

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082094.D
 Acq On : 13 May 2024 14:22
 Operator : JC\MD
 Sample : P2452-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-061-IDWGW-20240509

Quant Time: May 14 03:32:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

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

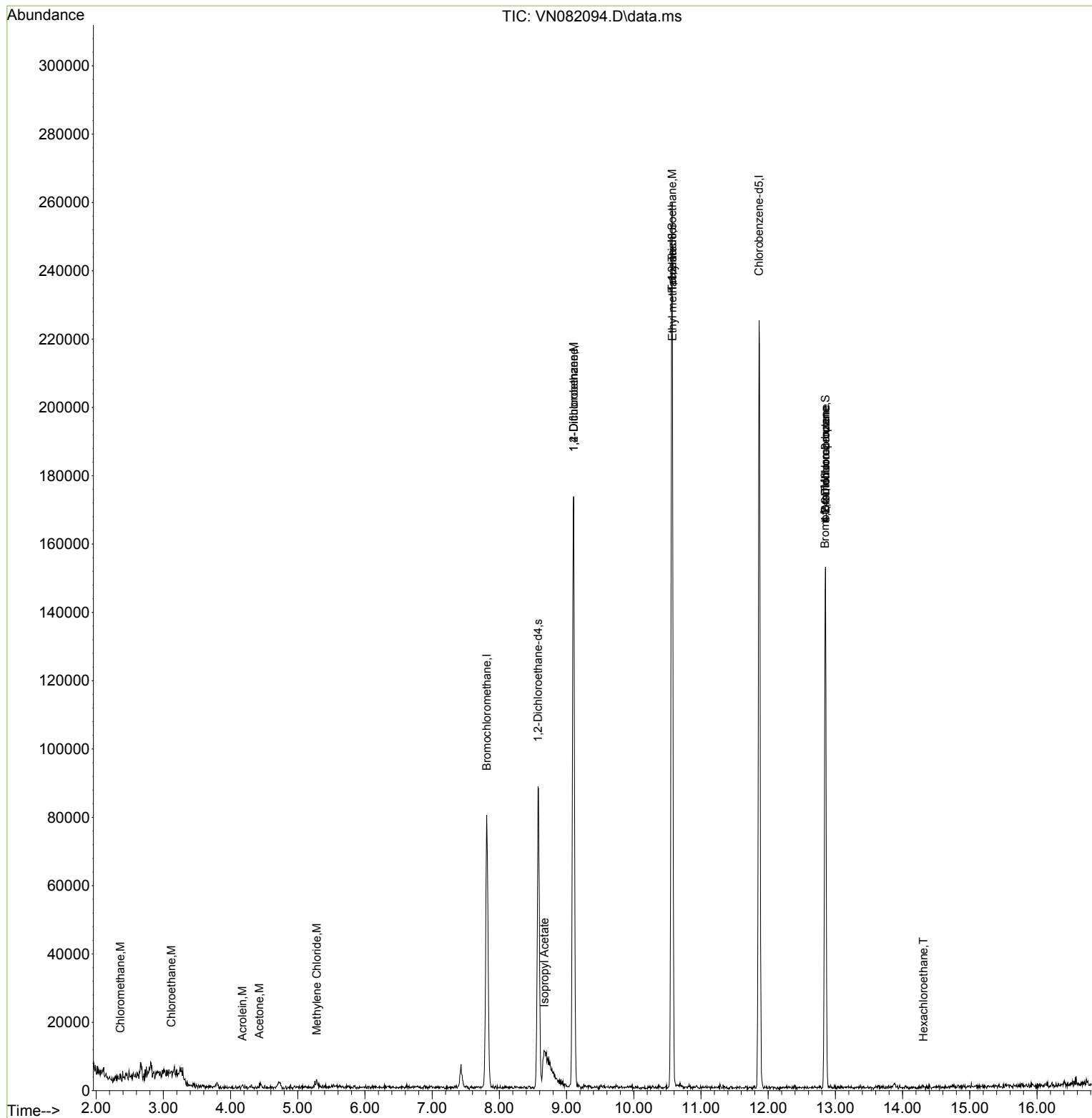
Internal Standards						
1) Bromochloromethane	7.812	128	22035	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	138168	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	117652	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	65743	35.635	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 118.800%#			
60) 4-Bromofluorobenzene	12.853	95	52839	26.986	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 89.967%			
63) Toluene-d8	10.571	98	173163	30.992	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.300%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	599	0.413	ug/l #	77
6) Chloroethane	3.118	64	158	0.204	ug/l #	41
13) Acrolein	4.177	56	358	1.000	ug/l #	36
15) Acetone	4.430	58	166	0.964	ug/l #	1
18) Methylene Chloride	5.283	84	851	0.556	ug/l #	86
36) 1,2-Dichloroethane	9.106	62	5992	2.720	ug/l #	72
44) Isopropyl Acetate	8.671	43	3742	0.912	ug/l #	43
50) 1,1,2-Trichloroethane	10.571	97	5834	3.975	ug/l #	1
51) Ethyl methacrylate	10.576	69	828	0.299	ug/l #	65
56) Bromoform	12.847	173	407	0.419	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	30374	16.701	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	30374	37.522	ug/l #	12
86) Hexachloroethane	14.312	117	224	0.215	ug/l #	11

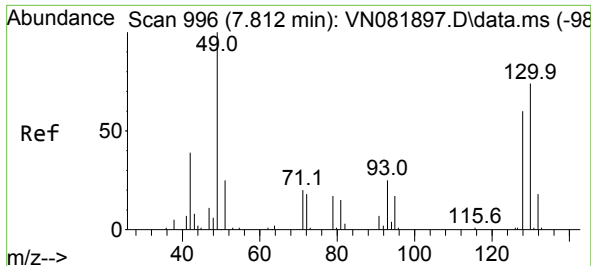
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TT-061-IDWGW-20240509

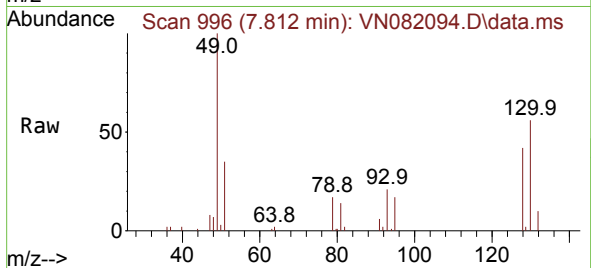
Quant Time: May 14 03:32:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 27 04:37:27 2024
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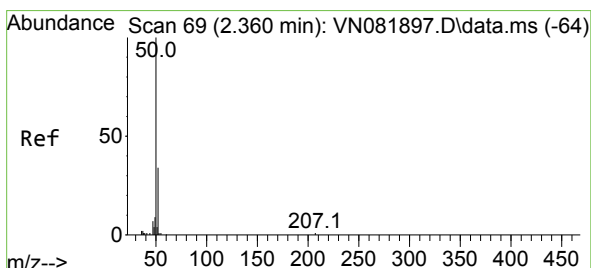
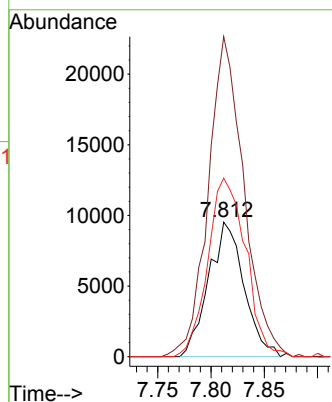
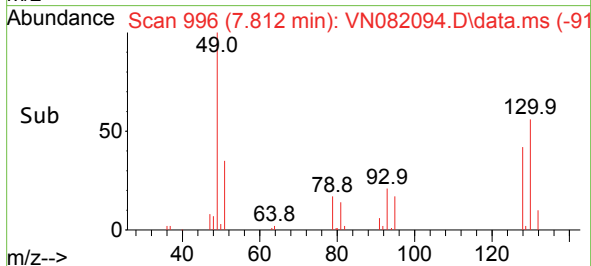


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN082094.D
Acq: 13 May 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
TT-061-IDWGW-20240509

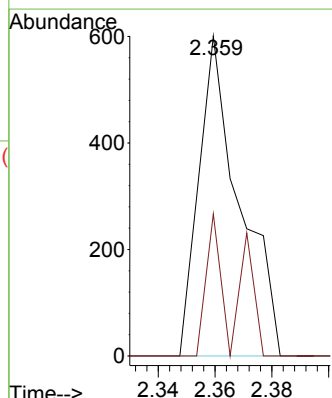
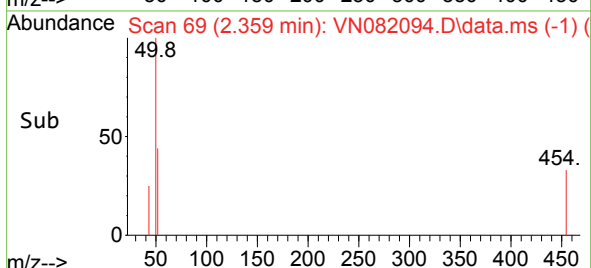
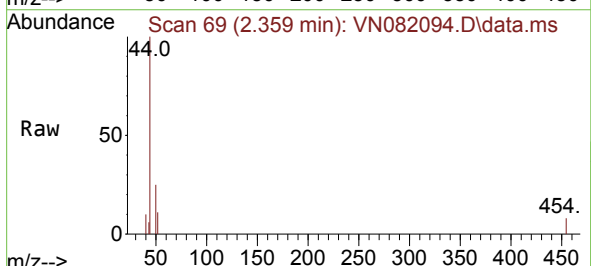


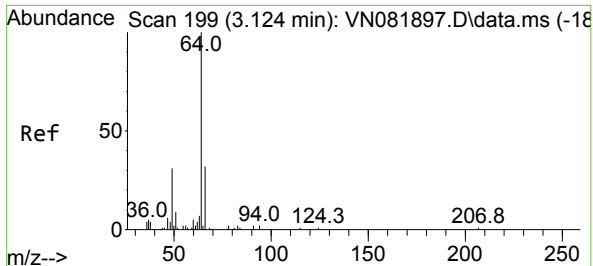
Tgt Ion:128 Resp: 22035
Ion Ratio Lower Upper
128 100
49 239.0 0.0 403.7
130 142.2 0.0 323.3



#3
Chloromethane
Concen: 0.413 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN082094.D
Acq: 13 May 2024 14:22

Tgt Ion: 50 Resp: 599
Ion Ratio Lower Upper
50 100
52 44.4 25.4 38.0#

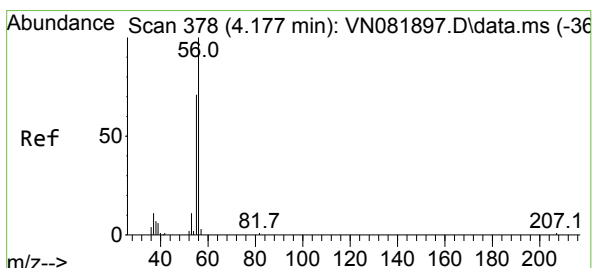
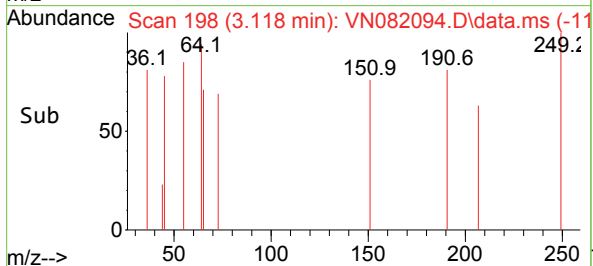
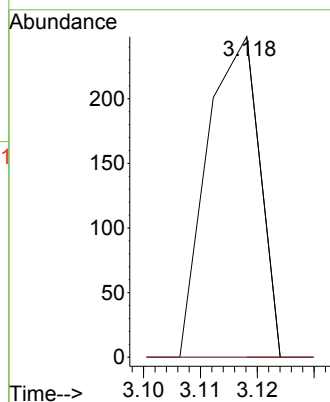
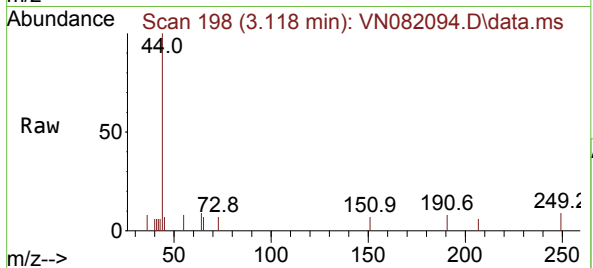




#6
Chloroethane
Concen: 0.204 ug/l
RT: 3.118 min Scan# 199
Delta R.T. -0.006 min
Lab File: VN082094.D
Acq: 13 May 2024 14:22

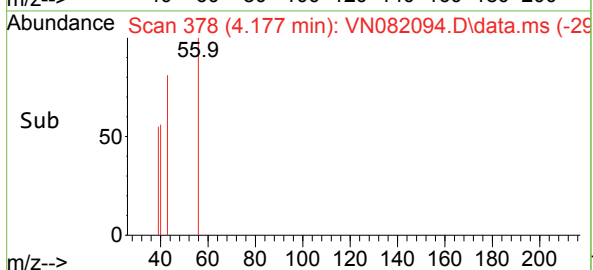
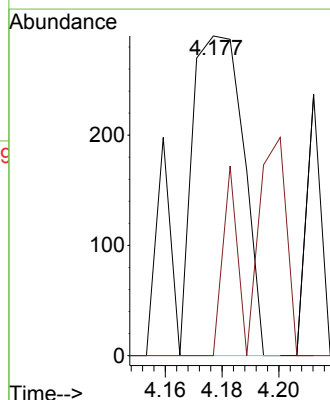
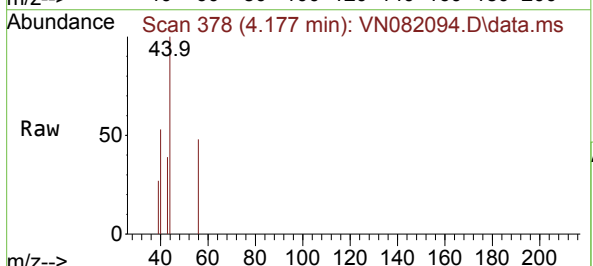
Instrument :
MSVOA_N
ClientSampleId :
TT-061-IDWGW-20240509

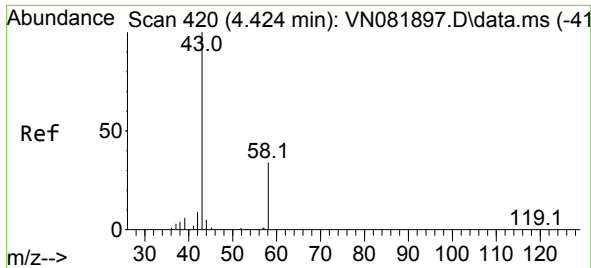
Tgt Ion: 64 Resp: 158
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#



#13
Acrolein
Concen: 1.000 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN082094.D
Acq: 13 May 2024 14:22

Tgt Ion: 56 Resp: 358
Ion Ratio Lower Upper
56 100
55 17.0 55.5 83.3#





#15

Acetone

Concen: 0.964 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN082094.D

Acq: 13 May 2024 14:22

Instrument :

MSVOA_N

ClientSampleId :

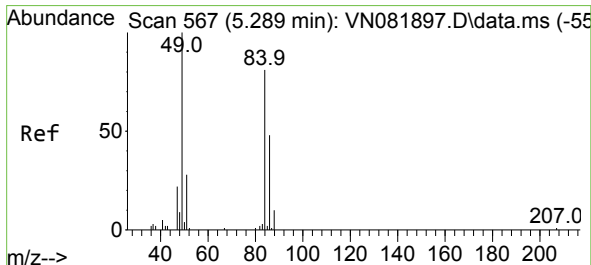
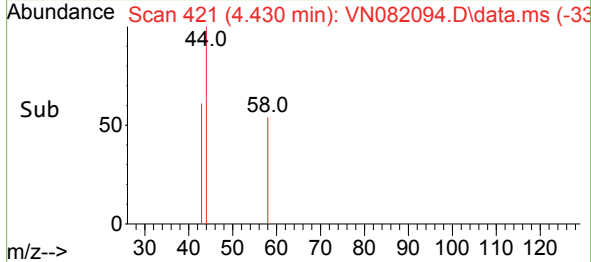
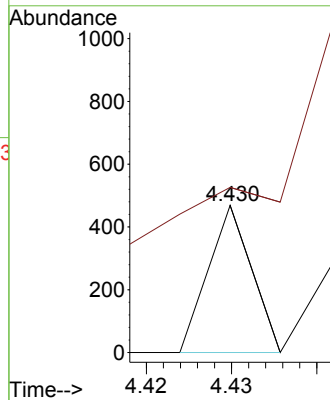
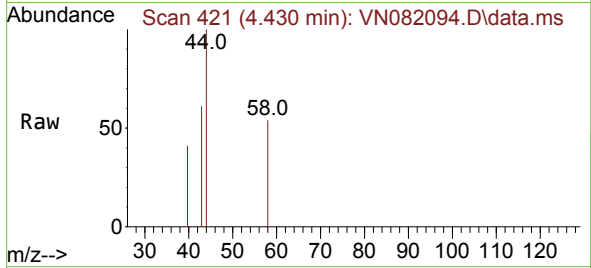
TT-061-IDWGW-20240509

Tgt Ion: 58 Resp: 166

Ion Ratio Lower Upper

58 100

43 18.1 223.1 334.7#



#18

Methylene Chloride

Concen: 0.556 ug/l

RT: 5.283 min Scan# 566

Delta R.T. -0.006 min

Lab File: VN082094.D

Acq: 13 May 2024 14:22

Tgt Ion: 84 Resp: 851

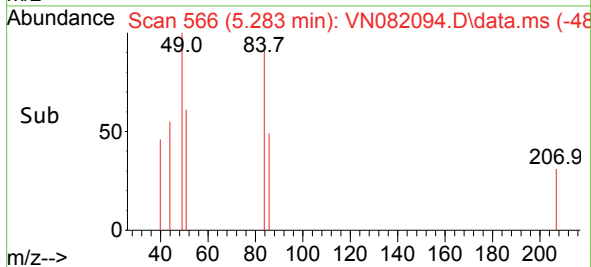
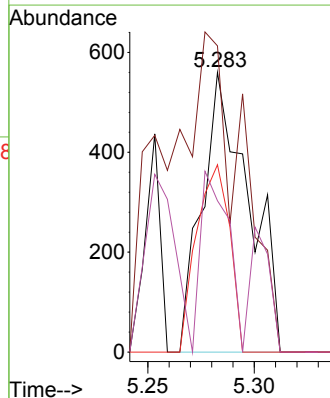
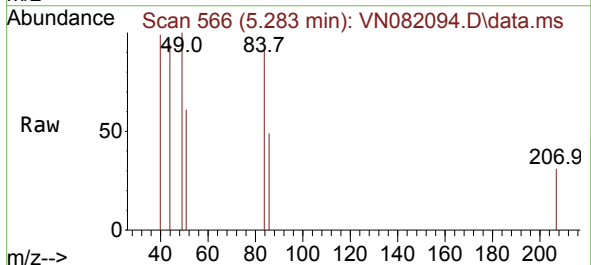
Ion Ratio Lower Upper

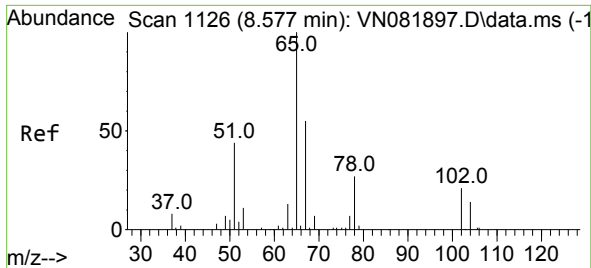
84 100

49 109.5 86.0 129.0

51 67.0 30.0 45.0#

86 54.1 53.0 79.4





#27

1,2-Dichloroethane-d4

Concen: 35.635 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN082094.D

Acq: 13 May 2024 14:22

Instrument :

MSVOA_N

ClientSampleId :

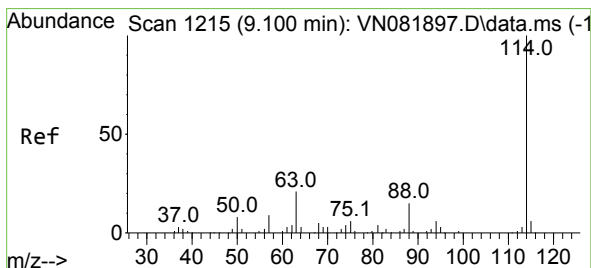
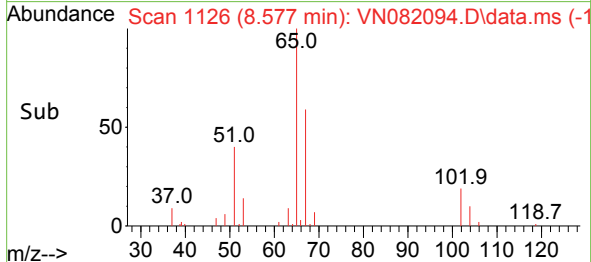
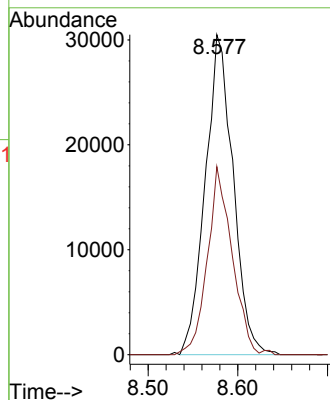
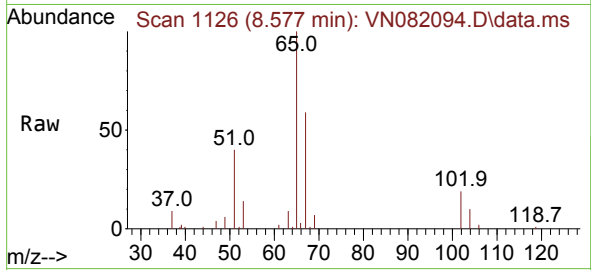
TT-061-IDWGW-20240509

Tgt Ion: 65 Resp: 65743

Ion Ratio Lower Upper

65 100

67 52.1 43.2 64.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082094.D

Acq: 13 May 2024 14:22

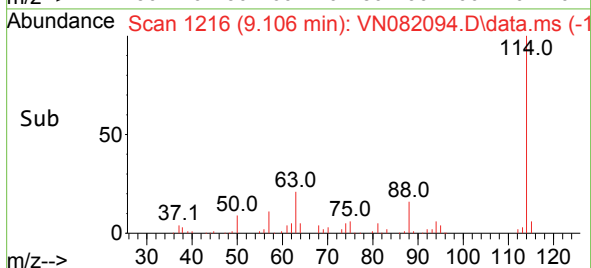
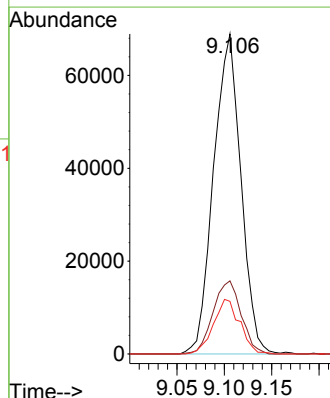
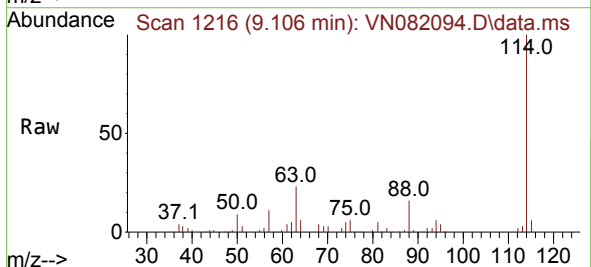
Tgt Ion: 114 Resp: 138168

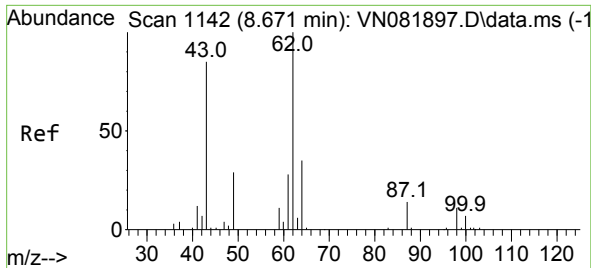
Ion Ratio Lower Upper

114 100

63 23.5 15.9 23.9

88 16.4 12.7 19.1





#36

1,2-Dichloroethane

Concen: 2.720 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.435 min

Lab File: VN082094.D

Acq: 13 May 2024 14:22

Instrument :

MSVOA_N

ClientSampleId :

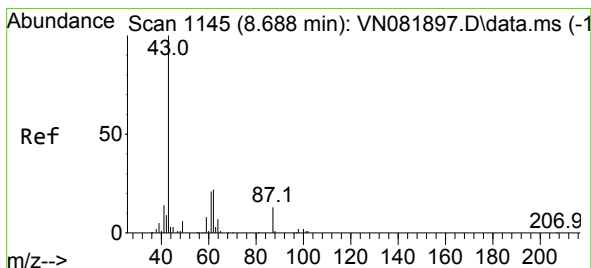
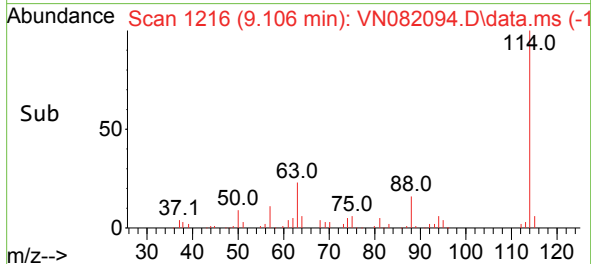
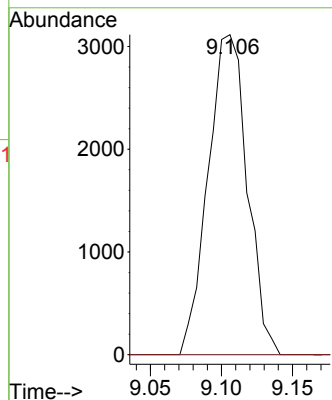
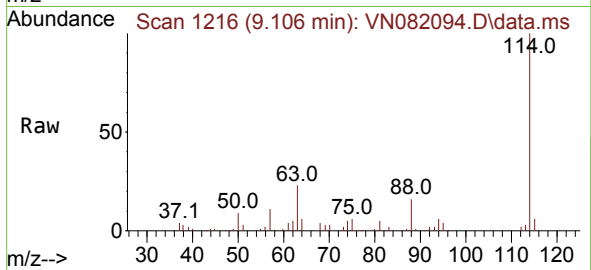
TT-061-IDWGW-20240509

Tgt Ion: 62 Resp: 5992

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#44

Isopropyl Acetate

Concen: 0.912 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.018 min

Lab File: VN082094.D

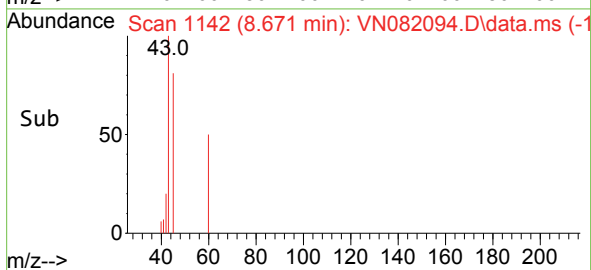
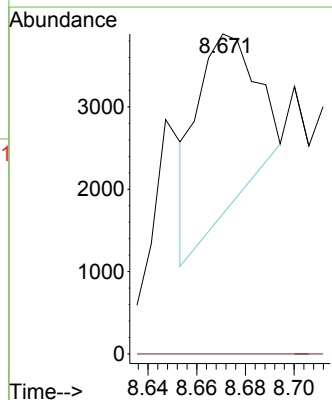
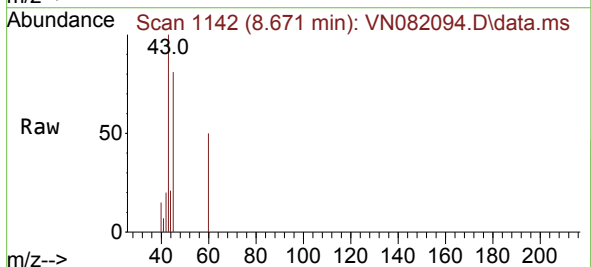
Acq: 13 May 2024 14:22

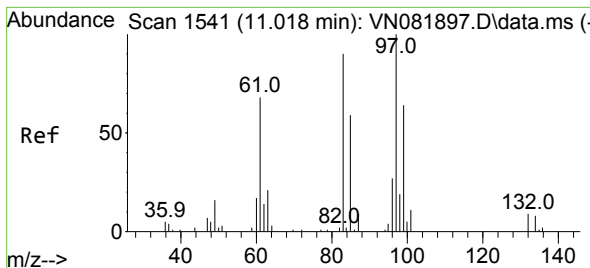
Tgt Ion: 43 Resp: 3742

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.4#





#50

1,1,2-Trichloroethane

Concen: 3.975 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.447 min

Lab File: VN082094.D

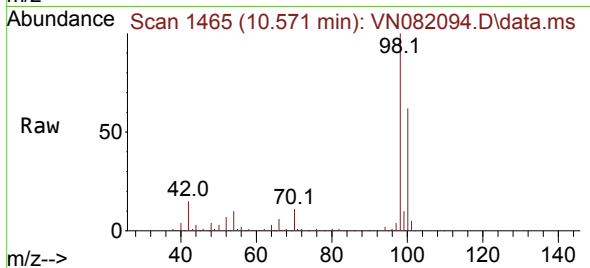
Acq: 13 May 2024 14:22

Instrument :

MSVOA_N

ClientSampleId :

TT-061-IDWGW-20240509



Tgt Ion: 97 Resp: 5834

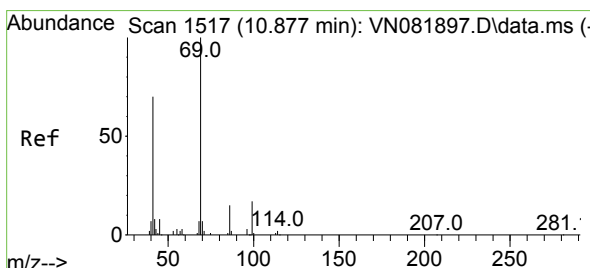
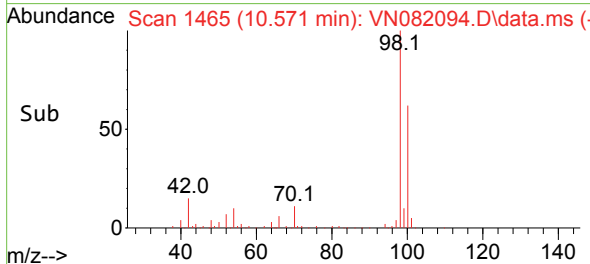
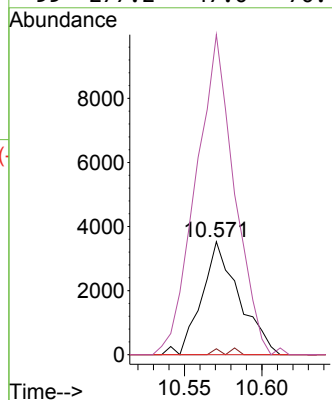
Ion Ratio Lower Upper

97 100

83 5.2 68.1 102.1#

85 0.0 41.8 62.6#

99 277.2 47.0 70.4#



#51

Ethyl methacrylate

Concen: 0.299 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. -0.300 min

Lab File: VN082094.D

Acq: 13 May 2024 14:22

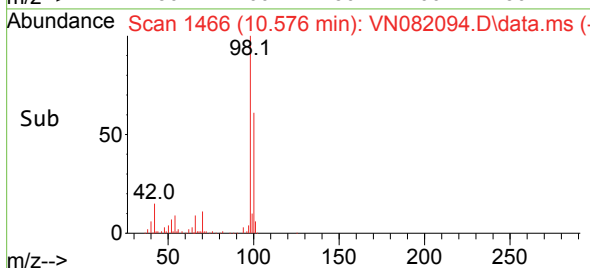
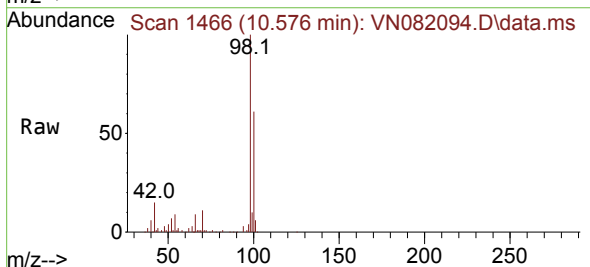
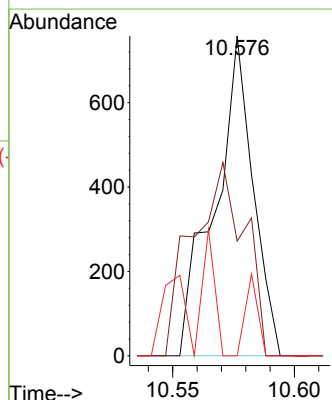
Tgt Ion: 69 Resp: 828

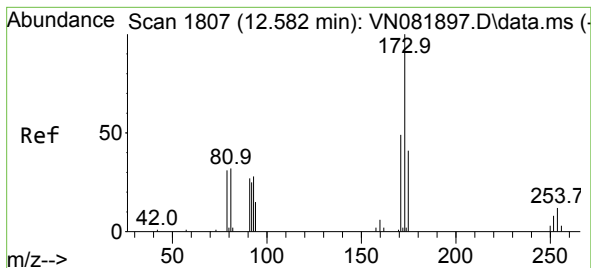
Ion Ratio Lower Upper

69 100

41 35.9 25.5 76.5

39 0.0 16.0 47.9#





#56

Bromoform

Concen: 0.419 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

Lab File: VN082094.D

Acq: 13 May 2024 14:22

Instrument :

MSVOA_N

ClientSampleId :

TT-061-IDWGW-20240509

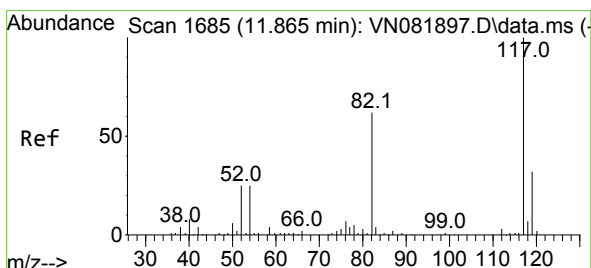
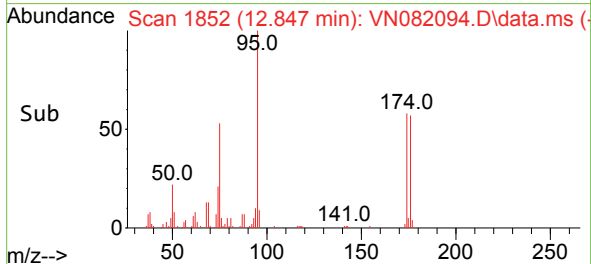
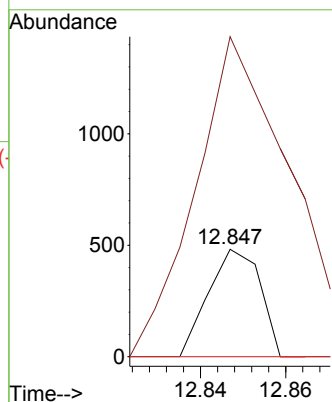
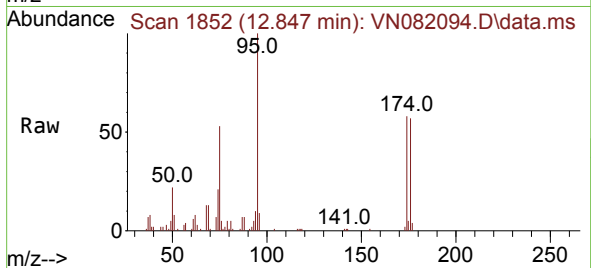
Tgt Ion:173 Resp: 407

Ion Ratio Lower Upper

173 100

175 536.4 40.0 60.0#

254 0.0 8.3 12.5#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN082094.D

Acq: 13 May 2024 14:22

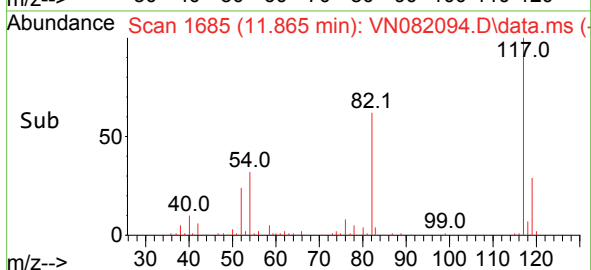
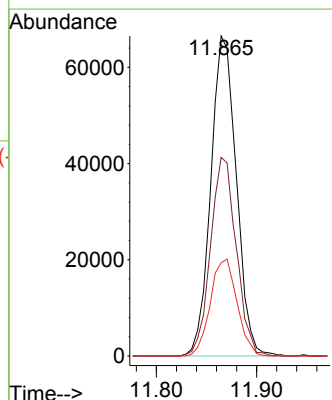
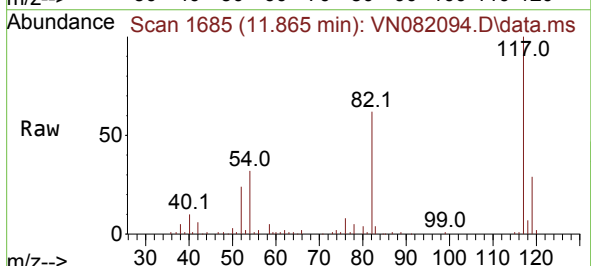
Tgt Ion:117 Resp: 117652

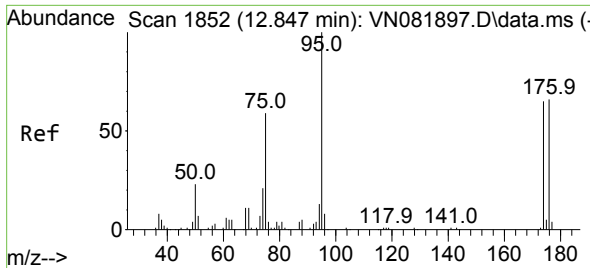
Ion Ratio Lower Upper

117 100

82 62.5 46.6 69.8

119 31.7 25.4 38.2

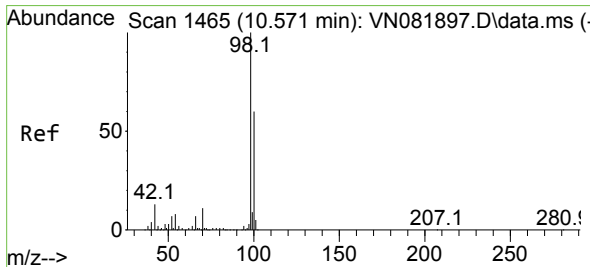
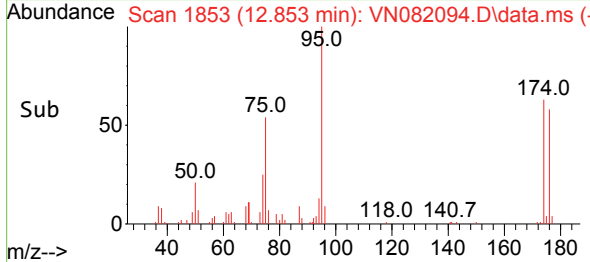
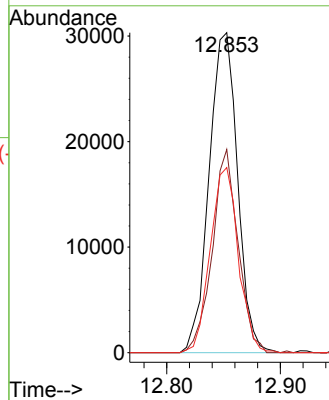
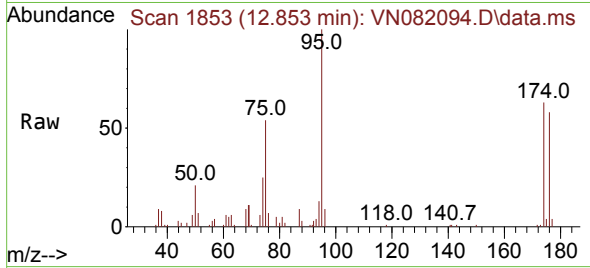




#60
4-Bromofluorobenzene
Concen: 26.986 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082094.D
Acq: 13 May 2024 14:22

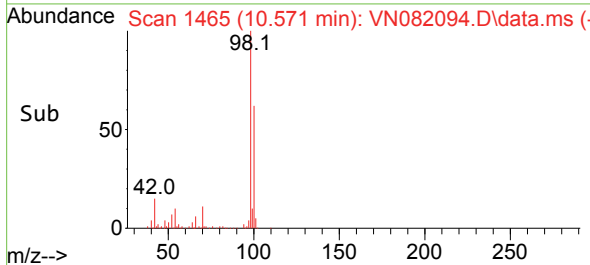
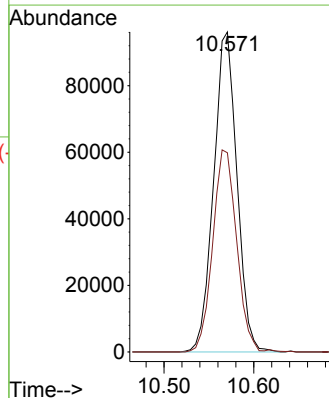
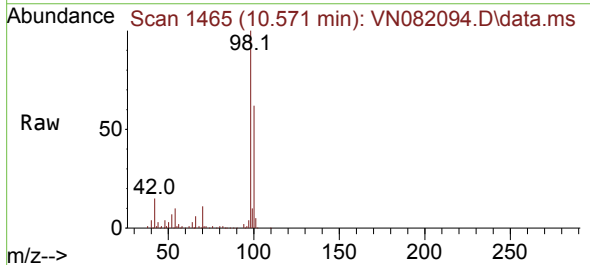
Instrument :
MSVOA_N
ClientSampleId :
TT-061-IDWGW-20240509

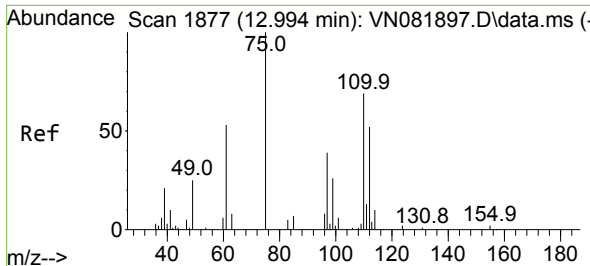
Tgt Ion: 95 Resp: 52839
Ion Ratio Lower Upper
95 100
174 57.6 60.5 90.7#
176 57.0 57.8 86.6#



#63
Toluene-d8
Concen: 30.992 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082094.D
Acq: 13 May 2024 14:22

Tgt Ion: 98 Resp: 173163
Ion Ratio Lower Upper
98 100
100 64.6 52.7 79.1

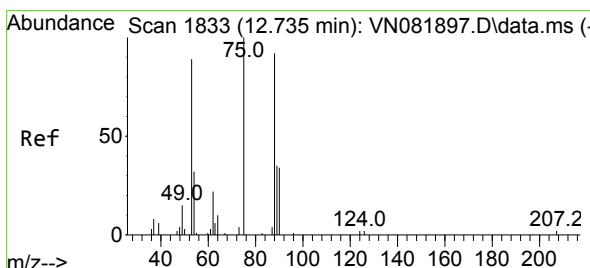
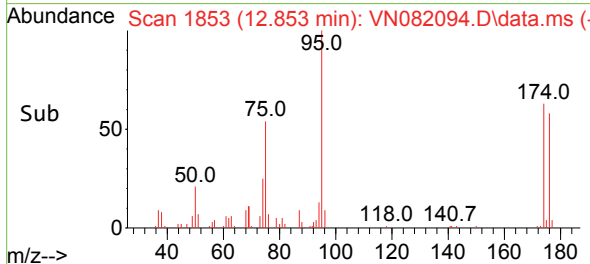
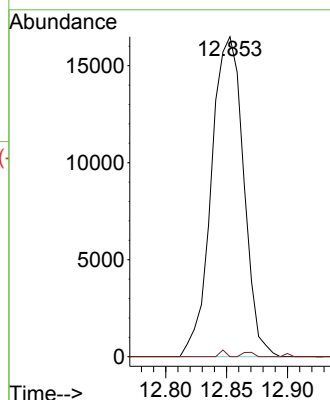
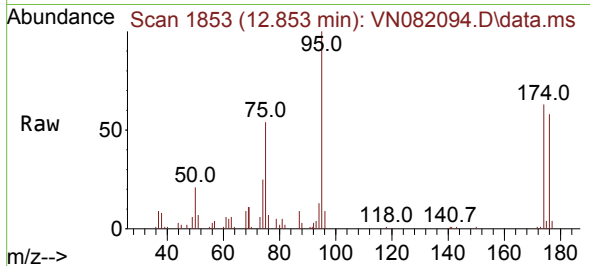




#72
1,2,3-Trichloropropane
Concen: 16.701 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082094.D
Acq: 13 May 2024 14:22

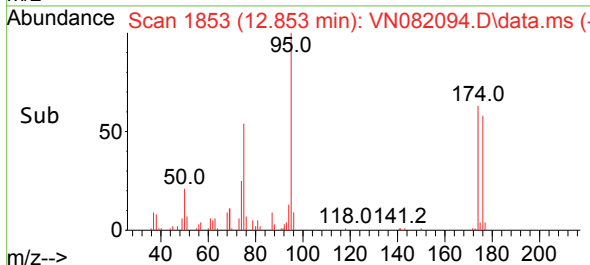
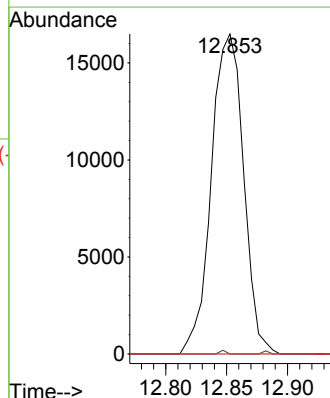
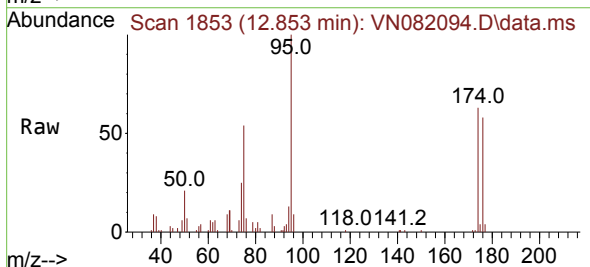
Instrument :
MSVOA_N
ClientSampleId :
TT-061-IDWGW-20240509

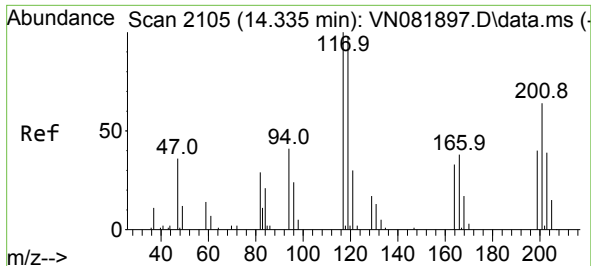
Tgt Ion: 75 Resp: 30374
Ion Ratio Lower Upper
75 100
77 0.5 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 37.522 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.117 min
Lab File: VN082094.D
Acq: 13 May 2024 14:22

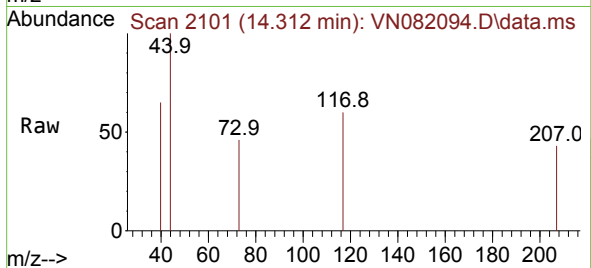
Tgt Ion: 75 Resp: 30374
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#





#86
Hexachloroethane
Concen: 0.215 ug/l
RT: 14.312 min Scan# 21
Delta R.T. -0.024 min
Lab File: VN082094.D
Acq: 13 May 2024 14:22

Instrument :
MSVOA_N
ClientSampleId :
TT-061-IDWGW-20240509



Tgt Ion:117 Resp: 224
Ion Ratio Lower Upper
117 100
201 0.0 38.0 114.0#

