

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088094.D
 Acq On : 24 Oct 2025 15:18
 Operator : JC\MD
 Sample : Q3373-03RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Oct 25 01:06:32 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)

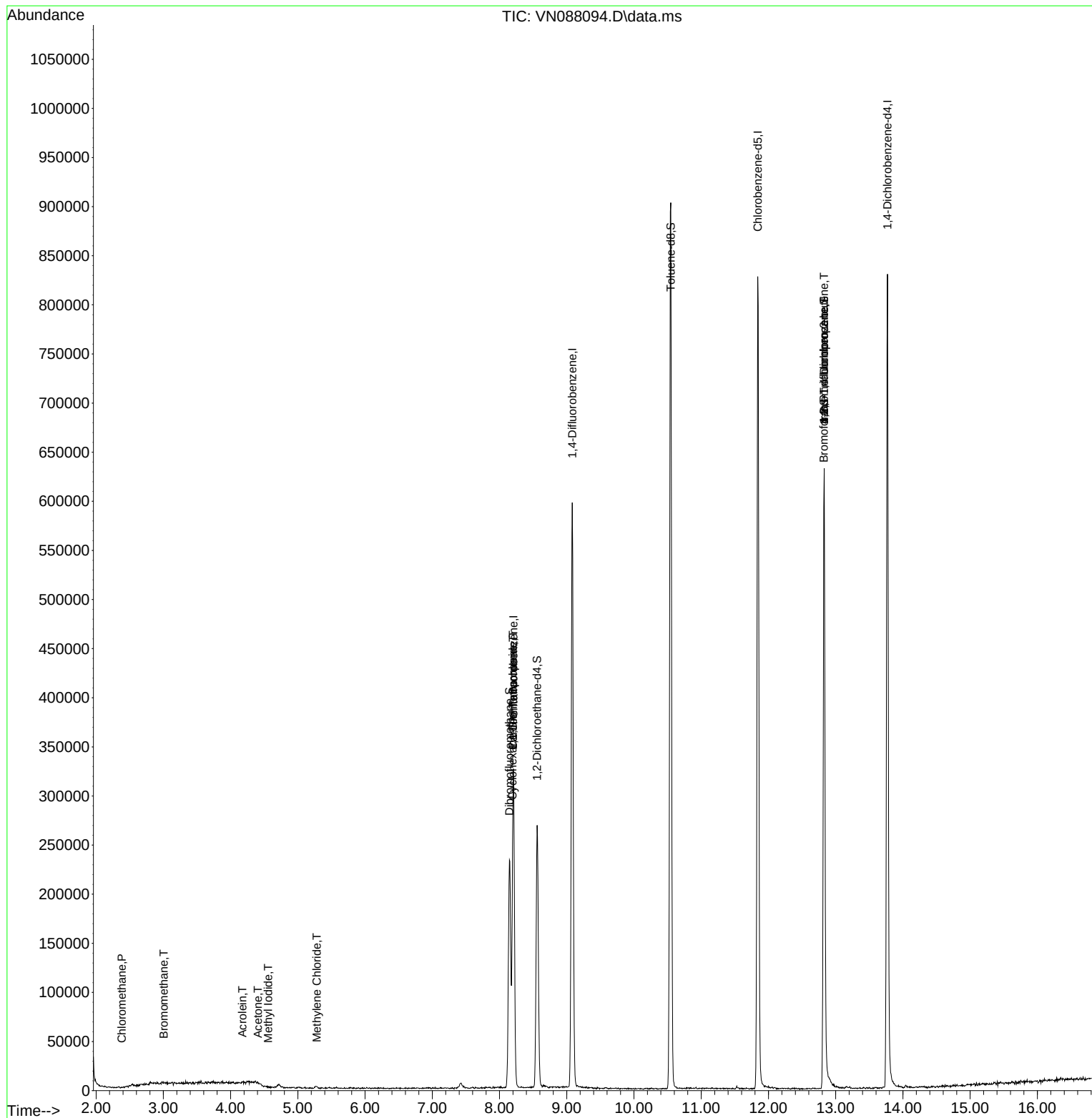
Internal Standards						
1) Pentafluorobenzene	8.206	168	218186	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	487721	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	460792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	220162	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	222419	58.952	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.900%			
35) Dibromofluoromethane	8.147	113	168734	51.498	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.000%			
50) Toluene-d8	10.547	98	619295	49.053	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.100%			
62) 4-Bromofluorobenzene	12.829	95	233978	52.477	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.960%			
Target Compounds						Qvalue
3) Chloromethane	2.383	50	687	0.237	ug/l #	42
5) Bromomethane	3.006	94	796	0.422	ug/l #	59
10) Methyl Iodide	4.559	142	58	4.232	ug/l #	38
13) Acrolein	4.177	56	166	0.227	ug/l #	14
16) Acetone	4.406	43	2006	1.058	ug/l	98
20) Methylene Chloride	5.283	84	1390	1.237	ug/l #	73
31) Cyclohexane	8.194	56	6395	1.211	ug/l #	46
36) 1,1-Dichloropropene	8.200	75	21632	4.522	ug/l #	52
38) Carbon Tetrachloride	8.200	117	25683	5.198	ug/l #	16
71) Bromoform	12.823	173	1435	0.561	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	132250	26.274	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	132250	73.291	ug/l #	1

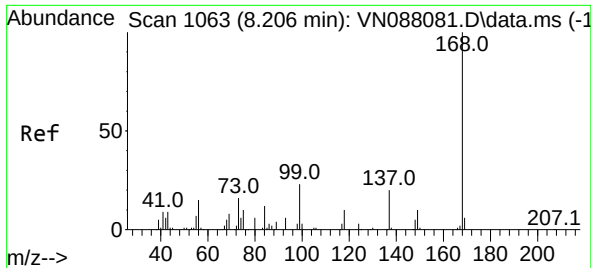
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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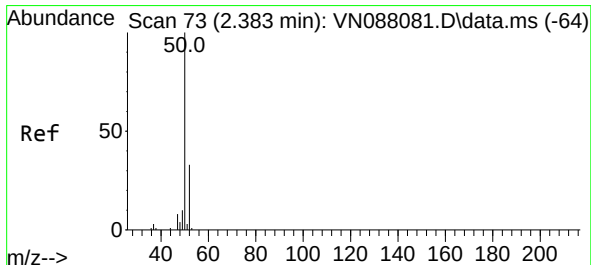
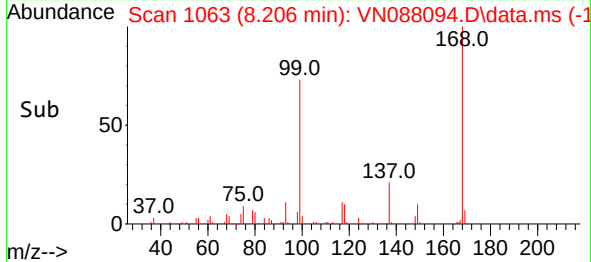
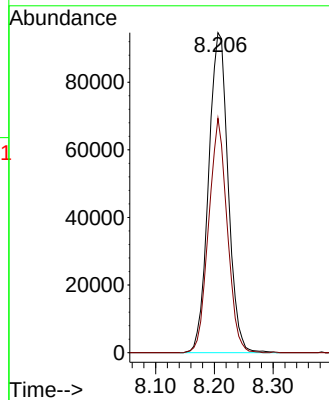
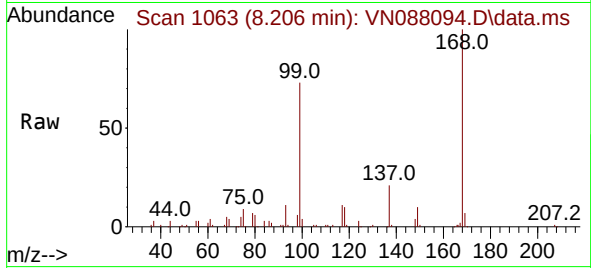




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

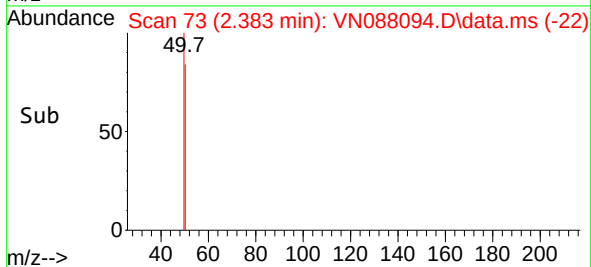
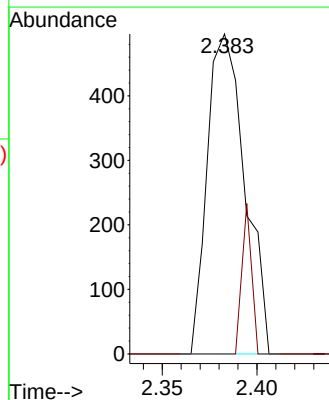
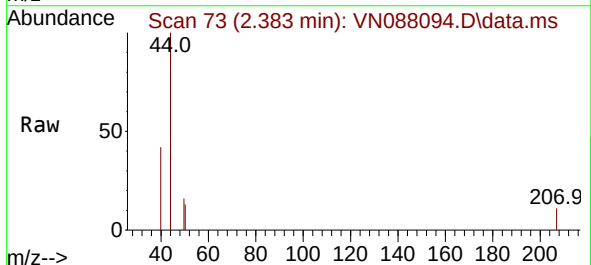
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

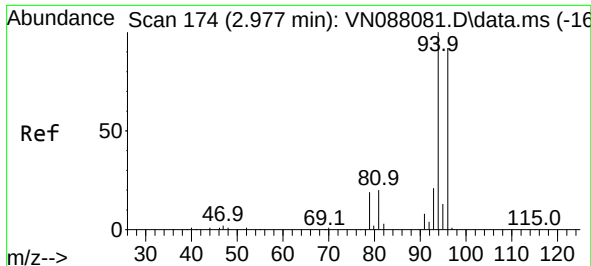
Tgt Ion:168 Resp: 218186
Ion Ratio Lower Upper
168 100
99 73.3 57.2 85.8



#3
Chloromethane
Concen: 0.237 ug/l
RT: 2.383 min Scan# 73
Delta R.T. -0.000 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

Tgt Ion: 50 Resp: 687
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.4#

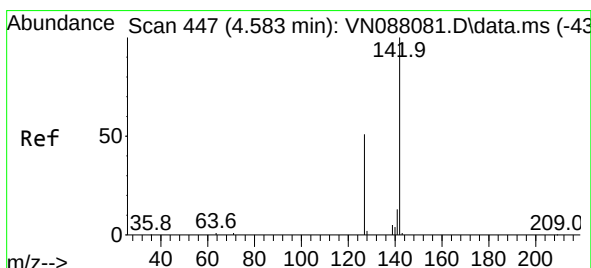
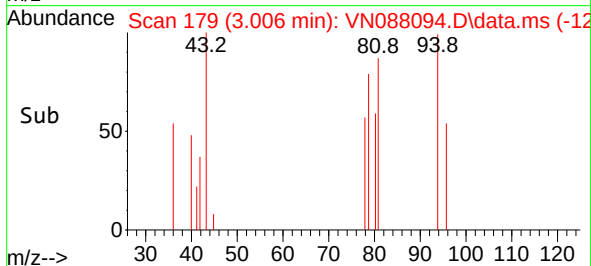
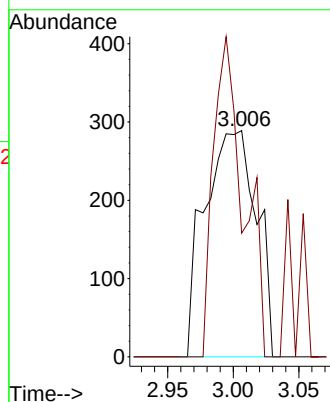
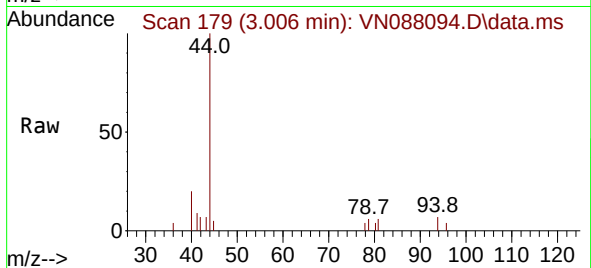




#5
Bromomethane
Concen: 0.422 ug/l
RT: 3.006 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

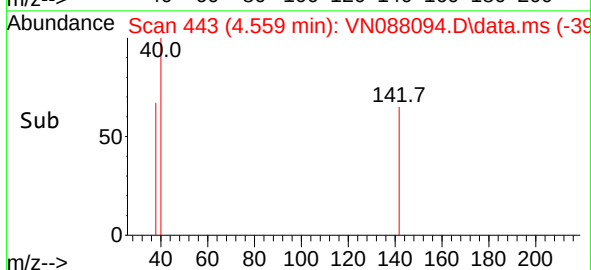
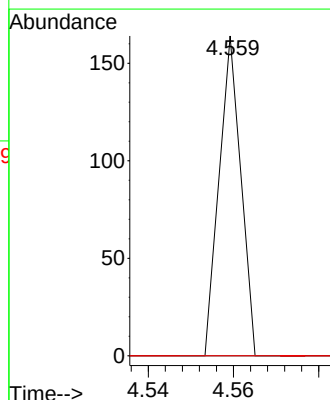
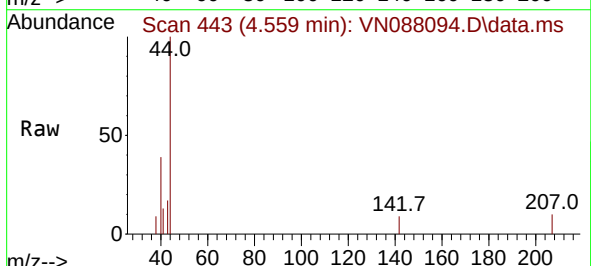
Instrument :
MSVOA_N
ClientSampleId :
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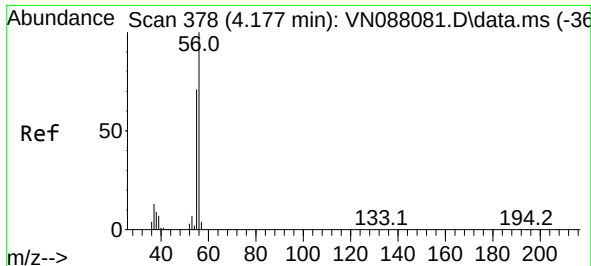
Tgt Ion: 94 Resp: 796
Ion Ratio Lower Upper
94 100
96 54.7 75.4 113.2#



#10
Methyl Iodide
Concen: 4.232 ug/l
RT: 4.559 min Scan# 443
Delta R.T. -0.018 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

Tgt Ion:142 Resp: 58
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#

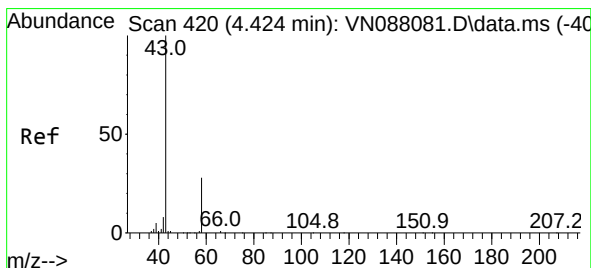
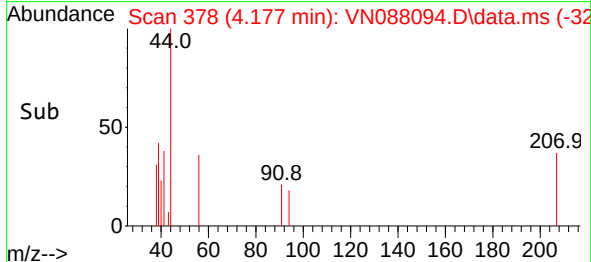
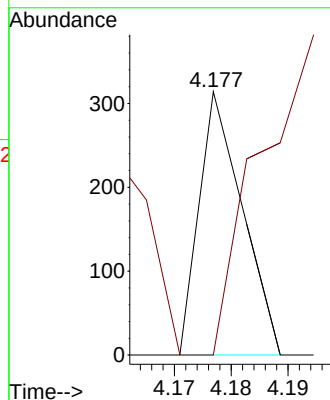
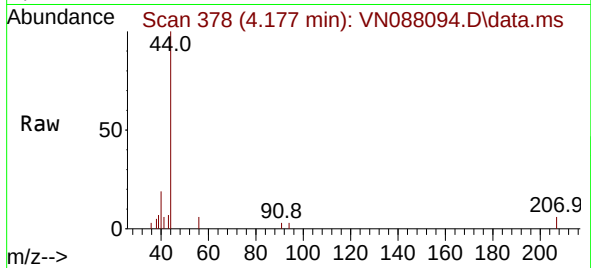




#13
Acrolein
Concen: 0.227 ug/l
RT: 4.177 min Scan# 317
Delta R.T. 0.006 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

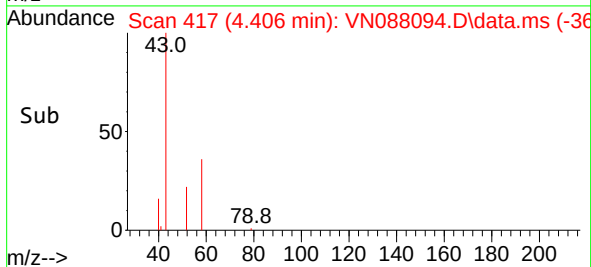
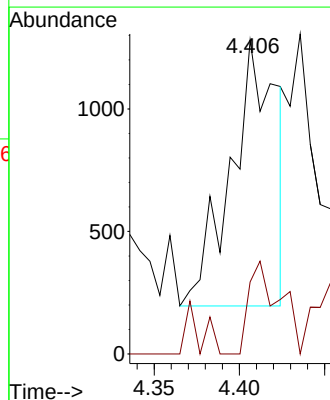
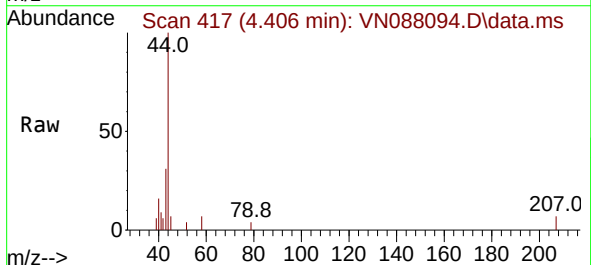
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

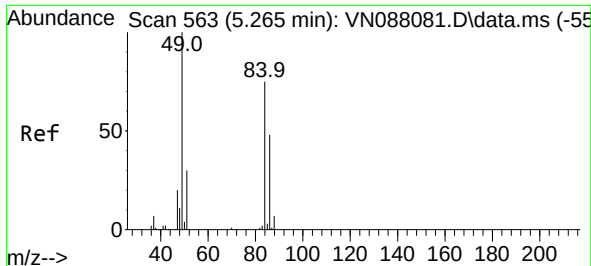
Tgt Ion: 56 Resp: 166
Ion Ratio Lower Upper
56 100
55 0.0 57.3 85.9#



#16
Acetone
Concen: 1.058 ug/l
RT: 4.406 min Scan# 417
Delta R.T. -0.018 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

Tgt Ion: 43 Resp: 2006
Ion Ratio Lower Upper
43 100
58 27.1 22.6 33.8

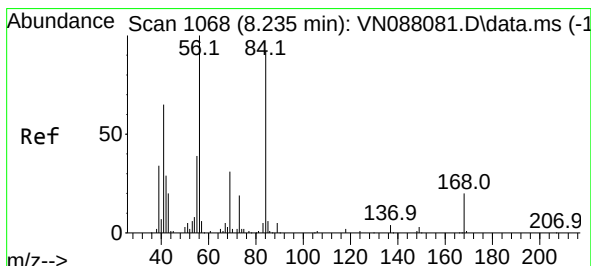
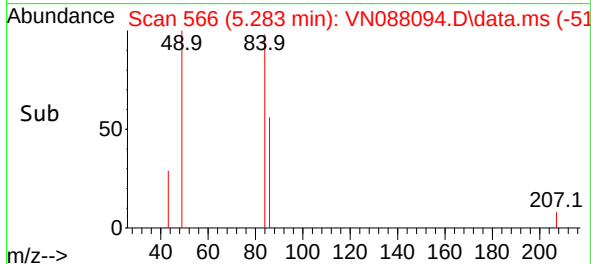
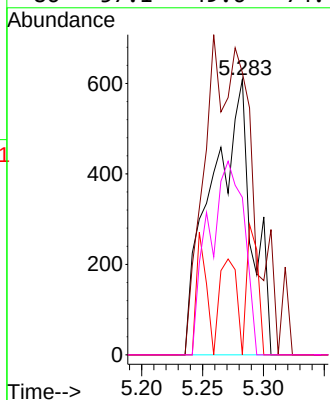
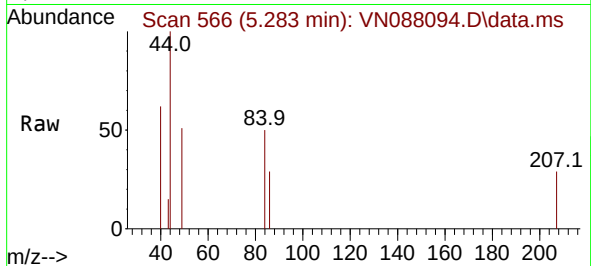




#20
Methylene Chloride
Concen: 1.237 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

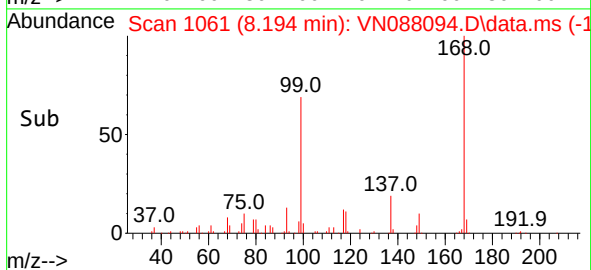
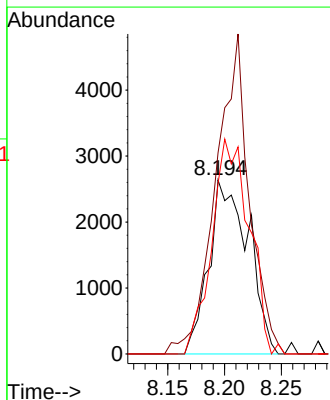
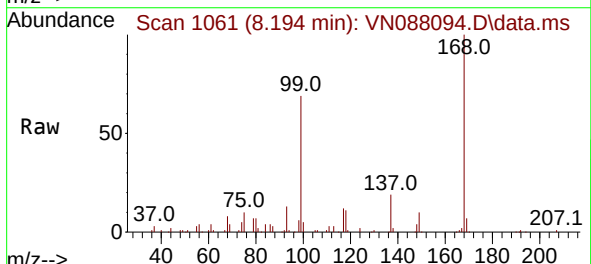
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

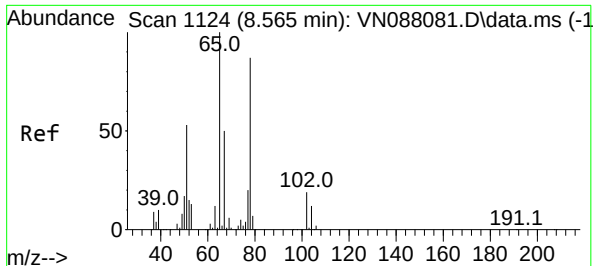
Tgt Ion:	84	Resp:	1390
Ion	Ratio	Lower	Upper
84	100		
49	102.5	103.4	155.2#
51	0.0	33.8	50.8#
86	57.1	49.6	74.4



#31
Cyclohexane
Concen: 1.211 ug/l
RT: 8.194 min Scan# 1061
Delta R.T. -0.041 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

Tgt Ion:	56	Resp:	6395
Ion	Ratio	Lower	Upper
56	100		
69	109.6	23.7	35.5#
84	98.0	64.7	97.1#





#33

1,2-Dichloroethane-d4

Concen: 58.952 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088094.D

Acq: 24 Oct 2025 15:18

Instrument :

MSVOA_N

ClientSampleId :

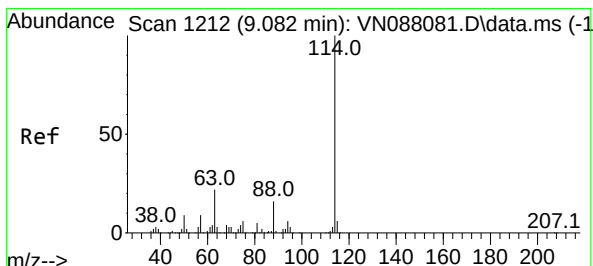
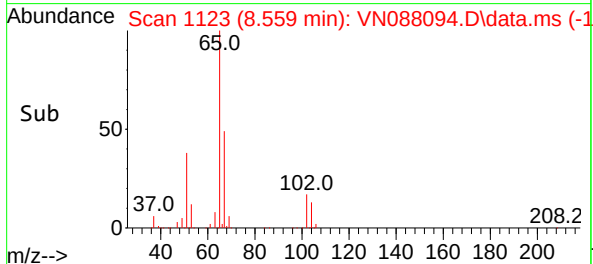
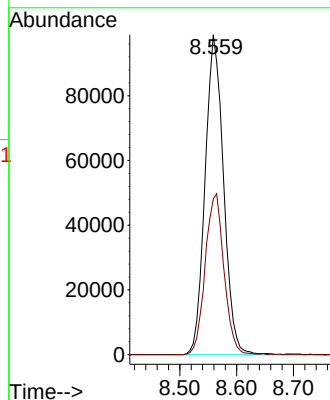
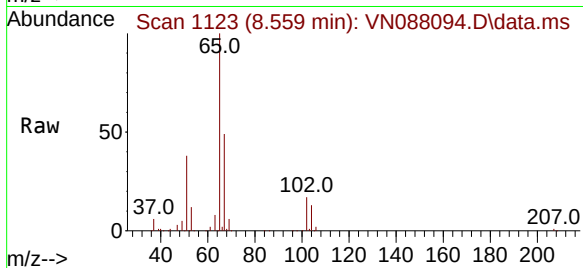
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 65 Resp: 222419

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# 1212

Delta R.T. -0.000 min

Lab File: VN088094.D

Acq: 24 Oct 2025 15:18

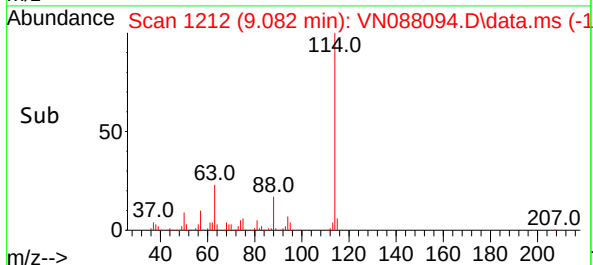
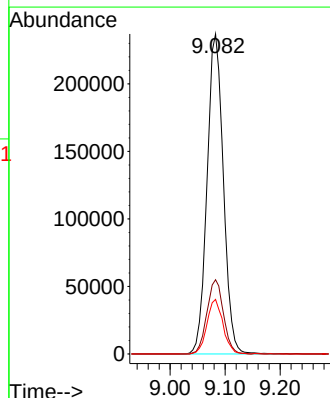
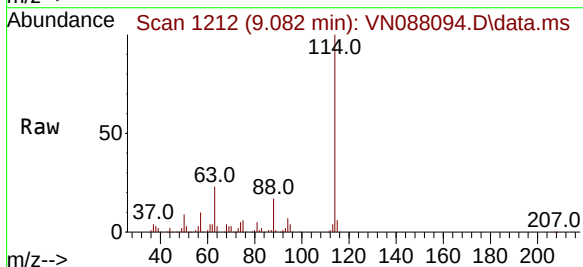
Tgt Ion: 114 Resp: 487721

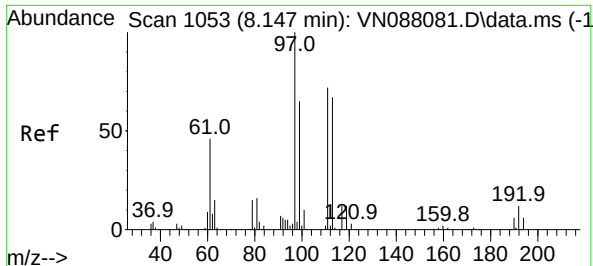
Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.2

88 17.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.498 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088094.D

Acq: 24 Oct 2025 15:18

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

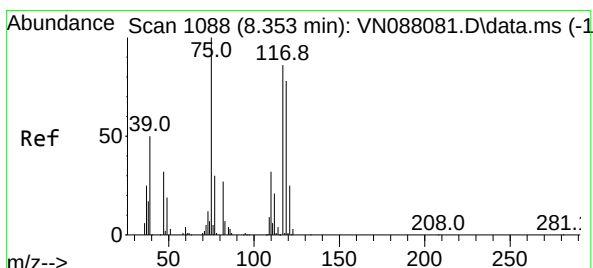
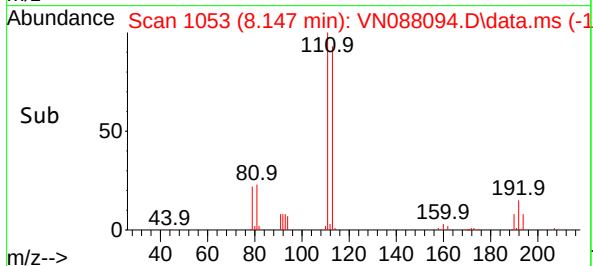
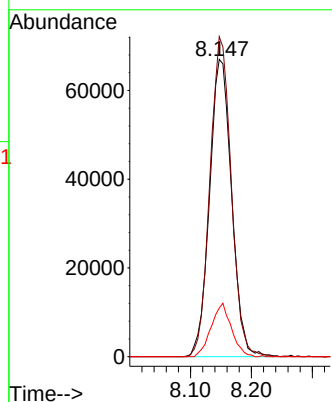
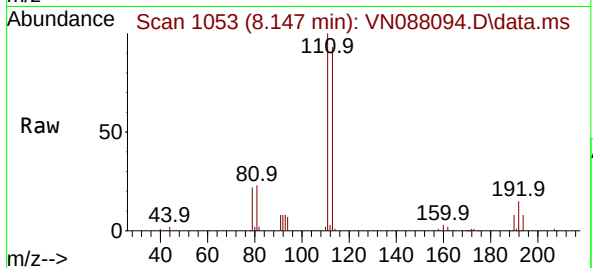
Tgt Ion:113 Resp: 168734

Ion Ratio Lower Upper

113 100

111 103.5 82.8 124.2

192 16.4 12.8 19.2



#36

1,1-Dichloropropene

Concen: 4.522 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN088094.D

Acq: 24 Oct 2025 15:18

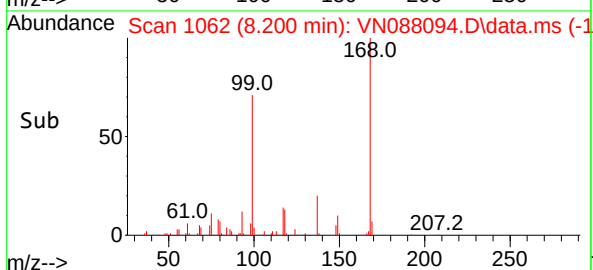
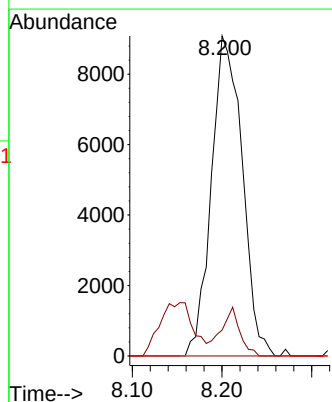
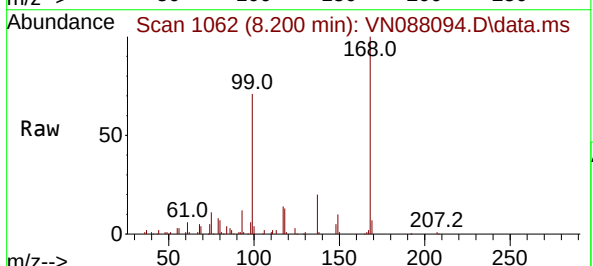
Tgt Ion: 75 Resp: 21632

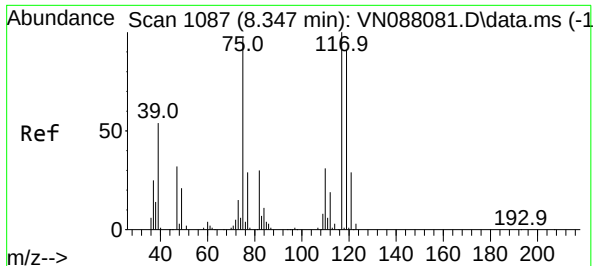
Ion Ratio Lower Upper

75 100

110 9.5 15.9 47.6#

77 0.0 24.4 36.6#

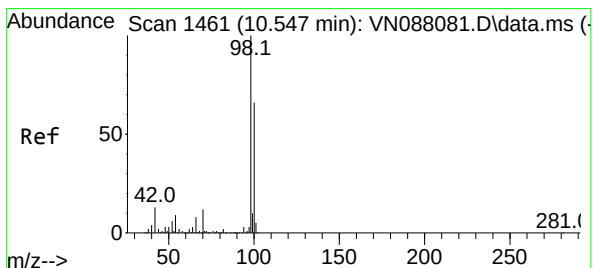
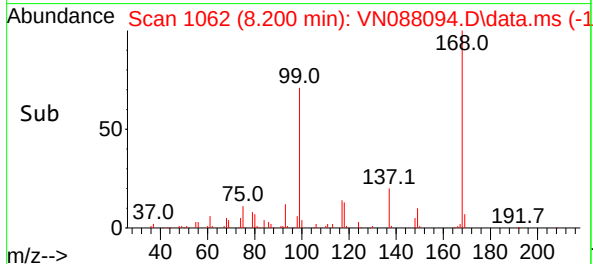
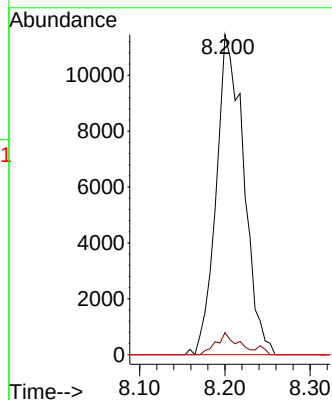
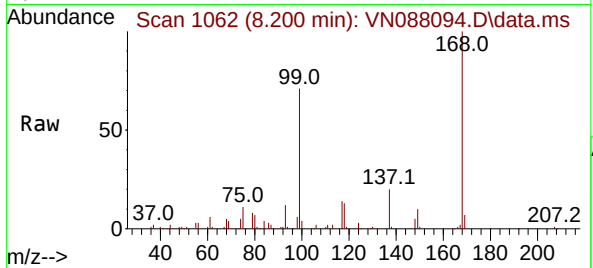




#38
Carbon Tetrachloride
Concen: 5.198 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.141 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

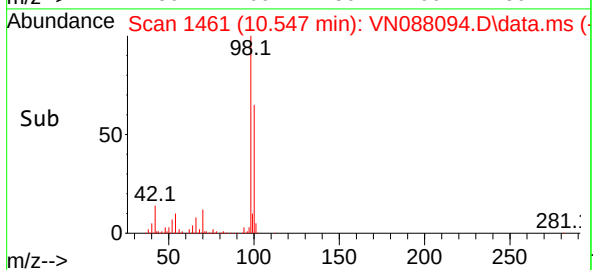
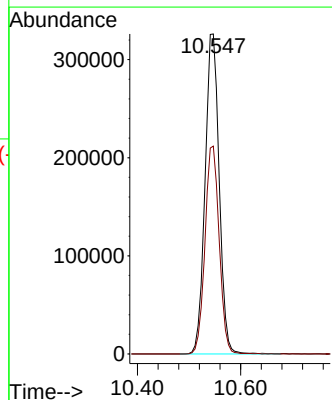
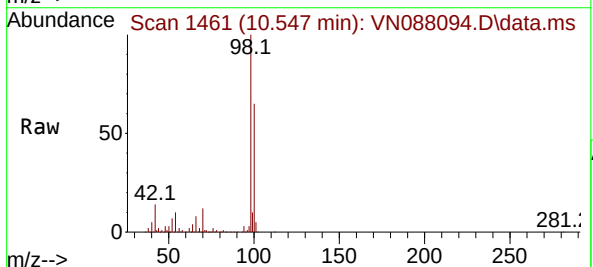
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

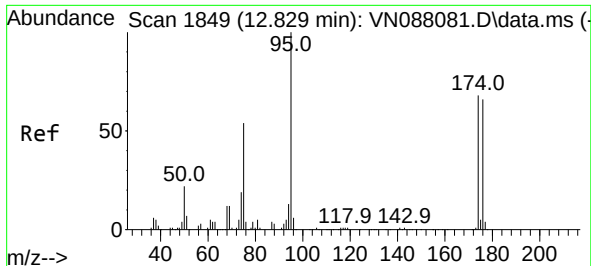
Tgt Ion: 117 Resp: 25683
Ion Ratio Lower Upper
117 100
119 6.9 79.0 118.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 49.053 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

Tgt Ion: 98 Resp: 619295
Ion Ratio Lower Upper
98 100
100 65.2 52.8 79.2

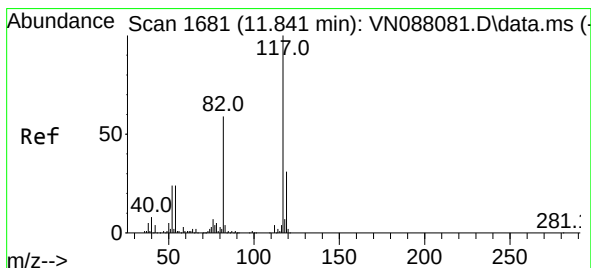
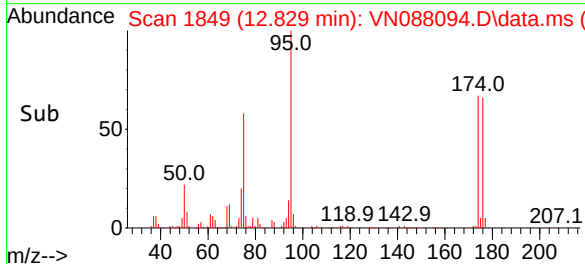
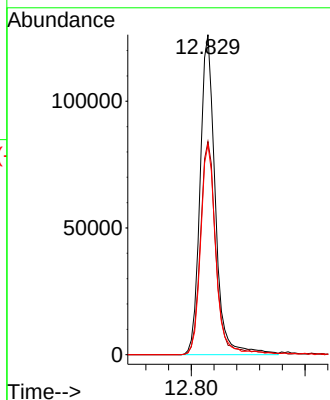
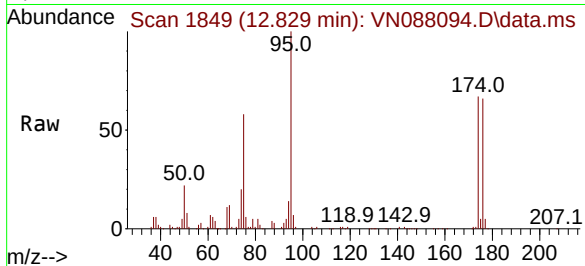




#62
4-Bromofluorobenzene
Concen: 52.477 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

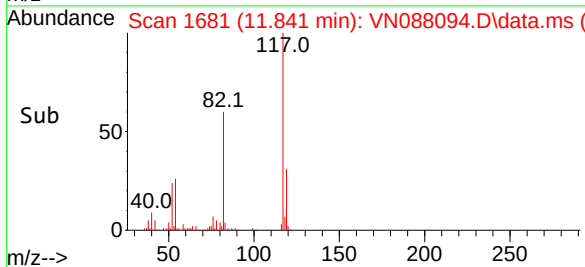
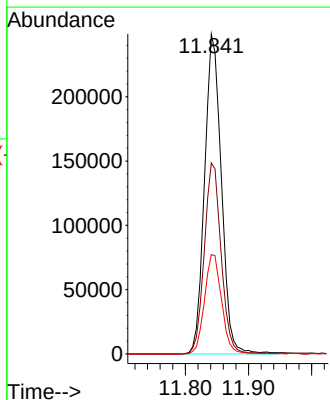
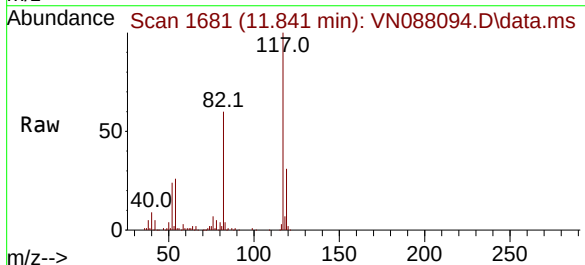
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

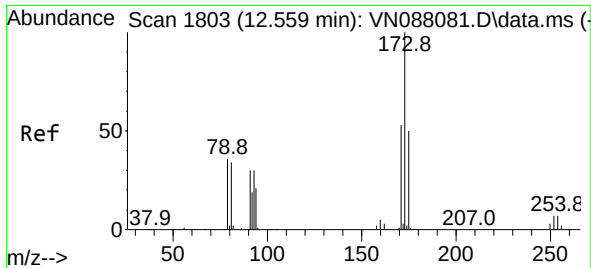
Tgt Ion: 95 Resp: 233978
Ion Ratio Lower Upper
95 100
174 68.1 0.0 138.4
176 64.7 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

Tgt Ion: 117 Resp: 460792
Ion Ratio Lower Upper
117 100
82 59.7 47.4 71.2
119 31.0 24.3 36.5

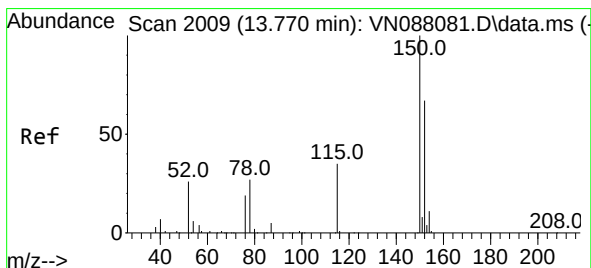
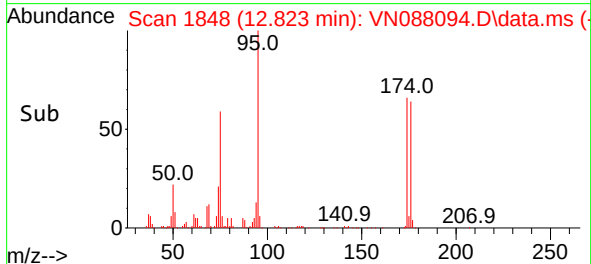
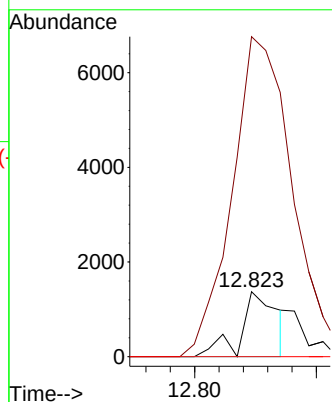
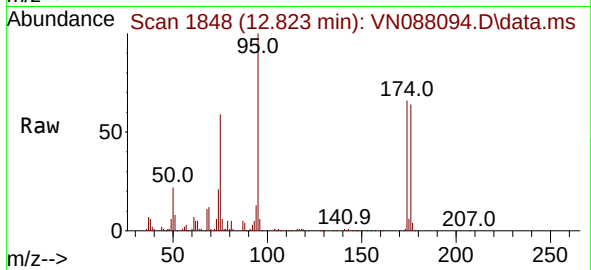




#71
Bromoform
Concen: 0.561 ug/l
RT: 12.823 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

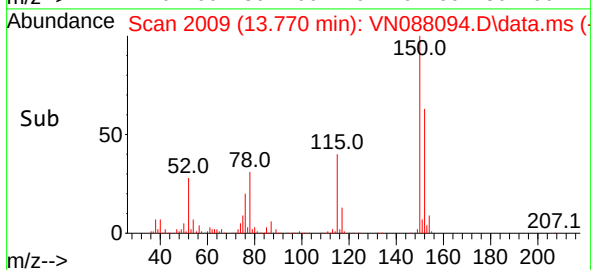
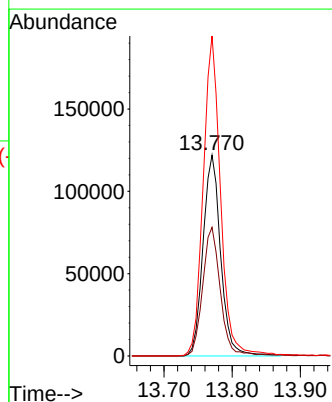
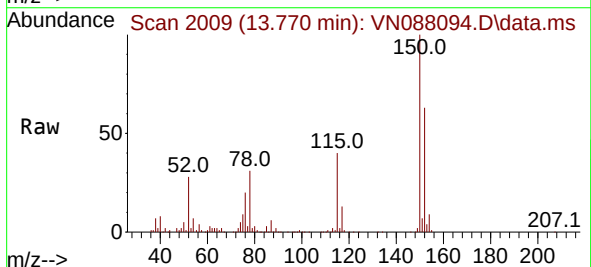
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

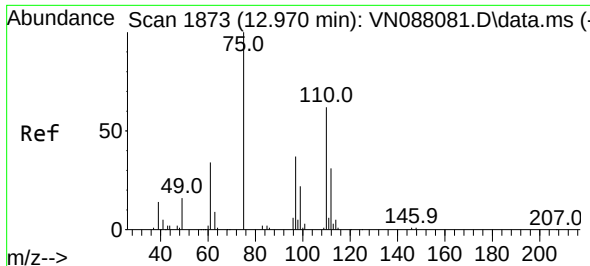
Tgt Ion:173 Resp: 1435
Ion Ratio Lower Upper
173 100
175 652.8 24.9 74.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

Tgt Ion:152 Resp: 220162
Ion Ratio Lower Upper
152 100
115 64.4 32.3 96.8
150 157.0 0.0 351.0

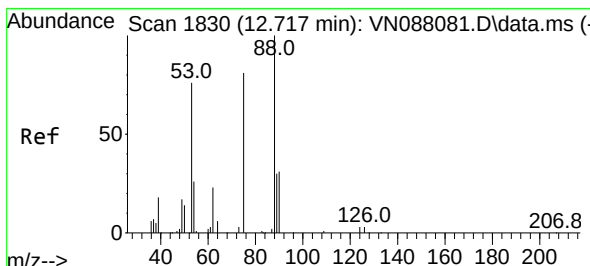
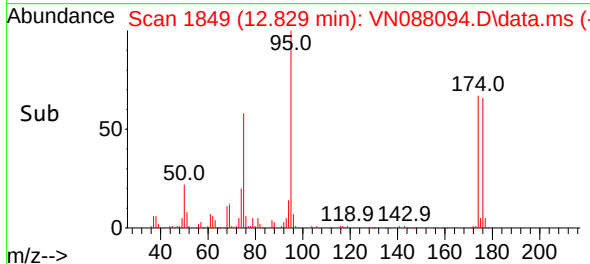
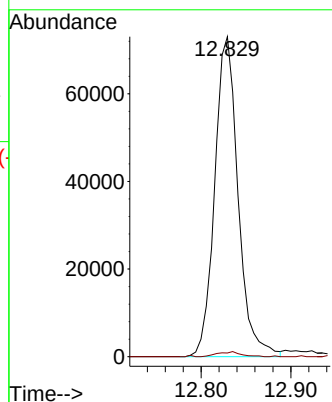
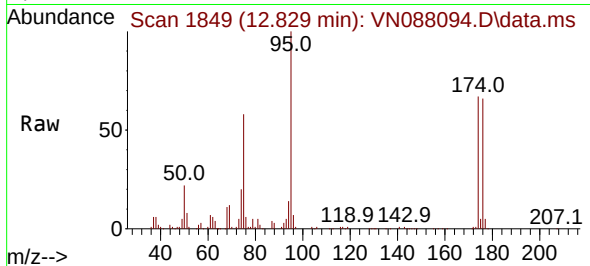




#76
1,2,3-Trichloropropane
Concen: 26.274 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 75 Resp: 132250
Ion Ratio Lower Upper
75 100
77 1.6 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.291 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088094.D
Acq: 24 Oct 2025 15:18

Tgt Ion: 75 Resp: 132250
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.2 35.6 53.4#

