

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052025\
 Data File : VN086712.D
 Acq On : 20 May 2025 12:51
 Operator : JC\MD
 Sample : Q2071-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 L1-WC-7

Quant Time: May 21 01:44:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

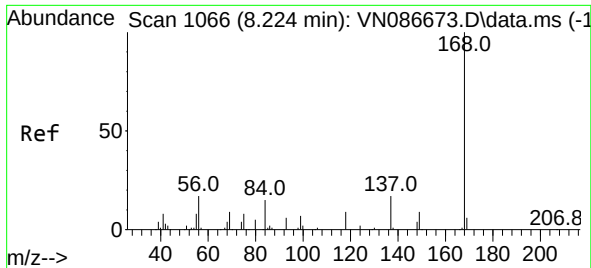
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	174393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	342643	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	332546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127922	53.084	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.160%			
35) Dibromofluoromethane	8.165	113	106141	52.015	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.040%			
50) Toluene-d8	10.565	98	449108	53.109	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.220%			
62) 4-Bromofluorobenzene	12.847	95	155653	52.130	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.260%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	990	0.348	ug/l	90
5) Bromomethane	2.965	94	327	0.222	ug/l	96
16) Acetone	4.430	43	27171	30.142	ug/l	97
18) Methyl Acetate	5.024	43	2983	1.182	ug/l #	66
20) Methylene Chloride	5.265	84	9998	4.203	ug/l	95
25) 2-Butanone	7.483	43	1940	1.393	ug/l	97
29) Tetrahydrofuran	7.836	42	465	0.511	ug/l #	30
31) Cyclohexane	8.224	56	3635	1.005	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14468	4.807	ug/l #	47
38) Carbon Tetrachloride	8.218	117	17491	5.898	ug/l #	16
43) Isopropyl Acetate	8.688	43	26366	4.326	ug/l #	81
45) 1,2-Dichloropropane	9.730	63	868	0.372	ug/l #	42
48) Methyl methacrylate	9.735	41	58468	24.755	ug/l #	36
51) 4-Methyl-2-Pentanone	10.471	43	3448	1.122	ug/l #	33
54) cis-1,3-Dichloropropene	10.359	75	29134	7.773	ug/l #	58
57) 1,3-Dichloropropane	11.194	76	2362	0.602	ug/l #	42
59) 2-Hexanone	11.200	43	44516	19.832	ug/l #	42
71) Bromoform	12.847	173	794	0.474	ug/l #	1
74) N-amyl acetate	12.447	43	2069	0.446	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	76189	23.446	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76189	59.170	ug/l #	15
95) Naphthalene	15.641	128	1738	0.258	ug/l #	70

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

Quant Time: May 21 01:44:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

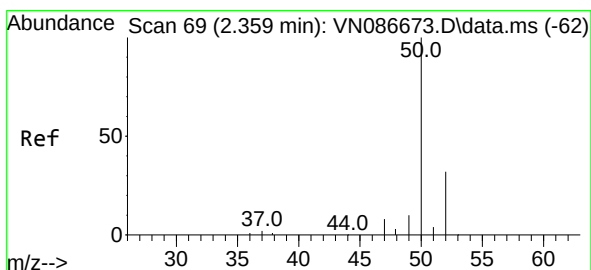
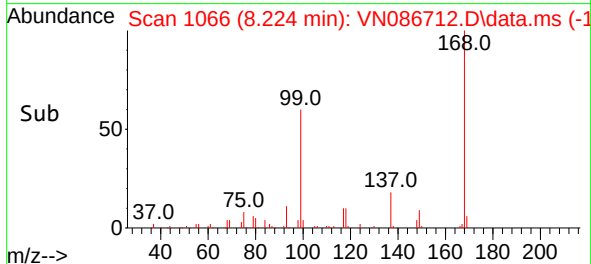
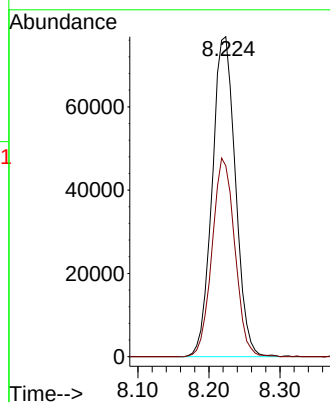
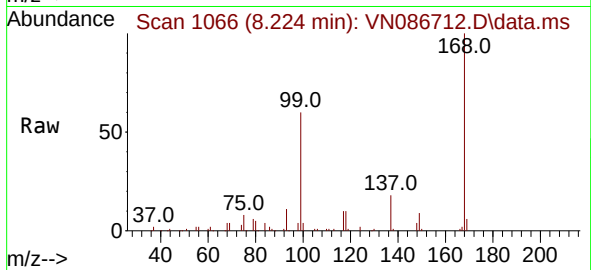




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086712.D
Acq: 20 May 2025 12:51

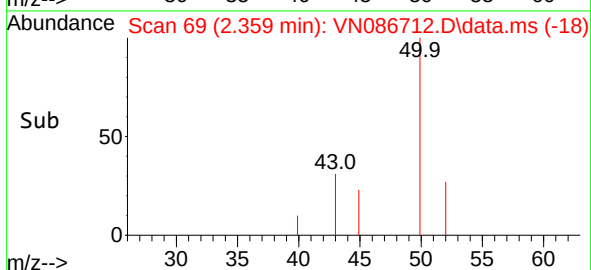
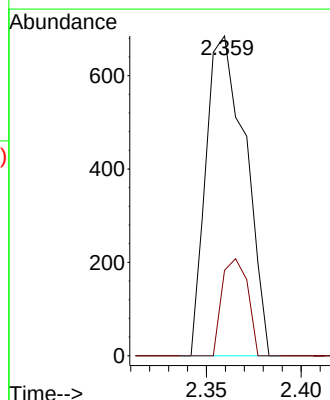
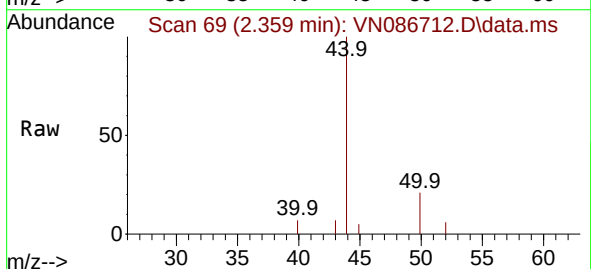
Instrument :
MSVOA_N
ClientSampleId :
L1-WC-7

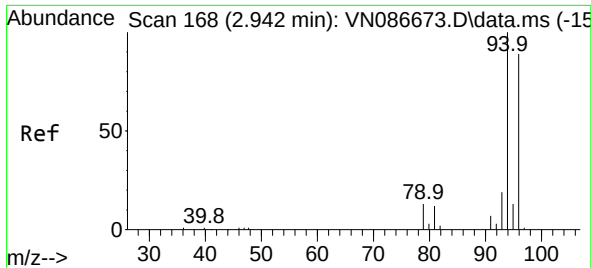
Tgt Ion:168 Resp: 174393
Ion Ratio Lower Upper
168 100
99 59.7 47.0 70.4



#3
Chloromethane
Concen: 0.348 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086712.D
Acq: 20 May 2025 12:51

Tgt Ion: 50 Resp: 990
Ion Ratio Lower Upper
50 100
52 26.7 25.9 38.9

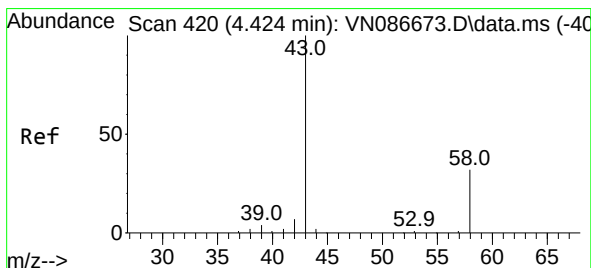
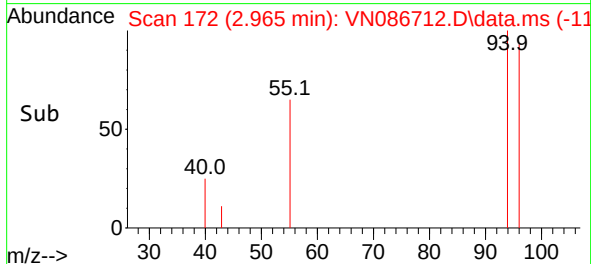
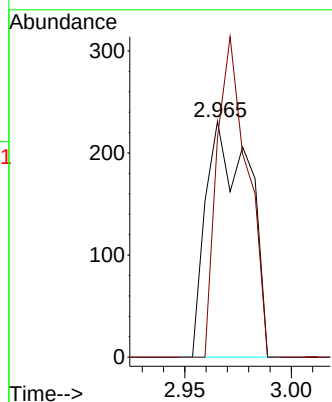
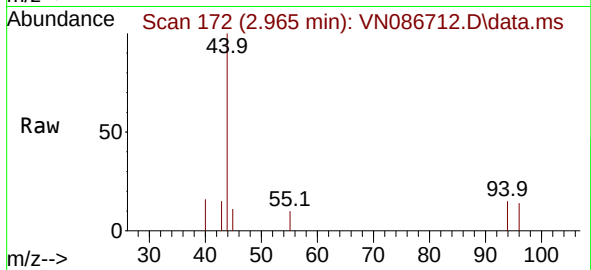




#5
Bromomethane
Concen: 0.222 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN086712.D
Acq: 20 May 2025 12:51

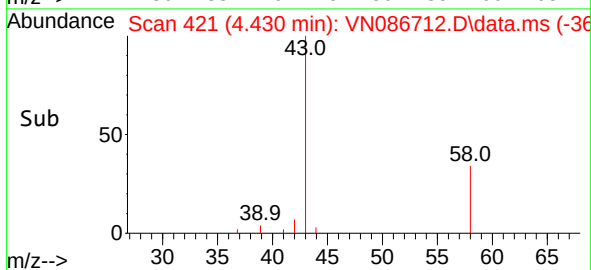
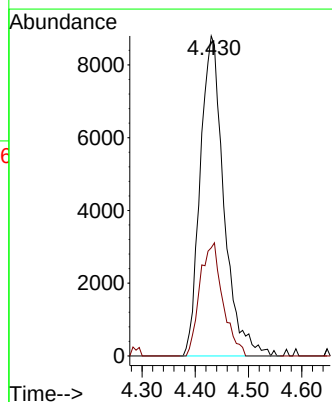
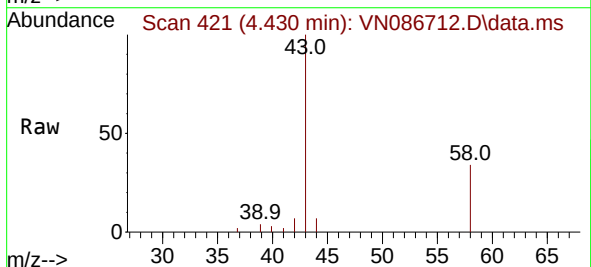
Instrument :
MSVOA_N
ClientSampleId :
L1-WC-7

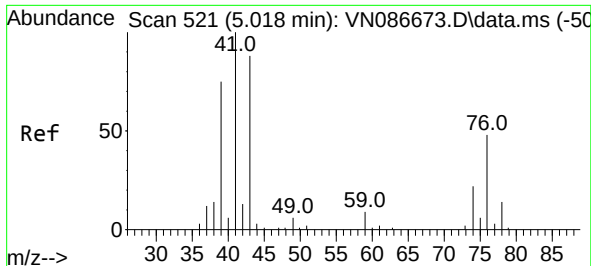
Tgt Ion: 94 Resp: 327
Ion Ratio Lower Upper
94 100
96 93.1 71.2 106.8



#16
Acetone
Concen: 30.142 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086712.D
Acq: 20 May 2025 12:51

Tgt Ion: 43 Resp: 27171
Ion Ratio Lower Upper
43 100
58 33.8 25.8 38.6

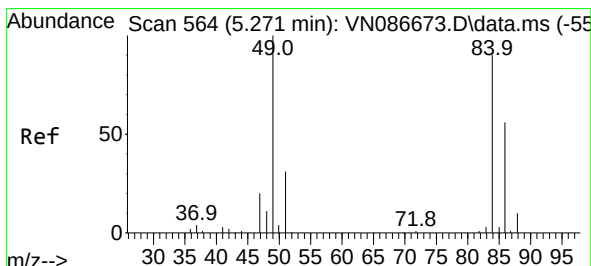
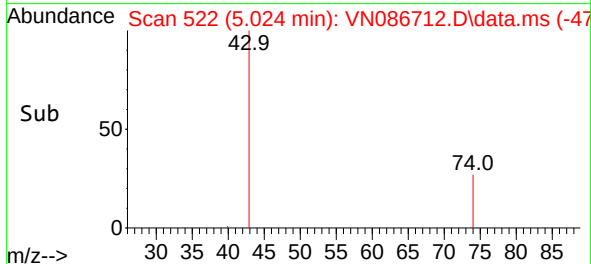
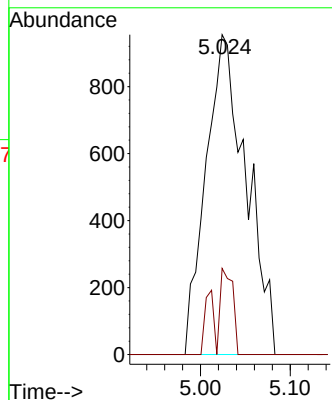
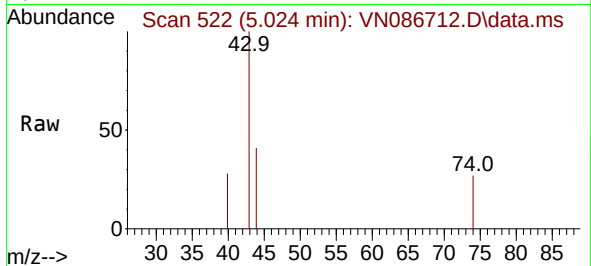




#18
Methyl Acetate
Concen: 1.182 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086712.D
Acq: 20 May 2025 12:51

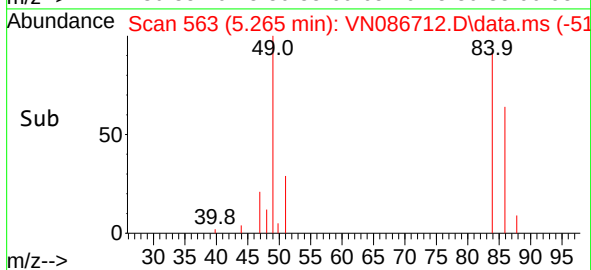
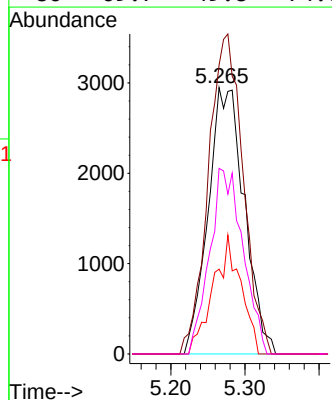
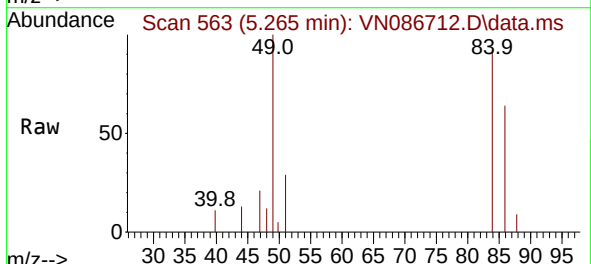
Instrument :
MSVOA_N
ClientSampleId :
L1-WC-7

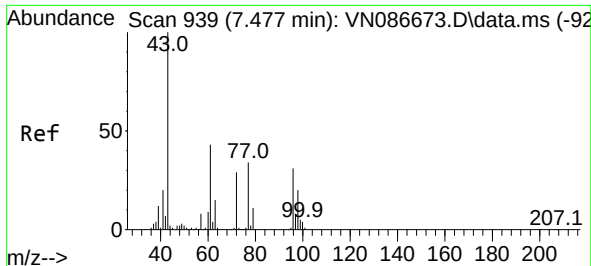
Tgt Ion: 43 Resp: 2983
Ion Ratio Lower Upper
43 100
74 8.3 20.5 30.7#



#20
Methylene Chloride
Concen: 4.203 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN086712.D
Acq: 20 May 2025 12:51

Tgt Ion: 84 Resp: 9998
Ion Ratio Lower Upper
84 100
49 108.4 88.8 133.2
51 31.8 27.8 41.6
86 69.7 49.8 74.6

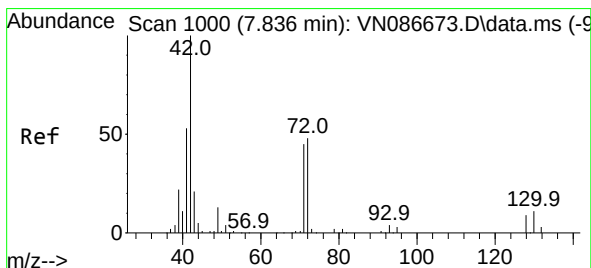
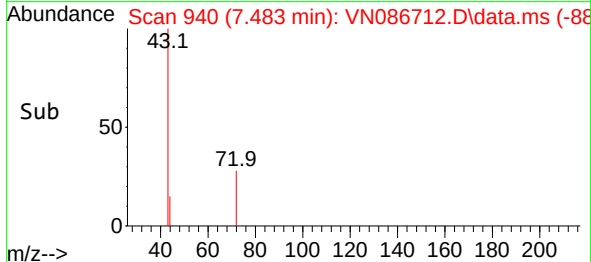
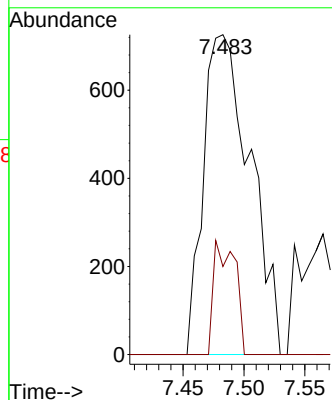
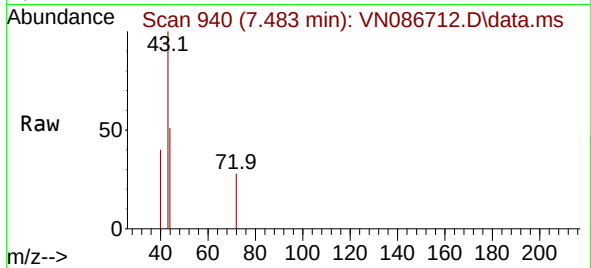




#25
2-Butanone
Concen: 1.393 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086712.D
Acq: 20 May 2025 12:51

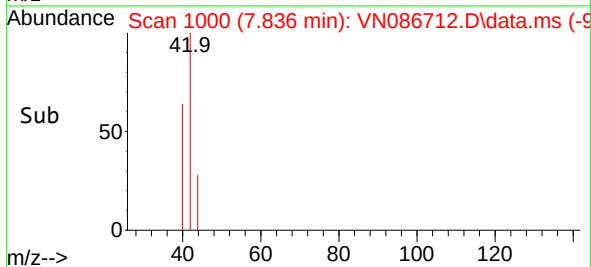
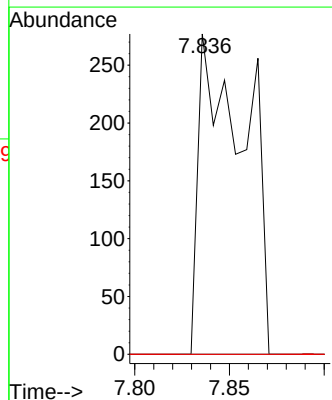
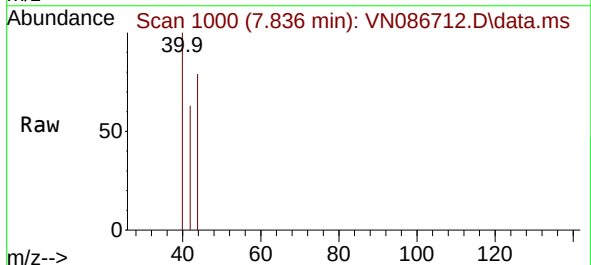
Instrument :
MSVOA_N
ClientSampleId :
L1-WC-7

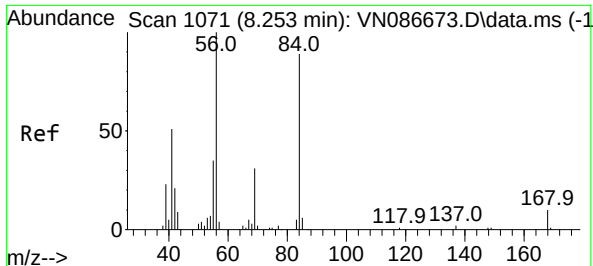
Tgt Ion: 43 Resp: 1940
Ion Ratio Lower Upper
43 100
72 27.5 23.1 34.7



#29
Tetrahydrofuran
Concen: 0.511 ug/l
RT: 7.836 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VN086712.D
Acq: 20 May 2025 12:51

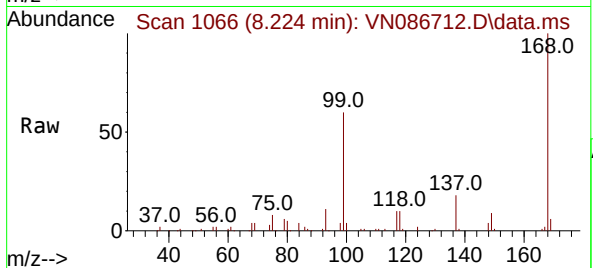
Tgt Ion: 42 Resp: 465
Ion Ratio Lower Upper
42 100
72 0.0 38.7 58.1#
71 0.0 36.2 54.4#



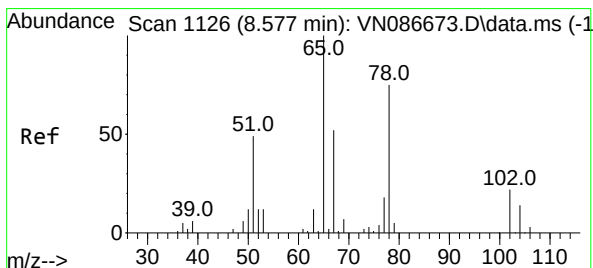
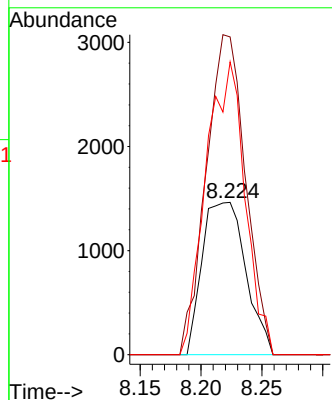
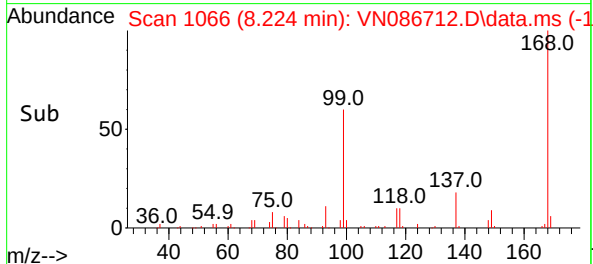


#31
Cyclohexane
Concen: 1.005 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086712.D
Acq: 20 May 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
L1-WC-7

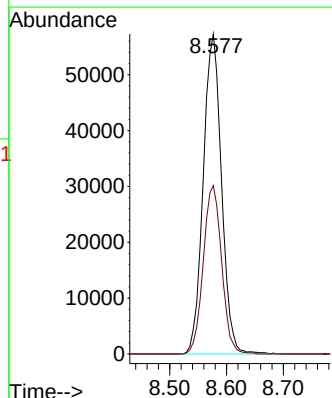
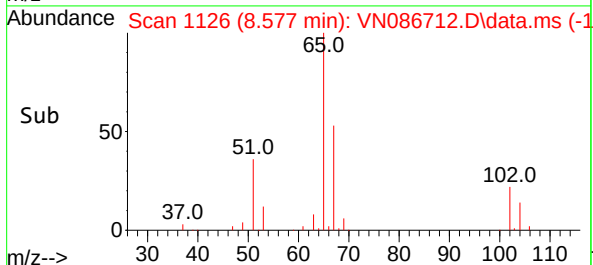
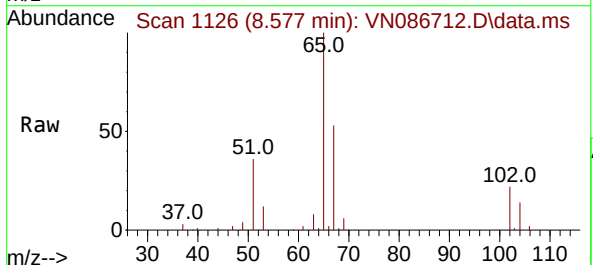


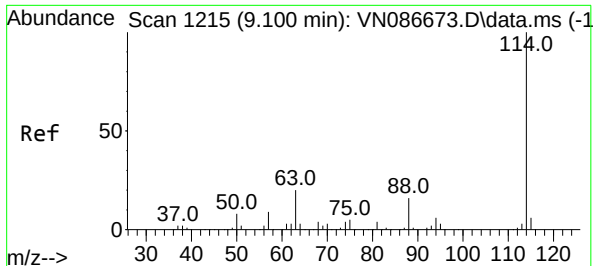
Tgt Ion: 56 Resp: 3635
Ion Ratio Lower Upper
56 100
69 208.7 25.0 37.6#
84 192.3 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 53.084 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086712.D
Acq: 20 May 2025 12:51

Tgt Ion: 65 Resp: 127922
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN086712.D

Acq: 20 May 2025 12:51

Instrument :

MSVOA_N

ClientSampleId :

L1-WC-7

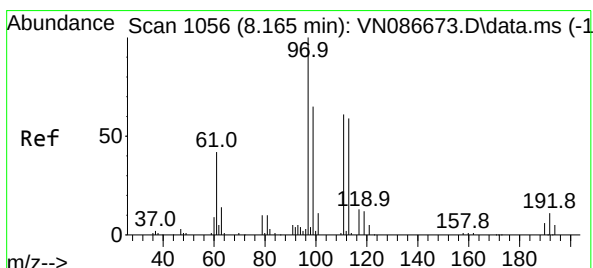
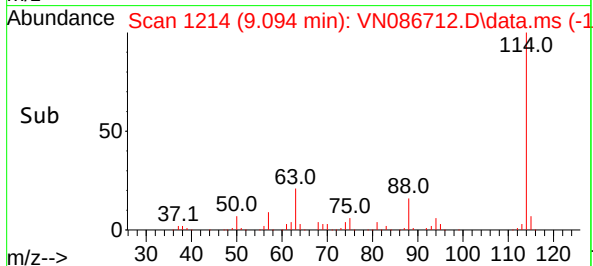
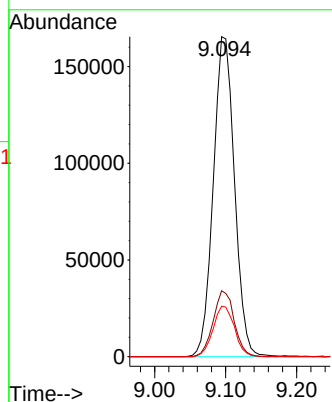
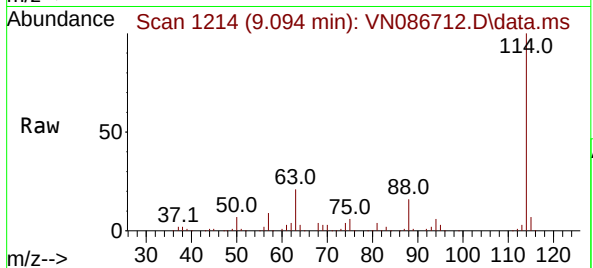
Tgt Ion:114 Resp: 342643

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.2

88 15.7 0.0 31.2



#35

Dibromofluoromethane

Concen: 52.015 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086712.D

Acq: 20 May 2025 12:51

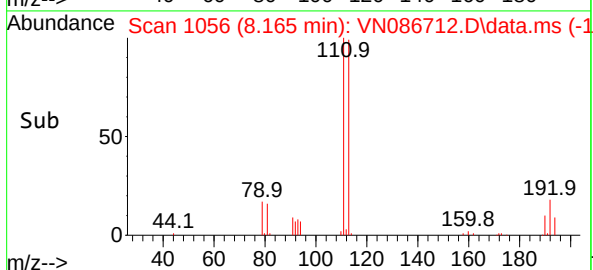
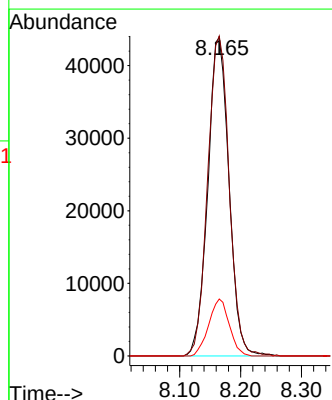
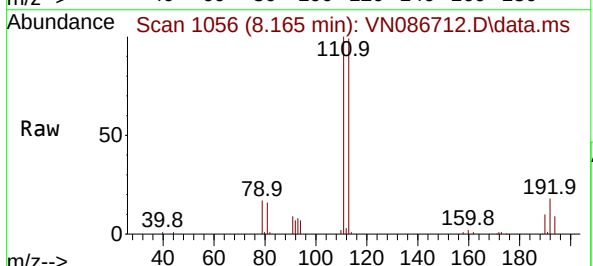
Tgt Ion:113 Resp: 106141

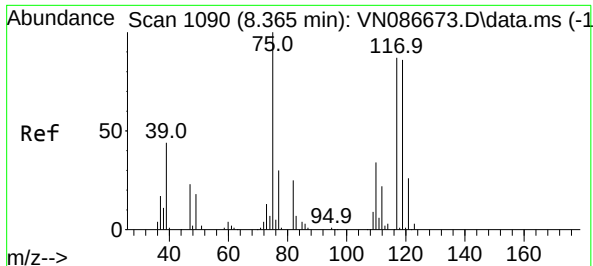
Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.2

192 17.3 13.8 20.8





#36

1,1-Dichloropropene

Concen: 4.807 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086712.D

Acq: 20 May 2025 12:51

Instrument :

MSVOA_N

ClientSampleId :

L1-WC-7

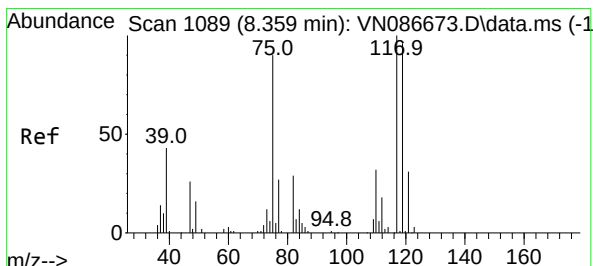
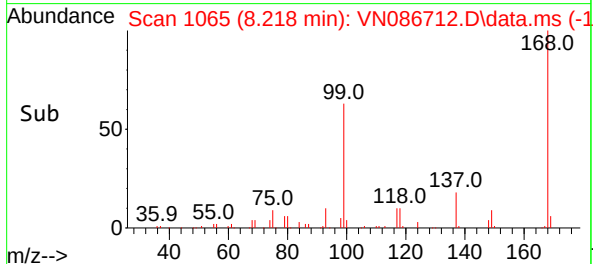
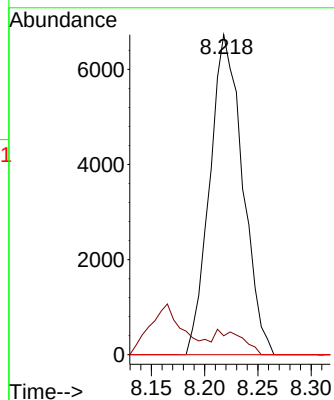
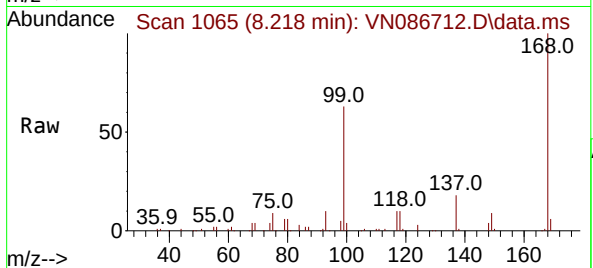
Tgt Ion: 75 Resp: 14468

Ion Ratio Lower Upper

75 100

110 6.2 17.5 52.5#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.898 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086712.D

Acq: 20 May 2025 12:51

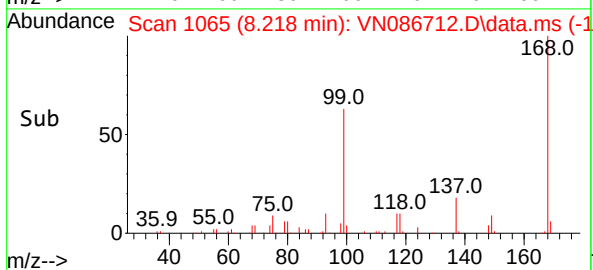
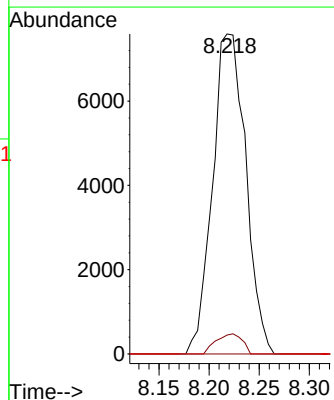
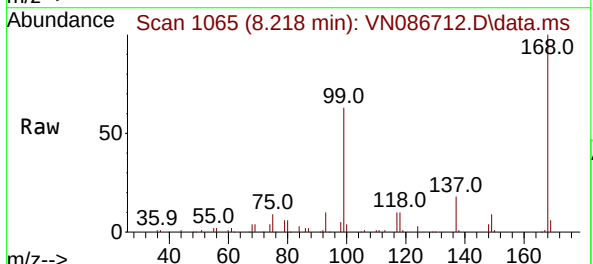
Tgt Ion: 117 Resp: 17491

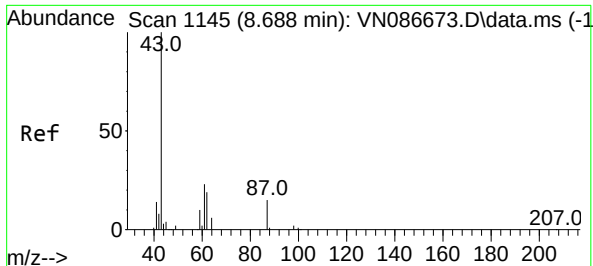
Ion Ratio Lower Upper

117 100

119 5.9 77.0 115.6#

121 0.0 25.0 37.6#





#43

Isopropyl Acetate

Concen: 4.326 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN086712.D

Acq: 20 May 2025 12:51

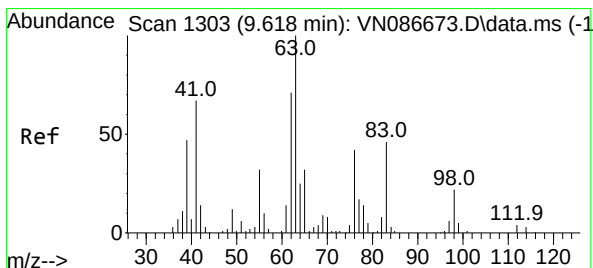
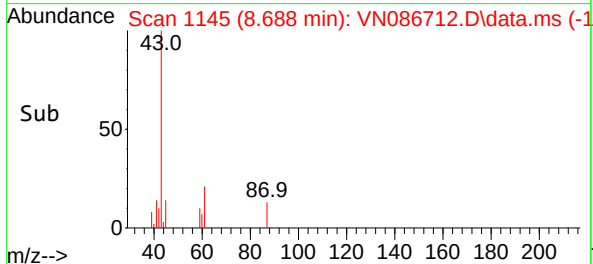
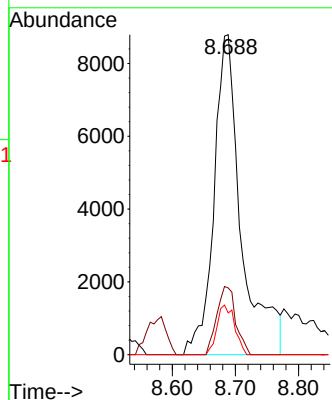
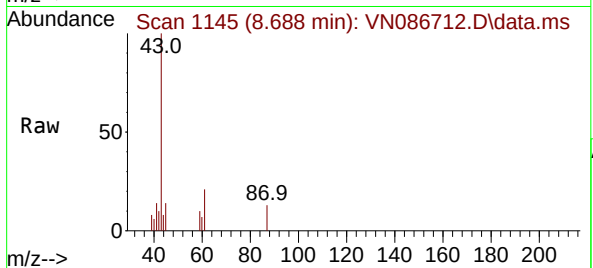
Instrument :

MSVOA_N

ClientSampleId :

L1-WC-7

Tgt Ion:	43	Resp:	26366
Ion	Ratio	Lower	Upper
43	100		
61	14.8	21.4	32.2#
87	10.0	11.1	16.7#



#45

1,2-Dichloropropane

Concen: 0.372 ug/l

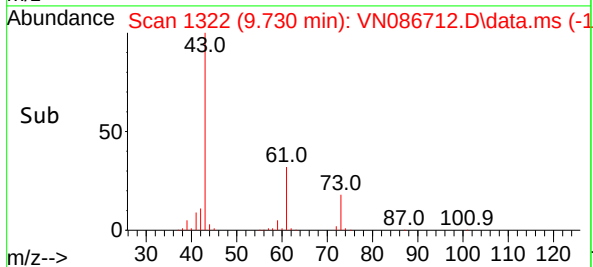
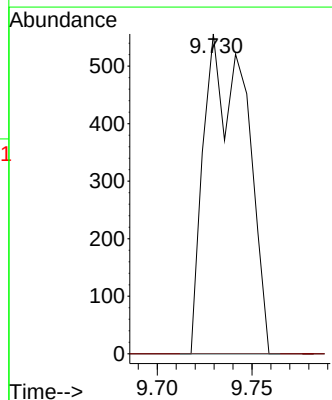
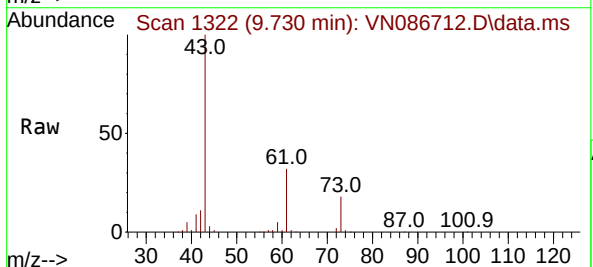
RT: 9.730 min Scan# 1322

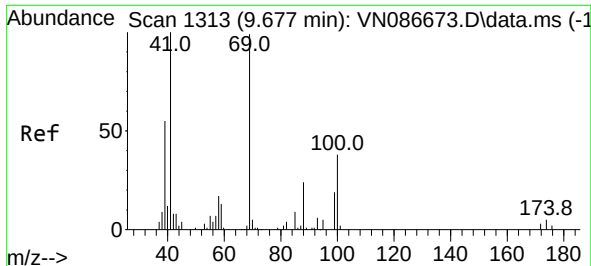
Delta R.T. 0.112 min

Lab File: VN086712.D

Acq: 20 May 2025 12:51

Tgt Ion:	63	Resp:	868
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.8	38.6#

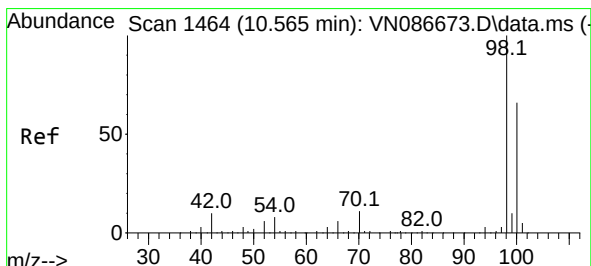
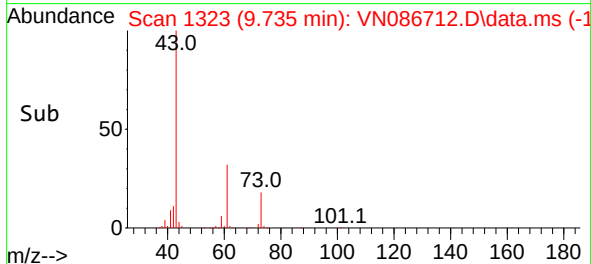
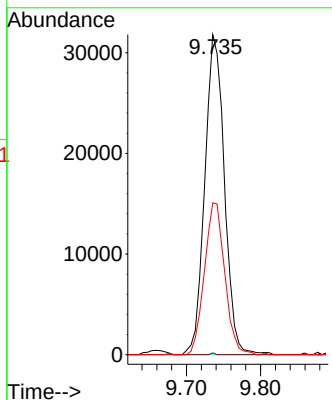
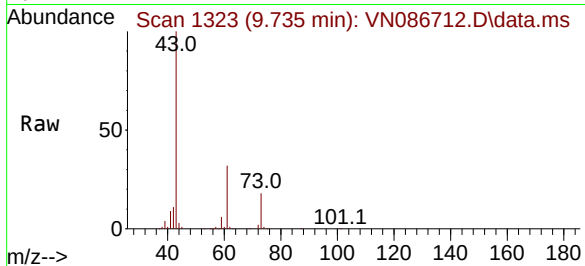




#48
Methyl methacrylate
Concen: 24.755 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN086712.D
Acq: 20 May 2025 12:51

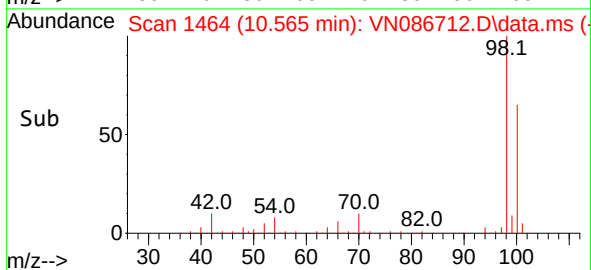
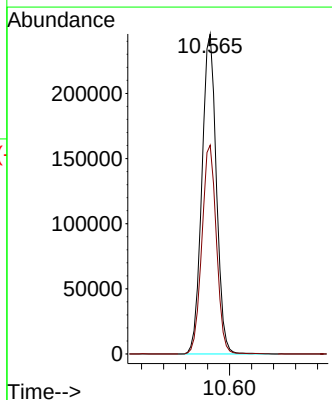
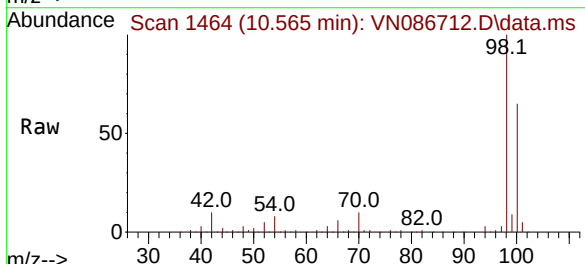
Instrument :
MSVOA_N
ClientSampleId :
L1-WC-7

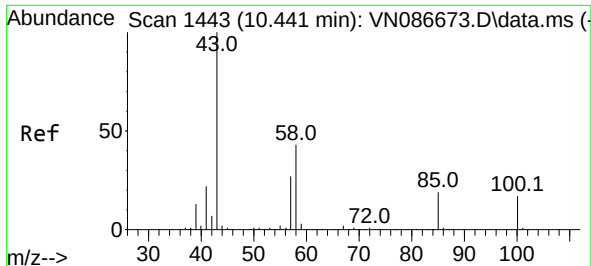
Tgt Ion: 41 Resp: 58468
Ion Ratio Lower Upper
41 100
69 0.1 74.1 111.1#
39 49.1 44.1 66.1



#50
Toluene-d8
Concen: 53.109 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086712.D
Acq: 20 May 2025 12:51

Tgt Ion: 98 Resp: 449108
Ion Ratio Lower Upper
98 100
100 65.4 52.9 79.3

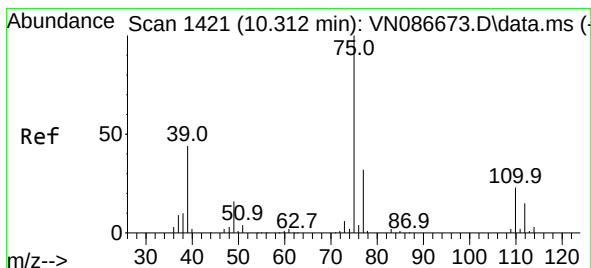
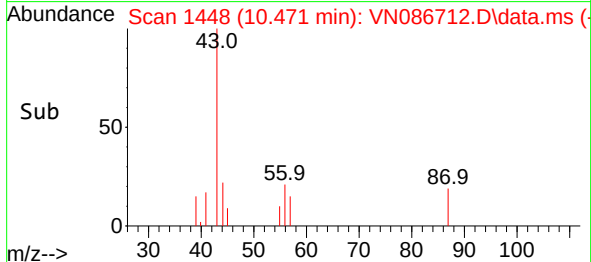
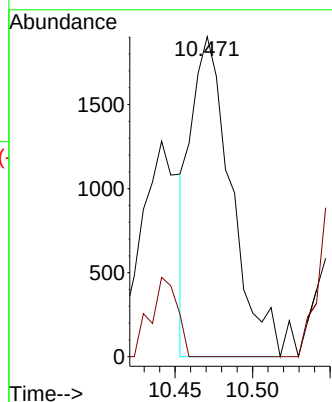
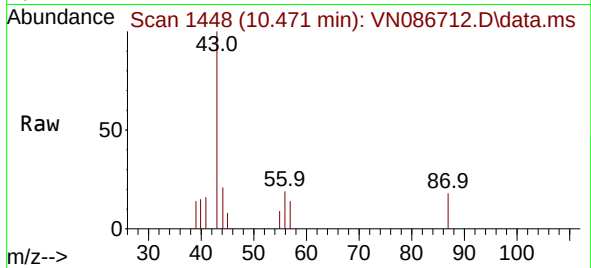




#51
4-Methyl-2-Pentanone
Concen: 1.122 ug/l
RT: 10.471 min Scan# 1448
Delta R.T. 0.029 min
Lab File: VN086712.D
Acq: 20 May 2025 12:51

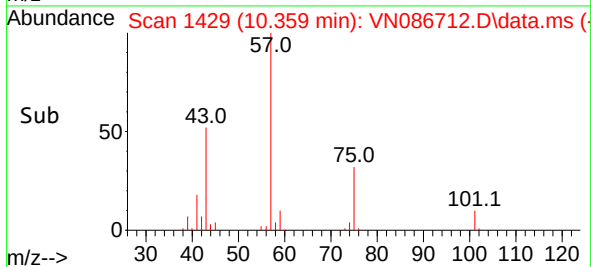
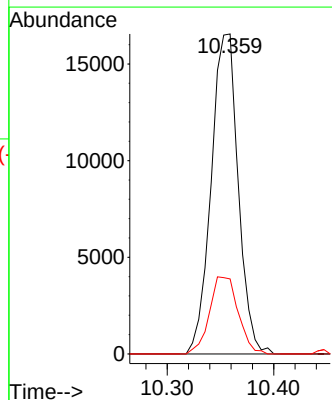
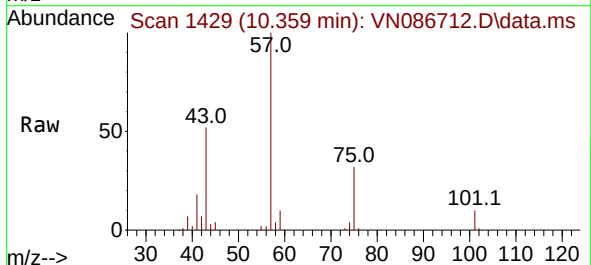
Instrument :
MSVOA_N
ClientSampleId :
L1-WC-7

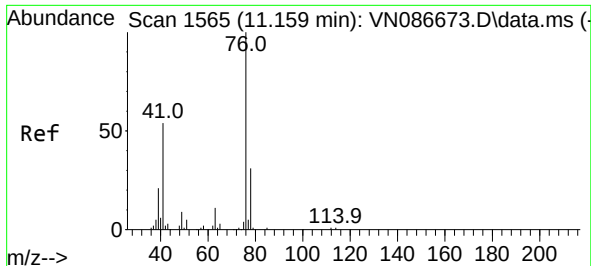
Tgt Ion: 43 Resp: 3448
Ion Ratio Lower Upper
43 100
58 0.0 33.9 50.9#



#54
cis-1,3-Dichloropropene
Concen: 7.773 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN086712.D
Acq: 20 May 2025 12:51

Tgt Ion: 75 Resp: 29134
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 23.4 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 0.602 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.035 min

Lab File: VN086712.D

Acq: 20 May 2025 12:51

Instrument :

MSVOA_N

ClientSampleId :

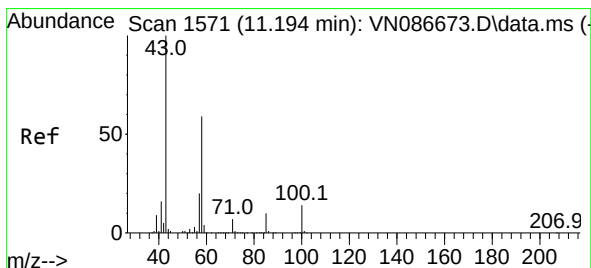
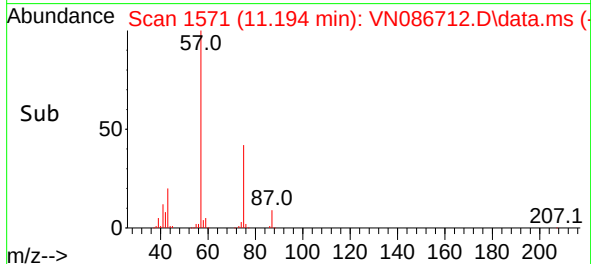
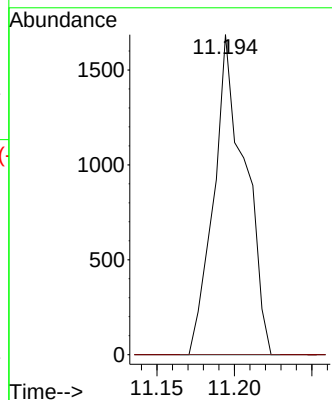
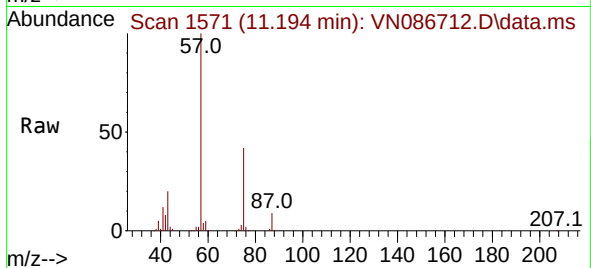
L1-WC-7

Tgt Ion: 76 Resp: 2362

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 19.832 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086712.D

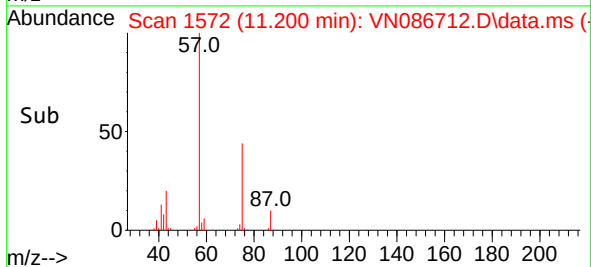
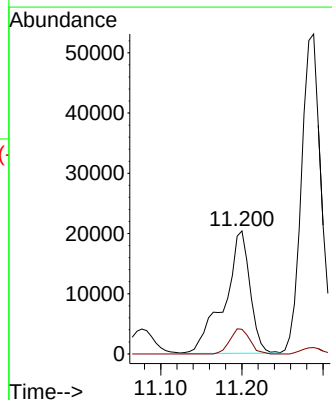
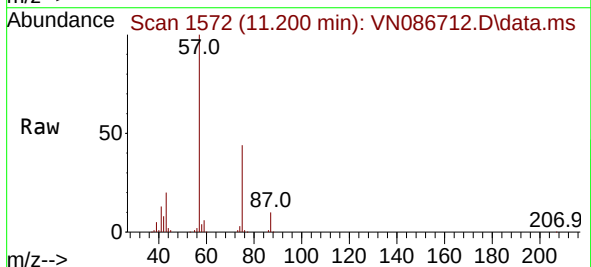
Acq: 20 May 2025 12:51

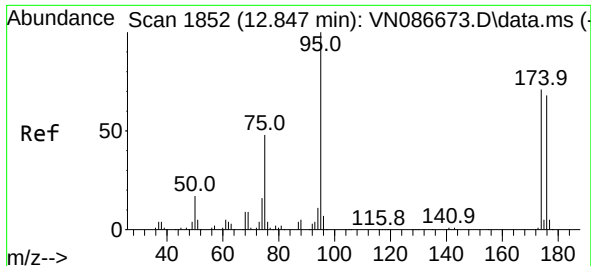
Tgt Ion: 43 Resp: 44516

Ion Ratio Lower Upper

43 100

58 15.9 29.8 89.5#

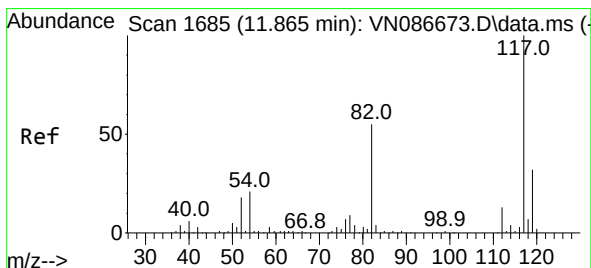
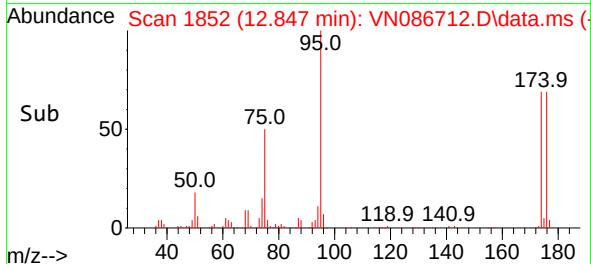
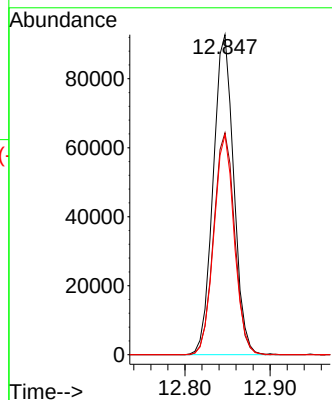
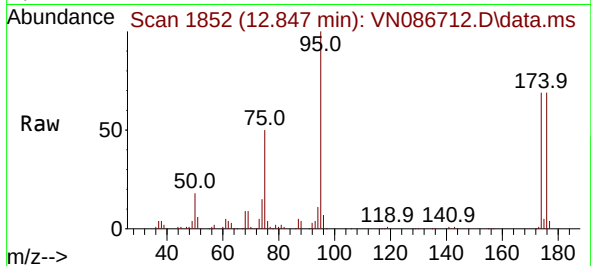




#62
4-Bromofluorobenzene
Concen: 52.130 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086712.D
Acq: 20 May 2025 12:51

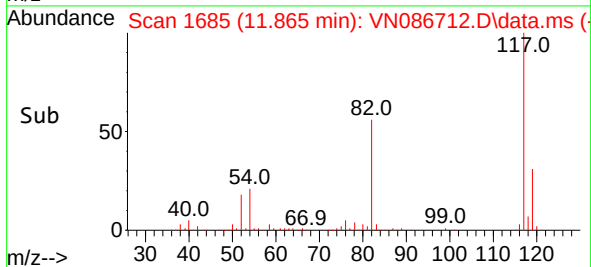
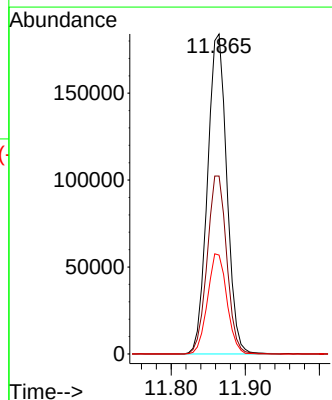
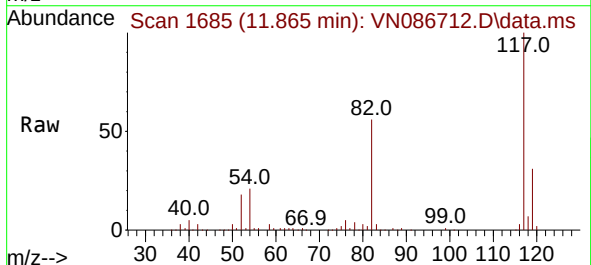
Instrument :
MSVOA_N
ClientSampleId :
L1-WC-7

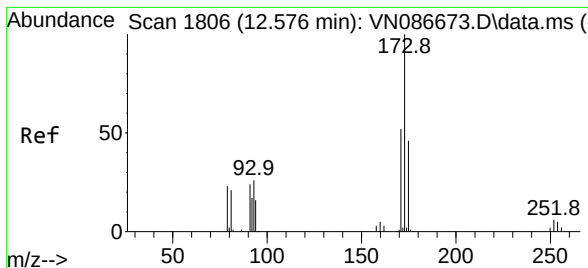
Tgt Ion: 95 Resp: 155653
Ion Ratio Lower Upper
95 100
174 70.7 0.0 145.4
176 68.1 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086712.D
Acq: 20 May 2025 12:51

Tgt Ion: 117 Resp: 332546
Ion Ratio Lower Upper
117 100
82 55.6 44.2 66.2
119 30.9 25.4 38.2





#71

Bromoform

Concen: 0.474 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN086712.D

Acq: 20 May 2025 12:51

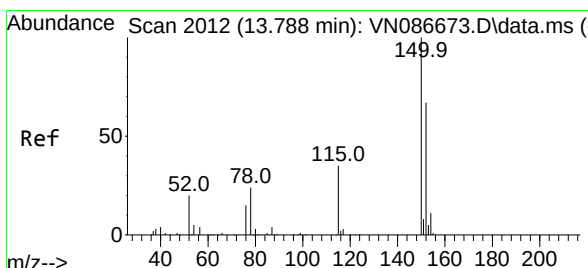
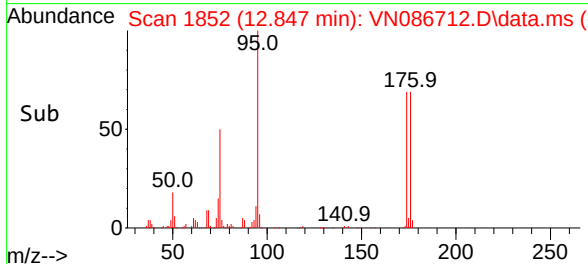
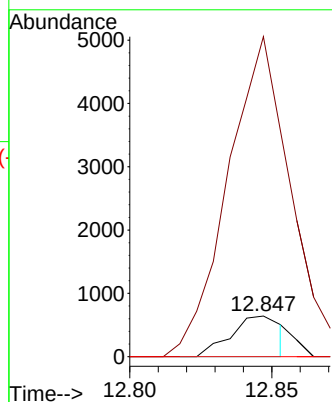
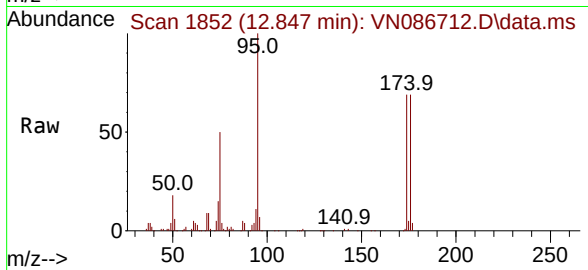
Instrument :

MSVOA_N

ClientSampleId :

L1-WC-7

Tgt Ion:	173	Resp:	794
Ion Ratio	Lower	Upper	
173	100		
175	813.9	23.4	70.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

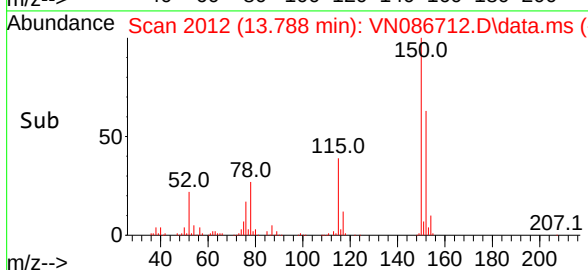
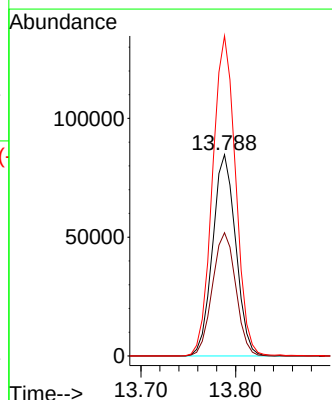
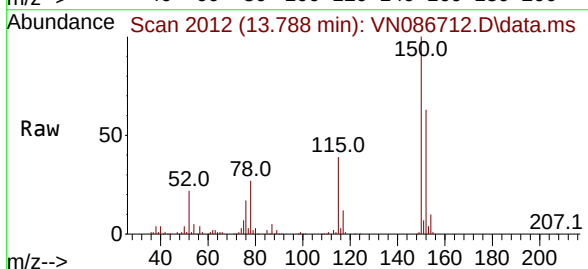
RT: 13.788 min Scan# 2012

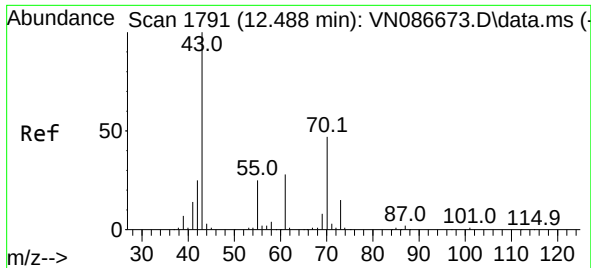
Delta R.T. 0.000 min

Lab File: VN086712.D

Acq: 20 May 2025 12:51

Tgt Ion:	152	Resp:	143683
Ion Ratio	Lower	Upper	
152	100		
115	62.1	30.0	90.1
150	159.4	0.0	347.8

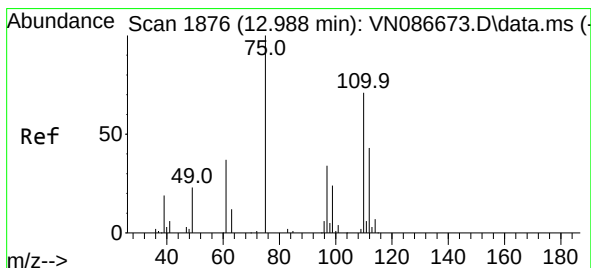
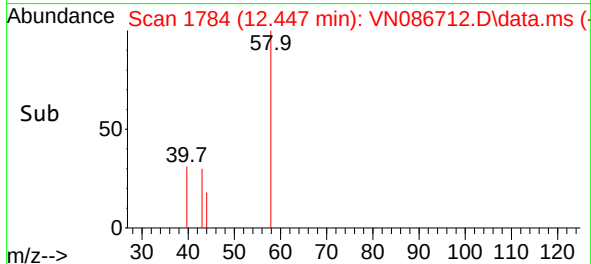
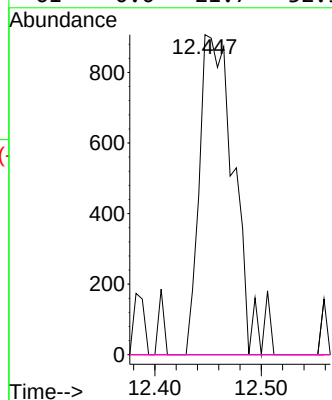
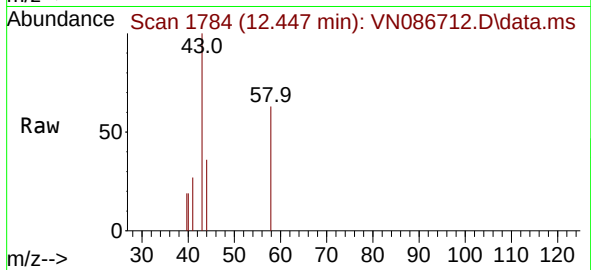




#74
N-amy1 acetate
Concen: 0.446 ug/l
RT: 12.447 min Scan# 1
Delta R.T. -0.041 min
Lab File: VN086712.D
Acq: 20 May 2025 12:51

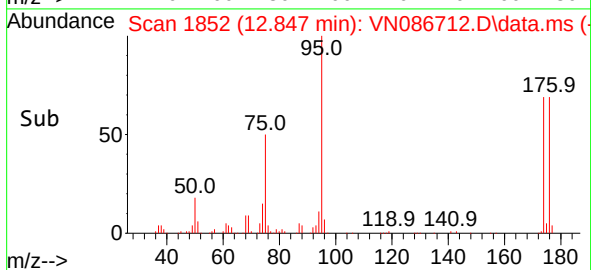
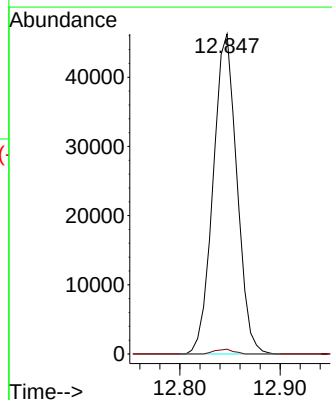
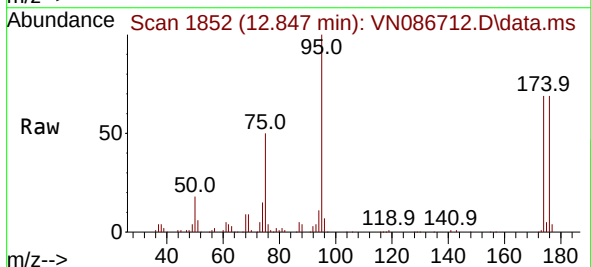
Instrument :
MSVOA_N
ClientSampleId :
L1-WC-7

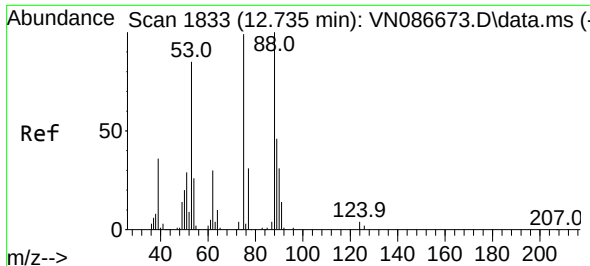
Tgt Ion:	43	Resp:	2069
Ion	Ratio	Lower	Upper
43	100		
70	0.0	37.9	56.9#
55	0.0	20.5	30.7#
61	0.0	21.7	32.5#



#76
1,2,3-Trichloropropane
Concen: 23.446 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086712.D
Acq: 20 May 2025 12:51

Tgt Ion:	75	Resp:	76189
Ion	Ratio	Lower	Upper
75	100		
77	1.2	96.0	288.1#

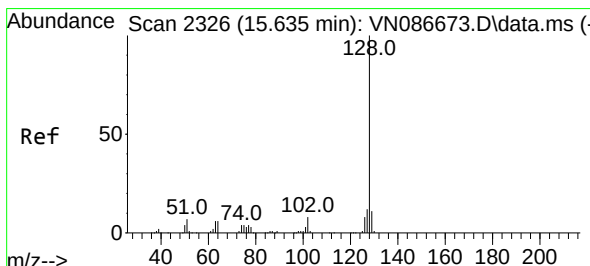
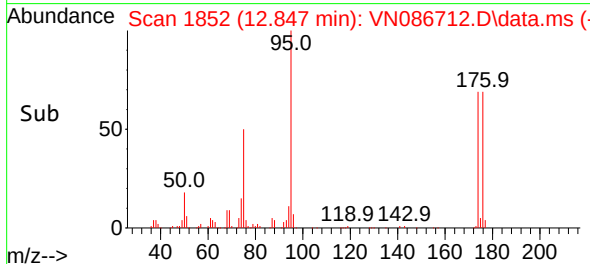
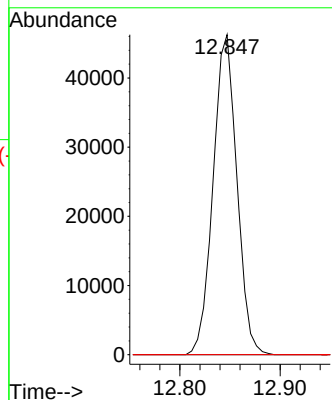
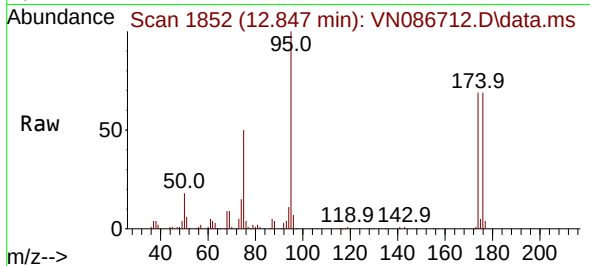




#81
trans-1,4-Dichloro-2-butene
Concen: 59.170 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086712.D
Acq: 20 May 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
L1-WC-7

Tgt Ion: 75 Resp: 76189
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 32.4 48.6#



#95
Naphthalene
Concen: 0.258 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN086712.D
Acq: 20 May 2025 12:51

Tgt Ion:128 Resp: 1738
Ion Ratio Lower Upper
128 100
127 0.0 10.1 15.1#
129 0.0 8.6 13.0#

