

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
 Data File : VN086773.D
 Acq On : 23 May 2025 13:05
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 24 02:32:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

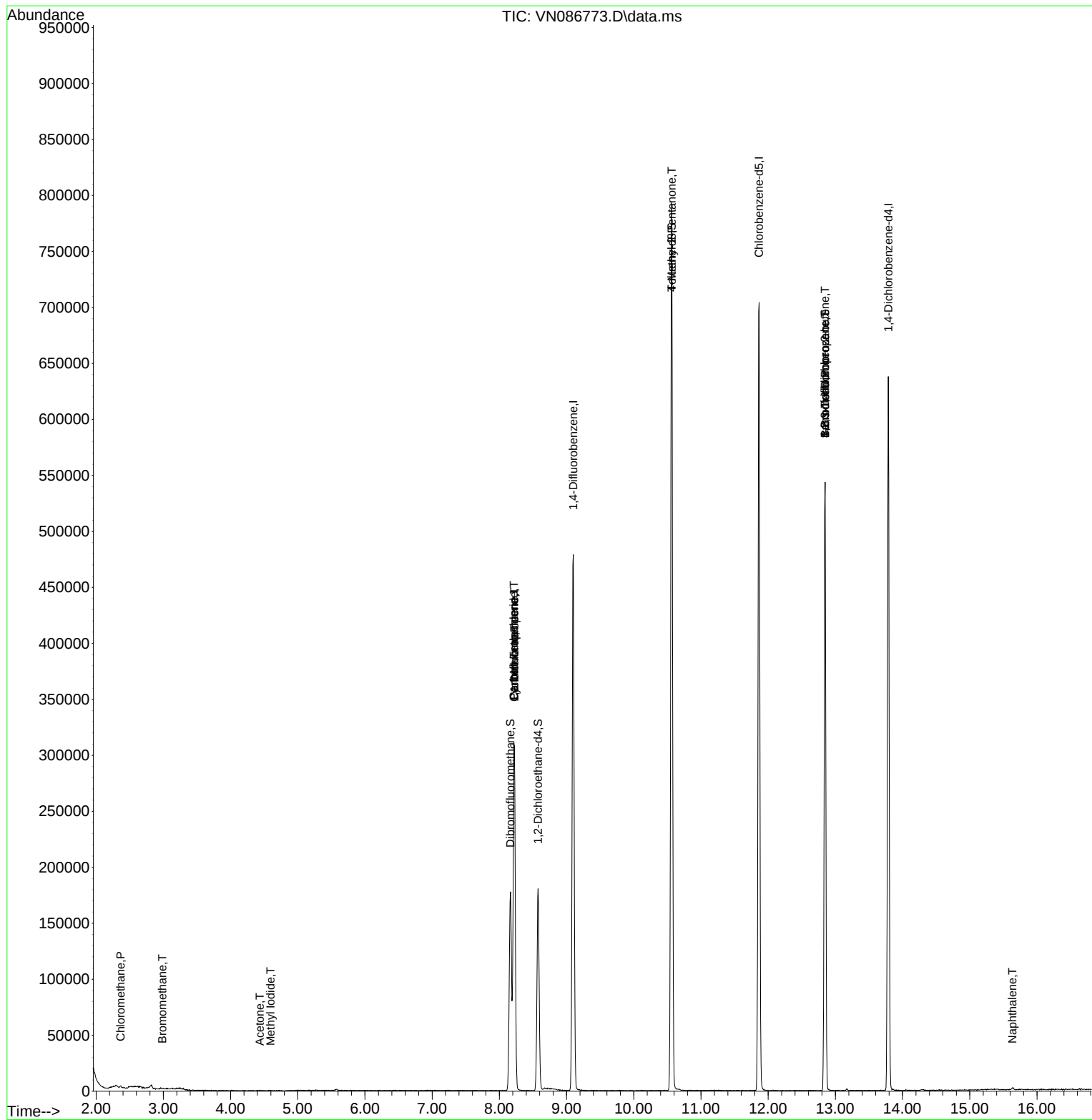
Internal Standards						
1) Pentafluorobenzene	8.218	168	246101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	453110	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	443761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	183629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	147766	43.452	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.900%		
35) Dibromofluoromethane	8.165	113	135680	50.280	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.560%		
50) Toluene-d8	10.565	98	580793	51.937	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.880%		
62) 4-Bromofluorobenzene	12.847	95	208371	52.772	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	105.540%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1094	0.272	ug/l	96
5) Bromomethane	2.983	94	553	0.266	ug/l	99
10) Methyl Iodide	4.595	142	796	0.248	ug/l #	43
16) Acetone	4.436	43	368	0.289	ug/l #	42
31) Cyclohexane	8.224	56	4155	0.814	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	18302	4.598	ug/l #	49
38) Carbon Tetrachloride	8.218	117	23329	5.949	ug/l #	16
51) 4-Methyl-2-Pentanone	10.565	43	2098	0.516	ug/l #	1
71) Bromoform	12.847	173	916	0.410	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	97061	23.372	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	97061	58.982	ug/l #	15
95) Naphthalene	15.635	128	3159	0.367	ug/l #	74

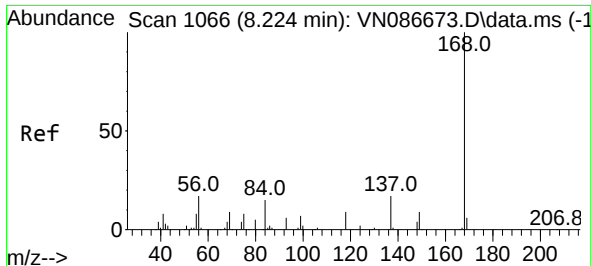
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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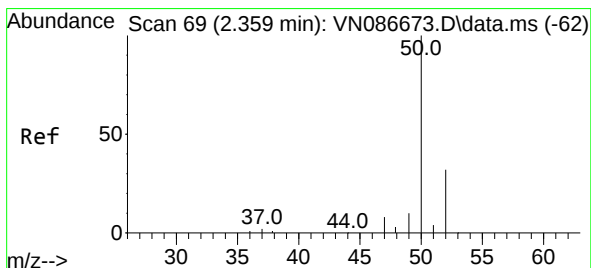
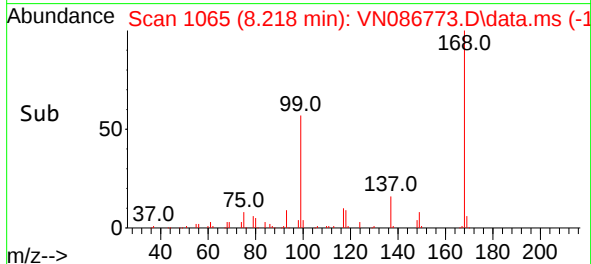
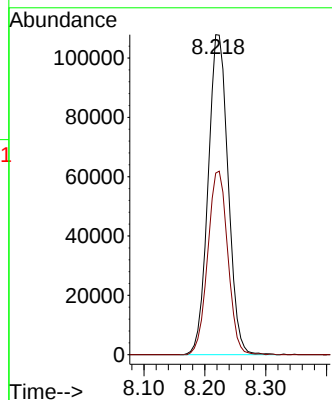
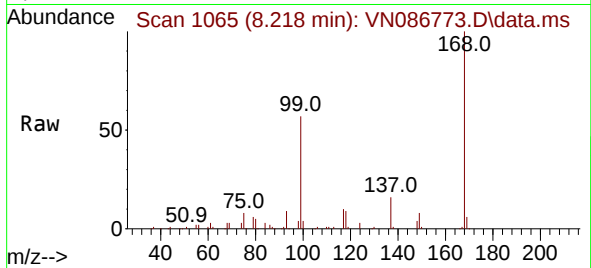




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086773.D
Acq: 23 May 2025 13:05

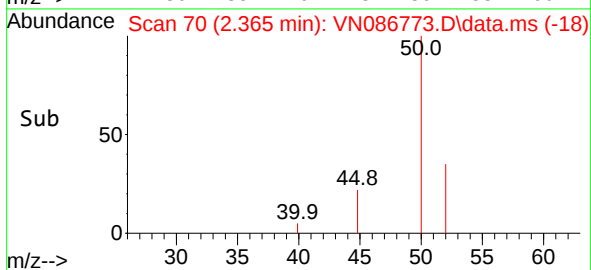
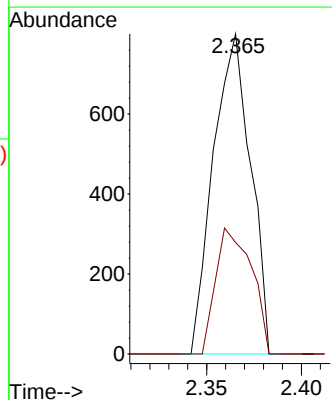
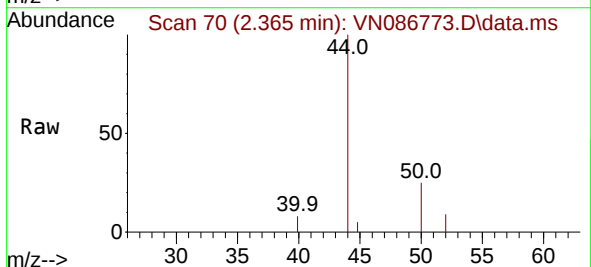
Instrument :
MSVOA_N
ClientSampleId :
IBLK

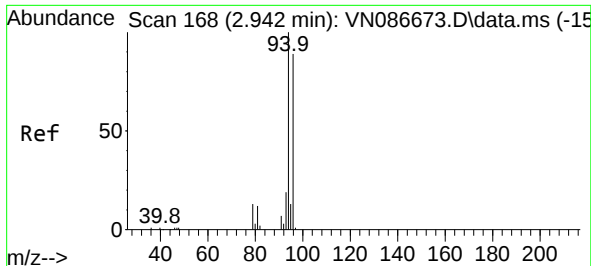
Tgt Ion:168 Resp: 246101
Ion Ratio Lower Upper
168 100
99 56.8 47.0 70.4



#3
Chloromethane
Concen: 0.272 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086773.D
Acq: 23 May 2025 13:05

Tgt Ion: 50 Resp: 1094
Ion Ratio Lower Upper
50 100
52 34.9 25.9 38.9

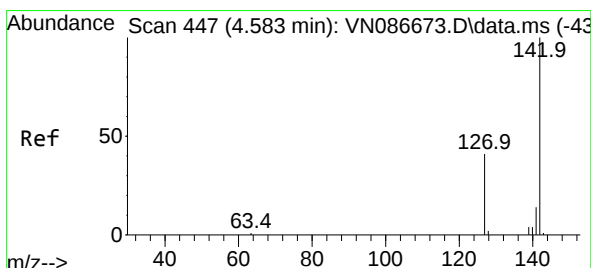
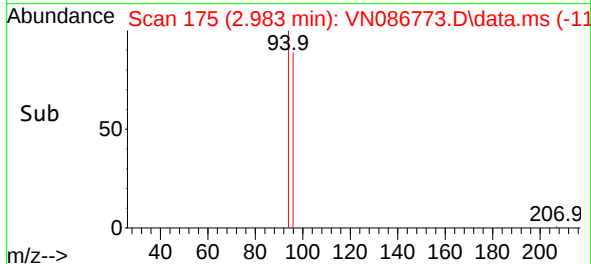
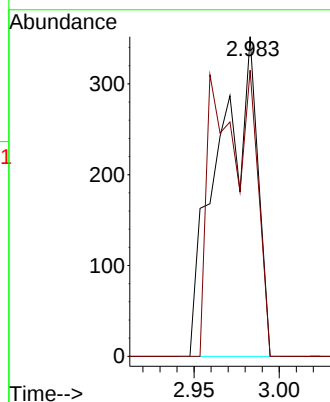
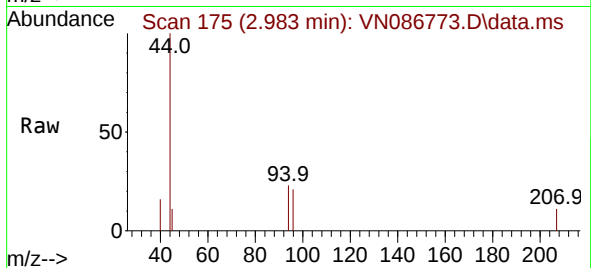




#5
Bromomethane
Concen: 0.266 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN086773.D
Acq: 23 May 2025 13:05

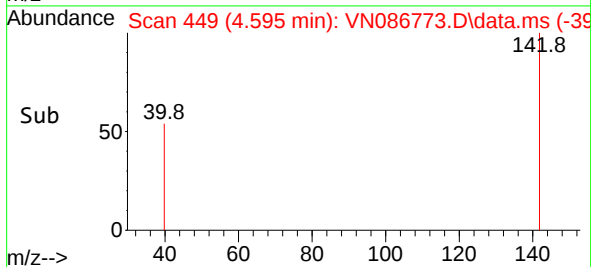
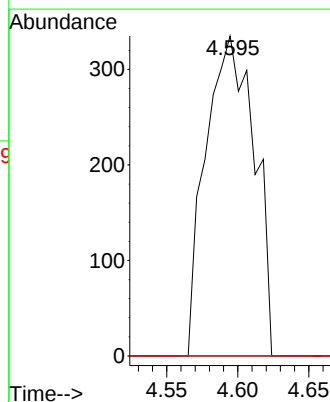
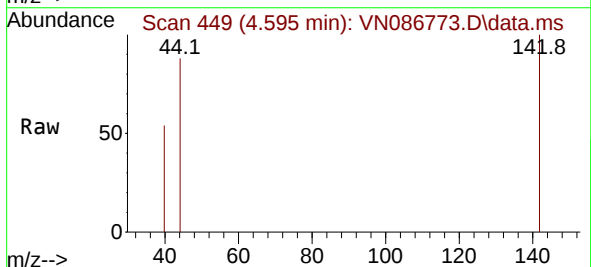
Instrument :
MSVOA_N
ClientSampleId :
IBLK

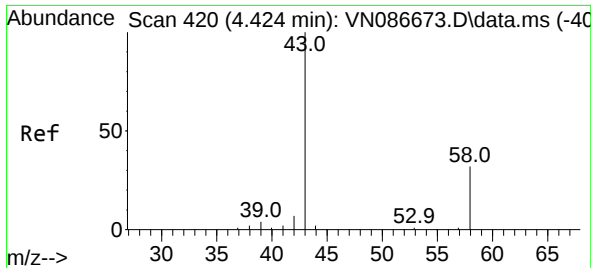
Tgt Ion: 94 Resp: 553
Ion Ratio Lower Upper
94 100
96 89.5 71.2 106.8



#10
Methyl Iodide
Concen: 0.248 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.012 min
Lab File: VN086773.D
Acq: 23 May 2025 13:05

Tgt Ion: 142 Resp: 796
Ion Ratio Lower Upper
142 100
127 0.0 32.4 48.6#
141 0.0 11.4 17.2#

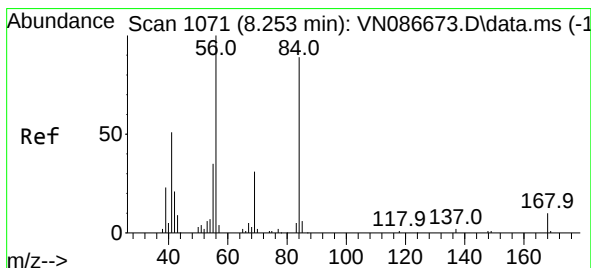
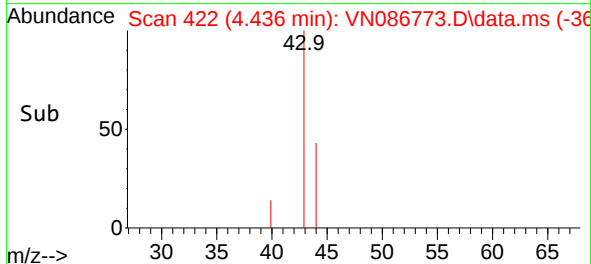
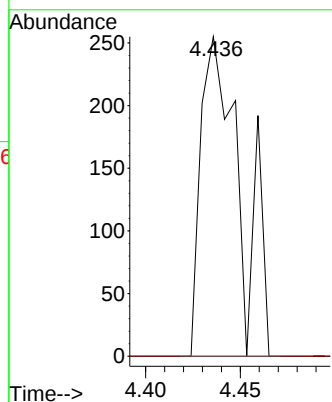
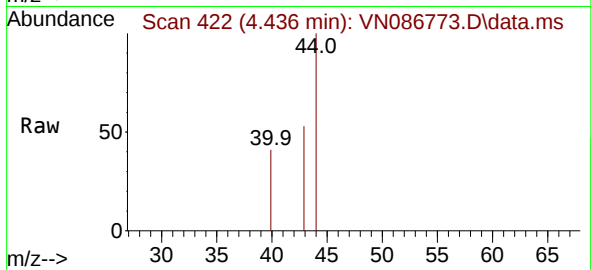




#16
Acetone
Concen: 0.289 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN086773.D
Acq: 23 May 2025 13:05

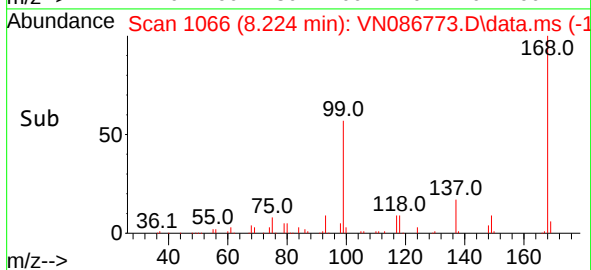
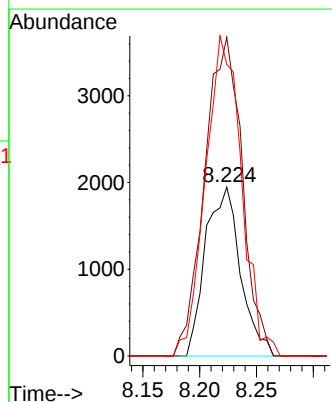
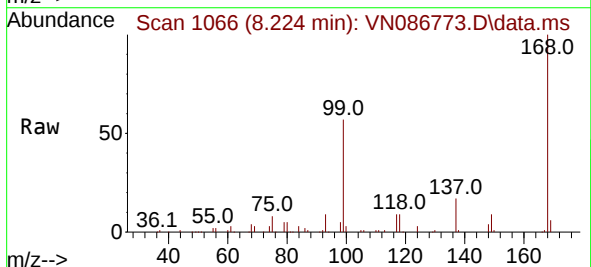
Instrument :
MSVOA_N
ClientSampleId :
IBLK

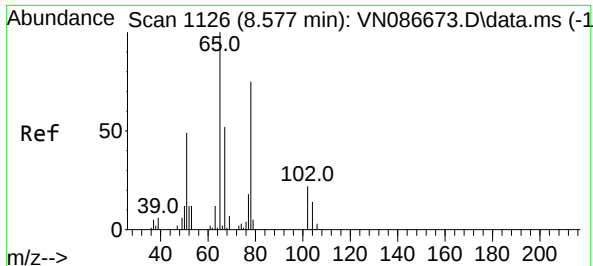
Tgt Ion: 43 Resp: 368
Ion Ratio Lower Upper
43 100
58 0.0 25.8 38.6#



#31
Cyclohexane
Concen: 0.814 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086773.D
Acq: 23 May 2025 13:05

Tgt Ion: 56 Resp: 4155
Ion Ratio Lower Upper
56 100
69 188.7 25.0 37.6#
84 172.8 71.0 106.4#





#33

1,2-Dichloroethane-d4

Concen: 43.452 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086773.D

Acq: 23 May 2025 13:05

Instrument :

MSVOA_N

ClientSampleId :

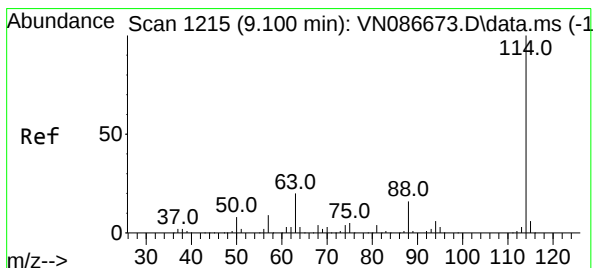
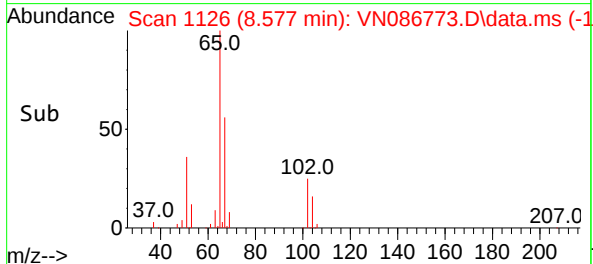
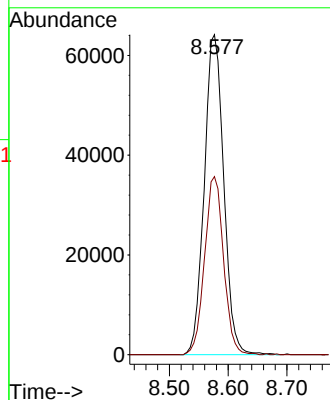
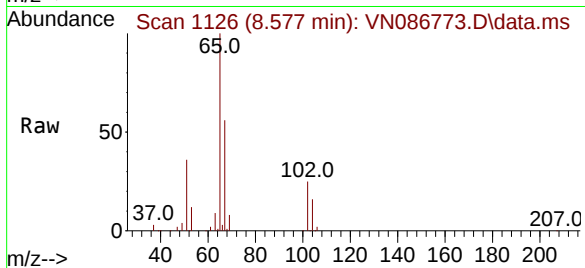
IBLK

Tgt Ion: 65 Resp: 147766

Ion Ratio Lower Upper

65 100

67 54.3 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086773.D

Acq: 23 May 2025 13:05

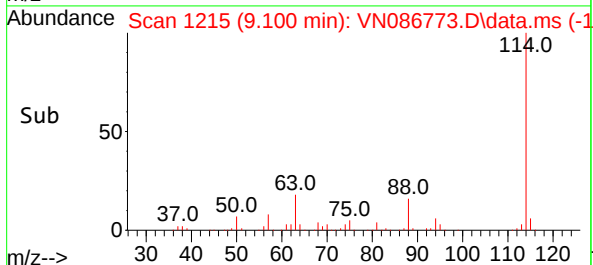
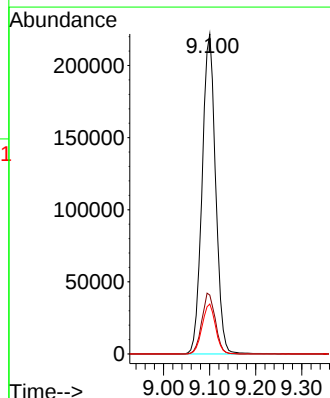
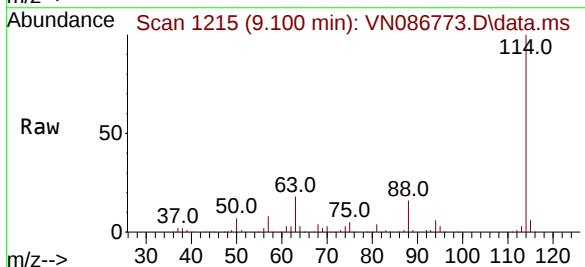
Tgt Ion: 114 Resp: 453110

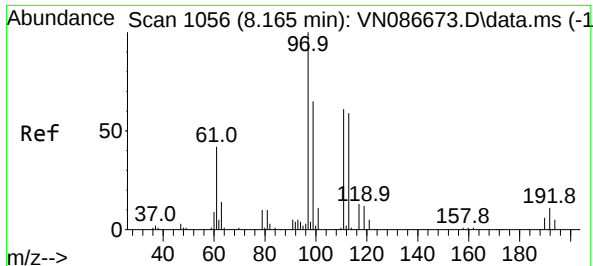
Ion Ratio Lower Upper

114 100

63 18.4 0.0 40.2

88 15.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.280 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086773.D

Acq: 23 May 2025 13:05

Instrument :

MSVOA_N

ClientSampleId :

IBLK

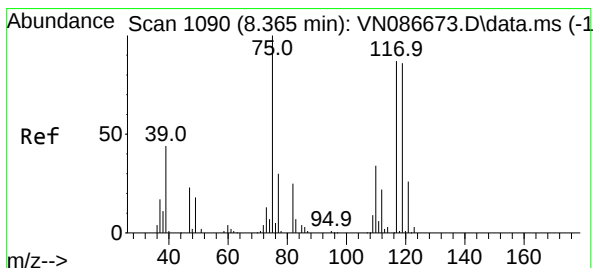
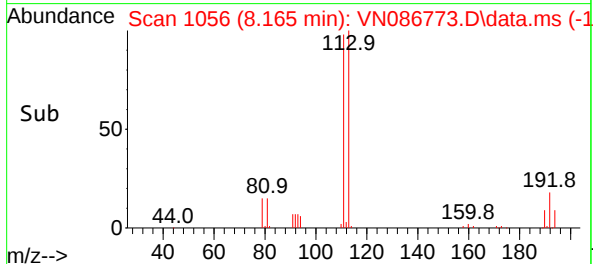
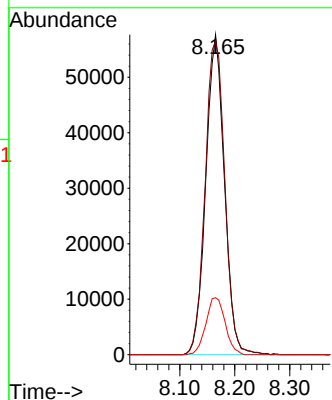
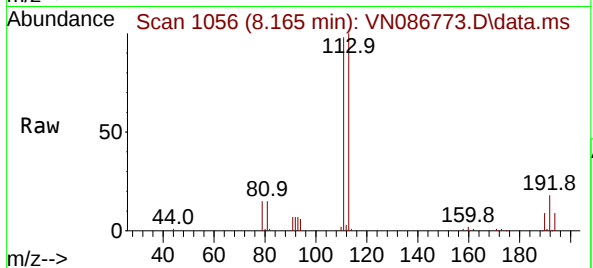
Tgt Ion:113 Resp: 135680

Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.2

192 18.5 13.8 20.8



#36

1,1-Dichloropropene

Concen: 4.598 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086773.D

Acq: 23 May 2025 13:05

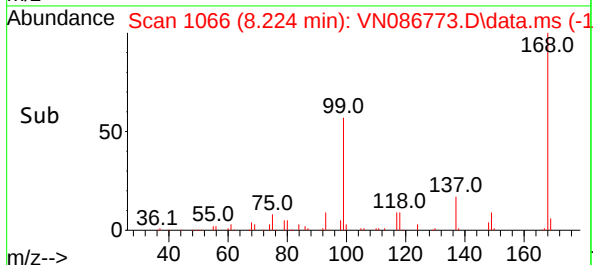
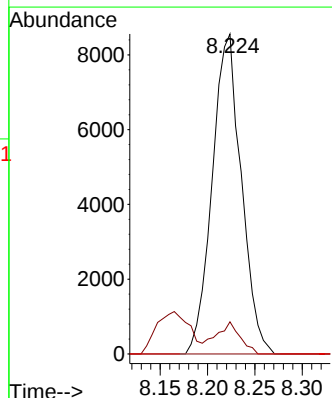
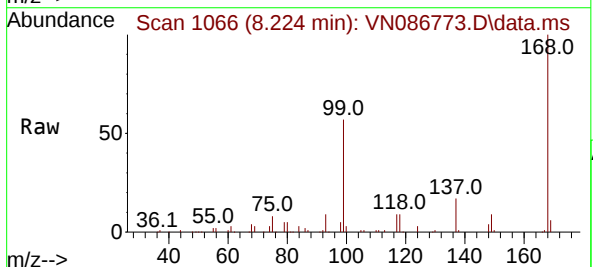
Tgt Ion: 75 Resp: 18302

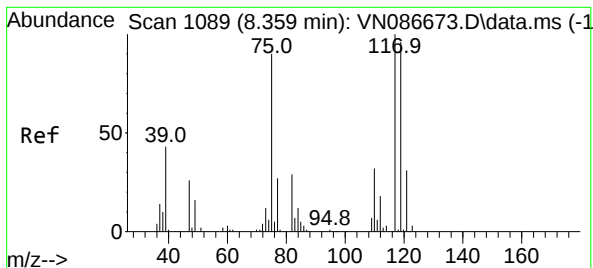
Ion Ratio Lower Upper

75 100

110 8.3 17.5 52.5#

77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.949 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086773.D

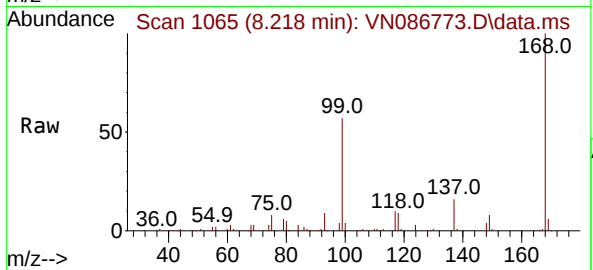
Acq: 23 May 2025 13:05

Instrument :

MSVOA_N

ClientSampleId :

IBLK



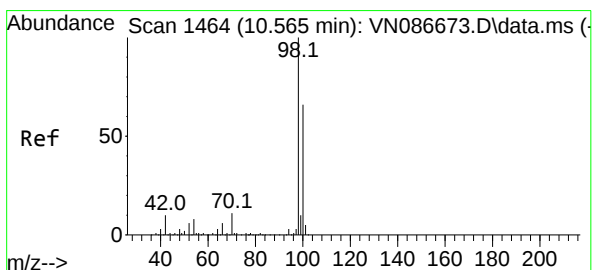
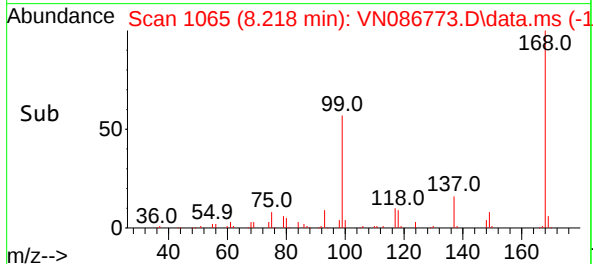
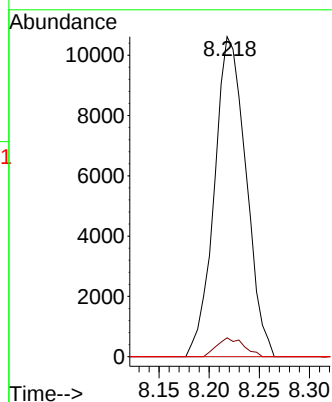
Tgt Ion:117 Resp: 23329

Ion Ratio Lower Upper

117 100

119 5.9 77.0 115.6#

121 0.0 25.0 37.6#



#50

Toluene-d8

Concen: 51.937 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086773.D

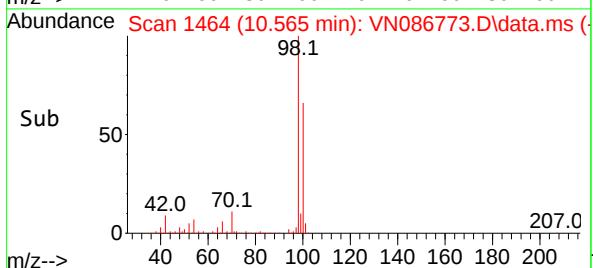
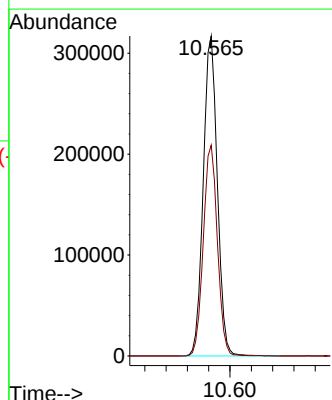
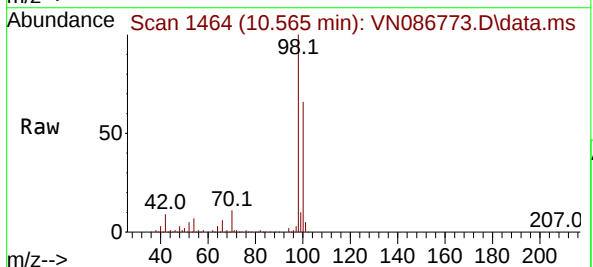
Acq: 23 May 2025 13:05

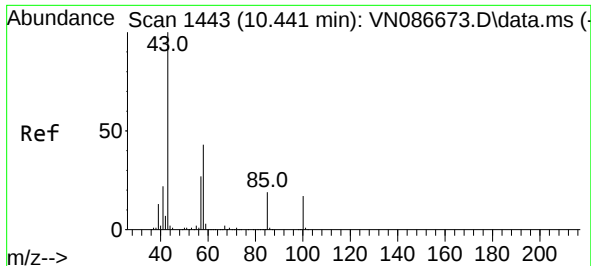
Tgt Ion: 98 Resp: 580793

Ion Ratio Lower Upper

98 100

100 65.9 52.9 79.3

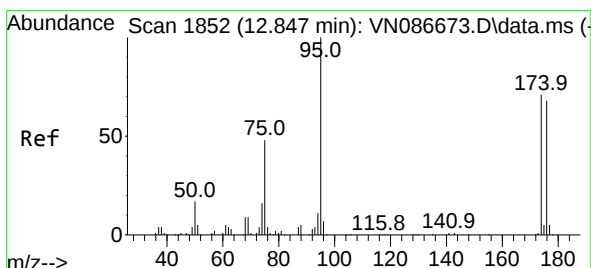
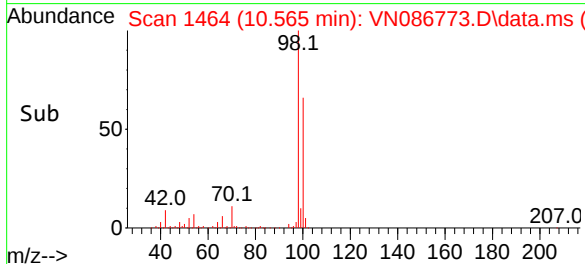
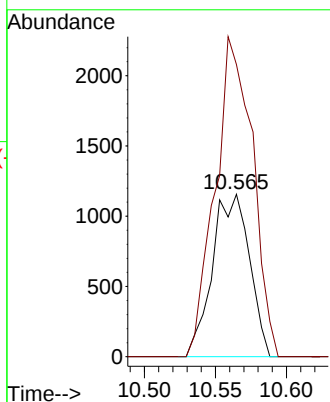
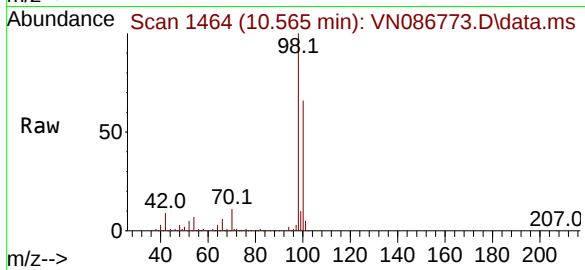




#51
4-Methyl-2-Pentanone
Concen: 0.516 ug/l
RT: 10.565 min Scan# 1443
Delta R.T. 0.123 min
Lab File: VN086773.D
Acq: 23 May 2025 13:05

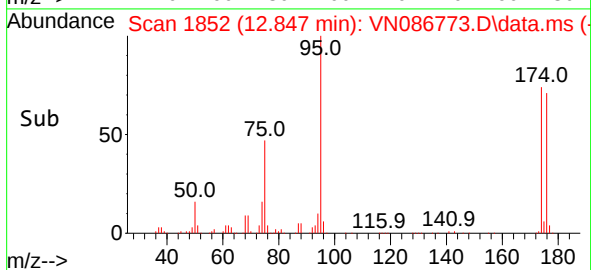
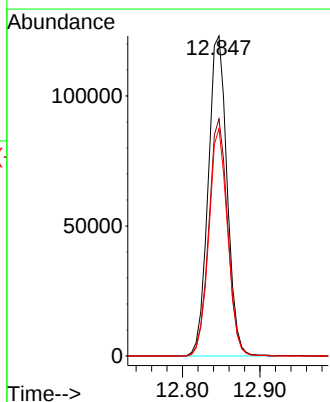
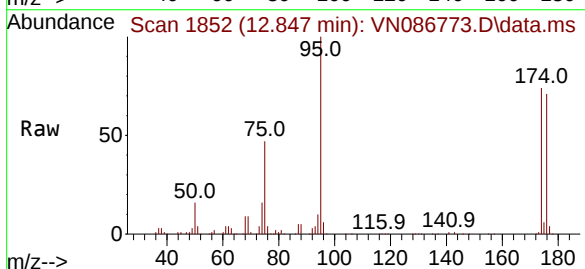
Instrument :
MSVOA_N
ClientSampleId :
IBLK

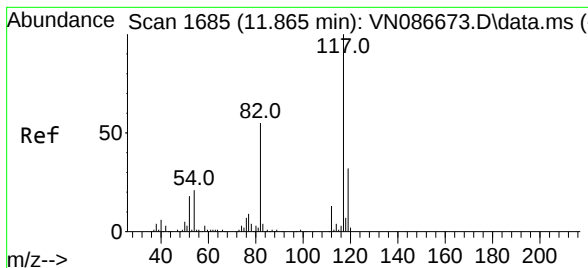
Tgt Ion: 43 Resp: 2098
Ion Ratio Lower Upper
43 100
58 198.9 33.9 50.9#



#62
4-Bromofluorobenzene
Concen: 52.772 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086773.D
Acq: 23 May 2025 13:05

Tgt Ion: 95 Resp: 208371
Ion Ratio Lower Upper
95 100
174 73.9 0.0 145.4
176 70.3 0.0 137.8

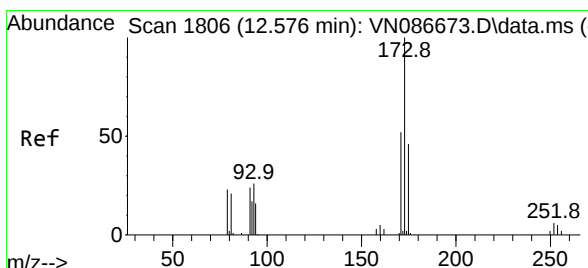
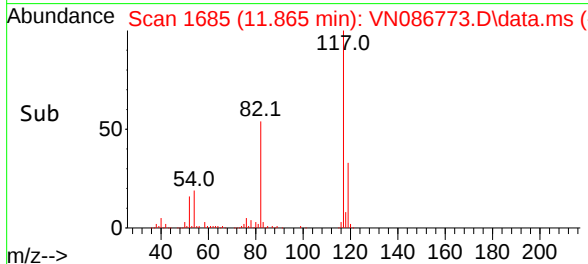
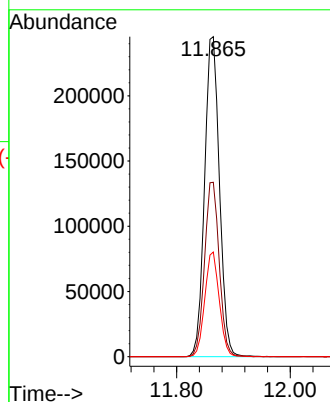
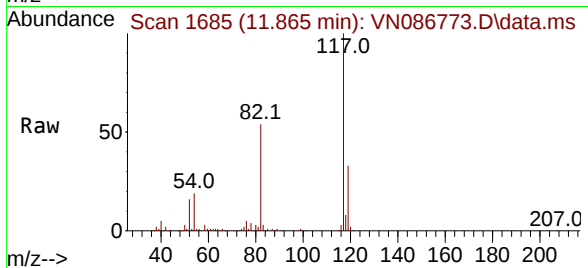




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086773.D
Acq: 23 May 2025 13:05

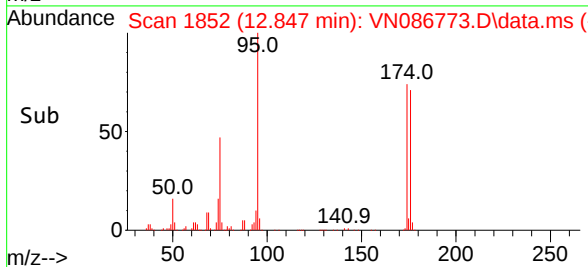
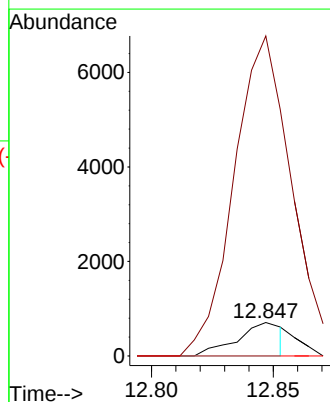
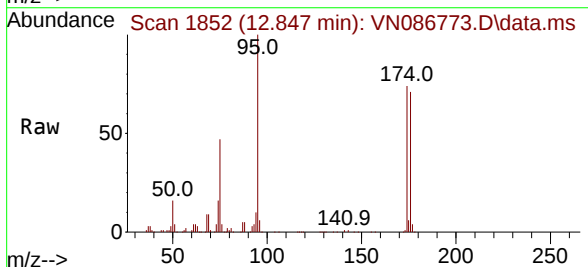
Instrument :
MSVOA_N
ClientSampleId :
IBLK

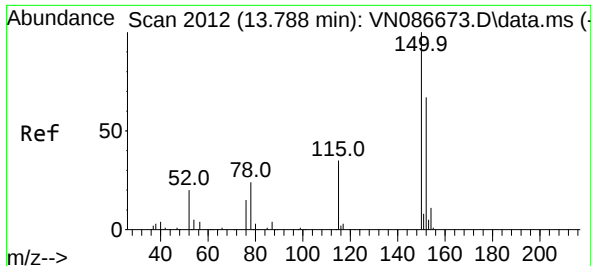
Tgt Ion:117 Resp: 443761
Ion Ratio Lower Upper
117 100
82 54.5 44.2 66.2
119 32.7 25.4 38.2



#71
Bromoform
Concen: 0.410 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN086773.D
Acq: 23 May 2025 13:05

Tgt Ion:173 Resp: 916
Ion Ratio Lower Upper
173 100
175 986.7 23.4 70.2#
254 0.0 0.0 0.0

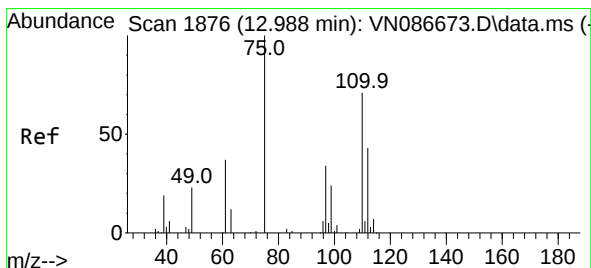
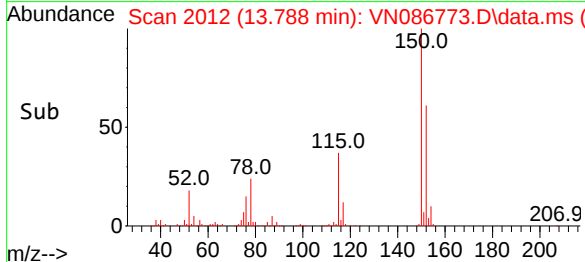
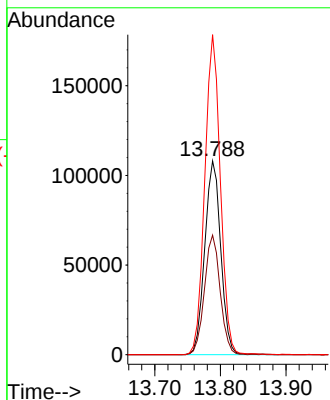
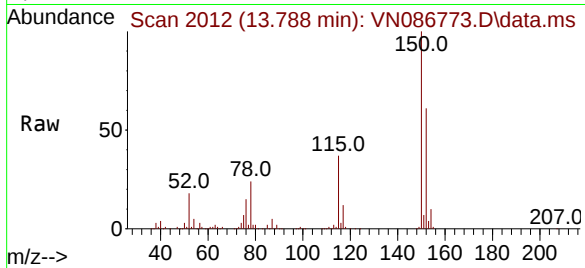




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN086773.D
 Acq: 23 May 2025 13:05

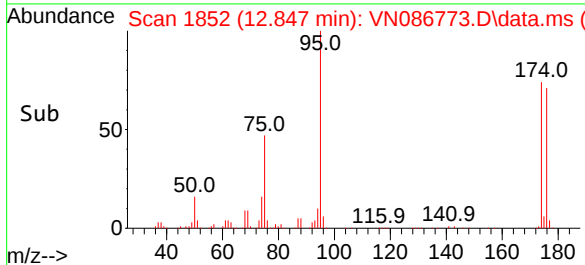
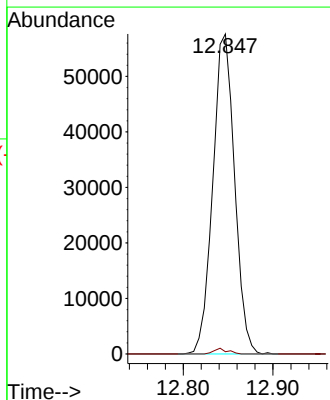
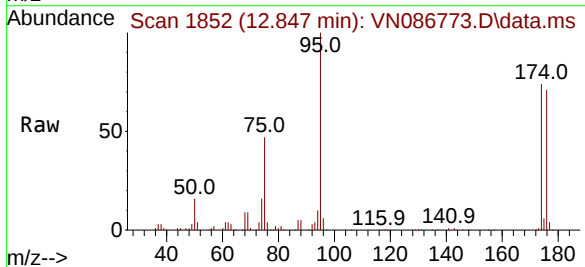
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

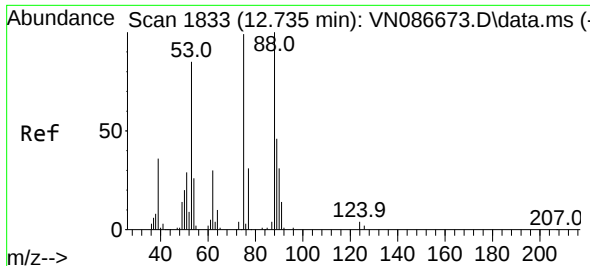
Tgt Ion:152 Resp: 183629
 Ion Ratio Lower Upper
 152 100
 115 60.6 30.0 90.1
 150 160.6 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 23.372 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN086773.D
 Acq: 23 May 2025 13:05

Tgt Ion: 75 Resp: 97061
 Ion Ratio Lower Upper
 75 100
 77 1.1 96.0 288.1#

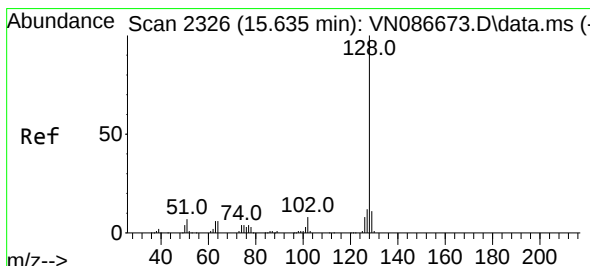
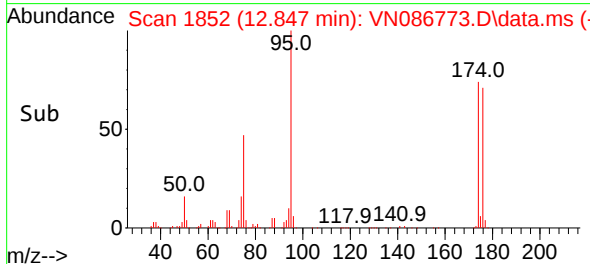
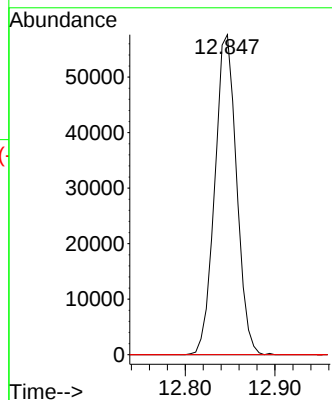
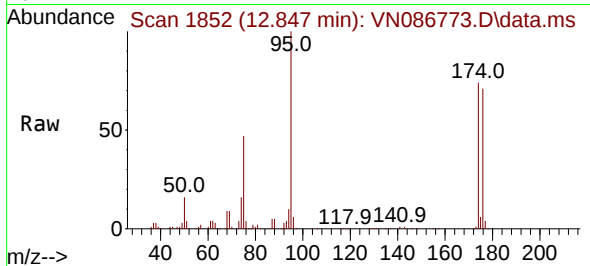




#81
trans-1,4-Dichloro-2-butene
Concen: 58.982 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086773.D
Acq: 23 May 2025 13:05

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 97061
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 32.4 48.6#



#95
Naphthalene
Concen: 0.367 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086773.D
Acq: 23 May 2025 13:05

Tgt Ion: 128 Resp: 3159
Ion Ratio Lower Upper
128 100
127 3.4 10.1 15.1#
129 0.0 8.6 13.0#

