

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
 Data File : VN086986.D
 Acq On : 12 Jun 2025 18:33
 Operator : JC\MD
 Sample : Q2268-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4-20250605

Quant Time: Jun 13 01:32:19 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)

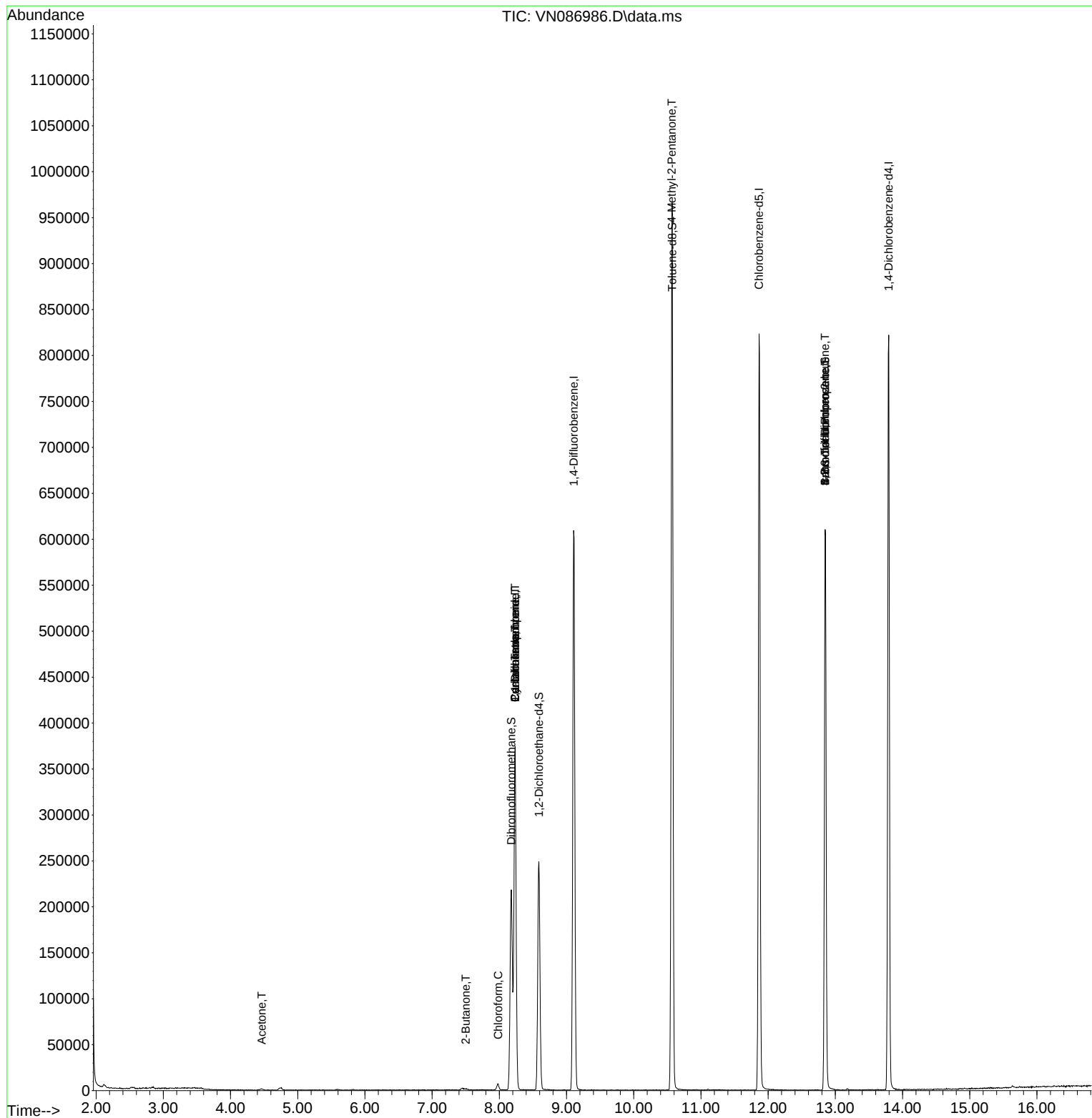
Internal Standards						
1) Pentafluorobenzene	8.236	168	290913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	573001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	515947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	245935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	205650	52.798	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.600%			
35) Dibromofluoromethane	8.177	113	170765	50.288	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.580%			
50) Toluene-d8	10.571	98	700800	52.132	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.260%			
62) 4-Bromofluorobenzene	12.847	95	251186	50.293	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.580%			
Target Compounds						
					Qvalue	
16) Acetone	4.465	43	3019	1.462	ug/l #	78
25) 2-Butanone	7.500	43	2569	0.765	ug/l	93
30) Chloroform	7.983	83	6861	1.055	ug/l	85
31) Cyclohexane	8.236	56	5440	0.861	ug/l #	1
36) 1,1-Dichloropropene	8.236	75	22662	4.479	ug/l #	47
38) Carbon Tetrachloride	8.236	117	29051	5.848	ug/l #	18
51) 4-Methyl-2-Pentanone	10.565	43	2444	0.393	ug/l #	1
71) Bromoform	12.847	173	632	0.233	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	117542	20.107	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	117542	46.284	ug/l #	16

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

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Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

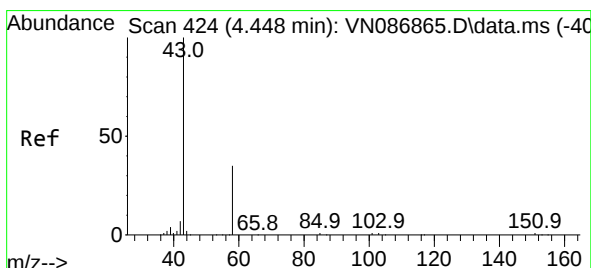
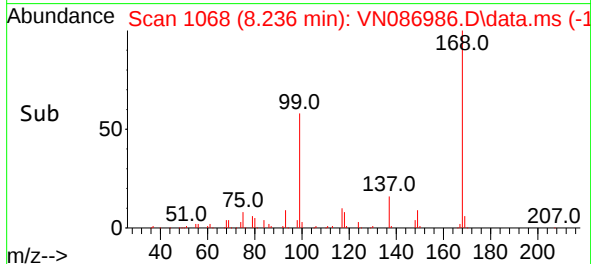
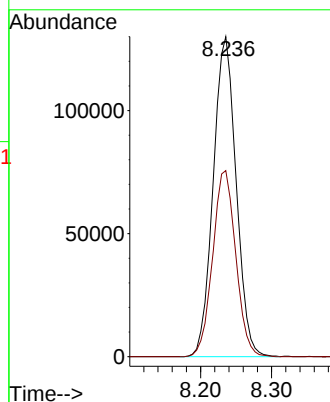
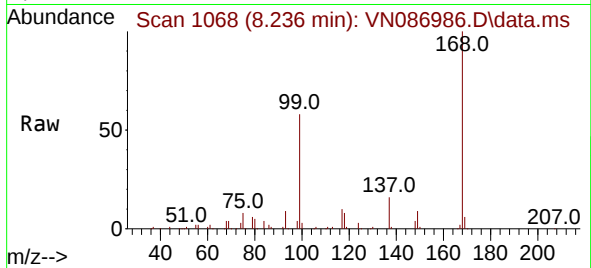




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN086986.D
Acq: 12 Jun 2025 18:33

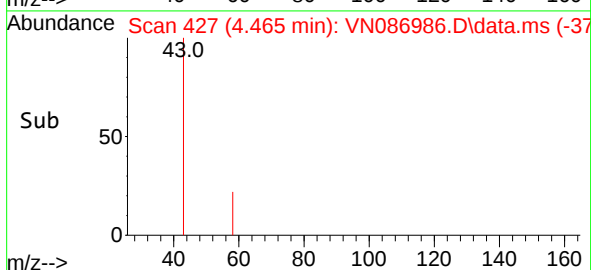
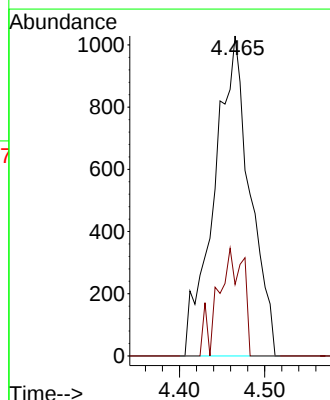
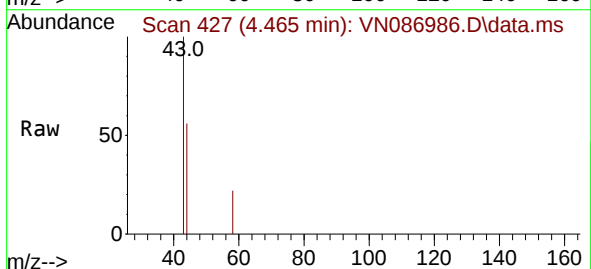
Instrument :
MSVOA_N
ClientSampleId :
MW-4-20250605

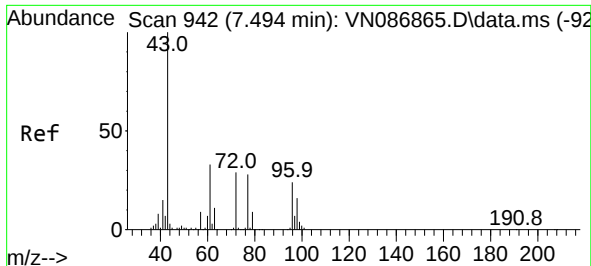
Tgt Ion:168 Resp: 290913
Ion Ratio Lower Upper
168 100
99 58.1 49.1 73.7



#16
Acetone
Concen: 1.462 ug/l
RT: 4.465 min Scan# 427
Delta R.T. 0.018 min
Lab File: VN086986.D
Acq: 12 Jun 2025 18:33

Tgt Ion: 43 Resp: 3019
Ion Ratio Lower Upper
43 100
58 22.4 28.0 42.0#

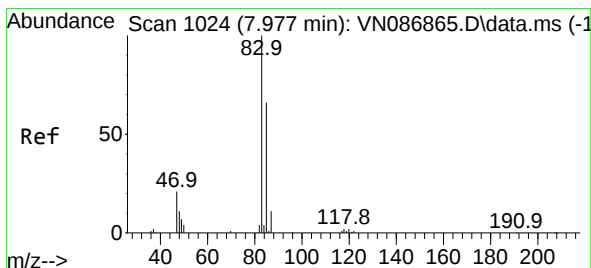
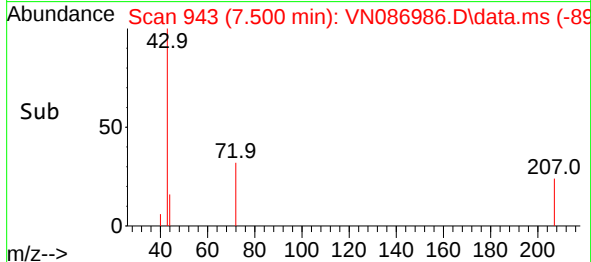
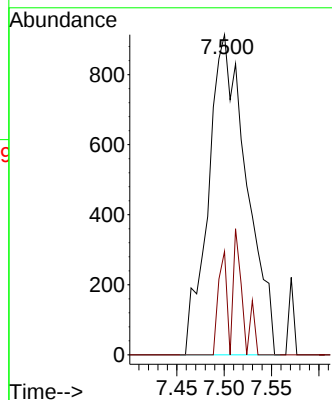
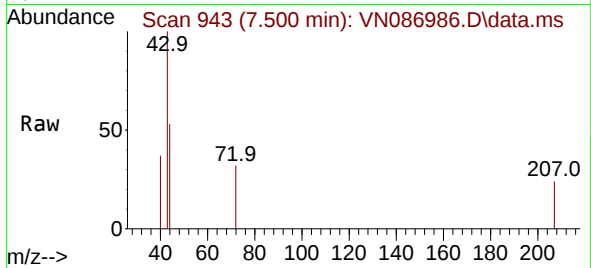




#25
2-Butanone
Concen: 0.765 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN086986.D
Acq: 12 Jun 2025 18:33

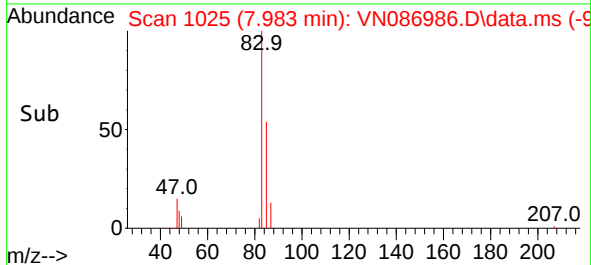
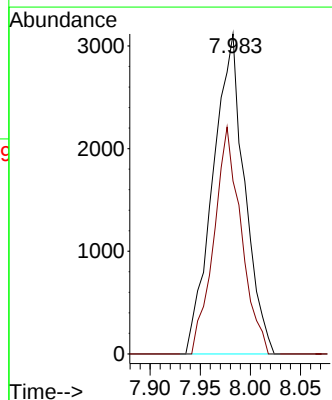
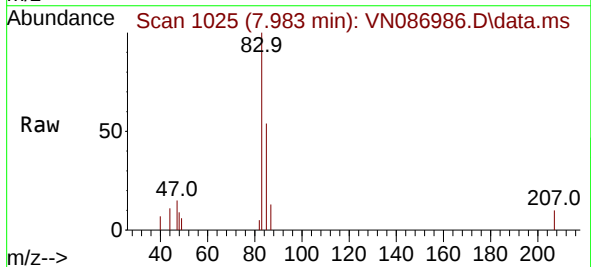
Instrument :
MSVOA_N
ClientSampleId :
MW-4-20250605

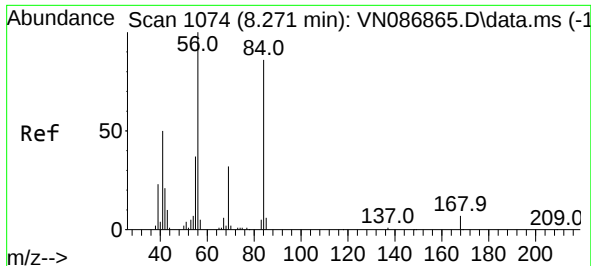
Tgt Ion: 43 Resp: 2569
Ion Ratio Lower Upper
43 100
72 32.3 23.0 34.6



#30
Chloroform
Concen: 1.055 ug/l
RT: 7.983 min Scan# 1025
Delta R.T. 0.006 min
Lab File: VN086986.D
Acq: 12 Jun 2025 18:33

Tgt Ion: 83 Resp: 6861
Ion Ratio Lower Upper
83 100
85 54.1 52.9 79.3

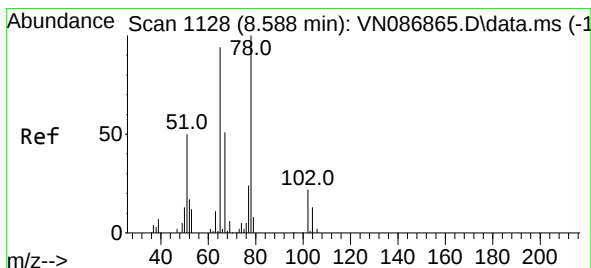
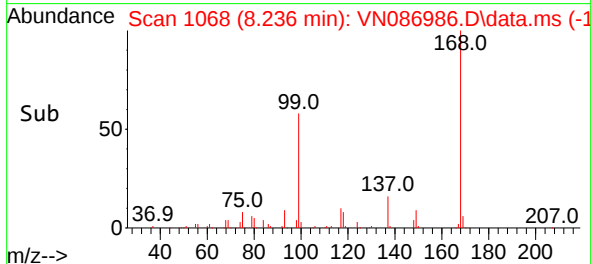
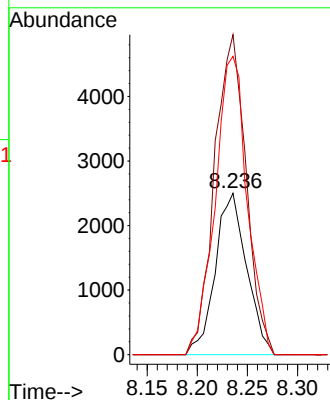
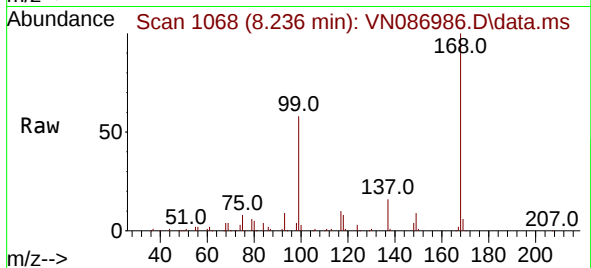




#31
Cyclohexane
Concen: 0.861 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.035 min
Lab File: VN086986.D
Acq: 12 Jun 2025 18:33

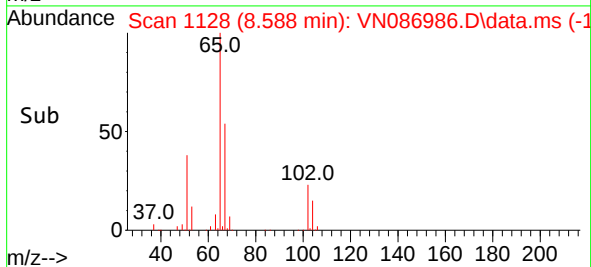
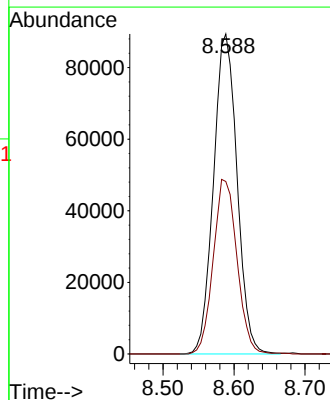
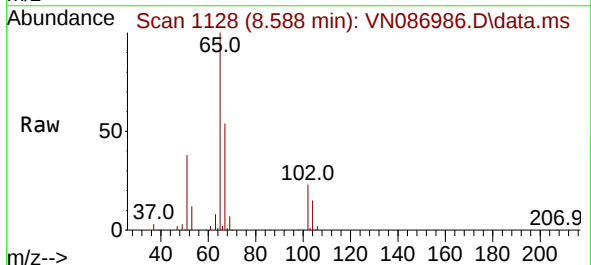
Instrument :
MSVOA_N
ClientSampleId :
MW-4-20250605

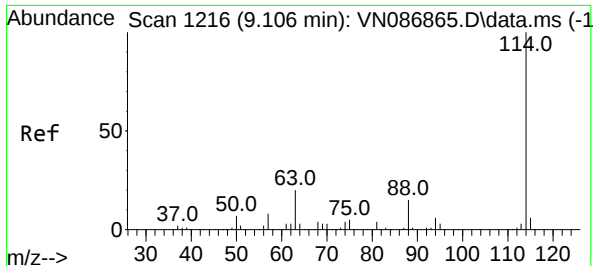
Tgt Ion: 56 Resp: 5440
Ion Ratio Lower Upper
56 100
69 198.2 25.4 38.0#
84 184.8 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 52.798 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086986.D
Acq: 12 Jun 2025 18:33

Tgt Ion: 65 Resp: 205650
Ion Ratio Lower Upper
65 100
67 54.9 0.0 105.6

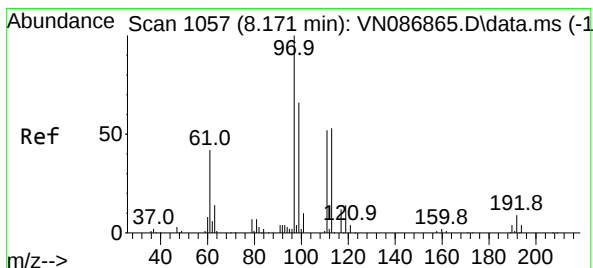
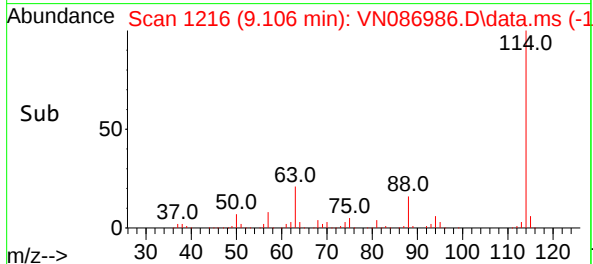
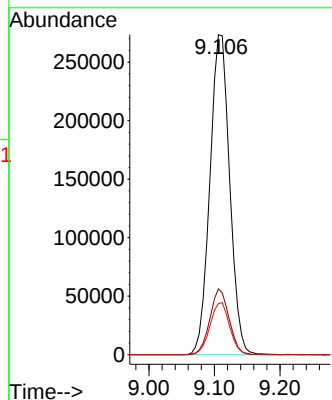
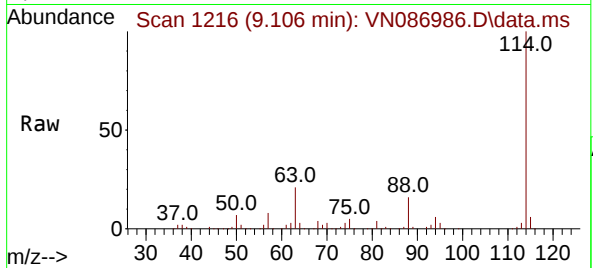




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086986.D
Acq: 12 Jun 2025 18:33

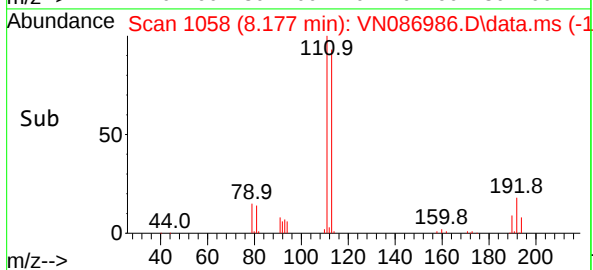
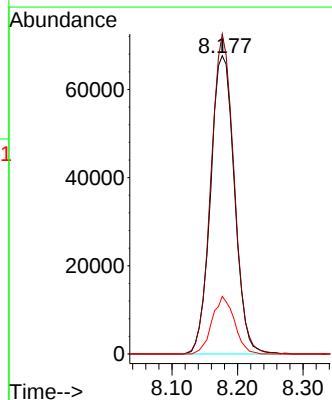
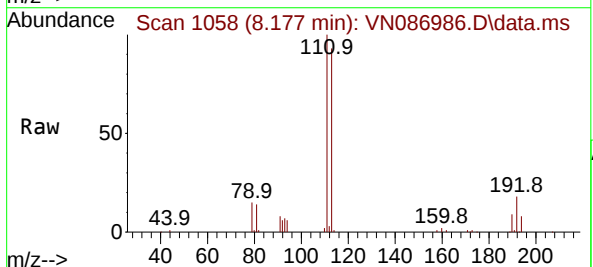
Instrument :
MSVOA_N
ClientSampleId :
MW-4-20250605

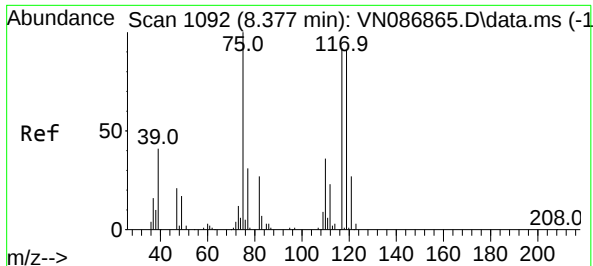
Tgt Ion:114 Resp: 573001
Ion Ratio Lower Upper
114 100
63 20.5 0.0 39.6
88 16.0 0.0 30.2



#35
Dibromofluoromethane
Concen: 50.288 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086986.D
Acq: 12 Jun 2025 18:33

Tgt Ion:113 Resp: 170765
Ion Ratio Lower Upper
113 100
111 103.6 84.2 126.2
192 18.1 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.479 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN086986.D

Acq: 12 Jun 2025 18:33

Instrument :

MSVOA_N

ClientSampleId :

MW-4-20250605

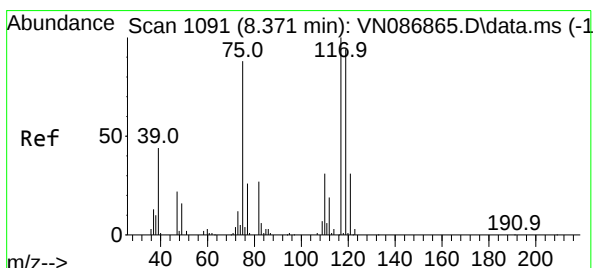
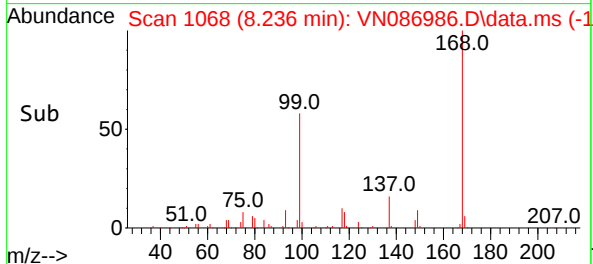
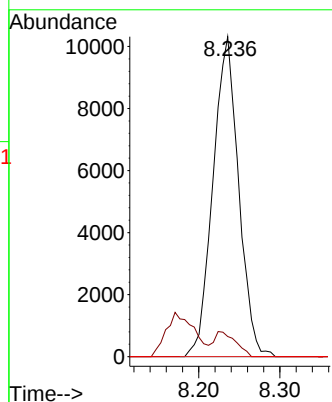
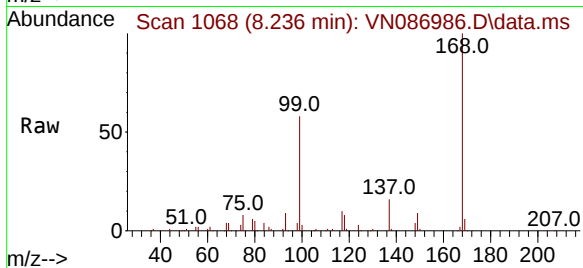
Tgt Ion: 75 Resp: 22662

Ion Ratio Lower Upper

75 100

110 6.5 17.6 52.9#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.848 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN086986.D

Acq: 12 Jun 2025 18:33

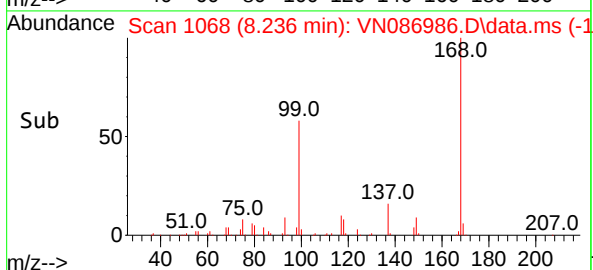
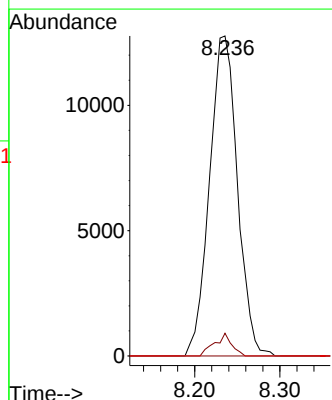
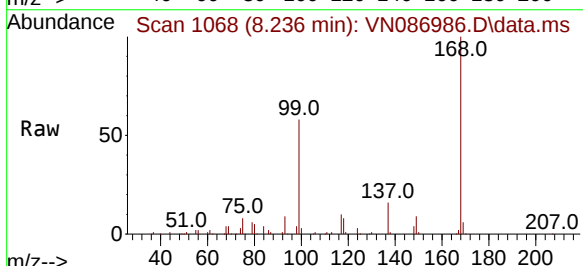
Tgt Ion: 117 Resp: 29051

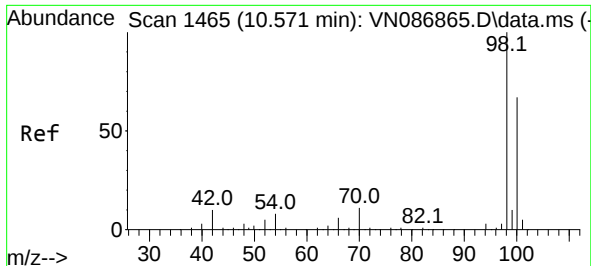
Ion Ratio Lower Upper

117 100

119 7.1 75.0 112.6#

121 0.0 24.9 37.3#

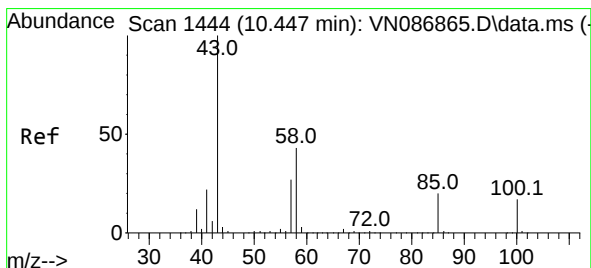
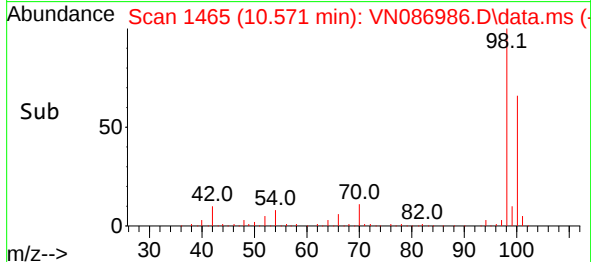
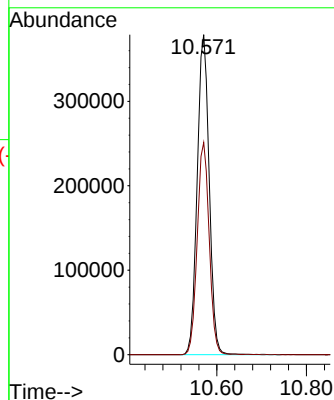
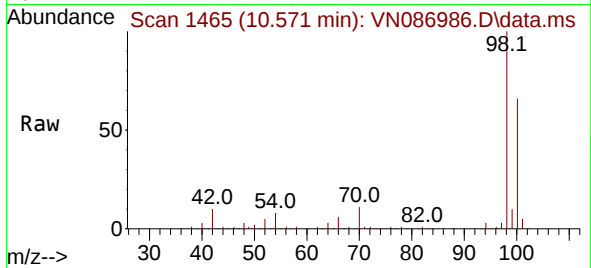




#50
Toluene-d8
Concen: 52.132 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086986.D
Acq: 12 Jun 2025 18:33

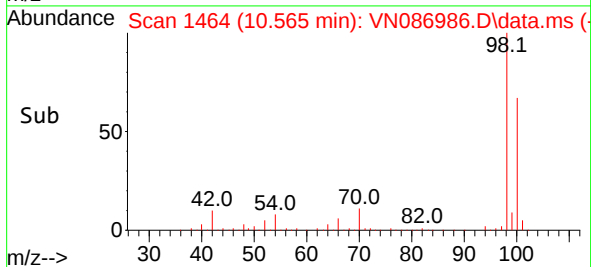
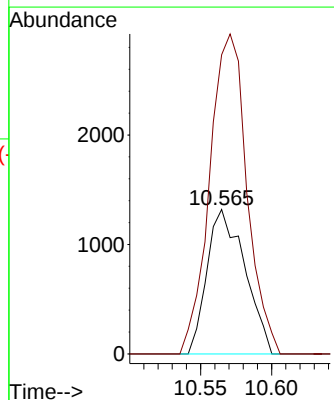
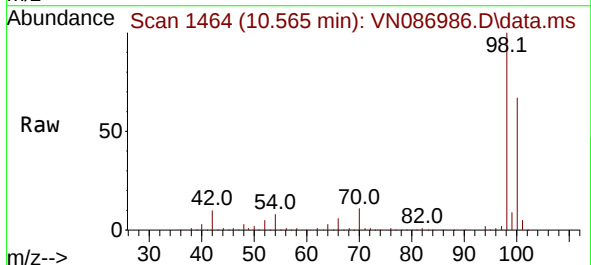
Instrument :
MSVOA_N
ClientSampleId :
MW-4-20250605

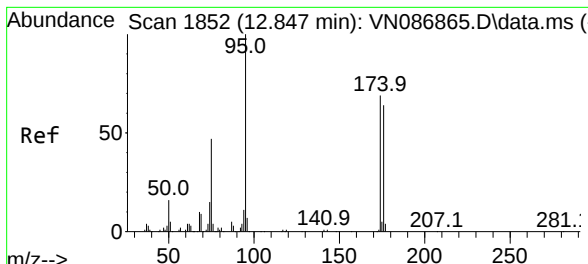
Tgt Ion: 98 Resp: 700800
Ion Ratio Lower Upper
98 100
100 66.2 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.393 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN086986.D
Acq: 12 Jun 2025 18:33

Tgt Ion: 43 Resp: 2444
Ion Ratio Lower Upper
43 100
58 218.6 34.2 51.4#



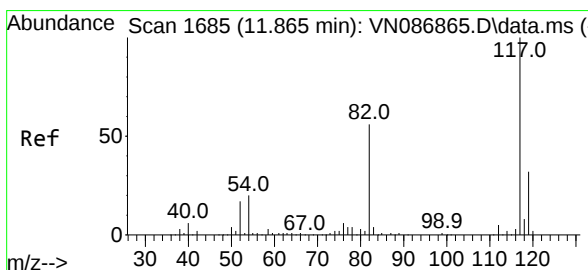
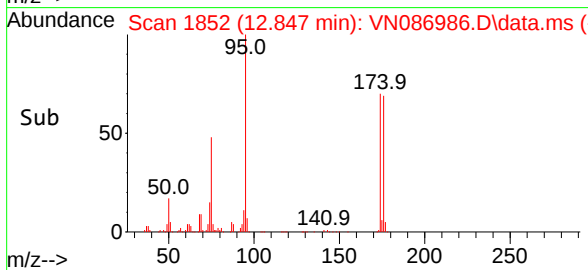
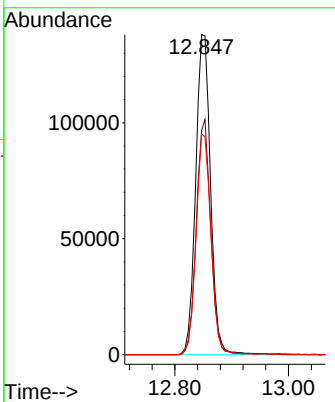
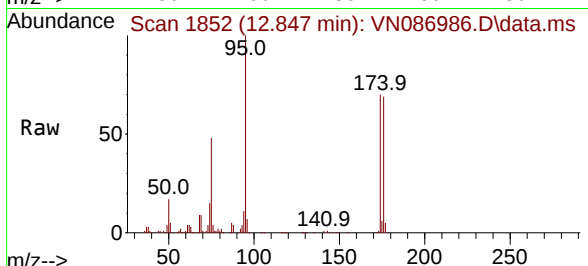


#62
 4-Bromofluorobenzene
 Concen: 50.293 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.000 min
 Lab File: VN086986.D
 Acq: 12 Jun 2025 18:33

Instrument : MSVOA_N
 ClientSampleId : MW-4-20250605

Tgt Ion: 95 Resp: 251186

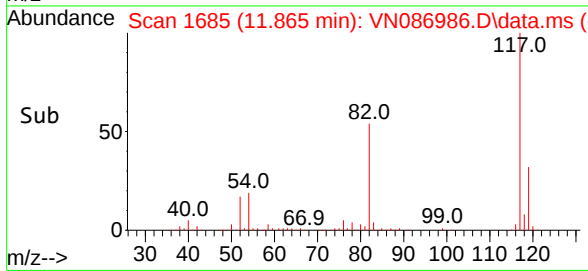
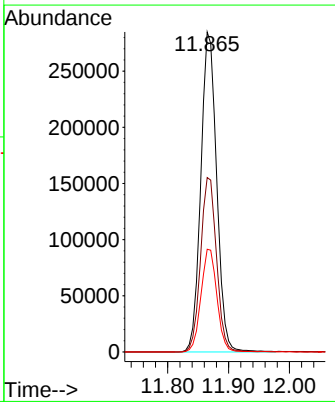
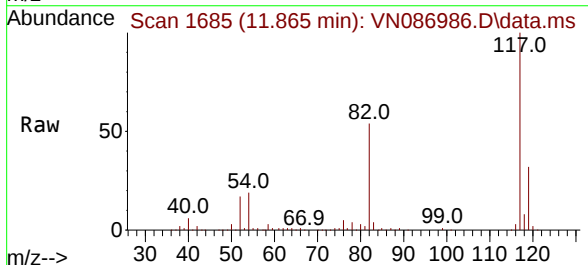
Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	141.8
176	68.3	0.0	132.6

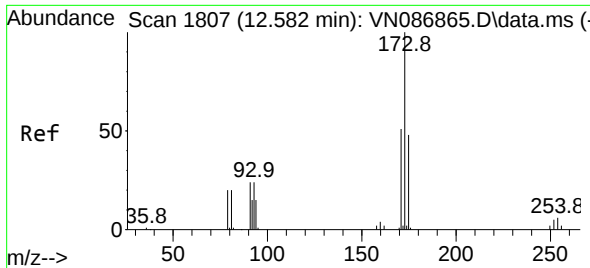


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. -0.000 min
 Lab File: VN086986.D
 Acq: 12 Jun 2025 18:33

Tgt Ion: 117 Resp: 515947

Ion	Ratio	Lower	Upper
117	100		
82	54.5	44.6	67.0
119	32.1	25.5	38.3

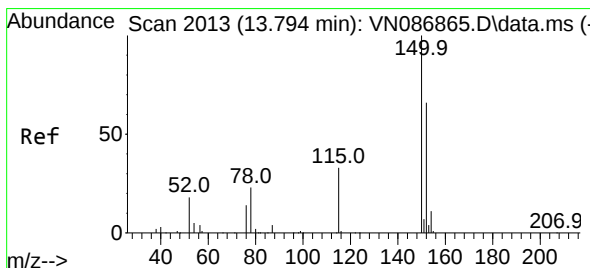
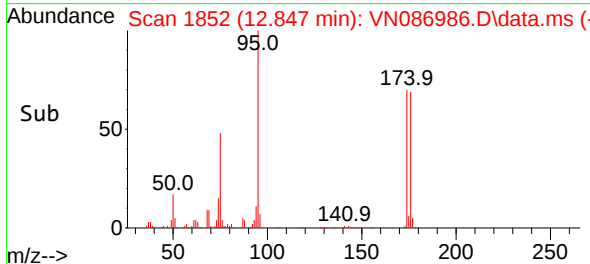
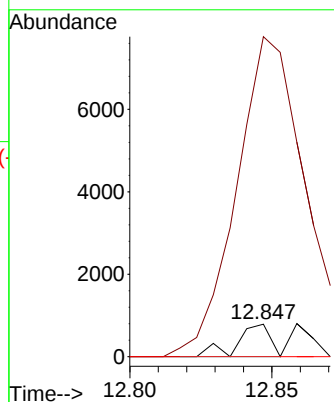
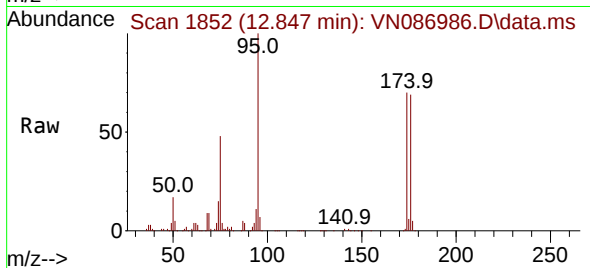




#71
Bromoform
Concen: 0.233 ug/l
RT: 12.847 min Scan# 1807
Delta R.T. 0.265 min
Lab File: VN086986.D
Acq: 12 Jun 2025 18:33

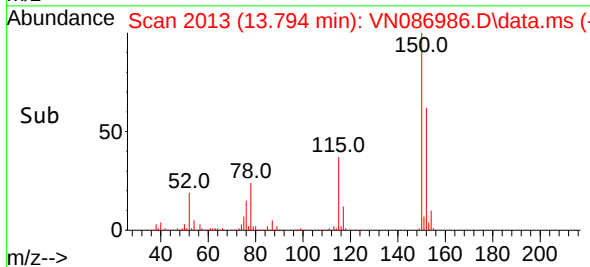
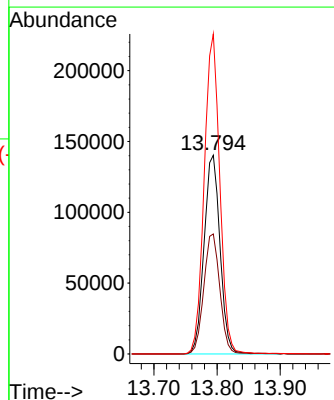
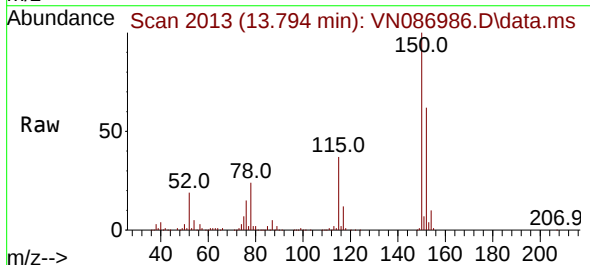
Instrument :
MSVOA_N
ClientSampleId :
MW-4-20250605

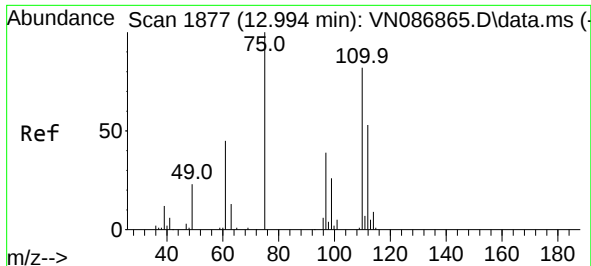
Tgt Ion:173 Resp: 632
Ion Ratio Lower Upper
173 100
175 1747.0 24.1 72.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086986.D
Acq: 12 Jun 2025 18:33

Tgt Ion:152 Resp: 245935
Ion Ratio Lower Upper
152 100
115 60.9 30.1 90.5
150 157.4 0.0 345.0

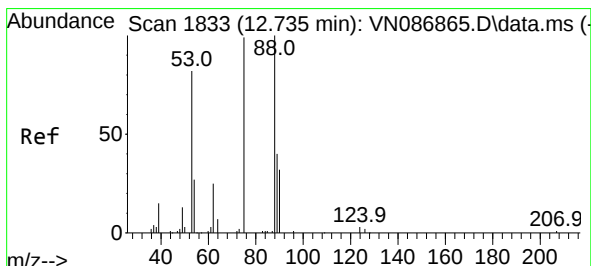
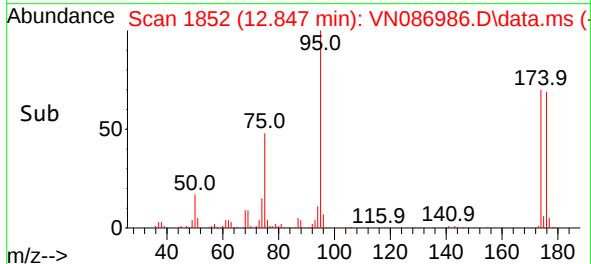
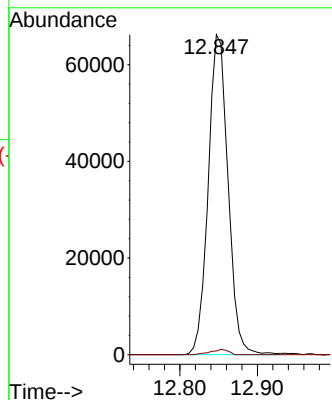
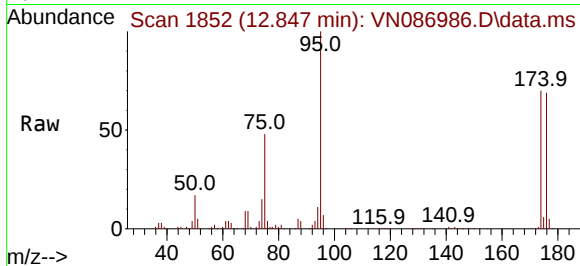




#76
1,2,3-Trichloropropane
Concen: 20.107 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086986.D
Acq: 12 Jun 2025 18:33

Instrument :
MSVOA_N
ClientSampleId :
MW-4-20250605

Tgt Ion: 75 Resp: 117542
Ion Ratio Lower Upper
75 100
77 1.5 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.284 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086986.D
Acq: 12 Jun 2025 18:33

Tgt Ion: 75 Resp: 117542
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#

