

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088097.D
 Acq On : 24 Oct 2025 16:20
 Operator : JC\MD
 Sample : Q3463-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Oct 25 01:07:42 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)

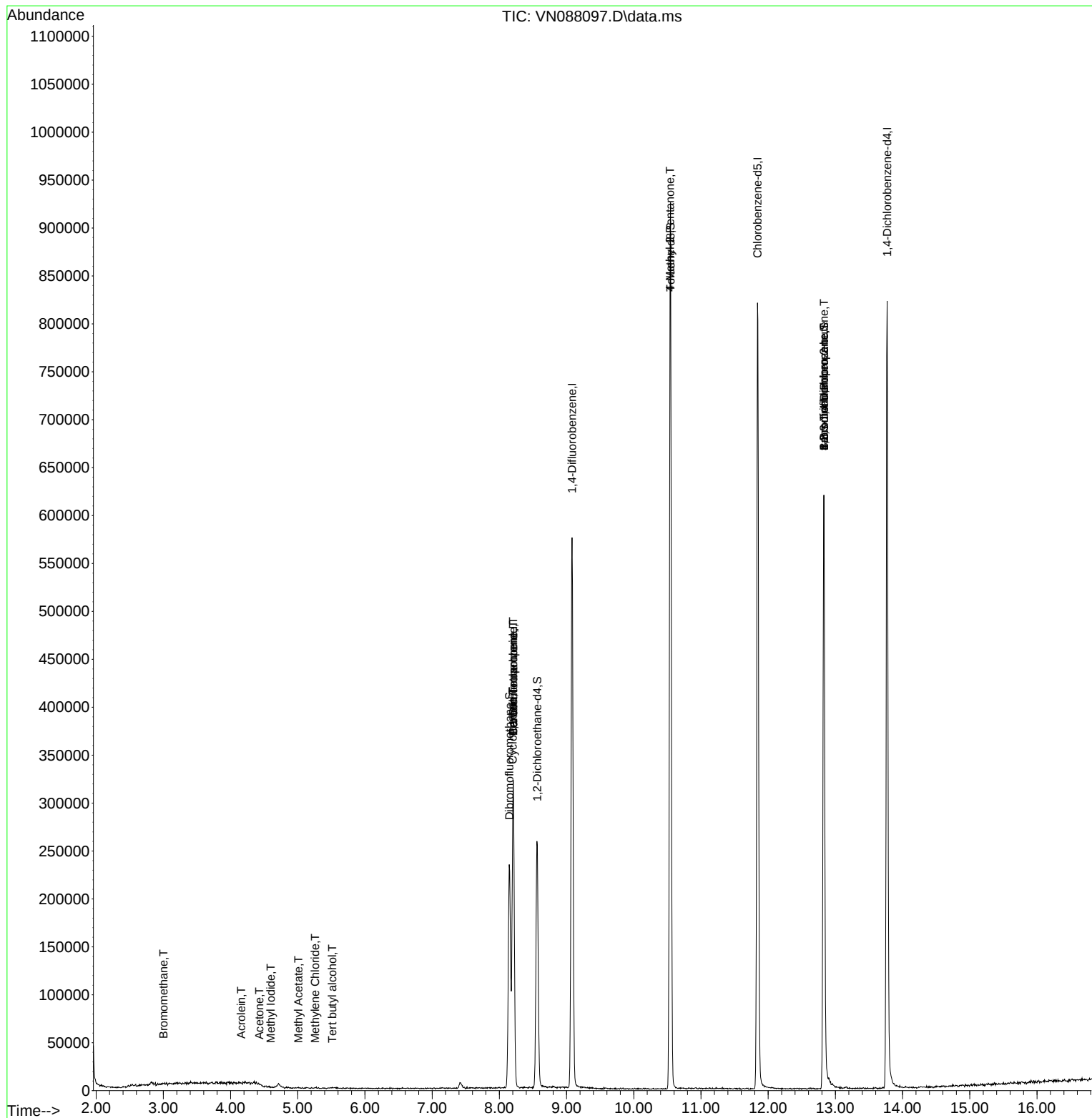
Internal Standards						
1) Pentafluorobenzene	8.206	168	215750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	480262	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	450816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	216067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	217753	58.367	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 116.740%		
35) Dibromofluoromethane	8.147	113	166321	51.550	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.100%		
50) Toluene-d8	10.547	98	612899	49.300	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 98.600%		
62) 4-Bromofluorobenzene	12.829	95	233122	53.097	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 106.200%		
Target Compounds						
					Qvalue	
5) Bromomethane	3.000	94	399	0.214	ug/l #	70
10) Methyl Iodide	4.600	142	62	4.233	ug/l #	38
11) Tert butyl alcohol	5.512	59	401	0.624	ug/l #	71
13) Acrolein	4.159	56	226	0.313	ug/l #	1
16) Acetone	4.430	43	3443	1.837	ug/l	90
18) Methyl Acetate	5.012	43	908	0.237	ug/l #	54
20) Methylene Chloride	5.259	84	241	0.854	ug/l #	5
31) Cyclohexane	8.200	56	6791	1.300	ug/l #	29
36) 1,1-Dichloropropene	8.206	75	22235	4.720	ug/l #	51
38) Carbon Tetrachloride	8.206	117	23905	4.913	ug/l #	16
51) 4-Methyl-2-Pentanone	10.541	43	3727	0.674	ug/l #	1
71) Bromoform	12.829	173	1395	0.557	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	131885	26.698	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	131885	74.474	ug/l #	1

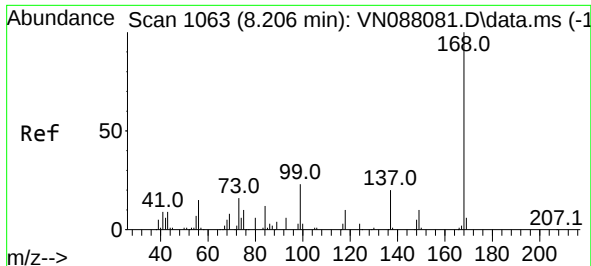
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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STORAGE-BLANK-WATER-REF-5

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QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

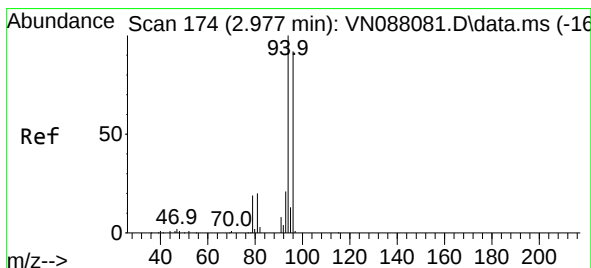
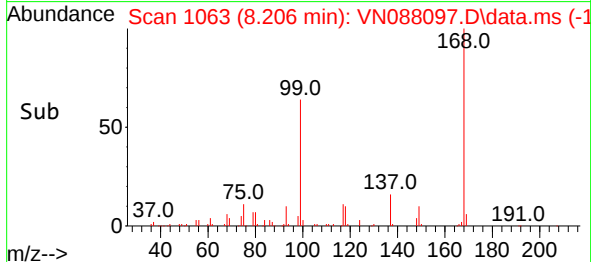
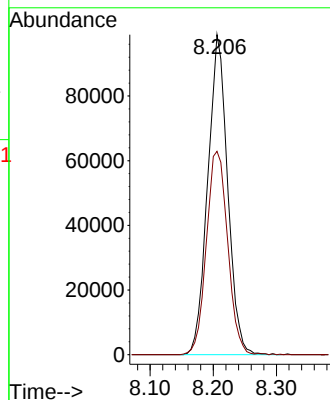
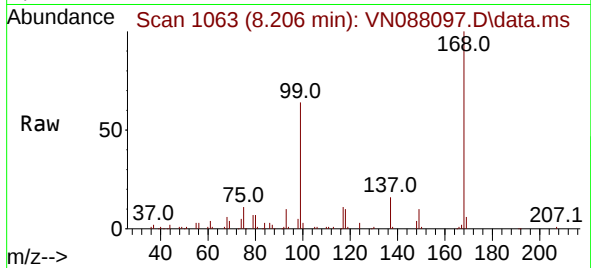




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

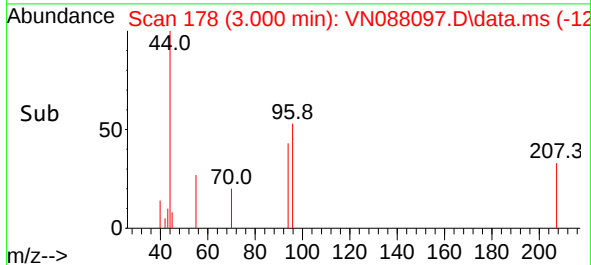
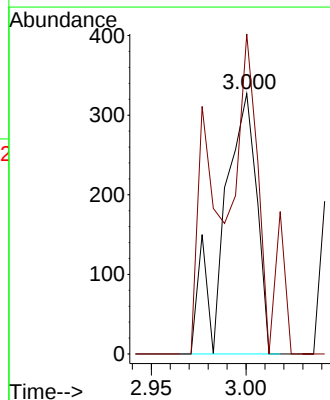
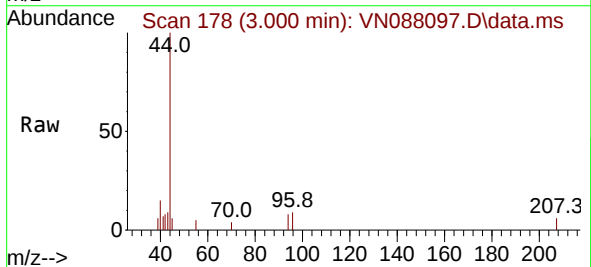
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

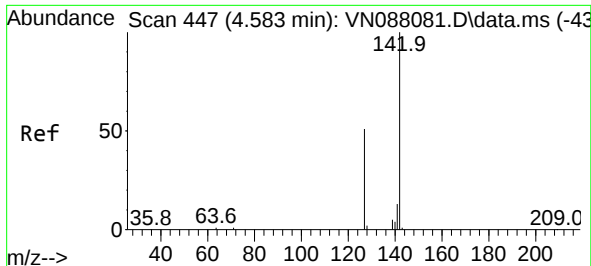
Tgt Ion:168 Resp: 215750
Ion Ratio Lower Upper
168 100
99 63.5 57.2 85.8



#5
Bromomethane
Concen: 0.214 ug/l
RT: 3.000 min Scan# 178
Delta R.T. 0.029 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

Tgt Ion: 94 Resp: 399
Ion Ratio Lower Upper
94 100
96 122.9 75.4 113.2#

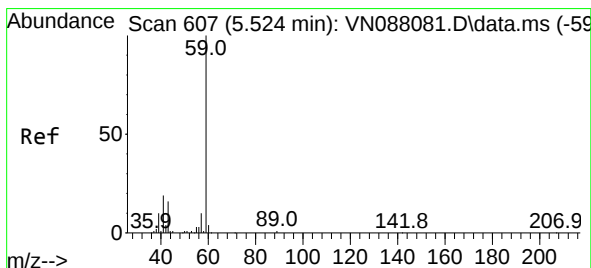
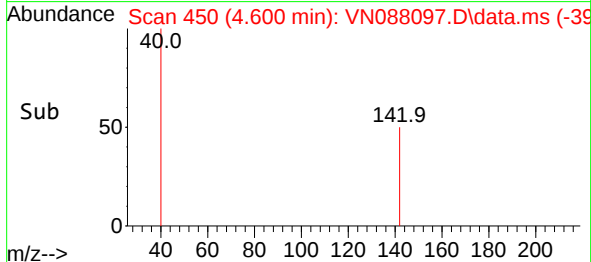
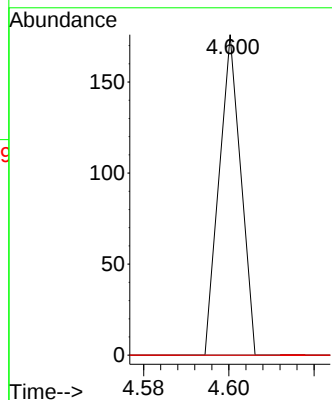
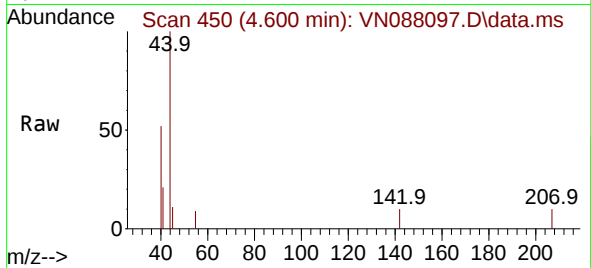




#10
Methyl Iodide
Concen: 4.233 ug/l
RT: 4.600 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

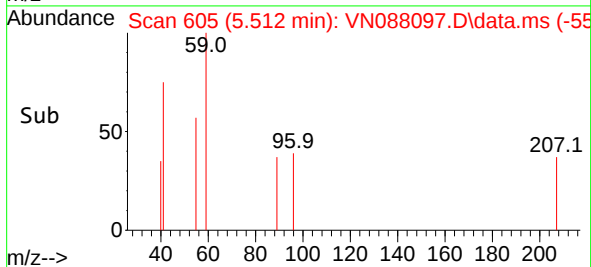
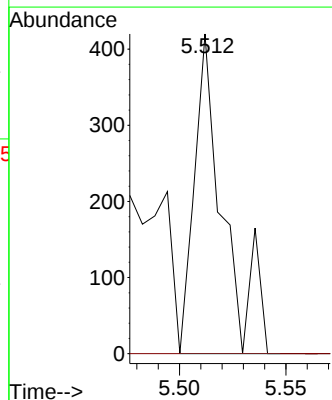
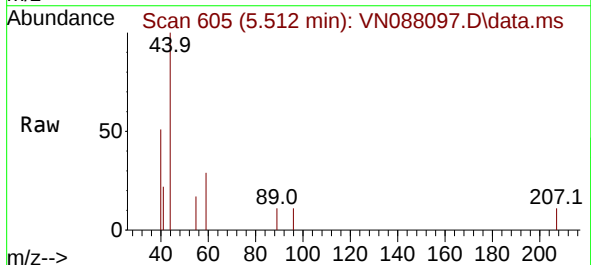
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

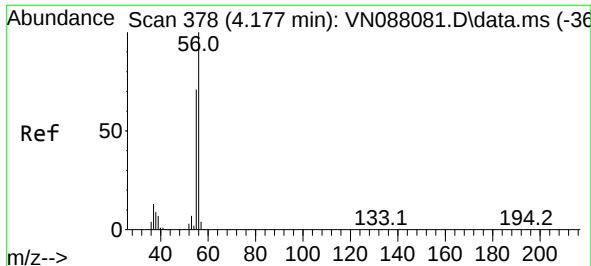
Tgt Ion:142 Resp: 62
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 0.624 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

Tgt Ion: 59 Resp: 401
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

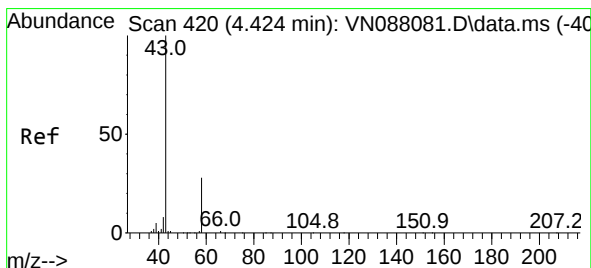
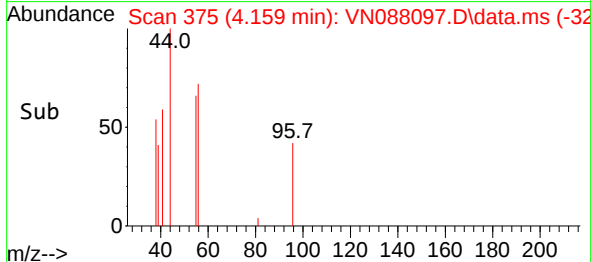
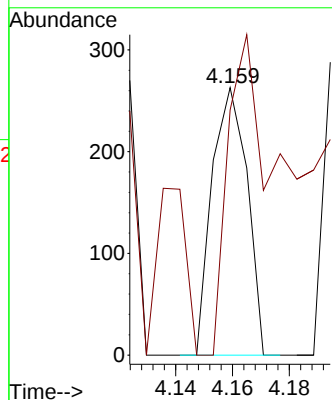
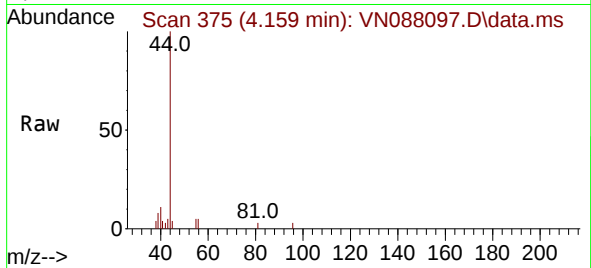




#13
Acrolein
Concen: 0.313 ug/l
RT: 4.159 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

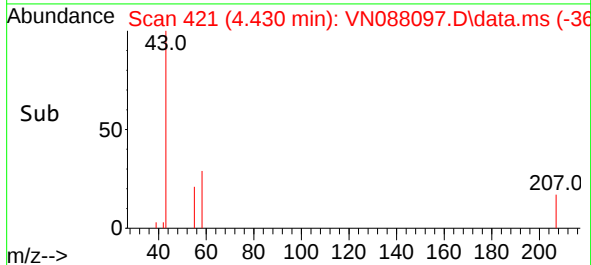
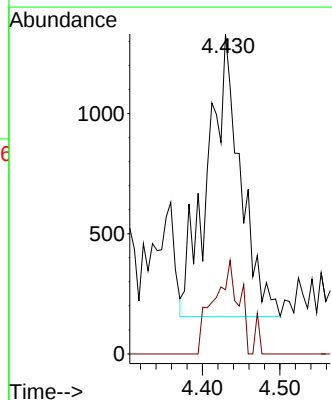
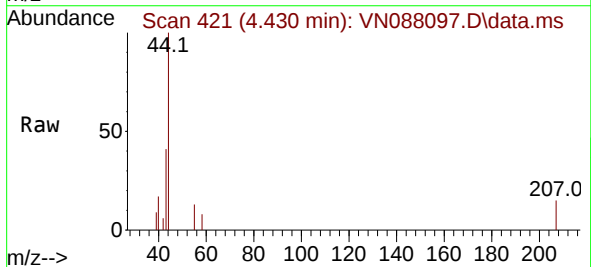
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

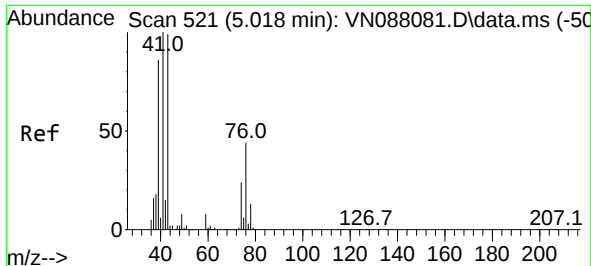
Tgt Ion: 56 Resp: 226
Ion Ratio Lower Upper
56 100
55 169.9 57.3 85.9#



#16
Acetone
Concen: 1.837 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

Tgt Ion: 43 Resp: 3443
Ion Ratio Lower Upper
43 100
58 22.7 22.6 33.8

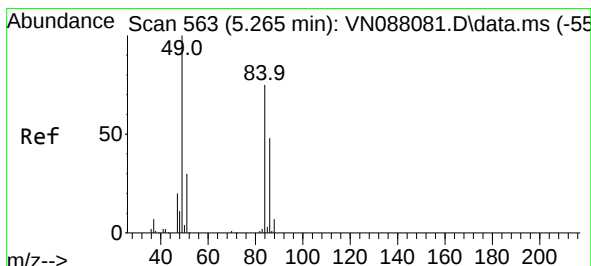
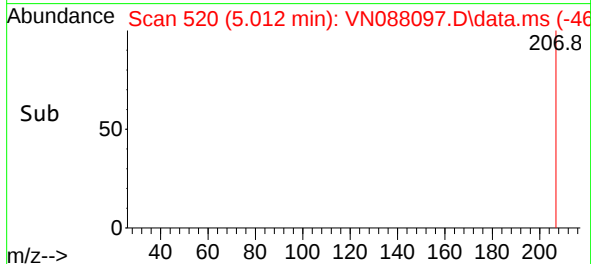
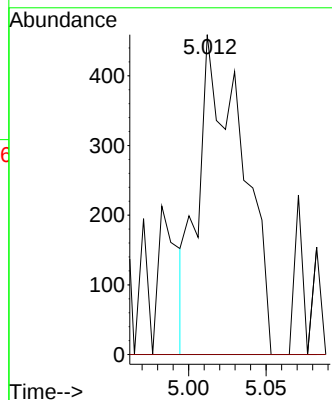
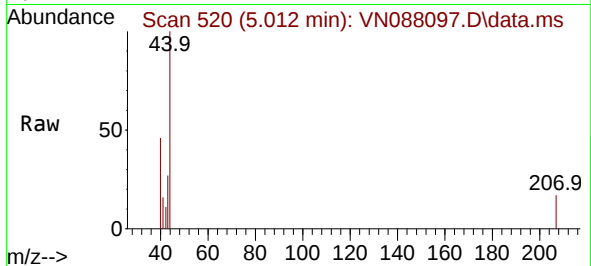




#18
Methyl Acetate
Concen: 0.237 ug/l
RT: 5.012 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

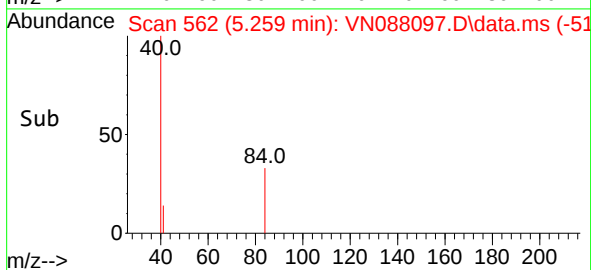
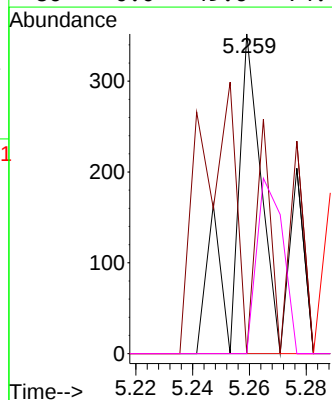
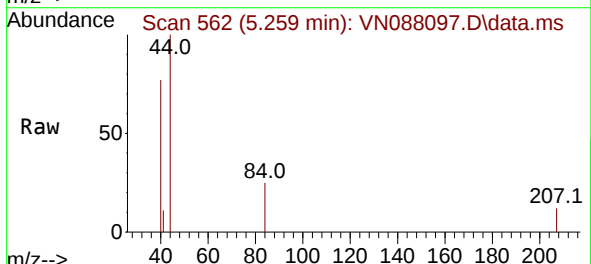
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

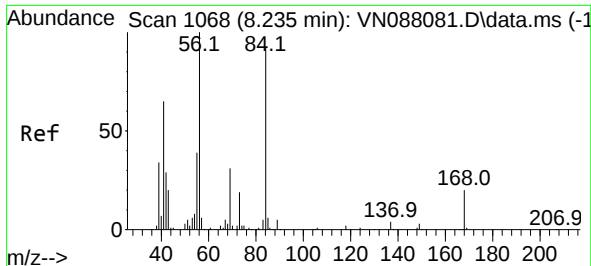
Tgt Ion: 43 Resp: 908
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#



#20
Methylene Chloride
Concen: 0.854 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.006 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

Tgt Ion: 84 Resp: 241
Ion Ratio Lower Upper
84 100
49 0.0 103.4 155.2#
51 0.0 33.8 50.8#
86 0.0 49.6 74.4#

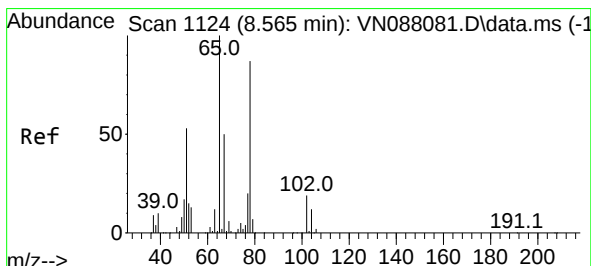
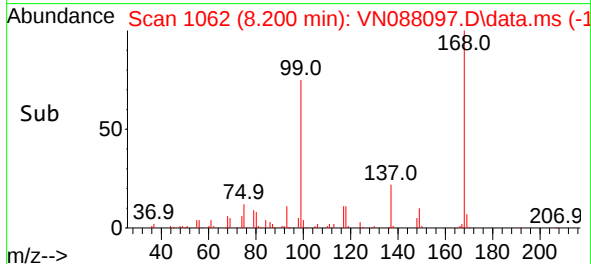
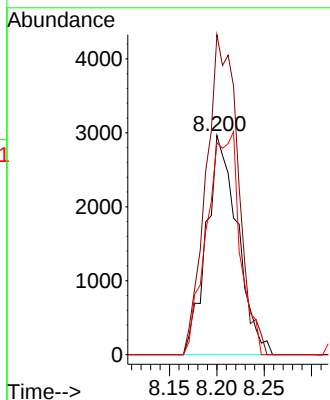
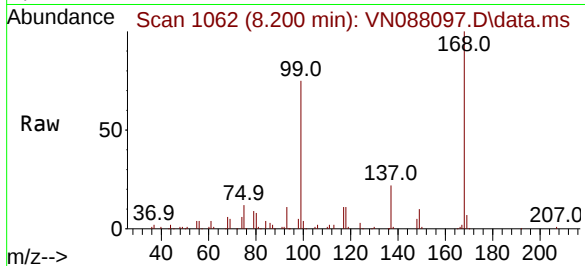




#31
Cyclohexane
Concen: 1.300 ug/l
RT: 8.200 min Scan# 1068
Delta R.T. -0.036 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

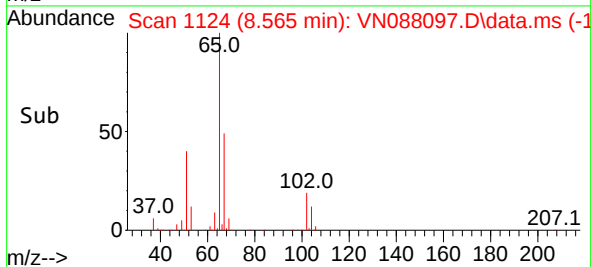
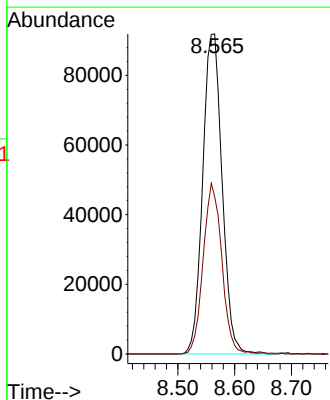
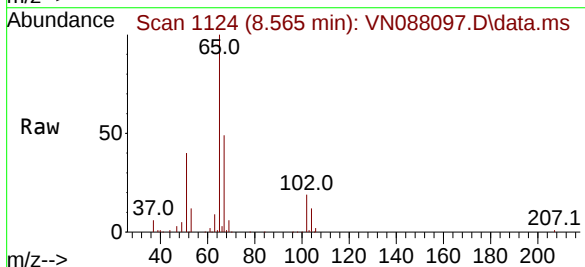
Instrument :
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ClientSampleId :
STORAGE-BLANK-WATER-REF-5

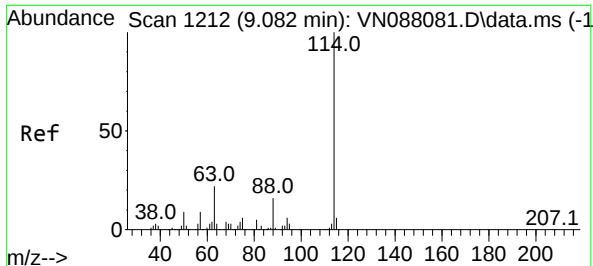
Tgt Ion: 56 Resp: 6791
Ion Ratio Lower Upper
56 100
69 145.9 23.7 35.5#
84 96.7 64.7 97.1



#33
1,2-Dichloroethane-d4
Concen: 58.367 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

Tgt Ion: 65 Resp: 217753
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.0

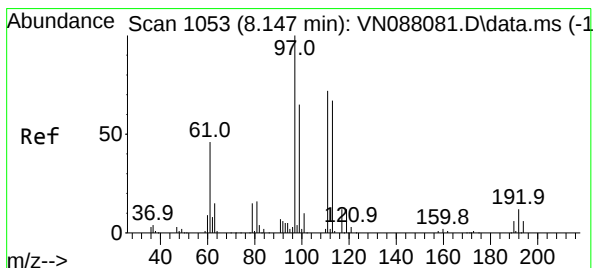
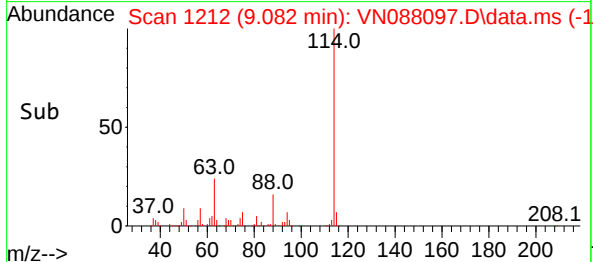
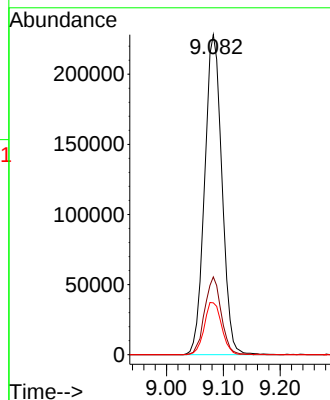
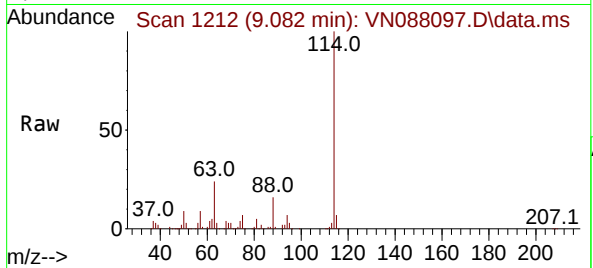




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

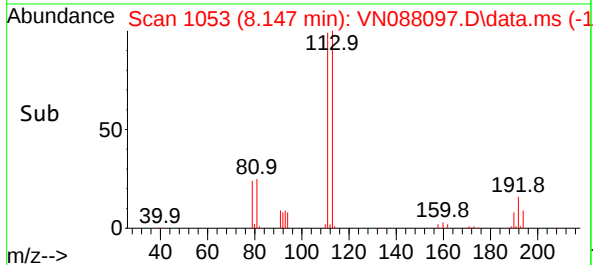
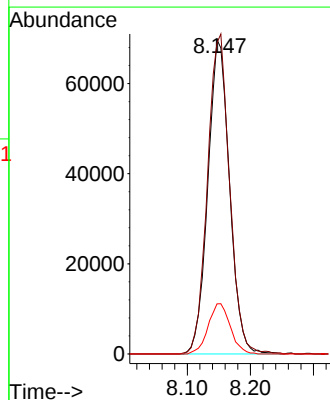
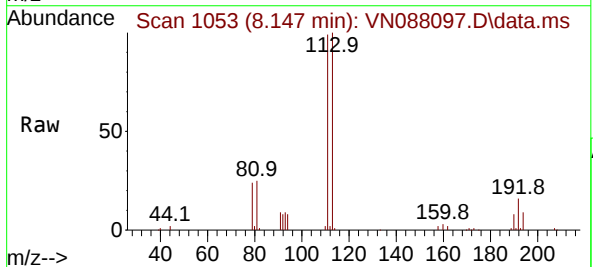
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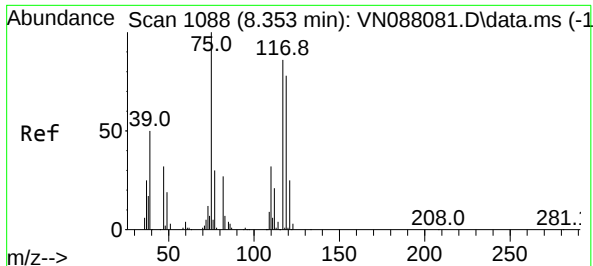
Tgt Ion:114 Resp: 480262
Ion Ratio Lower Upper
114 100
63 24.3 0.0 45.2
88 16.2 0.0 33.4



#35
Dibromofluoromethane
Concen: 51.550 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

Tgt Ion:113 Resp: 166321
Ion Ratio Lower Upper
113 100
111 103.7 82.8 124.2
192 16.4 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.720 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088097.D

Acq: 24 Oct 2025 16:20

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

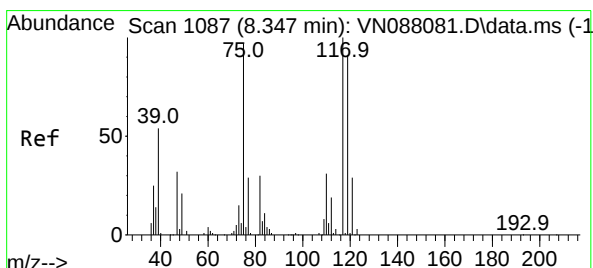
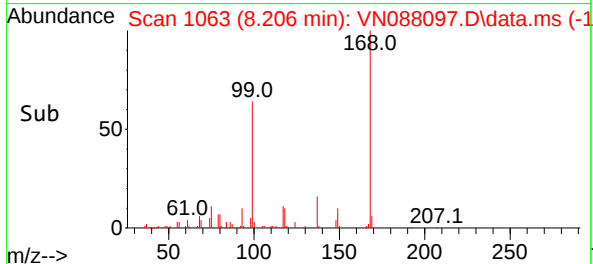
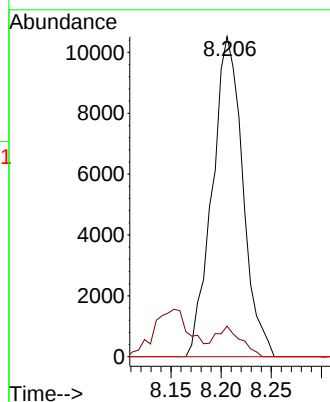
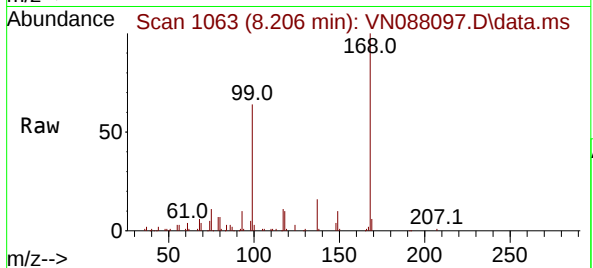
Tgt Ion: 75 Resp: 22235

Ion Ratio Lower Upper

75 100

110 8.3 15.9 47.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.913 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.136 min

Lab File: VN088097.D

Acq: 24 Oct 2025 16:20

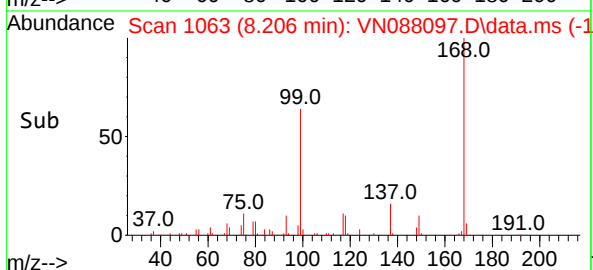
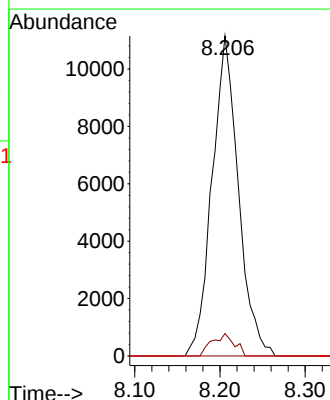
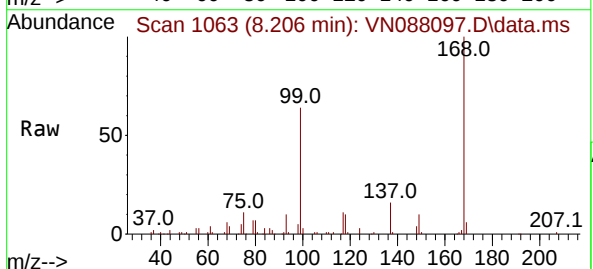
Tgt Ion: 117 Resp: 23905

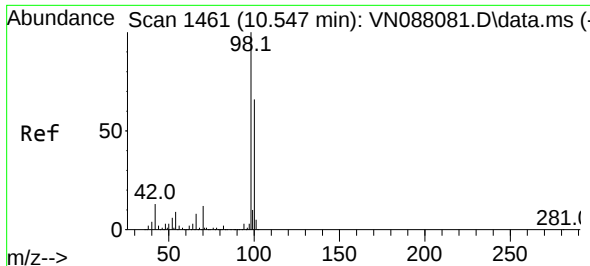
Ion Ratio Lower Upper

117 100

119 7.0 79.0 118.6#

121 0.0 25.0 37.6#

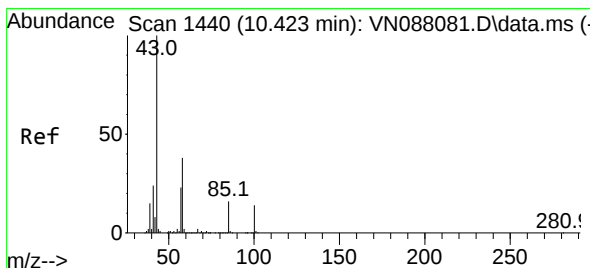
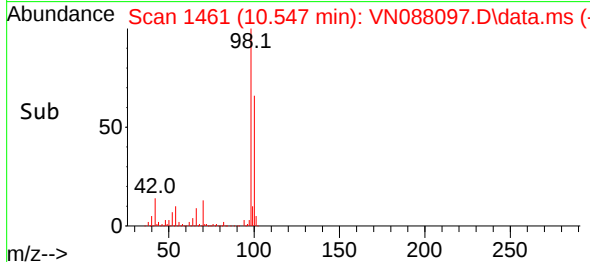
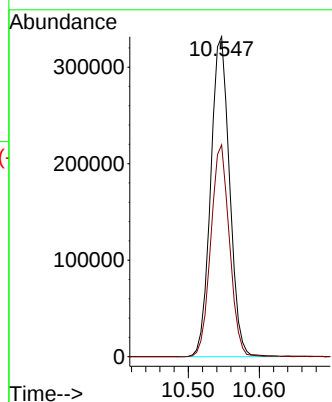
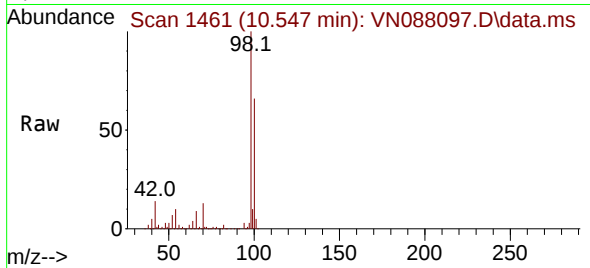




#50
Toluene-d8
Concen: 49.300 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

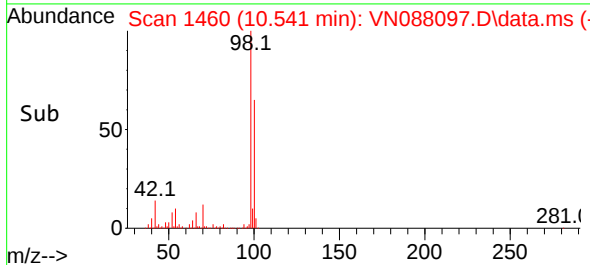
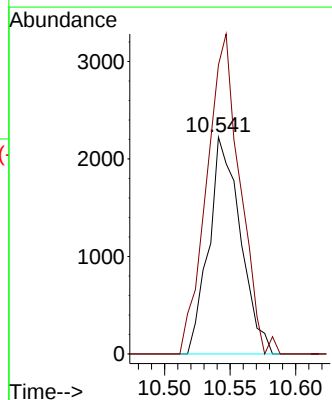
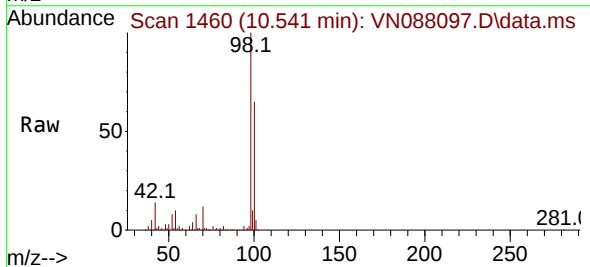
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

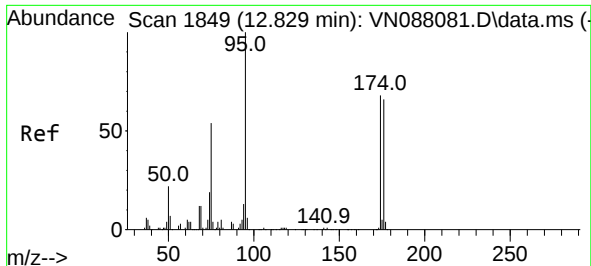
Tgt Ion: 98 Resp: 612899
Ion Ratio Lower Upper
98 100
100 65.3 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 0.674 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. 0.117 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

Tgt Ion: 43 Resp: 3727
Ion Ratio Lower Upper
43 100
58 155.7 29.6 44.4#

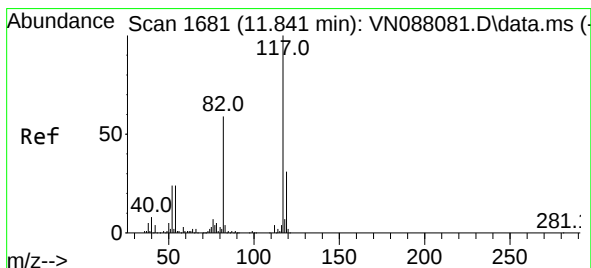
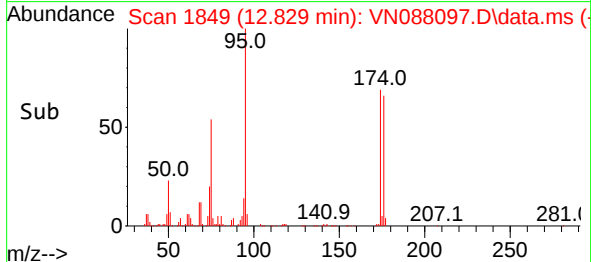
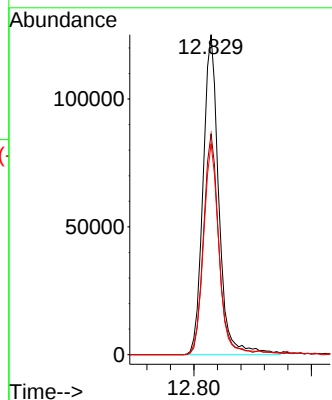
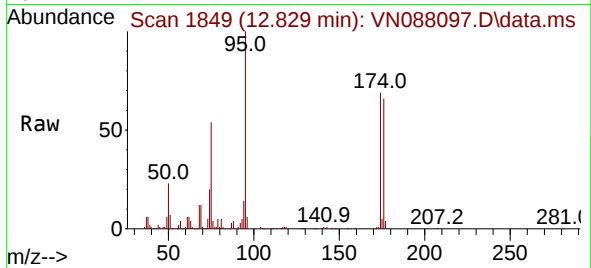




#62
4-Bromofluorobenzene
Concen: 53.097 ug/l
RT: 12.829 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

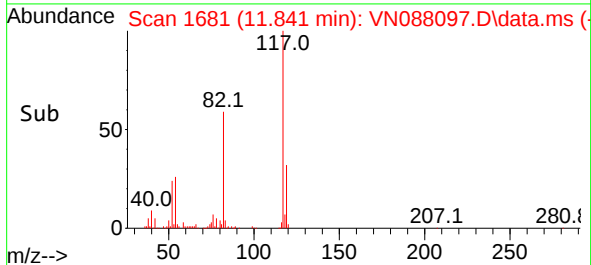
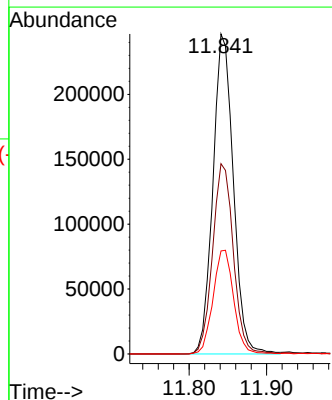
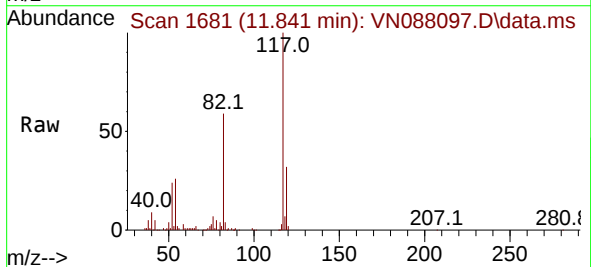
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

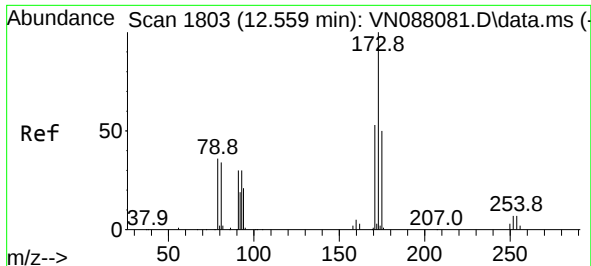
Tgt Ion: 95 Resp: 233122
Ion Ratio Lower Upper
95 100
174 66.8 0.0 138.4
176 65.4 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

Tgt Ion: 117 Resp: 450816
Ion Ratio Lower Upper
117 100
82 59.4 47.4 71.2
119 32.2 24.3 36.5

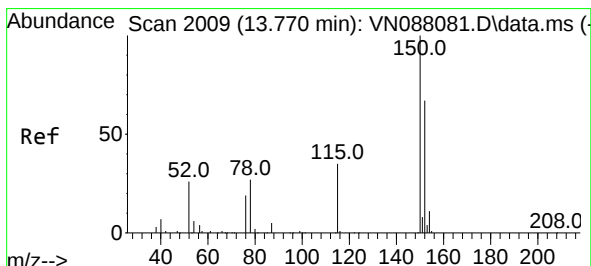
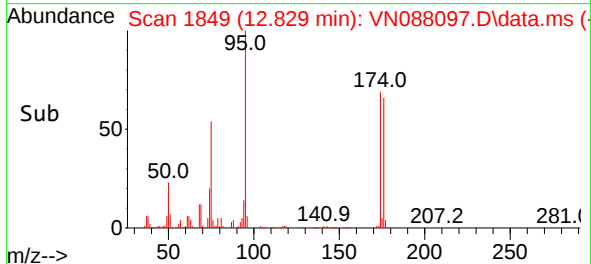
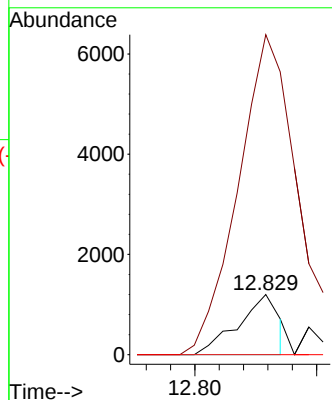
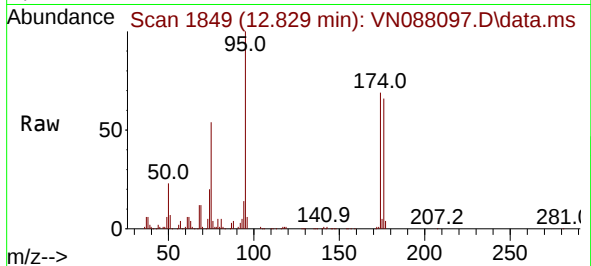




#71
Bromoform
Concen: 0.557 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.270 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

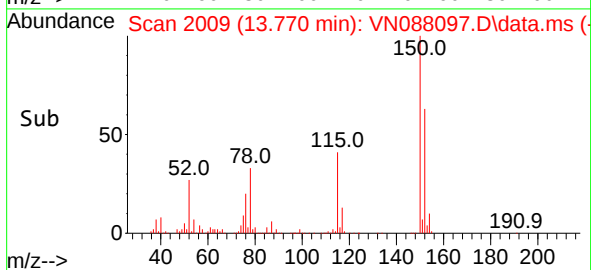
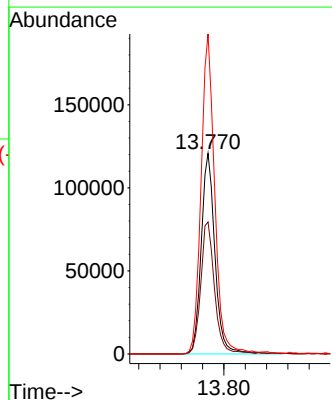
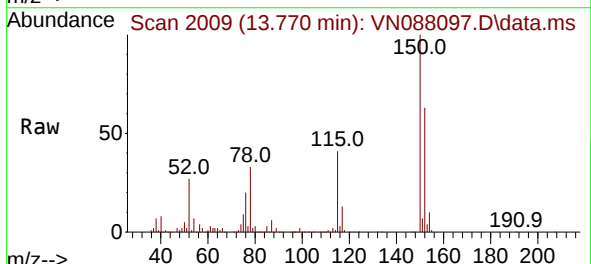
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

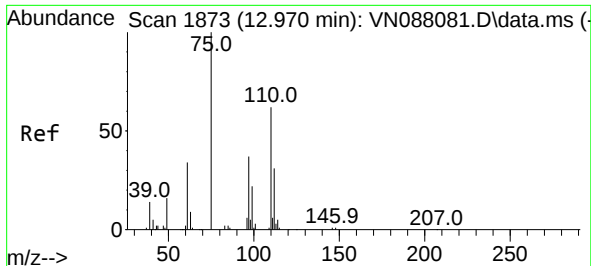
Tgt Ion:173 Resp: 1395
Ion Ratio Lower Upper
173 100
175 584.6 24.9 74.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

Tgt Ion:152 Resp: 216067
Ion Ratio Lower Upper
152 100
115 66.1 32.3 96.8
150 157.7 0.0 351.0

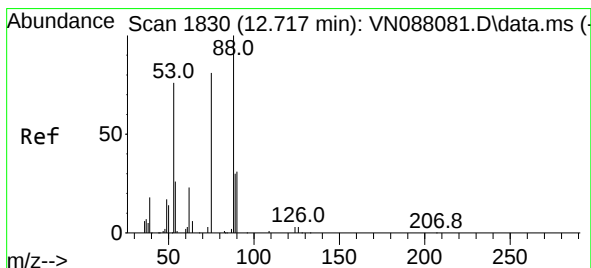
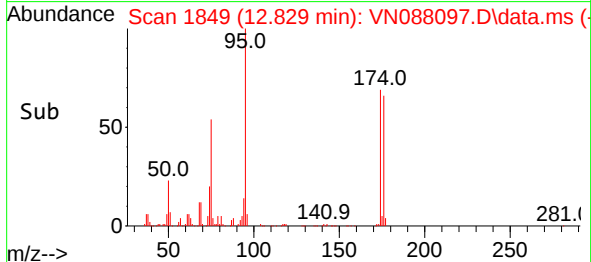
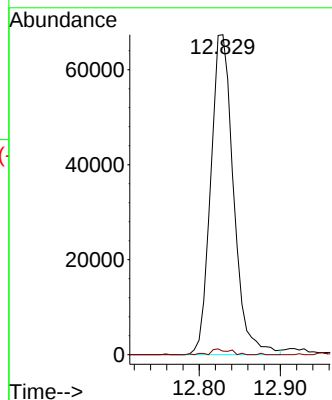
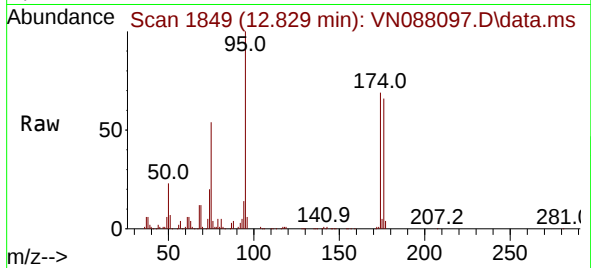




#76
1,2,3-Trichloropropane
Concen: 26.698 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

Instrument : MSVOA_N
ClientSampleId : STORAGE-BLANK-WATER-REF-5

Tgt Ion: 75 Resp: 131885
Ion Ratio Lower Upper
75 100
77 1.5 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.474 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088097.D
Acq: 24 Oct 2025 16:20

Tgt Ion: 75 Resp: 131885
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.1 35.6 53.4#

