

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111225\
 Data File : VN088272.D
 Acq On : 12 Nov 2025 13:34
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Nov 14 00:12:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

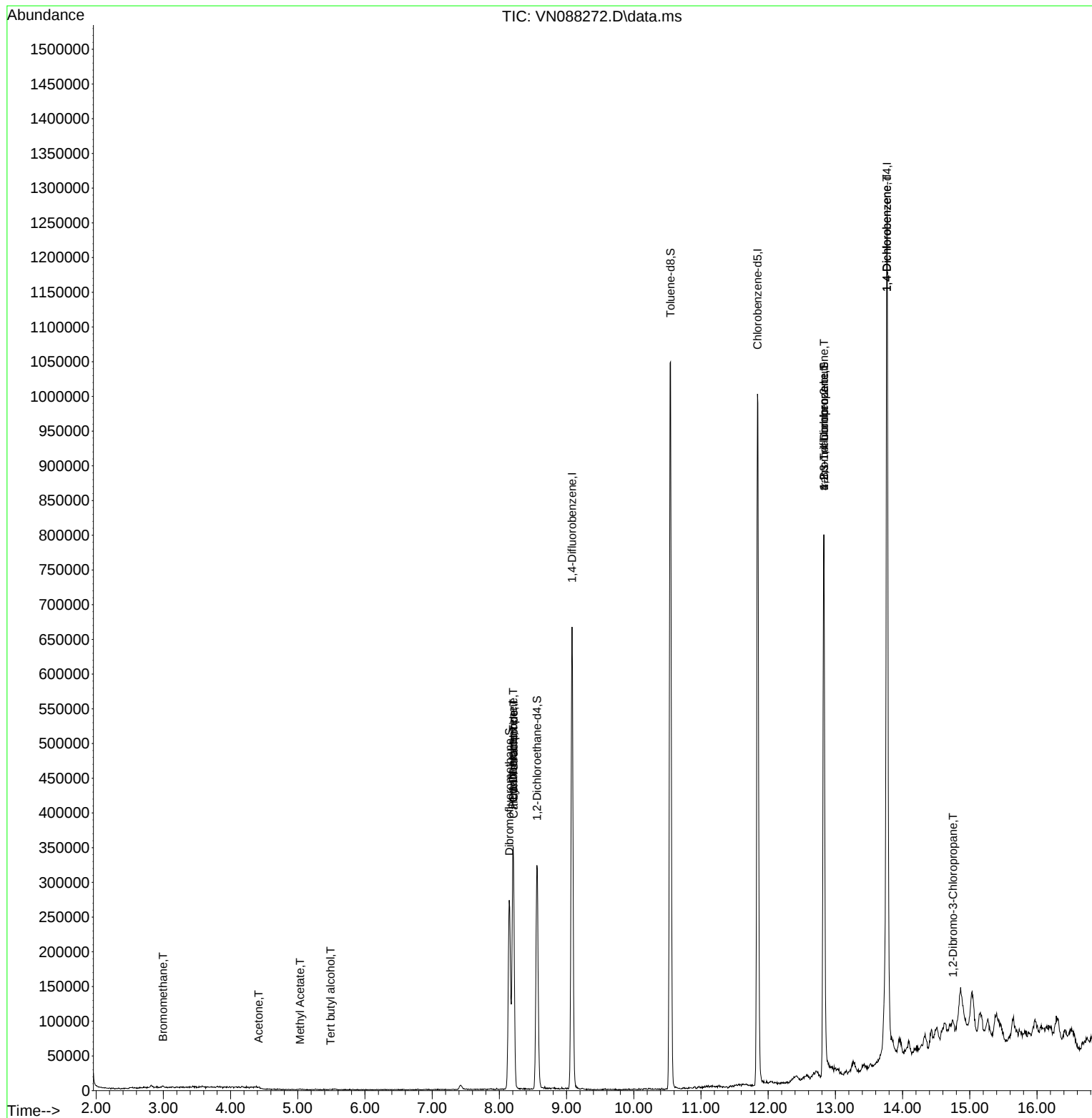
Internal Standards						
1) Pentafluorobenzene	8.200	168	236777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	548560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	545410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	286212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	275370	67.256	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 134.520%#	
35) Dibromofluoromethane	8.147	113	195141	52.952	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.900%	
50) Toluene-d8	10.547	98	710159	50.012	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.020%	
62) 4-Bromofluorobenzene	12.829	95	295780	58.980	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 117.960%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.995	94	902	0.440	ug/l	99
11) Tert butyl alcohol	5.489	59	342	0.485	ug/l #	71
16) Acetone	4.418	43	2600	1.264	ug/l #	78
18) Methyl Acetate	5.036	43	1769	0.420	ug/l #	61
31) Cyclohexane	8.206	56	7736	1.350	ug/l #	35
36) 1,1-Dichloropropene	8.206	75	22586	4.197	ug/l #	53
38) Carbon Tetrachloride	8.212	117	28562	5.139	ug/l #	16
76) 1,2,3-Trichloropropane	12.829	75	169580	25.915	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	169580	72.291	ug/l #	1
88) 1,4-Dichlorobenzene	13.765	146	2174	0.213	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.753	75	382	0.239	ug/l	88

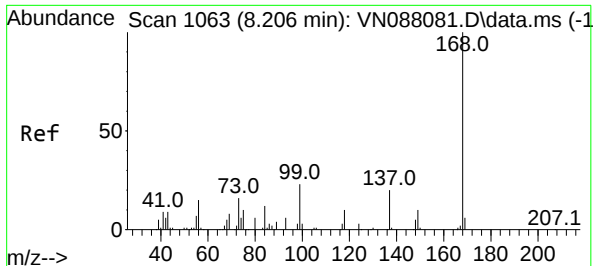
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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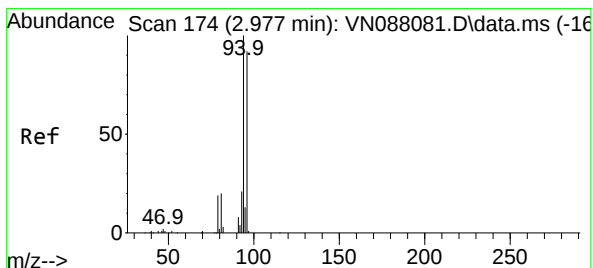
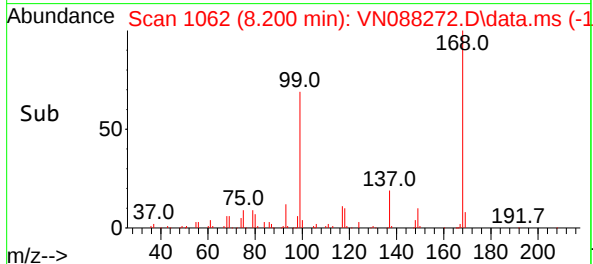
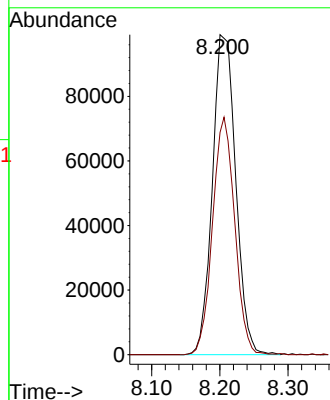
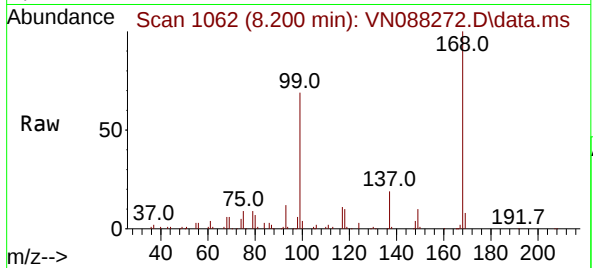




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088272.D
Acq: 12 Nov 2025 13:34

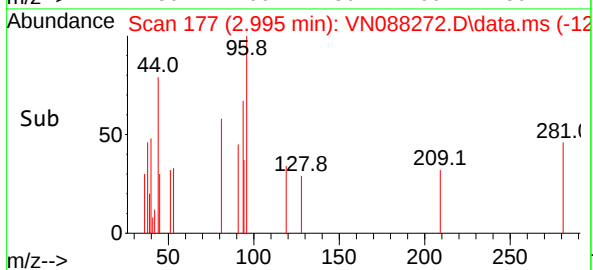
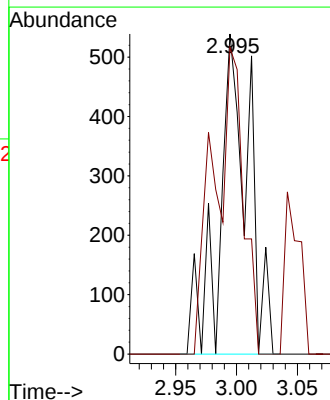
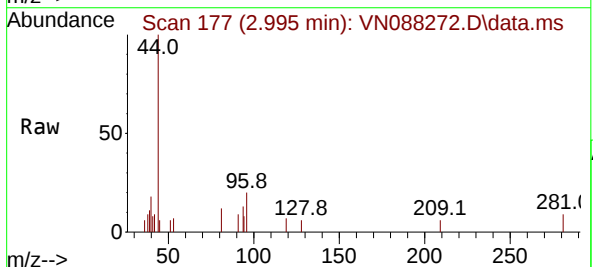
Instrument :
MSVOA_N
ClientSampleId :
IBLK

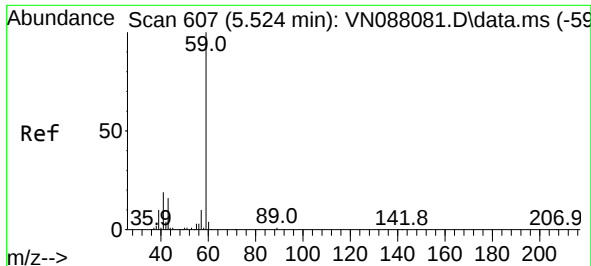
Tgt Ion:168 Resp: 236777
Ion Ratio Lower Upper
168 100
99 69.5 57.2 85.8



#5
Bromomethane
Concen: 0.440 ug/l
RT: 2.995 min Scan# 177
Delta R.T. 0.023 min
Lab File: VN088272.D
Acq: 12 Nov 2025 13:34

Tgt Ion: 94 Resp: 902
Ion Ratio Lower Upper
94 100
96 95.7 75.4 113.2

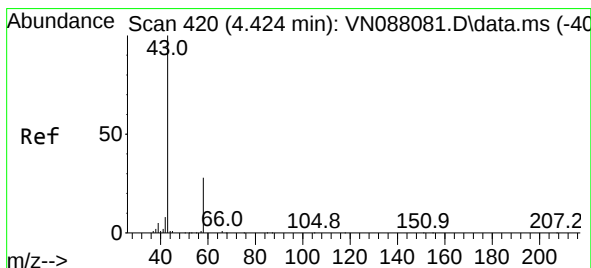
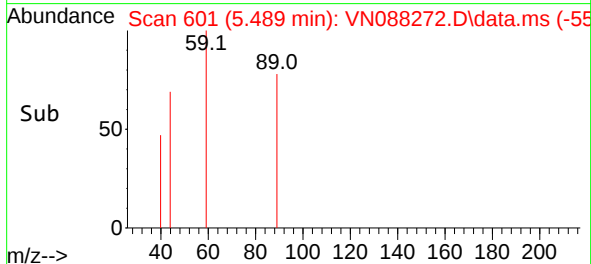
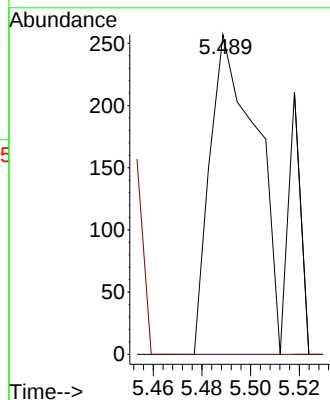
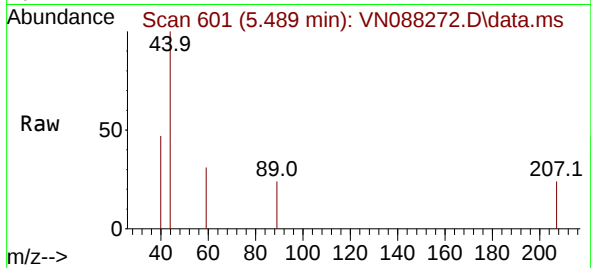




#11
Tert butyl alcohol
Concen: 0.485 ug/l
RT: 5.489 min Scan# 607
Delta R.T. -0.029 min
Lab File: VN088272.D
Acq: 12 Nov 2025 13:34

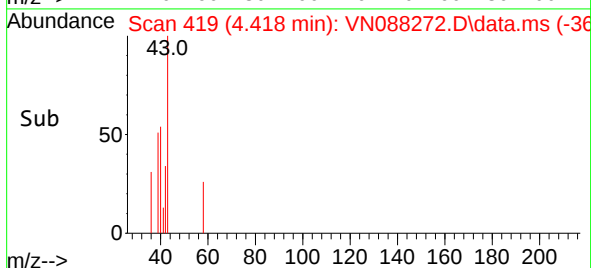
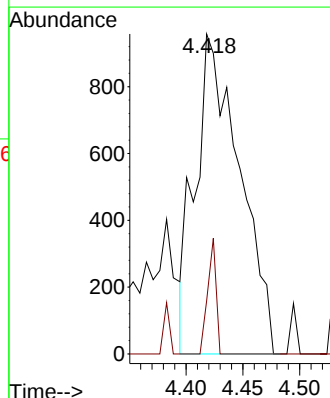
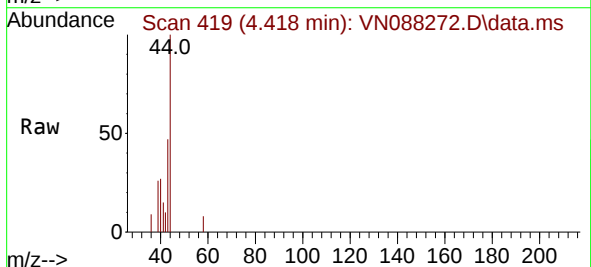
Instrument :
MSVOA_N
ClientSampleId :
IBLK

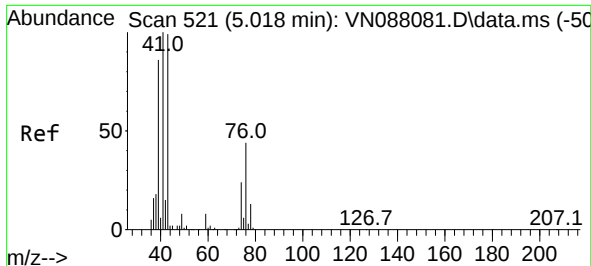
Tgt Ion: 59 Resp: 342
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 1.264 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN088272.D
Acq: 12 Nov 2025 13:34

Tgt Ion: 43 Resp: 2600
Ion Ratio Lower Upper
43 100
58 16.5 22.6 33.8#

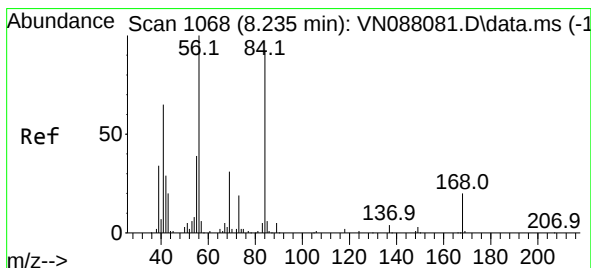
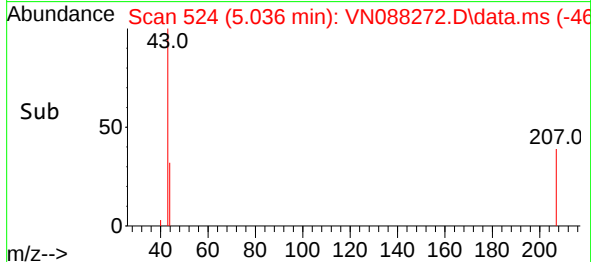
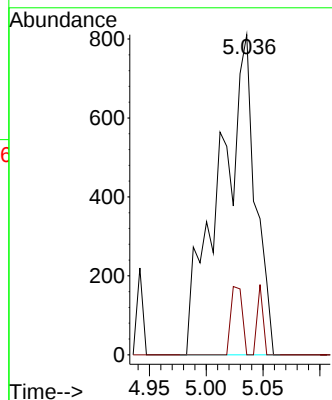
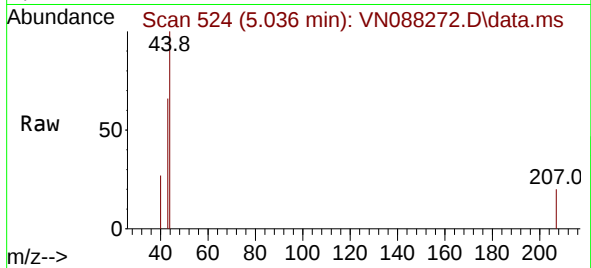




#18
Methyl Acetate
Concen: 0.420 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN088272.D
Acq: 12 Nov 2025 13:34

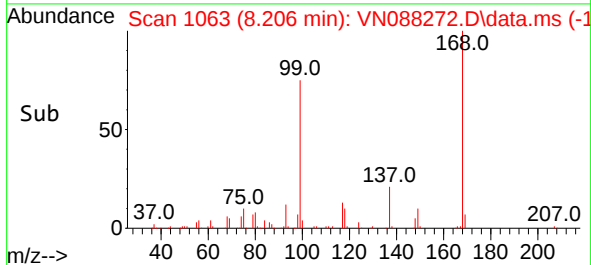
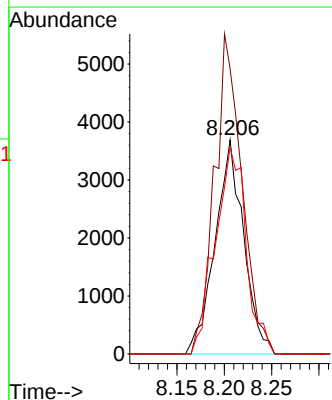
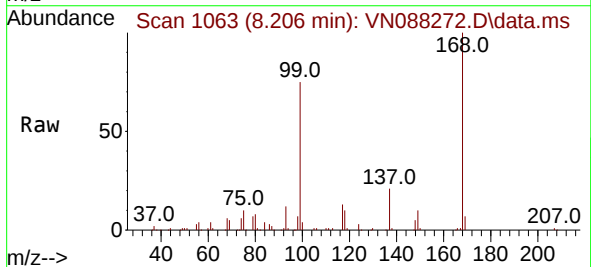
Instrument :
MSVOA_N
ClientSampleId :
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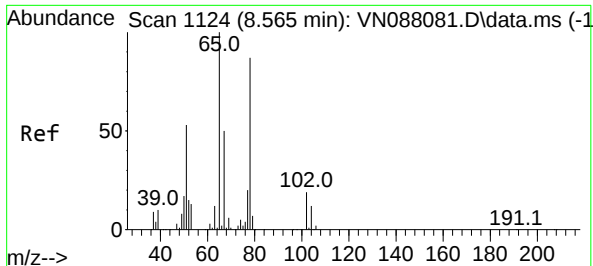
Tgt Ion: 43 Resp: 1769
Ion Ratio Lower Upper
43 100
74 3.6 17.6 26.4#



#31
Cyclohexane
Concen: 1.350 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088272.D
Acq: 12 Nov 2025 13:34

Tgt Ion: 56 Resp: 7736
Ion Ratio Lower Upper
56 100
69 133.4 23.7 35.5#
84 96.6 64.7 97.1

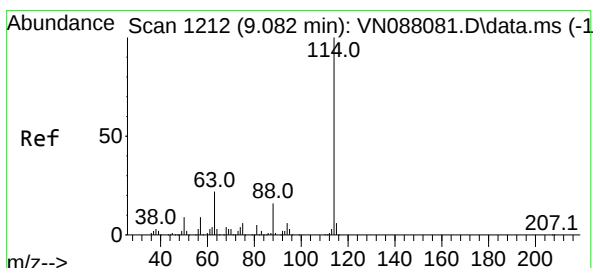
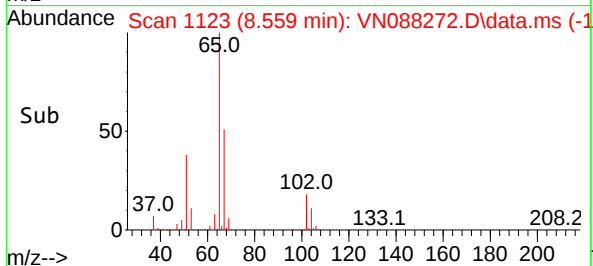
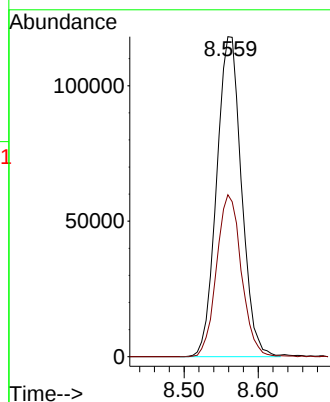
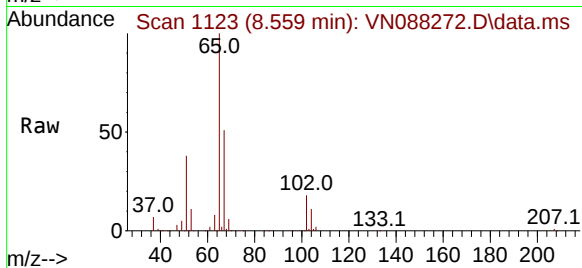




#33
1,2-Dichloroethane-d4
Concen: 67.256 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088272.D
Acq: 12 Nov 2025 13:34

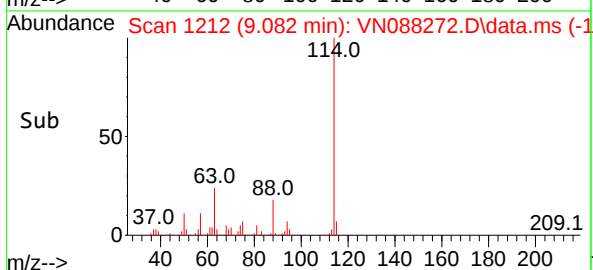
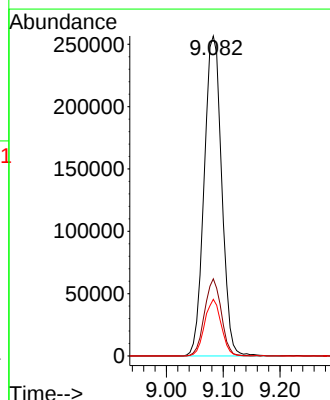
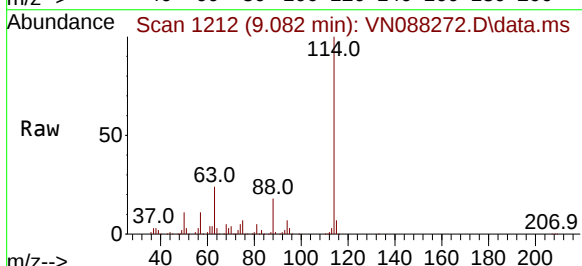
Instrument :
MSVOA_N
ClientSampleId :
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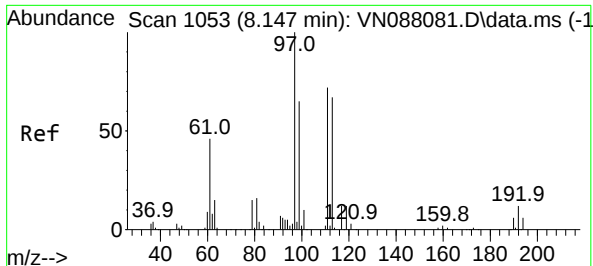
Tgt Ion: 65 Resp: 275370
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088272.D
Acq: 12 Nov 2025 13:34

Tgt Ion: 114 Resp: 548560
Ion Ratio Lower Upper
114 100
63 24.1 0.0 45.2
88 17.7 0.0 33.4

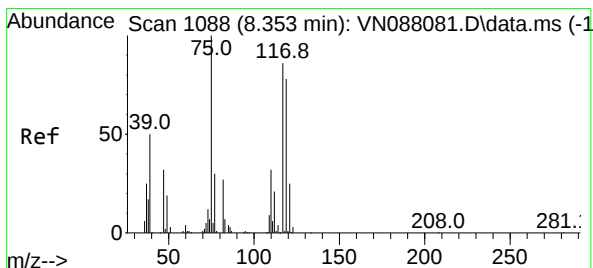
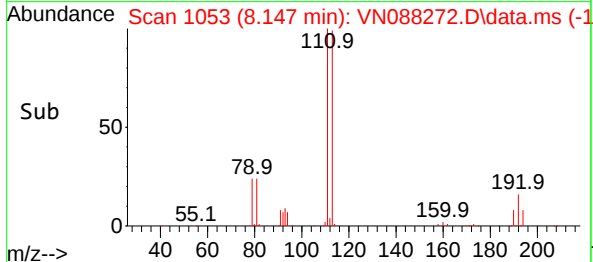
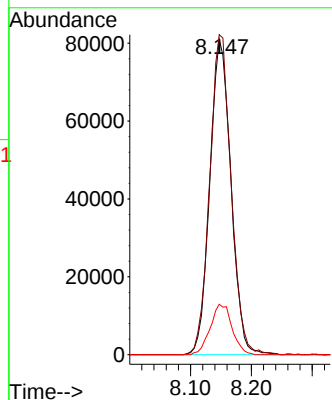
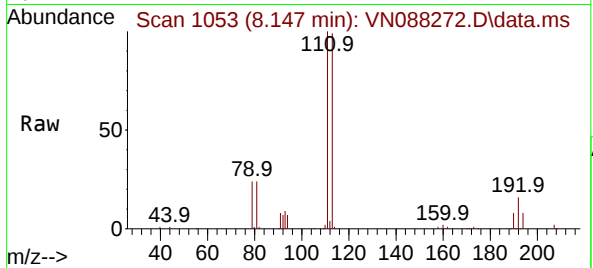




#35
Dibromofluoromethane
Concen: 52.952 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088272.D
Acq: 12 Nov 2025 13:34

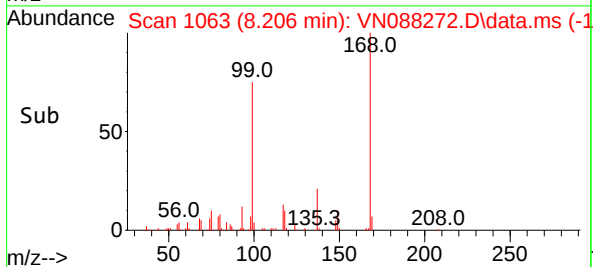
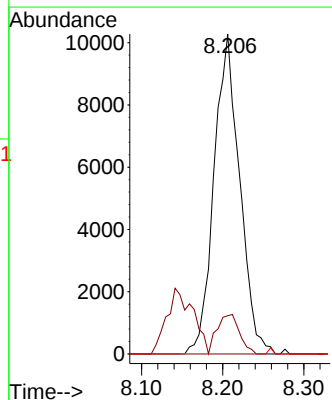
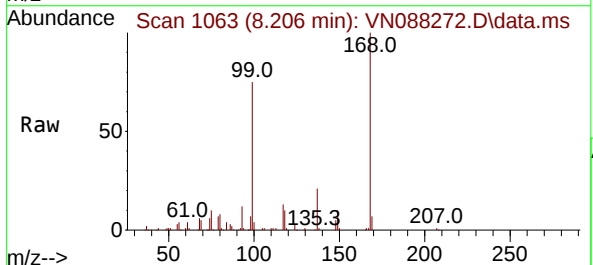
Instrument :
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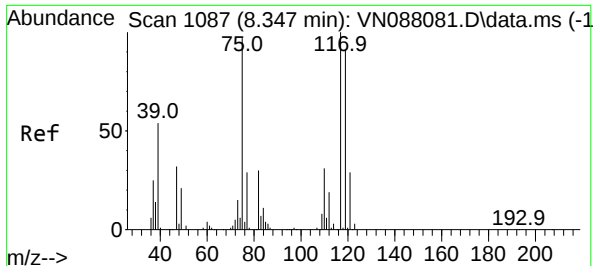
Tgt Ion:113 Resp: 195141
Ion Ratio Lower Upper
113 100
111 102.8 82.8 124.2
192 16.5 12.8 19.2



#36
1,1-Dichloropropene
Concen: 4.197 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.147 min
Lab File: VN088272.D
Acq: 12 Nov 2025 13:34

Tgt Ion: 75 Resp: 22586
Ion Ratio Lower Upper
75 100
110 10.8 15.9 47.6#
77 0.0 24.4 36.6#

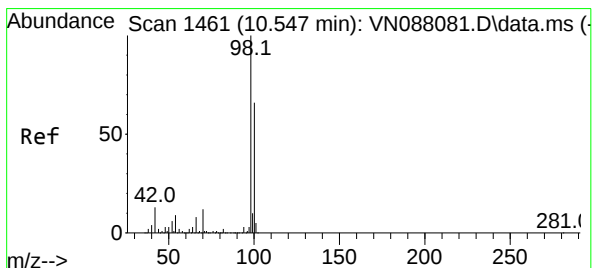
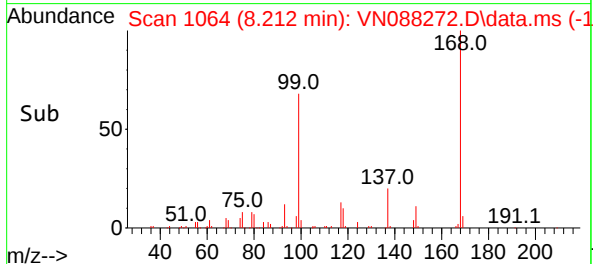
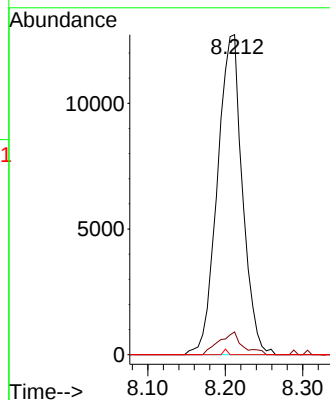
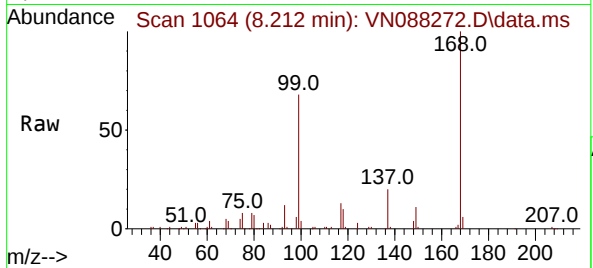




#38
Carbon Tetrachloride
Concen: 5.139 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.129 min
Lab File: VN088272.D
Acq: 12 Nov 2025 13:34

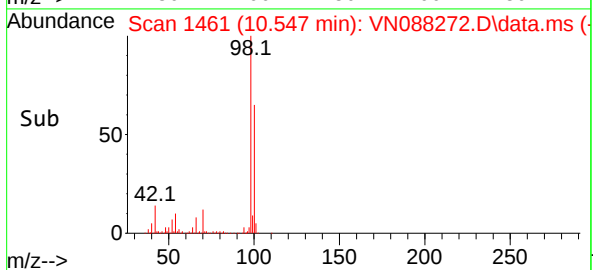
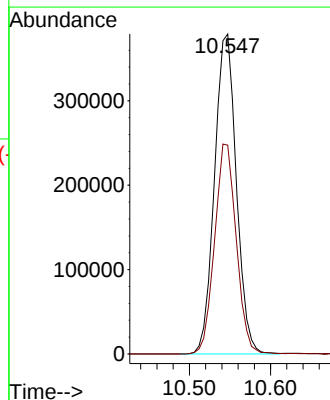
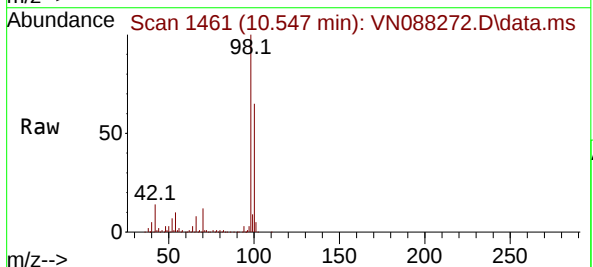
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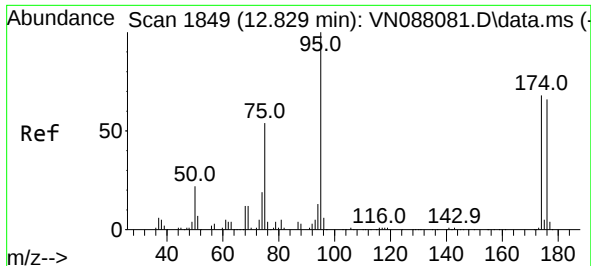
Tgt Ion:117 Resp: 28562
Ion Ratio Lower Upper
117 100
119 7.1 79.0 118.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 50.012 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088272.D
Acq: 12 Nov 2025 13:34

Tgt Ion: 98 Resp: 710159
Ion Ratio Lower Upper
98 100
100 65.2 52.8 79.2

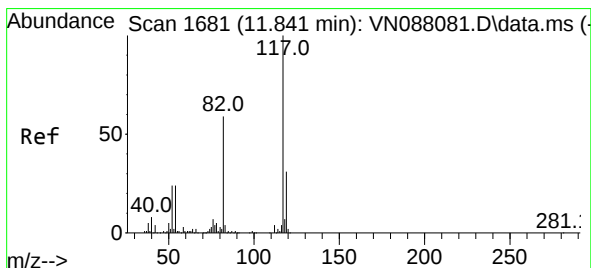
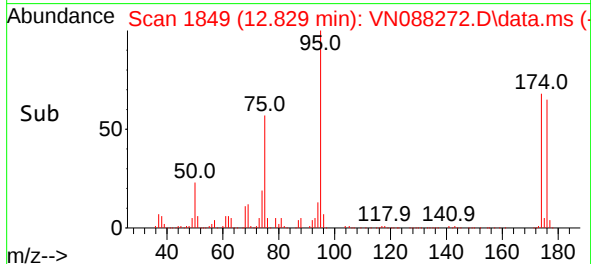
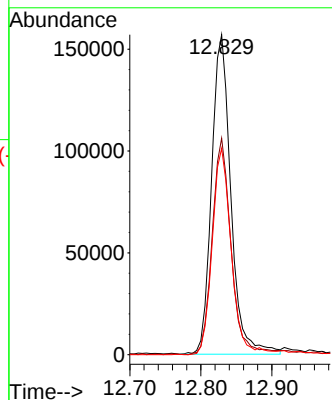
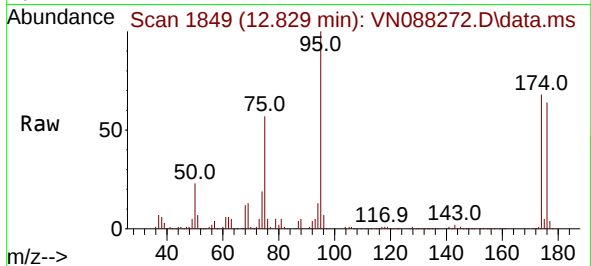




#62
4-Bromofluorobenzene
Concen: 58.980 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088272.D
Acq: 12 Nov 2025 13:34

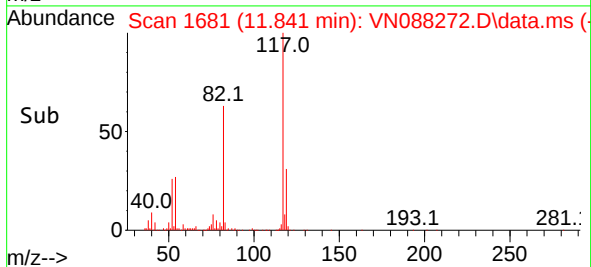
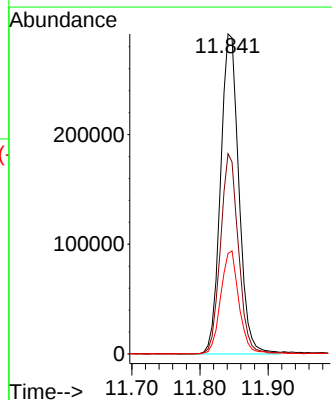
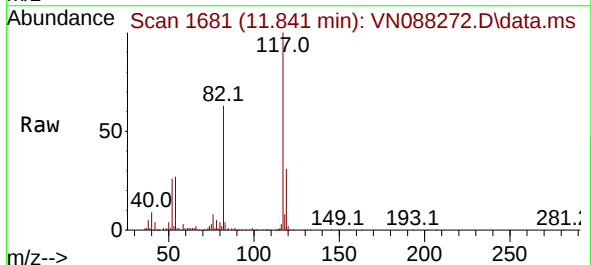
Instrument :
MSVOA_N
ClientSampleId :
IBLK

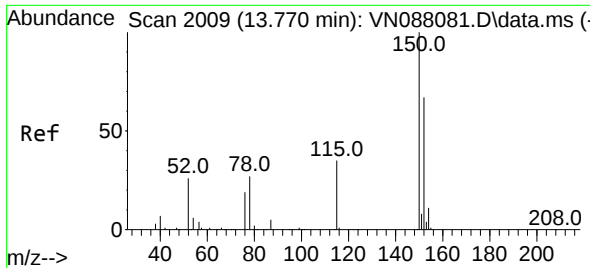
Tgt Ion: 95 Resp: 295780
Ion Ratio Lower Upper
95 100
174 67.9 0.0 138.4
176 63.7 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088272.D
Acq: 12 Nov 2025 13:34

Tgt Ion: 117 Resp: 545410
Ion Ratio Lower Upper
117 100
82 62.5 47.4 71.2
119 31.3 24.3 36.5

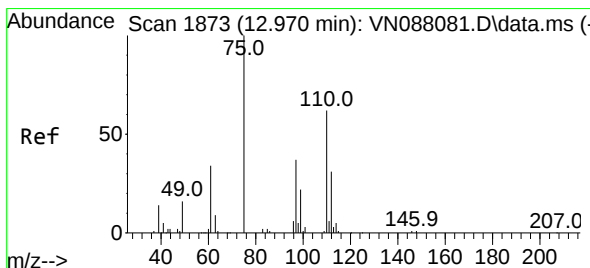
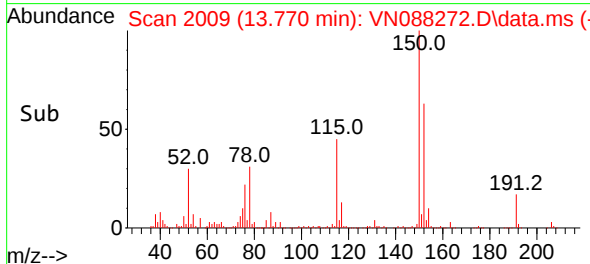
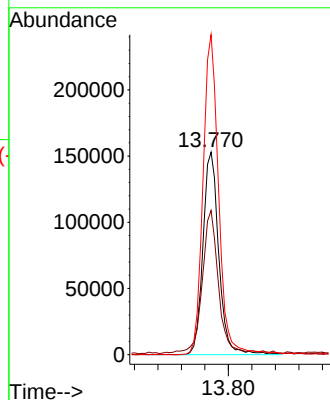
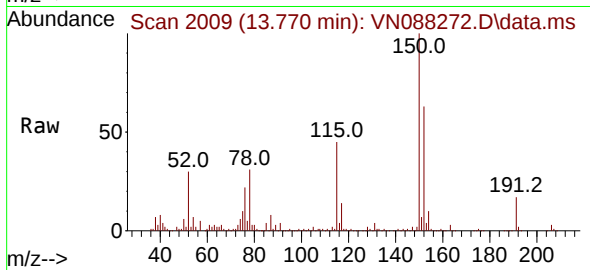




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.006 min
 Lab File: VN088272.D
 Acq: 12 Nov 2025 13:34

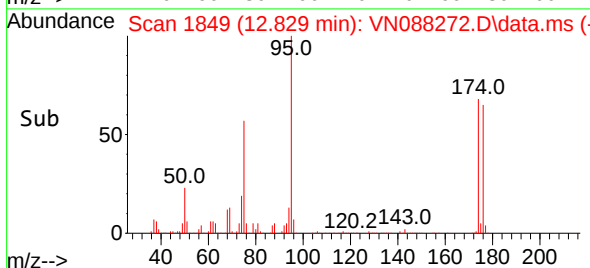
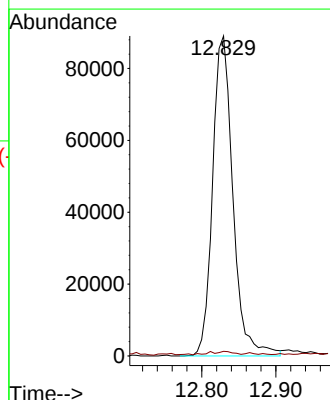
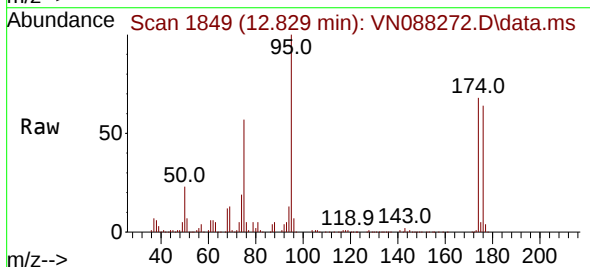
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

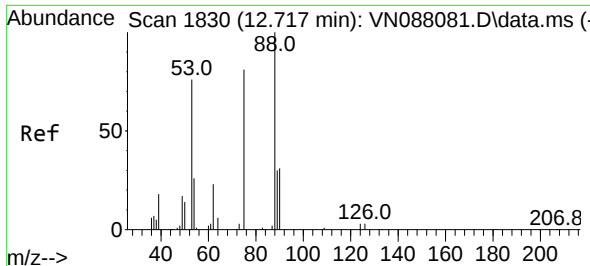
Tgt Ion:152 Resp: 286212
 Ion Ratio Lower Upper
 152 100
 115 73.1 32.3 96.8
 150 155.8 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 25.915 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN088272.D
 Acq: 12 Nov 2025 13:34

Tgt Ion: 75 Resp: 169580
 Ion Ratio Lower Upper
 75 100
 77 0.6 89.1 267.4#

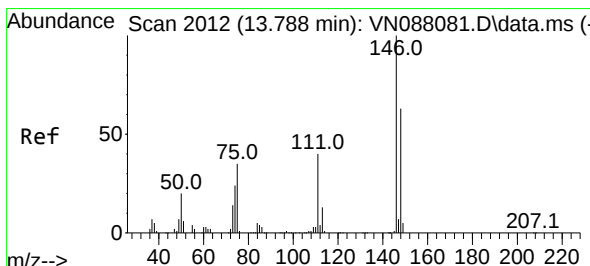
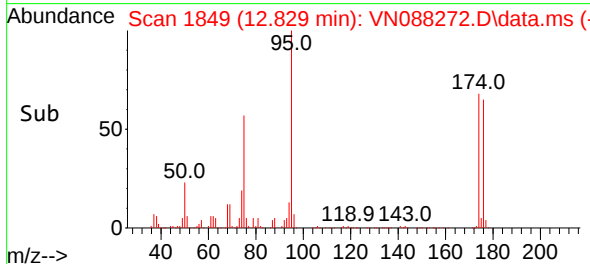
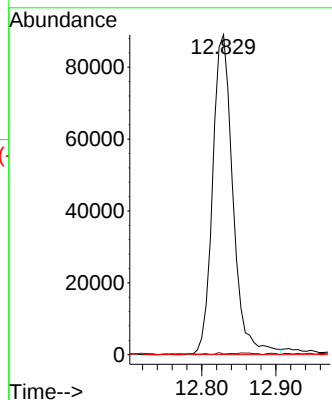
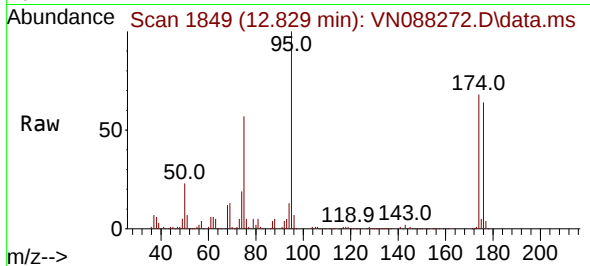




#81
trans-1,4-Dichloro-2-butene
Concen: 72.291 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.112 min
Lab File: VN088272.D
Acq: 12 Nov 2025 13:34

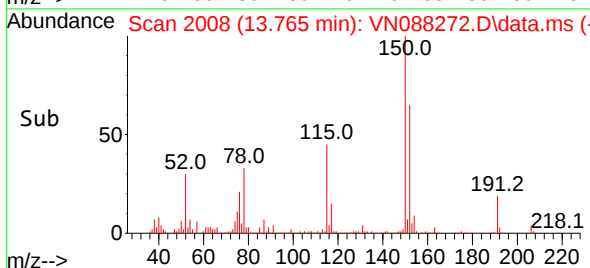
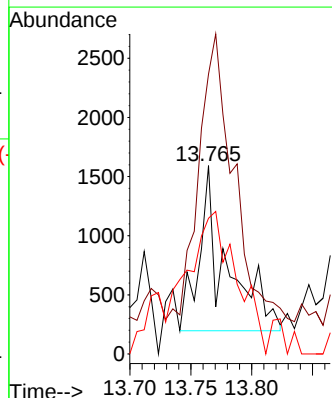
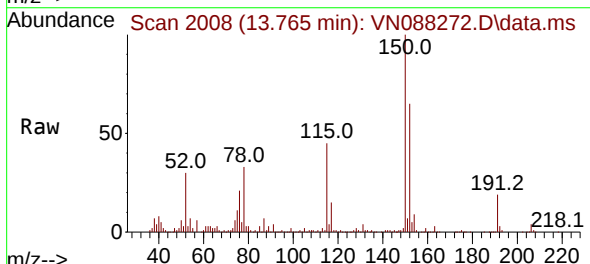
Instrument :
MSVOA_N
ClientSampleId :
IBLK

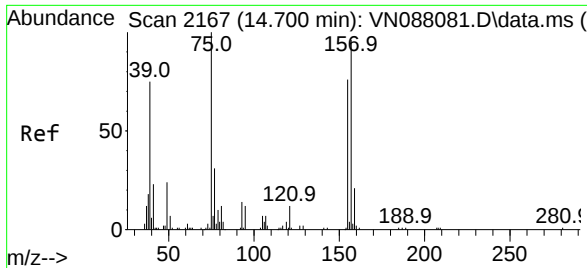
Tgt Ion: 75 Resp: 169580
Ion Ratio Lower Upper
75 100
53 0.3 101.8 152.6#
89 0.0 35.6 53.4#



#88
1,4-Dichlorobenzene
Concen: 0.213 ug/l
RT: 13.765 min Scan# 2008
Delta R.T. -0.024 min
Lab File: VN088272.D
Acq: 12 Nov 2025 13:34

Tgt Ion:146 Resp: 2174
Ion Ratio Lower Upper
146 100
111 250.0 21.0 63.0#
148 154.8 32.0 96.0#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.239 ug/l
 RT: 14.753 min Scan# 2167
 Delta R.T. 0.053 min
 Lab File: VN088272.D
 Acq: 12 Nov 2025 13:34

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion:	75	Resp:	382
Ion	Ratio	Lower	Upper
75	100		
155	67.8	36.6	109.9
157	75.7	45.6	136.9

