

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088098.D
 Acq On : 24 Oct 2025 16:41
 Operator : JC\MD
 Sample : Q3463-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Oct 25 01:08:06 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)

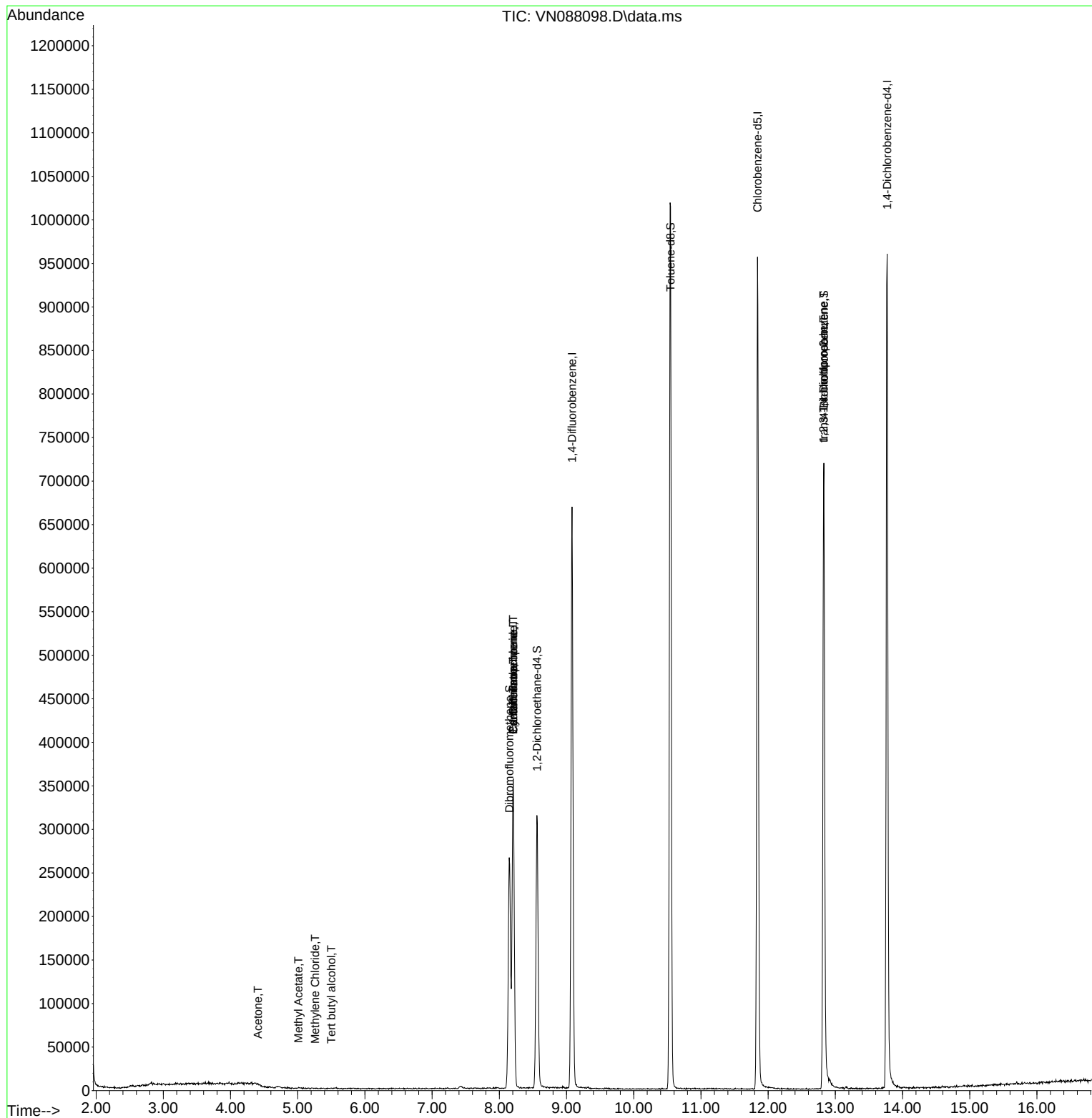
Internal Standards						
1) Pentafluorobenzene	8.206	168	240302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	541591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	517069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	255683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	260134	62.603	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 125.200%#	
35) Dibromofluoromethane	8.148	113	189342	52.039	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.080%	
50) Toluene-d8	10.547	98	690069	49.222	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.440%	
62) 4-Bromofluorobenzene	12.830	95	272274	54.992	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 109.980%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.501	59	253	0.353	ug/l #	71
16) Acetone	4.407	43	1620	0.776	ug/l #	47
18) Methyl Acetate	5.013	43	891	0.208	ug/l #	54
20) Methylene Chloride	5.260	84	179	0.827	ug/l #	64
31) Cyclohexane	8.206	56	7500	1.289	ug/l #	1
36) 1,1-Dichloropropene	8.206	75	23293	4.385	ug/l #	52
38) Carbon Tetrachloride	8.206	117	28242	5.147	ug/l #	13
76) 1,2,3-Trichloropropane	12.824	75	152720	26.125	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.824	75	152720	72.877	ug/l #	1

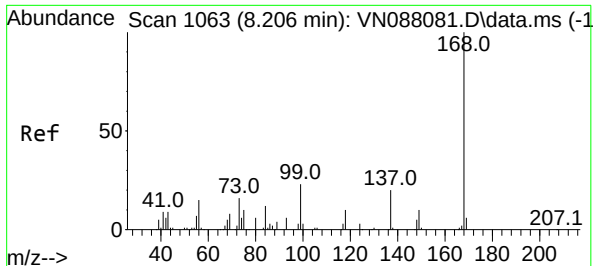
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
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Quant Time: Oct 25 01:08:06 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

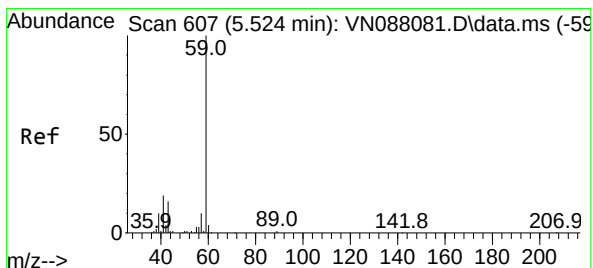
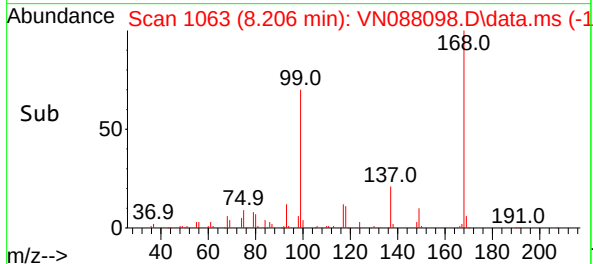
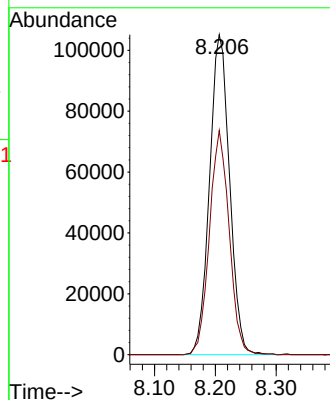
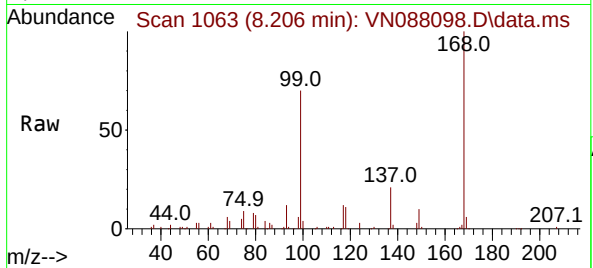




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088098.D
Acq: 24 Oct 2025 16:41

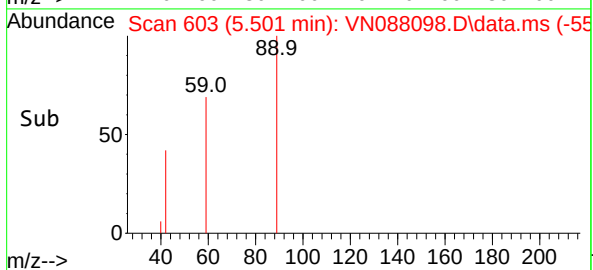
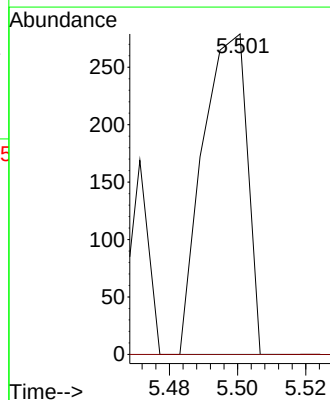
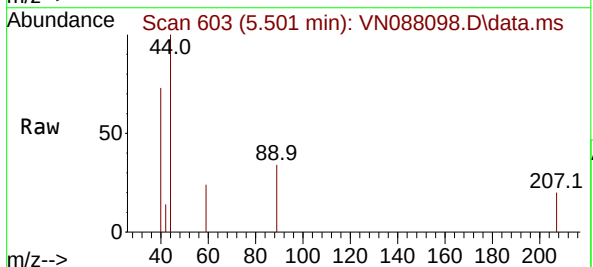
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

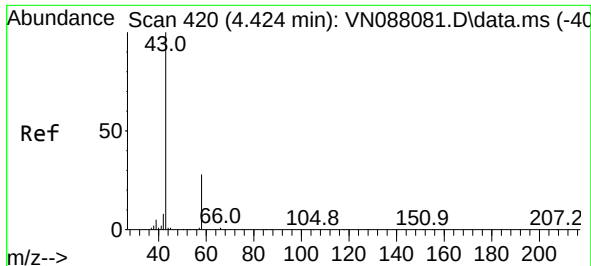
Tgt Ion:168 Resp: 240302
Ion Ratio Lower Upper
168 100
99 70.1 57.2 85.8



#11
Tert butyl alcohol
Concen: 0.353 ug/l
RT: 5.501 min Scan# 603
Delta R.T. -0.017 min
Lab File: VN088098.D
Acq: 24 Oct 2025 16:41

Tgt Ion: 59 Resp: 253
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

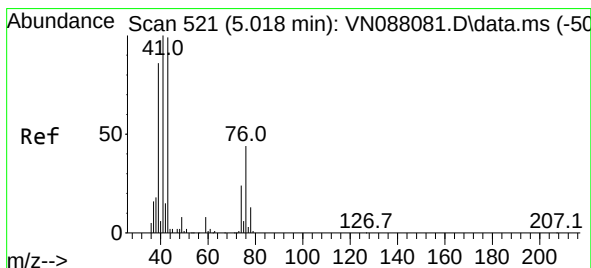
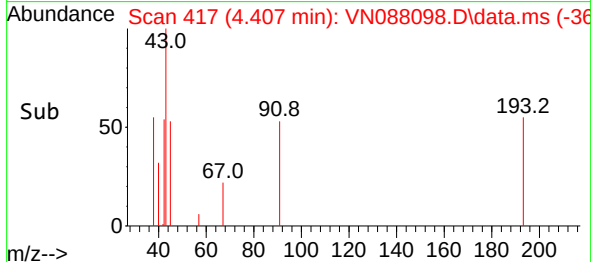
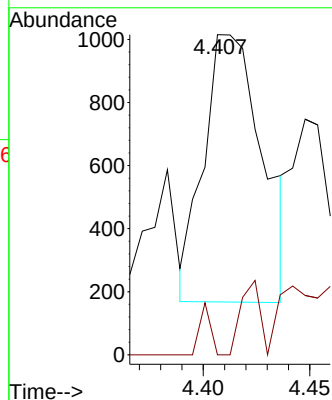
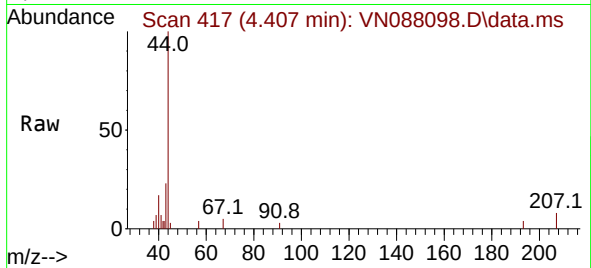




#16
Acetone
Concen: 0.776 ug/l
RT: 4.407 min Scan# 417
Delta R.T. -0.017 min
Lab File: VN088098.D
Acq: 24 Oct 2025 16:41

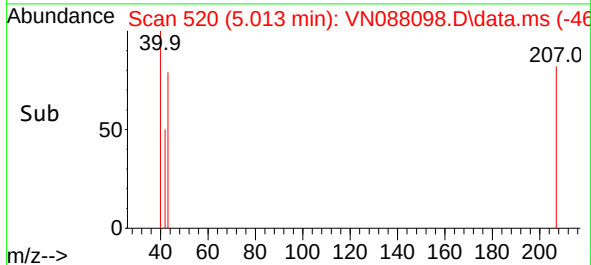
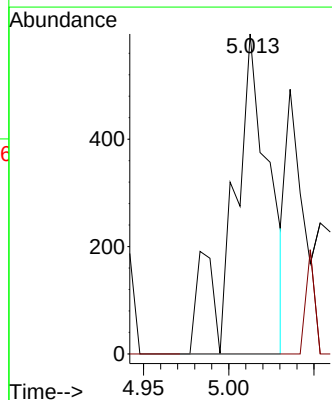
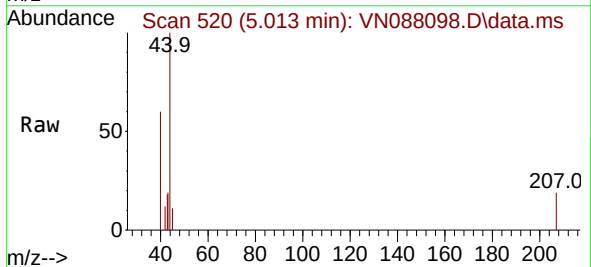
Instrument :
MSVOA_N
ClientSampleId :
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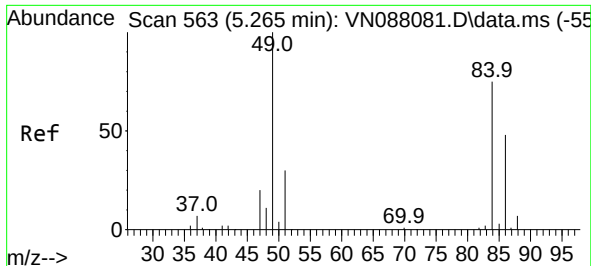
Tgt Ion: 43 Resp: 1620
Ion Ratio Lower Upper
43 100
58 0.0 22.6 33.8#



#18
Methyl Acetate
Concen: 0.208 ug/l
RT: 5.013 min Scan# 520
Delta R.T. 0.000 min
Lab File: VN088098.D
Acq: 24 Oct 2025 16:41

Tgt Ion: 43 Resp: 891
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#

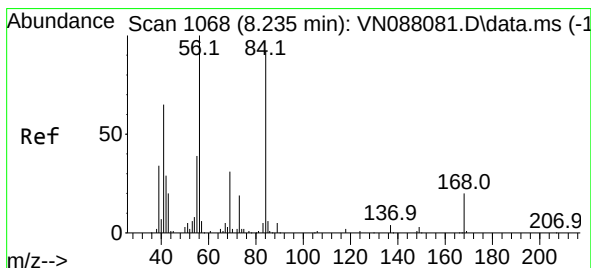
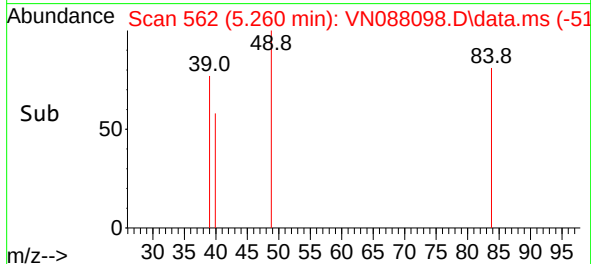
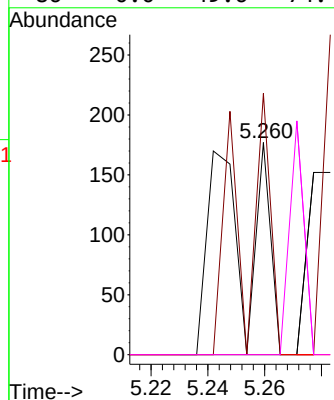
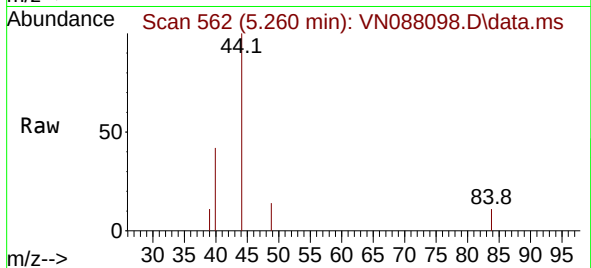




#20
Methylene Chloride
Concen: 0.827 ug/l
RT: 5.260 min Scan# 51
Delta R.T. -0.005 min
Lab File: VN088098.D
Acq: 24 Oct 2025 16:41

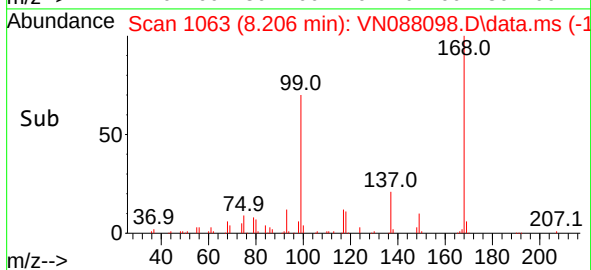
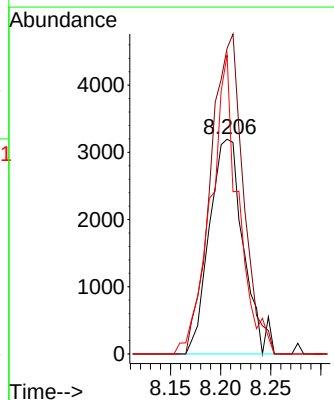
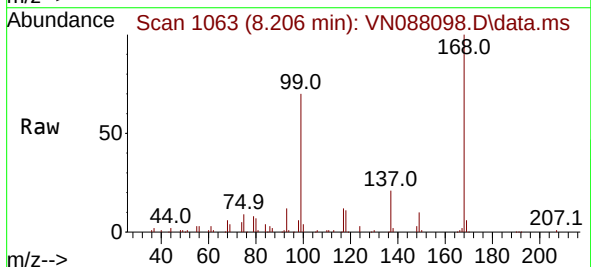
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

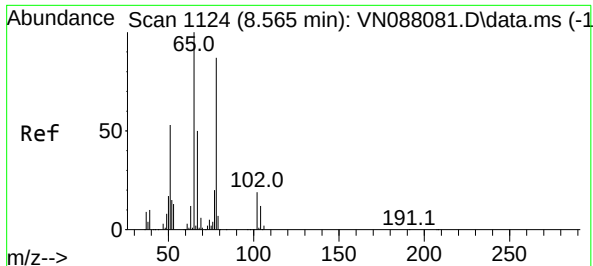
Tgt Ion:	84	Resp:	179
Ion	Ratio	Lower	Upper
84	100		
49	123.2	103.4	155.2
51	0.0	33.8	50.8#
86	0.0	49.6	74.4#



#31
Cyclohexane
Concen: 1.289 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088098.D
Acq: 24 Oct 2025 16:41

Tgt Ion:	56	Resp:	7500
Ion	Ratio	Lower	Upper
56	100		
69	142.3	23.7	35.5#
84	139.1	64.7	97.1#





#33

1,2-Dichloroethane-d4

Concen: 62.603 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088098.D

Acq: 24 Oct 2025 16:41

Instrument :

MSVOA_N

ClientSampleId :

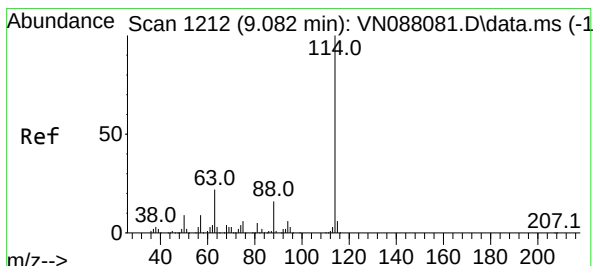
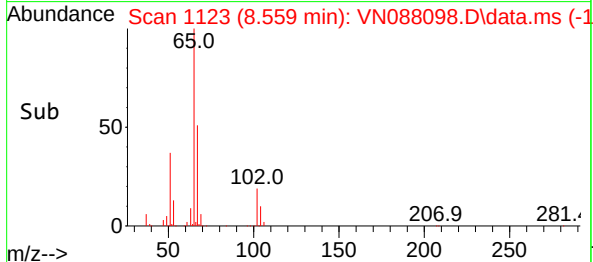
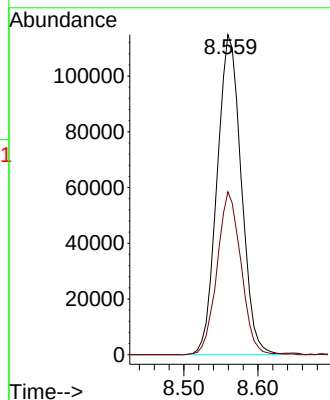
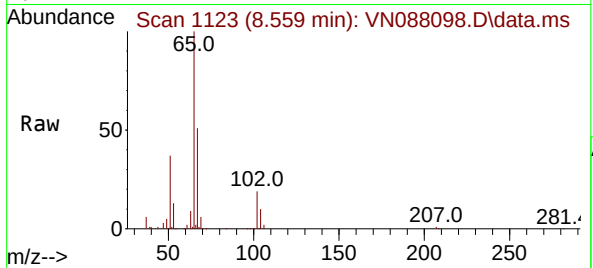
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 65 Resp: 260134

Ion Ratio Lower Upper

65 100

67 50.5 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088098.D

Acq: 24 Oct 2025 16:41

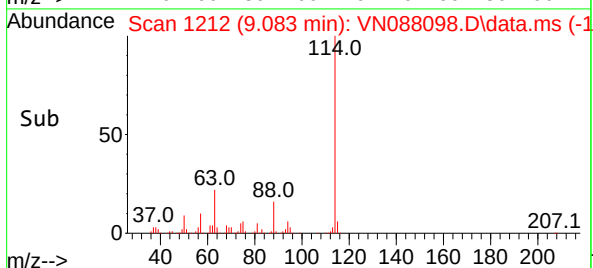
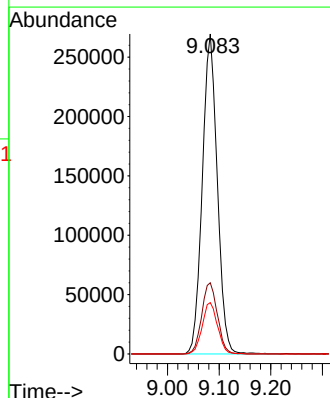
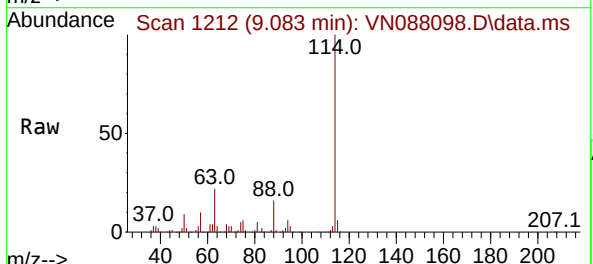
Tgt Ion: 114 Resp: 541591

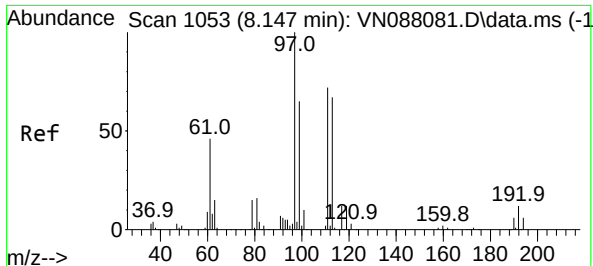
Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.2

88 16.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 52.039 ug/l

RT: 8.148 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088098.D

Acq: 24 Oct 2025 16:41

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

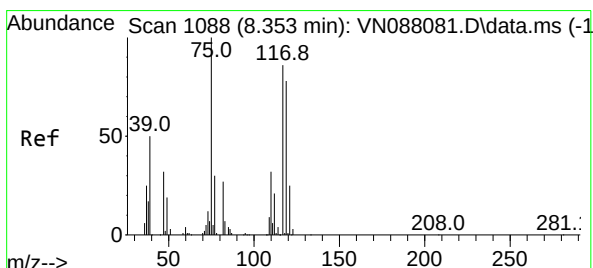
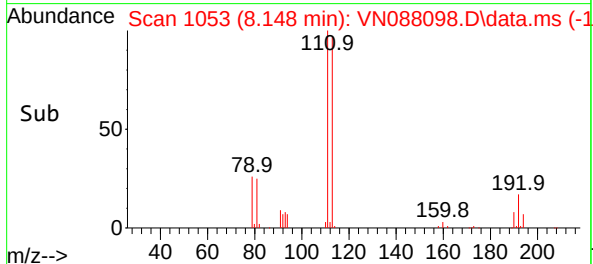
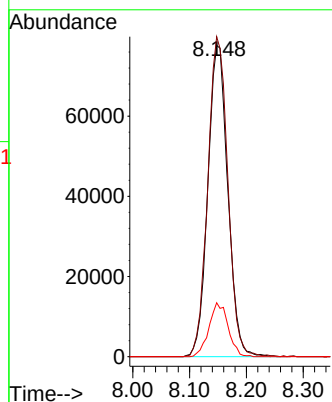
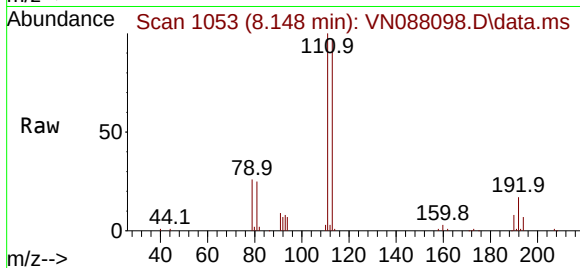
Tgt Ion:113 Resp: 189342

Ion Ratio Lower Upper

113 100

111 103.1 82.8 124.2

192 16.6 12.8 19.2



#36

1,1-Dichloropropene

Concen: 4.385 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088098.D

Acq: 24 Oct 2025 16:41

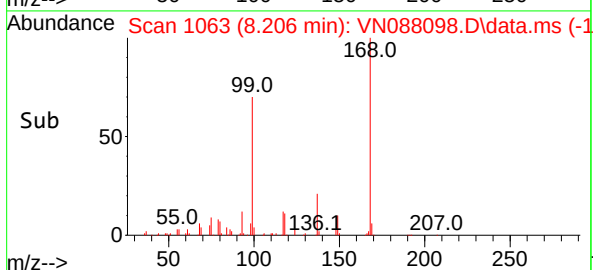
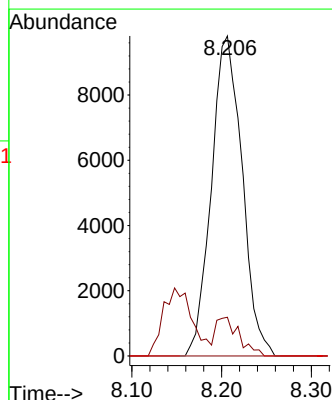
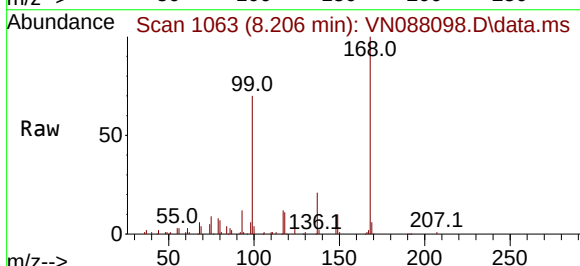
Tgt Ion: 75 Resp: 23293

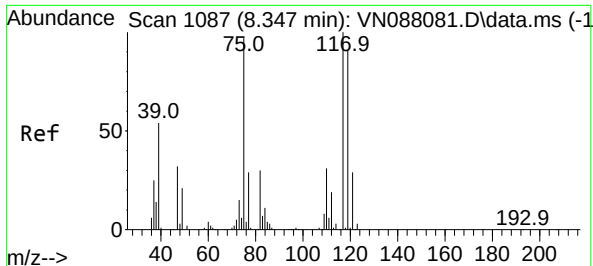
Ion Ratio Lower Upper

75 100

110 9.1 15.9 47.6#

77 0.0 24.4 36.6#

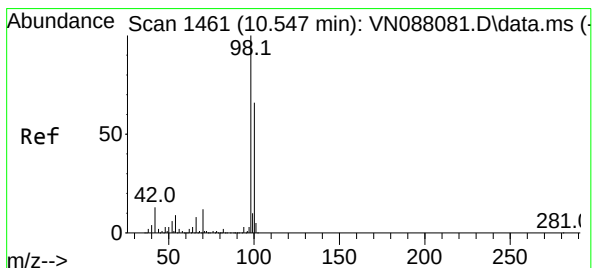
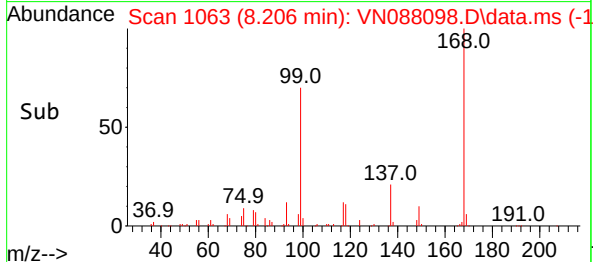
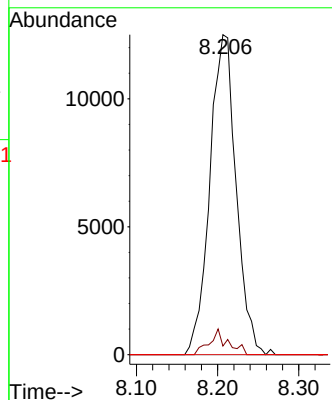
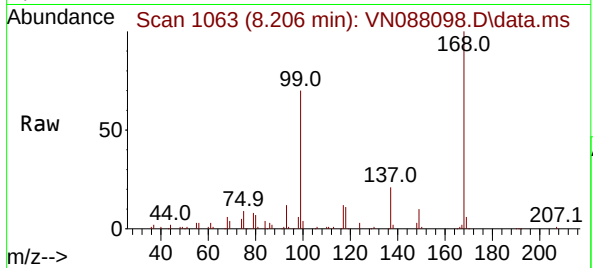




#38
Carbon Tetrachloride
Concen: 5.147 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN088098.D
Acq: 24 Oct 2025 16:41

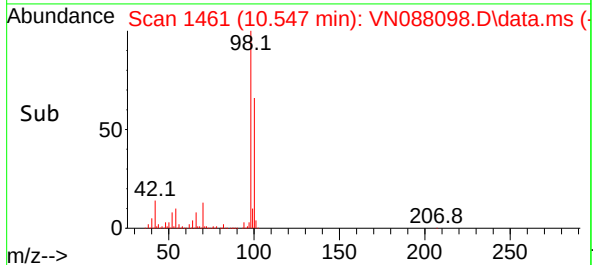
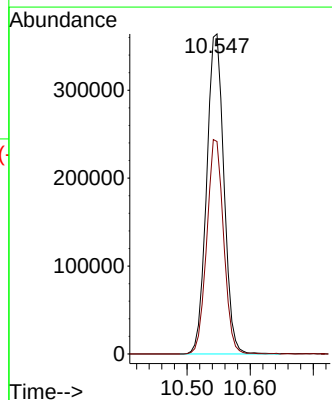
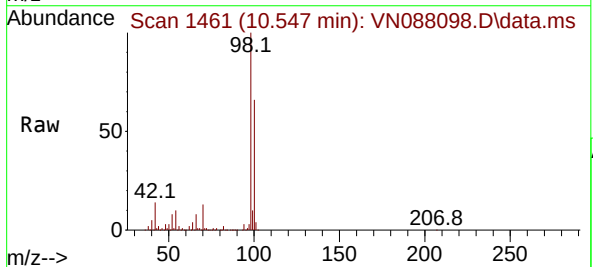
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STORAGE-BLANK-WATER-REF-4

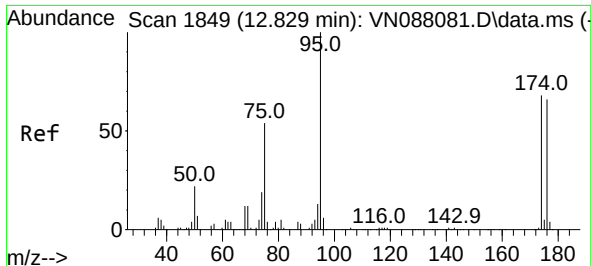
Tgt Ion:117 Resp: 28242
Ion Ratio Lower Upper
117 100
119 2.7 79.0 118.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 49.222 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088098.D
Acq: 24 Oct 2025 16:41

Tgt Ion: 98 Resp: 690069
Ion Ratio Lower Upper
98 100
100 65.3 52.8 79.2

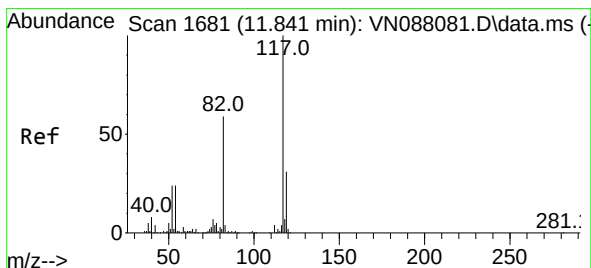
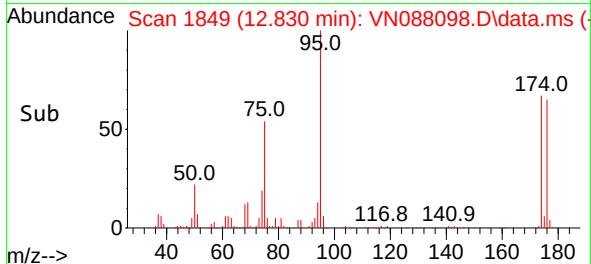
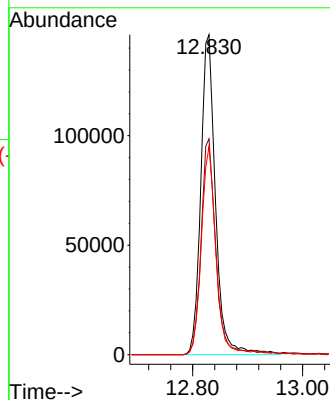
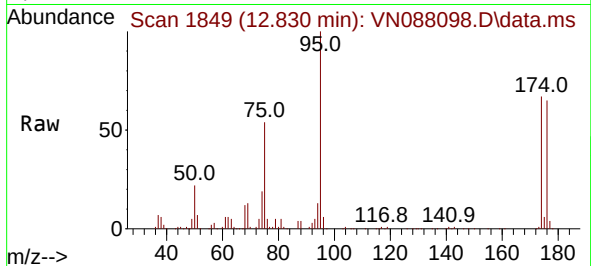




#62
4-Bromofluorobenzene
Concen: 54.992 ug/l
RT: 12.830 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088098.D
Acq: 24 Oct 2025 16:41

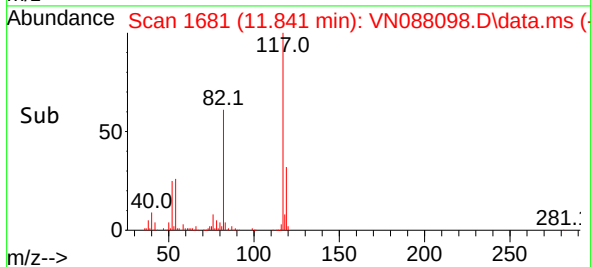
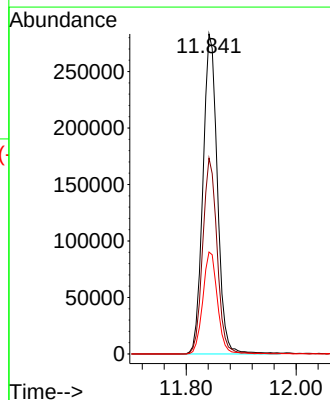
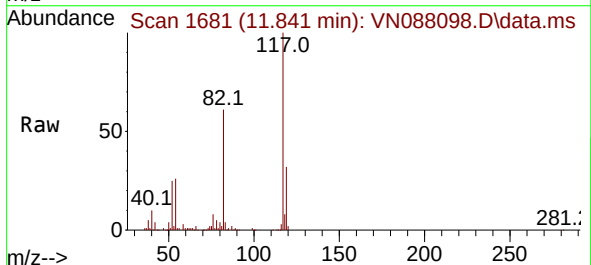
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

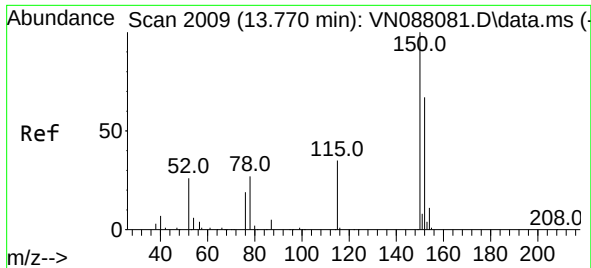
Tgt Ion: 95 Resp: 272274
Ion Ratio Lower Upper
95 100
174 67.4 0.0 138.4
176 63.8 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN088098.D
Acq: 24 Oct 2025 16:41

Tgt Ion: 117 Resp: 517069
Ion Ratio Lower Upper
117 100
82 61.2 47.4 71.2
119 31.9 24.3 36.5

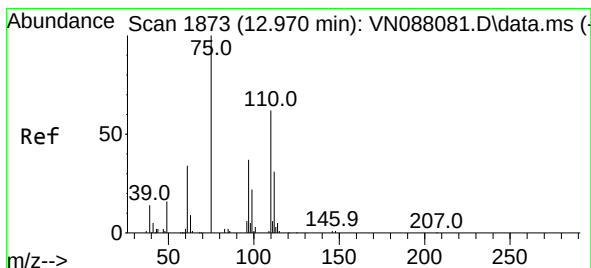
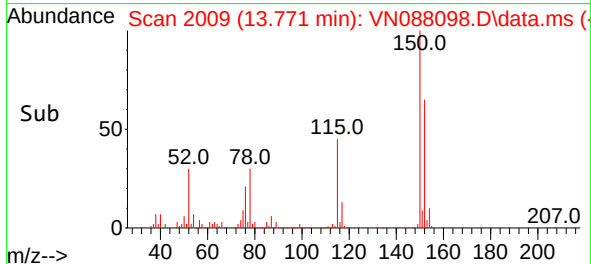
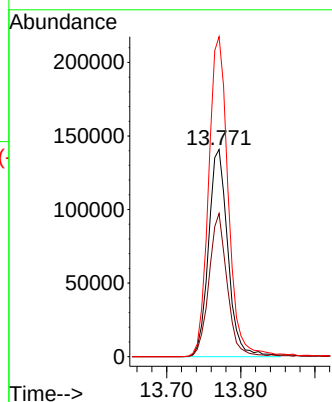
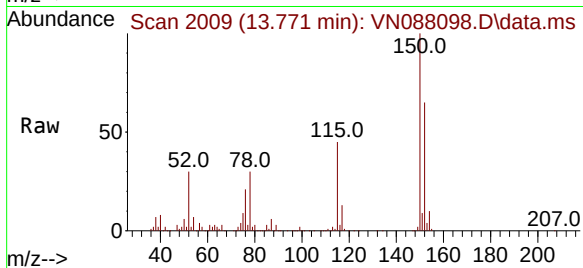




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.771 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN088098.D
 Acq: 24 Oct 2025 16:41

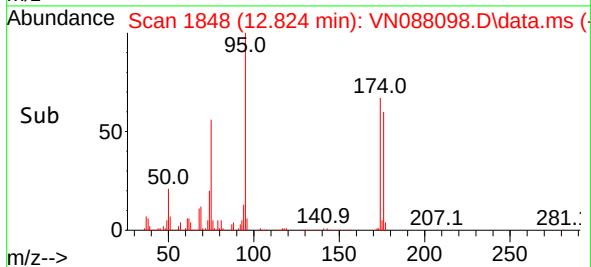
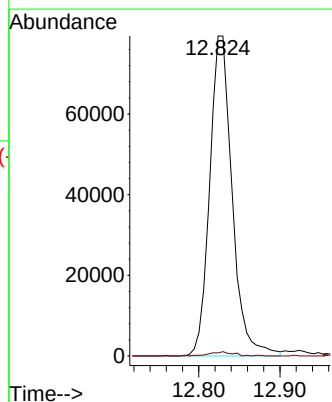
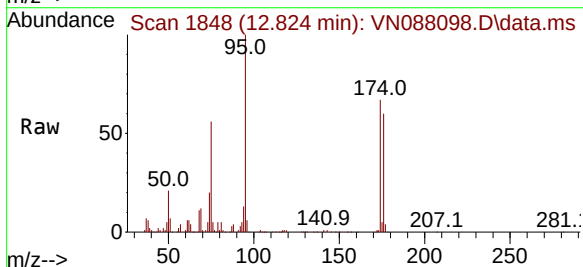
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

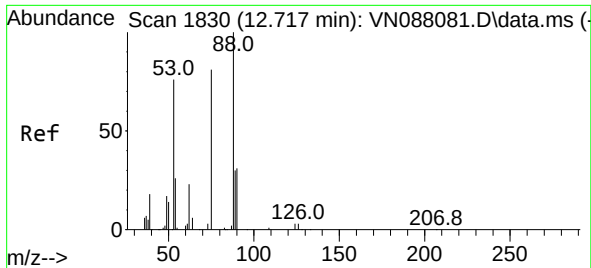
Tgt Ion:152 Resp: 255683
 Ion Ratio Lower Upper
 152 100
 115 65.5 32.3 96.8
 150 157.2 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 26.125 ug/l
 RT: 12.824 min Scan# 1848
 Delta R.T. -0.147 min
 Lab File: VN088098.D
 Acq: 24 Oct 2025 16:41

Tgt Ion: 75 Resp: 152720
 Ion Ratio Lower Upper
 75 100
 77 1.3 89.1 267.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 72.877 ug/l
RT: 12.824 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN088098.D
Acq: 24 Oct 2025 16:41

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

Tgt Ion: 75 Resp: 152720
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 35.6 53.4#

