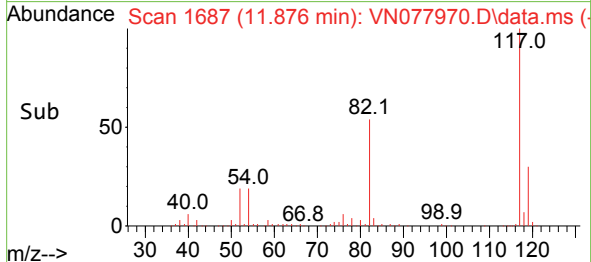
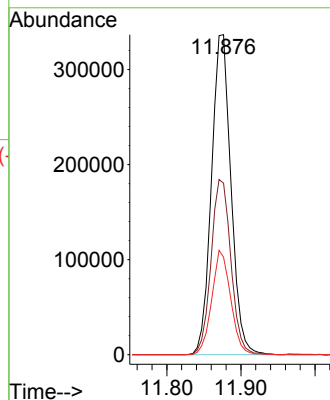
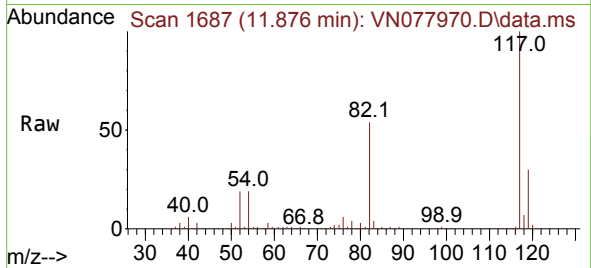




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077970.D
Acq: 30 May 2023 15:27

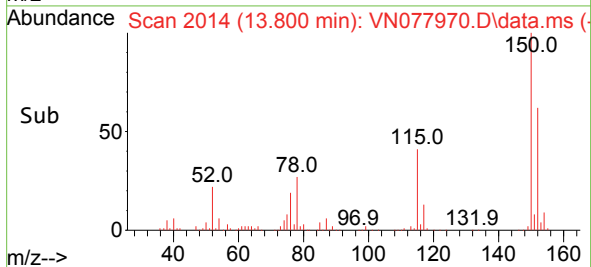
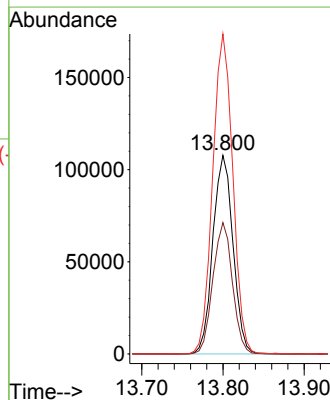
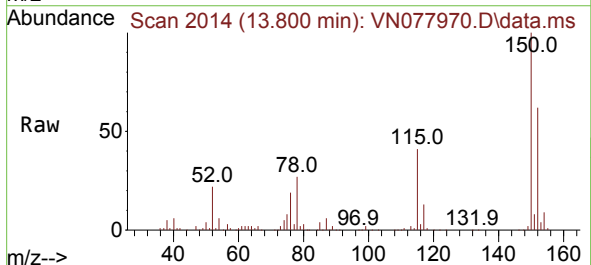
Instrument :
MSVOA_N
ClientSampleId :
MH-118.5N-20230526

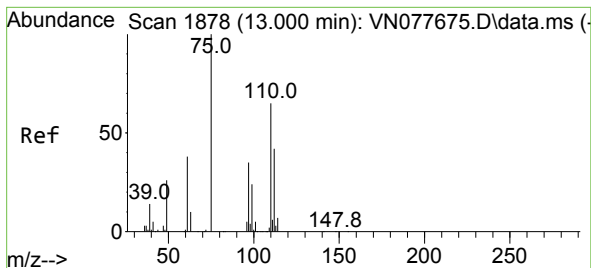
Tgt Ion:117 Resp: 616108
Ion Ratio Lower Upper
117 100
82 53.6 44.0 66.0
119 30.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077970.D
Acq: 30 May 2023 15:27

Tgt Ion:152 Resp: 185743
Ion Ratio Lower Upper
152 100
115 64.1 32.3 96.8
150 160.9 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 31.959 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN077970.D

Acq: 30 May 2023 15:27

Instrument :

MSVOA_N

ClientSampleId :

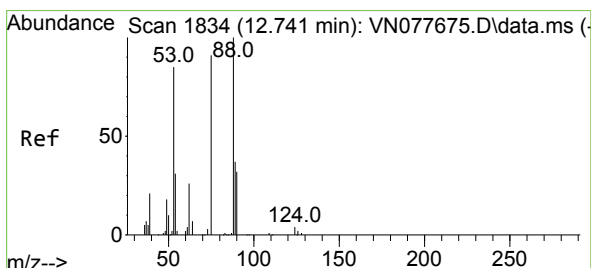
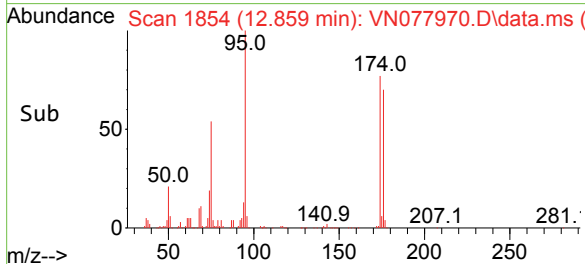
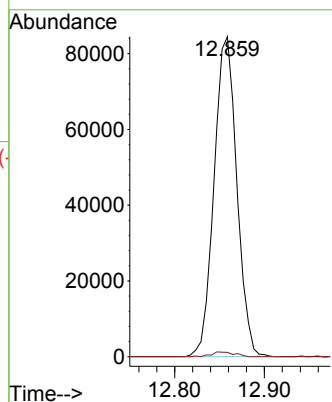
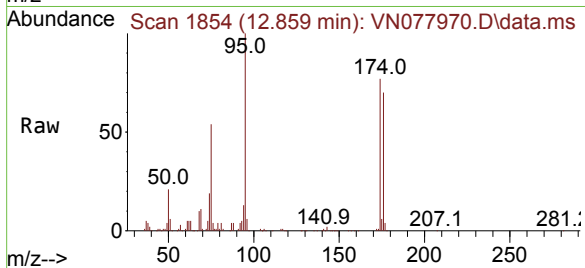
MH-118.5N-20230526

Tgt Ion: 75 Resp: 148663

Ion Ratio Lower Upper

75 100

77 1.5 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 102.158 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.118 min

Lab File: VN077970.D

Acq: 30 May 2023 15:27

Tgt Ion: 75 Resp: 148663

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#

