

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
 Data File : VN086859.D
 Acq On : 03 Jun 2025 21:49
 Operator : JC\MD
 Sample : Q2185-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP01-MHB-WC

Quant Time: Jun 04 02:08:37 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)

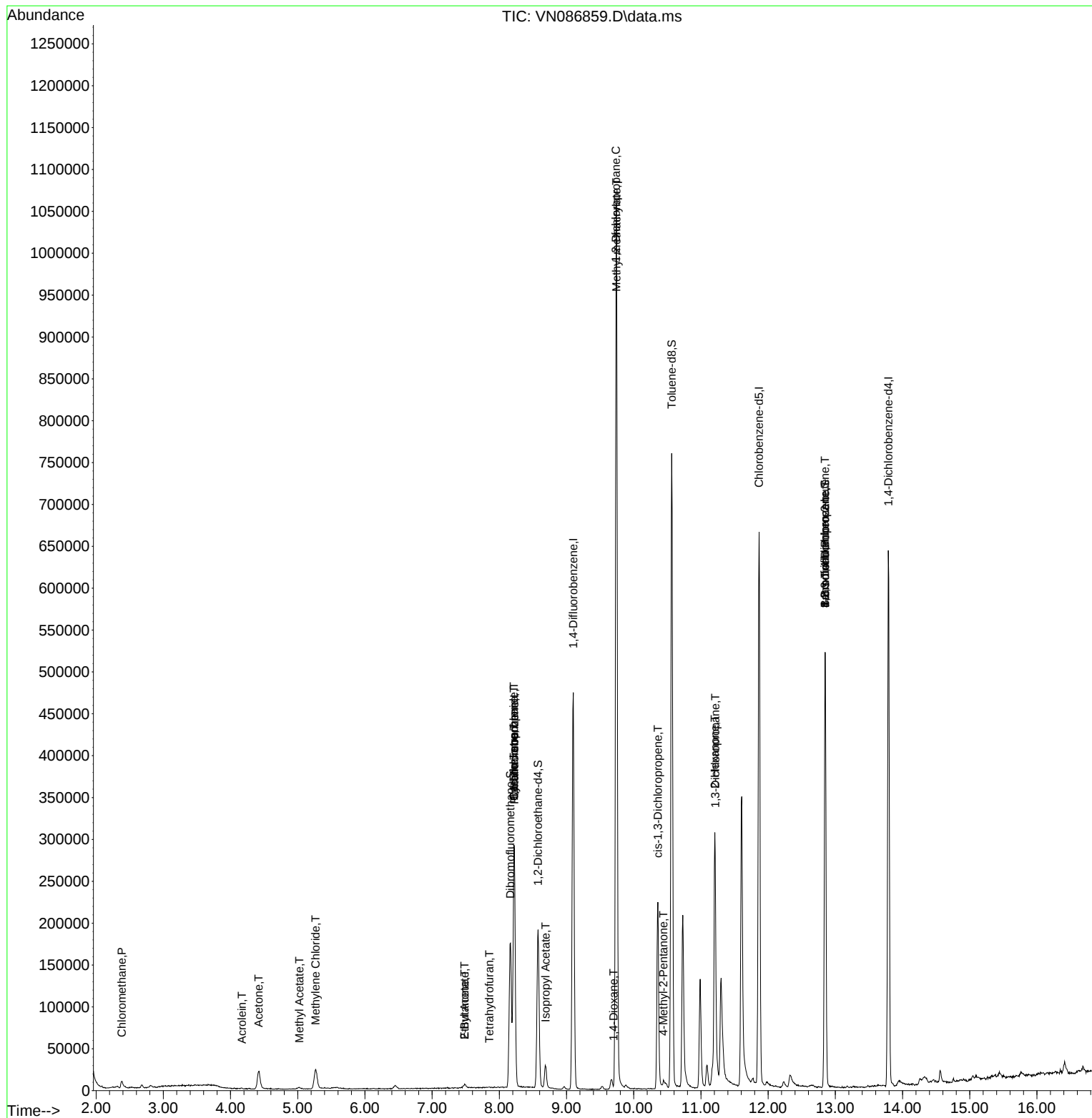
Internal Standards						
1) Pentafluorobenzene	8.224	168	221364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	429762	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	408049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	182763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	156008	51.002	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 102.000%		
35) Dibromofluoromethane	8.165	113	134643	52.607	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 105.220%		
50) Toluene-d8	10.565	98	548008	51.668	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 103.340%		
62) 4-Bromofluorobenzene	12.847	95	202871	54.171	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 108.340%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.383	50	16033	4.434	ug/l	94
13) Acrolein	4.171	56	449	0.754	ug/l #	60
16) Acetone	4.418	43	41784	36.518	ug/l	98
18) Methyl Acetate	5.024	43	4172	1.303	ug/l #	87
20) Methylene Chloride	5.265	84	19077	6.318	ug/l	96
25) 2-Butanone	7.483	43	7973	4.509	ug/l #	89
29) Tetrahydrofuran	7.853	42	384	0.333	ug/l #	51
31) Cyclohexane	8.218	56	4126	0.899	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	17366	4.600	ug/l #	49
37) Ethyl Acetate	7.483	43	7973	2.091	ug/l #	67
38) Carbon Tetrachloride	8.218	117	21865	5.878	ug/l #	16
43) Isopropyl Acetate	8.688	43	31732	4.151	ug/l	93
45) 1,2-Dichloropropane	9.735	63	1281	0.438	ug/l #	42
48) Methyl methacrylate	9.741	41	89862	30.334	ug/l #	35
49) 1,4-Dioxane	9.700	88	219	3.491	ug/l #	24
51) 4-Methyl-2-Pentanone	10.441	43	4141	1.074	ug/l #	71
54) cis-1,3-Dichloropropene	10.359	75	48707	10.361	ug/l #	57
57) 1,3-Dichloropropane	11.212	76	3872	0.787	ug/l #	42
59) 2-Hexanone	11.206	43	47420	16.843	ug/l #	51
71) Bromoform	12.847	173	755	0.368	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	99013	23.955	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	99013	60.453	ug/l #	15

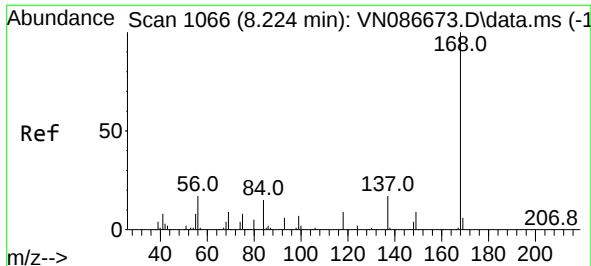
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
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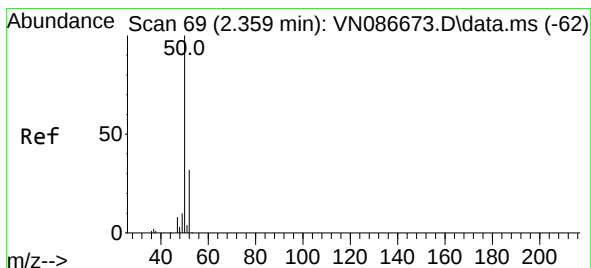
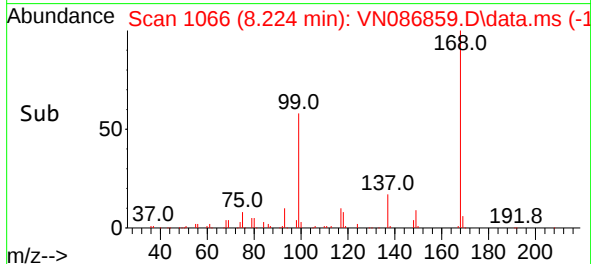
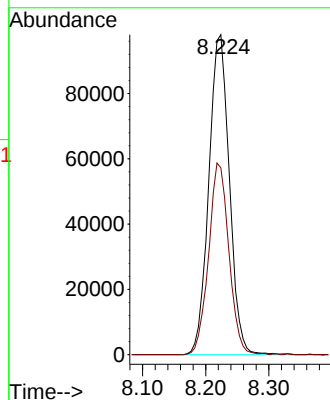
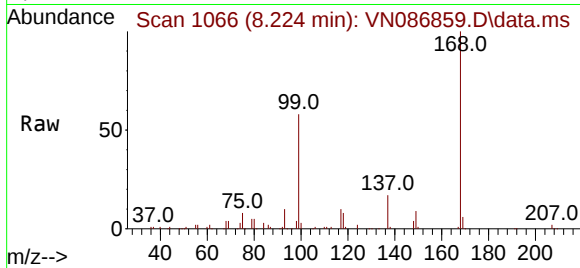




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086859.D
Acq: 03 Jun 2025 21:49

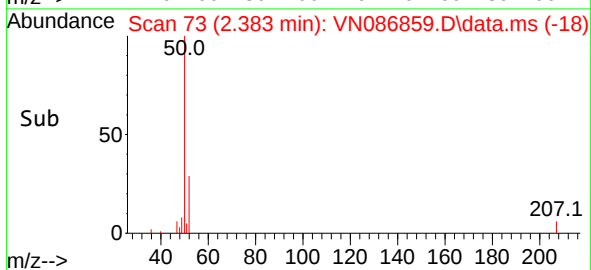
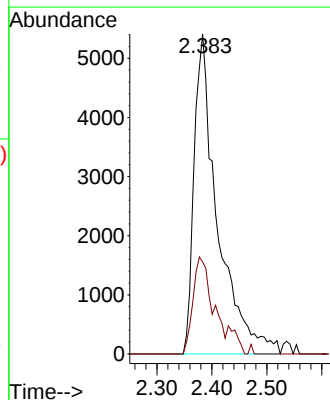
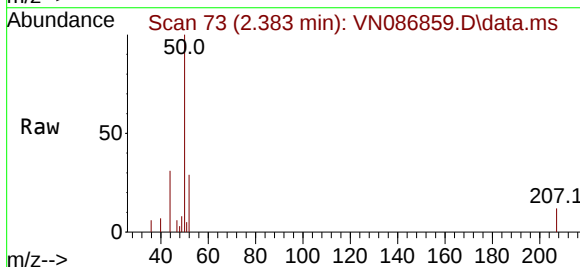
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MSVOA_N
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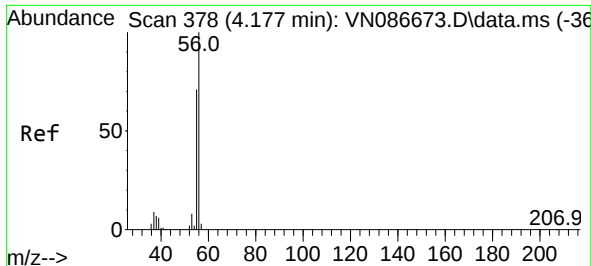
Tgt Ion:168 Resp: 221364
Ion Ratio Lower Upper
168 100
99 58.4 47.0 70.4



#3
Chloromethane
Concen: 4.434 ug/l
RT: 2.383 min Scan# 73
Delta R.T. 0.024 min
Lab File: VN086859.D
Acq: 03 Jun 2025 21:49

Tgt Ion: 50 Resp: 16033
Ion Ratio Lower Upper
50 100
52 28.8 25.9 38.9

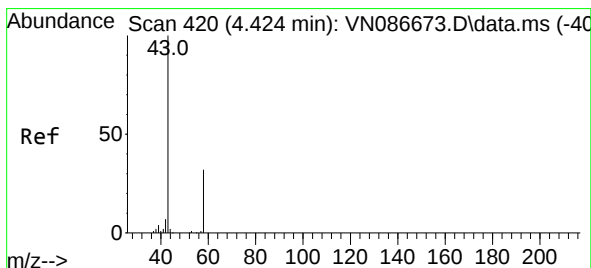
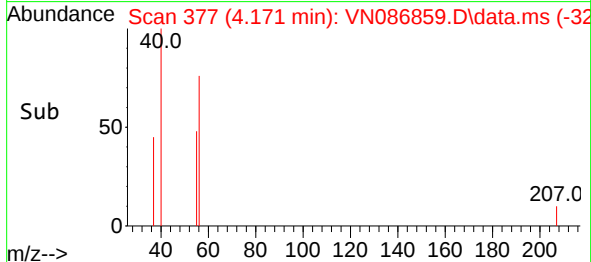
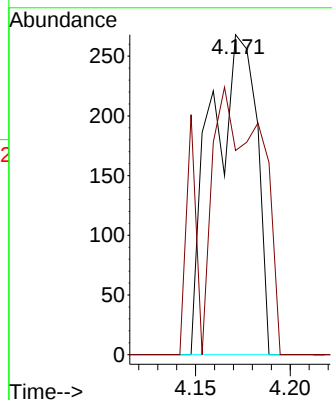
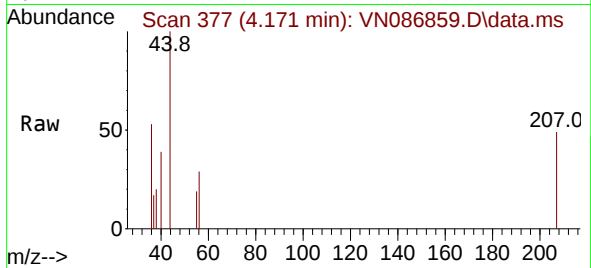




#13
Acrolein
Concen: 0.754 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN086859.D
Acq: 03 Jun 2025 21:49

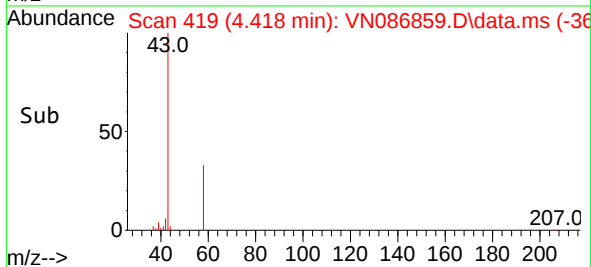
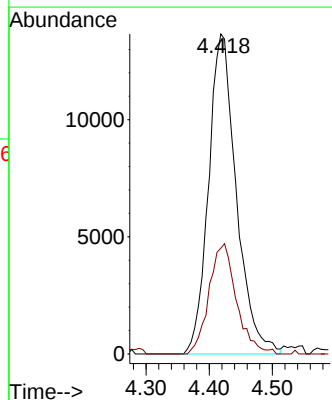
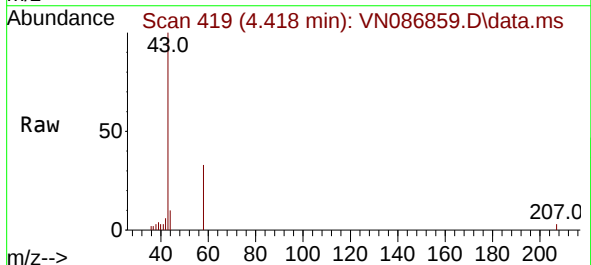
Instrument :
MSVOA_N
ClientSampleId :
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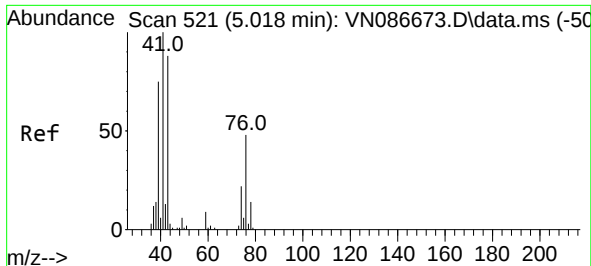
Tgt Ion: 56 Resp: 449
Ion Ratio Lower Upper
56 100
55 102.7 55.7 83.5#



#16
Acetone
Concen: 36.518 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN086859.D
Acq: 03 Jun 2025 21:49

Tgt Ion: 43 Resp: 41784
Ion Ratio Lower Upper
43 100
58 33.1 25.8 38.6

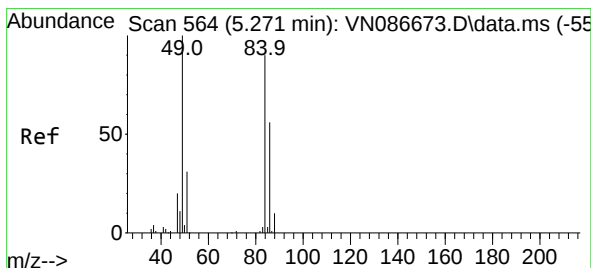
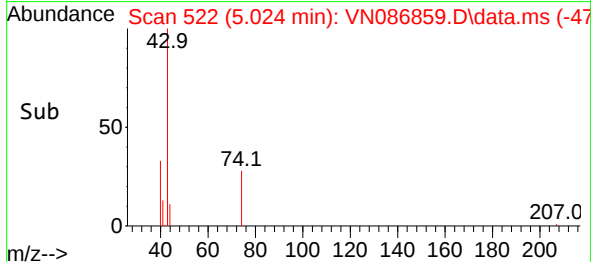
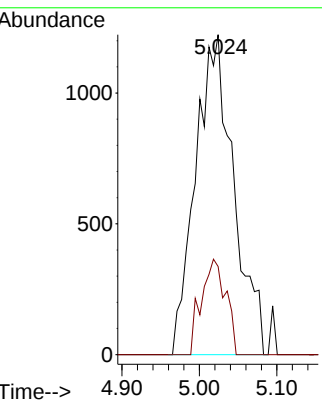
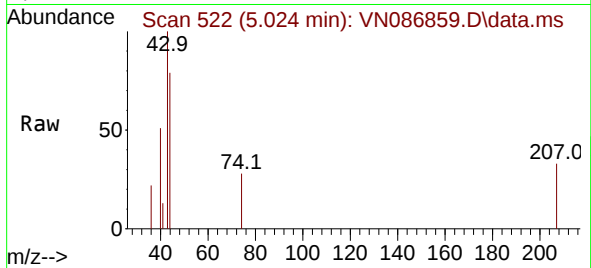




#18
Methyl Acetate
Concen: 1.303 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086859.D
Acq: 03 Jun 2025 21:49

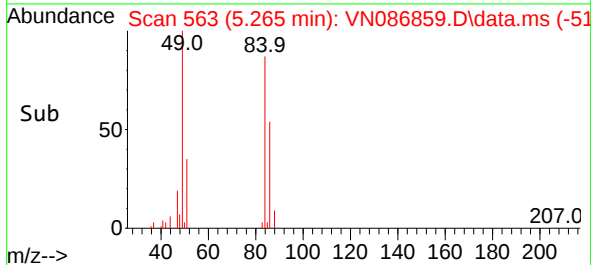
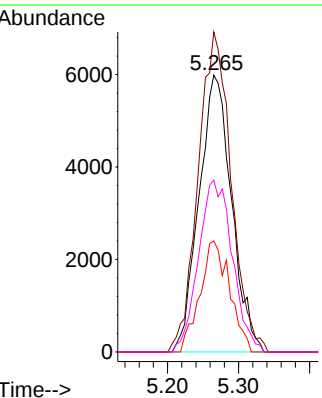
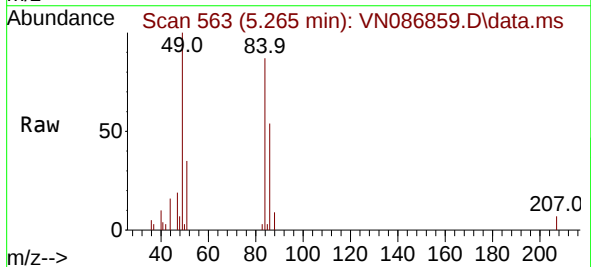
Instrument :
MSVOA_N
ClientSampleId :
TP01-MHB-WC

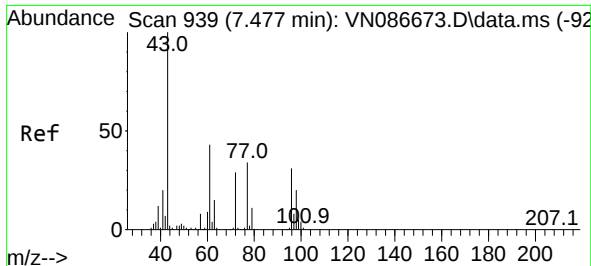
Tgt Ion: 43 Resp: 4172
Ion Ratio Lower Upper
43 100
74 19.2 20.5 30.7#



#20
Methylene Chloride
Concen: 6.318 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN086859.D
Acq: 03 Jun 2025 21:49

Tgt Ion: 84 Resp: 19077
Ion Ratio Lower Upper
84 100
49 115.6 88.8 133.2
51 40.1 27.8 41.6
86 62.1 49.8 74.6

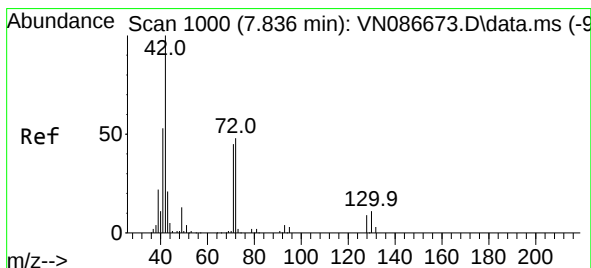
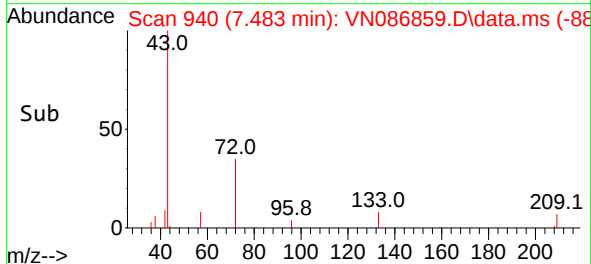
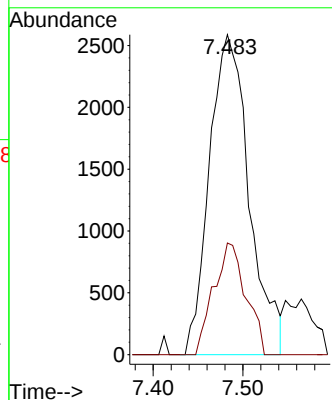
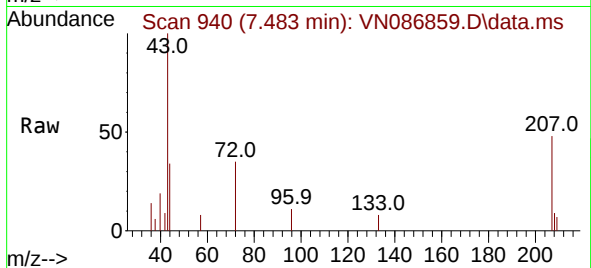




#25
2-Butanone
Concen: 4.509 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN086859.D
Acq: 03 Jun 2025 21:49

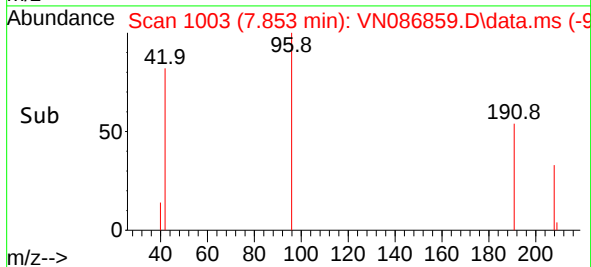
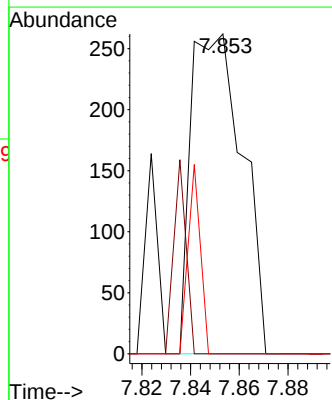
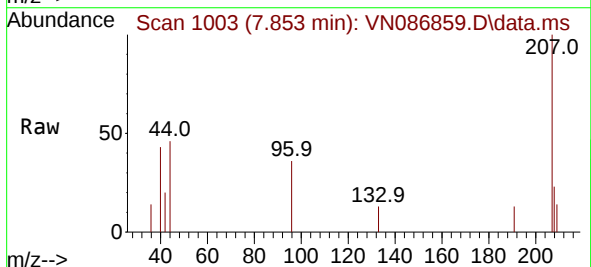
Instrument :
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ClientSampleId :
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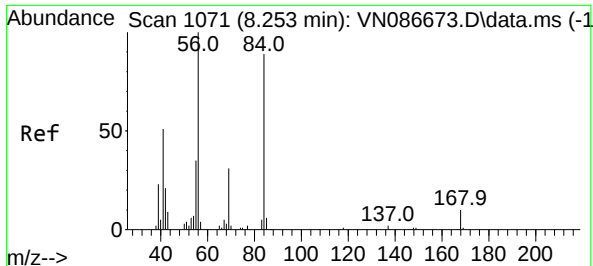
Tgt Ion: 43 Resp: 7973
Ion Ratio Lower Upper
43 100
72 34.9 23.1 34.7#



#29
Tetrahydrofuran
Concen: 0.333 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN086859.D
Acq: 03 Jun 2025 21:49

Tgt Ion: 42 Resp: 384
Ion Ratio Lower Upper
42 100
72 14.6 38.7 58.1#
71 14.3 36.2 54.4#

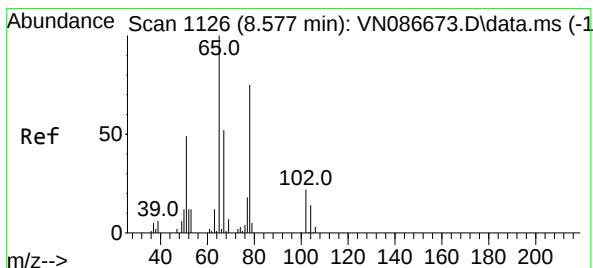
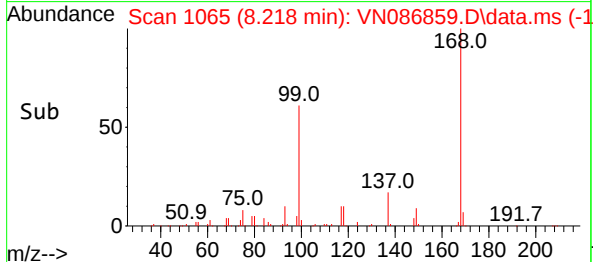
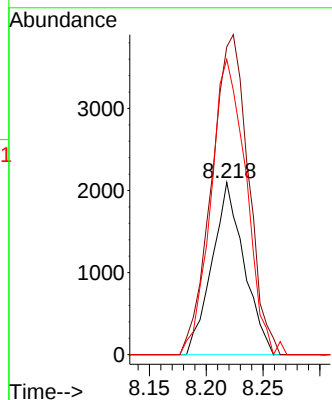
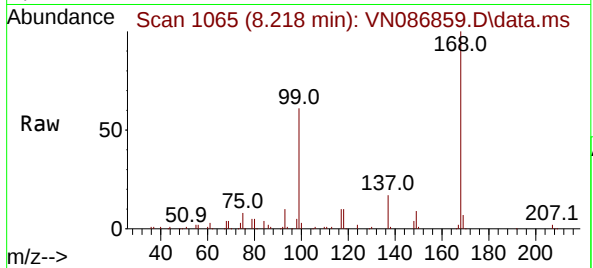




#31
Cyclohexane
Concen: 0.899 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086859.D
Acq: 03 Jun 2025 21:49

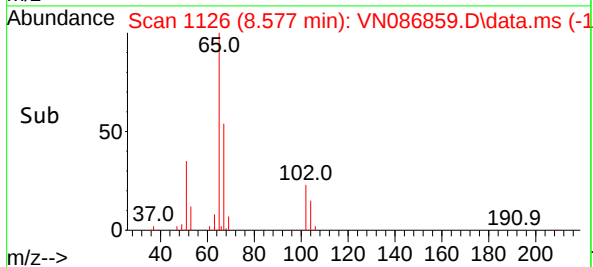
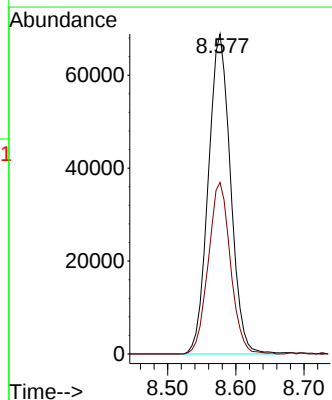
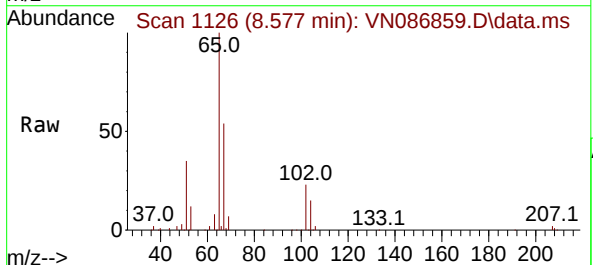
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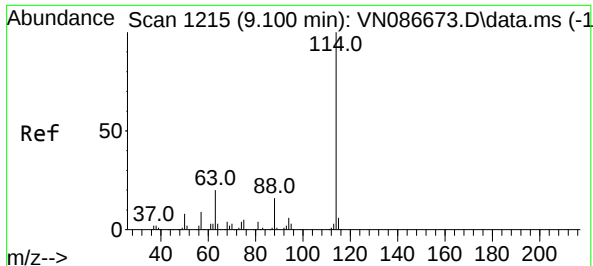
Tgt Ion: 56 Resp: 4126
Ion Ratio Lower Upper
56 100
69 178.7 25.0 37.6#
84 171.4 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 51.002 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086859.D
Acq: 03 Jun 2025 21:49

Tgt Ion: 65 Resp: 156008
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.4

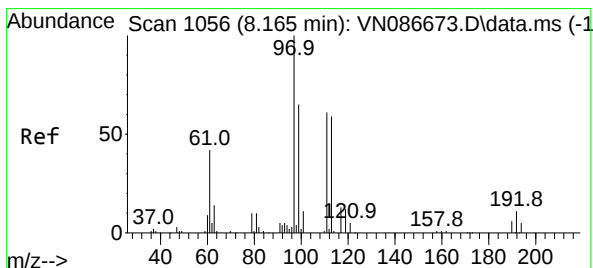
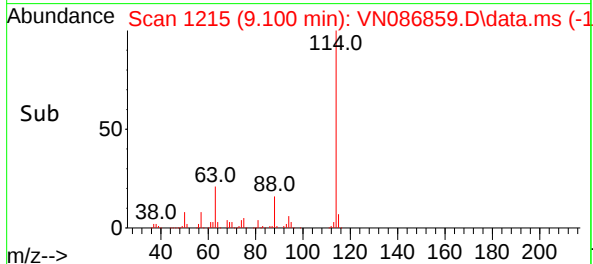
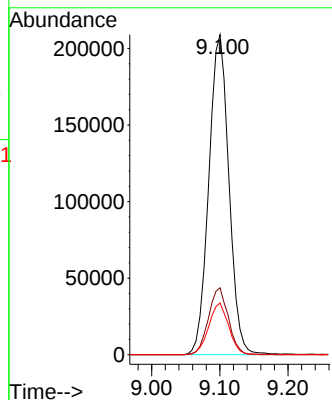
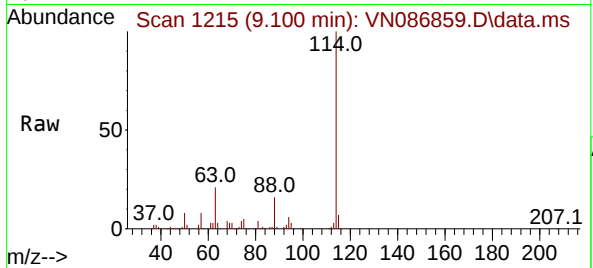




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086859.D
Acq: 03 Jun 2025 21:49

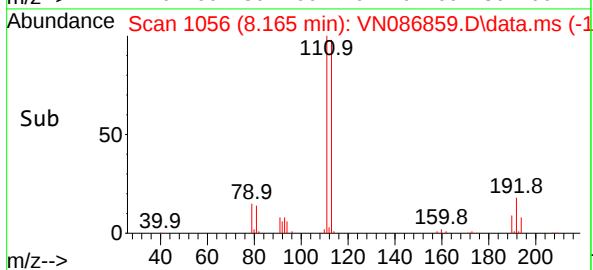
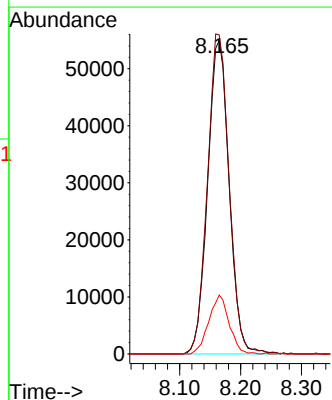
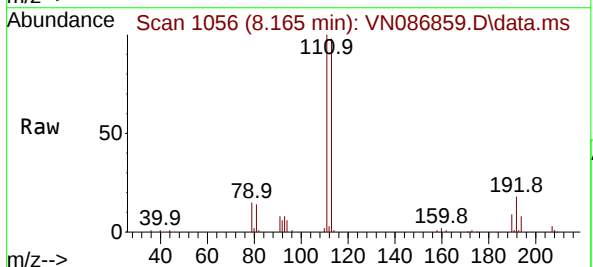
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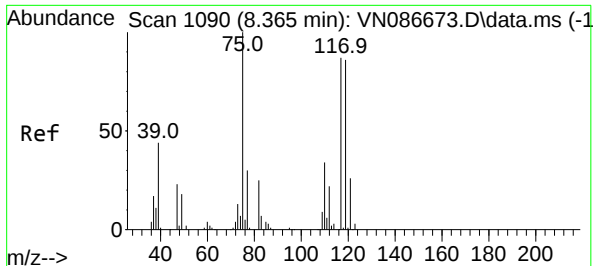
Tgt Ion:114 Resp: 429762
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.2
88 16.1 0.0 31.2



#35
Dibromofluoromethane
Concen: 52.607 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086859.D
Acq: 03 Jun 2025 21:49

Tgt Ion:113 Resp: 134643
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 17.8 13.8 20.8





#36

1,1-Dichloropropene

Concen: 4.600 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN086859.D

Acq: 03 Jun 2025 21:49

Instrument :

MSVOA_N

ClientSampleId :

TP01-MHB-WC

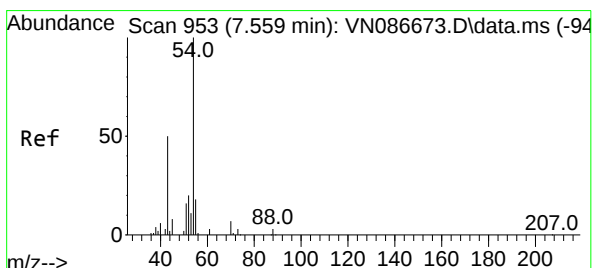
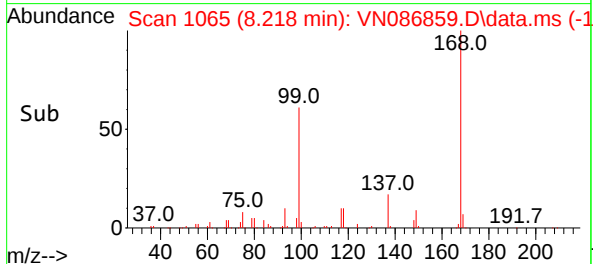
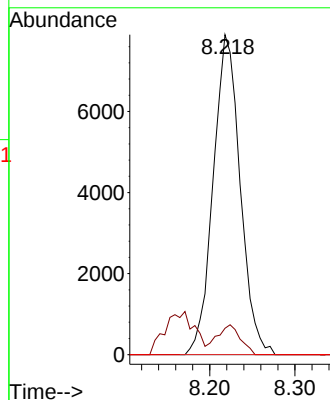
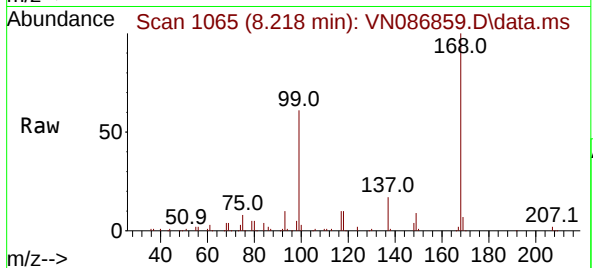
Tgt Ion: 75 Resp: 17366

Ion Ratio Lower Upper

75 100

110 8.2 17.5 52.5#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 2.091 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.076 min

Lab File: VN086859.D

Acq: 03 Jun 2025 21:49

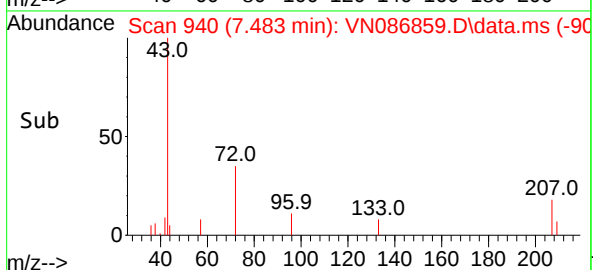
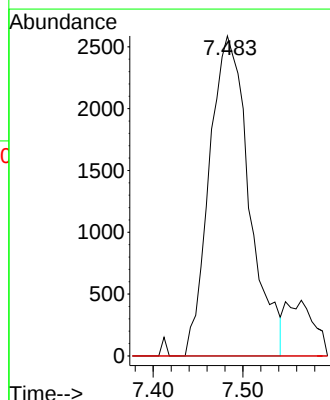
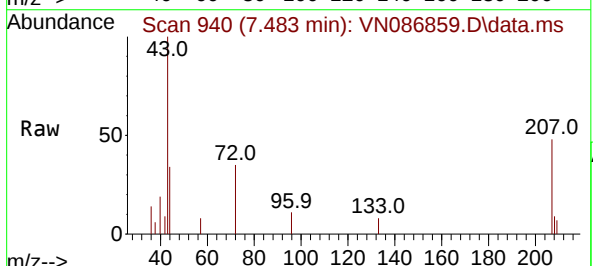
Tgt Ion: 43 Resp: 7973

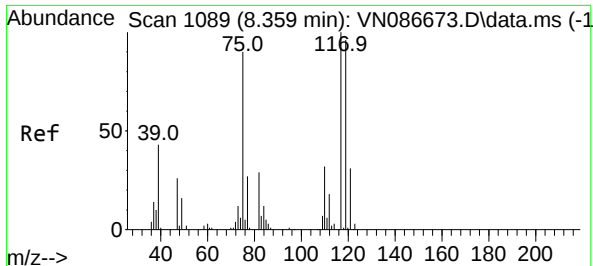
Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

70 0.0 9.4 14.0#

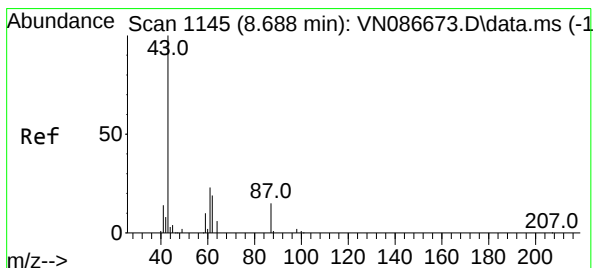
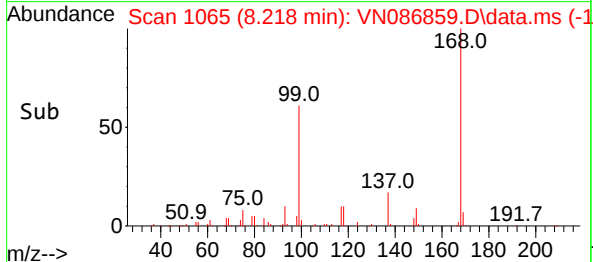
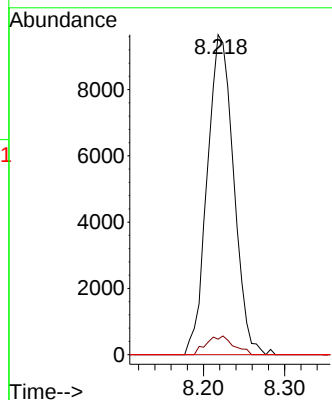
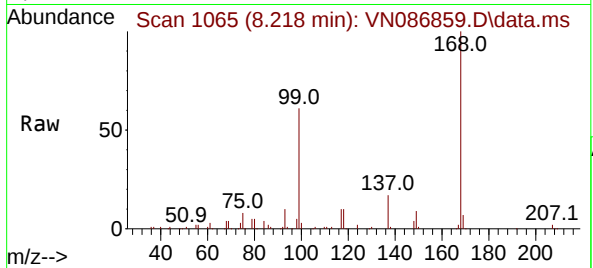




#38
Carbon Tetrachloride
Concen: 5.878 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN086859.D
Acq: 03 Jun 2025 21:49

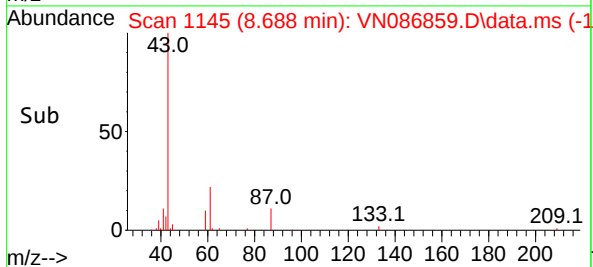
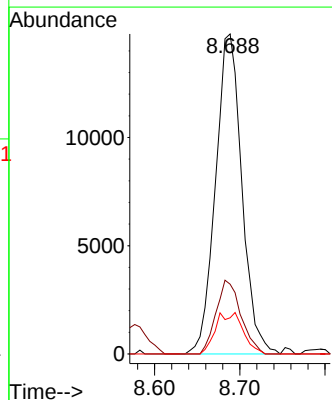
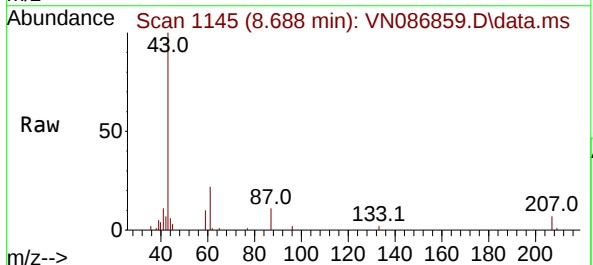
Instrument :
MSVOA_N
ClientSampleId :
TP01-MHB-WC

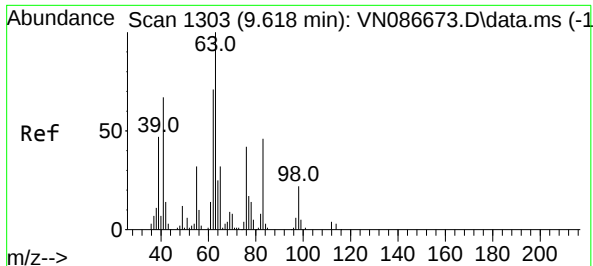
Tgt Ion:117 Resp: 21865
Ion Ratio Lower Upper
117 100
119 4.9 77.0 115.6#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 4.151 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN086859.D
Acq: 03 Jun 2025 21:49

Tgt Ion: 43 Resp: 31732
Ion Ratio Lower Upper
43 100
61 21.7 21.4 32.2
87 13.4 11.1 16.7

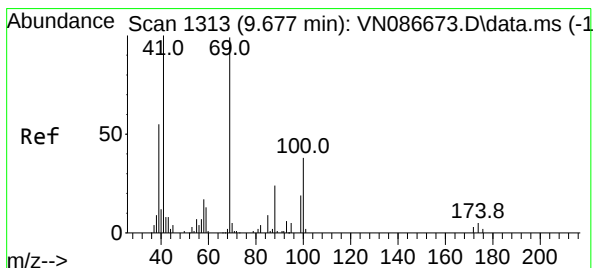
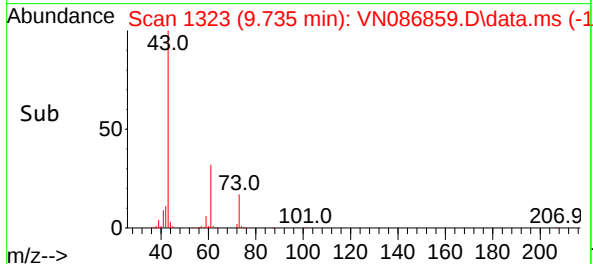
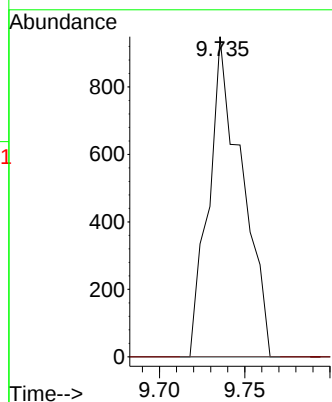
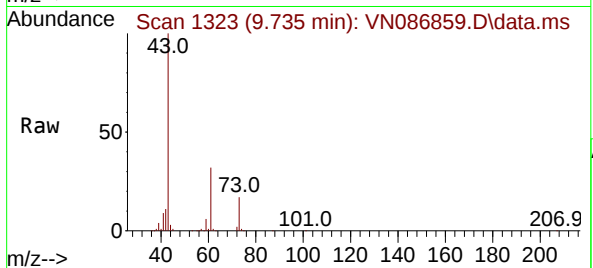




#45
1,2-Dichloropropane
Concen: 0.438 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN086859.D
Acq: 03 Jun 2025 21:49

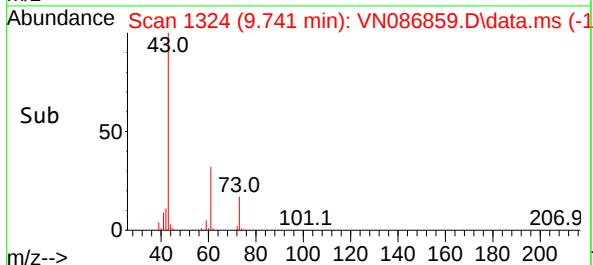
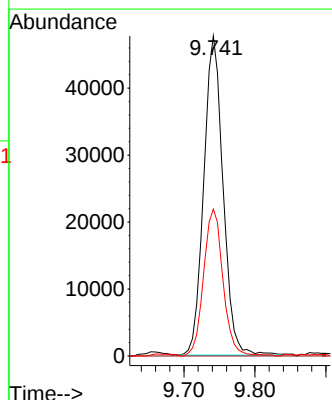
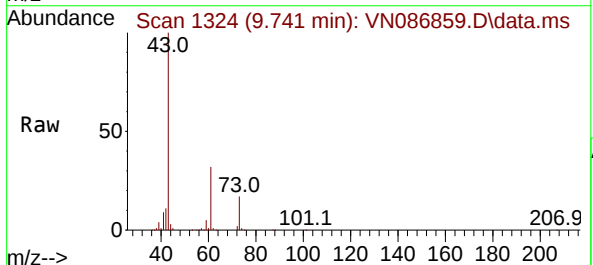
Instrument :
MSVOA_N
ClientSampleId :
TP01-MHB-WC

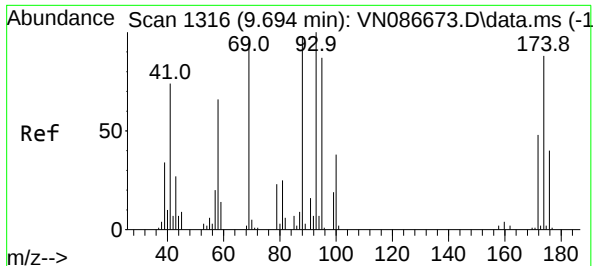
Tgt Ion: 63 Resp: 1281
Ion Ratio Lower Upper
63 100
65 0.0 25.8 38.6#



#48
Methyl methacrylate
Concen: 30.334 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.065 min
Lab File: VN086859.D
Acq: 03 Jun 2025 21:49

Tgt Ion: 41 Resp: 89862
Ion Ratio Lower Upper
41 100
69 0.0 74.1 111.1#
39 46.4 44.1 66.1





#49

1,4-Dioxane

Concen: 3.491 ug/l

RT: 9.700 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN086859.D

Acq: 03 Jun 2025 21:49

Instrument :

MSVOA_N

ClientSampleId :

TP01-MHB-WC

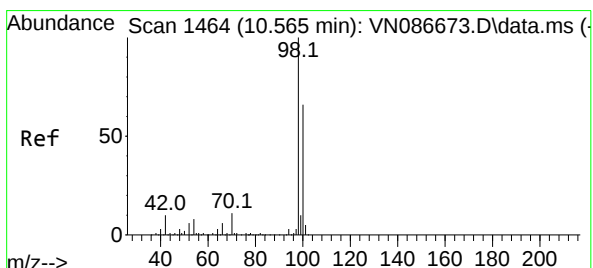
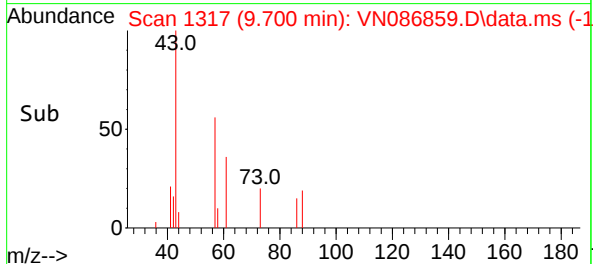
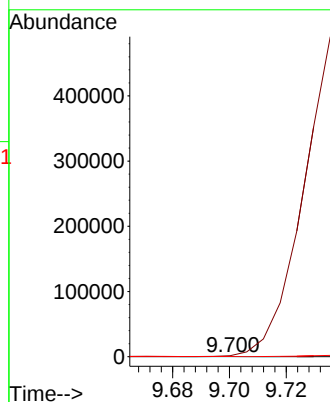
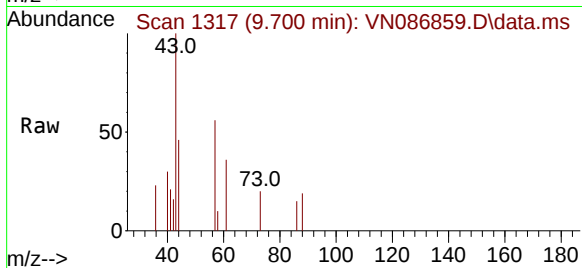
Tgt Ion: 88 Resp: 219

Ion Ratio Lower Upper

88 100

43 0.0 23.6 35.4#

58 0.0 55.3 82.9#



#50

Toluene-d8

Concen: 51.668 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN086859.D

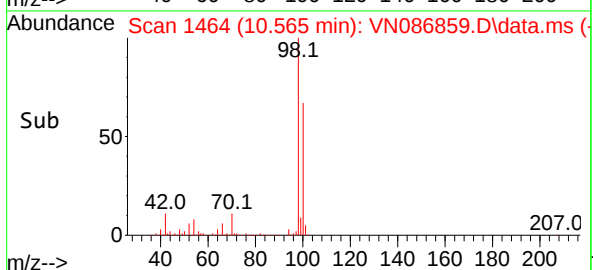
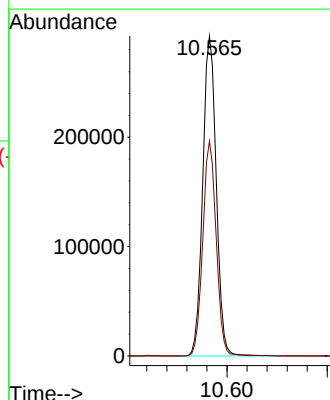
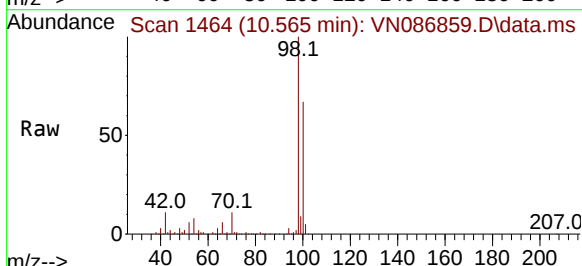
Acq: 03 Jun 2025 21:49

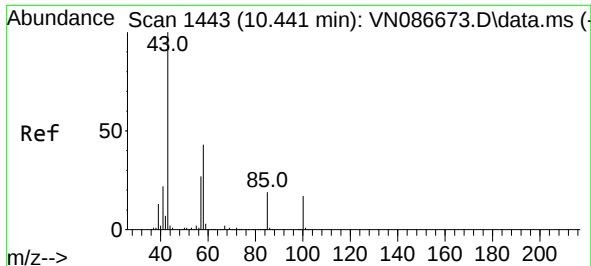
Tgt Ion: 98 Resp: 548008

Ion Ratio Lower Upper

98 100

100 66.5 52.9 79.3

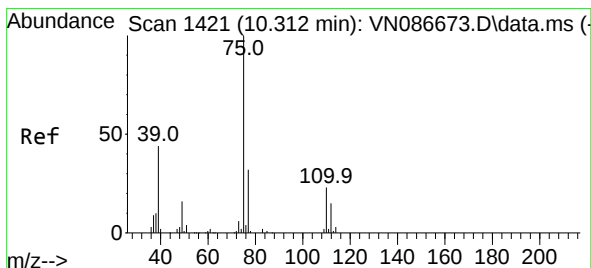
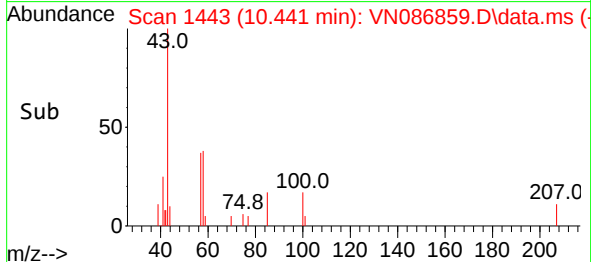
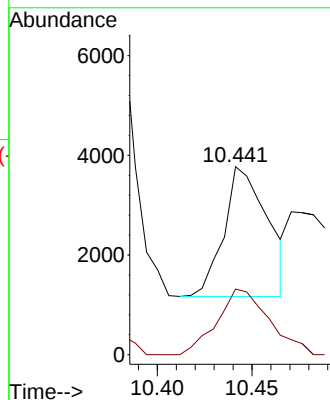
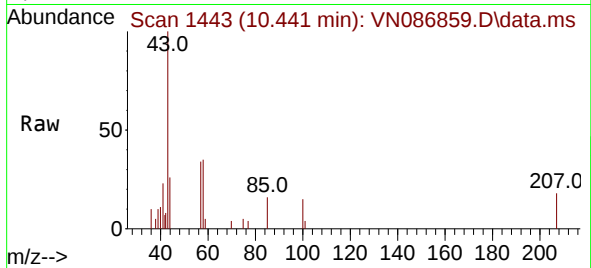




#51
4-Methyl-2-Pentanone
Concen: 1.074 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086859.D
Acq: 03 Jun 2025 21:49

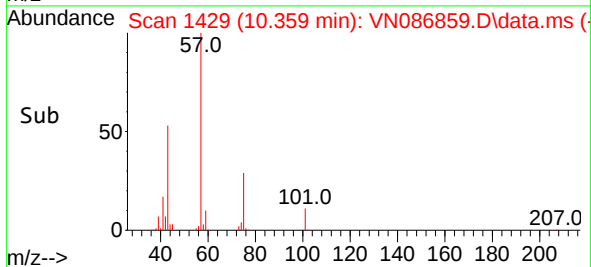
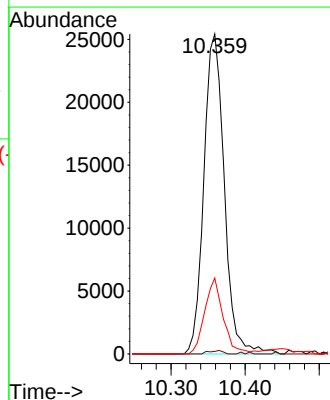
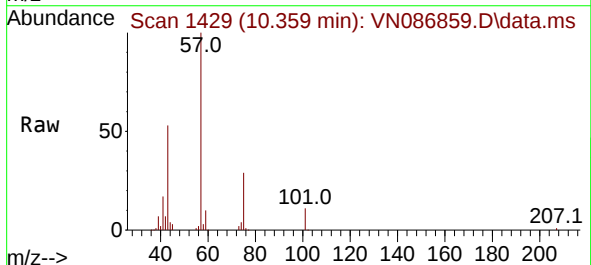
Instrument :
MSVOA_N
ClientSampleId :
TP01-MHB-WC

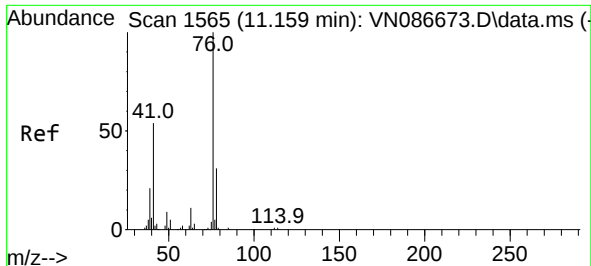
Tgt Ion: 43 Resp: 4141
Ion Ratio Lower Upper
43 100
58 60.7 33.9 50.9#



#54
cis-1,3-Dichloropropene
Concen: 10.361 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN086859.D
Acq: 03 Jun 2025 21:49

Tgt Ion: 75 Resp: 48707
Ion Ratio Lower Upper
75 100
77 0.8 25.3 37.9#
39 22.4 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 0.787 ug/l

RT: 11.212 min Scan# 1574

Delta R.T. 0.053 min

Lab File: VN086859.D

Acq: 03 Jun 2025 21:49

Instrument :

MSVOA_N

ClientSampleId :

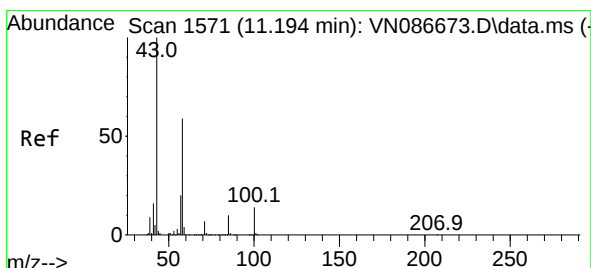
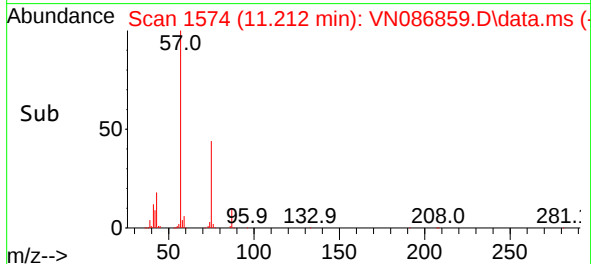
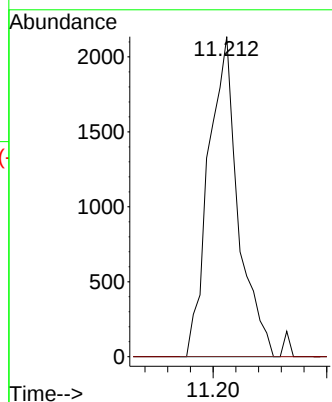
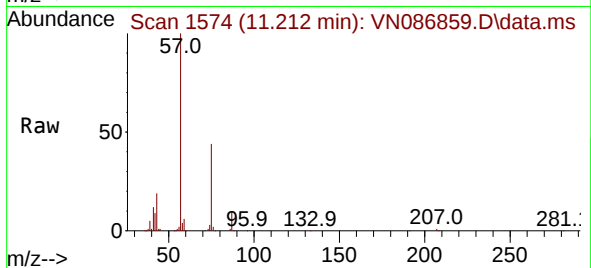
TP01-MHB-WC

Tgt Ion: 76 Resp: 3872

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 16.843 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.012 min

Lab File: VN086859.D

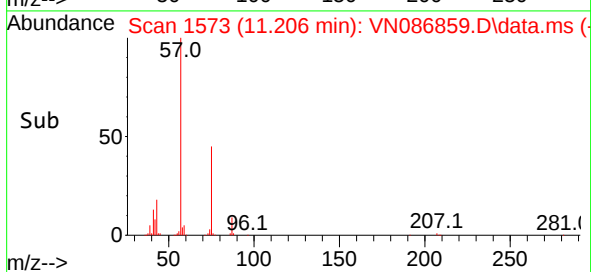
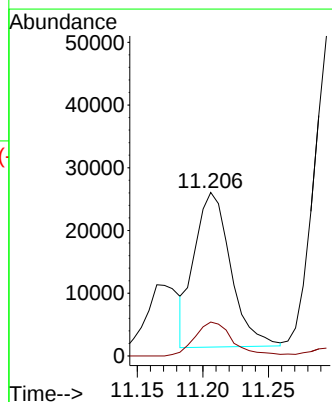
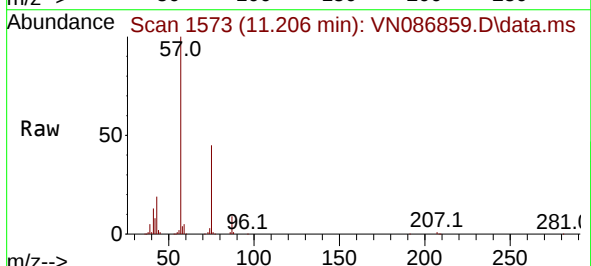
Acq: 03 Jun 2025 21:49

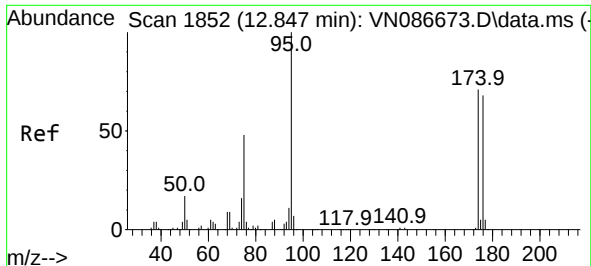
Tgt Ion: 43 Resp: 47420

Ion Ratio Lower Upper

43 100

58 22.9 29.8 89.5#

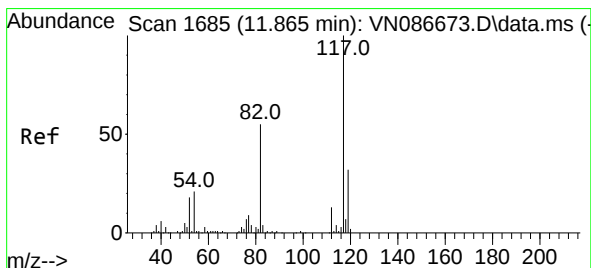
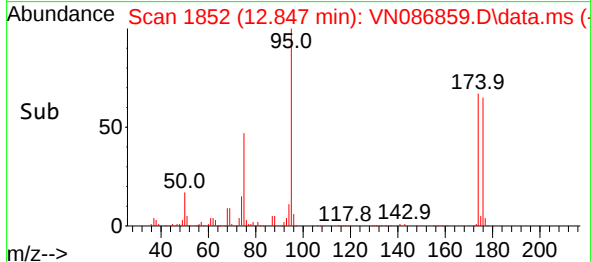
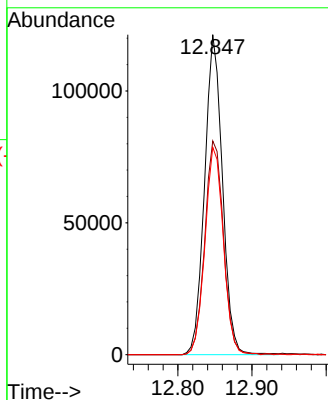
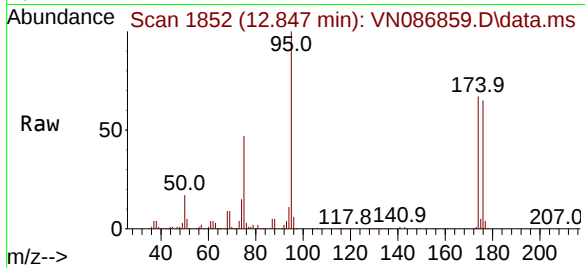




#62
4-Bromofluorobenzene
Concen: 54.171 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086859.D
Acq: 03 Jun 2025 21:49

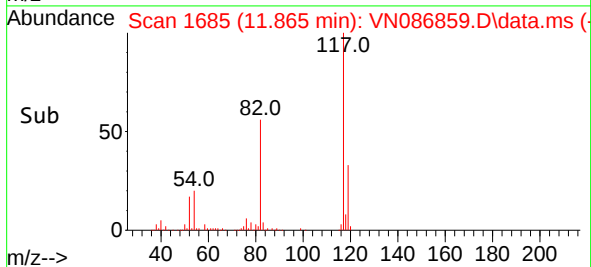
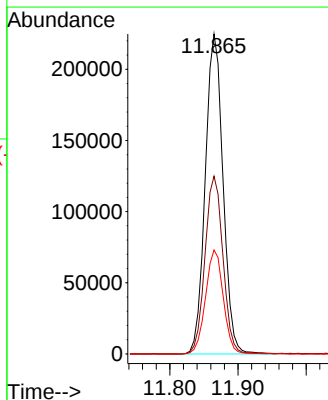
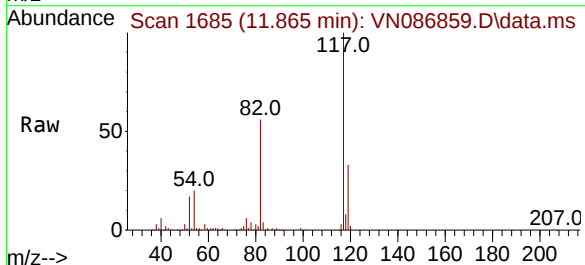
Instrument :
MSVOA_N
ClientSampleId :
TP01-MHB-WC

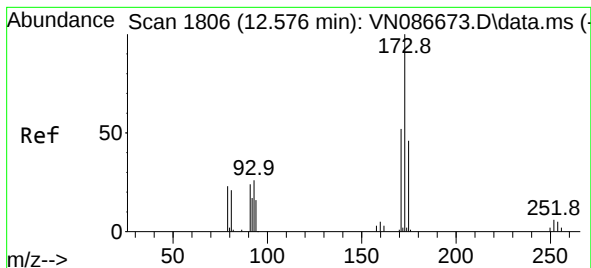
Tgt Ion: 95 Resp: 202871
Ion Ratio Lower Upper
95 100
174 70.0 0.0 145.4
176 66.9 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086859.D
Acq: 03 Jun 2025 21:49

Tgt Ion: 117 Resp: 408049
Ion Ratio Lower Upper
117 100
82 55.6 44.2 66.2
119 32.5 25.4 38.2





#71

Bromoform

Concen: 0.368 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN086859.D

Acq: 03 Jun 2025 21:49

Instrument :

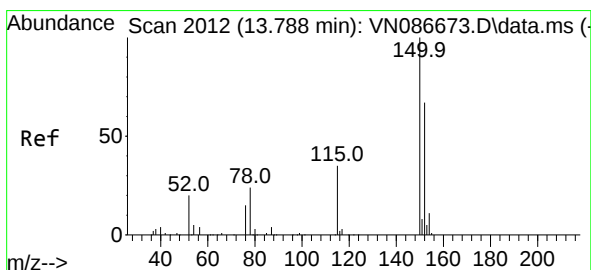
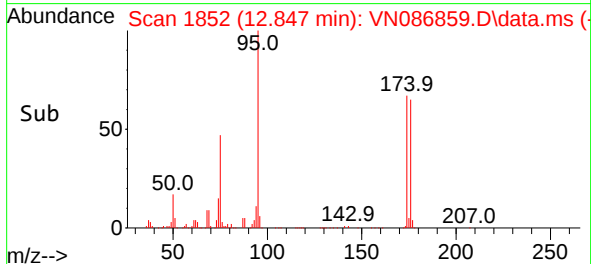
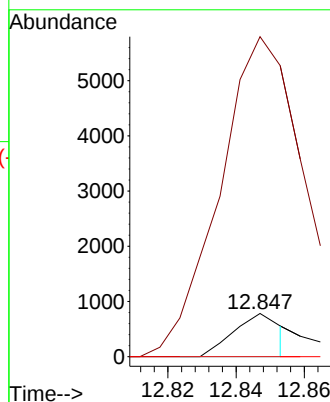
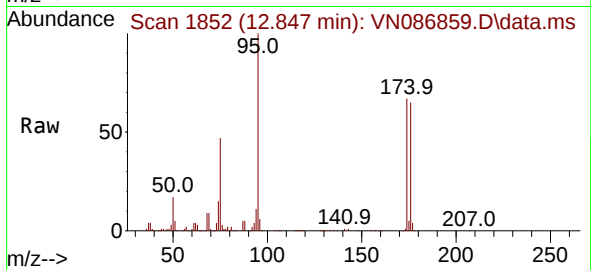
MSVOA_N

ClientSampleId :

TP01-MHB-WC

Tgt Ion:173 Resp: 755

Ion	Ratio	Lower	Upper
173	100		
175	1013.1	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# 1212

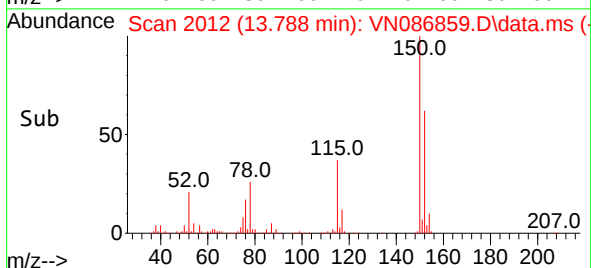
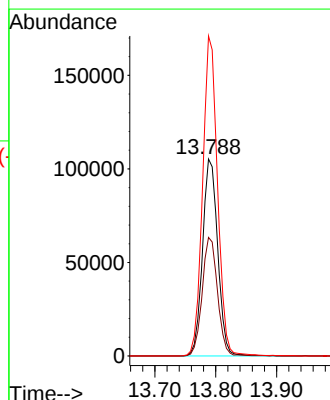
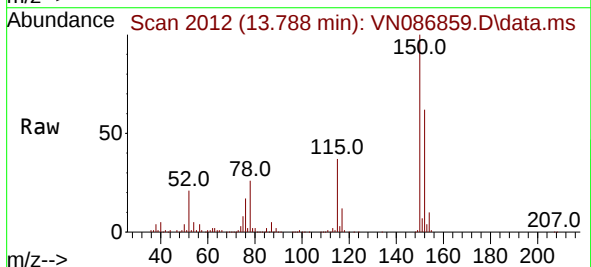
Delta R.T. 0.000 min

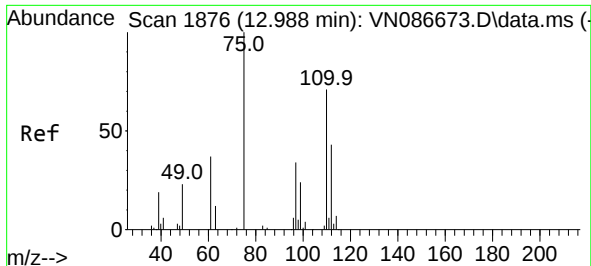
Lab File: VN086859.D

Acq: 03 Jun 2025 21:49

Tgt Ion:152 Resp: 182763

Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.0	90.1
150	159.4	0.0	347.8

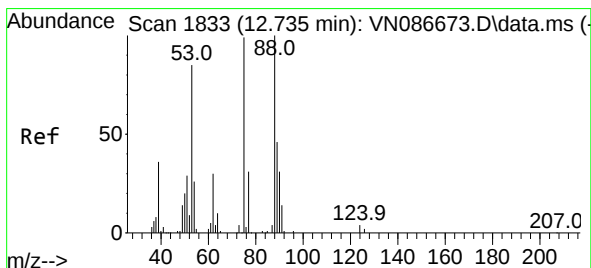
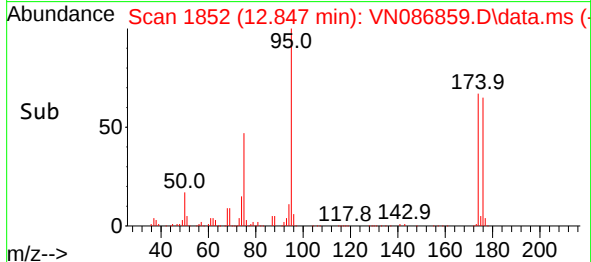
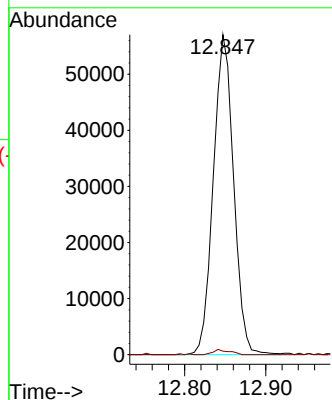
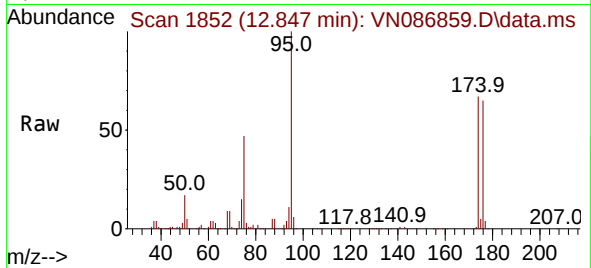




#76
1,2,3-Trichloropropane
Concen: 23.955 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086859.D
Acq: 03 Jun 2025 21:49

Instrument :
MSVOA_N
ClientSampleId :
TP01-MHB-WC

Tgt Ion: 75 Resp: 99013
Ion Ratio Lower Upper
75 100
77 1.3 96.0 288.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.453 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086859.D
Acq: 03 Jun 2025 21:49

Tgt Ion: 75 Resp: 99013
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 32.4 48.6#

