

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088093.D
 Acq On : 24 Oct 2025 14:58
 Operator : JC\MD
 Sample : Q3373-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Oct 25 01:06:09 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)

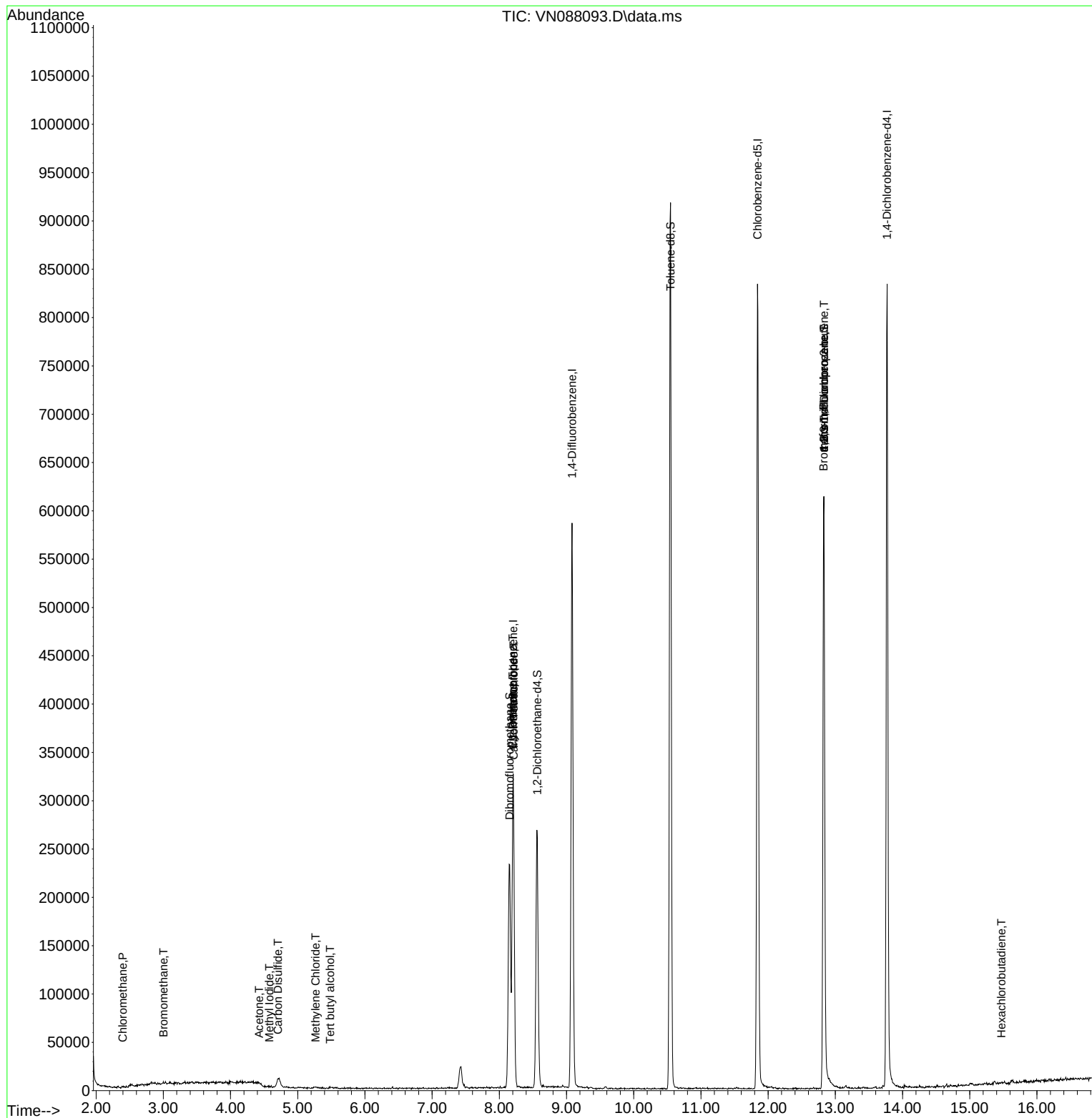
Internal Standards						
1) Pentafluorobenzene	8.206	168	217298	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	476484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	451784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	219310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	222828	59.302	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	118.600%	
35) Dibromofluoromethane	8.153	113	167694	52.387	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	104.780%	
50) Toluene-d8	10.547	98	616803	50.008	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	100.020%	
62) 4-Bromofluorobenzene	12.829	95	231611	53.171	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	106.340%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.395	50	608	0.211	ug/l #	42
5) Bromomethane	3.001	94	612	0.326	ug/l #	65
10) Methyl Iodide	4.577	142	53	4.230	ug/l #	38
11) Tert butyl alcohol	5.483	59	563	0.870	ug/l #	71
16) Acetone	4.424	43	5396	2.858	ug/l #	73
17) Carbon Disulfide	4.706	76	2010	0.242	ug/l #	76
20) Methylene Chloride	5.265	84	821	1.048	ug/l #	58
31) Cyclohexane	8.200	56	6323	1.202	ug/l #	1
36) 1,1-Dichloropropene	8.200	75	21271	4.551	ug/l #	53
38) Carbon Tetrachloride	8.212	117	24397	5.054	ug/l #	15
71) Bromoform	12.824	173	1143	0.456	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	135431	27.010	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	135431	75.345	ug/l #	1
94) Hexachlorobutadiene	15.470	225	500	0.316	ug/l #	27

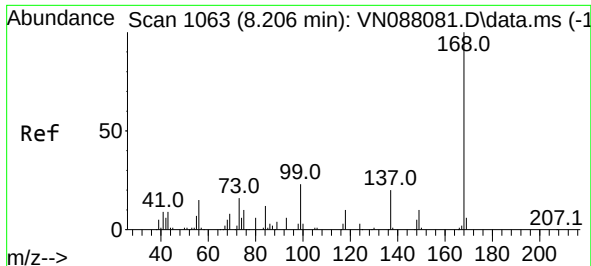
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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STORAGE-BLANK-WATER-REF-5

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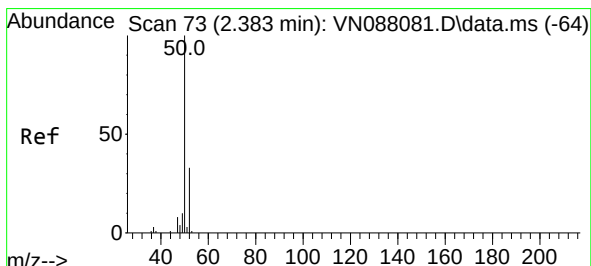
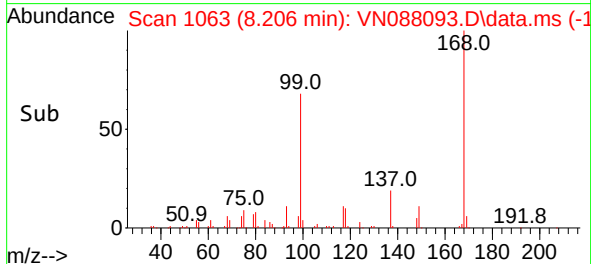
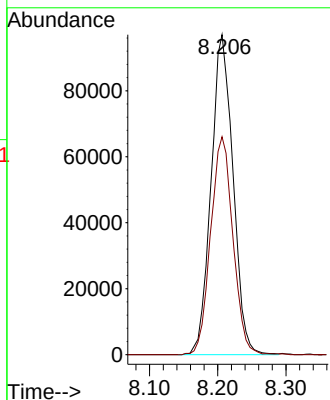
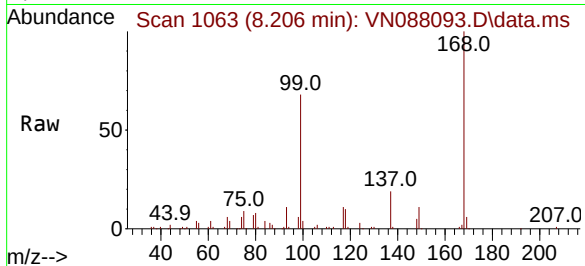




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088093.D
Acq: 24 Oct 2025 14:58

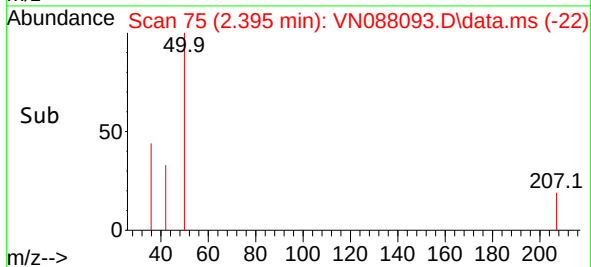
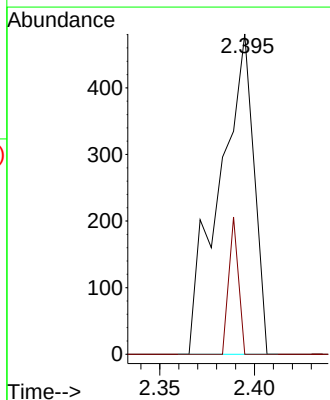
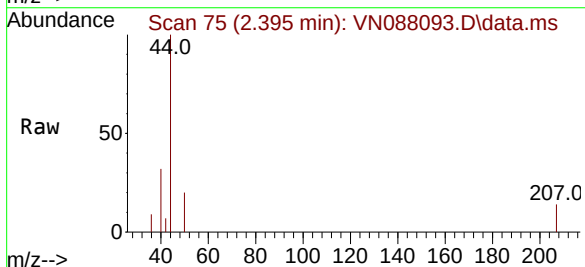
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

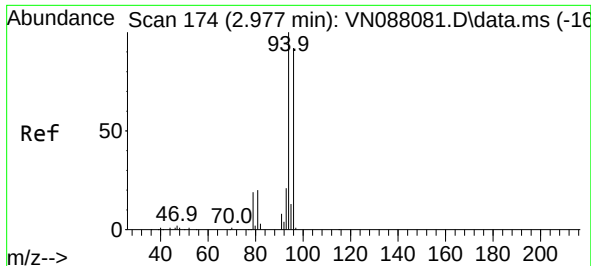
Tgt Ion:168 Resp: 217298
Ion Ratio Lower Upper
168 100
99 68.1 57.2 85.8



#3
Chloromethane
Concen: 0.211 ug/l
RT: 2.395 min Scan# 75
Delta R.T. 0.012 min
Lab File: VN088093.D
Acq: 24 Oct 2025 14:58

Tgt Ion: 50 Resp: 608
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.4#

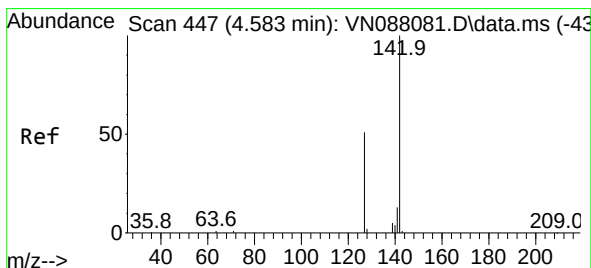
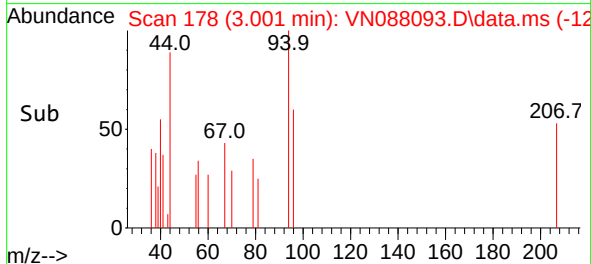
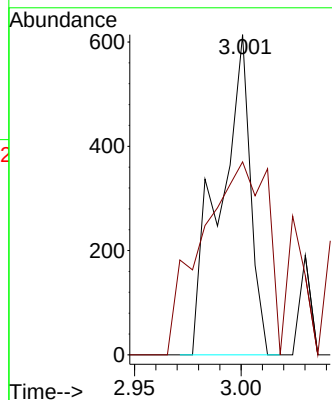
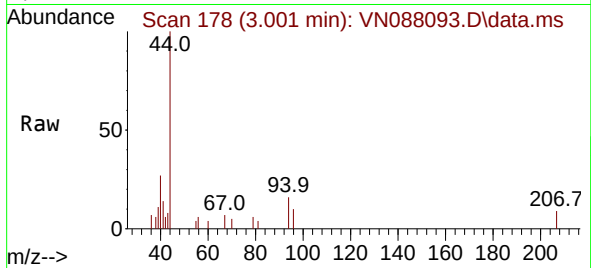




#5
Bromomethane
Concen: 0.326 ug/l
RT: 3.001 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN088093.D
Acq: 24 Oct 2025 14:58

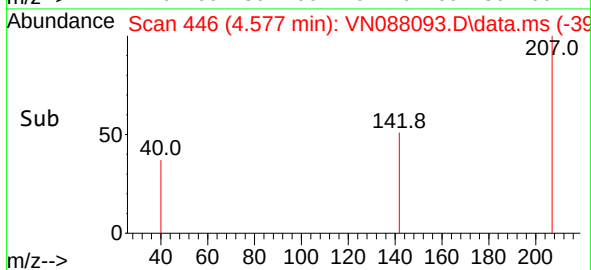
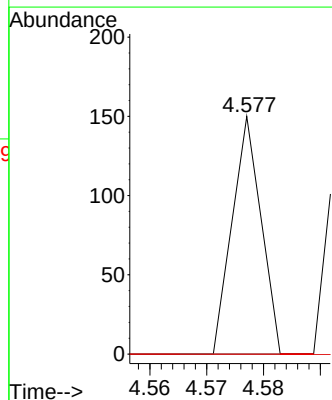
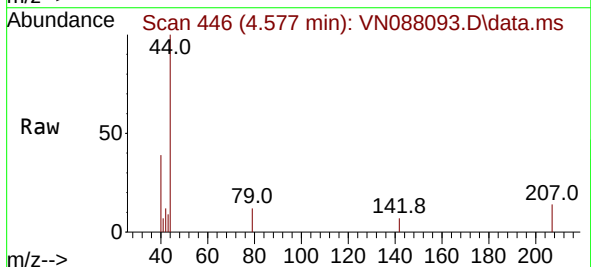
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

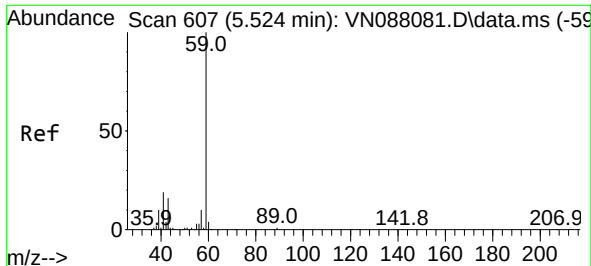
Tgt Ion: 94 Resp: 612
Ion Ratio Lower Upper
94 100
96 60.3 75.4 113.2#



#10
Methyl Iodide
Concen: 4.230 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.000 min
Lab File: VN088093.D
Acq: 24 Oct 2025 14:58

Tgt Ion:142 Resp: 53
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#

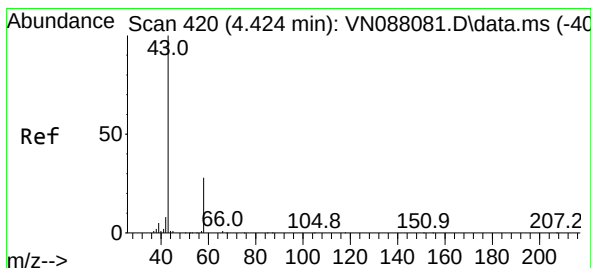
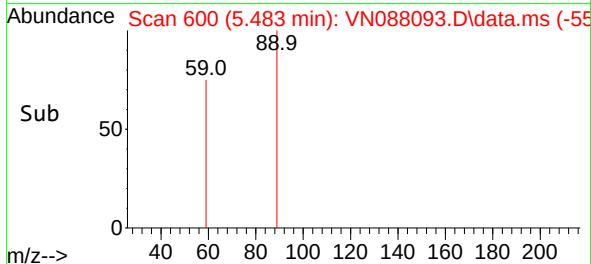
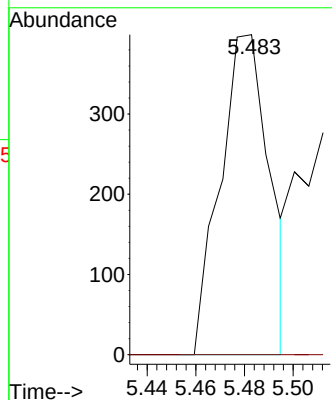
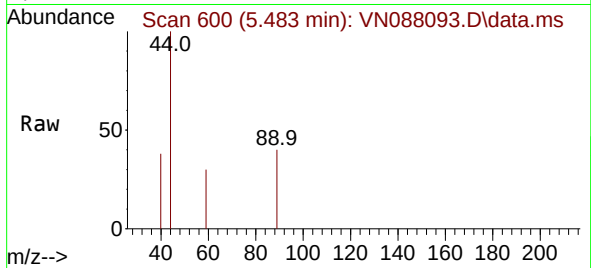




#11
Tert butyl alcohol
Concen: 0.870 ug/l
RT: 5.483 min Scan# 607
Delta R.T. -0.035 min
Lab File: VN088093.D
Acq: 24 Oct 2025 14:58

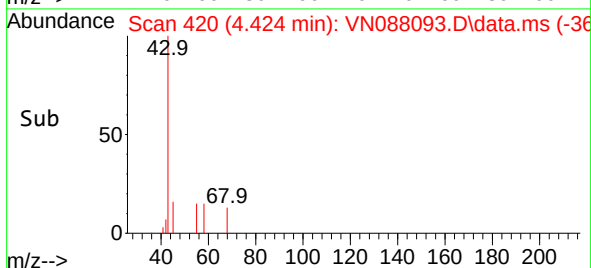
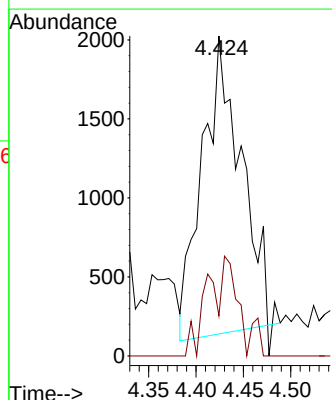
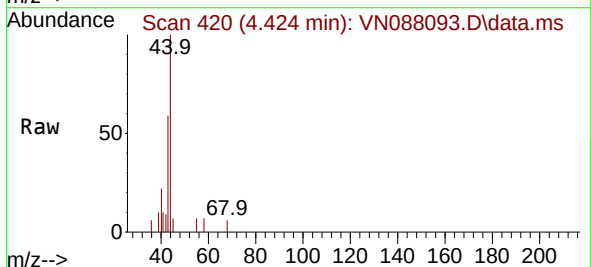
Instrument : MSVOA_N
ClientSampleId : STORAGE-BLANK-WATER-REF-5

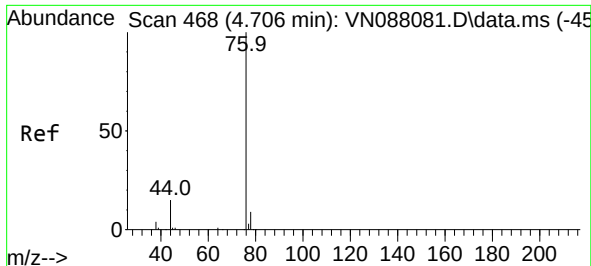
Tgt Ion: 59 Resp: 563
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 2.858 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN088093.D
Acq: 24 Oct 2025 14:58

Tgt Ion: 43 Resp: 5396
Ion Ratio Lower Upper
43 100
58 14.0 22.6 33.8#

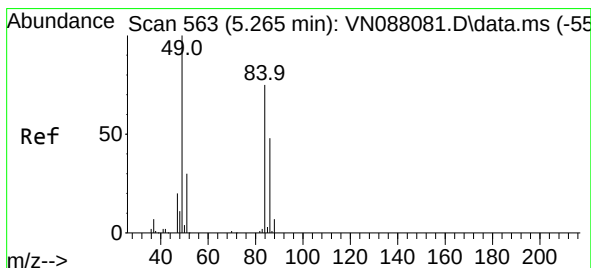
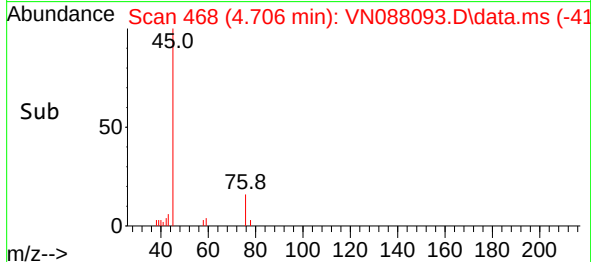
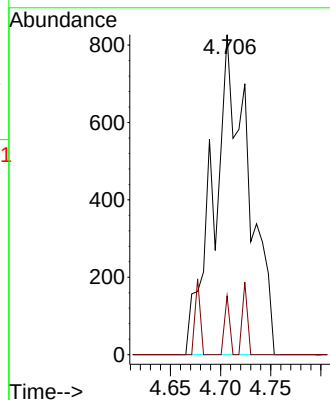
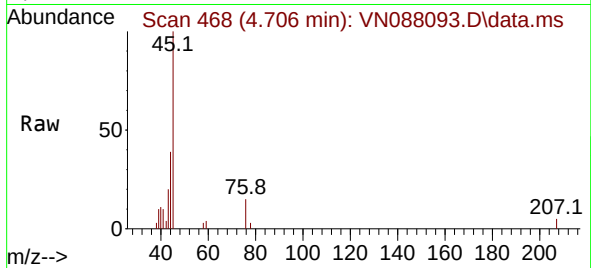




#17
Carbon Disulfide
Concen: 0.242 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.006 min
Lab File: VN088093.D
Acq: 24 Oct 2025 14:58

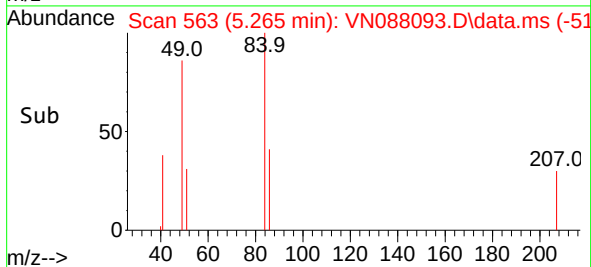
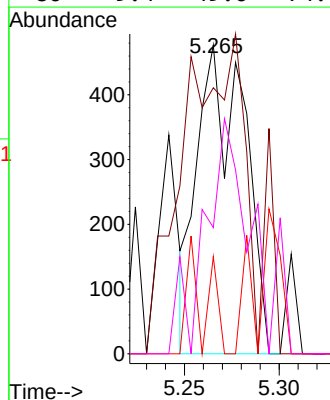
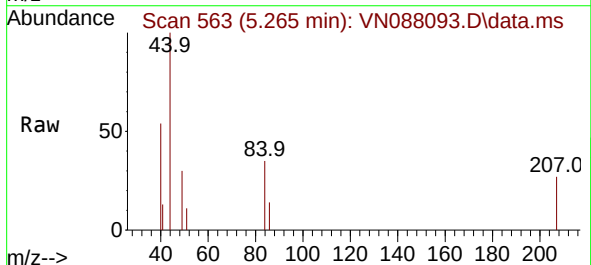
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

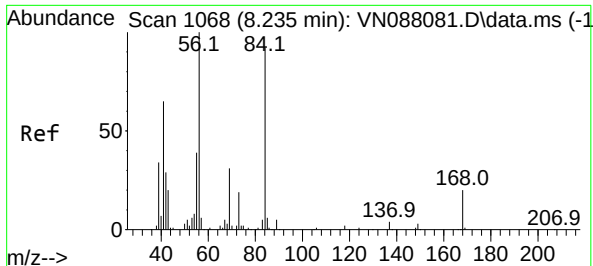
Tgt Ion: 76 Resp: 2010
Ion Ratio Lower Upper
76 100
78 18.4 7.6 11.4#



#20
Methylene Chloride
Concen: 1.048 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN088093.D
Acq: 24 Oct 2025 14:58

Tgt Ion: 84 Resp: 821
Ion Ratio Lower Upper
84 100
49 86.2 103.4 155.2#
51 31.4 33.8 50.8#
86 9.4 49.6 74.4#

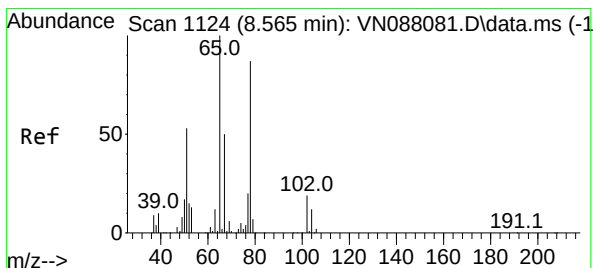
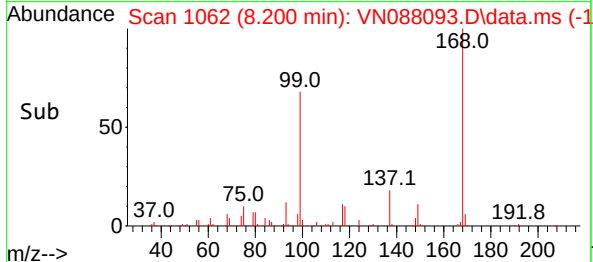
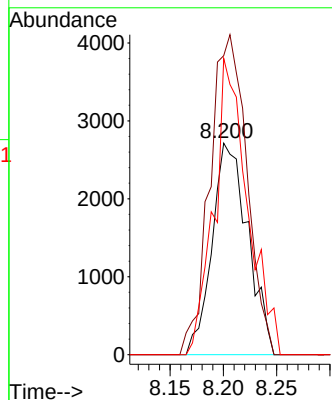
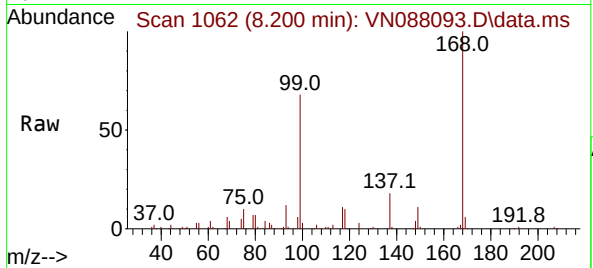




#31
Cyclohexane
Concen: 1.202 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.035 min
Lab File: VN088093.D
Acq: 24 Oct 2025 14:58

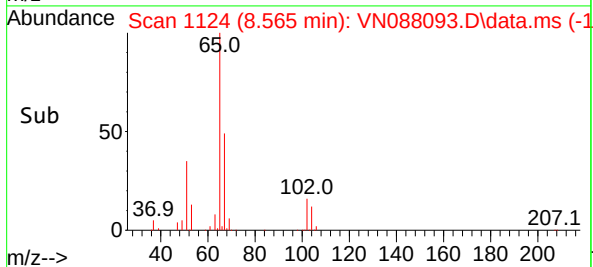
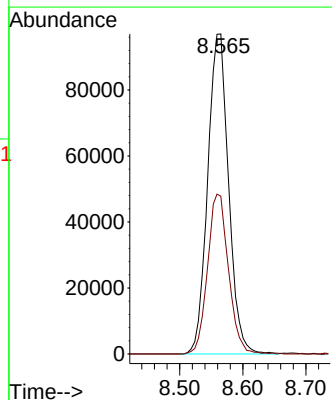
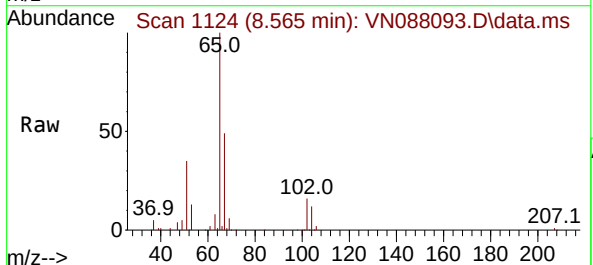
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

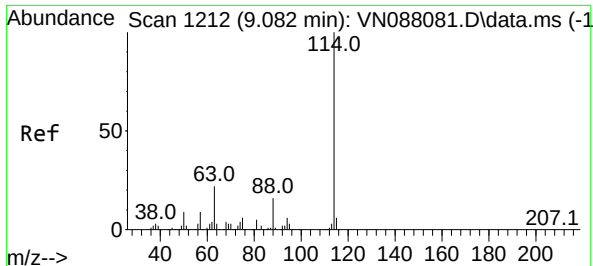
Tgt Ion: 56 Resp: 6323
Ion Ratio Lower Upper
56 100
69 141.4 23.7 35.5#
84 140.1 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 59.302 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN088093.D
Acq: 24 Oct 2025 14:58

Tgt Ion: 65 Resp: 222828
Ion Ratio Lower Upper
65 100
67 50.1 0.0 100.0

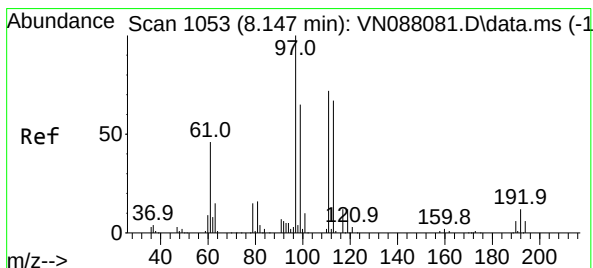
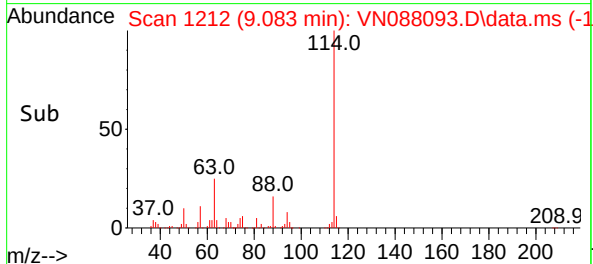
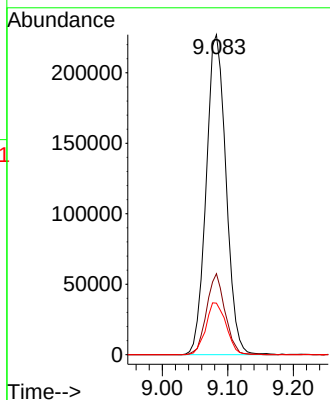
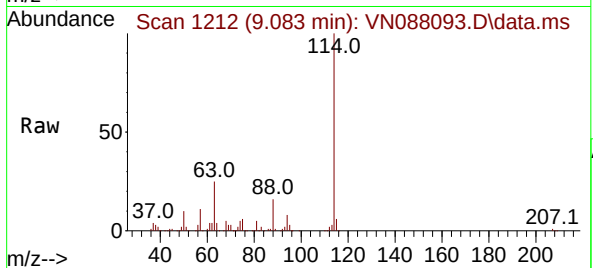




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.083 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VN088093.D
 Acq: 24 Oct 2025 14:58

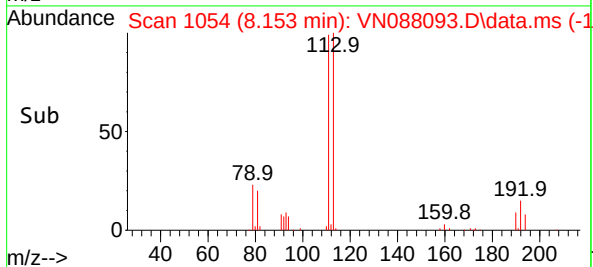
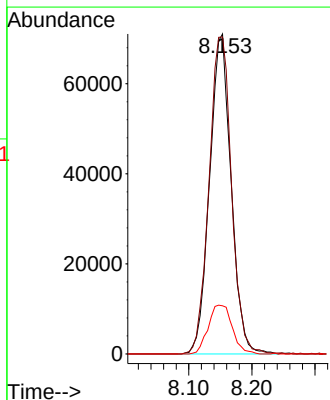
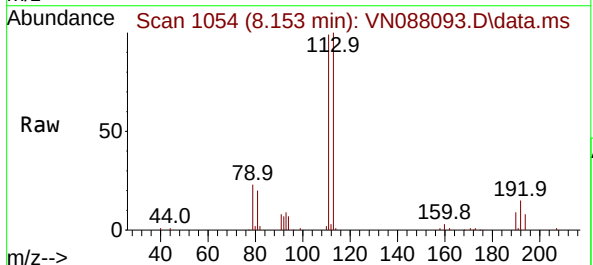
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 STORAGE-BLANK-WATER-REF-5

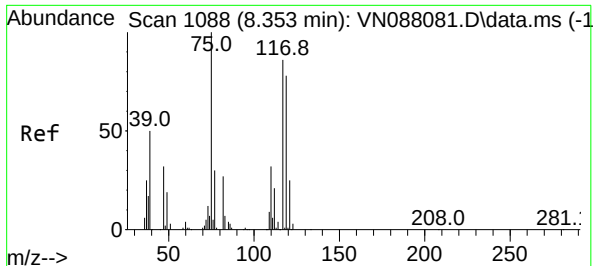
Tgt Ion:	114	Resp:	476484
Ion Ratio	Lower	Upper	
114	100		
63	25.3	0.0	45.2
88	16.1	0.0	33.4



#35
 Dibromofluoromethane
 Concen: 52.387 ug/l
 RT: 8.153 min Scan# 1054
 Delta R.T. 0.000 min
 Lab File: VN088093.D
 Acq: 24 Oct 2025 14:58

Tgt Ion:	113	Resp:	167694
Ion Ratio	Lower	Upper	
113	100		
111	103.8	82.8	124.2
192	17.0	12.8	19.2





#36

1,1-Dichloropropene

Concen: 4.551 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN088093.D

Acq: 24 Oct 2025 14:58

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

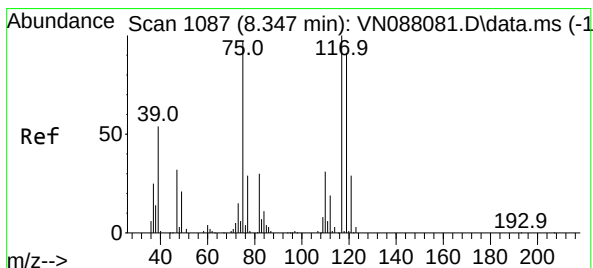
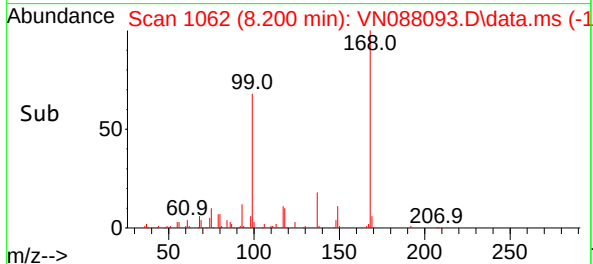
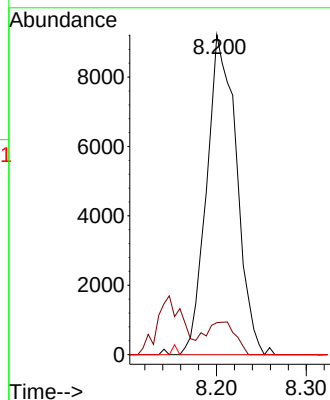
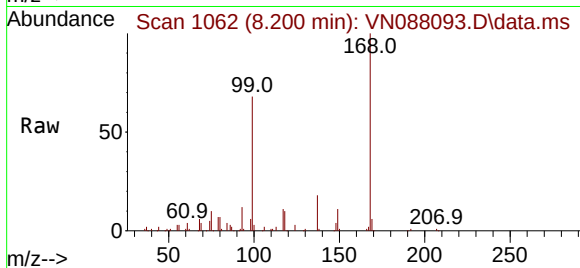
Tgt Ion: 75 Resp: 21271

Ion Ratio Lower Upper

75 100

110 10.3 15.9 47.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.054 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.129 min

Lab File: VN088093.D

Acq: 24 Oct 2025 14:58

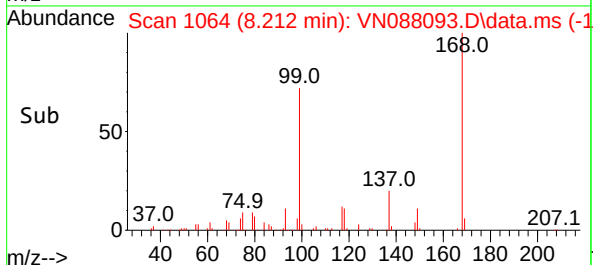
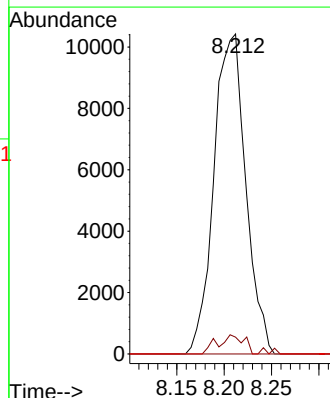
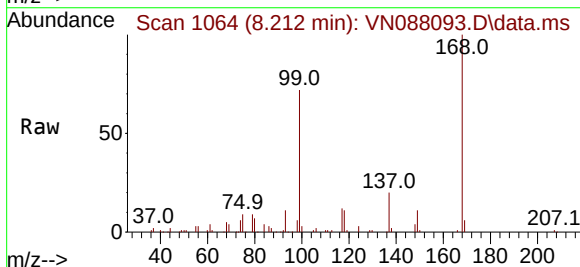
Tgt Ion: 117 Resp: 24397

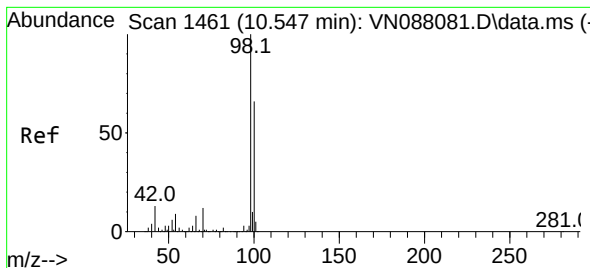
Ion Ratio Lower Upper

117 100

119 5.2 79.0 118.6#

121 0.0 25.0 37.6#

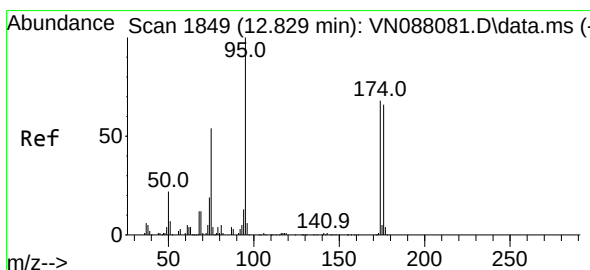
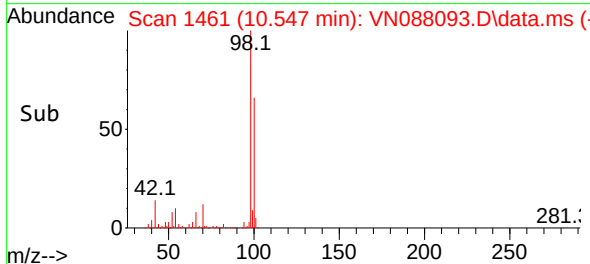
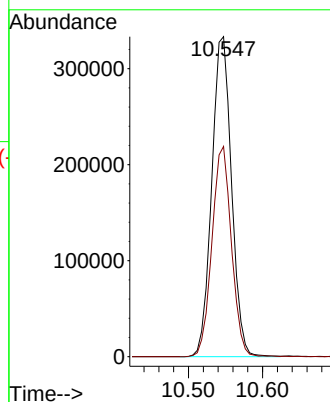
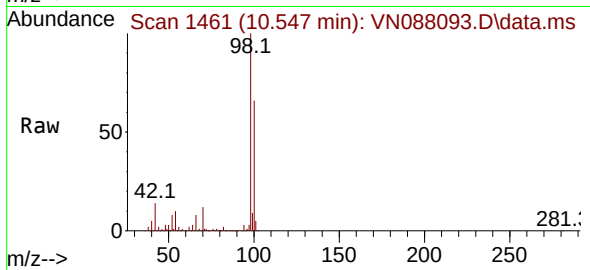




#50
Toluene-d8
Concen: 50.008 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088093.D
Acq: 24 Oct 2025 14:58

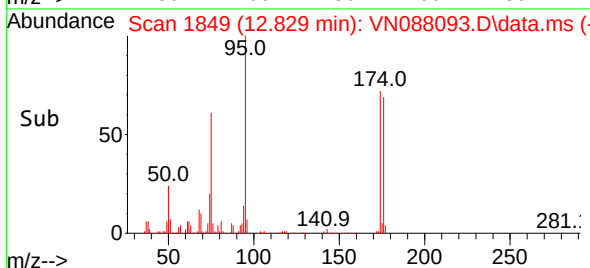
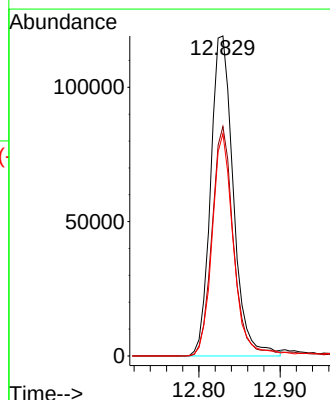
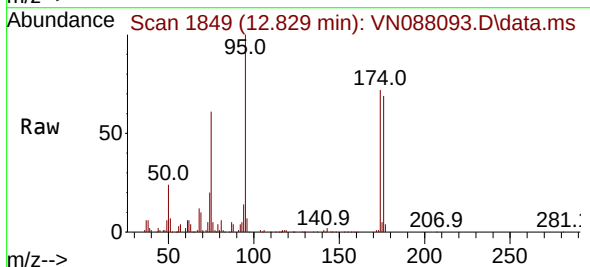
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

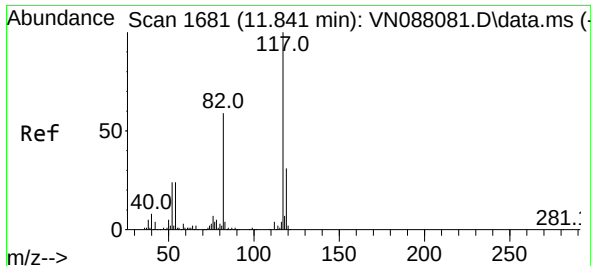
Tgt Ion: 98 Resp: 616803
Ion Ratio Lower Upper
98 100
100 64.7 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 53.171 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088093.D
Acq: 24 Oct 2025 14:58

Tgt Ion: 95 Resp: 231611
Ion Ratio Lower Upper
95 100
174 69.6 0.0 138.4
176 65.4 0.0 132.6

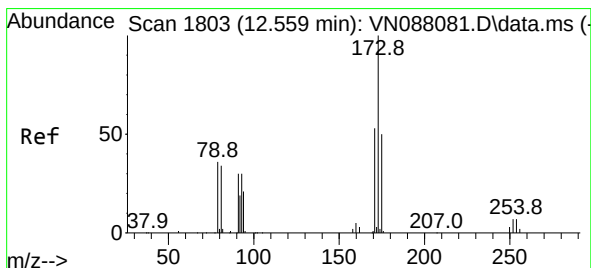
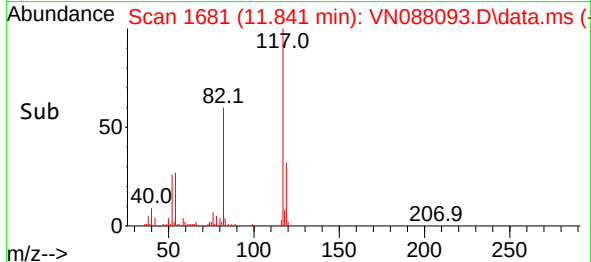
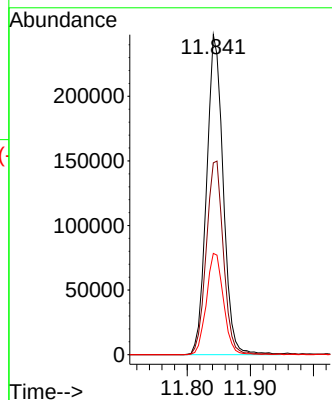
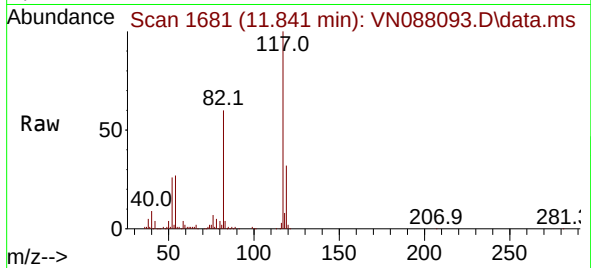




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088093.D
Acq: 24 Oct 2025 14:58

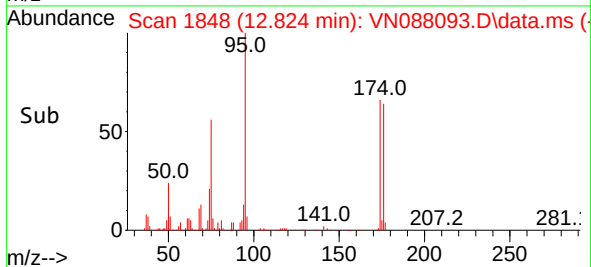
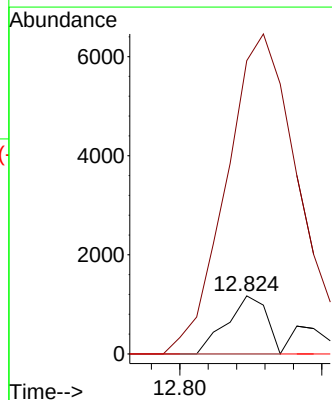
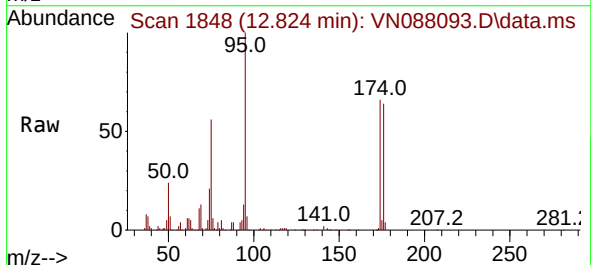
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

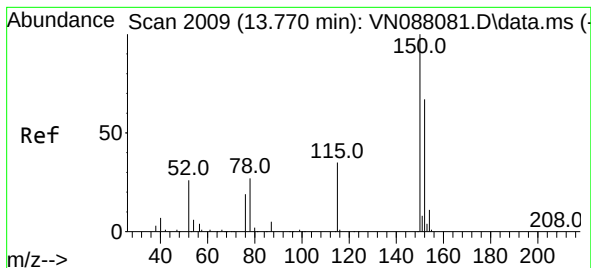
Tgt Ion:117 Resp: 451784
Ion Ratio Lower Upper
117 100
82 60.0 47.4 71.2
119 31.7 24.3 36.5



#71
Bromoform
Concen: 0.456 ug/l
RT: 12.824 min Scan# 1848
Delta R.T. 0.265 min
Lab File: VN088093.D
Acq: 24 Oct 2025 14:58

Tgt Ion:173 Resp: 1143
Ion Ratio Lower Upper
173 100
175 770.7 24.9 74.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.771 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VN088093.D

Acq: 24 Oct 2025 14:58

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

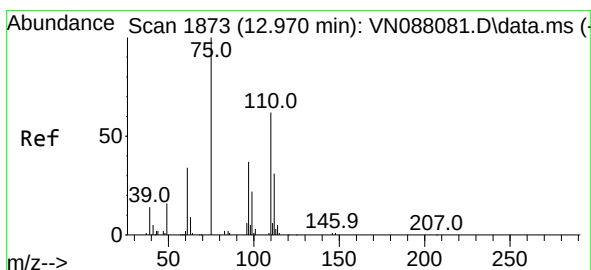
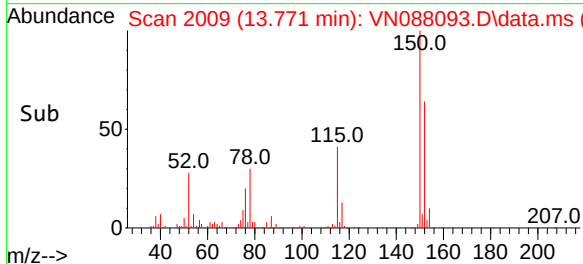
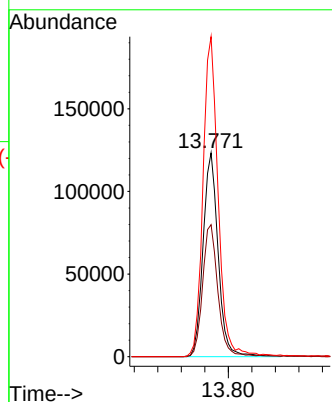
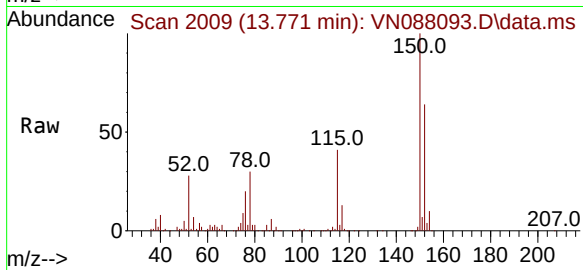
Tgt Ion:152 Resp: 219310

Ion Ratio Lower Upper

152 100

115 65.4 32.3 96.8

150 158.4 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 27.010 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN088093.D

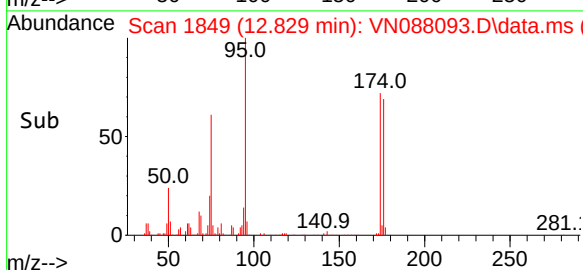
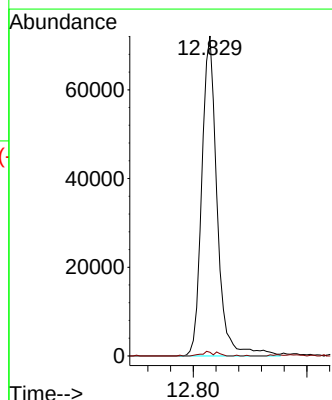
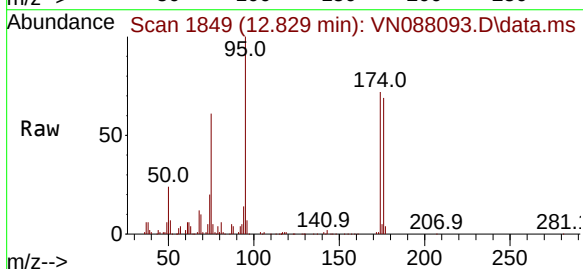
Acq: 24 Oct 2025 14:58

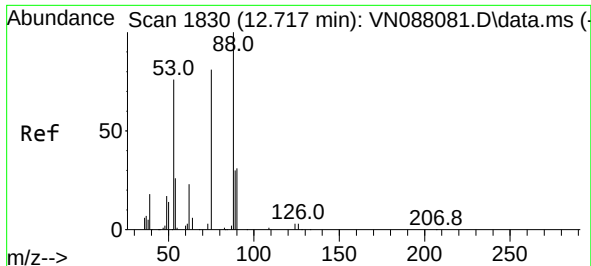
Tgt Ion: 75 Resp: 135431

Ion Ratio Lower Upper

75 100

77 0.9 89.1 267.4#

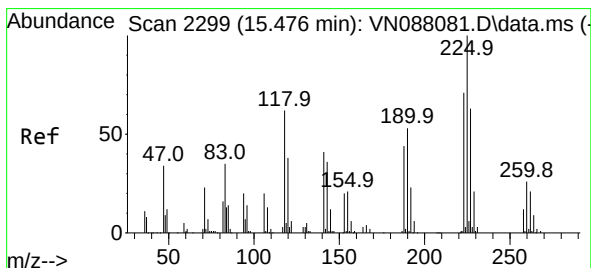
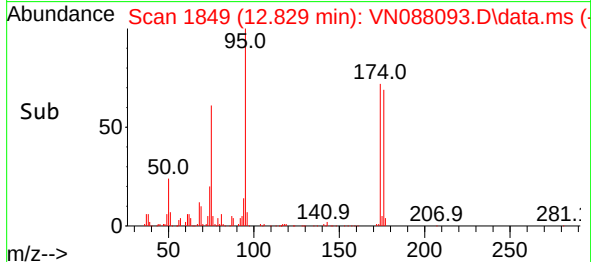
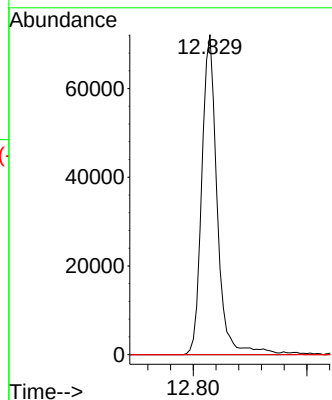
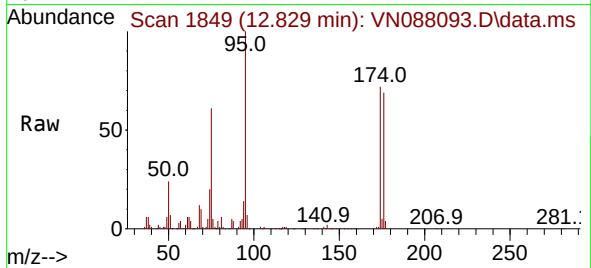




#81
trans-1,4-Dichloro-2-butene
Concen: 75.345 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088093.D
Acq: 24 Oct 2025 14:58

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

Tgt Ion: 75 Resp: 135431
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 35.6 53.4#



#94
Hexachlorobutadiene
Concen: 0.316 ug/l
RT: 15.470 min Scan# 2298
Delta R.T. -0.006 min
Lab File: VN088093.D
Acq: 24 Oct 2025 14:58

Tgt Ion: 225 Resp: 500
Ion Ratio Lower Upper
225 100
223 0.0 32.0 96.2#
227 13.6 32.1 96.5#

