

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102425\
 Data File : VN088099.D
 Acq On : 24 Oct 2025 17:01
 Operator : JC\MD
 Sample : Q3463-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Oct 25 01:08:29 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)

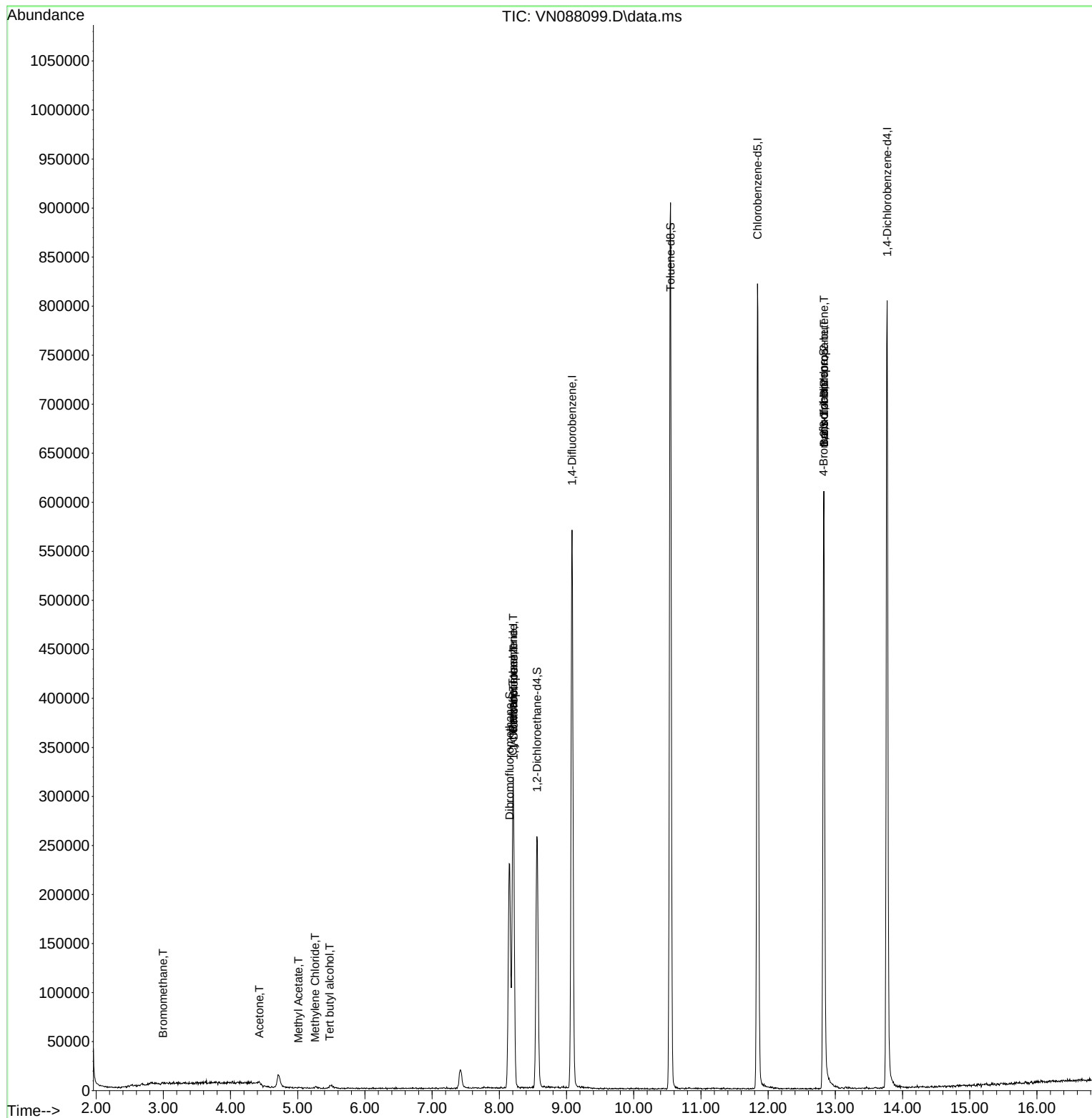
Internal Standards						
1) Pentafluorobenzene	8.206	168	212273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	470823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	440380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	215469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	218872	59.628	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 119.260%	
35) Dibromofluoromethane	8.153	113	167663	53.007	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.020%	
50) Toluene-d8	10.547	98	606966	49.802	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.600%	
62) 4-Bromofluorobenzene	12.823	95	223273	51.873	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.740%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.995	94	463	0.252	ug/l	88
11) Tert butyl alcohol	5.477	59	1285	2.032	ug/l #	71
16) Acetone	4.430	43	5436	2.948	ug/l	96
18) Methyl Acetate	5.012	43	1445	0.383	ug/l #	54
20) Methylene Chloride	5.259	84	1111	1.154	ug/l #	84
31) Cyclohexane	8.200	56	6443	1.254	ug/l #	39
36) 1,1-Dichloropropene	8.212	75	21479	4.651	ug/l #	51
38) Carbon Tetrachloride	8.206	117	25129	5.268	ug/l #	15
71) Bromoform	12.829	173	1094	0.447	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	130877	26.567	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	130877	74.110	ug/l #	1

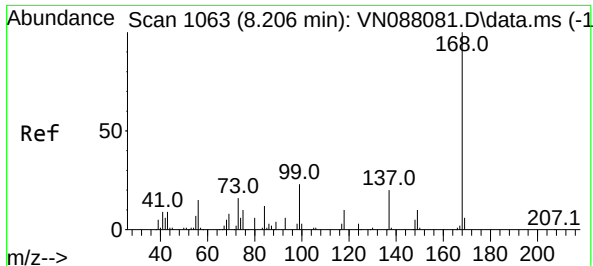
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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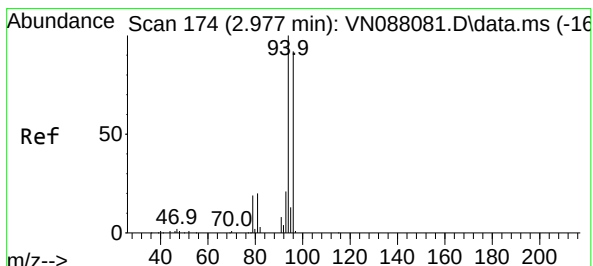
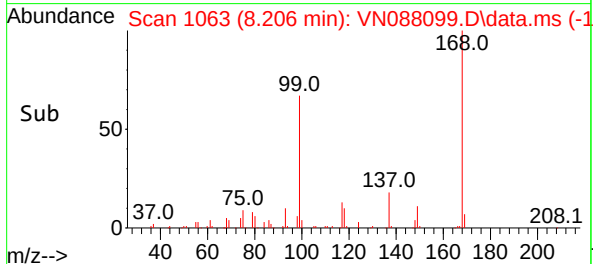
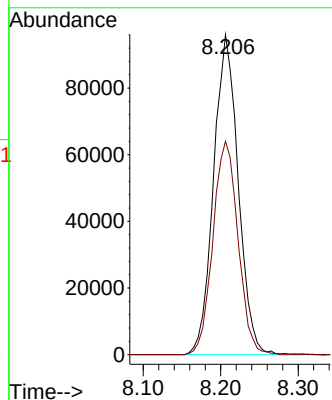
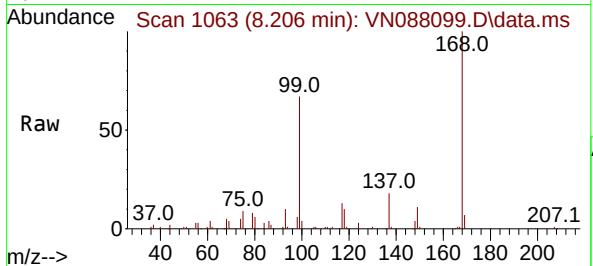




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088099.D
Acq: 24 Oct 2025 17:01

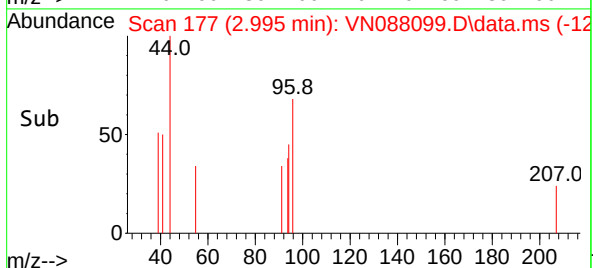
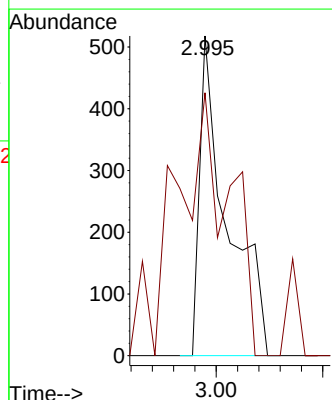
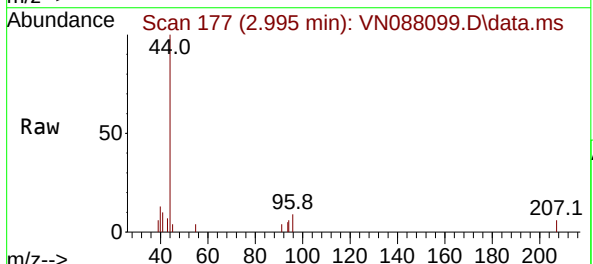
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

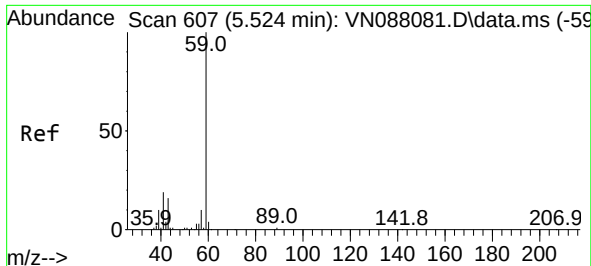
Tgt Ion:168 Resp: 212273
Ion Ratio Lower Upper
168 100
99 66.7 57.2 85.8



#5
Bromomethane
Concen: 0.252 ug/l
RT: 2.995 min Scan# 177
Delta R.T. 0.023 min
Lab File: VN088099.D
Acq: 24 Oct 2025 17:01

Tgt Ion: 94 Resp: 463
Ion Ratio Lower Upper
94 100
96 82.2 75.4 113.2

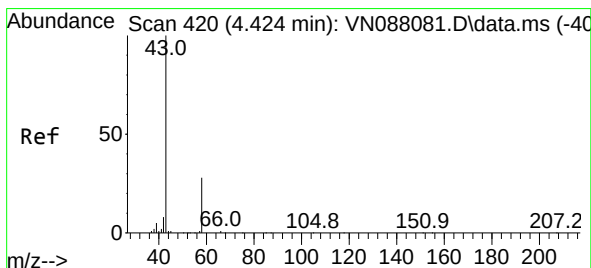
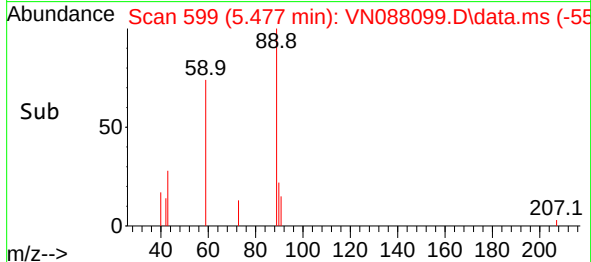
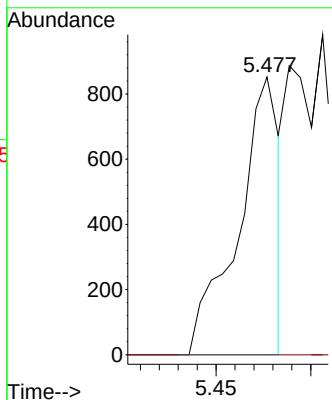
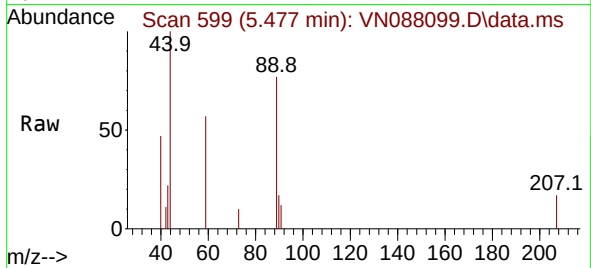




#11
Tert butyl alcohol
Concen: 2.032 ug/l
RT: 5.477 min Scan# 51
Delta R.T. -0.041 min
Lab File: VN088099.D
Acq: 24 Oct 2025 17:01

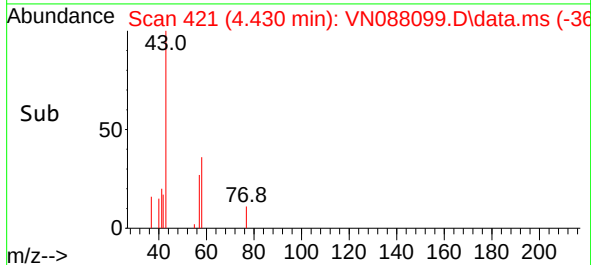
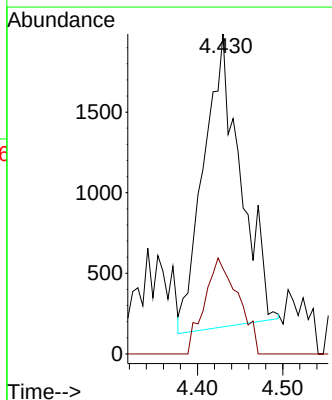
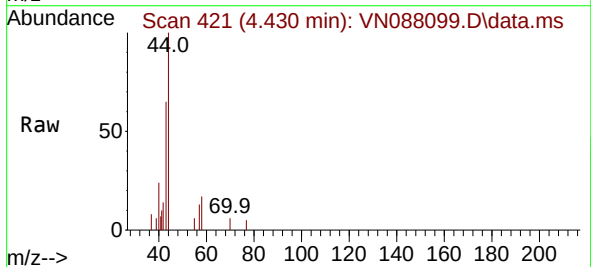
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

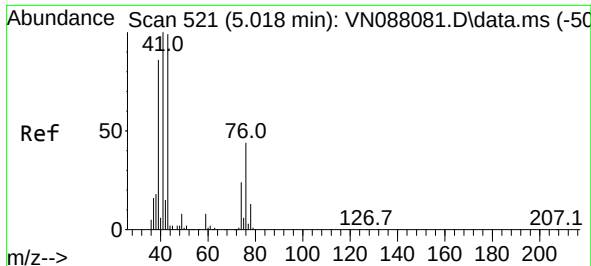
Tgt Ion: 59 Resp: 1285
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 2.948 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN088099.D
Acq: 24 Oct 2025 17:01

Tgt Ion: 43 Resp: 5436
Ion Ratio Lower Upper
43 100
58 30.1 22.6 33.8

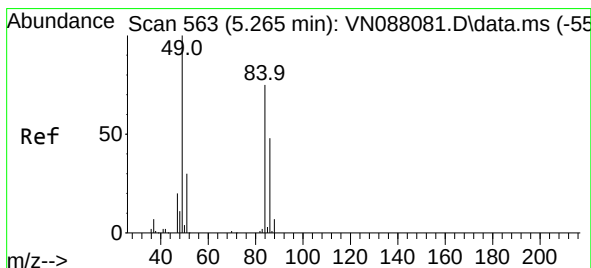
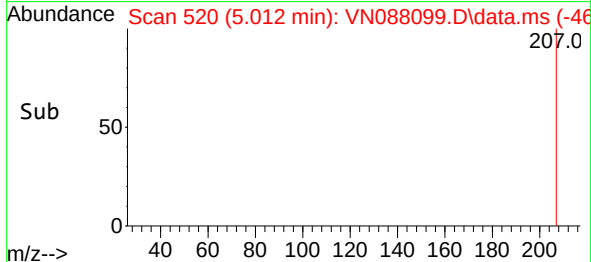
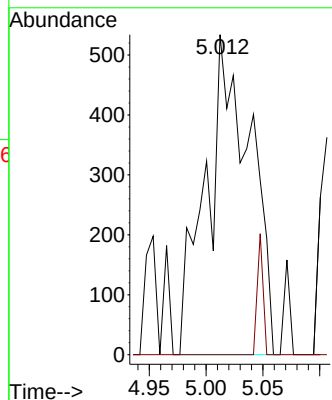
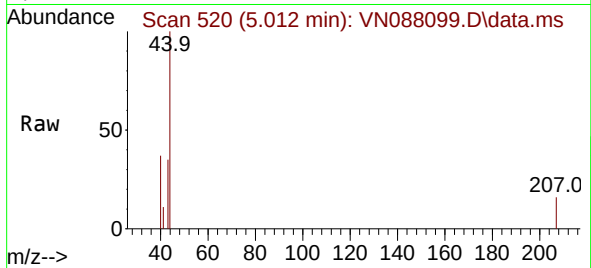




#18
Methyl Acetate
Concen: 0.383 ug/l
RT: 5.012 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN088099.D
Acq: 24 Oct 2025 17:01

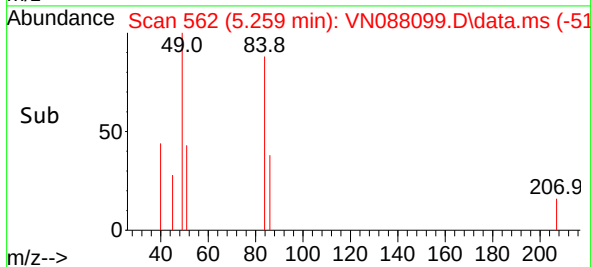
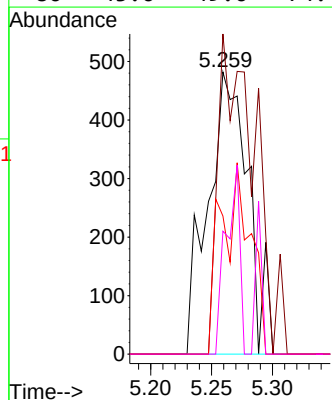
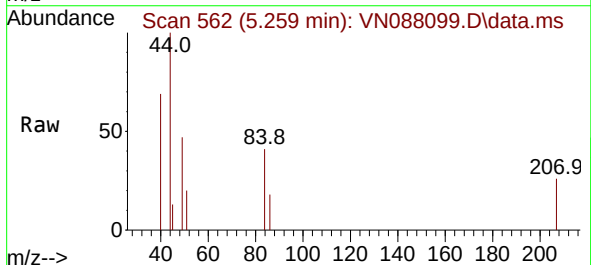
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

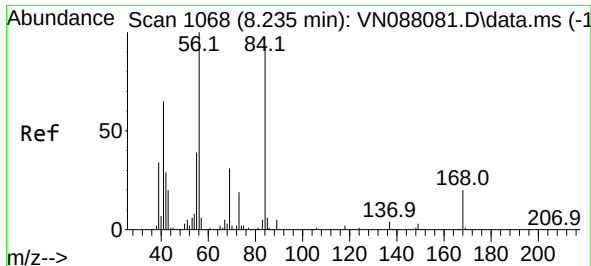
Tgt Ion: 43 Resp: 1445
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#



#20
Methylene Chloride
Concen: 1.154 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.006 min
Lab File: VN088099.D
Acq: 24 Oct 2025 17:01

Tgt Ion: 84 Resp: 1111
Ion Ratio Lower Upper
84 100
49 113.5 103.4 155.2
51 49.0 33.8 50.8
86 43.6 49.6 74.4#

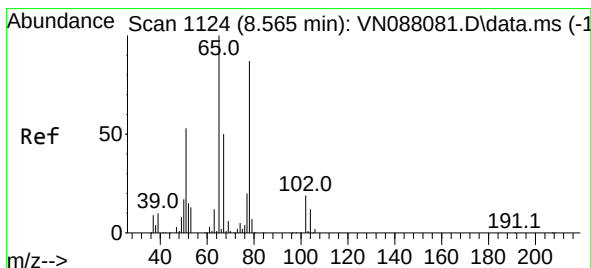
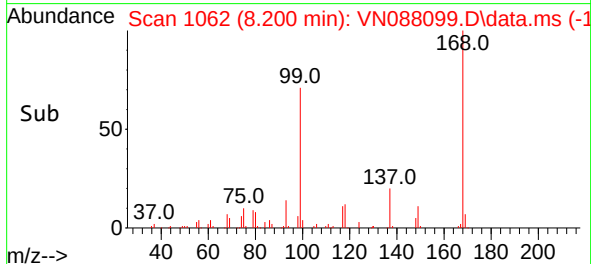
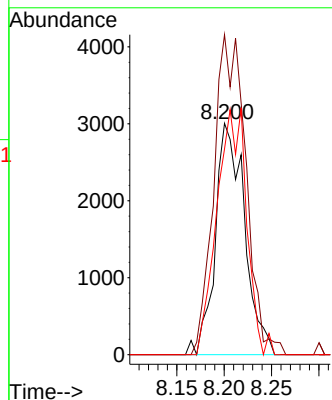
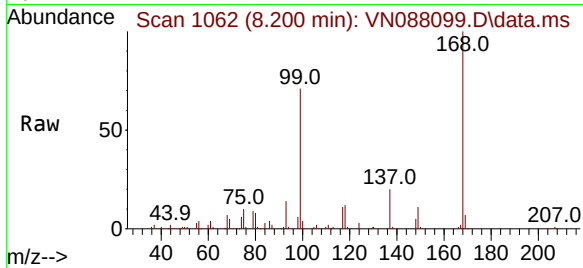




#31
Cyclohexane
Concen: 1.254 ug/l
RT: 8.200 min Scan# 1106
Delta R.T. -0.035 min
Lab File: VN088099.D
Acq: 24 Oct 2025 17:01

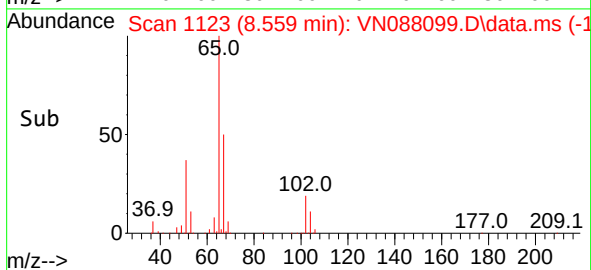
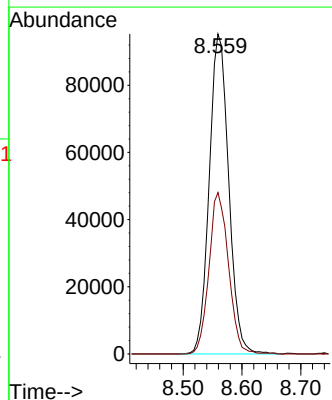
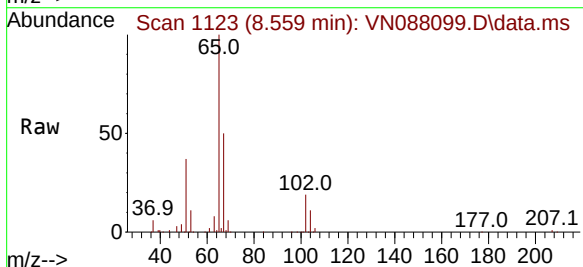
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

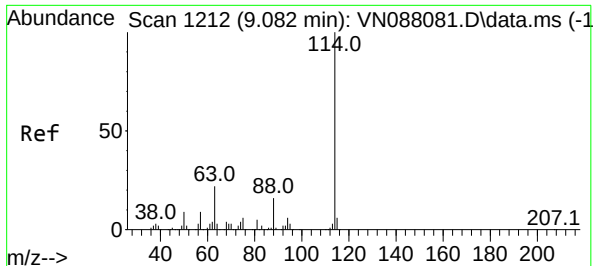
Tgt Ion: 56 Resp: 6443
Ion Ratio Lower Upper
56 100
69 138.4 23.7 35.5#
84 89.0 64.7 97.1



#33
1,2-Dichloroethane-d4
Concen: 59.628 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088099.D
Acq: 24 Oct 2025 17:01

Tgt Ion: 65 Resp: 218872
Ion Ratio Lower Upper
65 100
67 50.6 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: VN088099.D

Acq: 24 Oct 2025 17:01

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT

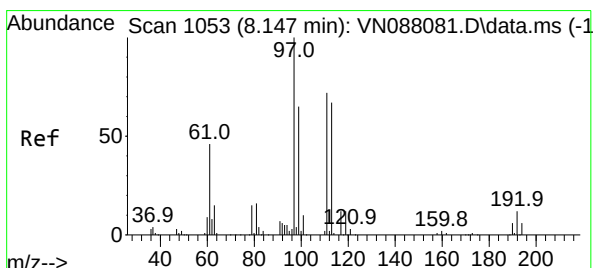
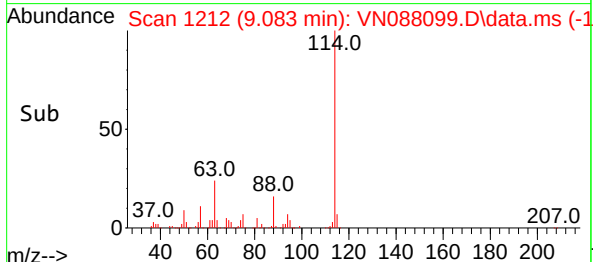
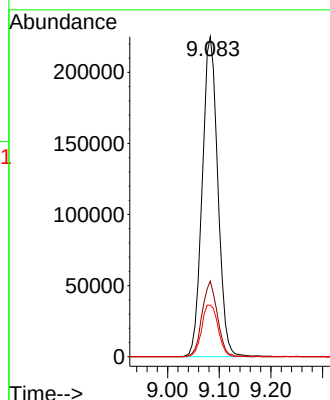
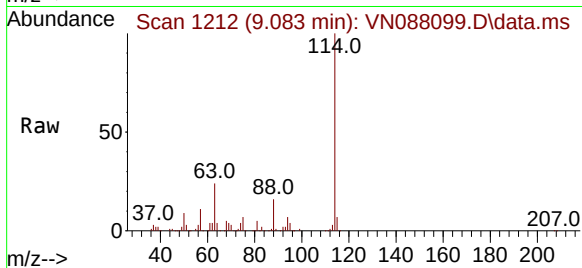
Tgt Ion:114 Resp: 470823

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.2

88 16.1 0.0 33.4



#35

Dibromofluoromethane

Concen: 53.007 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN088099.D

Acq: 24 Oct 2025 17:01

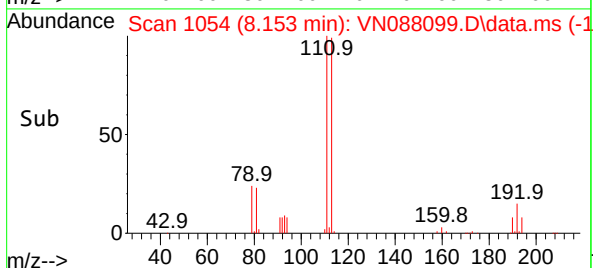
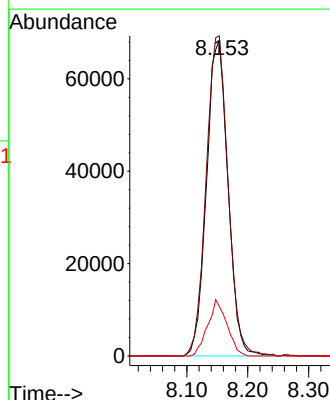
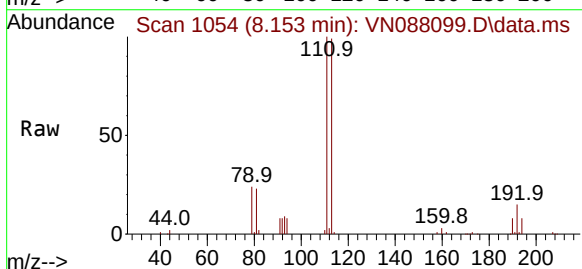
Tgt Ion:113 Resp: 167663

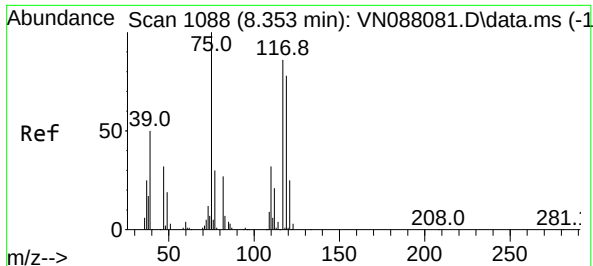
Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

192 16.0 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.651 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

Lab File: VN088099.D

Acq: 24 Oct 2025 17:01

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT

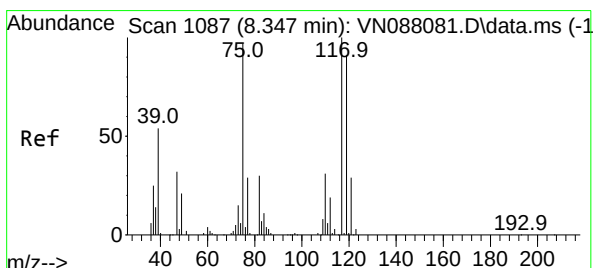
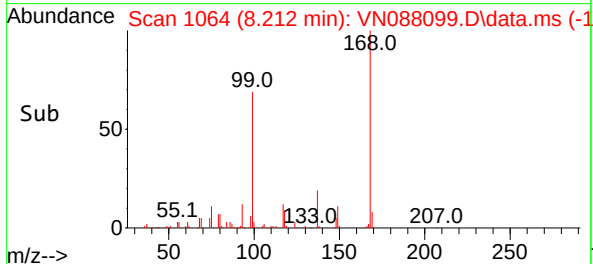
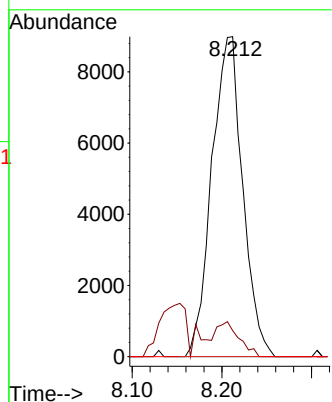
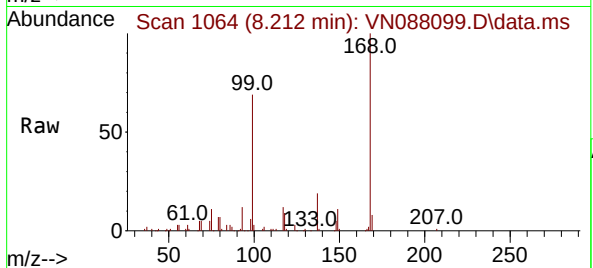
Tgt Ion: 75 Resp: 21479

Ion Ratio Lower Upper

75 100

110 7.9 15.9 47.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.268 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.135 min

Lab File: VN088099.D

Acq: 24 Oct 2025 17:01

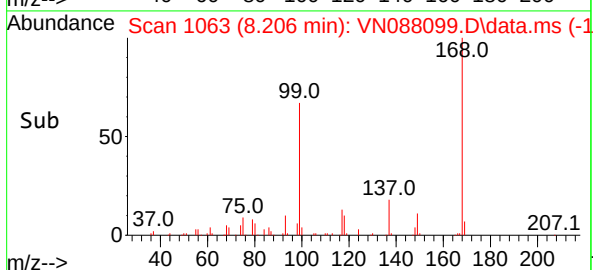
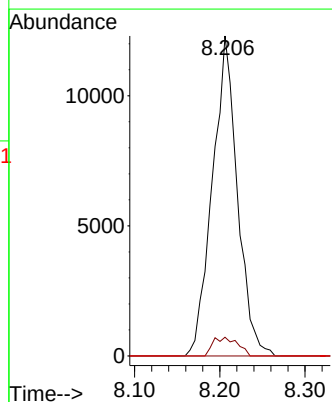
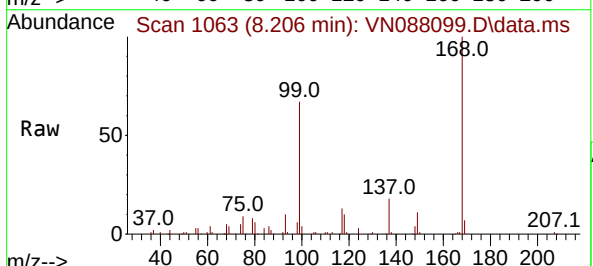
Tgt Ion: 117 Resp: 25129

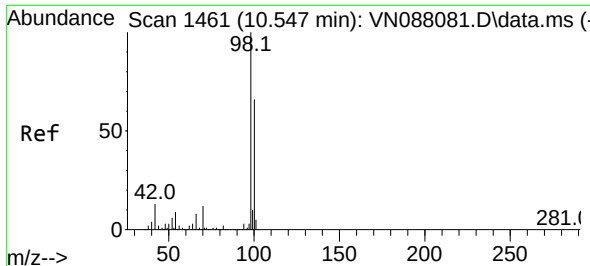
Ion Ratio Lower Upper

117 100

119 5.8 79.0 118.6#

121 0.0 25.0 37.6#

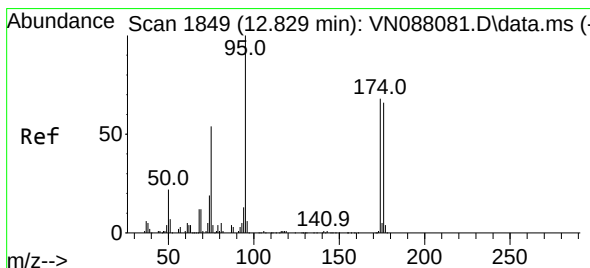
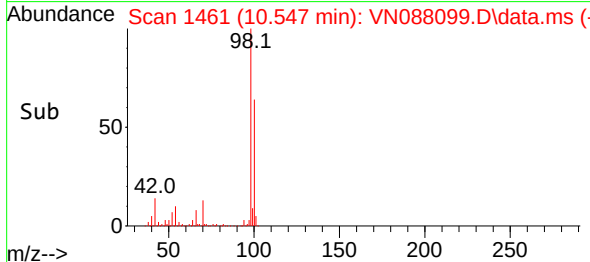
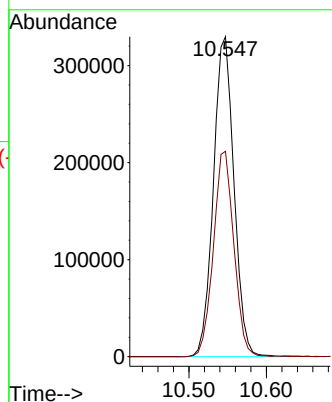
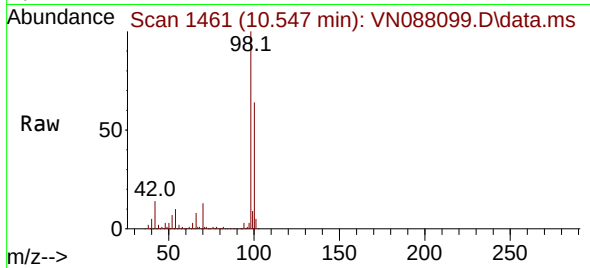




#50
Toluene-d8
Concen: 49.802 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088099.D
Acq: 24 Oct 2025 17:01

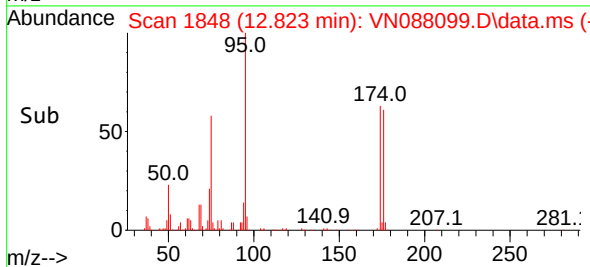
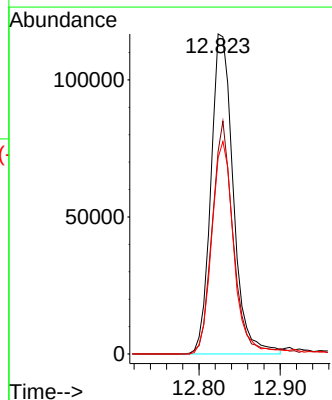
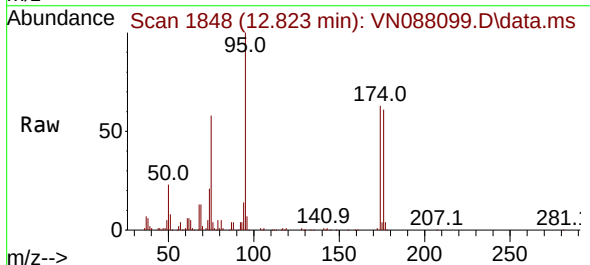
Instrument : MSVOA_N
ClientSampleId : STORAGE-BLANK-SAMPLE-MANAGEMENT

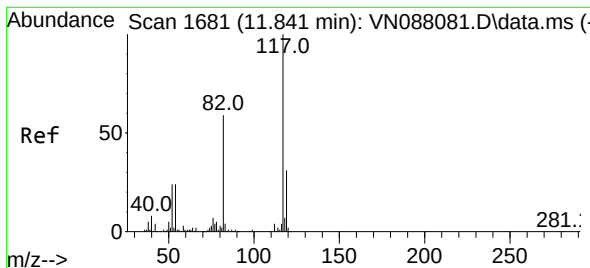
Tgt Ion: 98 Resp: 606966
Ion Ratio Lower Upper
98 100
100 64.0 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 51.873 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN088099.D
Acq: 24 Oct 2025 17:01

Tgt Ion: 95 Resp: 223273
Ion Ratio Lower Upper
95 100
174 69.1 0.0 138.4
176 65.6 0.0 132.6

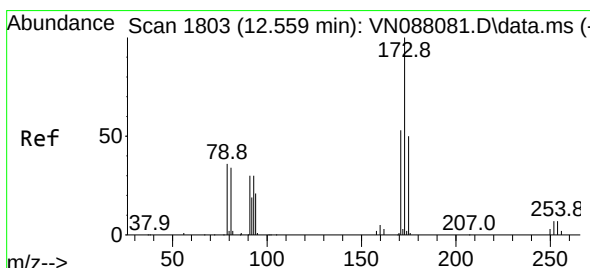
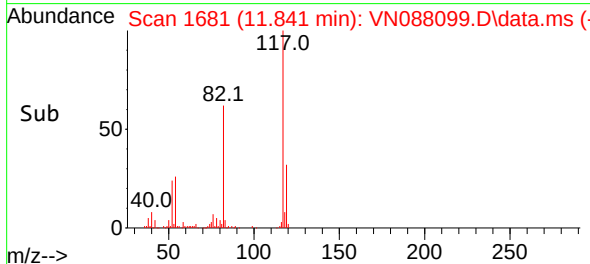
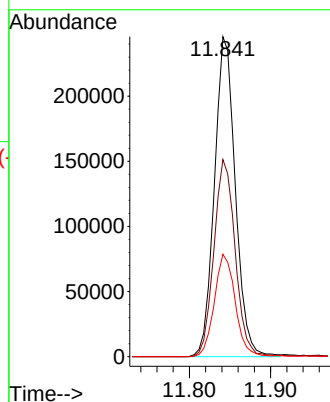
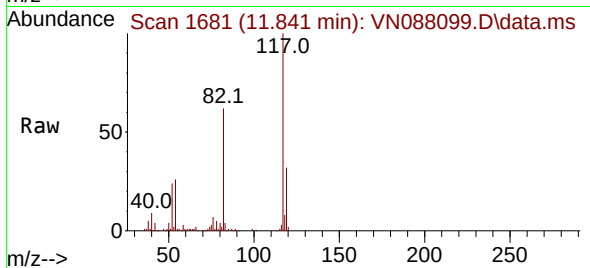




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088099.D
Acq: 24 Oct 2025 17:01

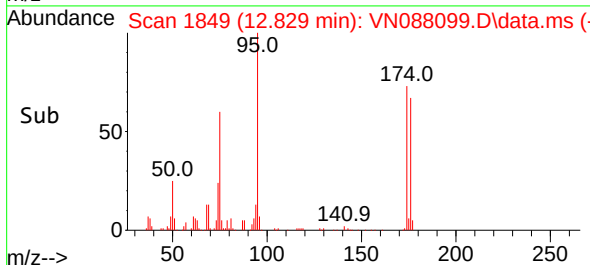
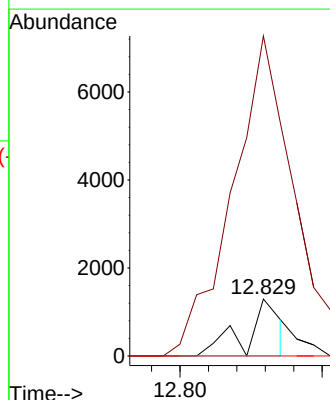
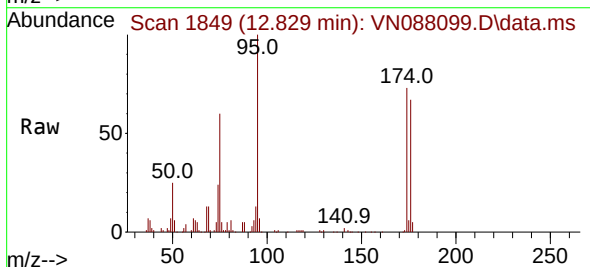
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

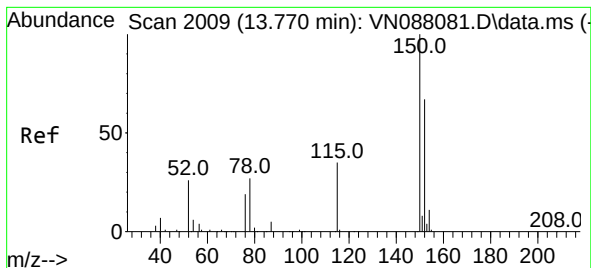
Tgt Ion:117 Resp: 440380
Ion Ratio Lower Upper
117 100
82 61.6 47.4 71.2
119 32.0 24.3 36.5



#71
Bromoform
Concen: 0.447 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.271 min
Lab File: VN088099.D
Acq: 24 Oct 2025 17:01

Tgt Ion:173 Resp: 1094
Ion Ratio Lower Upper
173 100
175 788.1 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: VN088099.D

Acq: 24 Oct 2025 17:01

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT

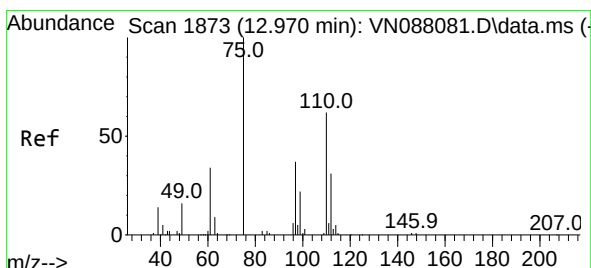
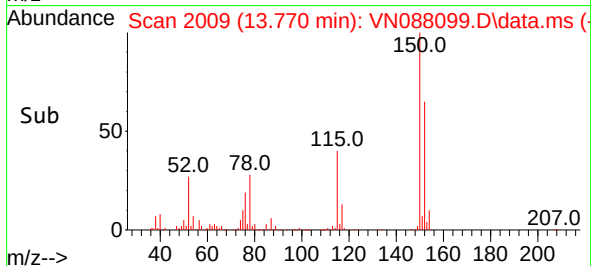
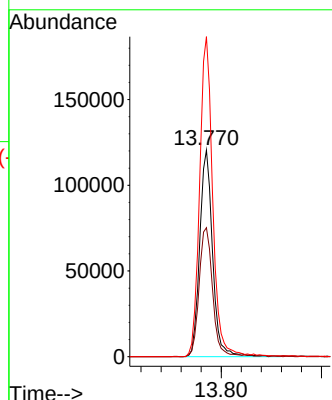
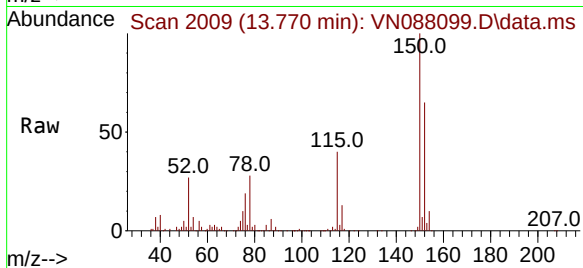
Tgt Ion:152 Resp: 215469

Ion Ratio Lower Upper

152 100

115 64.9 32.3 96.8

150 157.0 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 26.567 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN088099.D

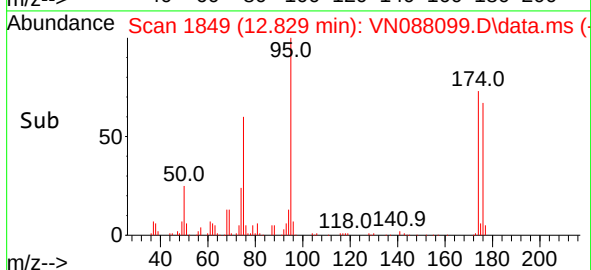
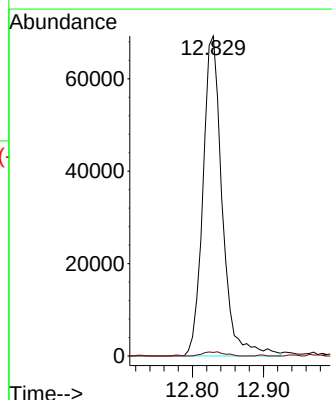
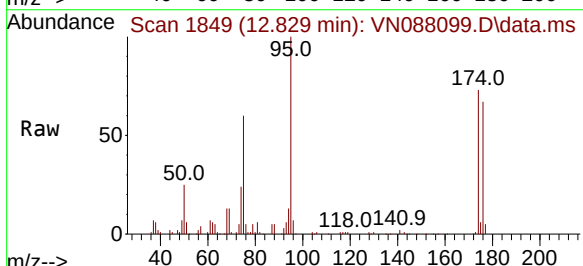
Acq: 24 Oct 2025 17:01

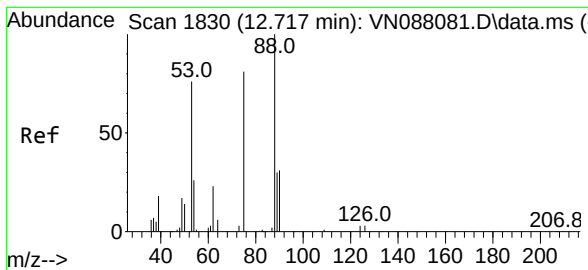
Tgt Ion: 75 Resp: 130877

Ion Ratio Lower Upper

75 100

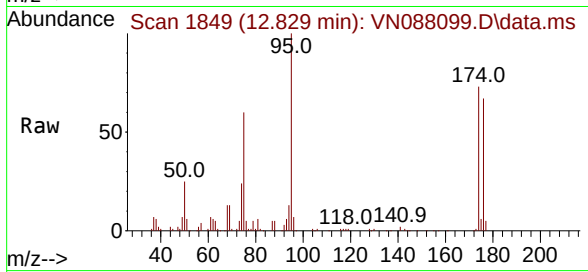
77 1.4 89.1 267.4#





#81
trans-1,4-Dichloro-2-butene
Concen: 74.110 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN088099.D
Acq: 24 Oct 2025 17:01

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT



Tgt Ion: 75 Resp: 130877
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 35.6 53.4#

