

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086501.D
 Acq On : 05 May 2025 21:14
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 06 01:48:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

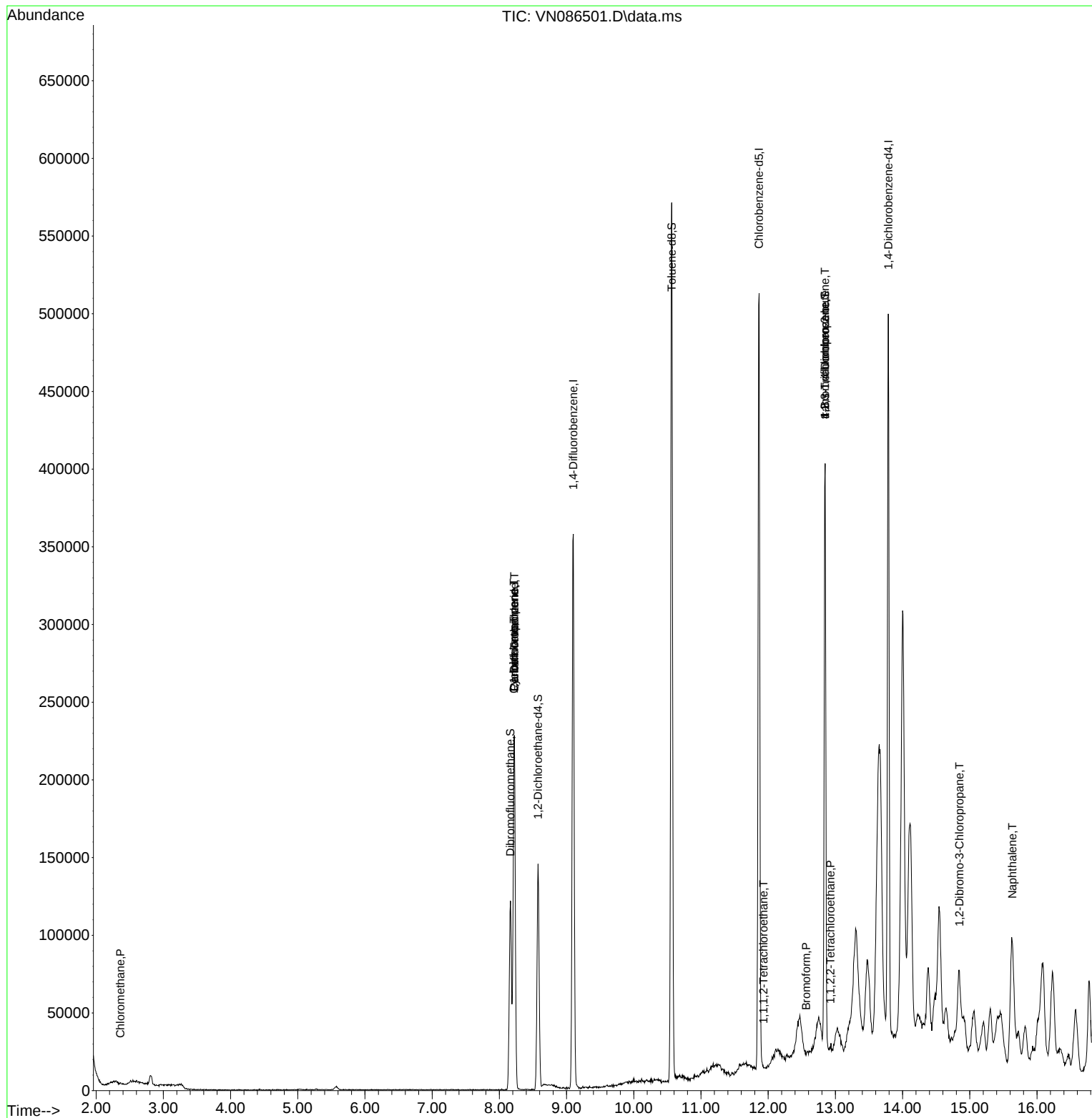
Internal Standards						
1) Pentafluorobenzene	8.224	168	172013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	320360	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	296505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127693	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119899	48.068	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.140%
35) Dibromofluoromethane	8.165	113	89100	59.926	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	119.860%
50) Toluene-d8	10.565	98	400926	50.454	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.900%
62) 4-Bromofluorobenzene	12.847	95	139865	48.256	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.520%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	676	0.228	ug/l #	85
16) Acetone	4.430	43	505	Below Cal	#	43
31) Cyclohexane	8.218	56	3875	0.959	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13671	4.603	ug/l #	49
38) Carbon Tetrachloride	8.224	117	17592	6.220	ug/l #	15
43) Isopropyl Acetate	8.683	43	5182	Below Cal	#	55
66) 1,1,1,2-Tetrachloroethane	11.929	131	491	0.225	ug/l #	44
71) Bromoform	12.565	173	754	0.459	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	12.929	83	678	0.226	ug/l #	62
76) 1,2,3-Trichloropropane	12.847	75	70579	23.422	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70579	56.251	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.847	75	1757	2.901	ug/l #	1
95) Naphthalene	15.635	128	13849	1.934	ug/l #	22

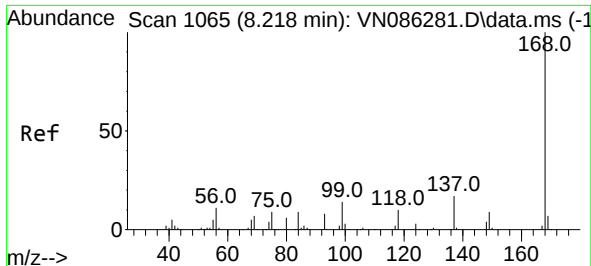
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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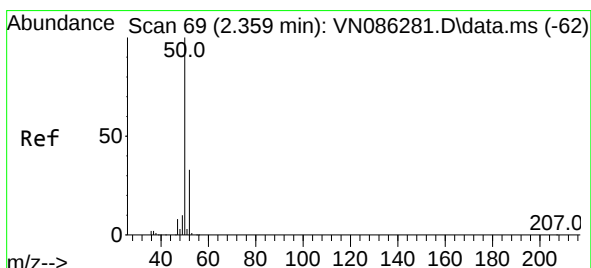
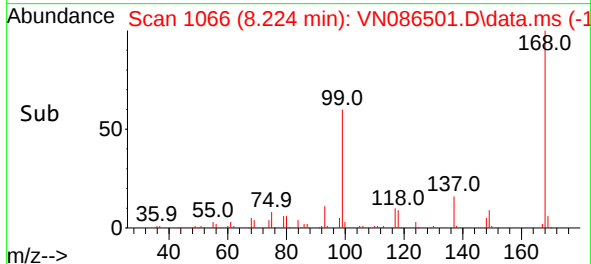
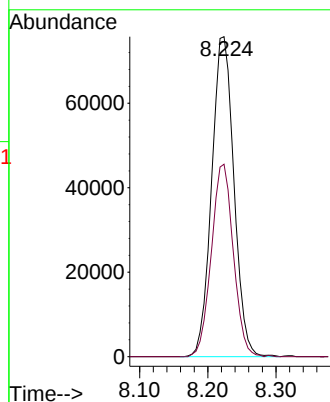
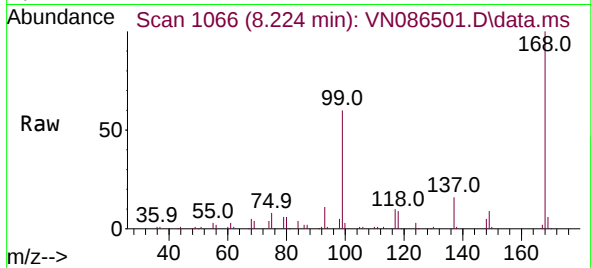




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086501.D
Acq: 05 May 2025 21:14

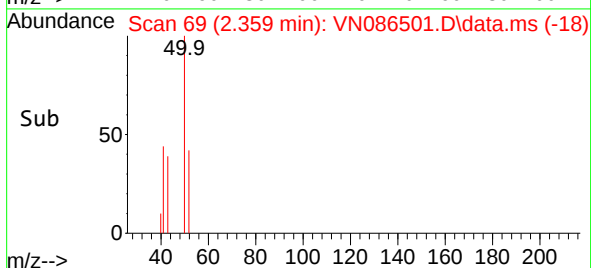
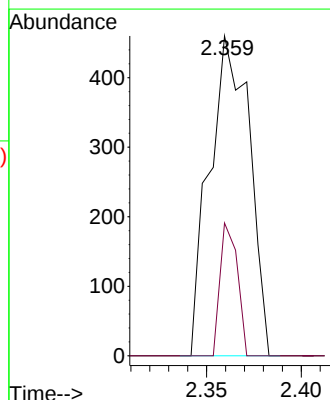
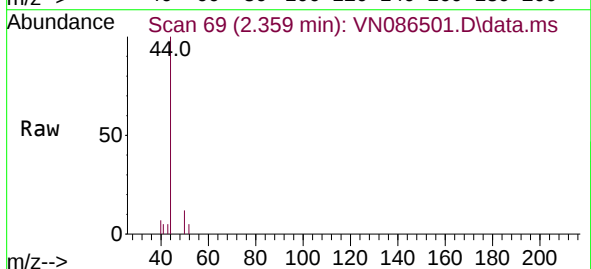
Instrument :
MSVOA_N
ClientSampleId :
IBLK

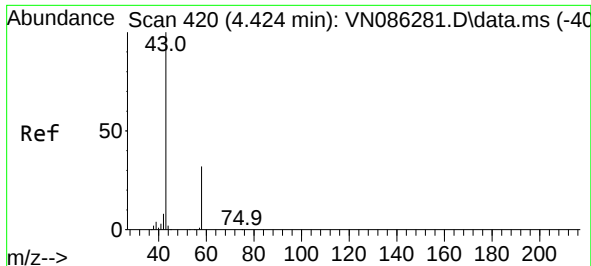
Tgt Ion:168 Resp: 172013
Ion Ratio Lower Upper
168 100
99 60.1 52.5 78.7



#3
Chloromethane
Concen: 0.228 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086501.D
Acq: 05 May 2025 21:14

Tgt Ion: 50 Resp: 676
Ion Ratio Lower Upper
50 100
52 41.5 26.5 39.7#





#16

Acetone

Concen: Below Cal

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN086501.D

Acq: 05 May 2025 21:14

Instrument :

MSVOA_N

ClientSampleId :

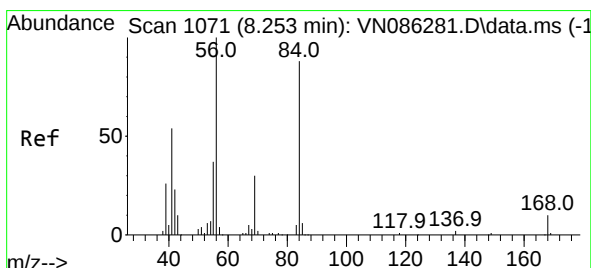
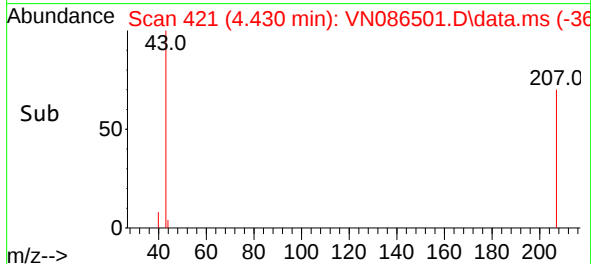
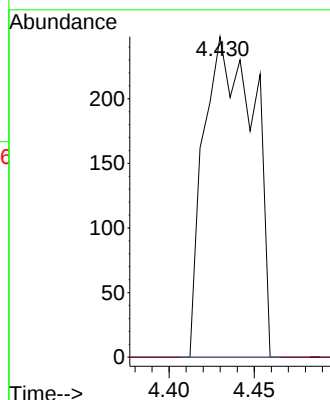
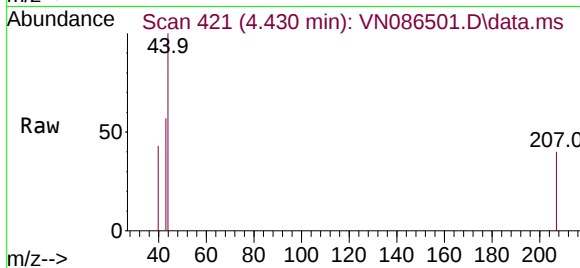
IBLK

Tgt Ion: 43 Resp: 505

Ion Ratio Lower Upper

43 100

58 0.0 25.3 37.9#



#31

Cyclohexane

Concen: 0.959 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN086501.D

Acq: 05 May 2025 21:14

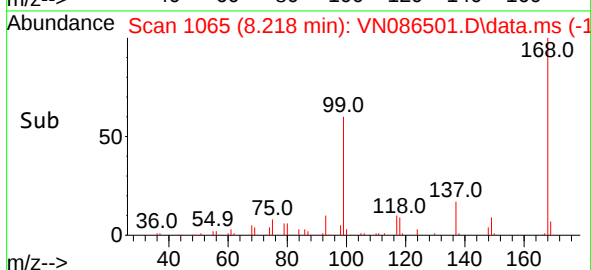
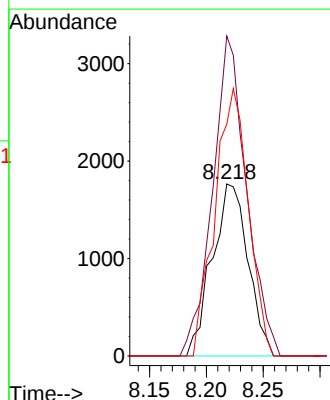
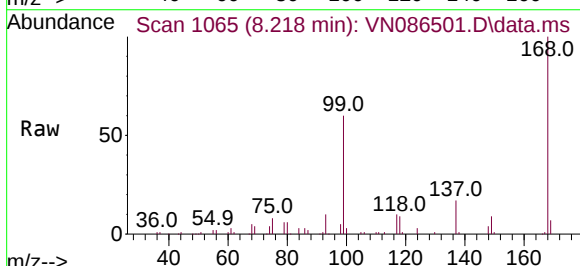
Tgt Ion: 56 Resp: 3875

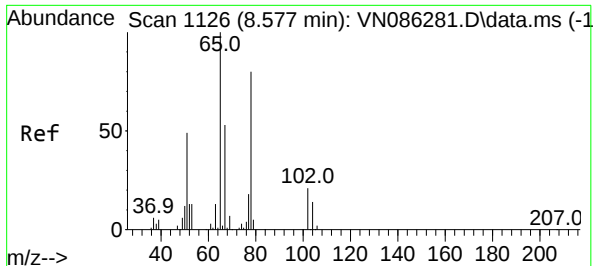
Ion Ratio Lower Upper

56 100

69 186.1 24.2 36.2#

84 134.7 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 48.068 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086501.D

Acq: 05 May 2025 21:14

Instrument :

MSVOA_N

ClientSampleId :

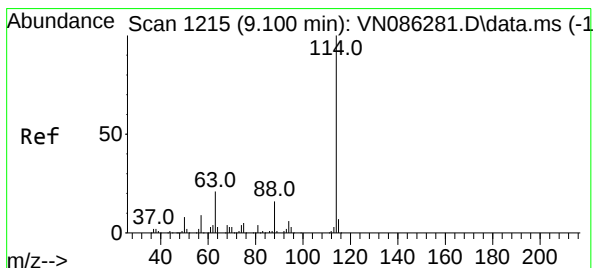
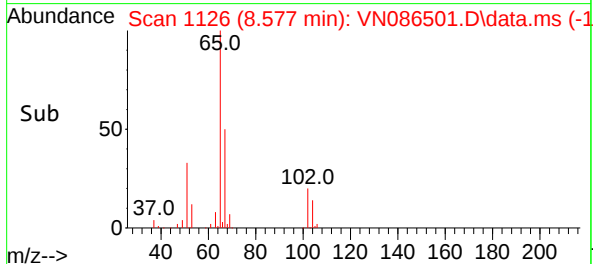
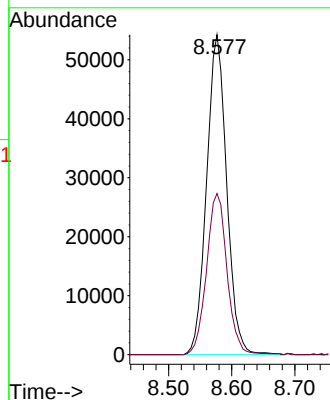
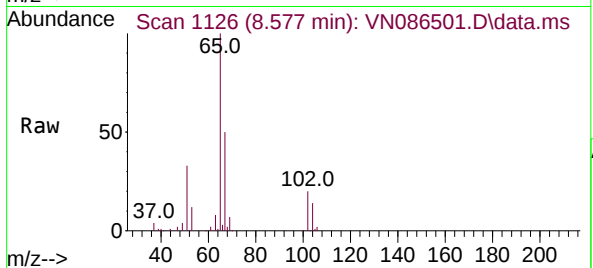
IBLK

Tgt Ion: 65 Resp: 119899

Ion Ratio Lower Upper

65 100

67 51.5 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN086501.D

Acq: 05 May 2025 21:14

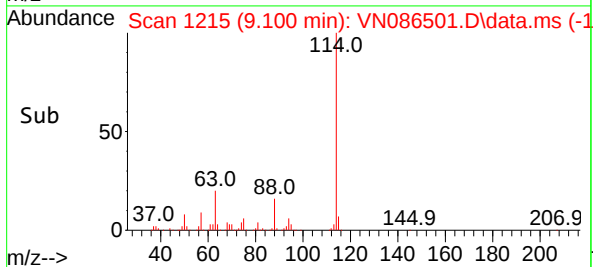
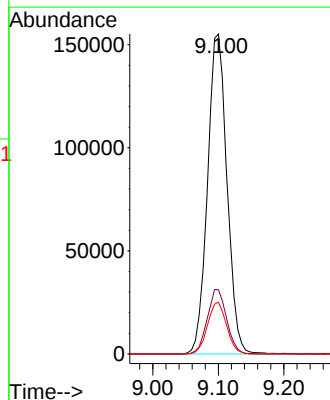
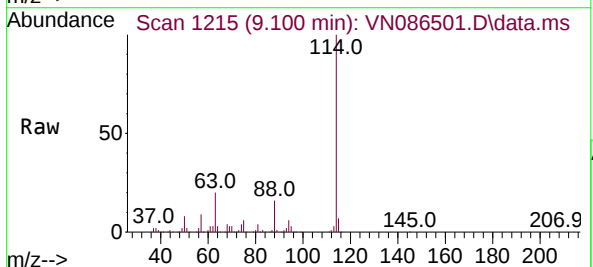
Tgt Ion: 114 Resp: 320360

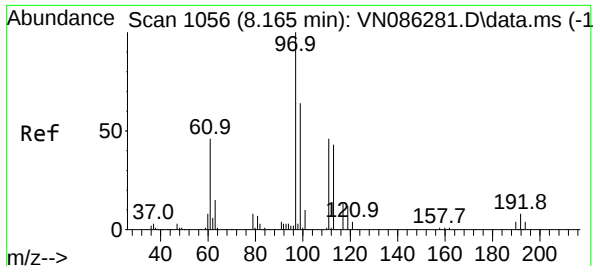
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.6

88 16.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 59.926 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086501.D

Acq: 05 May 2025 21:14

Instrument :

MSVOA_N

ClientSampleId :

IBLK

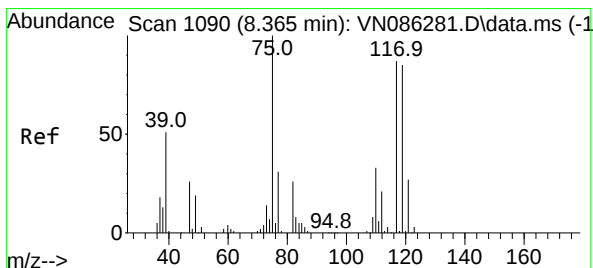
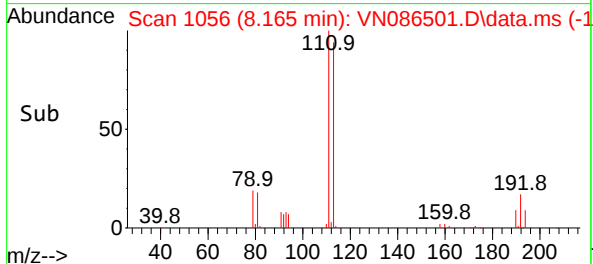
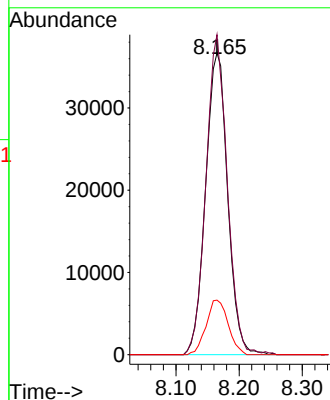
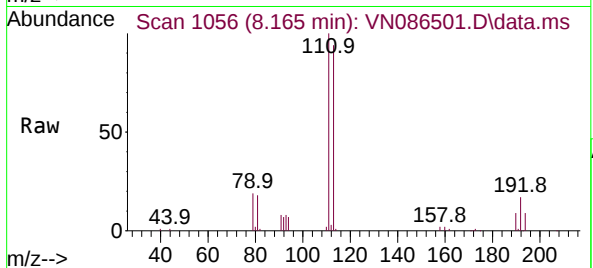
Tgt Ion:113 Resp: 89100

Ion Ratio Lower Upper

113 100

111 102.2 83.4 125.0

192 18.0 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.603 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086501.D

Acq: 05 May 2025 21:14

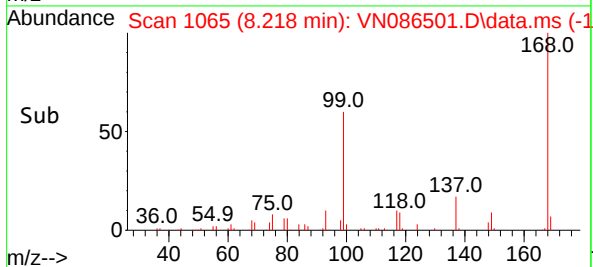
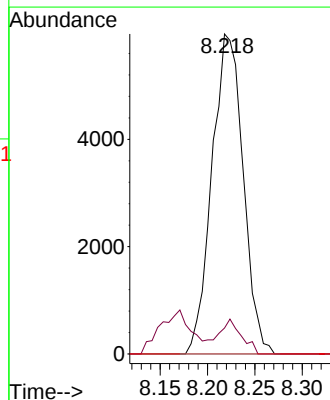
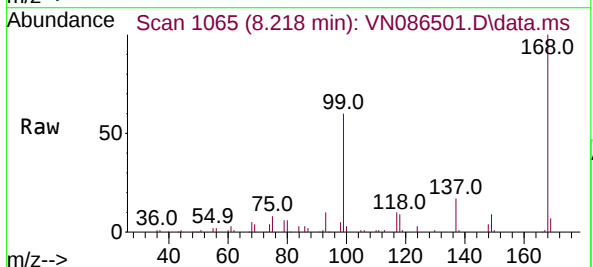
Tgt Ion: 75 Resp: 13671

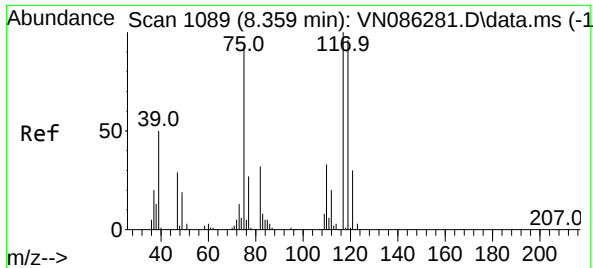
Ion Ratio Lower Upper

75 100

110 7.8 16.8 50.4#

77 0.0 24.9 37.3#

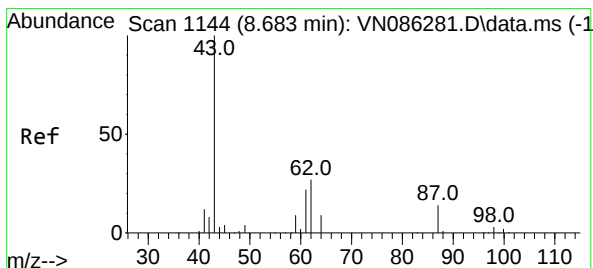
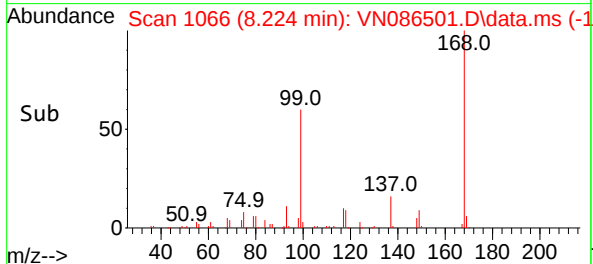
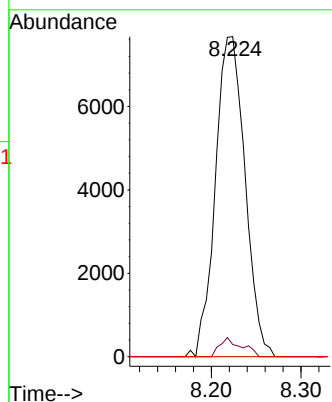
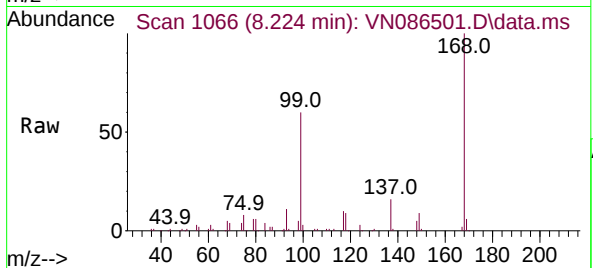




#38
Carbon Tetrachloride
Concen: 6.220 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN086501.D
Acq: 05 May 2025 21:14

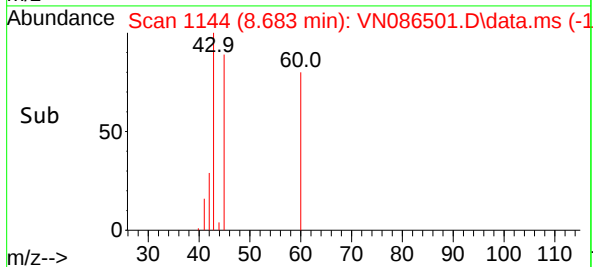
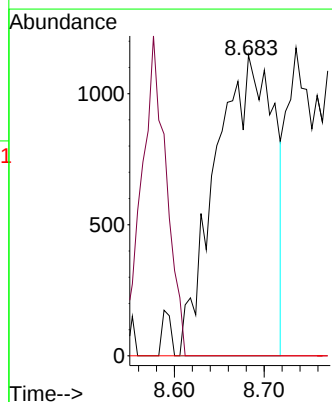
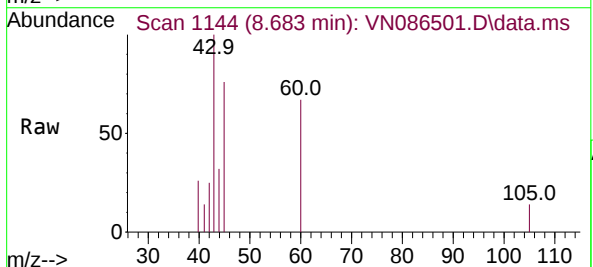
Instrument :
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ClientSampleId :
IBLK

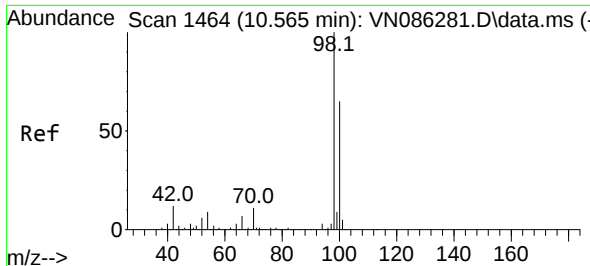
Tgt Ion:117 Resp: 17592
Ion Ratio Lower Upper
117 100
119 3.8 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086501.D
Acq: 05 May 2025 21:14

Tgt Ion: 43 Resp: 5182
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#

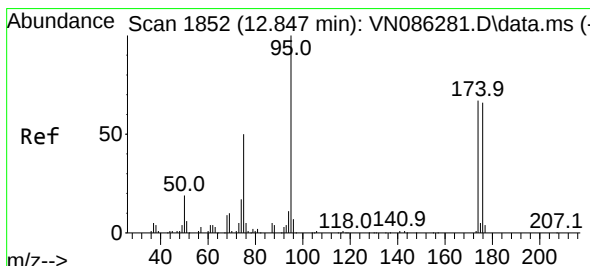
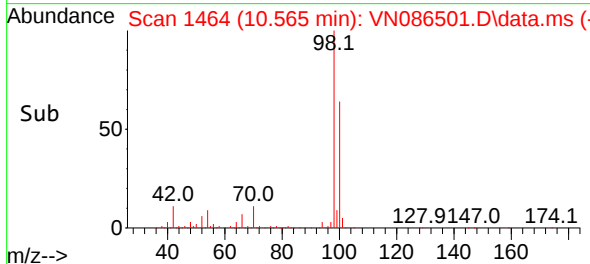
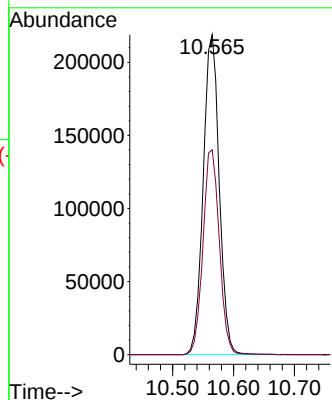
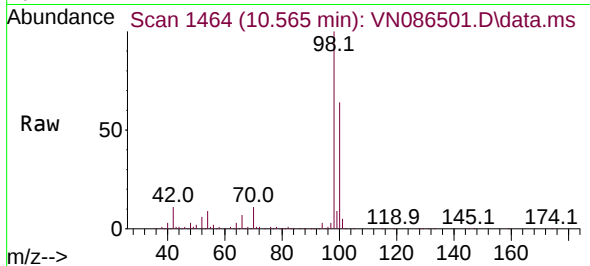




#50
Toluene-d8
Concen: 50.454 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086501.D
Acq: 05 May 2025 21:14

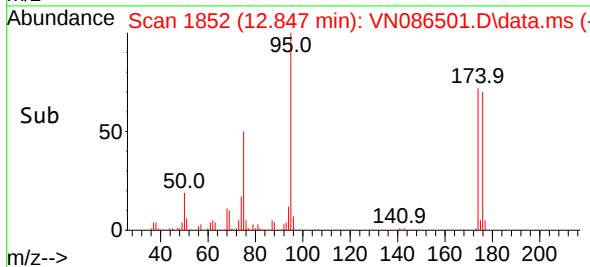
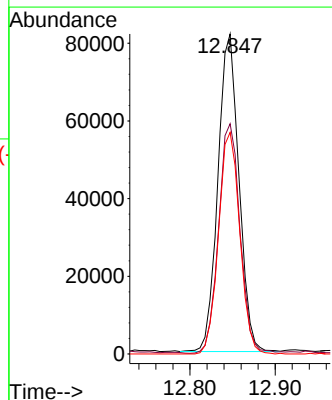
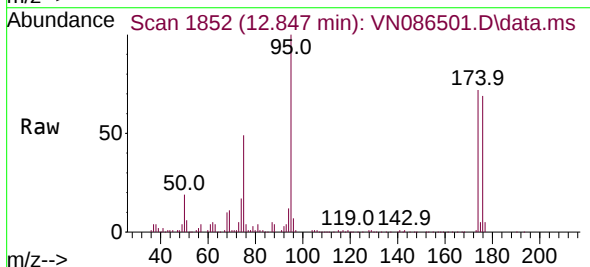
Instrument :
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IBLK

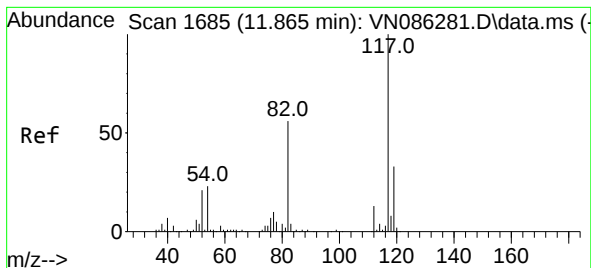
Tgt Ion: 98 Resp: 400926
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 48.256 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086501.D
Acq: 05 May 2025 21:14

Tgt Ion: 95 Resp: 139865
Ion Ratio Lower Upper
95 100
174 74.0 0.0 133.4
176 70.6 0.0 129.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086501.D

Acq: 05 May 2025 21:14

Instrument :

MSVOA_N

ClientSampleId :

IBLK

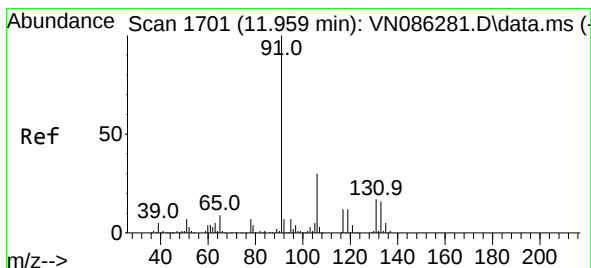
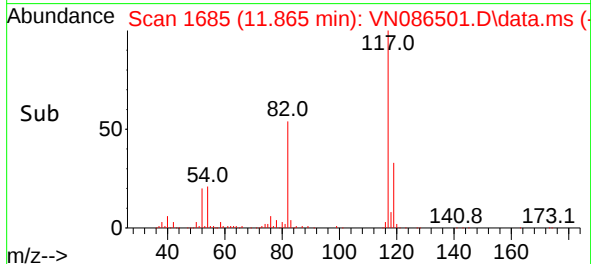
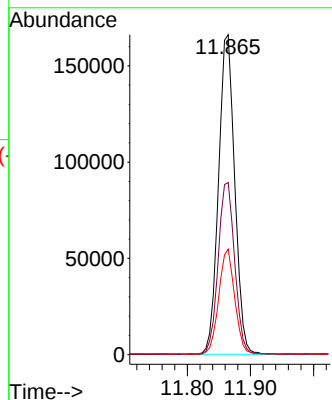
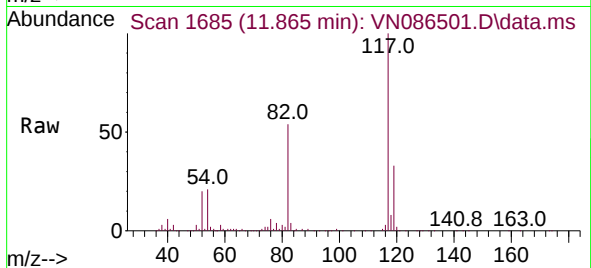
Tgt Ion:117 Resp: 296505

Ion Ratio Lower Upper

117 100

82 53.7 44.7 67.1

119 32.8 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 0.225 ug/l

RT: 11.929 min Scan# 1696

Delta R.T. -0.029 min

Lab File: VN086501.D

Acq: 05 May 2025 21:14

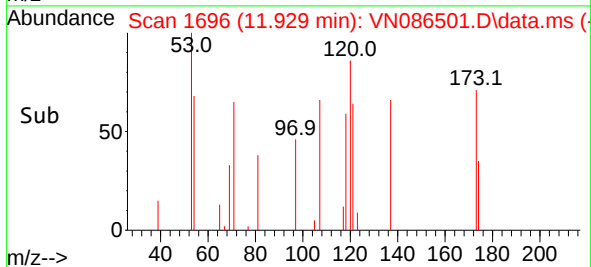
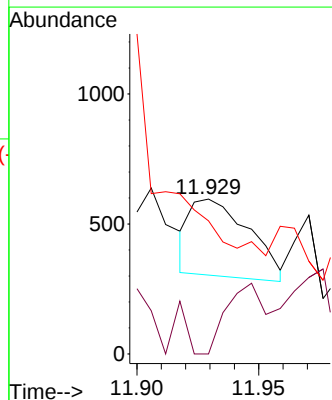
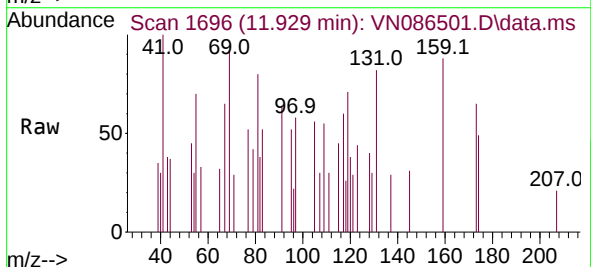
Tgt Ion:131 Resp: 491

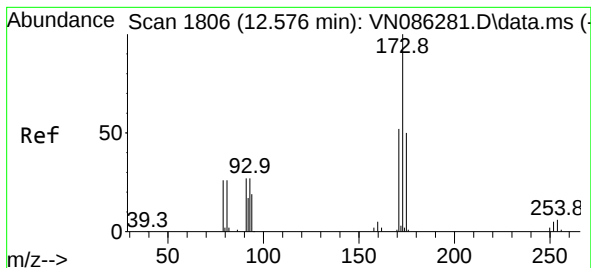
Ion Ratio Lower Upper

131 100

133 58.7 47.1 141.3

119 0.0 33.8 101.4#





#71

Bromoform

Concen: 0.459 ug/l

RT: 12.565 min Scan# 1804

Delta R.T. -0.012 min

Lab File: VN086501.D

Acq: 05 May 2025 21:14

Instrument :

MSVOA_N

ClientSampleId :

IBLK

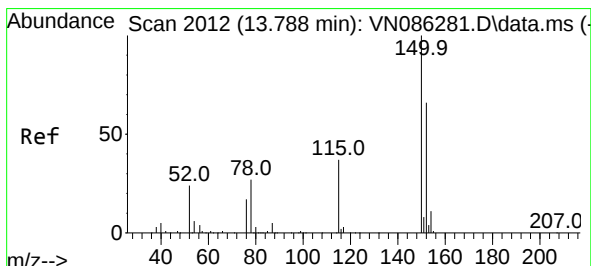
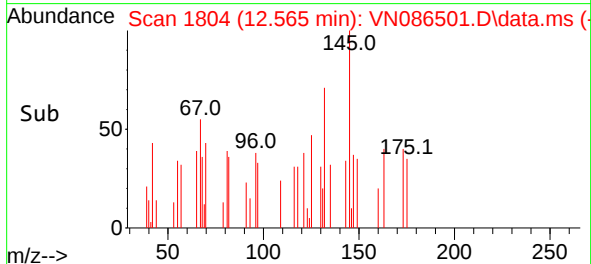
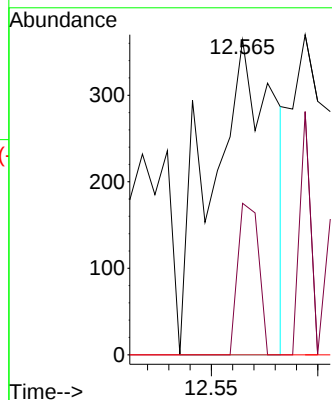
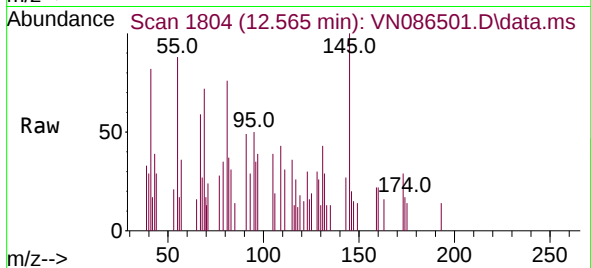
Tgt Ion:173 Resp: 754

Ion Ratio Lower Upper

173 100

175 0.0 24.6 73.6#

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: VN086501.D

Acq: 05 May 2025 21:14

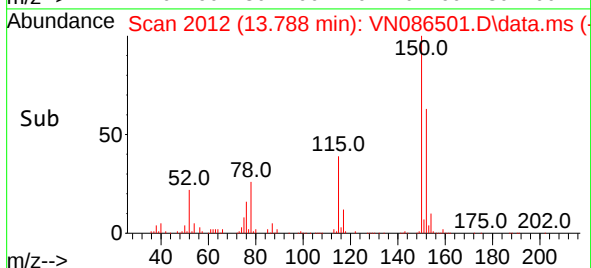
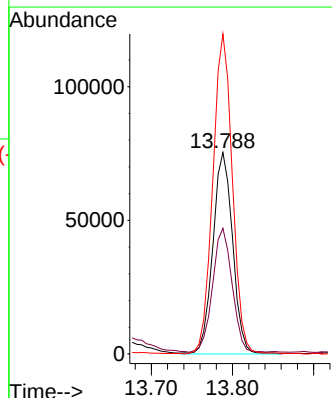
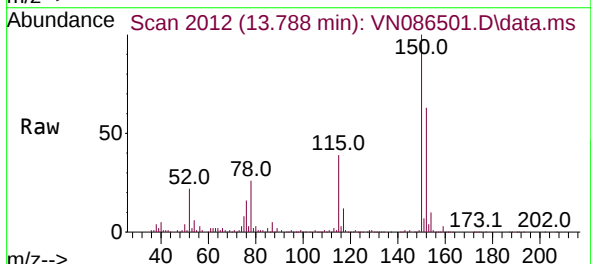
Tgt Ion:152 Resp: 127693

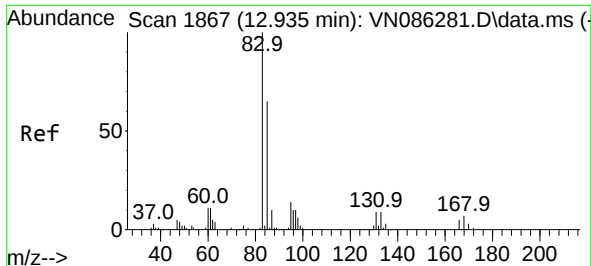
Ion Ratio Lower Upper

152 100

115 60.5 31.9 95.9

150 157.1 0.0 352.0

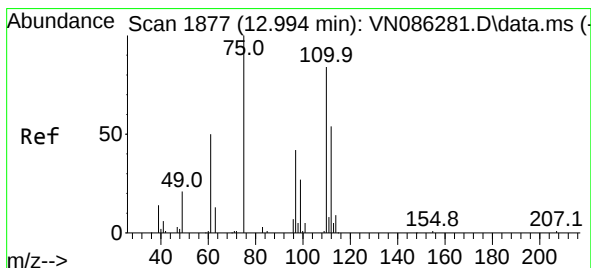
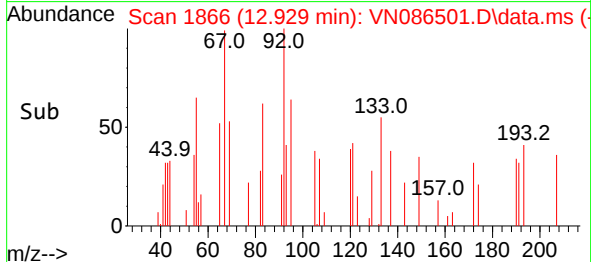
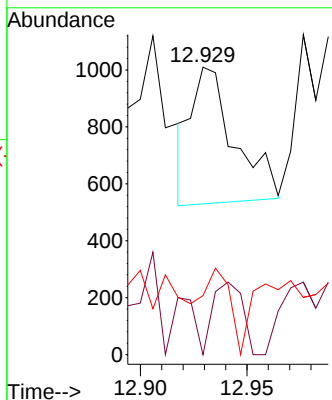
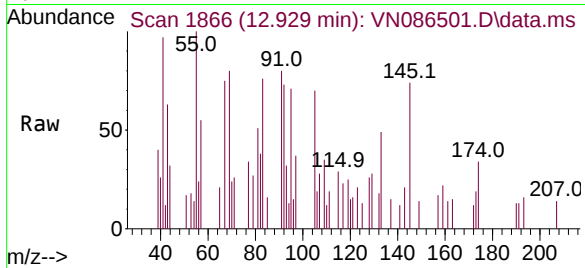




#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.226 ug/l
 RT: 12.929 min Scan# 1866
 Delta R.T. -0.006 min
 Lab File: VN086501.D
 Acq: 05 May 2025 21:14

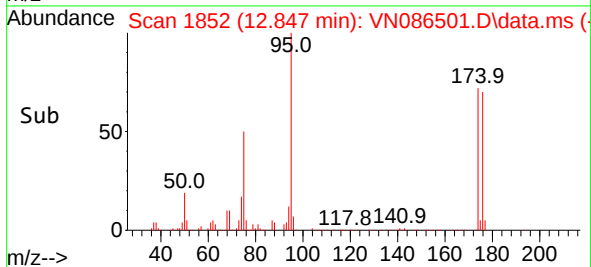
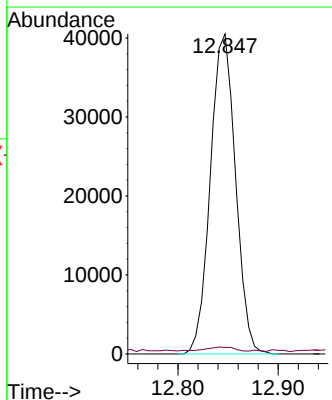
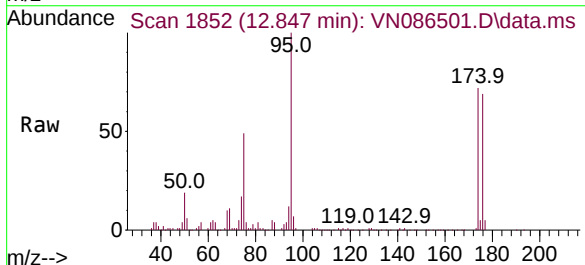
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

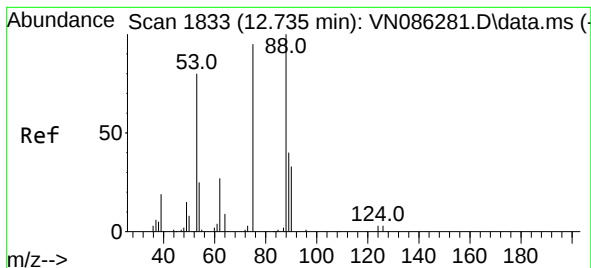
Tgt Ion: 83 Resp: 678
 Ion Ratio Lower Upper
 83 100
 131 36.0 4.7 14.1#
 85 39.4 32.7 98.1



#76
 1,2,3-Trichloropropane
 Concen: 23.422 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN086501.D
 Acq: 05 May 2025 21:14

Tgt Ion: 75 Resp: 70579
 Ion Ratio Lower Upper
 75 100
 77 1.4 98.8 296.4#

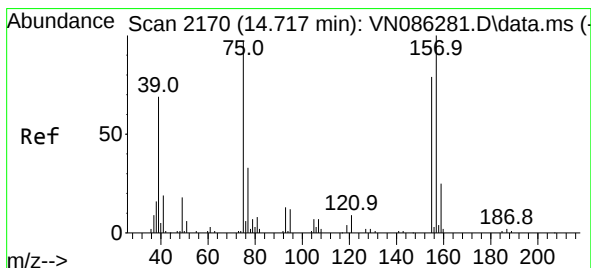
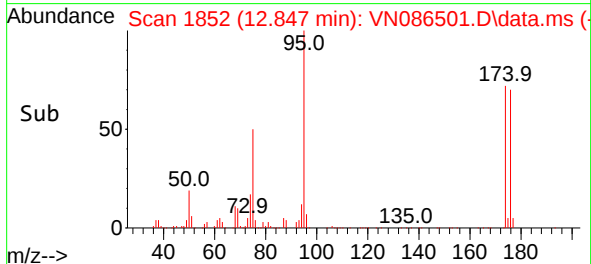
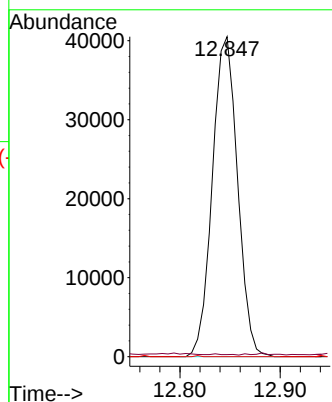
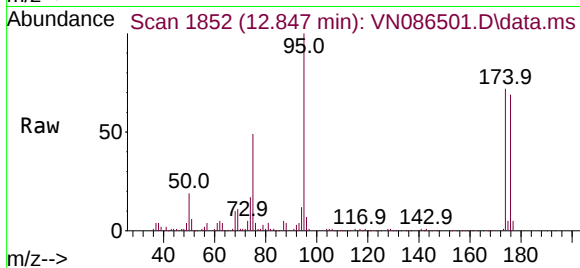




#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.251 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086501.D
 Acq: 05 May 2025 21:14

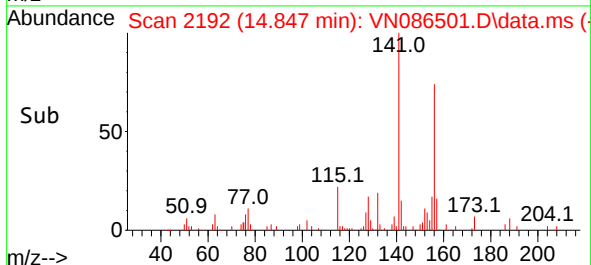
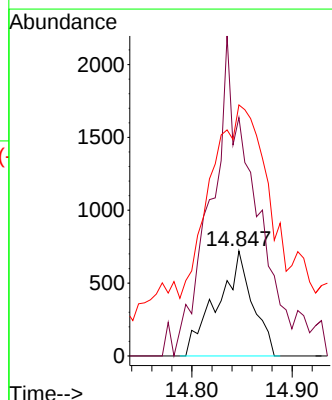
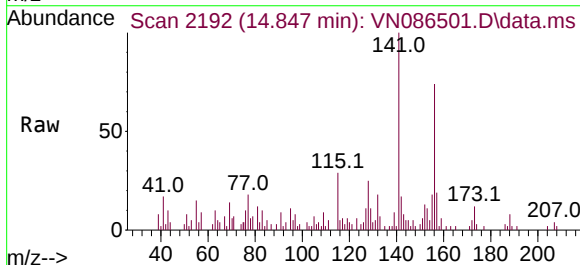
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

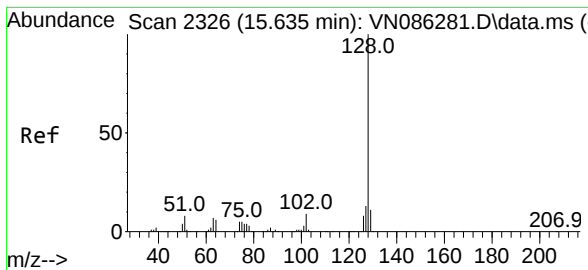
Tgt Ion: 75 Resp: 70579
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.2 118.8#
 89 0.0 35.7 53.5#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.901 ug/l
 RT: 14.847 min Scan# 2192
 Delta R.T. 0.129 min
 Lab File: VN086501.D
 Acq: 05 May 2025 21:14

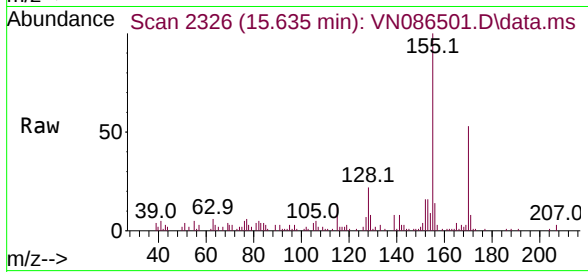
Tgt Ion: 75 Resp: 1757
 Ion Ratio Lower Upper
 75 100
 155 361.5 40.3 120.9#
 157 290.6 49.0 147.2#





#95
 Naphthalene
 Concen: 1.934 ug/l
 RT: 15.635 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN086501.D
 Acq: 05 May 2025 21:14

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:	128	Resp:	13849
Ion	Ratio	Lower	Upper
128	100		
127	44.0	10.2	15.4#
129	39.5	8.6	13.0#

