

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061625\
 Data File : VN087028.D
 Acq On : 16 Jun 2025 14:08
 Operator : JC\MD
 Sample : Q2299-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RW10A-MW01I-20250609

Quant Time: Jun 17 07:23:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

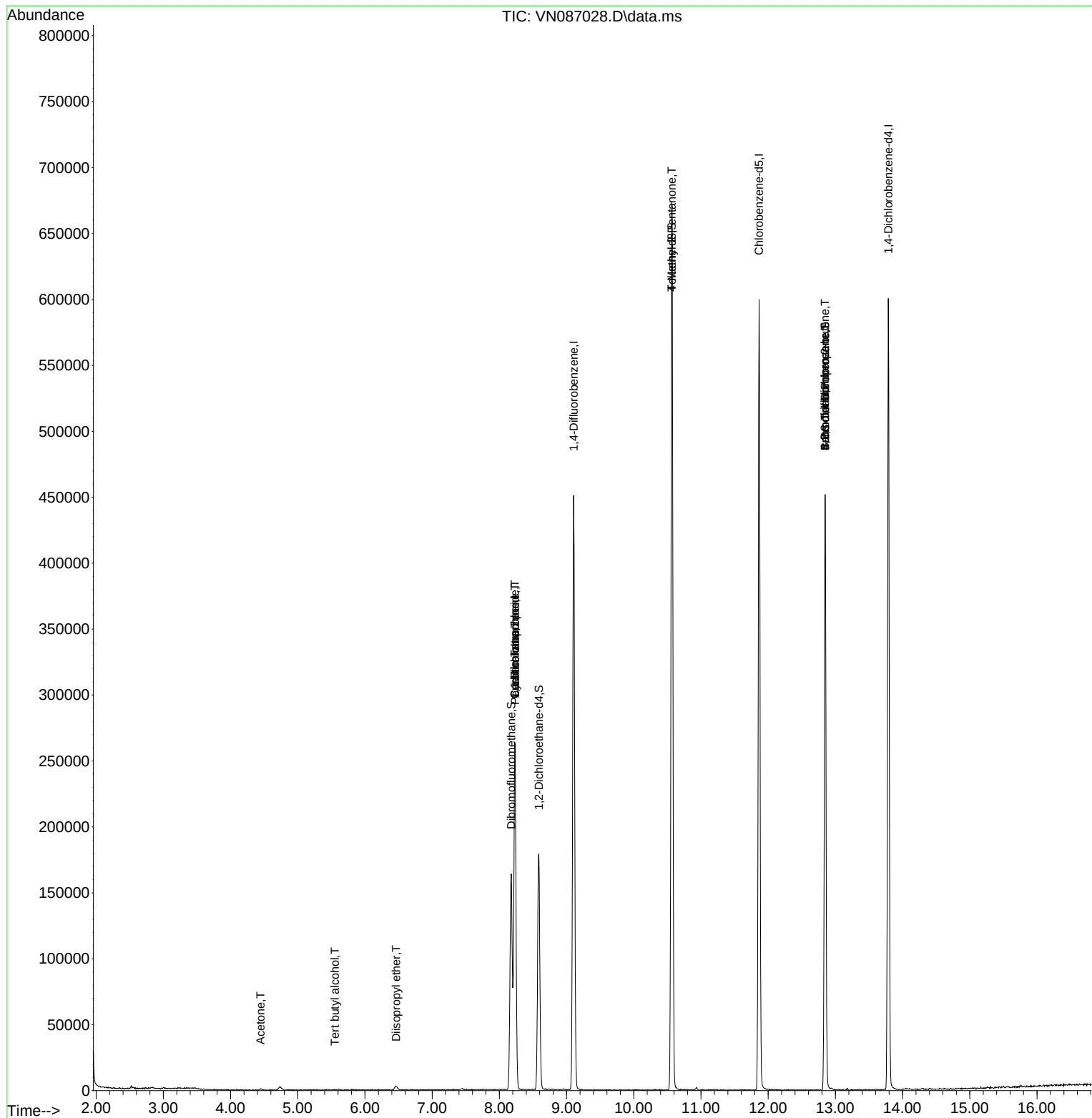
Internal Standards						
1) Pentafluorobenzene	8.235	168	211245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	419153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	374756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	175252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	148717	52.581	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.160%	
35) Dibromofluoromethane	8.177	113	127300	51.248	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.500%	
50) Toluene-d8	10.565	98	510077	51.871	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.740%	
62) 4-Bromofluorobenzene	12.847	95	181483	49.675	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.340%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.553	59	198	0.258	ug/l #	73
16) Acetone	4.447	43	1846	1.231	ug/l	90
22) Diisopropyl ether	6.465	45	1834	0.223	ug/l #	9
31) Cyclohexane	8.229	56	3489	0.761	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	15509	4.190	ug/l #	48
38) Carbon Tetrachloride	8.229	117	20407	5.616	ug/l #	16
51) 4-Methyl-2-Pentanone	10.565	43	1804	0.396	ug/l #	1
71) Bromoform	12.847	173	968	0.492	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	82289	19.753	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	82289	45.471	ug/l #	16

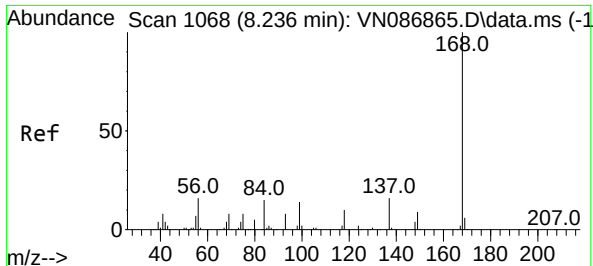
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 17 07:23:04 2025
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Response via : Initial Calibration

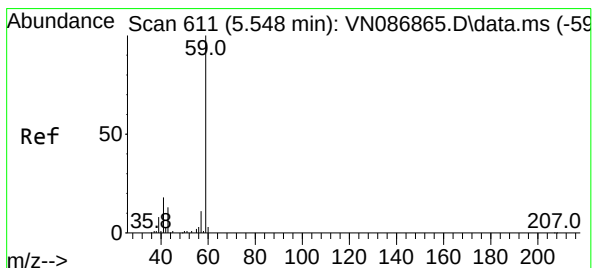
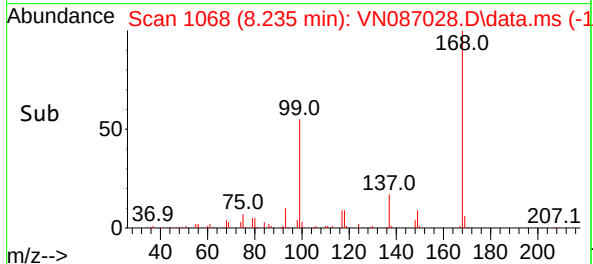
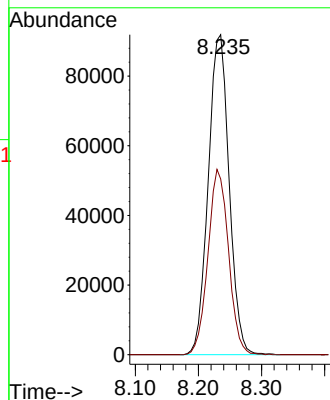
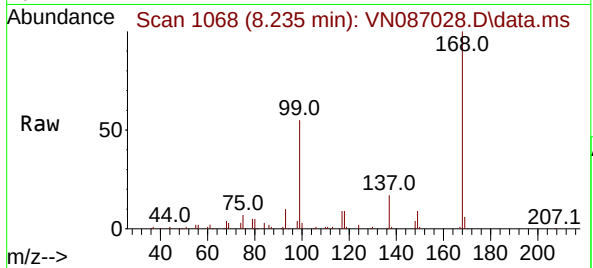




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN087028.D
Acq: 16 Jun 2025 14:08

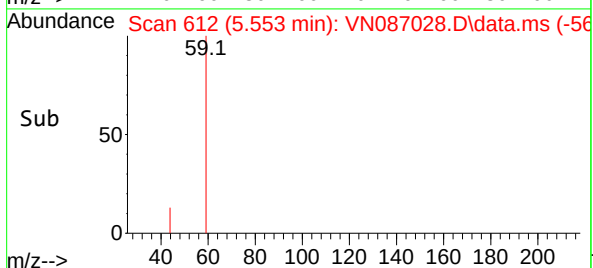
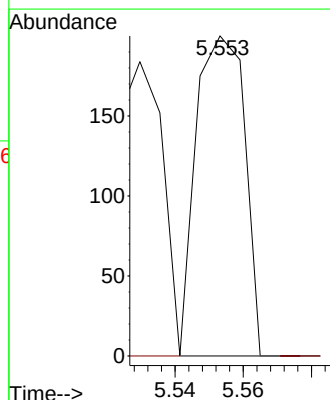
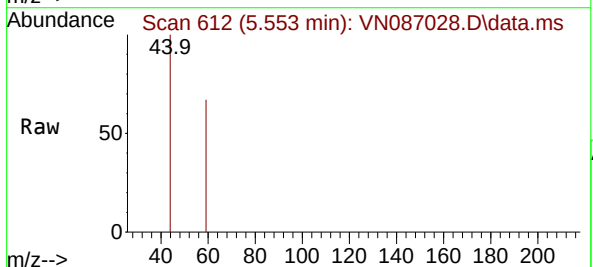
Instrument :
MSVOA_N
ClientSampleId :
RW10A-MW01I-20250609

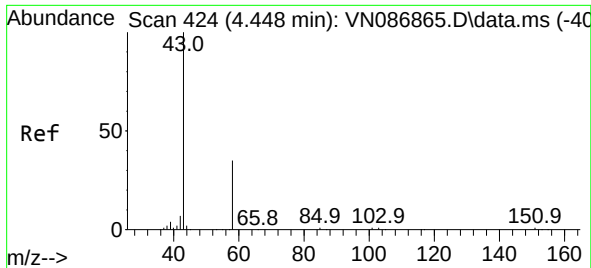
Tgt Ion:168 Resp: 211245
Ion Ratio Lower Upper
168 100
99 54.9 49.1 73.7



#11
Tert butyl alcohol
Concen: 0.258 ug/l
RT: 5.553 min Scan# 612
Delta R.T. 0.006 min
Lab File: VN087028.D
Acq: 16 Jun 2025 14:08

Tgt Ion: 59 Resp: 198
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16

Acetone

Concen: 1.231 ug/l

RT: 4.447 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN087028.D

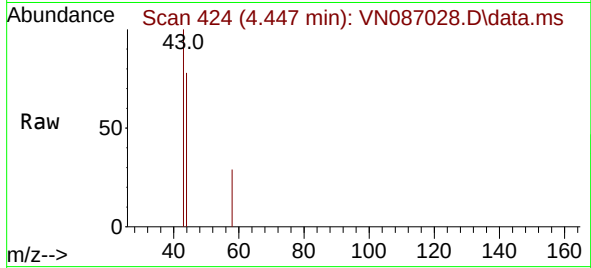
Acq: 16 Jun 2025 14:08

Instrument :

MSVOA_N

ClientSampleId :

RW10A-MW01I-20250609

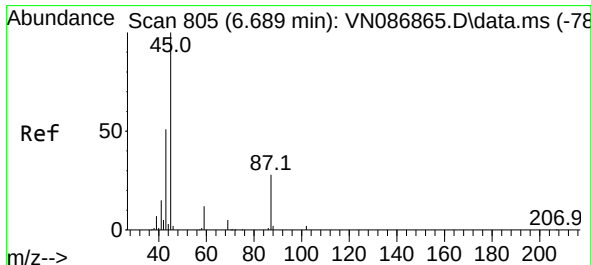
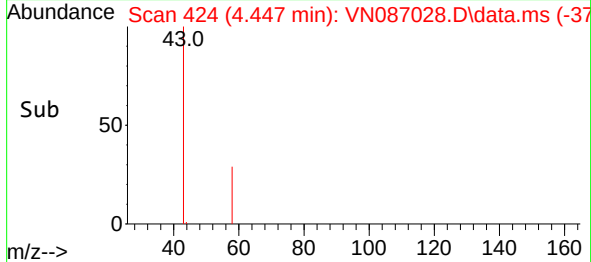
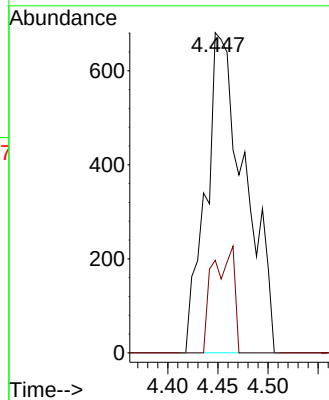


Tgt Ion: 43 Resp: 1846

Ion Ratio Lower Upper

43 100

58 28.9 28.0 42.0



#22

Diisopropyl ether

Concen: 0.223 ug/l

RT: 6.465 min Scan# 767

Delta R.T. -0.224 min

Lab File: VN087028.D

Acq: 16 Jun 2025 14:08

Tgt Ion: 45 Resp: 1834

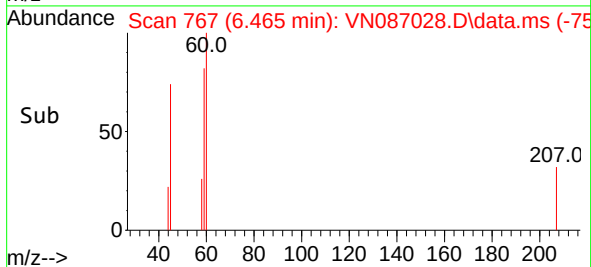
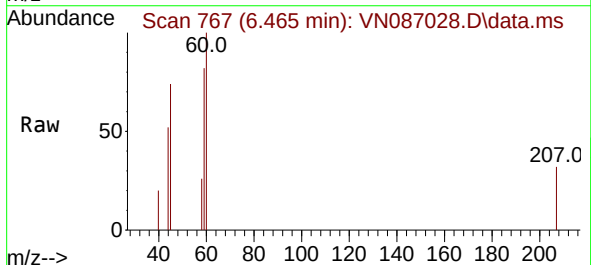
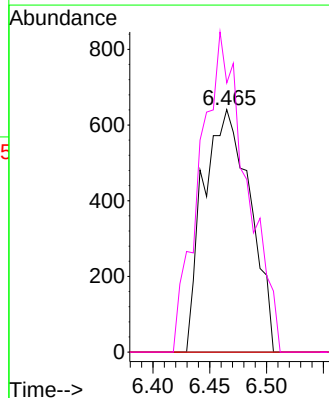
Ion Ratio Lower Upper

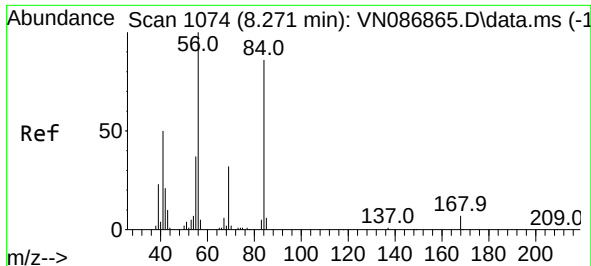
45 100

43 0.0 41.9 62.9#

87 0.0 22.4 33.6#

59 110.9 9.8 14.6#

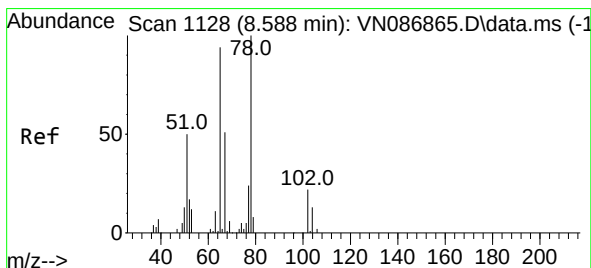
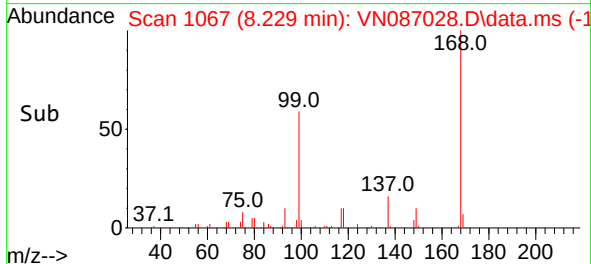
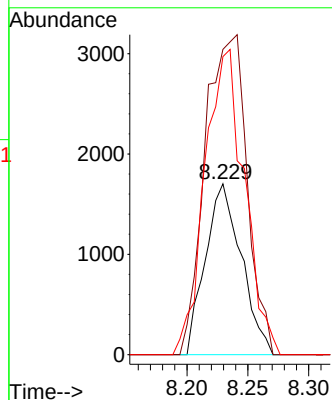
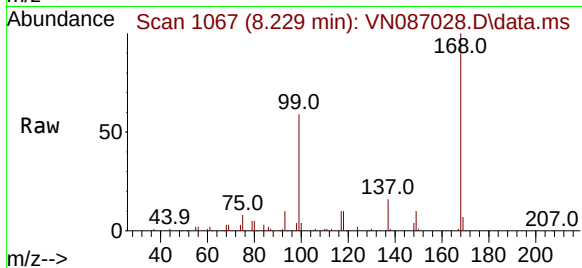




#31
Cyclohexane
Concen: 0.761 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087028.D
Acq: 16 Jun 2025 14:08

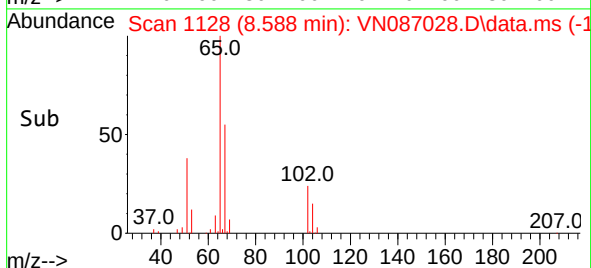
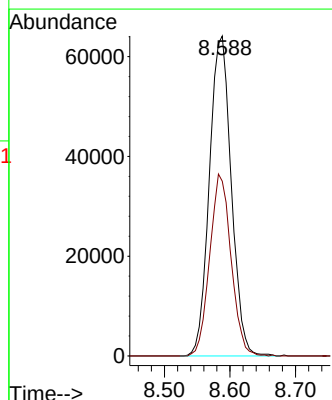
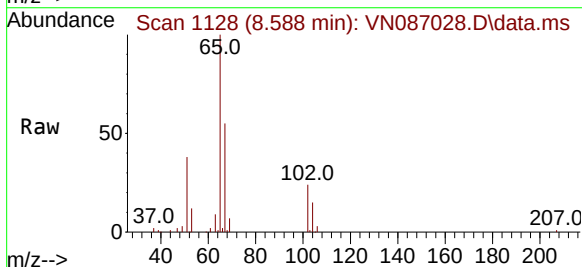
Instrument :
MSVOA_N
ClientSampleId :
RW10A-MW01I-20250609

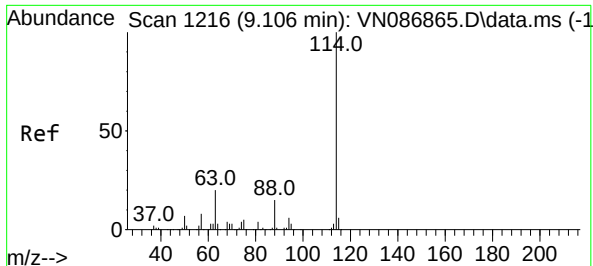
Tgt Ion: 56 Resp: 3489
Ion Ratio Lower Upper
56 100
69 178.6 25.4 38.0#
84 174.4 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 52.581 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087028.D
Acq: 16 Jun 2025 14:08

Tgt Ion: 65 Resp: 148717
Ion Ratio Lower Upper
65 100
67 55.3 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087028.D

Acq: 16 Jun 2025 14:08

Instrument :

MSVOA_N

ClientSampleId :

RW10A-MW01I-20250609

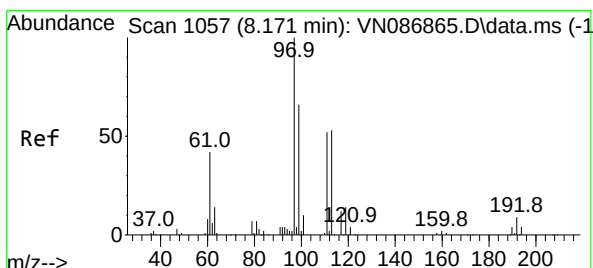
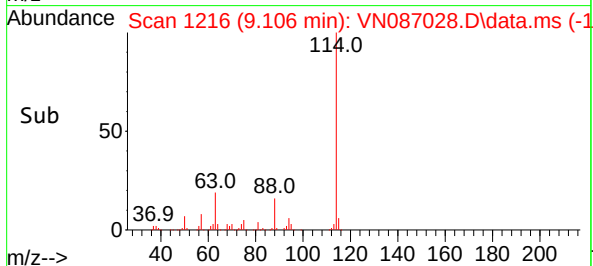
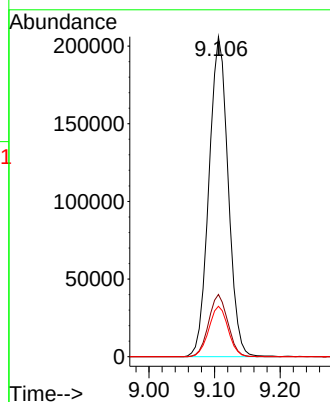
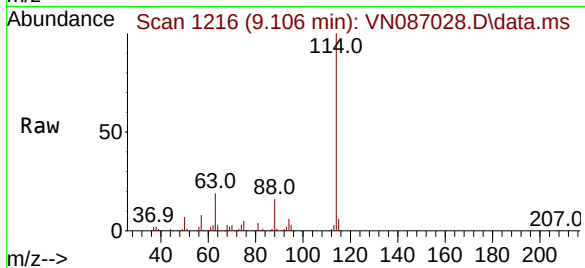
Tgt Ion:114 Resp: 419153

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.6

88 15.8 0.0 30.2



#35

Dibromofluoromethane

Concen: 51.248 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087028.D

Acq: 16 Jun 2025 14:08

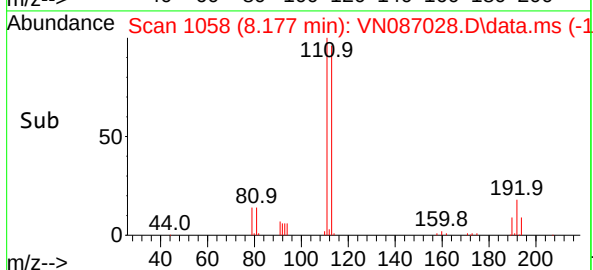
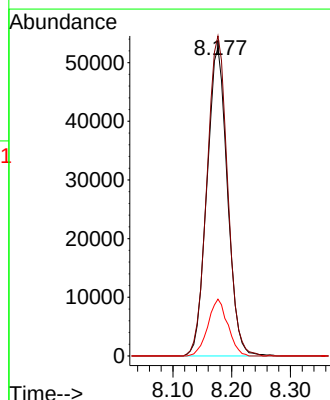
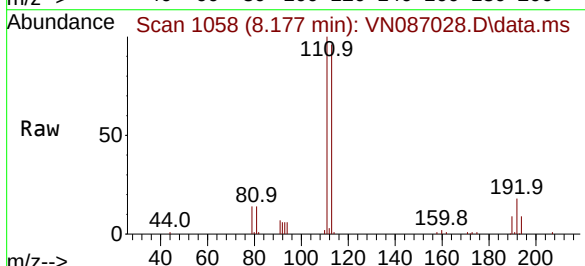
Tgt Ion:113 Resp: 127300

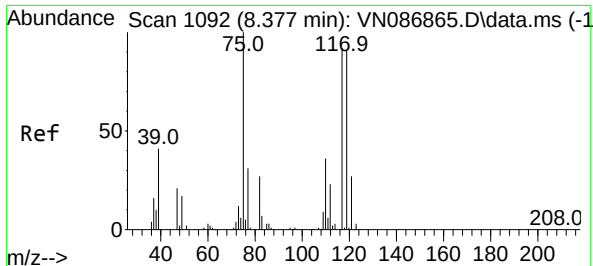
Ion Ratio Lower Upper

113 100

111 104.0 84.2 126.2

192 17.9 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.190 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087028.D

Acq: 16 Jun 2025 14:08

Instrument :

MSVOA_N

ClientSampleId :

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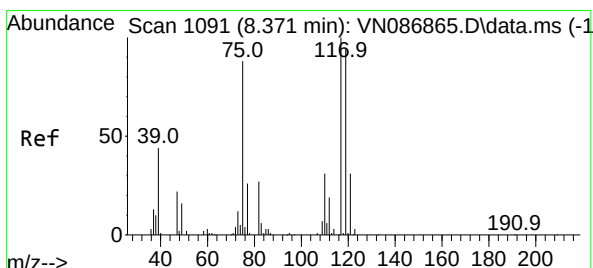
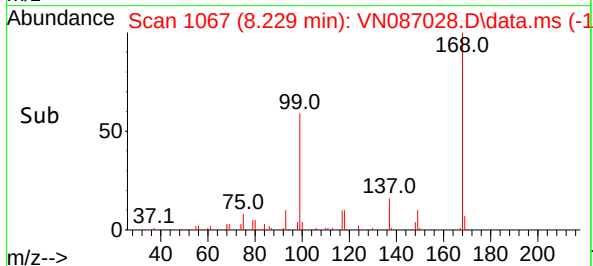
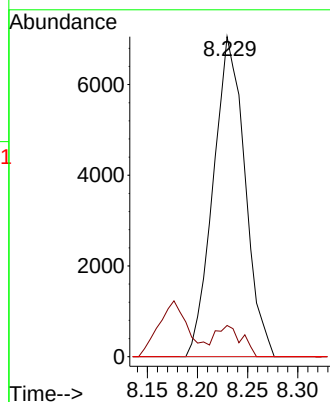
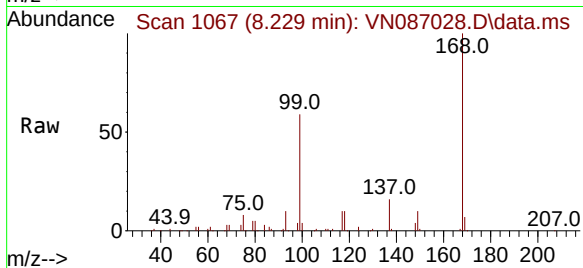
Tgt Ion: 75 Resp: 15509

Ion Ratio Lower Upper

75 100

110 7.8 17.6 52.9#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.616 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087028.D

Acq: 16 Jun 2025 14:08

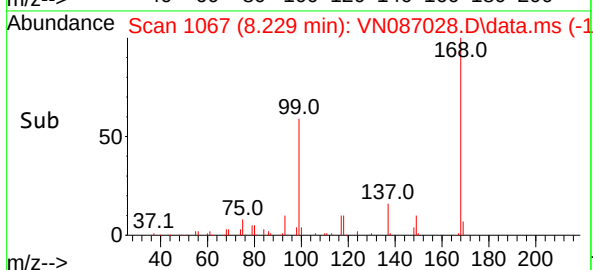
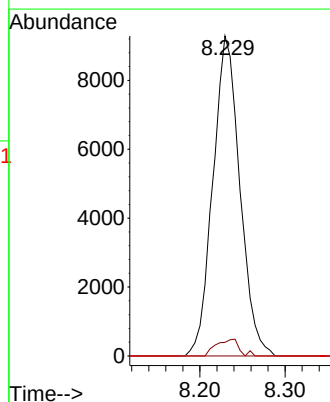
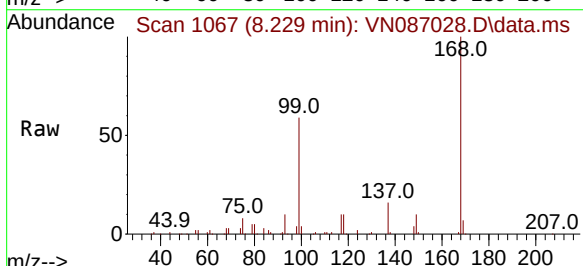
Tgt Ion: 117 Resp: 20407

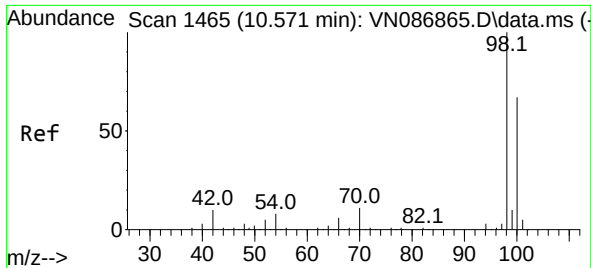
Ion Ratio Lower Upper

117 100

119 4.3 75.0 112.6#

121 0.0 24.9 37.3#

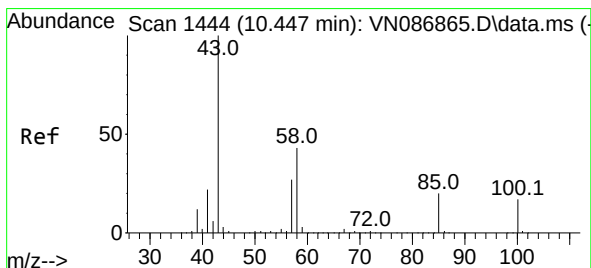
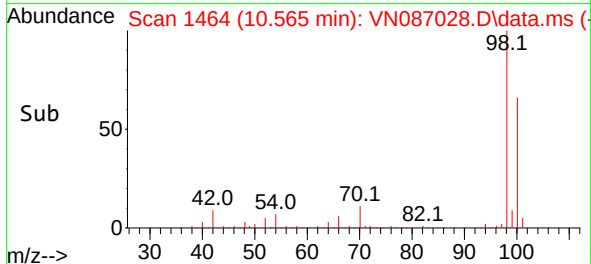
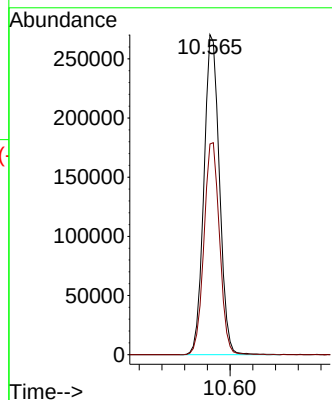
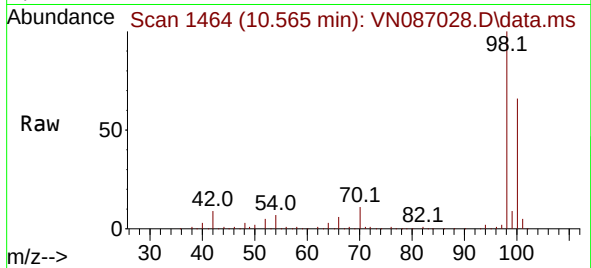




#50
Toluene-d8
Concen: 51.871 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087028.D
Acq: 16 Jun 2025 14:08

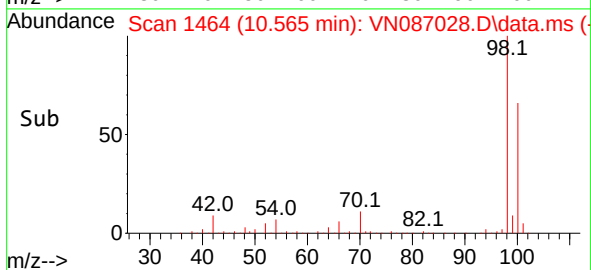
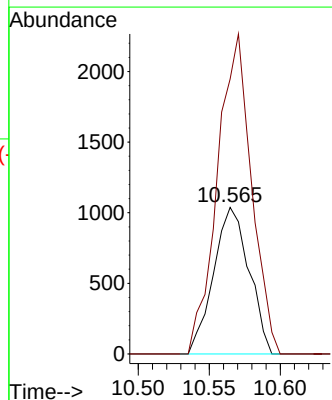
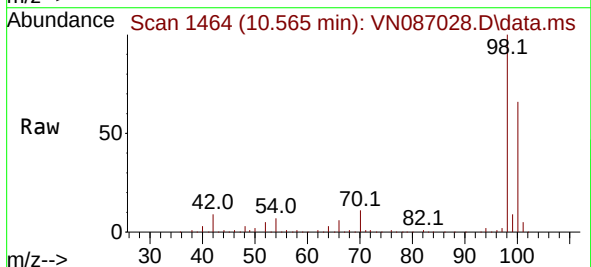
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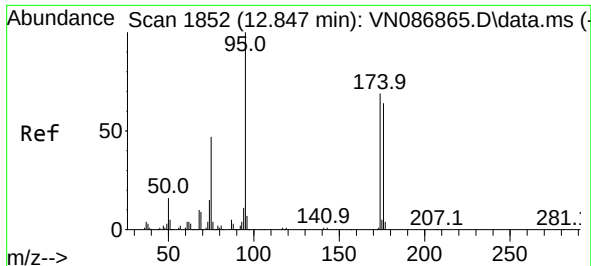
Tgt Ion: 98 Resp: 510077
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.396 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.117 min
Lab File: VN087028.D
Acq: 16 Jun 2025 14:08

Tgt Ion: 43 Resp: 1804
Ion Ratio Lower Upper
43 100
58 210.1 34.2 51.4#

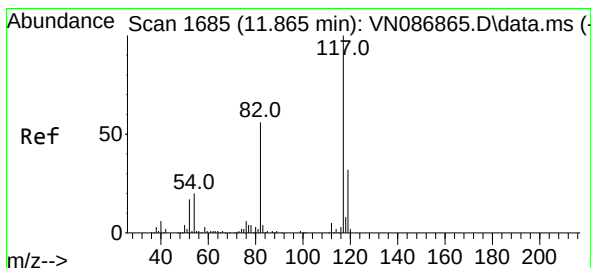
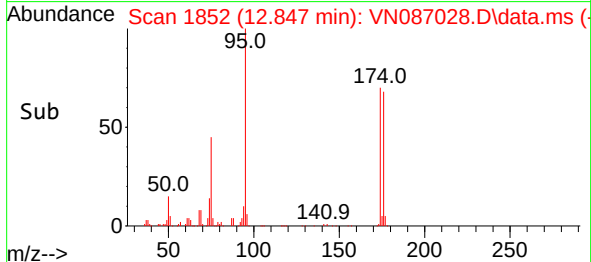
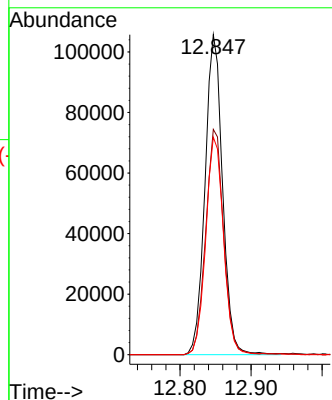
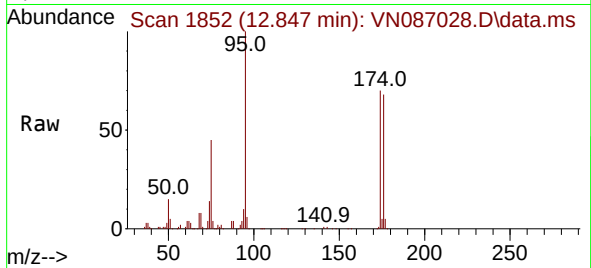




#62
4-Bromofluorobenzene
Concen: 49.675 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087028.D
Acq: 16 Jun 2025 14:08

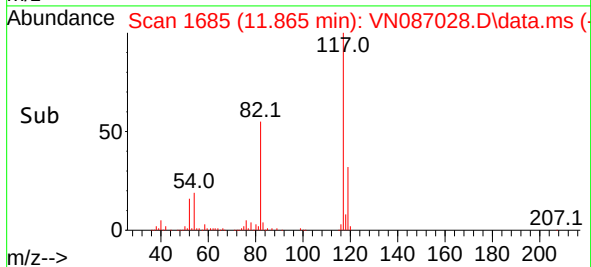
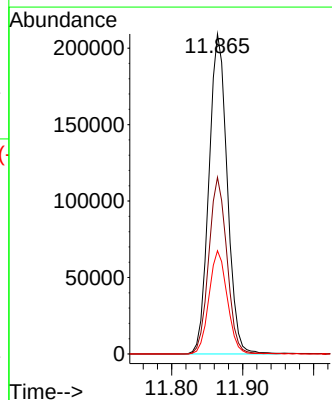
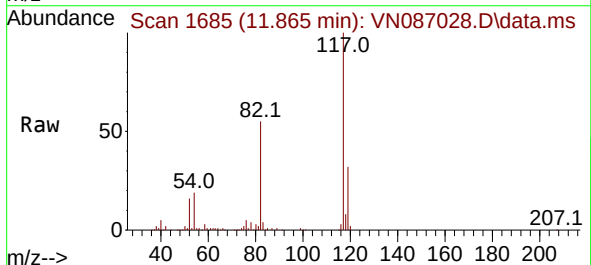
Instrument :
MSVOA_N
ClientSampleId :
RW10A-MW01I-20250609

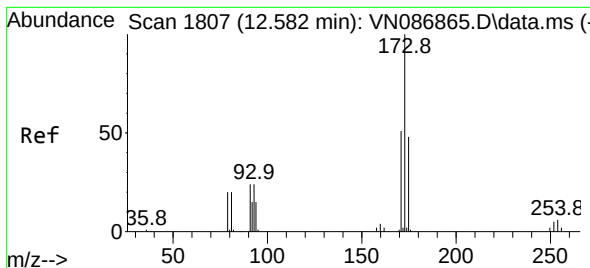
Tgt Ion: 95 Resp: 181483
Ion Ratio Lower Upper
95 100
174 72.0 0.0 141.8
176 69.3 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087028.D
Acq: 16 Jun 2025 14:08

Tgt Ion:117 Resp: 374756
Ion Ratio Lower Upper
117 100
82 55.2 44.6 67.0
119 32.3 25.5 38.3





#71

Bromoform

Concen: 0.492 ug/l

RT: 12.847 min Scan# 1

Delta R.T. 0.264 min

Lab File: VN087028.D

Acq: 16 Jun 2025 14:08

Instrument :

MSVOA_N

ClientSampleId :

RW10A-MW01I-20250609

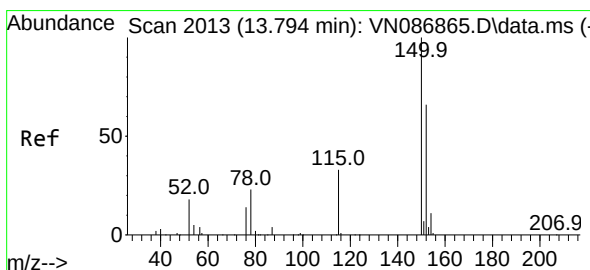
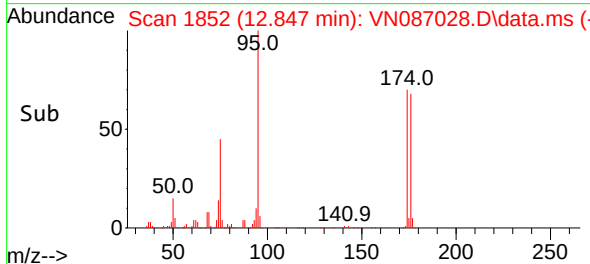
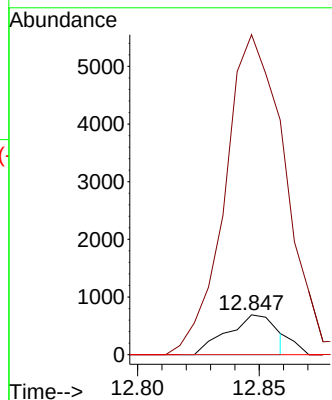
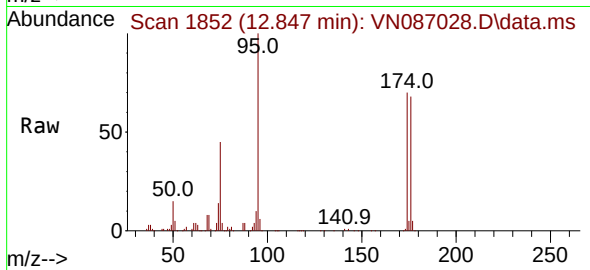
Tgt Ion:173 Resp: 968

Ion Ratio Lower Upper

173 100

175 863.4 24.1 72.4#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.006 min

Lab File: VN087028.D

Acq: 16 Jun 2025 14:08

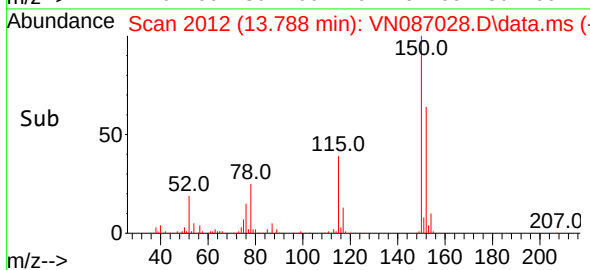
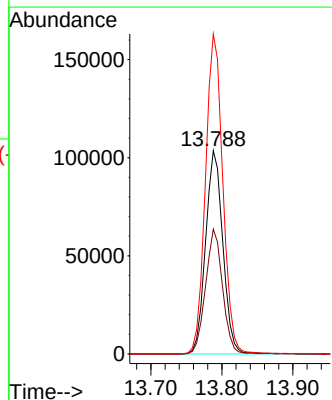
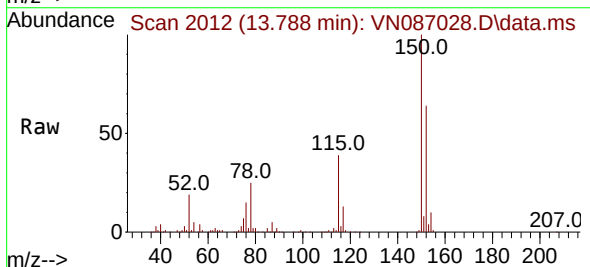
Tgt Ion:152 Resp: 175252

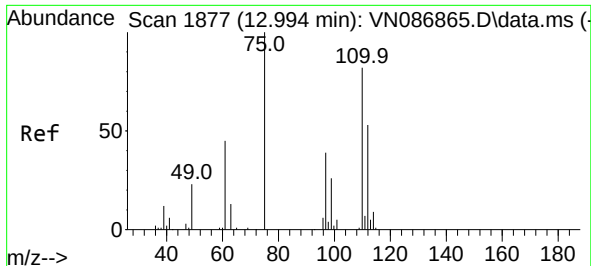
Ion Ratio Lower Upper

152 100

115 60.5 30.1 90.5

150 158.5 0.0 345.0

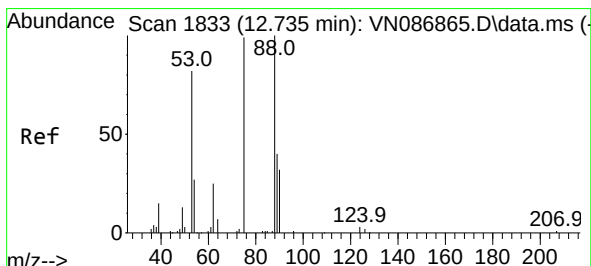
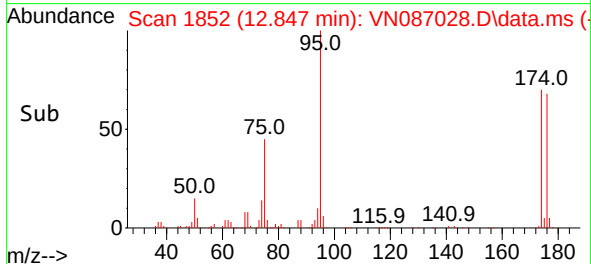
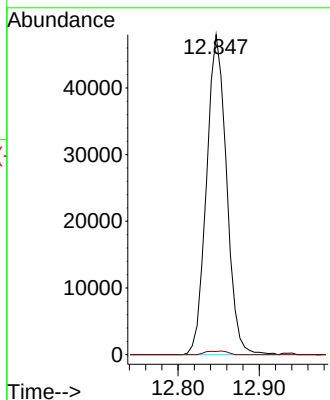
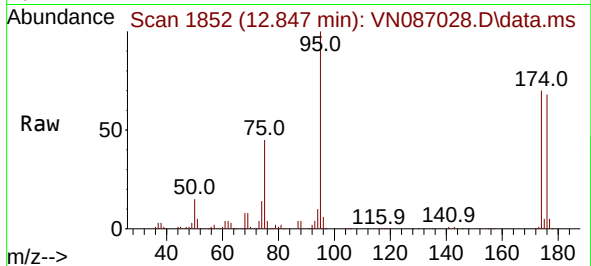




#76
1,2,3-Trichloropropane
Concen: 19.753 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087028.D
Acq: 16 Jun 2025 14:08

Instrument :
MSVOA_N
ClientSampleId :
RW10A-MW01I-20250609

Tgt Ion: 75 Resp: 82289
Ion Ratio Lower Upper
75 100
77 1.2 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 45.471 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087028.D
Acq: 16 Jun 2025 14:08

Tgt Ion: 75 Resp: 82289
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#

