

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
 Data File : VN088194.D
 Acq On : 31 Oct 2025 17:07
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Nov 01 00:38:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	256403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	582234	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	559346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	274417	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	263863	59.512	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	119.020%
35) Dibromofluoromethane	8.153	113	197725	50.550	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.100%
50) Toluene-d8	10.541	98	750093	49.769	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.540%
62) 4-Bromofluorobenzene	12.829	95	305359	57.369	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	114.740%

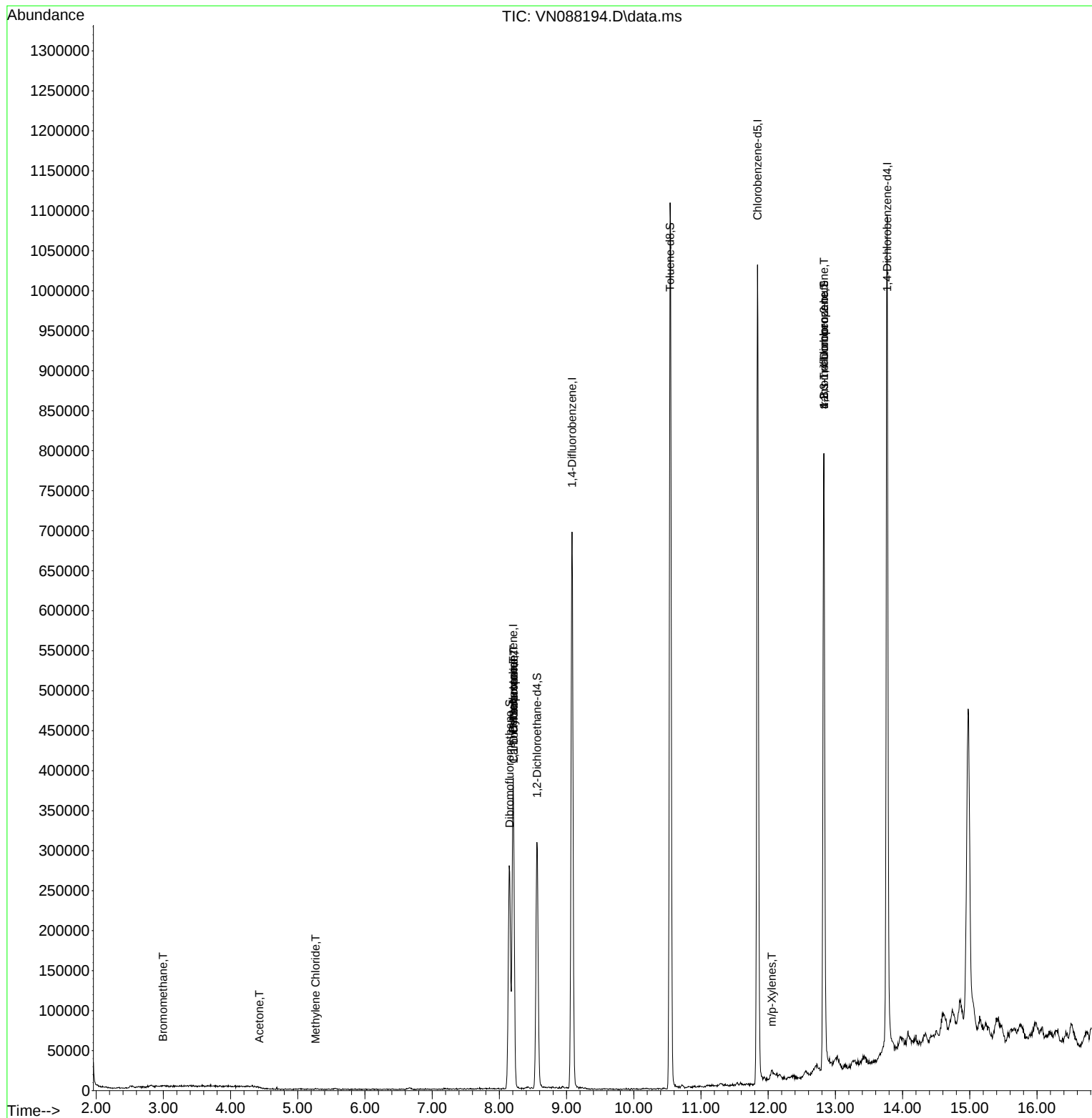
Target Compounds					Qvalue	
5) Bromomethane	2.995	94	526	0.237	ug/l	91
16) Acetone	4.430	43	2039	0.915	ug/l #	47
20) Methylene Chloride	5.265	84	261	0.847	ug/l #	71
31) Cyclohexane	8.206	56	7834	1.262	ug/l #	3
36) 1,1-Dichloropropene	8.212	75	26271	4.600	ug/l #	51
38) Carbon Tetrachloride	8.212	117	30670	5.199	ug/l #	14
68) m/p-Xylenes	12.053	106	2766	0.331	ug/l	96
76) 1,2,3-Trichloropropane	12.829	75	174598	27.829	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	174598	77.629	ug/l #	1

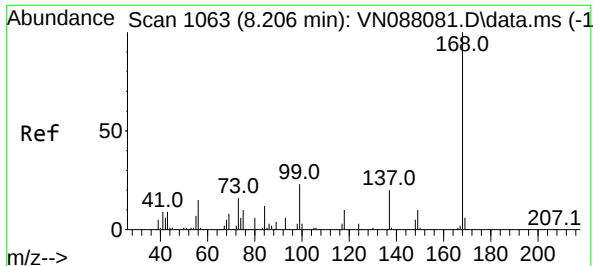
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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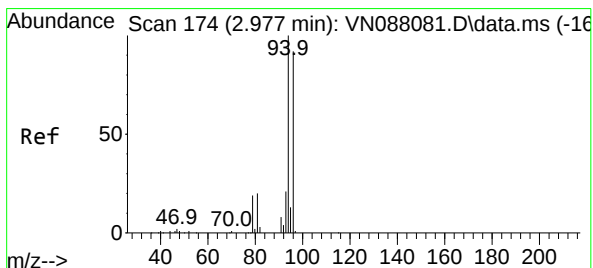
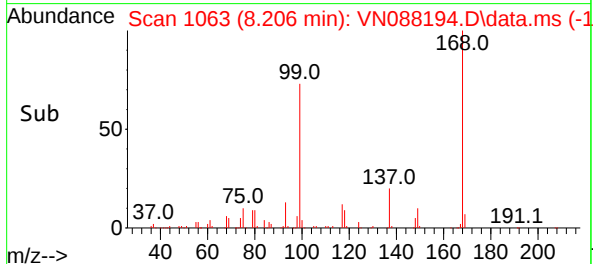
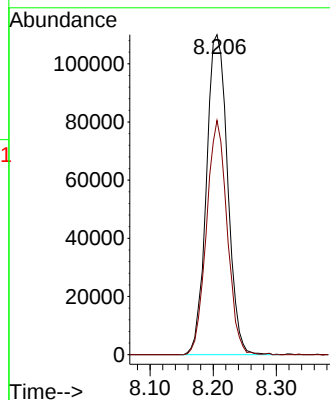
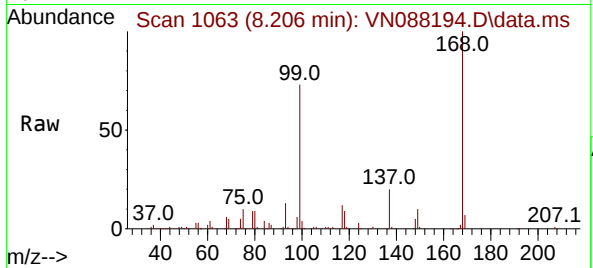




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088194.D
Acq: 31 Oct 2025 17:07

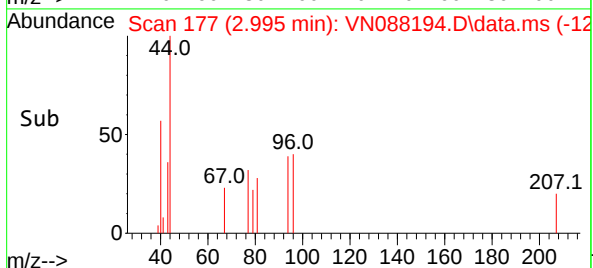
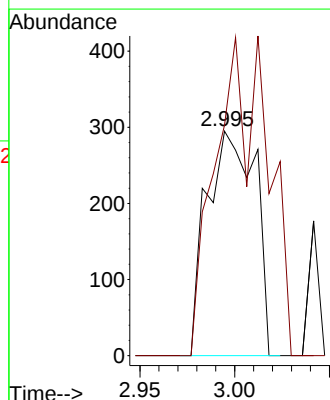
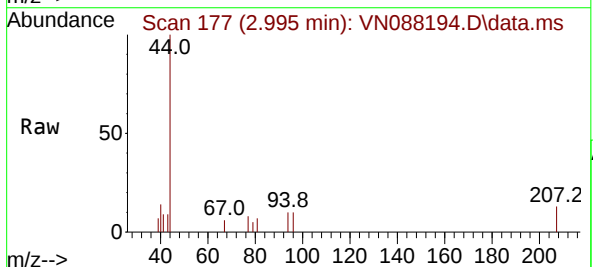
Instrument :
MSVOA_N
ClientSampleId :
IBLK

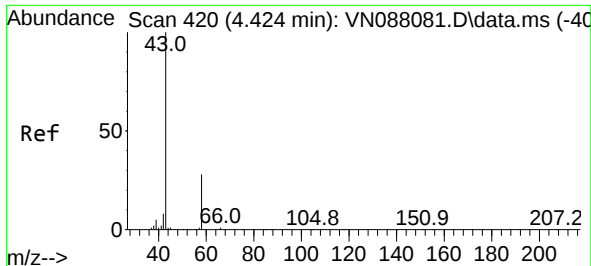
Tgt Ion:168 Resp: 256403
Ion Ratio Lower Upper
168 100
99 73.2 57.2 85.8



#5
Bromomethane
Concen: 0.237 ug/l
RT: 2.995 min Scan# 177
Delta R.T. 0.023 min
Lab File: VN088194.D
Acq: 31 Oct 2025 17:07

Tgt Ion: 94 Resp: 526
Ion Ratio Lower Upper
94 100
96 102.7 75.4 113.2

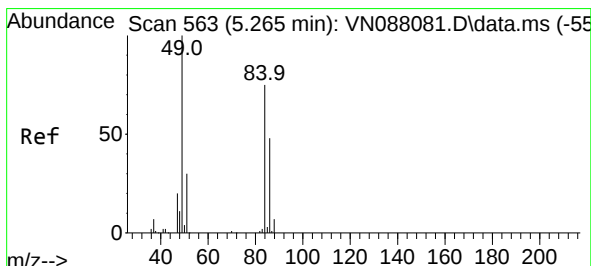
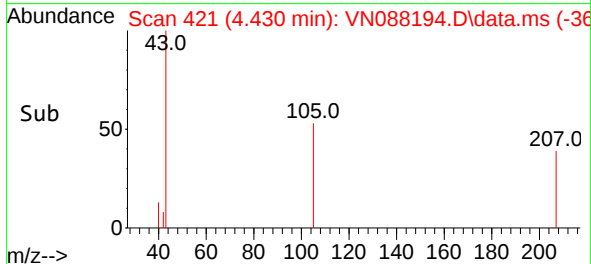
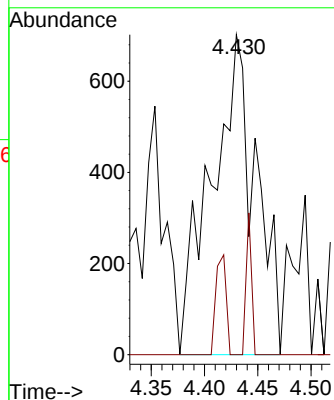
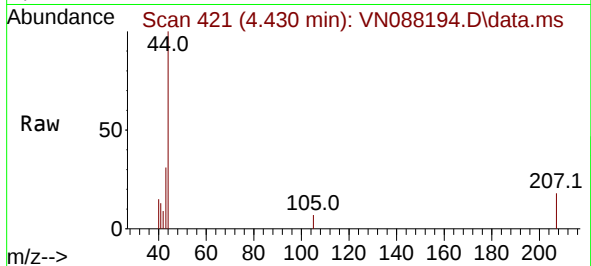




#16
Acetone
Concen: 0.915 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN088194.D
Acq: 31 Oct 2025 17:07

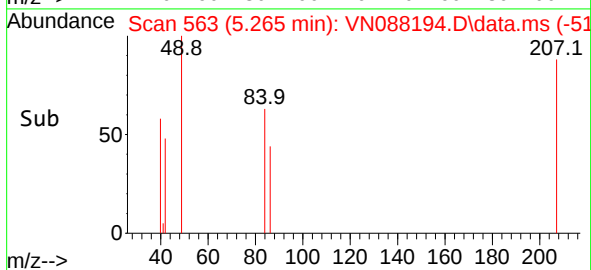
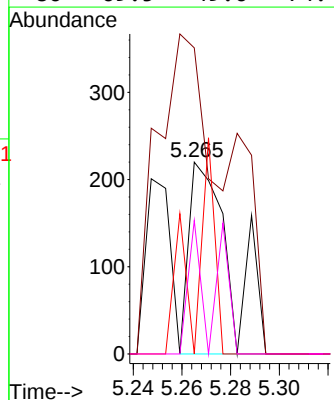
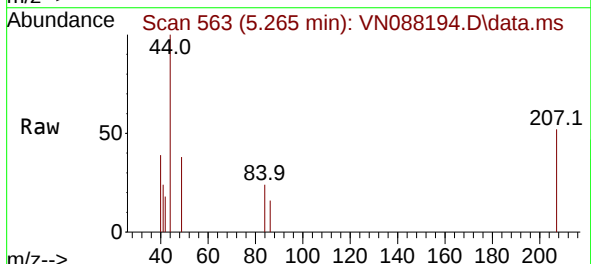
Instrument :
MSVOA_N
ClientSampleId :
IBLK

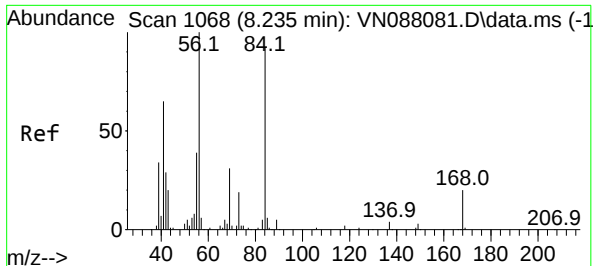
Tgt Ion: 43 Resp: 2039
Ion Ratio Lower Upper
43 100
58 0.0 22.6 33.8#



#20
Methylene Chloride
Concen: 0.847 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN088194.D
Acq: 31 Oct 2025 17:07

Tgt Ion: 84 Resp: 261
Ion Ratio Lower Upper
84 100
49 159.5 103.4 155.2#
51 0.0 33.8 50.8#
86 69.5 49.6 74.4

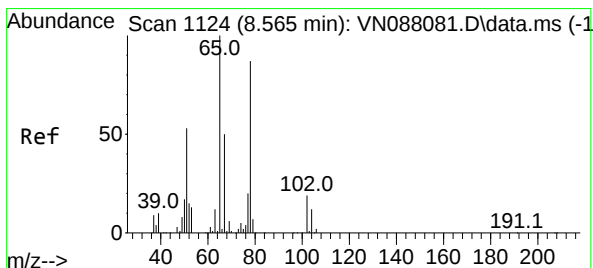
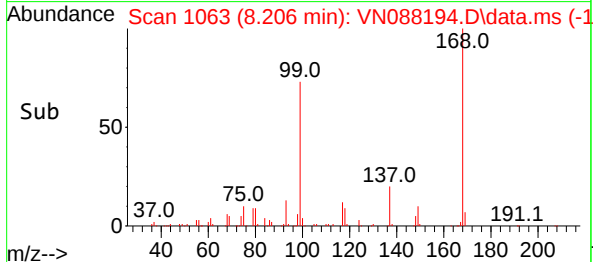
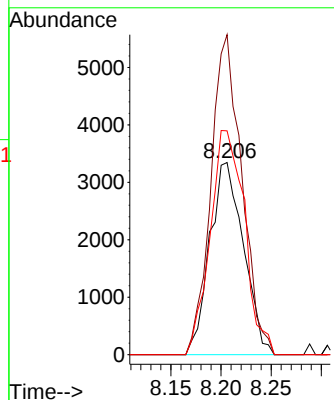
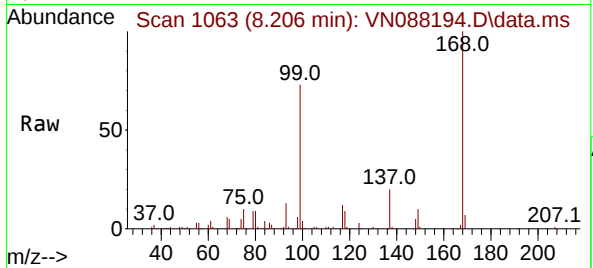




#31
Cyclohexane
Concen: 1.262 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN088194.D
Acq: 31 Oct 2025 17:07

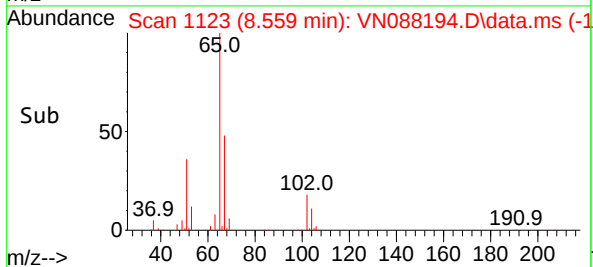
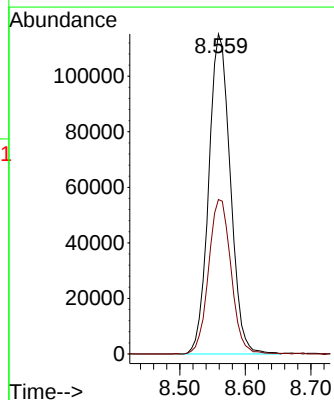
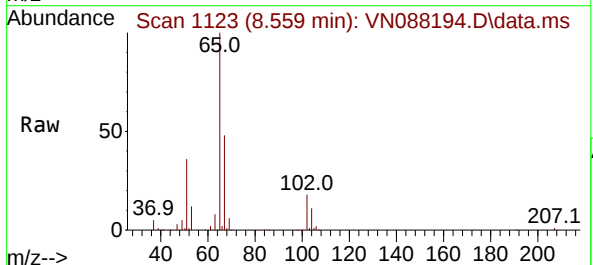
Instrument :
MSVOA_N
ClientSampleId :
IBLK

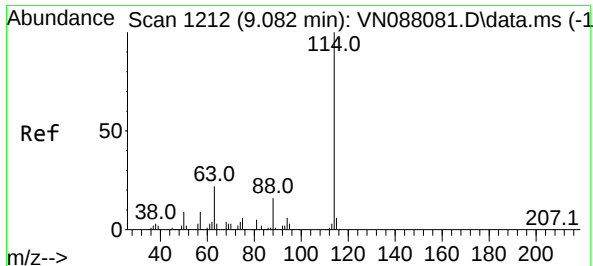
Tgt Ion: 56 Resp: 7834
Ion Ratio Lower Upper
56 100
69 166.5 23.7 35.5#
84 116.4 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 59.512 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088194.D
Acq: 31 Oct 2025 17:07

Tgt Ion: 65 Resp: 263863
Ion Ratio Lower Upper
65 100
67 50.1 0.0 100.0

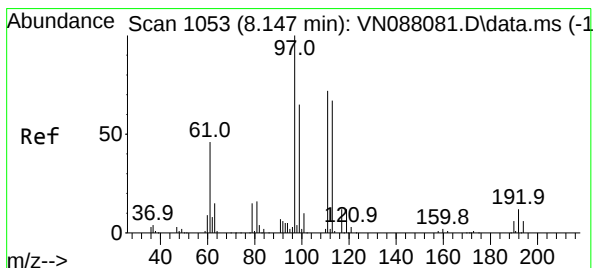
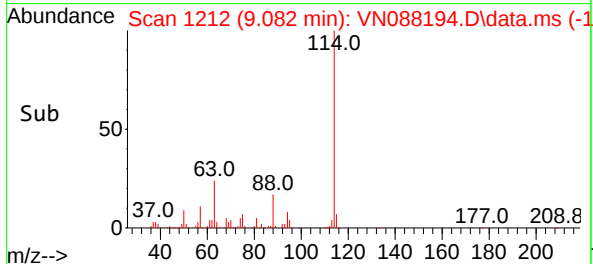
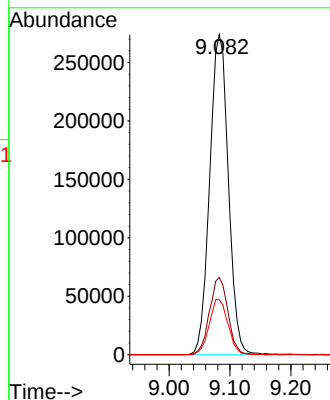
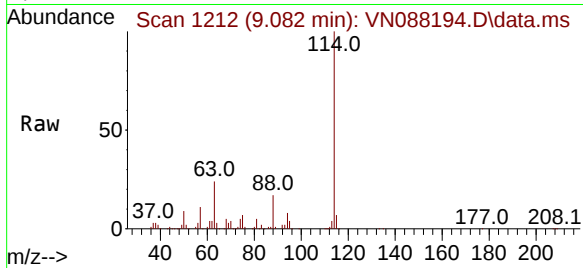




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088194.D
Acq: 31 Oct 2025 17:07

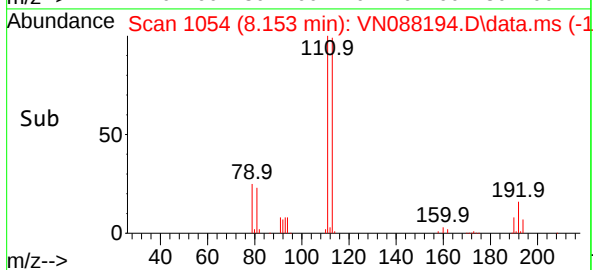
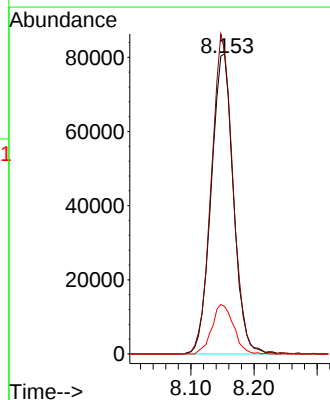
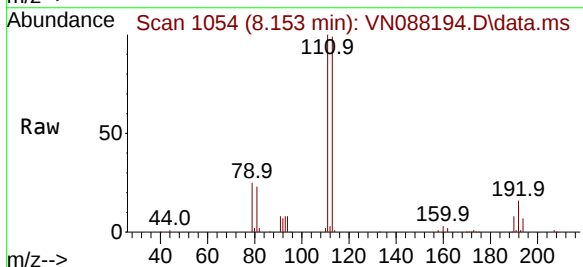
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MSVOA_N
ClientSampleId :
IBLK

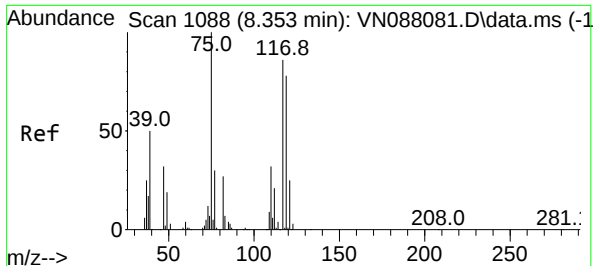
Tgt Ion:114 Resp: 582234
Ion Ratio Lower Upper
114 100
63 24.2 0.0 45.2
88 17.2 0.0 33.4



#35
Dibromofluoromethane
Concen: 50.550 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN088194.D
Acq: 31 Oct 2025 17:07

Tgt Ion:113 Resp: 197725
Ion Ratio Lower Upper
113 100
111 103.3 82.8 124.2
192 16.1 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.600 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

Lab File: VN088194.D

Acq: 31 Oct 2025 17:07

Instrument :

MSVOA_N

ClientSampleId :

IBLK

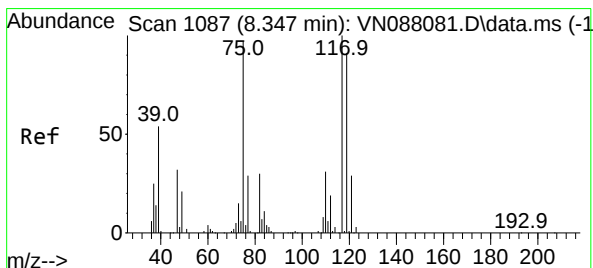
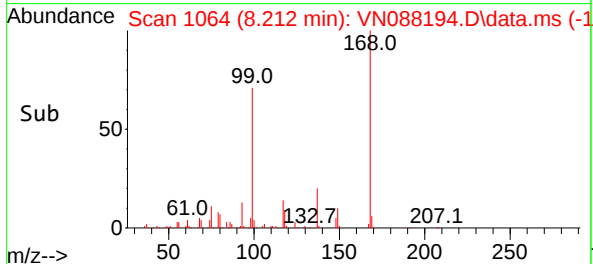
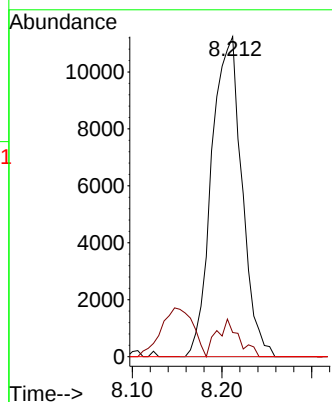
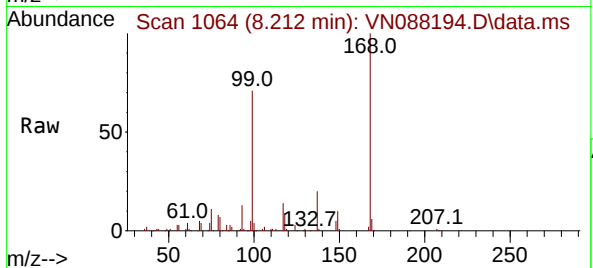
Tgt Ion: 75 Resp: 26271

Ion Ratio Lower Upper

75 100

110 8.5 15.9 47.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.199 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.130 min

Lab File: VN088194.D

Acq: 31 Oct 2025 17:07

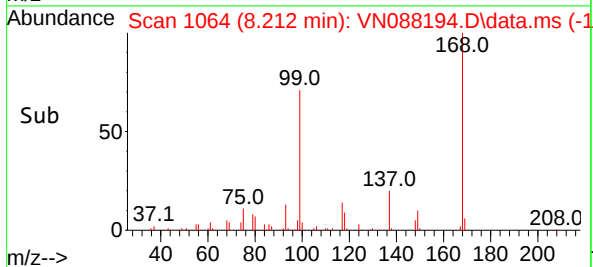
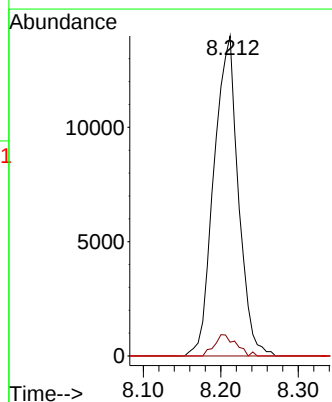
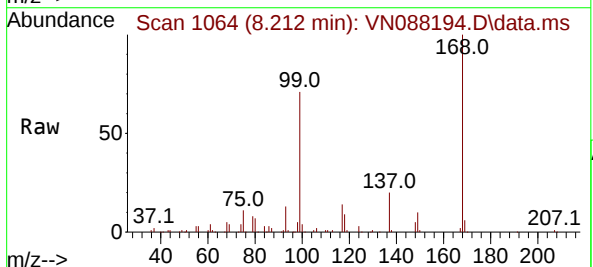
Tgt Ion: 117 Resp: 30670

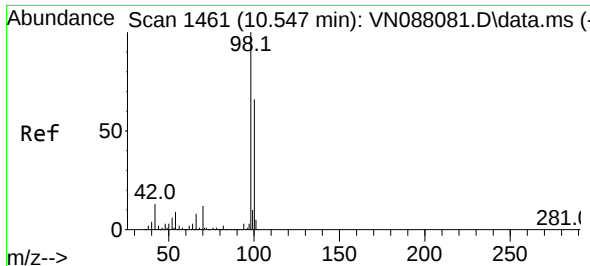
Ion Ratio Lower Upper

117 100

119 4.3 79.0 118.6#

121 0.0 25.0 37.6#

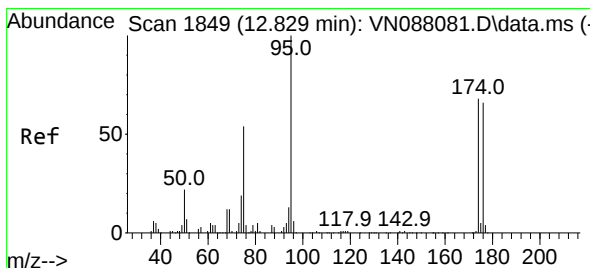
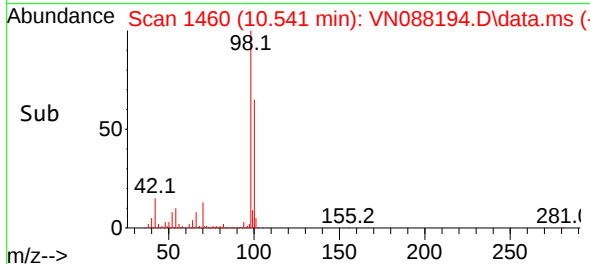
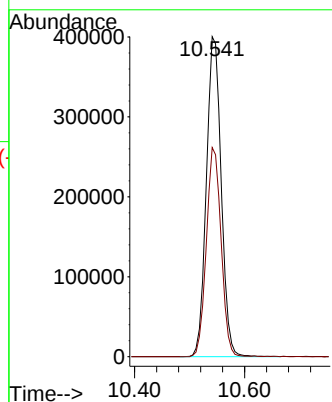
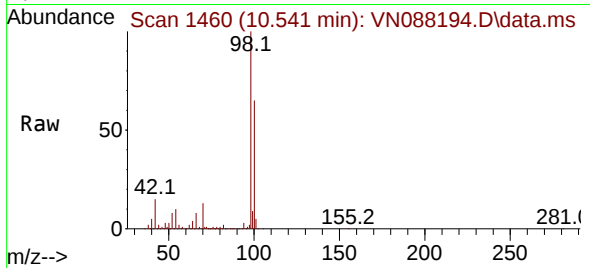




#50
Toluene-d8
Concen: 49.769 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088194.D
Acq: 31 Oct 2025 17:07

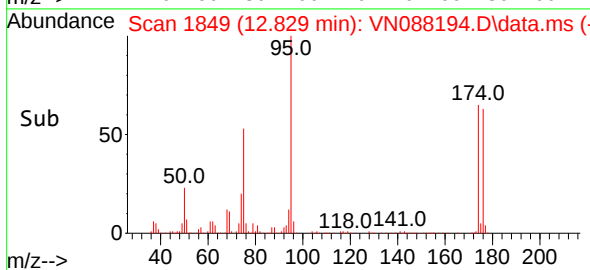
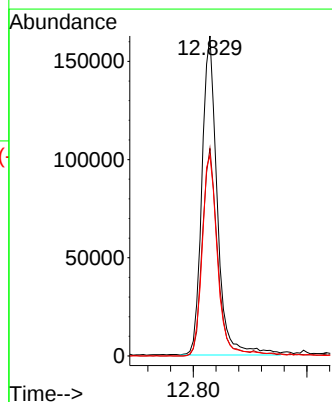
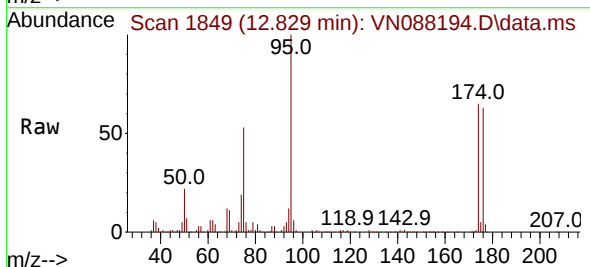
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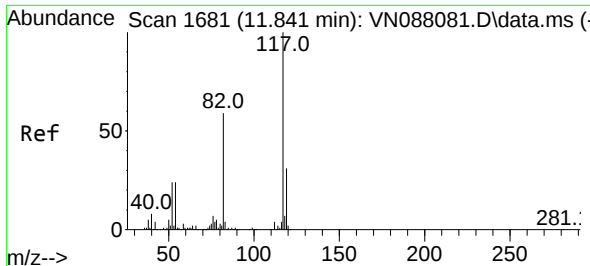
Tgt Ion: 98 Resp: 750093
Ion Ratio Lower Upper
98 100
100 64.8 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 57.369 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088194.D
Acq: 31 Oct 2025 17:07

Tgt Ion: 95 Resp: 305359
Ion Ratio Lower Upper
95 100
174 63.7 0.0 138.4
176 63.7 0.0 132.6

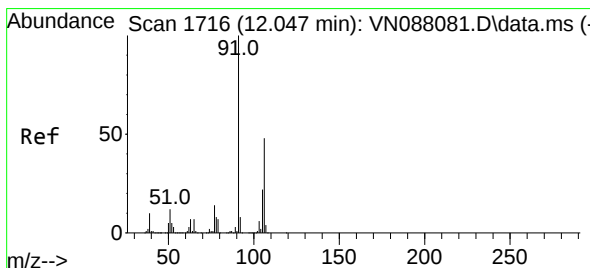
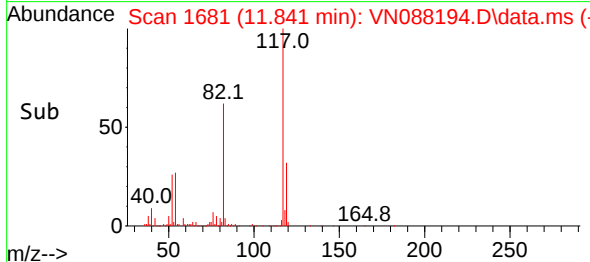
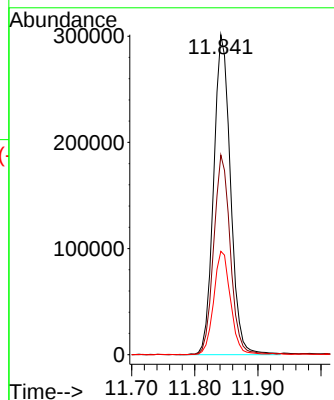
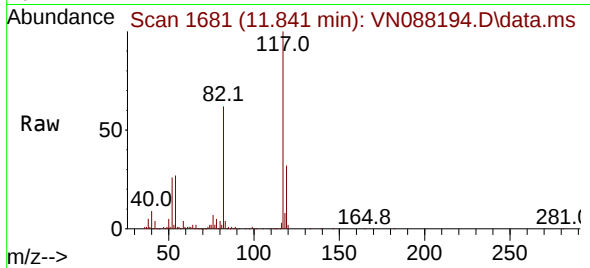




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN088194.D
Acq: 31 Oct 2025 17:07

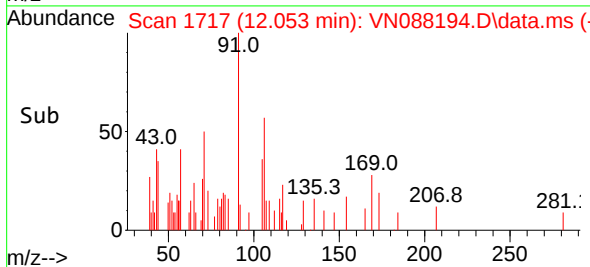
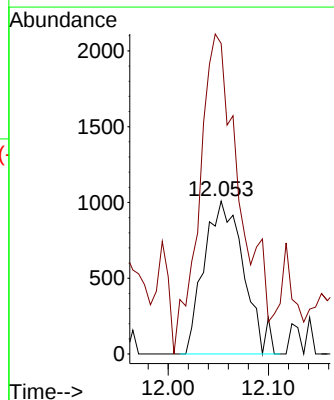
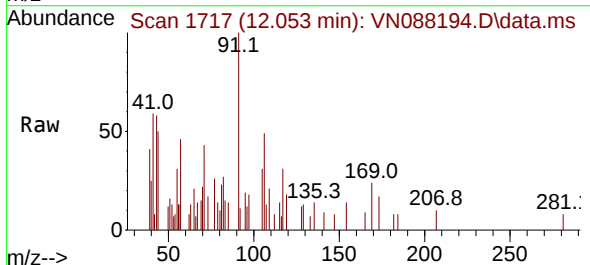
Instrument :
MSVOA_N
ClientSampleId :
IBLK

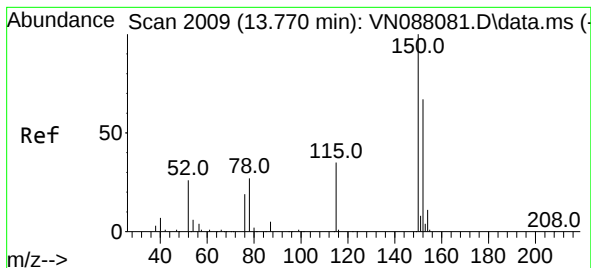
Tgt Ion:117 Resp: 559346
Ion Ratio Lower Upper
117 100
82 62.4 47.4 71.2
119 32.2 24.3 36.5



#68
m/p-Xylenes
Concen: 0.331 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VN088194.D
Acq: 31 Oct 2025 17:07

Tgt Ion:106 Resp: 2766
Ion Ratio Lower Upper
106 100
91 218.0 169.3 253.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VN088194.D

Acq: 31 Oct 2025 17:07

Instrument :

MSVOA_N

ClientSampleId :

IBLK

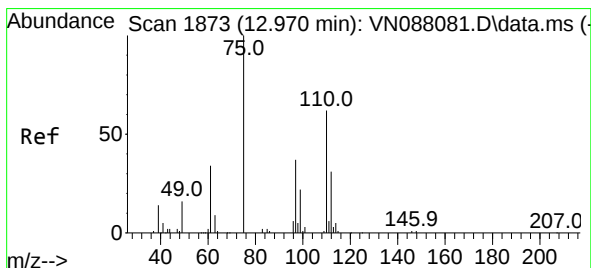
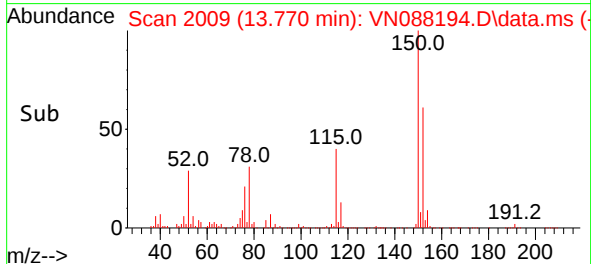
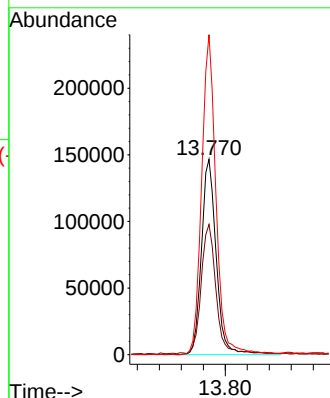
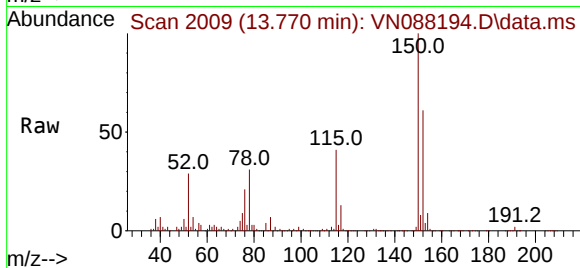
Tgt Ion:152 Resp: 274417

Ion Ratio Lower Upper

152 100

115 65.2 32.3 96.8

150 158.6 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 27.829 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN088194.D

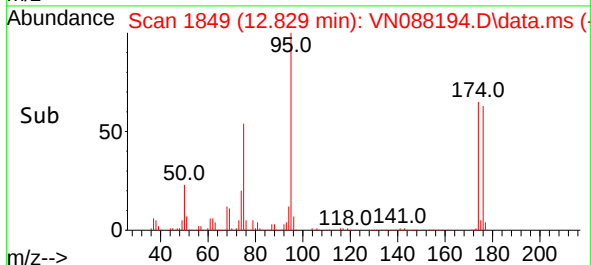
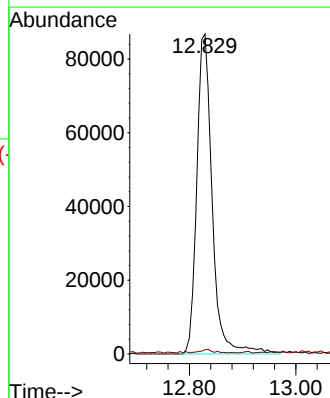
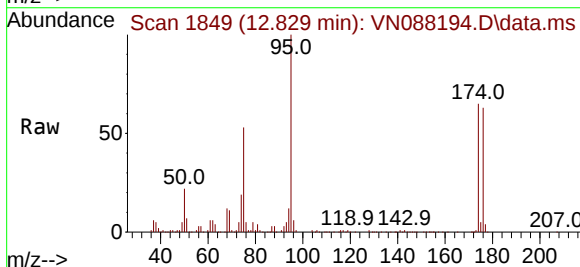
Acq: 31 Oct 2025 17:07

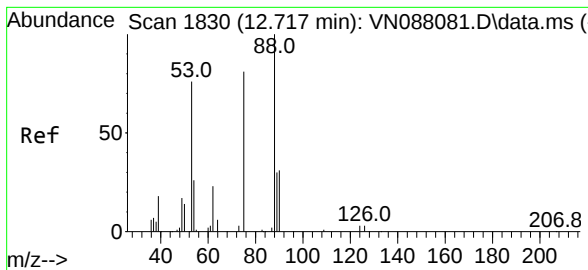
Tgt Ion: 75 Resp: 174598

Ion Ratio Lower Upper

75 100

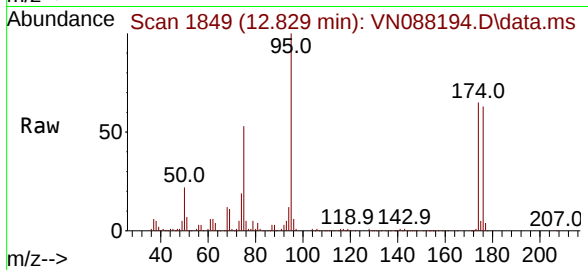
77 0.9 89.1 267.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.629 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN088194.D
 Acq: 31 Oct 2025 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion: 75 Resp: 174598
 Ion Ratio Lower Upper
 75 100
 53 0.2 101.8 152.6#
 89 0.0 35.6 53.4#

