

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086963.D
 Acq On : 11 Jun 2025 20:39
 Operator : JC\MD
 Sample : Q2263-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RW9-MW01D3-20250606

Quant Time: Jun 12 01:47:14 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)

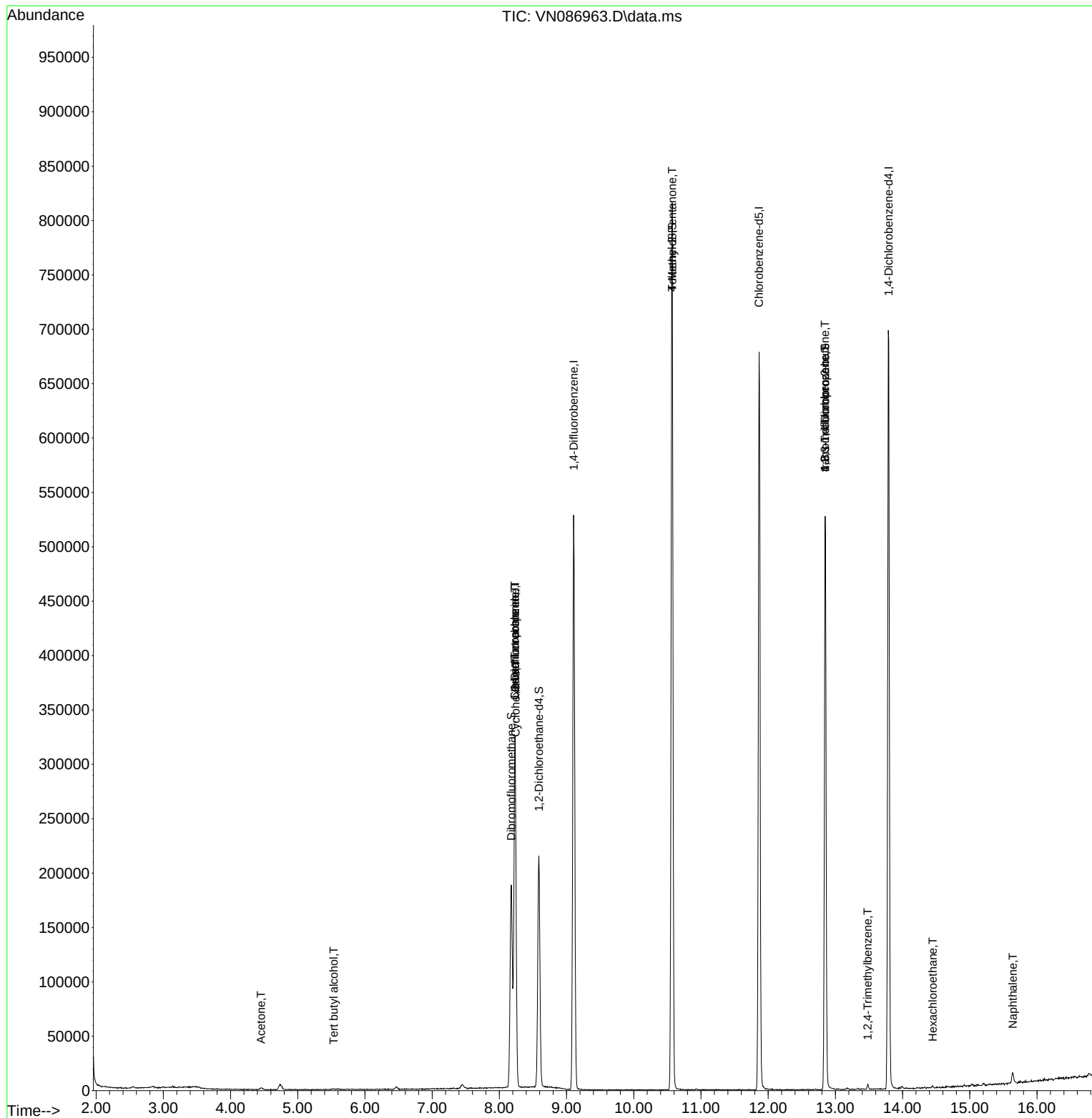
Internal Standards						
1) Pentafluorobenzene	8.235	168	255804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	486937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	433933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	207409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	173262	50.588	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 101.180%		
35) Dibromofluoromethane	8.177	113	146437	50.746	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.500%		
50) Toluene-d8	10.571	98	592829	51.894	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 103.780%		
62) 4-Bromofluorobenzene	12.847	95	212200	49.997	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 100.000%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.536	59	330	0.355	ug/l #	73
16) Acetone	4.453	43	3409	1.877	ug/l #	82
31) Cyclohexane	8.241	56	4569	0.823	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	19333	4.496	ug/l #	47
38) Carbon Tetrachloride	8.230	117	24841	5.884	ug/l #	18
51) 4-Methyl-2-Pentanone	10.571	43	2013	0.381	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	99569	20.196	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	99569	46.490	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.482	105	2719	0.217	ug/l	93
90) Hexachloroethane	14.447	117	1557	0.670	ug/l #	17
95) Naphthalene	15.641	128	10758	0.691	ug/l	99

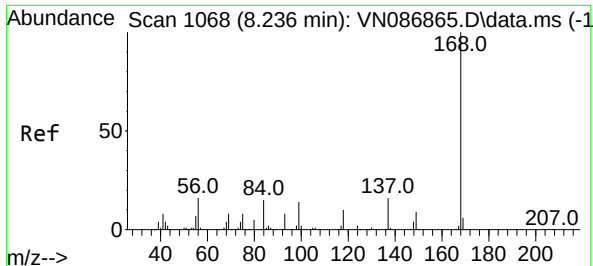
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

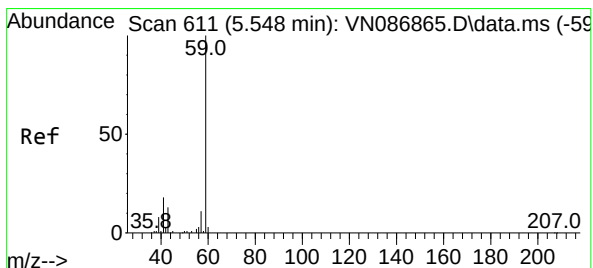
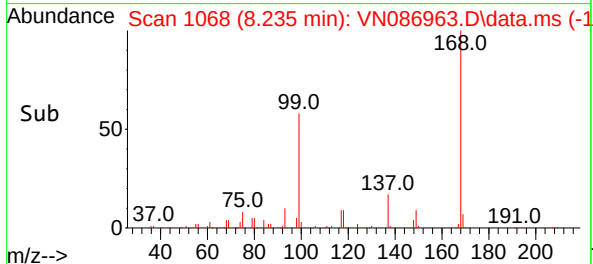
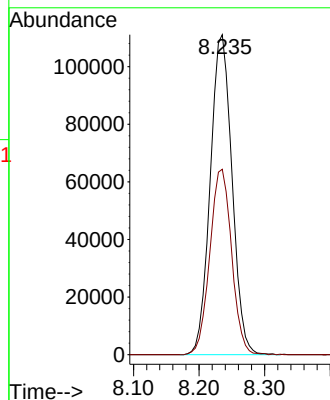
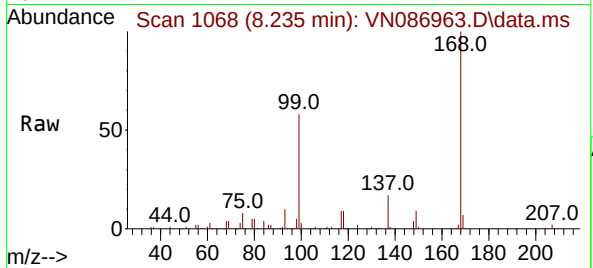




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086963.D
Acq: 11 Jun 2025 20:39

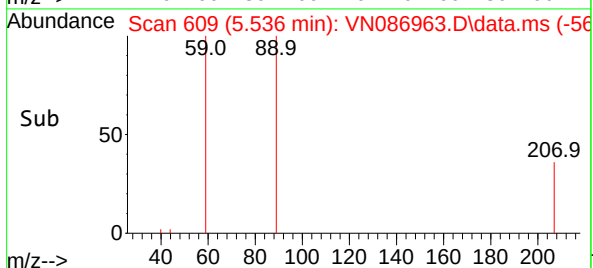
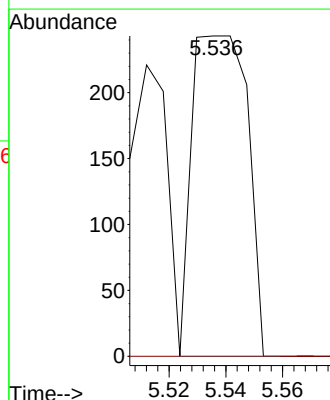
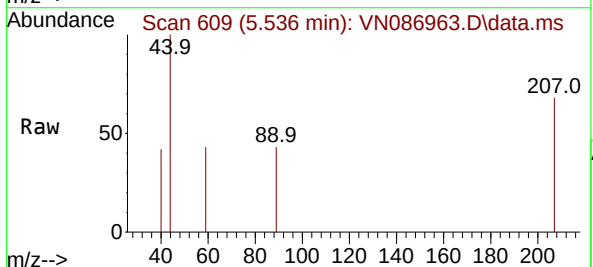
Instrument :
MSVOA_N
ClientSampleId :
RW9-MW01D3-20250606

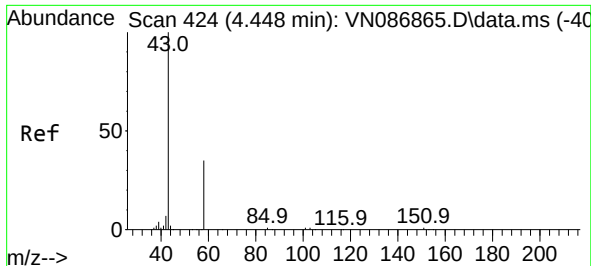
Tgt Ion:168 Resp: 255804
Ion Ratio Lower Upper
168 100
99 58.0 49.1 73.7



#11
Tert butyl alcohol
Concen: 0.355 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.012 min
Lab File: VN086963.D
Acq: 11 Jun 2025 20:39

Tgt Ion: 59 Resp: 330
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

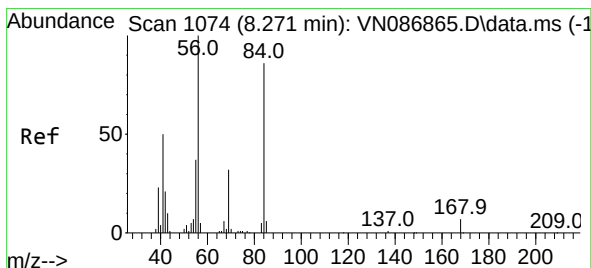
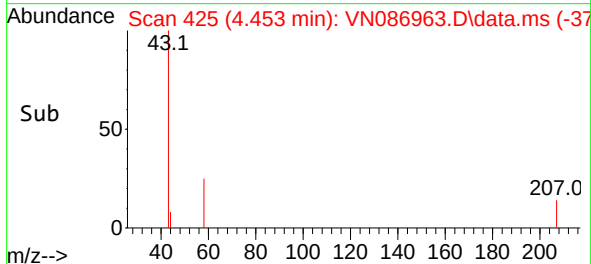
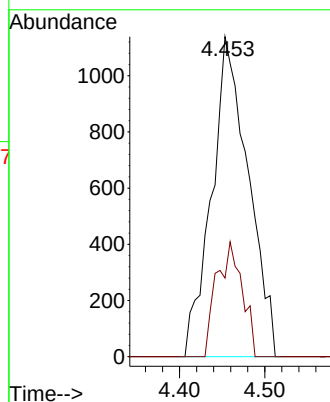
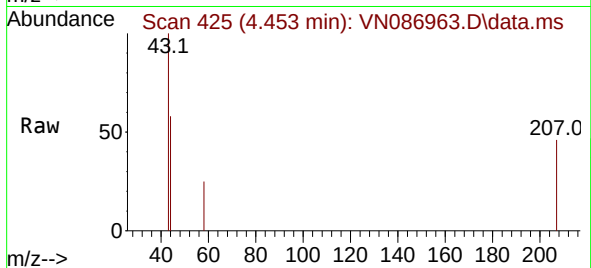




#16
Acetone
Concen: 1.877 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086963.D
Acq: 11 Jun 2025 20:39

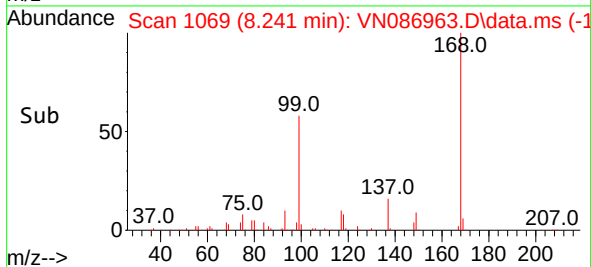
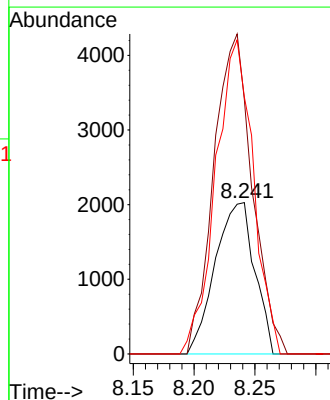
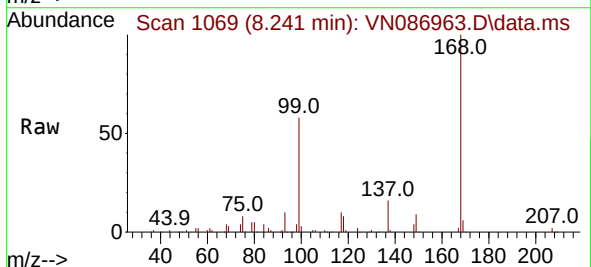
Instrument :
MSVOA_N
ClientSampleId :
RW9-MW01D3-20250606

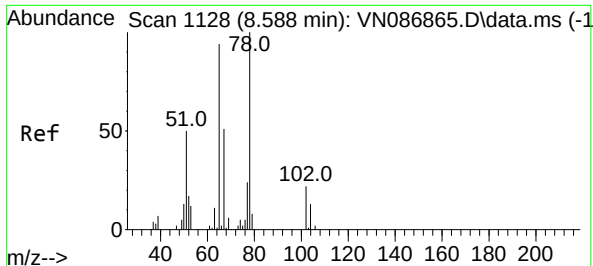
Tgt Ion: 43 Resp: 3409
Ion Ratio Lower Upper
43 100
58 24.6 28.0 42.0#



#31
Cyclohexane
Concen: 0.823 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.030 min
Lab File: VN086963.D
Acq: 11 Jun 2025 20:39

Tgt Ion: 56 Resp: 4569
Ion Ratio Lower Upper
56 100
69 167.9 25.4 38.0#
84 169.6 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 50.588 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086963.D

Acq: 11 Jun 2025 20:39

Instrument :

MSVOA_N

ClientSampleId :

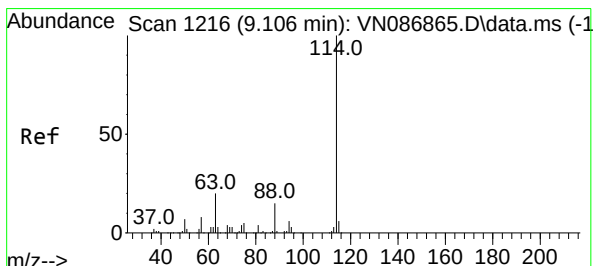
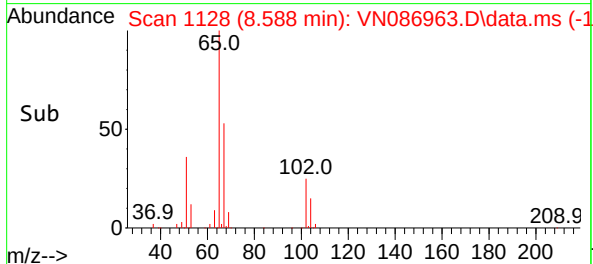
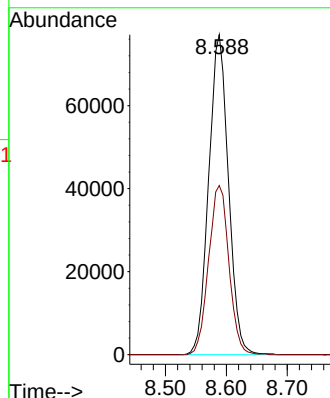
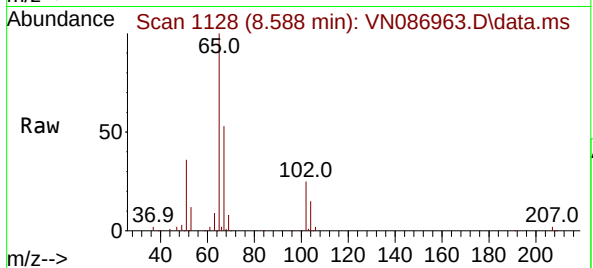
RW9-MW01D3-20250606

Tgt Ion: 65 Resp: 173262

Ion Ratio Lower Upper

65 100

67 54.5 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086963.D

Acq: 11 Jun 2025 20:39

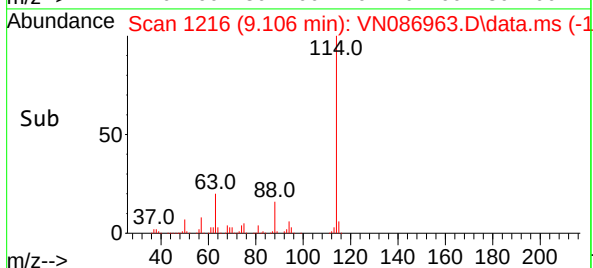
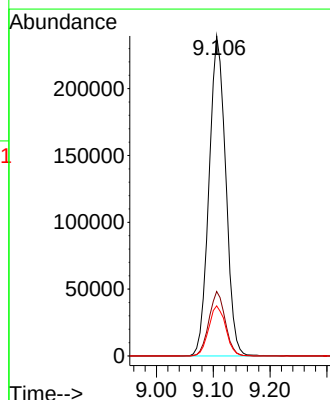
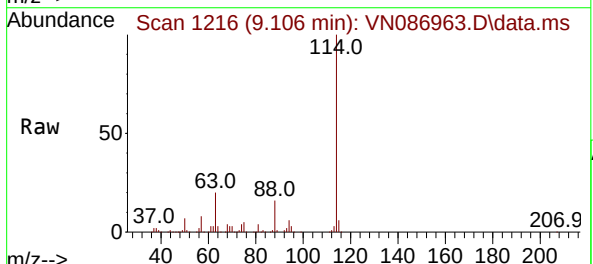
Tgt Ion: 114 Resp: 486937

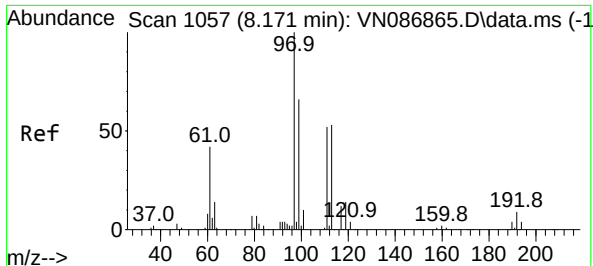
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.746 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN086963.D

Acq: 11 Jun 2025 20:39

Instrument :

MSVOA_N

ClientSampleId :

RW9-MW01D3-20250606

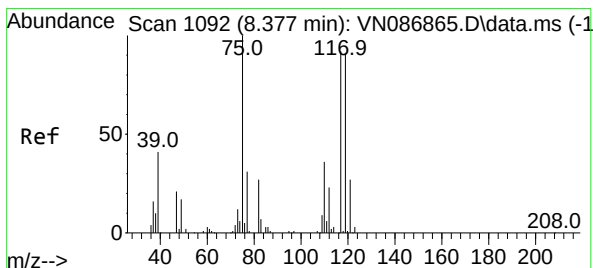
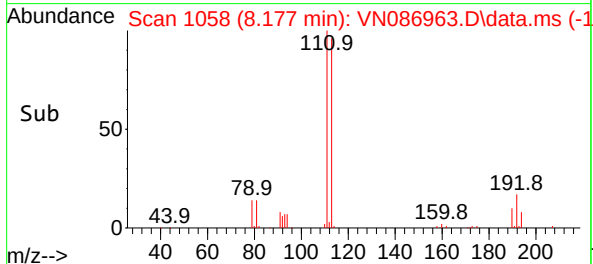
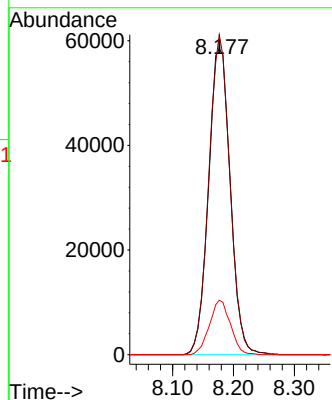
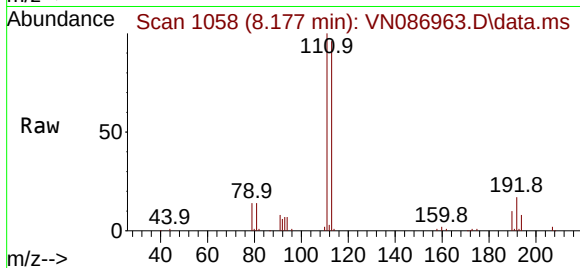
Tgt Ion:113 Resp: 146437

Ion Ratio Lower Upper

113 100

111 100.8 84.2 126.2

192 17.0 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.496 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN086963.D

Acq: 11 Jun 2025 20:39

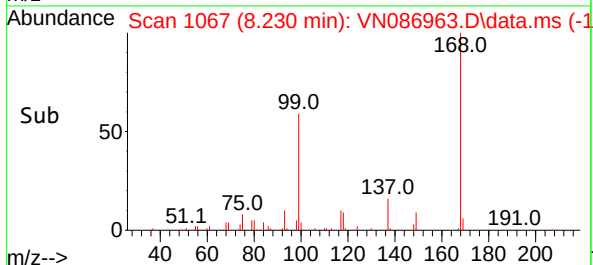
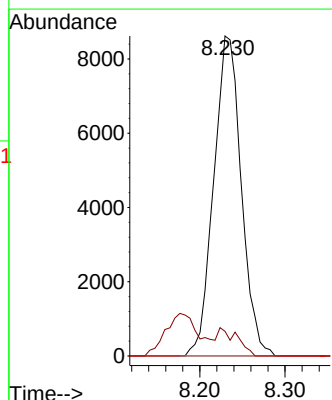
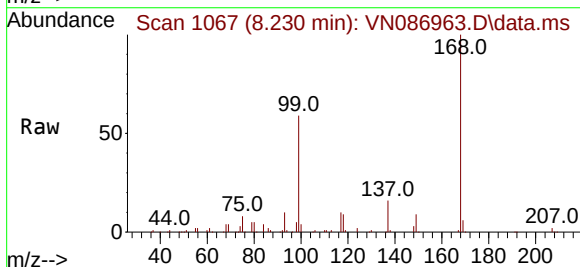
Tgt Ion: 75 Resp: 19333

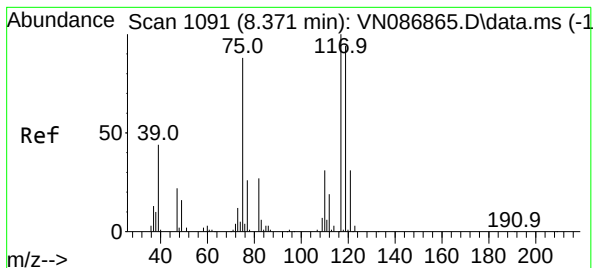
Ion Ratio Lower Upper

75 100

110 6.1 17.6 52.9#

77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 5.884 ug/l

RT: 8.230 min Scan# 1091

Delta R.T. -0.141 min

Lab File: VN086963.D

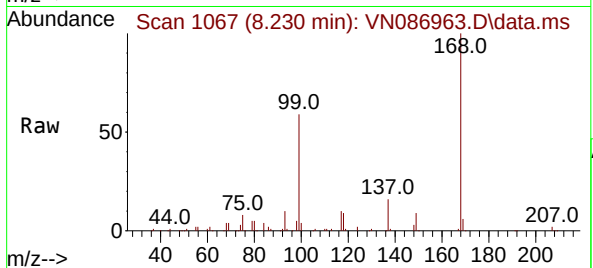
Acq: 11 Jun 2025 20:39

Instrument :

MSVOA_N

ClientSampleId :

RW9-MW01D3-20250606



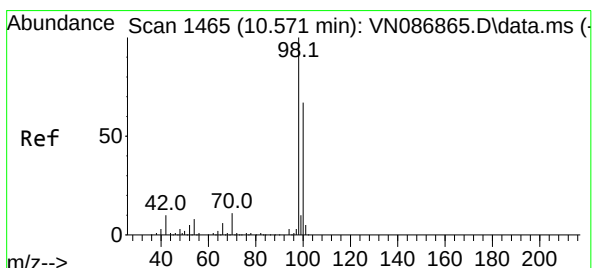
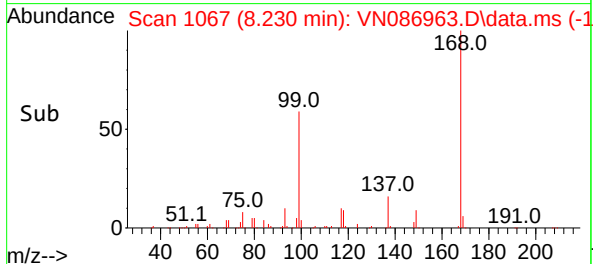
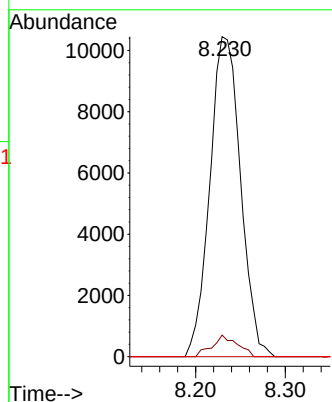
Tgt Ion:117 Resp: 24841

Ion Ratio Lower Upper

117 100

119 6.7 75.0 112.6#

121 0.0 24.9 37.3#



#50

Toluene-d8

Concen: 51.894 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN086963.D

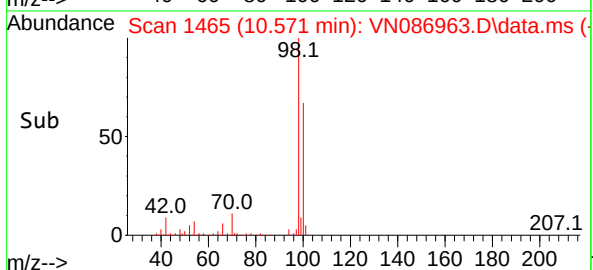
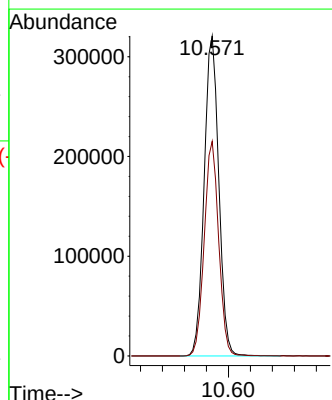
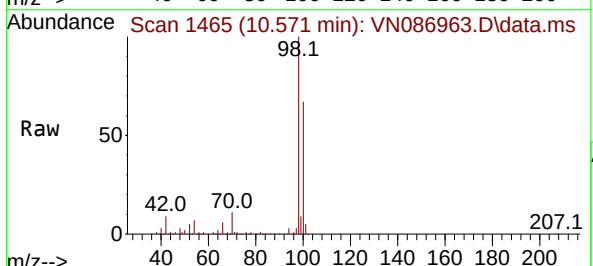
Acq: 11 Jun 2025 20:39

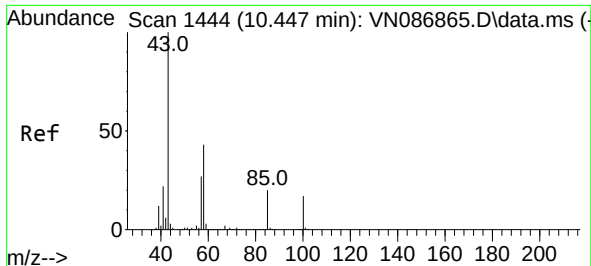
Tgt Ion: 98 Resp: 592829

Ion Ratio Lower Upper

98 100

100 66.1 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 0.381 ug/l

RT: 10.571 min Scan# 1444

Delta R.T. 0.123 min

Lab File: VN086963.D

Acq: 11 Jun 2025 20:39

Instrument :

MSVOA_N

ClientSampleId :

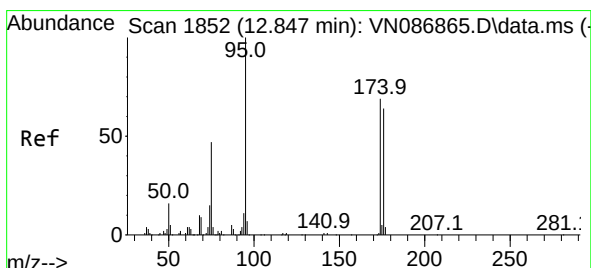
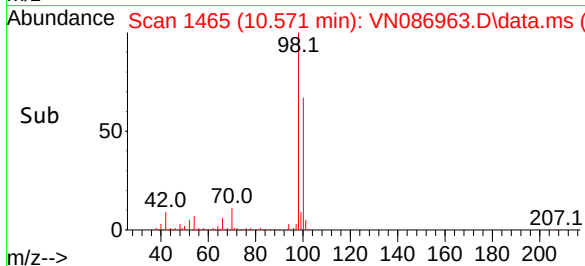
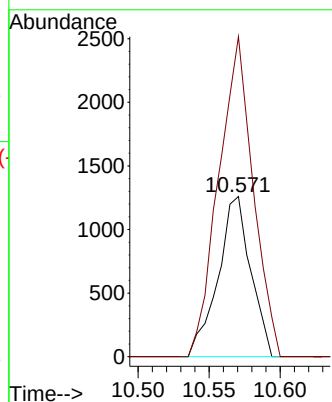
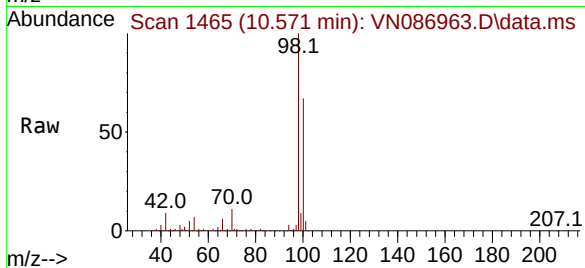
RW9-MW01D3-20250606

Tgt Ion: 43 Resp: 2013

Ion Ratio Lower Upper

43 100

58 210.7 34.2 51.4#



#62

4-Bromofluorobenzene

Concen: 49.997 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN086963.D

Acq: 11 Jun 2025 20:39

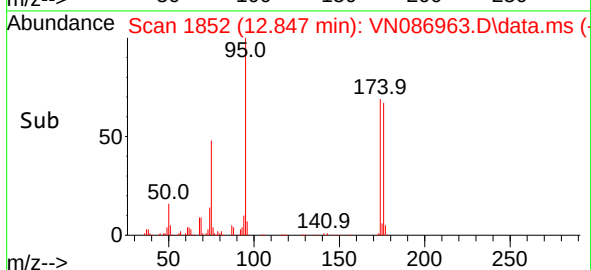
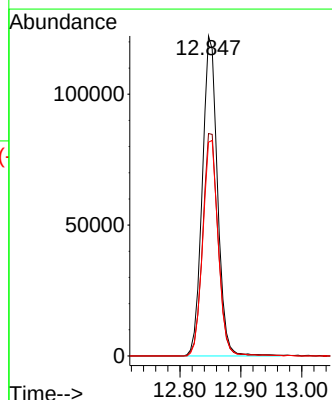
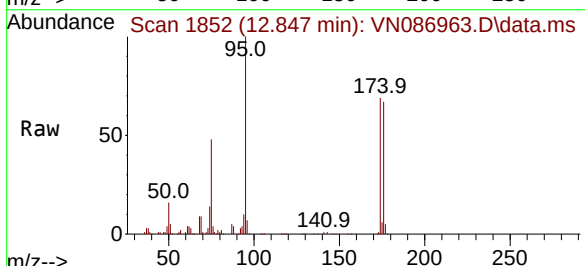
Tgt Ion: 95 Resp: 212200

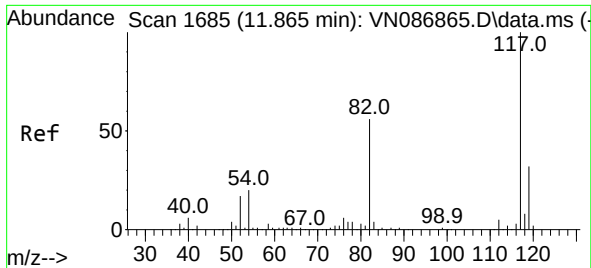
Ion Ratio Lower Upper

95 100

174 70.4 0.0 141.8

176 68.6 0.0 132.6

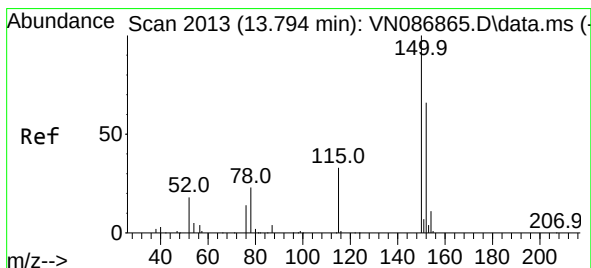
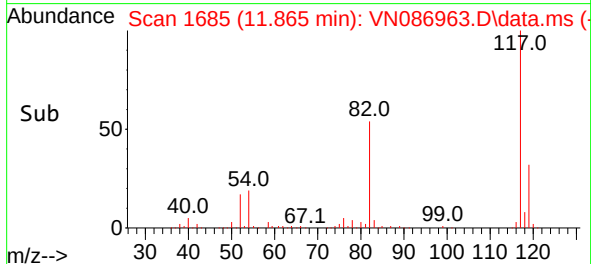
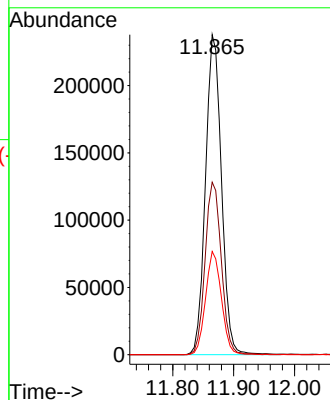
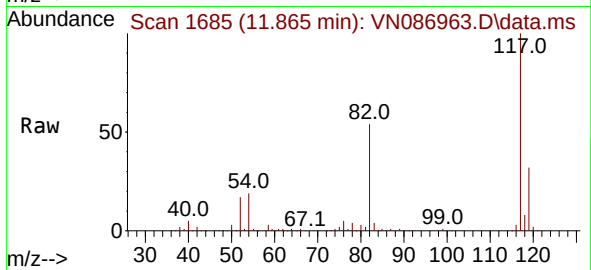




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086963.D
Acq: 11 Jun 2025 20:39

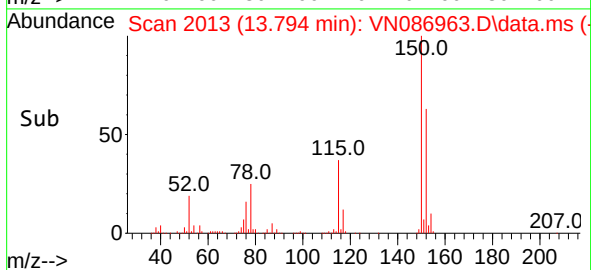
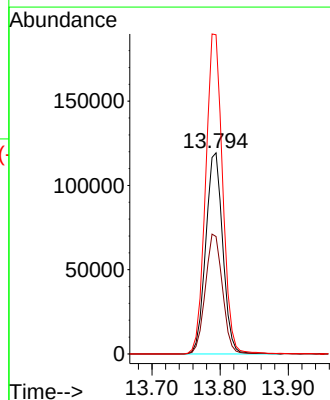
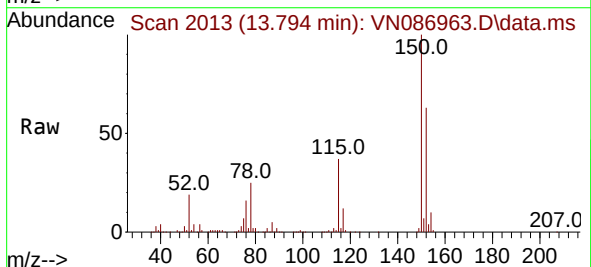
Instrument :
MSVOA_N
ClientSampleId :
RW9-MW01D3-20250606

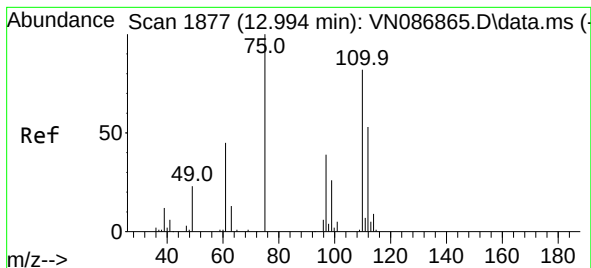
Tgt Ion:117 Resp: 433933
Ion Ratio Lower Upper
117 100
82 53.9 44.6 67.0
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086963.D
Acq: 11 Jun 2025 20:39

Tgt Ion:152 Resp: 207409
Ion Ratio Lower Upper
152 100
115 59.9 30.1 90.5
150 158.7 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 20.196 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086963.D

Acq: 11 Jun 2025 20:39

Instrument :

MSVOA_N

ClientSampleId :

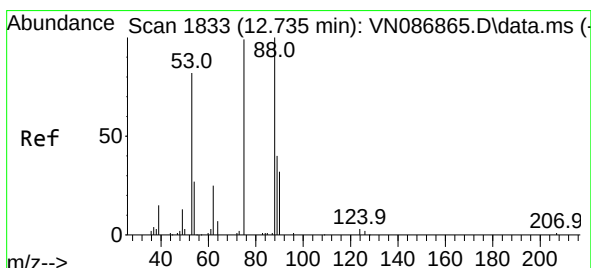
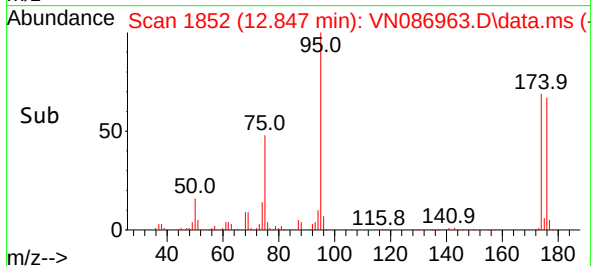
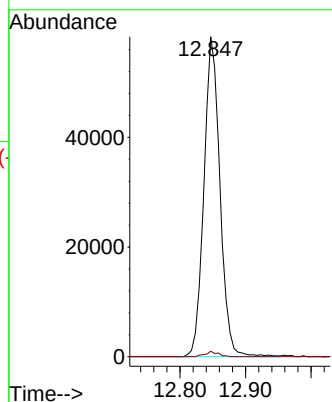
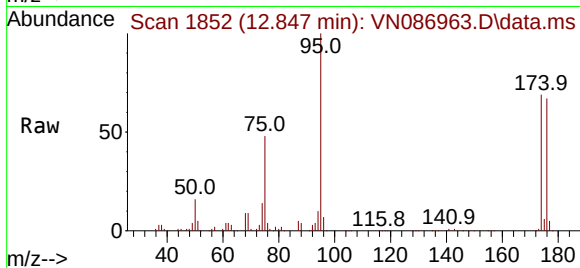
RW9-MW01D3-20250606

Tgt Ion: 75 Resp: 99569

Ion Ratio Lower Upper

75 100

77 1.3 79.3 237.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 46.490 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN086963.D

Acq: 11 Jun 2025 20:39

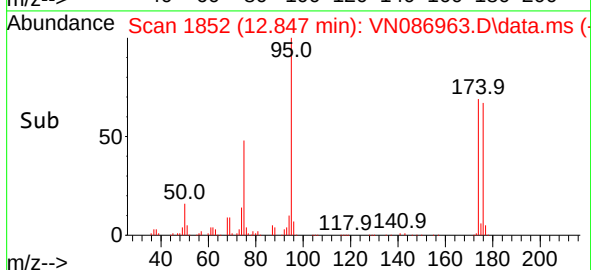
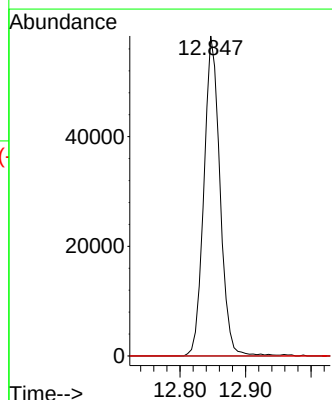
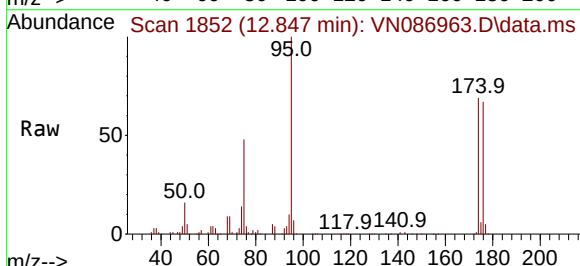
Tgt Ion: 75 Resp: 99569

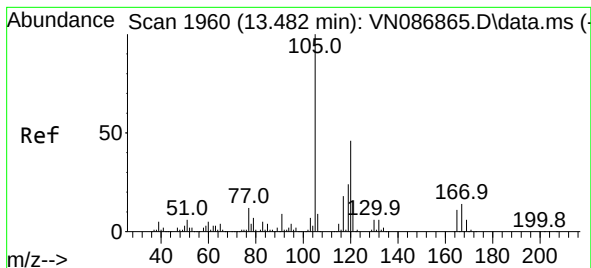
Ion Ratio Lower Upper

75 100

53 0.0 66.6 99.8#

89 0.0 36.7 55.1#





#84

1,2,4-Trimethylbenzene

Concen: 0.217 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN086963.D

Acq: 11 Jun 2025 20:39

Instrument :

MSVOA_N

ClientSampleId :

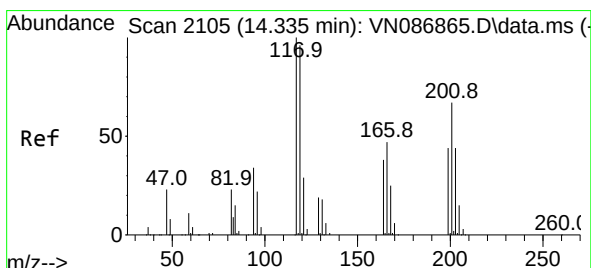
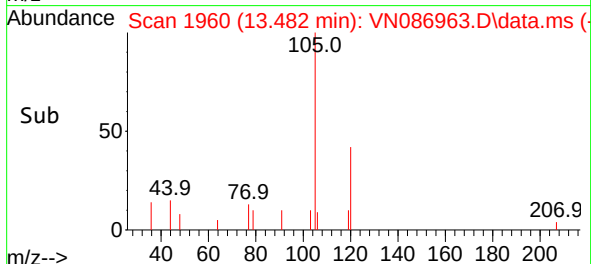
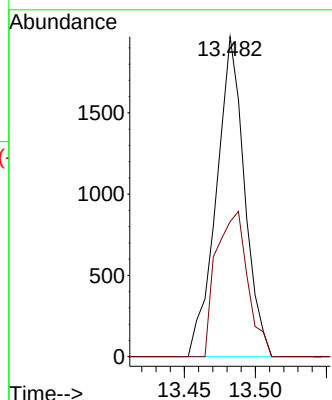
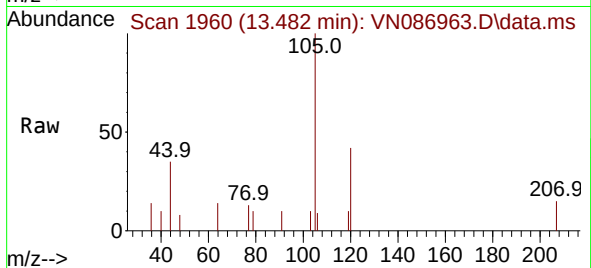
RW9-MW01D3-20250606

Tgt Ion:105 Resp: 2719

Ion Ratio Lower Upper

105 100

120 50.7 23.2 69.6



#90

Hexachloroethane

Concen: 0.670 ug/l

RT: 14.447 min Scan# 2124

Delta R.T. 0.112 min

Lab File: VN086963.D

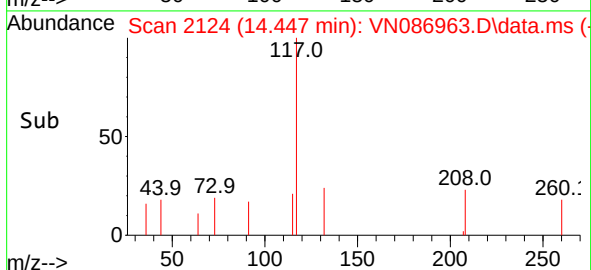
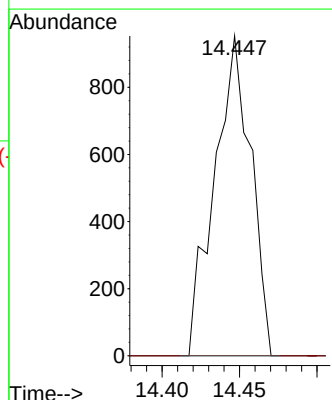
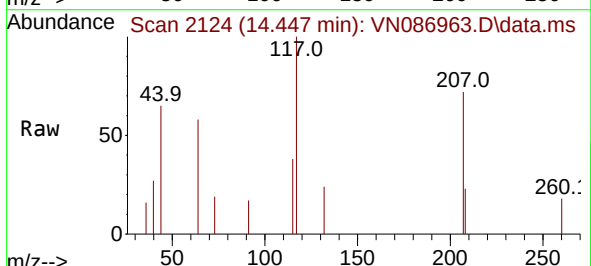
Acq: 11 Jun 2025 20:39

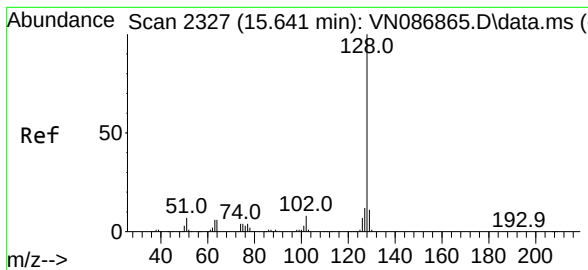
Tgt Ion:117 Resp: 1557

Ion Ratio Lower Upper

117 100

201 0.0 33.2 99.6#





#95

Naphthalene

Concen: 0.691 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN086963.D

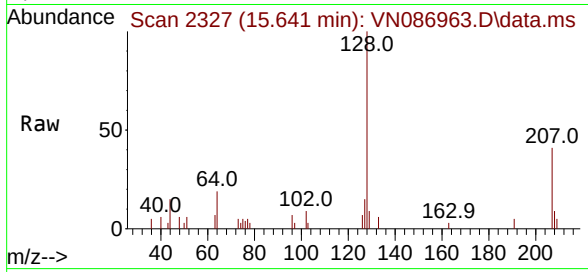
Acq: 11 Jun 2025 20:39

Instrument :

MSVOA_N

ClientSampleId :

RW9-MW01D3-20250606



Tgt Ion:128 Resp: 10758

Ion Ratio Lower Upper

128 100

127 12.0 10.2 15.2

129 10.7 8.8 13.2

