

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053123\
 Data File : VN077991.D
 Acq On : 31 May 2023 14:32
 Operator : JC\MD
 Sample : 02973-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

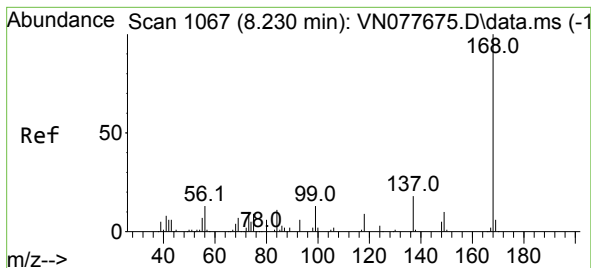
Instrument :
 MSVOA_N
 ClientSampleId :
 MH-140N-20230526

Quant Time: Jun 01 01:51:55 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	8.235	168	380249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	697375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	600181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	176045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	266023	46.757	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.520%
35) Dibromofluoromethane	8.177	113	230062	50.591	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.180%
50) Toluene-d8	10.571	98	852182	48.686	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.380%
62) 4-Bromofluorobenzene	12.859	95	266607	43.127	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.260%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1940	Below Cal		94
5) Bromomethane	2.977	94	1894	0.469	ug/l	90
13) Acrolein	4.265	56	54	Below Cal	#	16
16) Acetone	4.447	43	4039	2.256	ug/l #	86
20) Methylene Chloride	5.294	84	445	Below Cal	#	35
27) cis-1,2-Dichloroethene	7.494	96	2713	0.504	ug/l	97
31) Cyclohexane	8.230	56	9073	1.173	ug/l #	50
36) 1,1-Dichloropropene	8.235	75	31006	4.662	ug/l #	48
38) Carbon Tetrachloride	8.230	117	42083	6.266	ug/l #	15
44) Trichloroethene	9.359	130	4221	0.849	ug/l	85
76) 1,2,3-Trichloropropane	12.859	75	142094	32.230	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	142094	103.023	ug/l #	15

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN077991.D

Acq: 31 May 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

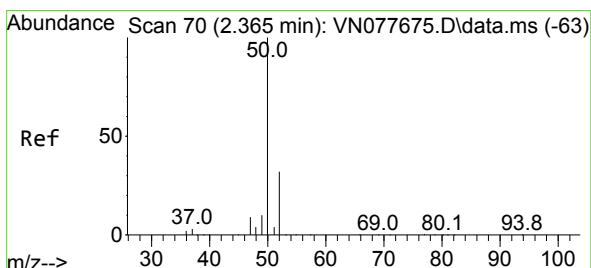
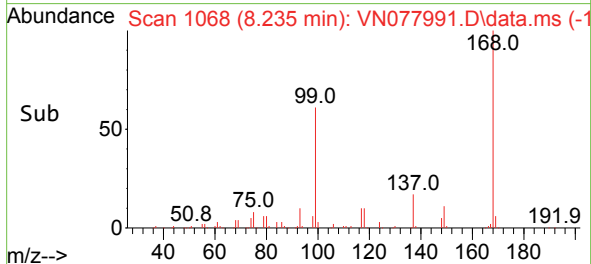
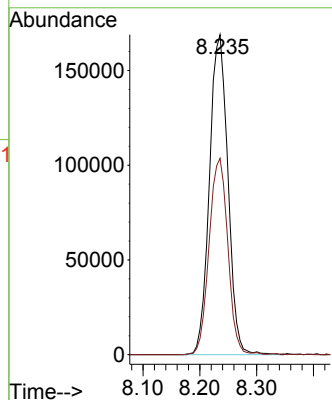
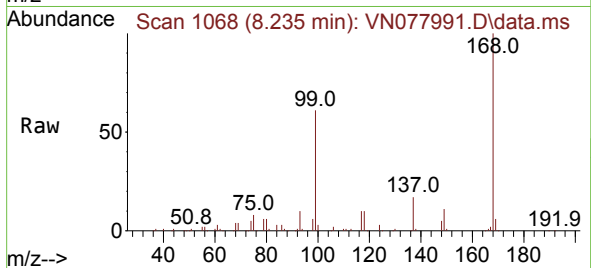
MH-140N-20230526

Tgt Ion:168 Resp: 380249

Ion Ratio Lower Upper

168 100

99 61.3 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.377 min Scan# 72

Delta R.T. 0.012 min

Lab File: VN077991.D

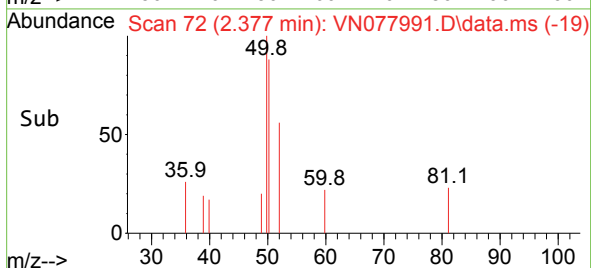
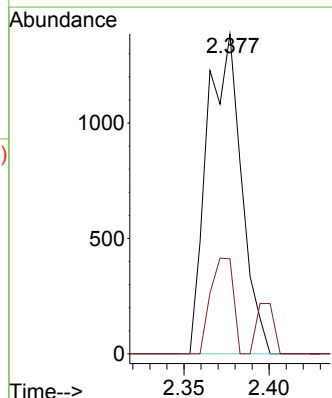
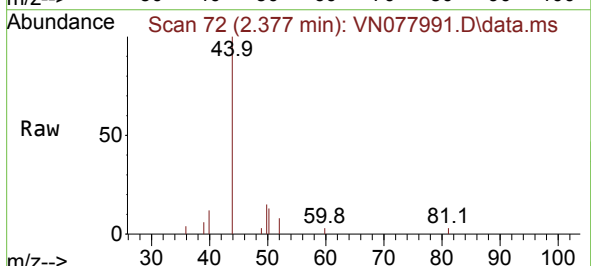
Acq: 31 May 2023 14:32

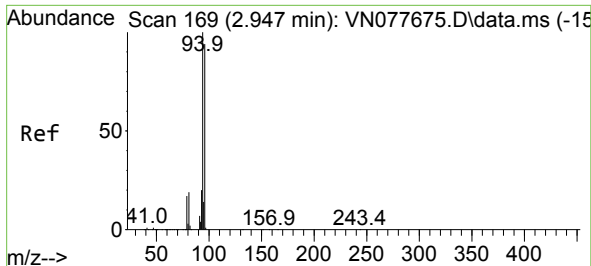
Tgt Ion: 50 Resp: 1940

Ion Ratio Lower Upper

50 100

52 29.7 26.5 39.7

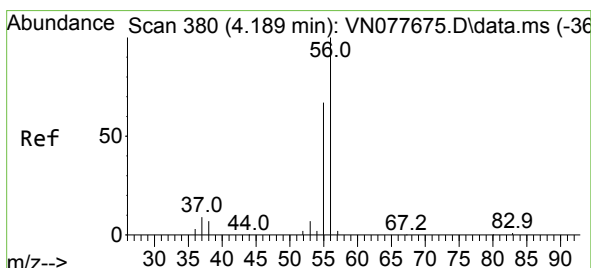
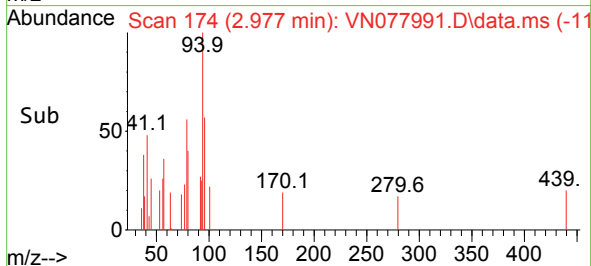
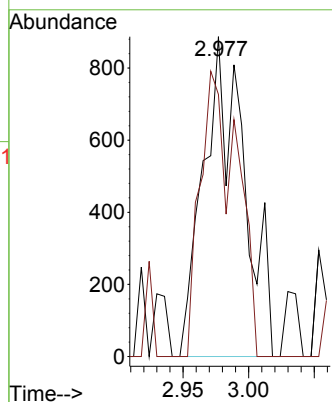
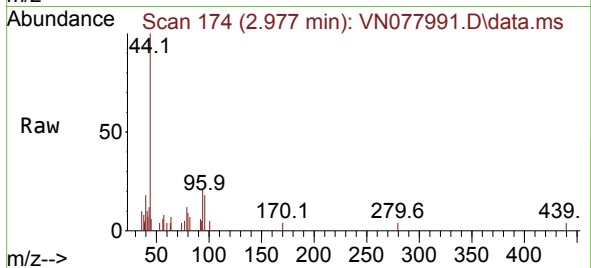




#5
Bromomethane
Concen: 0.469 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN077991.D
Acq: 31 May 2023 14:32

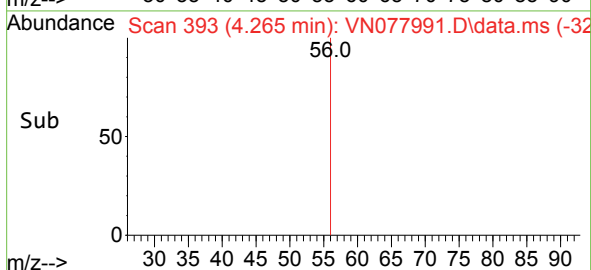
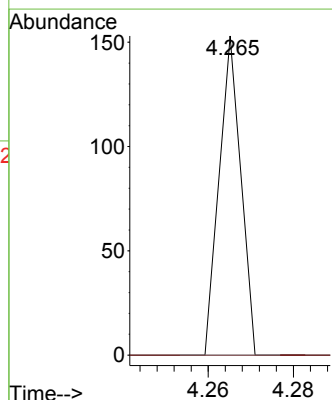
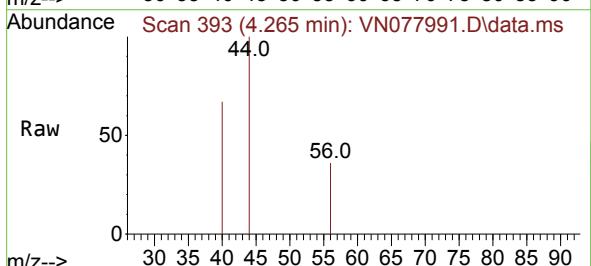
Instrument :
MSVOA_N
ClientSampleId :
MH-140N-20230526

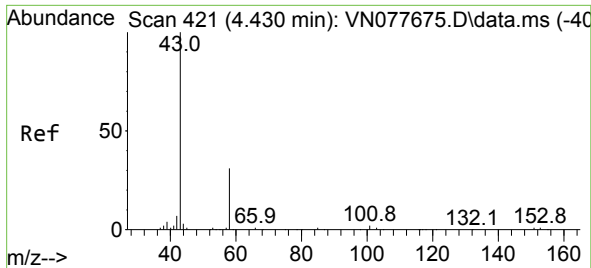
Tgt Ion: 94 Resp: 1894
Ion Ratio Lower Upper
94 100
96 82.0 73.1 109.7



#13
Acrolein
Concen: Below Cal
RT: 4.265 min Scan# 393
Delta R.T. 0.076 min
Lab File: VN077991.D
Acq: 31 May 2023 14:32

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#





#16

Acetone

Concen: 2.256 ug/l

RT: 4.447 min Scan# 41

Delta R.T. 0.017 min

Lab File: VN077991.D

Acq: 31 May 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

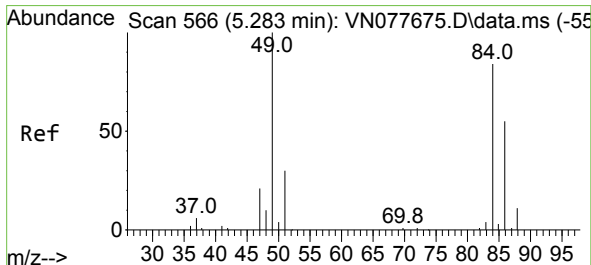
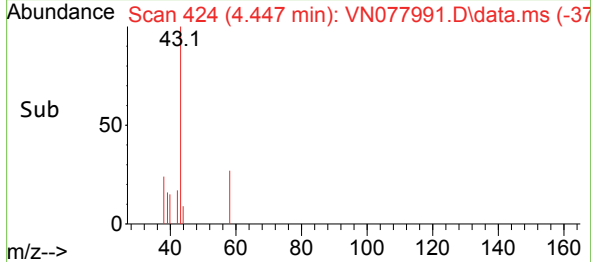
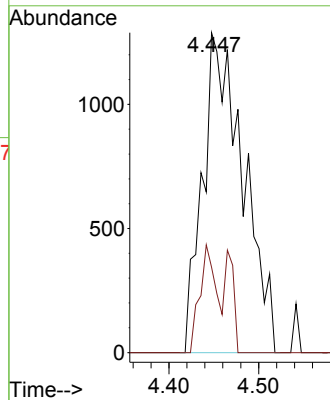
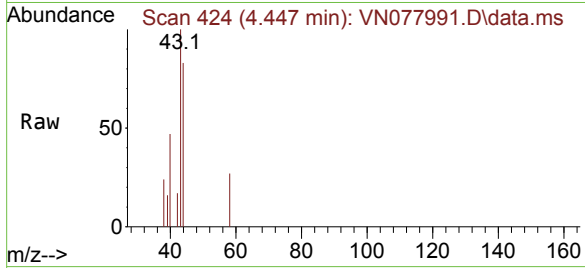
MH-140N-20230526

Tgt Ion: 43 Resp: 4039

Ion Ratio Lower Upper

43 100

58 26.7 28.0 42.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.294 min Scan# 568

Delta R.T. 0.011 min

Lab File: VN077991.D

Acq: 31 May 2023 14:32

Tgt Ion: 84 Resp: 445

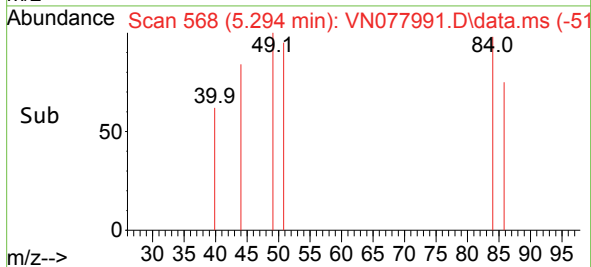
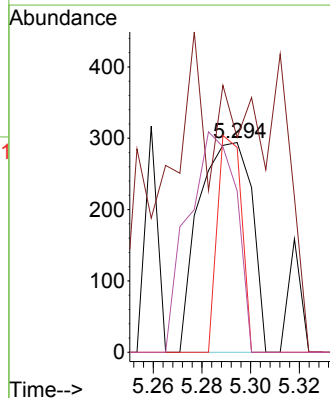
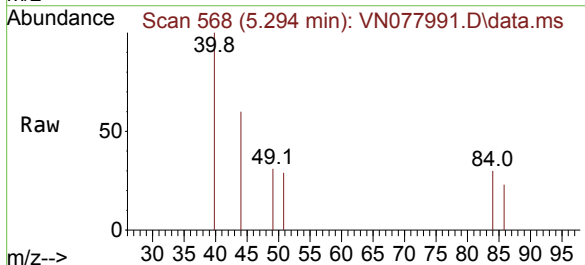
Ion Ratio Lower Upper

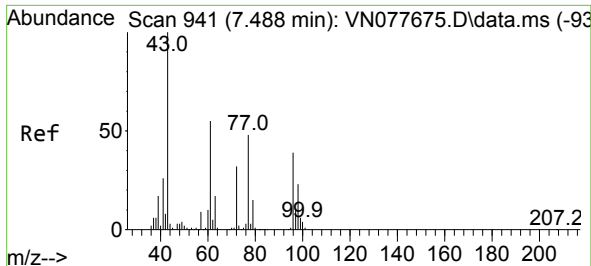
84 100

49 17.0 79.7 119.5#

51 97.6 25.2 37.8#

86 76.9 53.3 79.9





#27

cis-1,2-Dichloroethene

Concen: 0.504 ug/l

RT: 7.494 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN077991.D

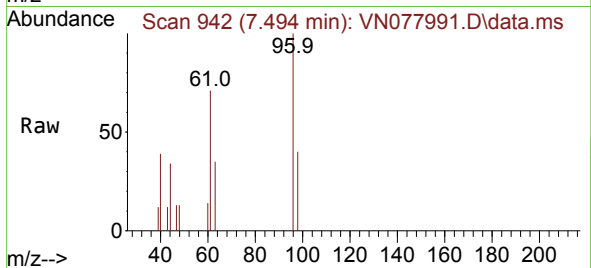
Acq: 31 May 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

MH-140N-20230526



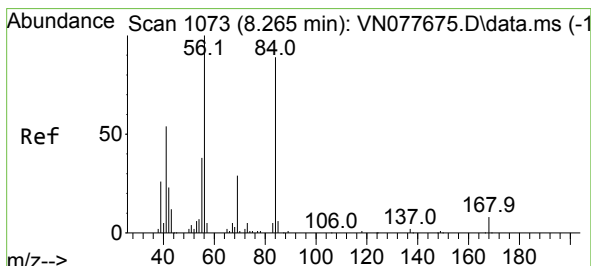
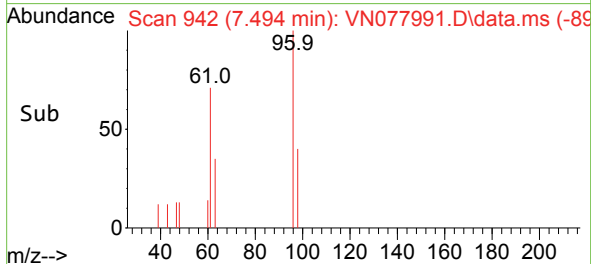
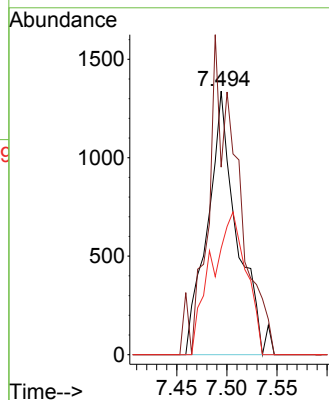
Tgt Ion: 96 Resp: 2713

Ion Ratio Lower Upper

96 100

61 123.2 0.0 255.2

98 64.8 0.0 128.8



#31

Cyclohexane

Concen: 1.173 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN077991.D

Acq: 31 May 2023 14:32

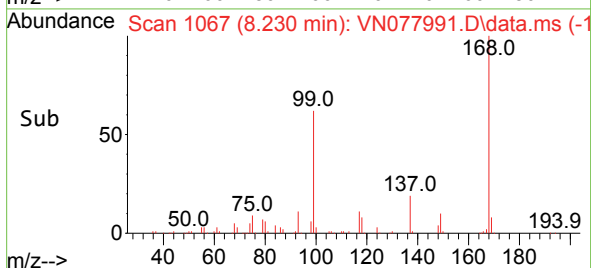
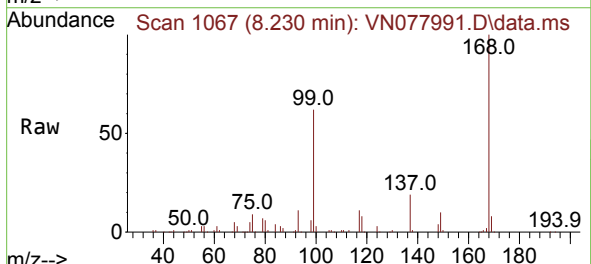
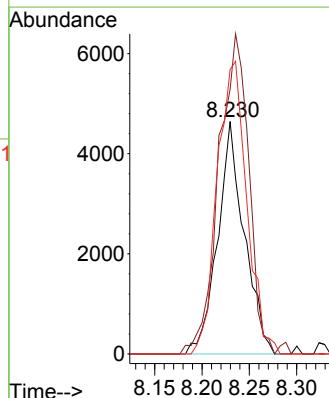
Tgt Ion: 56 Resp: 9073

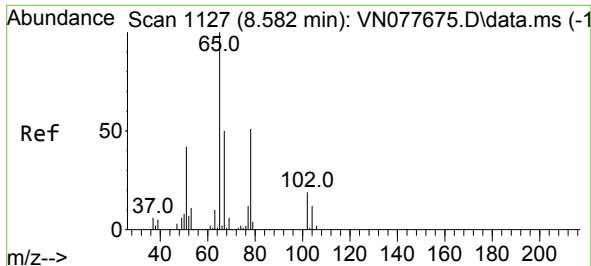
Ion Ratio Lower Upper

56 100

69 113.8 26.8 40.2#

84 122.4 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 46.757 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN077991.D

Acq: 31 May 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

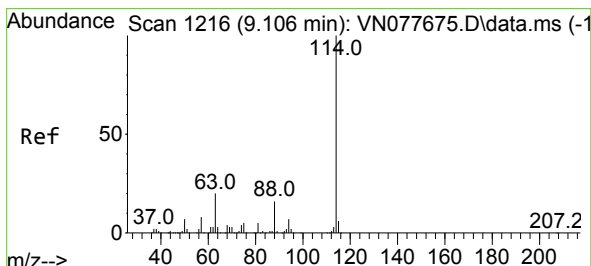
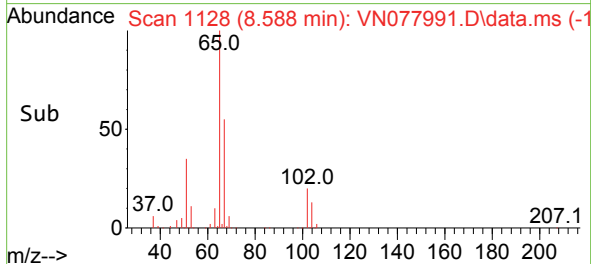
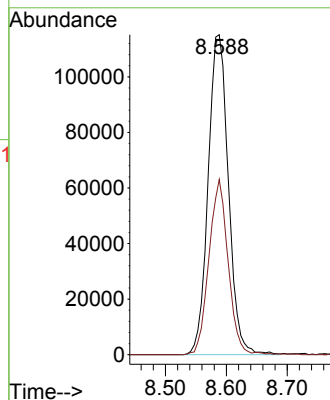
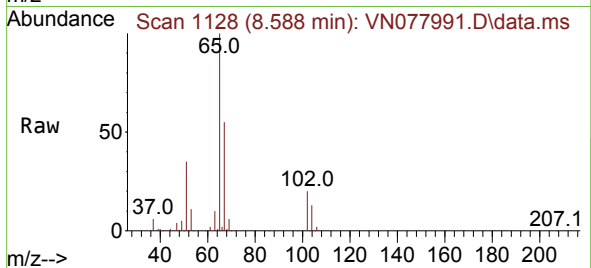
MH-140N-20230526

Tgt Ion: 65 Resp: 266023

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN077991.D

Acq: 31 May 2023 14:32

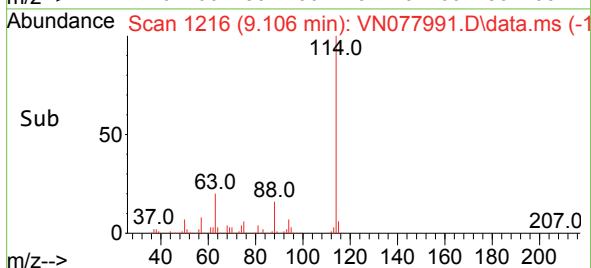
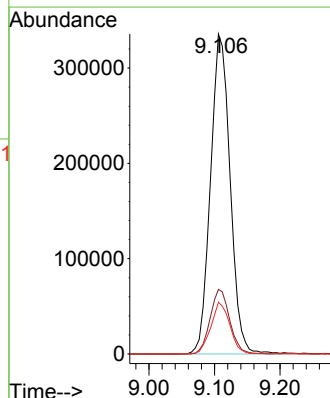
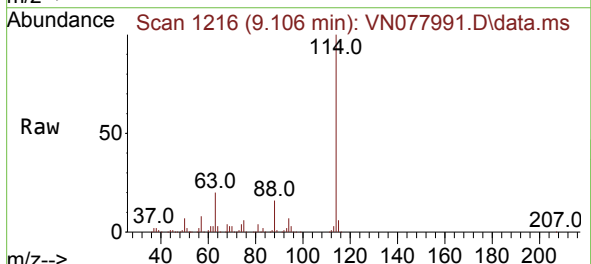
Tgt Ion: 114 Resp: 697375

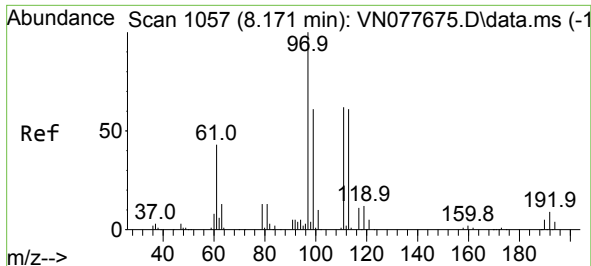
Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

88 16.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.591 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN077991.D

Acq: 31 May 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

MH-140N-20230526

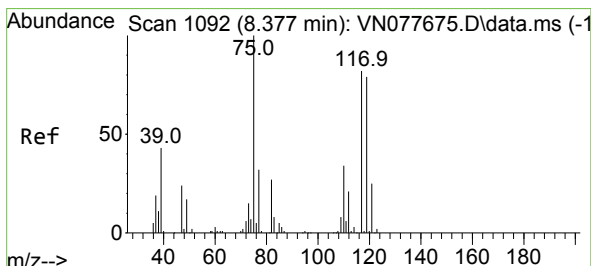
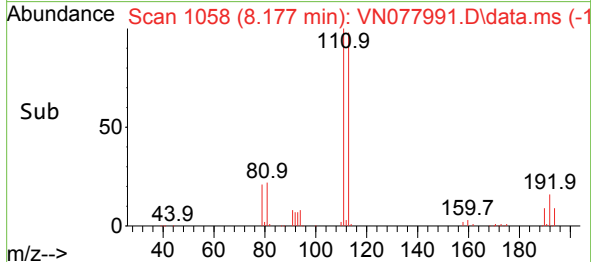
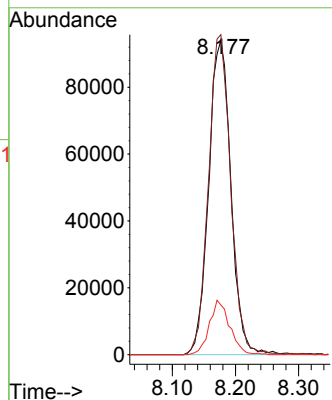
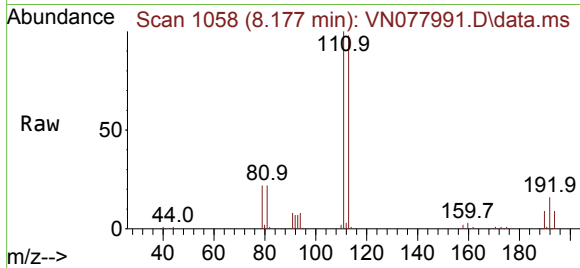
Tgt Ion:113 Resp: 230062

Ion Ratio Lower Upper

113 100

111 101.3 82.6 123.8

192 15.9 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.662 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.142 min

Lab File: VN077991.D

Acq: 31 May 2023 14:32

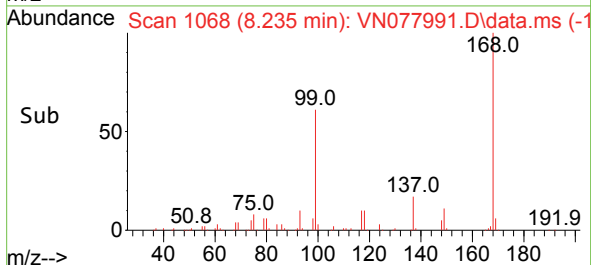
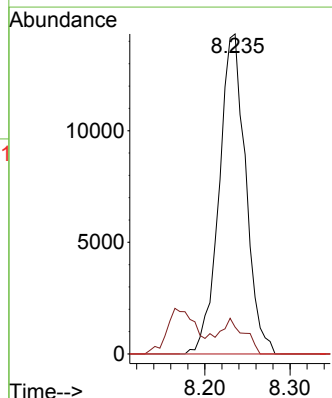
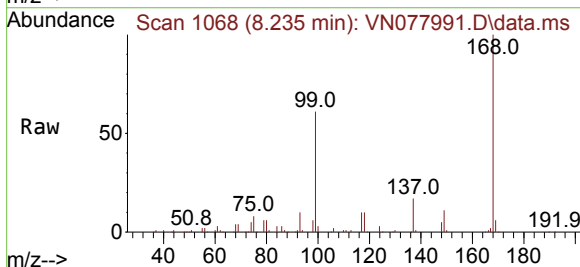
Tgt Ion: 75 Resp: 31006

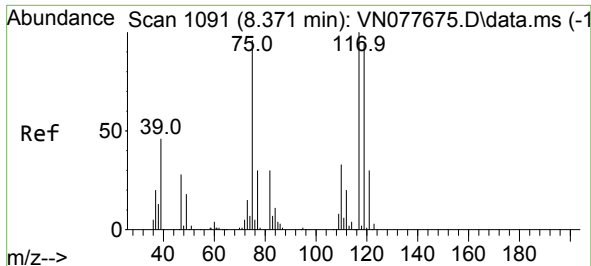
Ion Ratio Lower Upper

75 100

110 9.2 19.1 57.3#

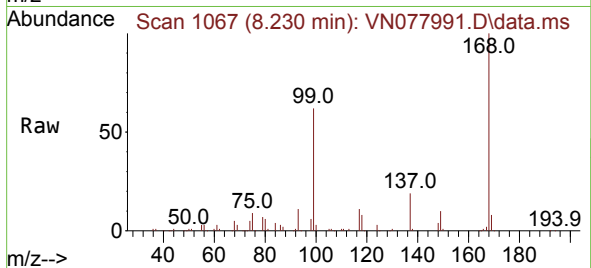
77 0.0 25.0 37.4#



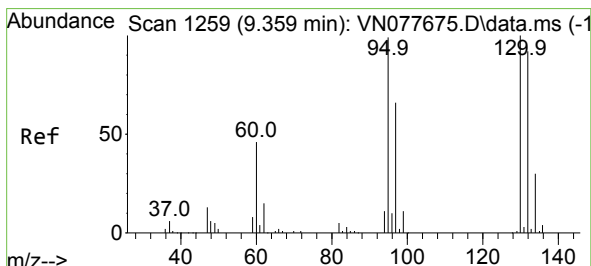
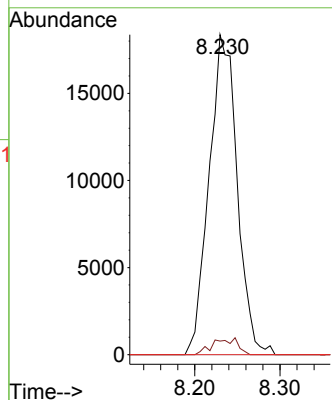
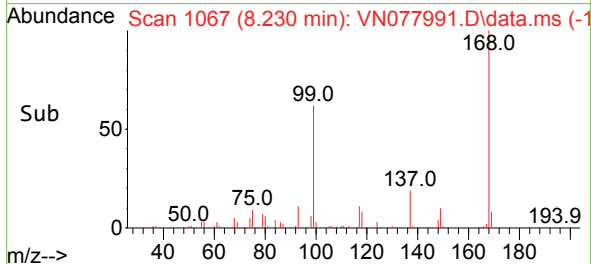


#38
Carbon Tetrachloride
Concen: 6.266 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN077991.D
Acq: 31 May 2023 14:32

Instrument :
MSVOA_N
ClientSampleId :
MH-140N-20230526

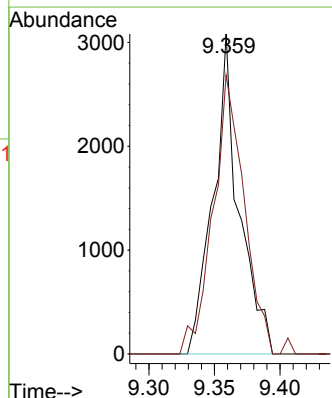
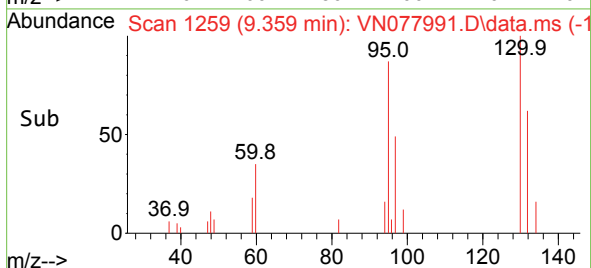
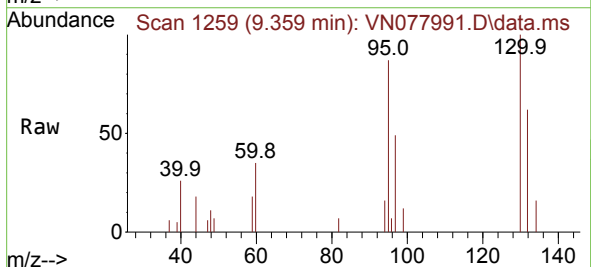


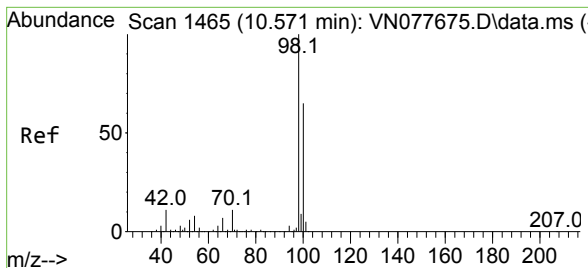
Tgt Ion:117 Resp: 42083
Ion Ratio Lower Upper
117 100
119 4.3 77.3 115.9#
121 0.0 23.3 34.9#



#44
Trichloroethene
Concen: 0.849 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN077991.D
Acq: 31 May 2023 14:32

Tgt Ion:130 Resp: 4221
Ion Ratio Lower Upper
130 100
95 87.2 0.0 204.6





#50

Toluene-d8

Concen: 48.686 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN077991.D

Acq: 31 May 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

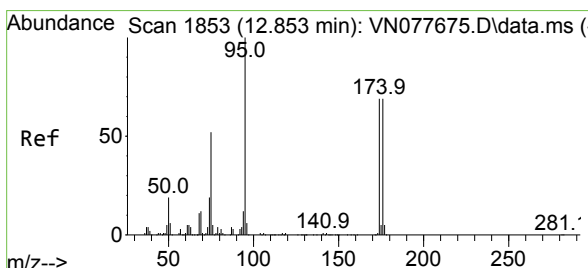
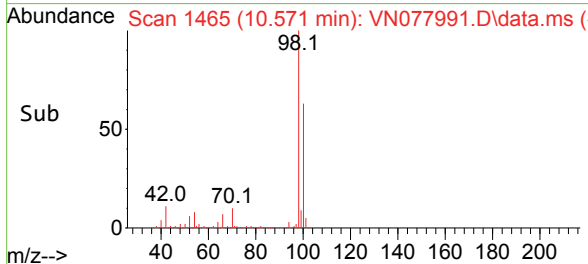
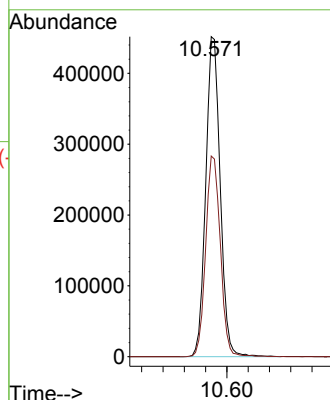
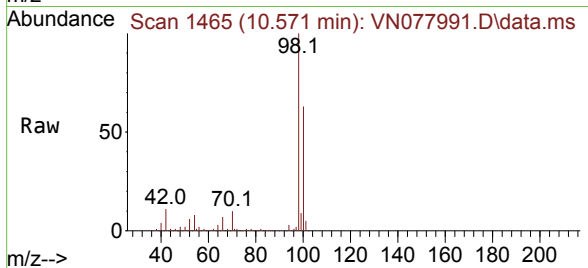
MH-140N-20230526

Tgt Ion: 98 Resp: 852182

Ion Ratio Lower Upper

98 100

100 63.6 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 43.127 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VN077991.D

Acq: 31 May 2023 14:32

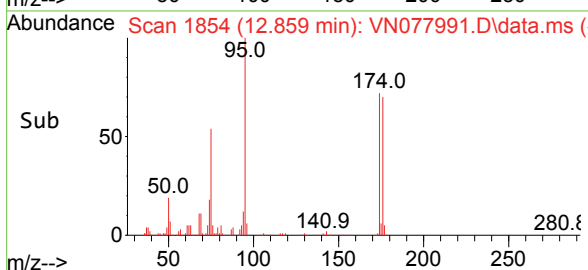
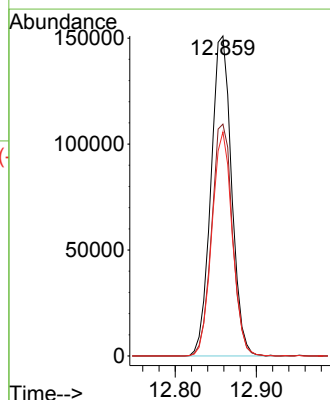
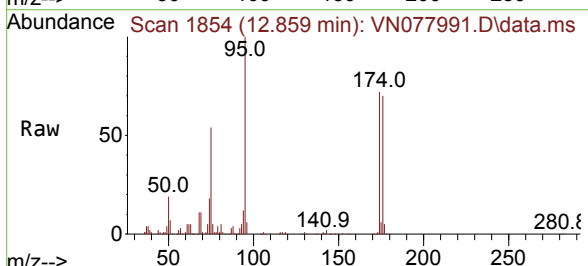
Tgt Ion: 95 Resp: 266607

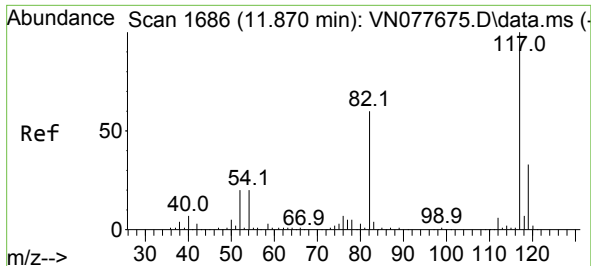
Ion Ratio Lower Upper

95 100

174 73.3 0.0 143.8

176 69.5 0.0 135.8

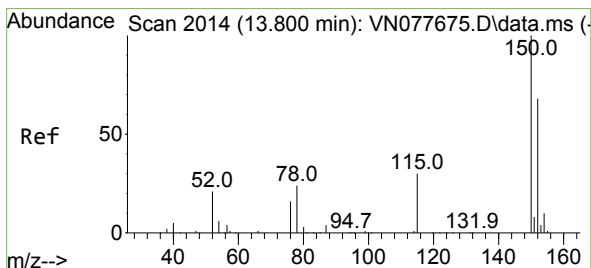
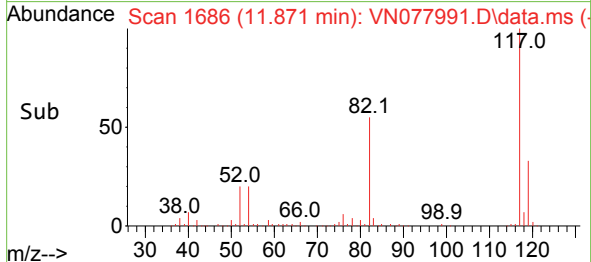
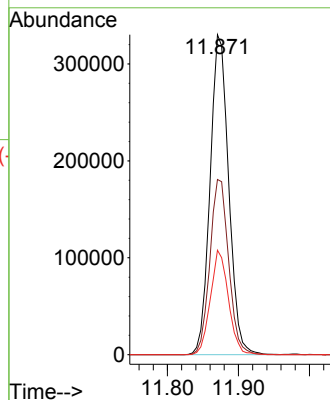
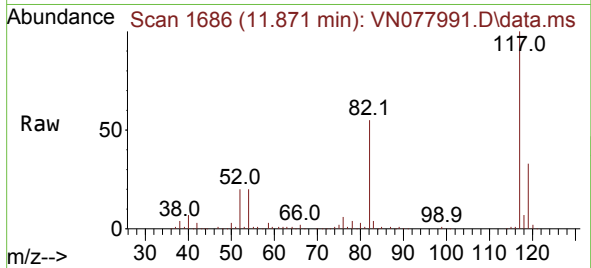




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN077991.D
Acq: 31 May 2023 14:32

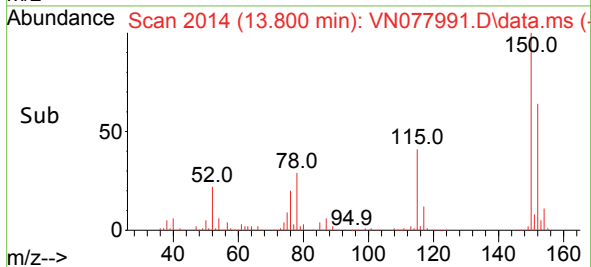
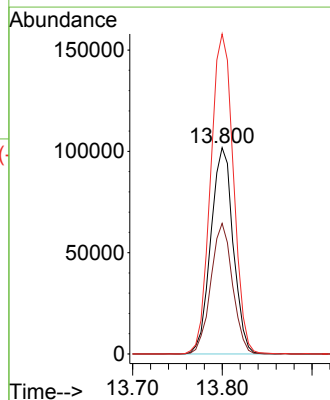
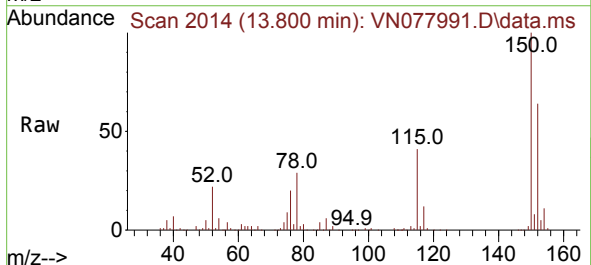
Instrument :
MSVOA_N
ClientSampleId :
MH-140N-20230526

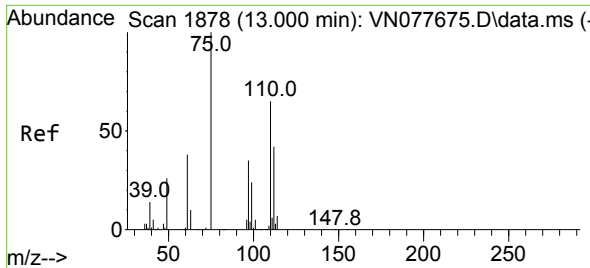
Tgt Ion:117 Resp: 600181
Ion Ratio Lower Upper
117 100
82 54.7 44.0 66.0
119 32.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077991.D
Acq: 31 May 2023 14:32

Tgt Ion:152 Resp: 176045
Ion Ratio Lower Upper
152 100
115 61.4 32.3 96.8
150 158.0 0.0 355.8

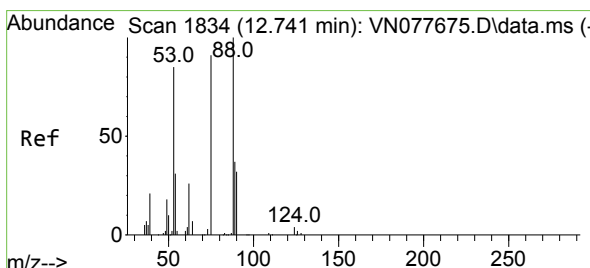
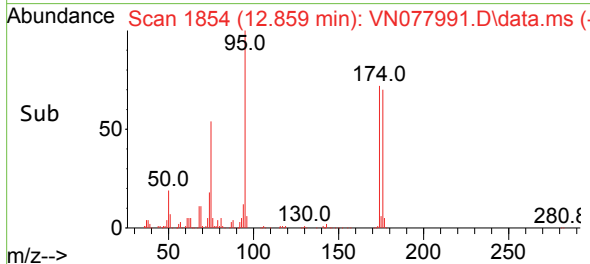
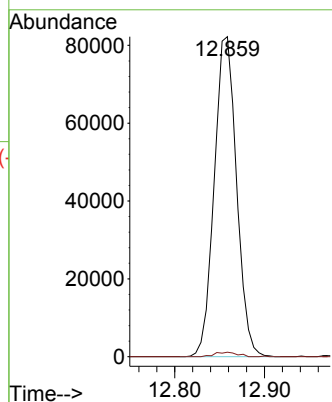
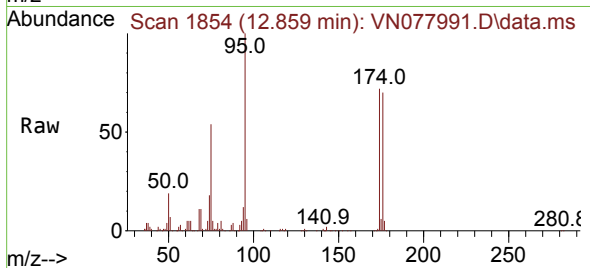




#76
1,2,3-Trichloropropane
Concen: 32.230 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN077991.D
Acq: 31 May 2023 14:32

Instrument :
MSVOA_N
ClientSampleId :
MH-140N-20230526

Tgt Ion: 75 Resp: 142094
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.023 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN077991.D
Acq: 31 May 2023 14:32

Tgt Ion: 75 Resp: 142094
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.2 38.8 58.2#

