

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082925\
 Data File : VN087700.D
 Acq On : 29 Aug 2025 15:31
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Aug 29 22:56:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

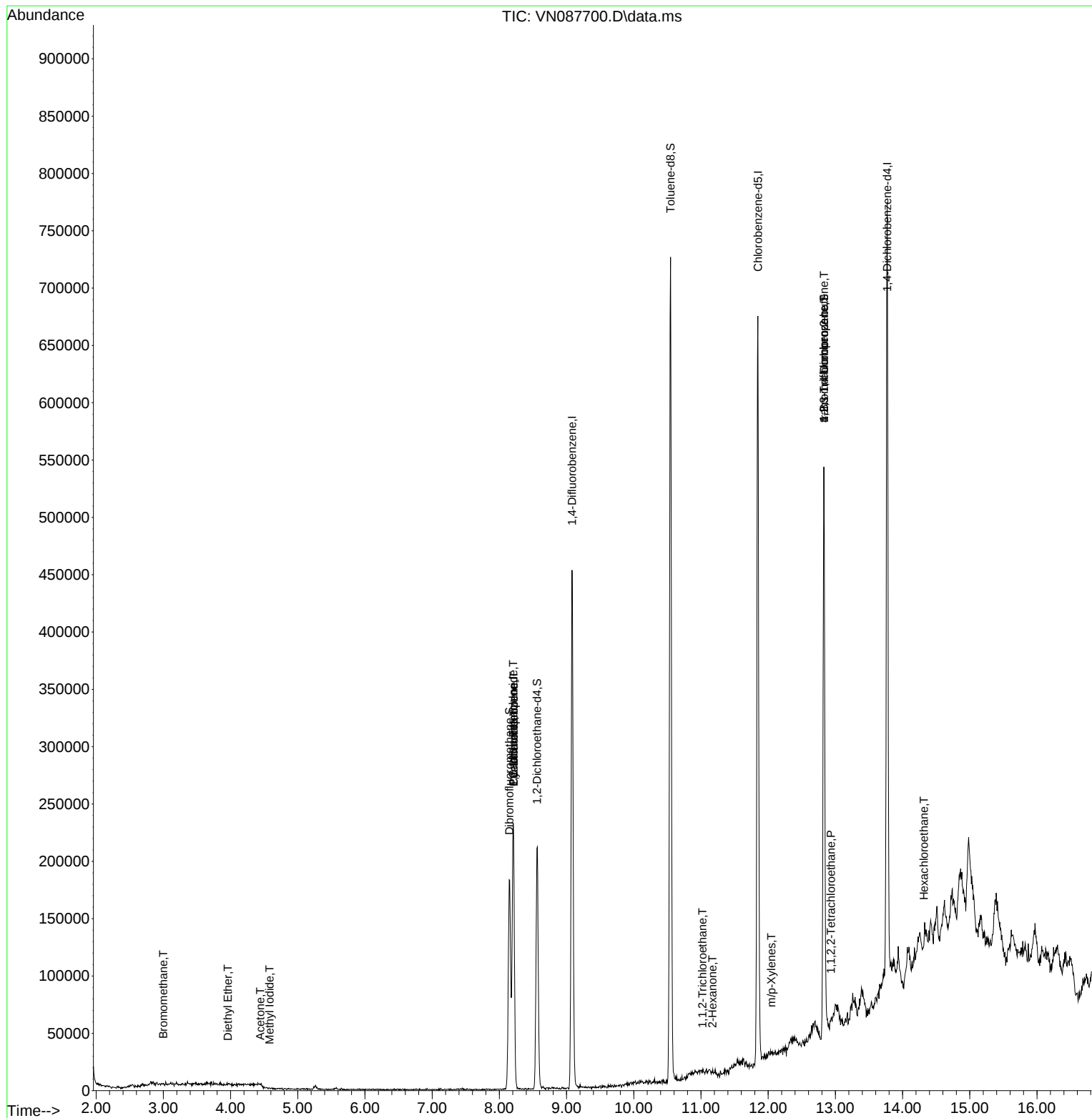
Internal Standards						
1) Pentafluorobenzene	8.212	168	156659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	364586	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	352328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	175083	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	174717	54.433	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.860%			
35) Dibromofluoromethane	8.147	113	132325	50.270	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.540%			
50) Toluene-d8	10.547	98	474503	48.162	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.320%			
62) 4-Bromofluorobenzene	12.829	95	175410	50.063	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.120%			
Target Compounds					Qvalue	
5) Bromomethane	3.000	94	677	0.495	ug/l #	68
8) Diethyl Ether	3.959	74	417	0.247	ug/l #	1
10) Methyl Iodide	4.583	142	157	6.893	ug/l #	38
16) Acetone	4.441	43	1972	1.129	ug/l #	74
20) Methylene Chloride	5.259	84	1551	Below Cal	#	76
31) Cyclohexane	8.212	56	5043	1.249	ug/l #	22
36) 1,1-Dichloropropene	8.212	75	15736	3.897	ug/l #	53
38) Carbon Tetrachloride	8.206	117	18393	4.613	ug/l #	18
55) 1,1,2-Trichloroethane	11.023	97	1110	0.374	ug/l #	32
59) 2-Hexanone	11.170	43	934	0.284	ug/l #	26
68) m/p-Xylenes	12.047	106	1144	0.206	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.935	83	1553	0.319	ug/l #	49
76) 1,2,3-Trichloropropane	12.829	75	103438	25.193	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	103438	66.696	ug/l #	1
90) Hexachloroethane	14.317	117	869	0.372	ug/l #	22

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

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Quant Time: Aug 29 22:56:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

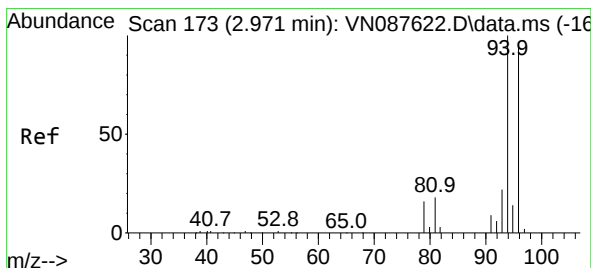
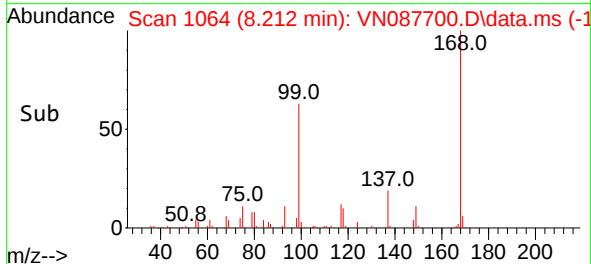
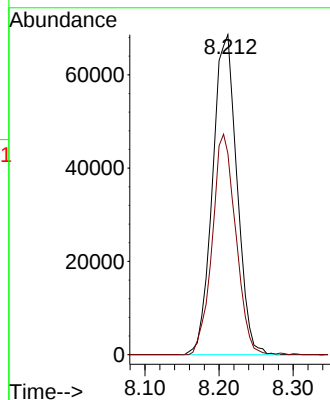
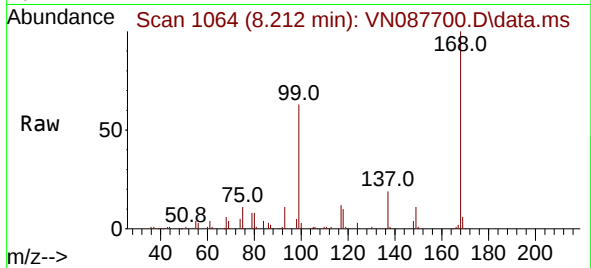




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087700.D
Acq: 29 Aug 2025 15:31

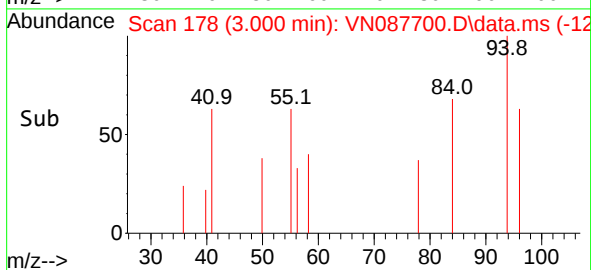
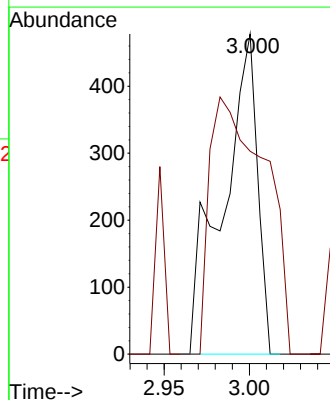
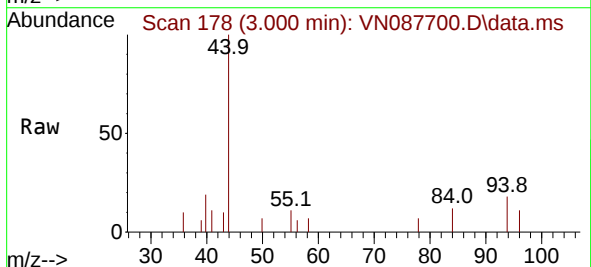
Instrument :
MSVOA_N
ClientSampleId :
IBLK

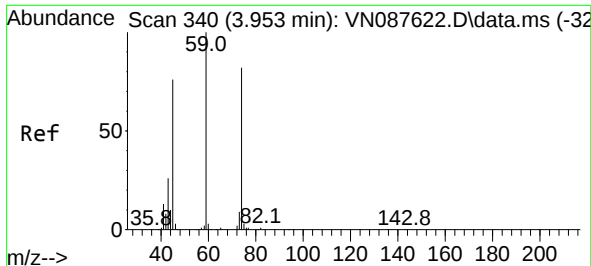
Tgt Ion:168 Resp: 156659
Ion Ratio Lower Upper
168 100
99 62.9 57.2 85.8



#5
Bromomethane
Concen: 0.495 ug/l
RT: 3.000 min Scan# 178
Delta R.T. 0.029 min
Lab File: VN087700.D
Acq: 29 Aug 2025 15:31

Tgt Ion: 94 Resp: 677
Ion Ratio Lower Upper
94 100
96 63.4 75.4 113.2#





#8

Diethyl Ether

Concen: 0.247 ug/l

RT: 3.959 min Scan# 341

Delta R.T. 0.006 min

Lab File: VN087700.D

Acq: 29 Aug 2025 15:31

Instrument :

MSVOA_N

ClientSampleId :

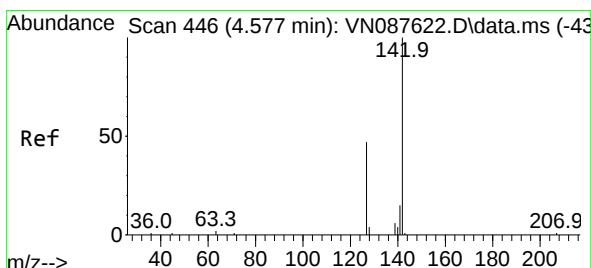
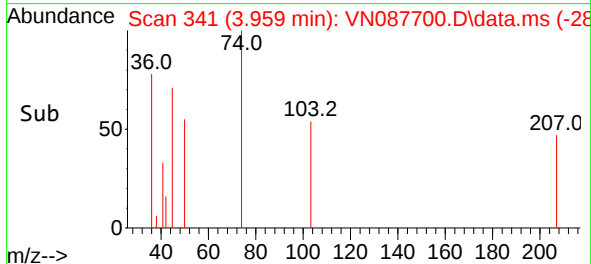
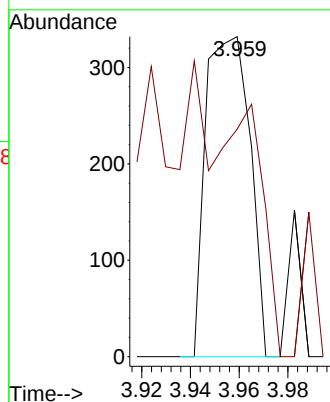
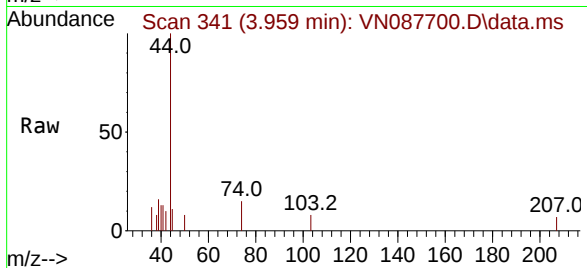
IBLK

Tgt Ion: 74 Resp: 417

Ion Ratio Lower Upper

74 100

45 0.0 50.6 151.9#



#10

Methyl Iodide

Concen: 6.893 ug/l

RT: 4.583 min Scan# 447

Delta R.T. 0.006 min

Lab File: VN087700.D

Acq: 29 Aug 2025 15:31

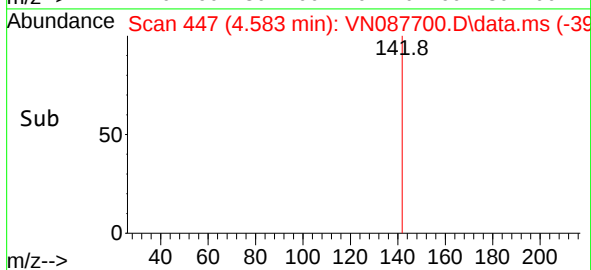
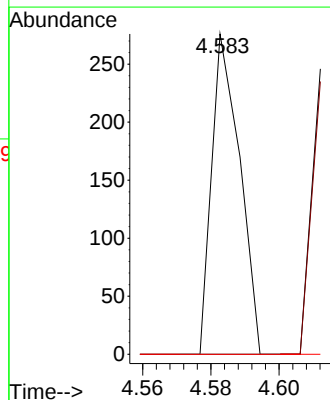
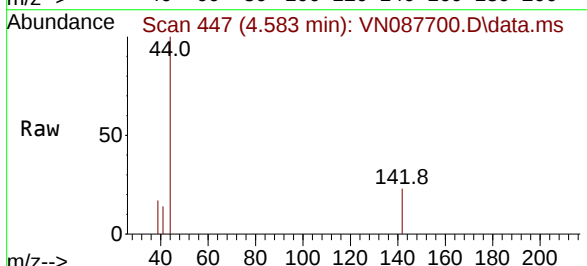
Tgt Ion:142 Resp: 157

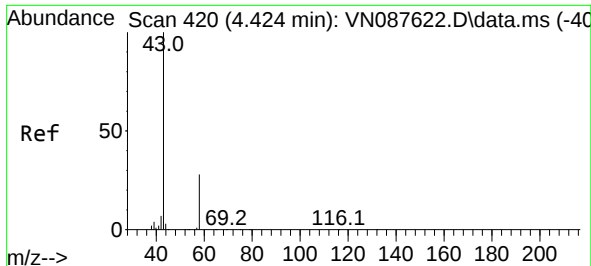
Ion Ratio Lower Upper

142 100

127 0.0 38.0 57.0#

141 0.0 12.0 18.0#

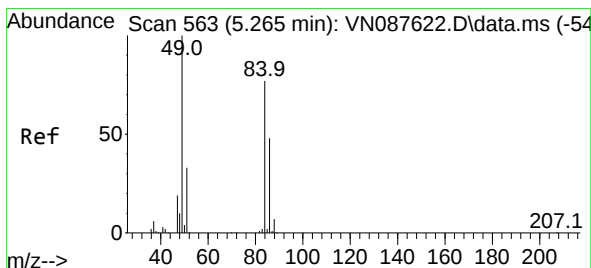
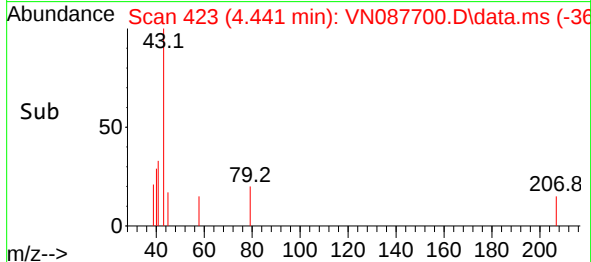
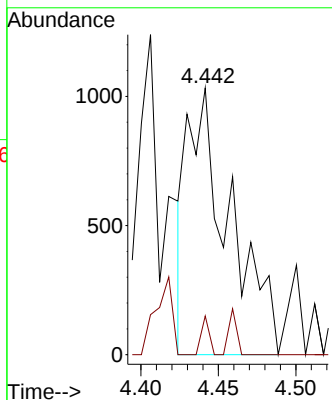
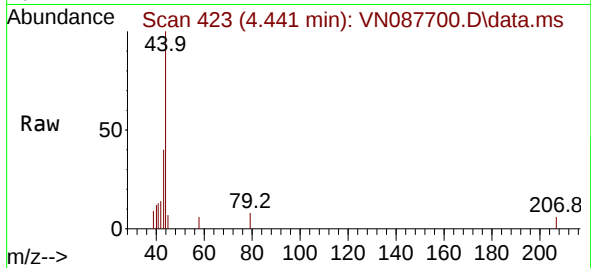




#16
Acetone
Concen: 1.129 ug/l
RT: 4.441 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN087700.D
Acq: 29 Aug 2025 15:31

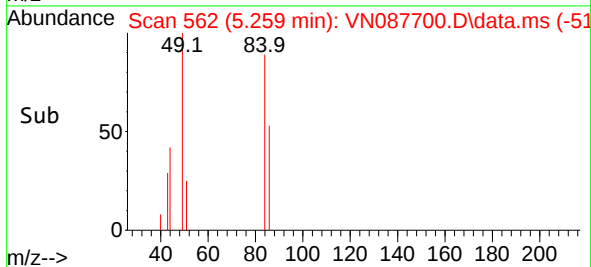
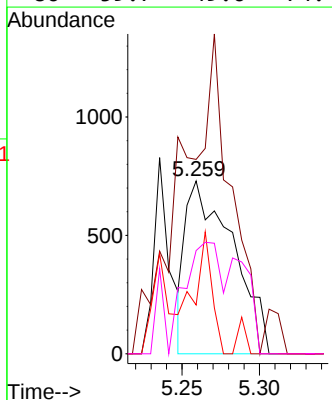
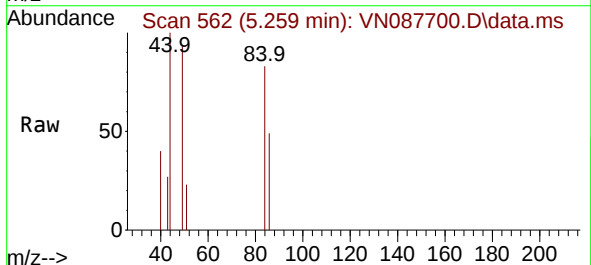
Instrument :
MSVOA_N
ClientSampleId :
IBLK

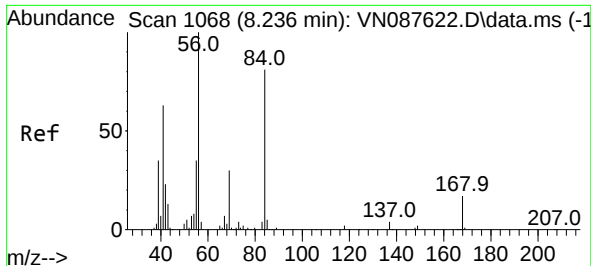
Tgt Ion: 43 Resp: 1972
Ion Ratio Lower Upper
43 100
58 14.5 22.6 33.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.259 min Scan# 562
Delta R.T. -0.006 min
Lab File: VN087700.D
Acq: 29 Aug 2025 15:31

Tgt Ion: 84 Resp: 1551
Ion Ratio Lower Upper
84 100
49 89.2 103.4 155.2#
51 28.2 33.8 50.8#
86 59.7 49.6 74.4

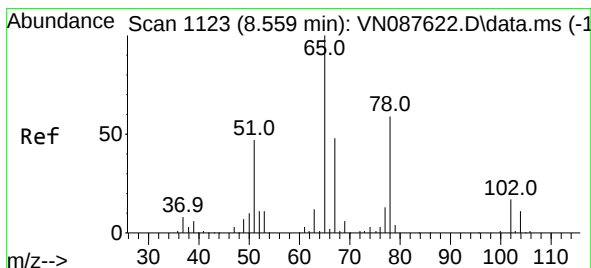
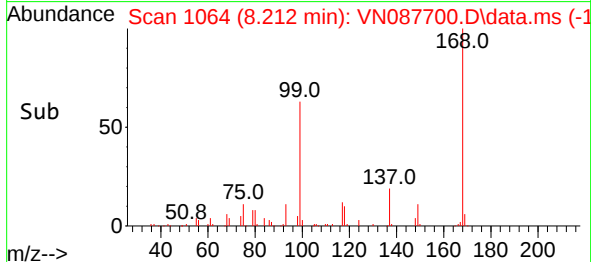
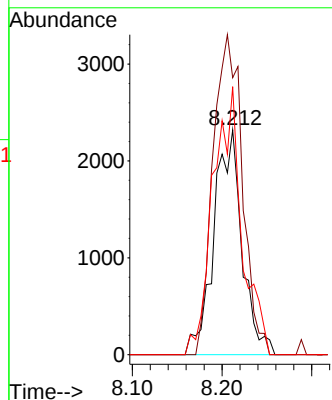
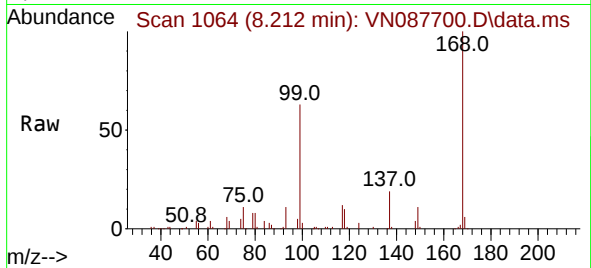




#31
Cyclohexane
Concen: 1.249 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.024 min
Lab File: VN087700.D
Acq: 29 Aug 2025 15:31

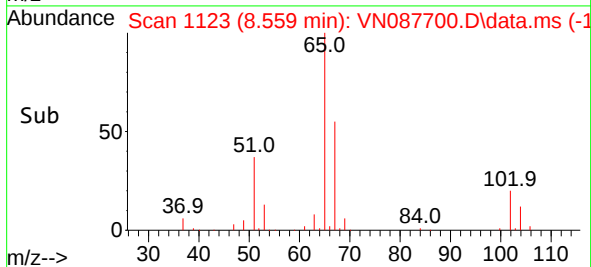
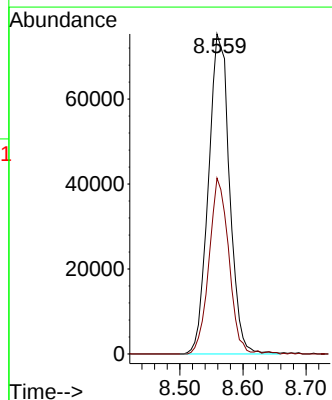
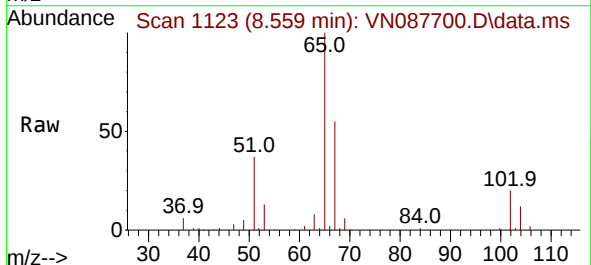
Instrument :
MSVOA_N
ClientSampleId :
IBLK

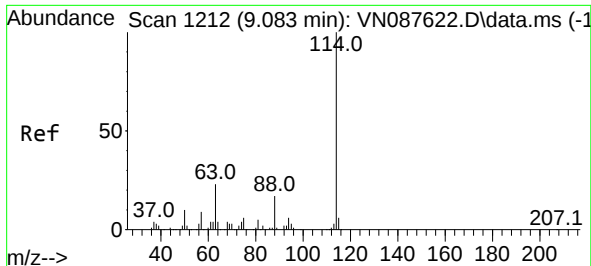
Tgt Ion: 56 Resp: 5043
Ion Ratio Lower Upper
56 100
69 123.2 23.7 35.5#
84 119.2 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 54.433 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087700.D
Acq: 29 Aug 2025 15:31

Tgt Ion: 65 Resp: 174717
Ion Ratio Lower Upper
65 100
67 51.4 0.0 100.0

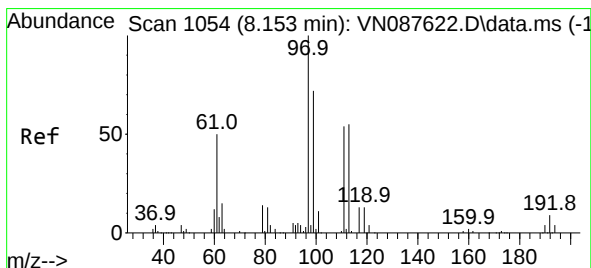
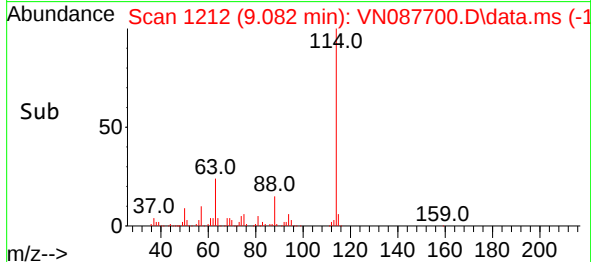
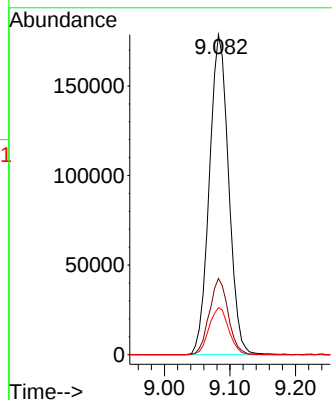
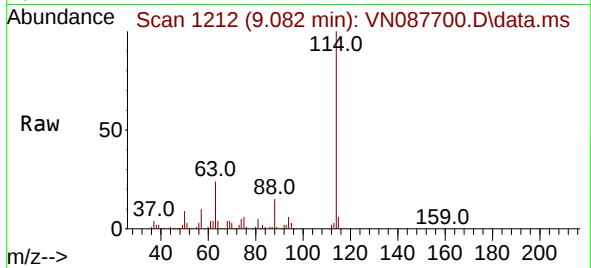




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087700.D
Acq: 29 Aug 2025 15:31

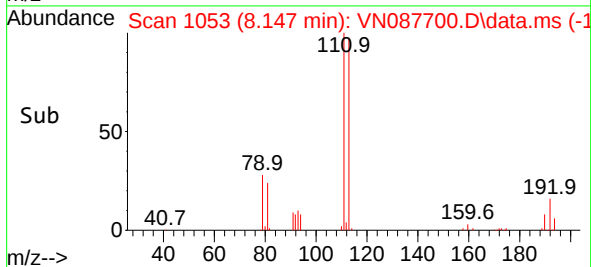
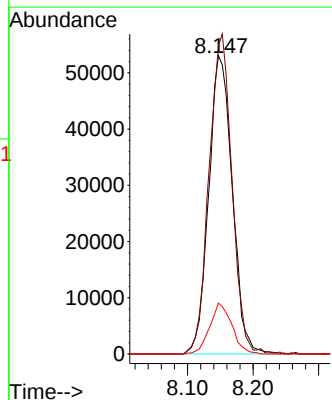
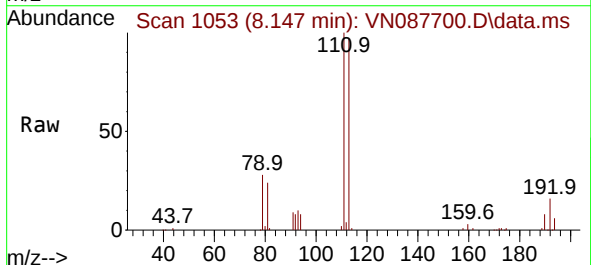
Instrument :
MSVOA_N
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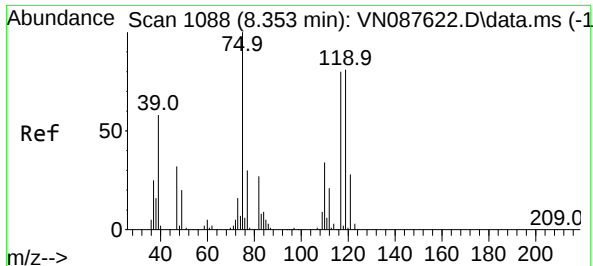
Tgt Ion:114 Resp: 364586
Ion Ratio Lower Upper
114 100
63 23.8 0.0 45.2
88 14.6 0.0 33.4



#35
Dibromofluoromethane
Concen: 50.270 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087700.D
Acq: 29 Aug 2025 15:31

Tgt Ion:113 Resp: 132325
Ion Ratio Lower Upper
113 100
111 104.4 82.8 124.2
192 16.1 12.8 19.2





#36

1,1-Dichloropropene

Concen: 3.897 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

Lab File: VN087700.D

Acq: 29 Aug 2025 15:31

Instrument :

MSVOA_N

ClientSampleId :

IBLK

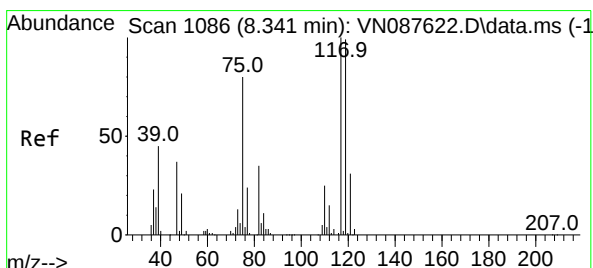
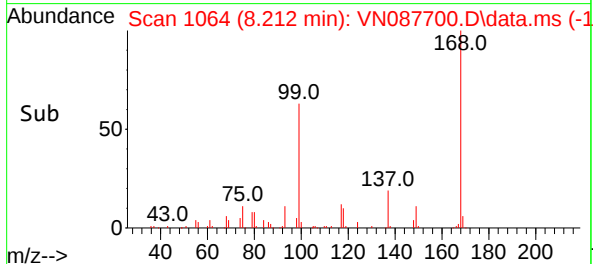
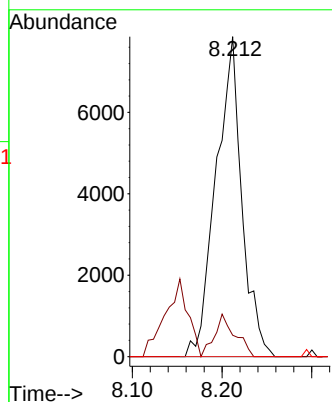
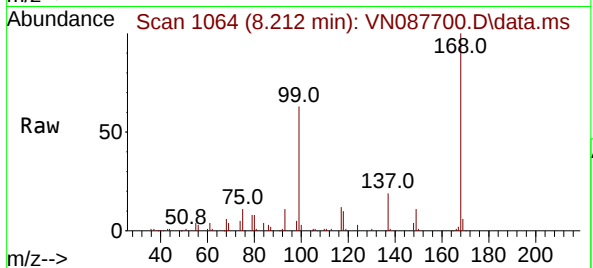
Tgt Ion: 75 Resp: 15736

Ion Ratio Lower Upper

75 100

110 10.6 15.9 47.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.613 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.135 min

Lab File: VN087700.D

Acq: 29 Aug 2025 15:31

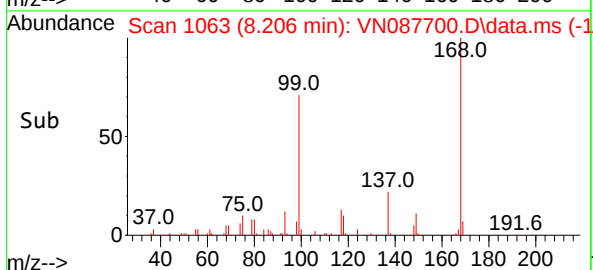
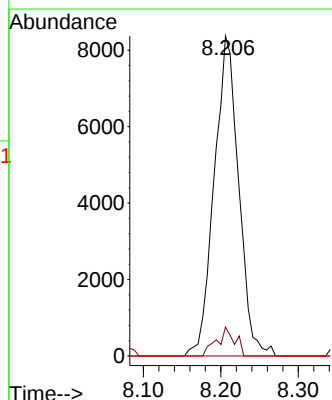
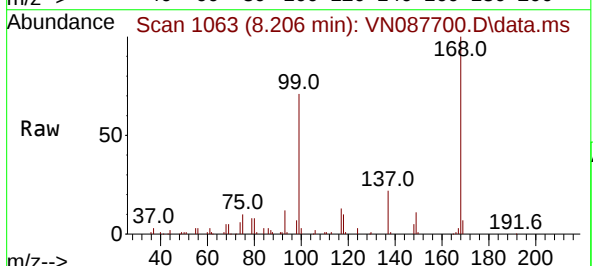
Tgt Ion: 117 Resp: 18393

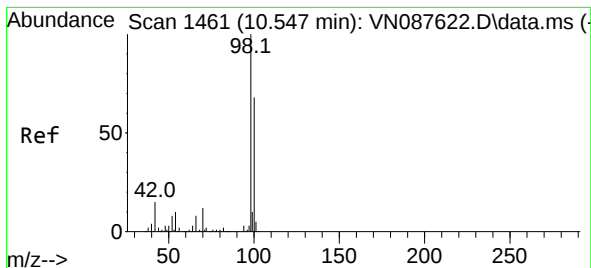
Ion Ratio Lower Upper

117 100

119 9.1 79.0 118.6#

121 0.0 25.0 37.6#





#50

Toluene-d8

Concen: 48.162 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VN087700.D

Acq: 29 Aug 2025 15:31

Instrument :

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ClientSampleId :

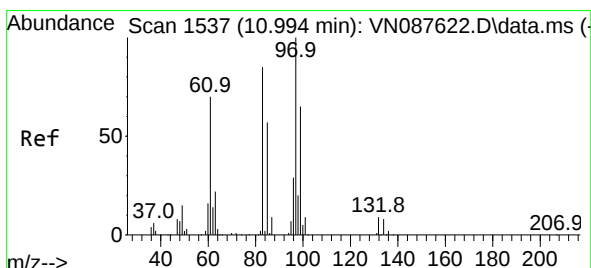
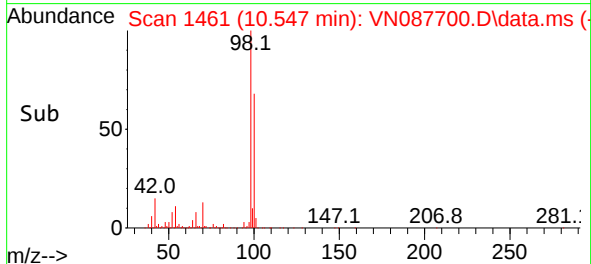
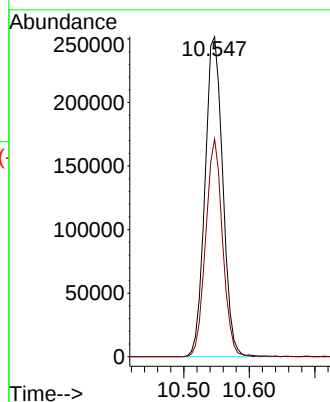
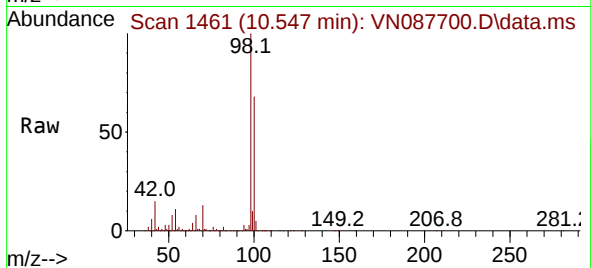
IBLK

Tgt Ion: 98 Resp: 474503

Ion Ratio Lower Upper

98 100

100 64.5 52.8 79.2



#55

1,1,2-Trichloroethane

Concen: 0.374 ug/l

RT: 11.023 min Scan# 1542

Delta R.T. 0.029 min

Lab File: VN087700.D

Acq: 29 Aug 2025 15:31

Tgt Ion: 97 Resp: 1110

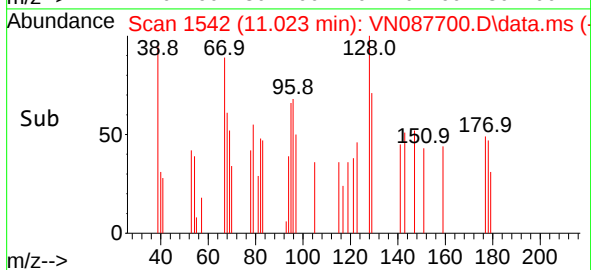
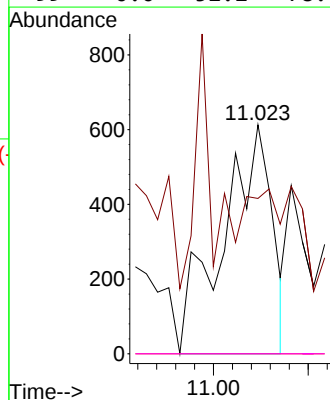
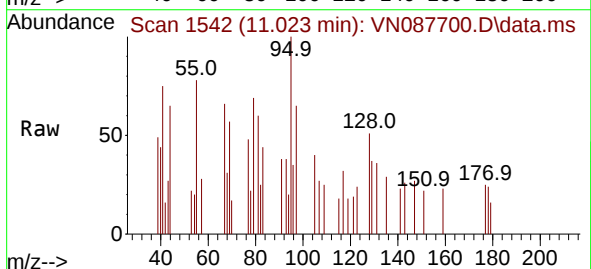
Ion Ratio Lower Upper

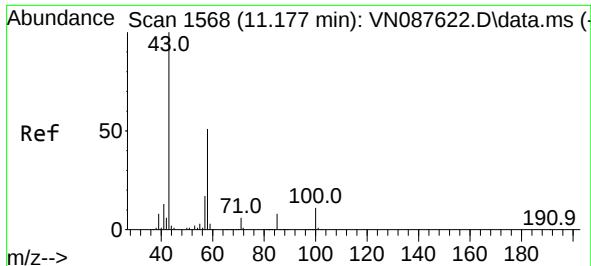
97 100

83 39.5 68.2 102.4#

85 0.0 45.5 68.3#

99 0.0 52.2 78.4#

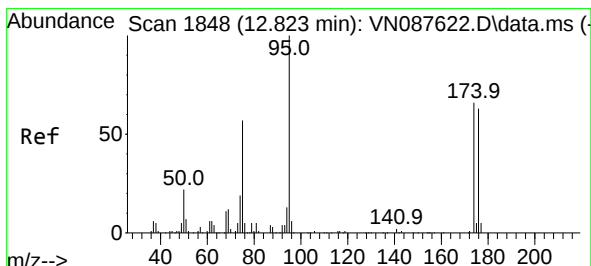
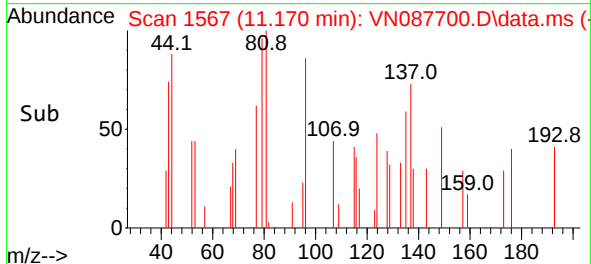
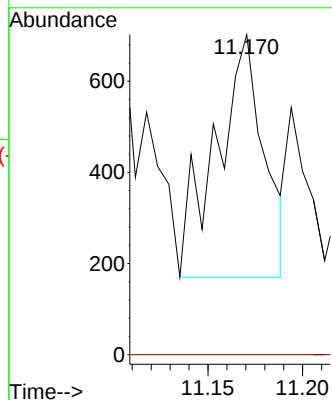
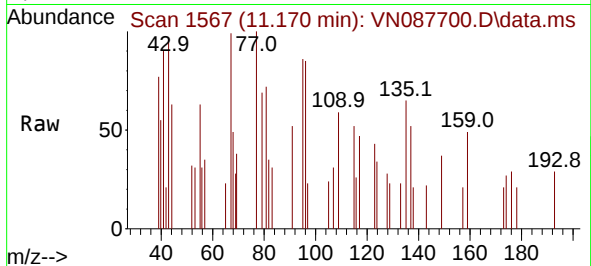




#59
2-Hexanone
Concen: 0.284 ug/l
RT: 11.170 min Scan# 111
Delta R.T. -0.006 min
Lab File: VN087700.D
Acq: 29 Aug 2025 15:31

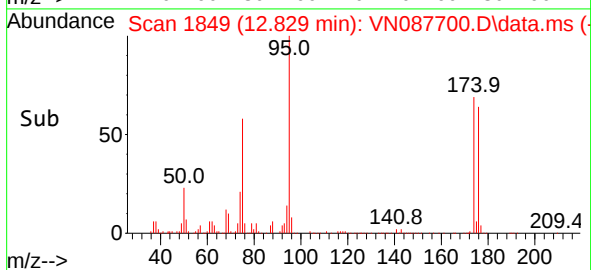
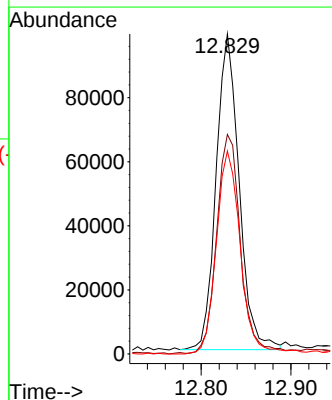
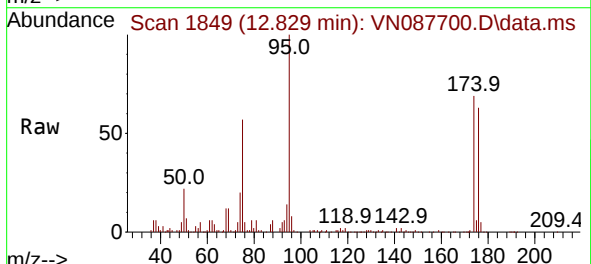
Instrument :
MSVOA_N
ClientSampleId :
IBLK

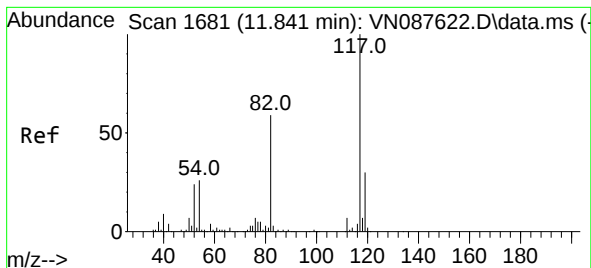
Tgt Ion: 43 Resp: 934
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 50.063 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087700.D
Acq: 29 Aug 2025 15:31

Tgt Ion: 95 Resp: 175410
Ion Ratio Lower Upper
95 100
174 71.7 0.0 138.4
176 67.6 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.847 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087700.D

Acq: 29 Aug 2025 15:31

Instrument :

MSVOA_N

ClientSampleId :

IBLK

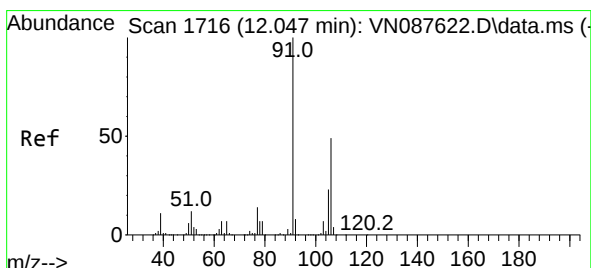
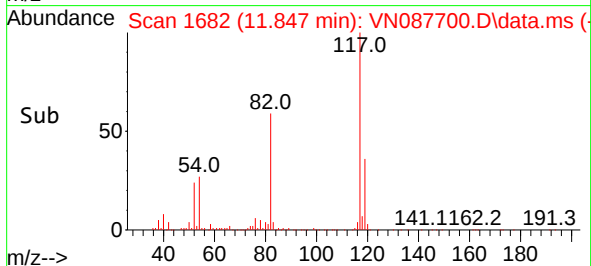
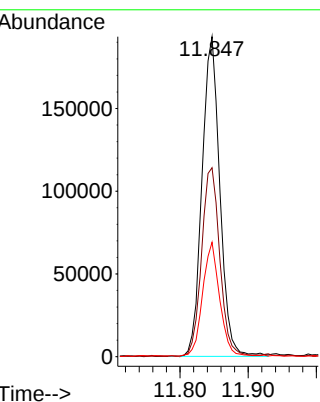
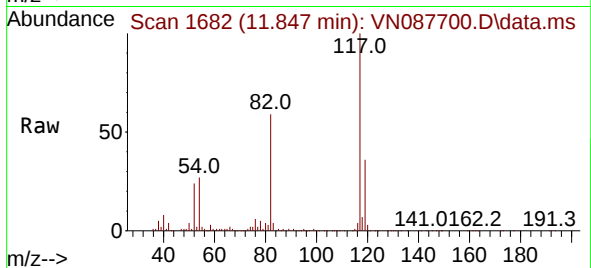
Tgt Ion:117 Resp: 352328

Ion Ratio Lower Upper

117 100

82 58.9 47.4 71.2

119 35.6 24.3 36.5



#68

m/p-Xylenes

Concen: 0.206 ug/l

RT: 12.047 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VN087700.D

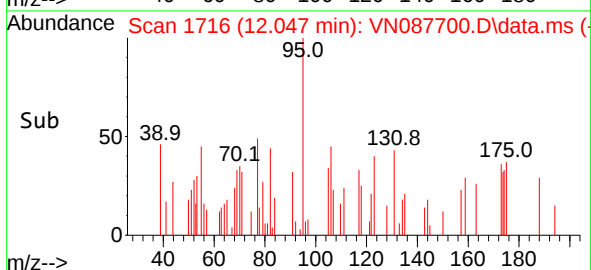
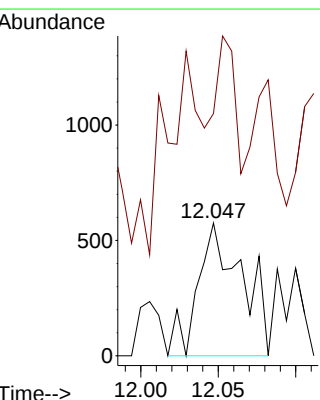
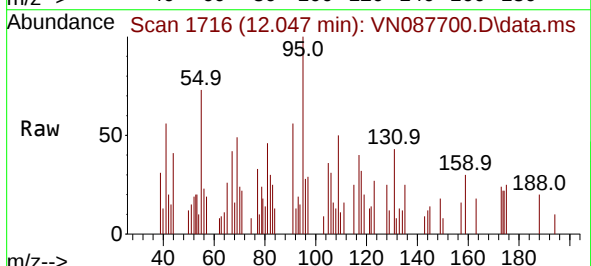
Acq: 29 Aug 2025 15:31

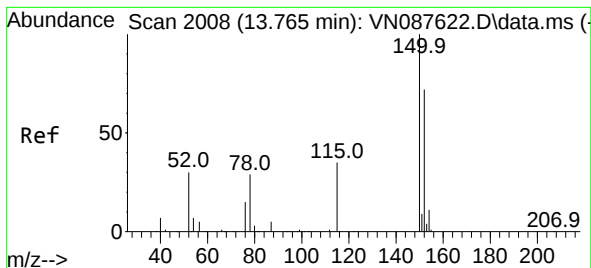
Tgt Ion:106 Resp: 1144

Ion Ratio Lower Upper

106 100

91 55.2 169.3 253.9#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2008

Delta R.T. 0.006 min

Lab File: VN087700.D

Acq: 29 Aug 2025 15:31

Instrument :

MSVOA_N

ClientSampleId :

IBLK

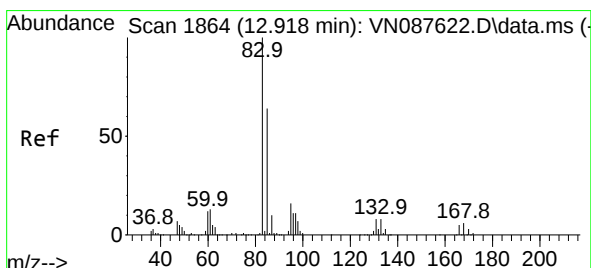
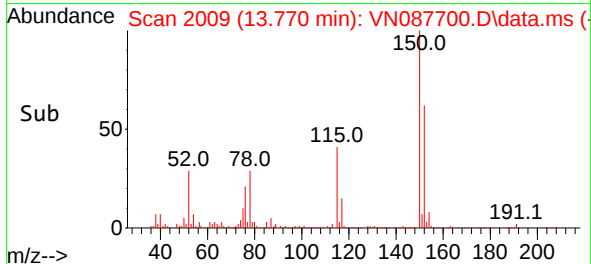
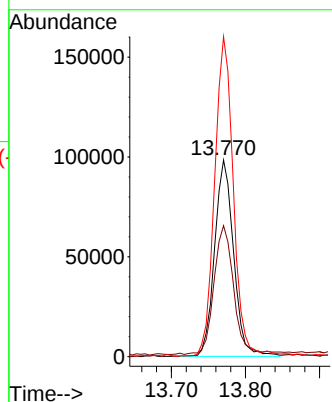
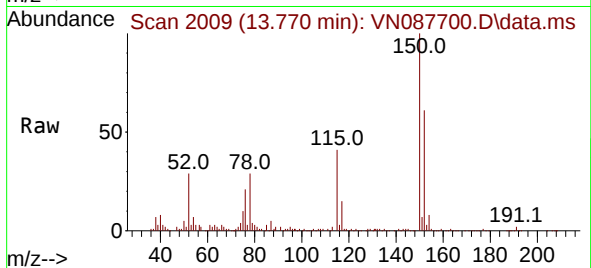
Tgt Ion:152 Resp: 175083

Ion Ratio Lower Upper

152 100

115 67.0 32.3 96.8

150 160.4 0.0 351.0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.319 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. 0.017 min

Lab File: VN087700.D

Acq: 29 Aug 2025 15:31

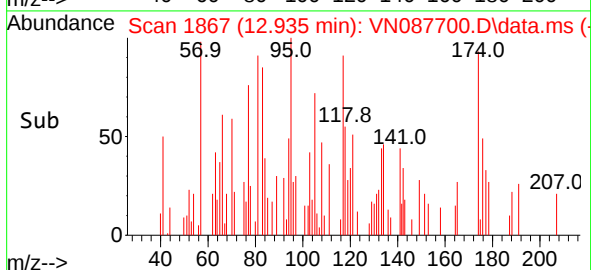
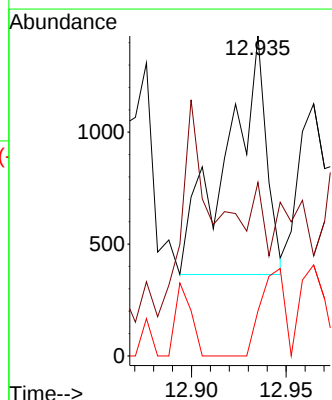
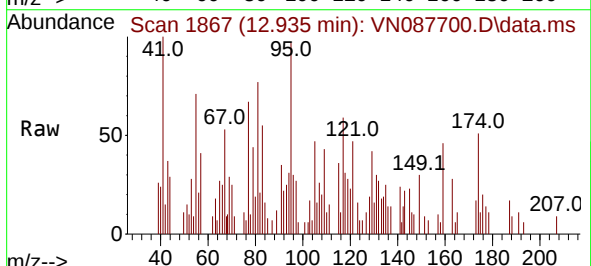
Tgt Ion: 83 Resp: 1553

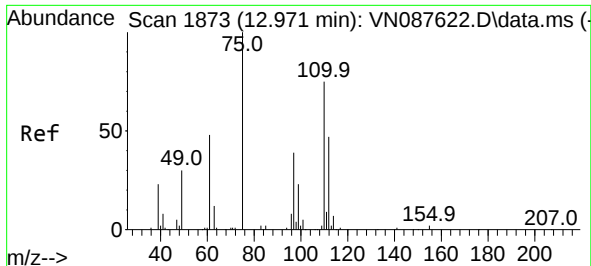
Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.4#

85 21.5 32.1 96.3#

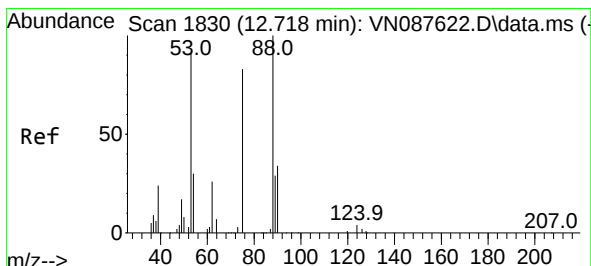
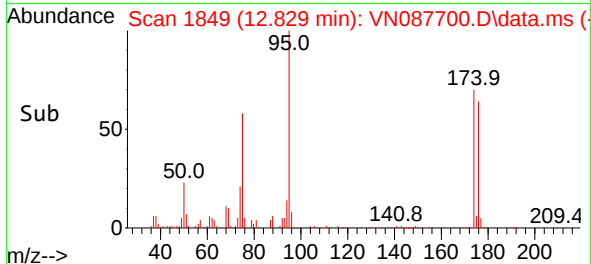
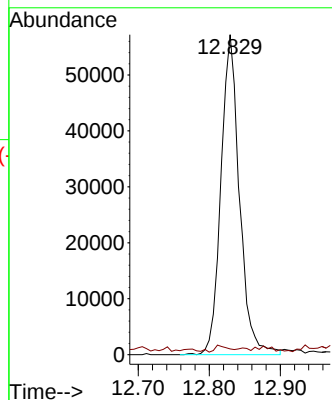
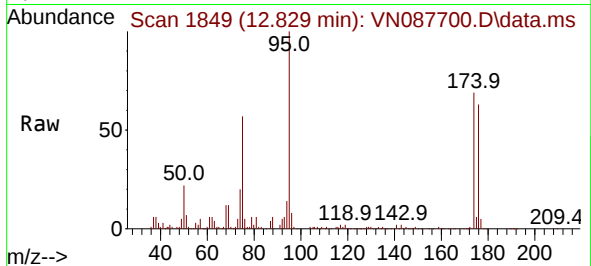




#76
1,2,3-Trichloropropane
Concen: 25.193 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087700.D
Acq: 29 Aug 2025 15:31

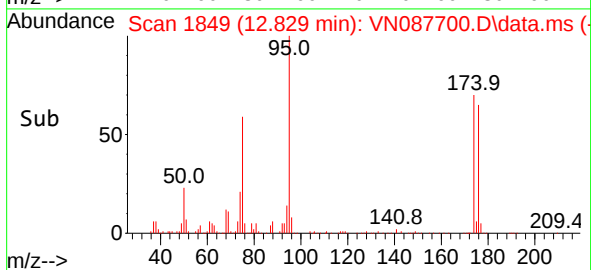
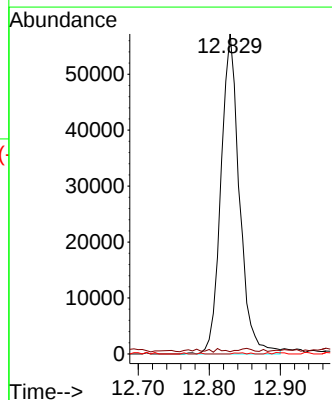
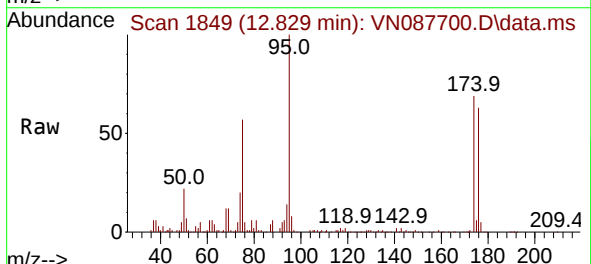
Instrument :
MSVOA_N
ClientSampleId :
IBLK

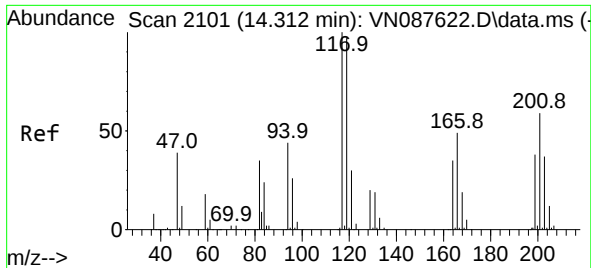
Tgt Ion: 75 Resp: 103438
Ion Ratio Lower Upper
75 100
77 0.4 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.696 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087700.D
Acq: 29 Aug 2025 15:31

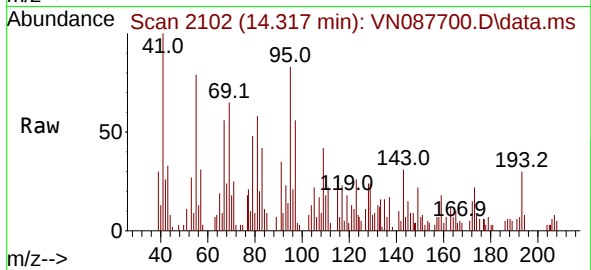
Tgt Ion: 75 Resp: 103438
Ion Ratio Lower Upper
75 100
53 0.5 101.8 152.6#
89 0.0 35.6 53.4#





#90
Hexachloroethane
Concen: 0.372 ug/l
RT: 14.317 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN087700.D
Acq: 29 Aug 2025 15:31

Instrument :
MSVOA_N
ClientSampleId :
IBLK



Tgt Ion:117 Resp: 869
Ion Ratio Lower Upper
117 100
201 0.0 29.1 87.4#

