

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
 Data File : VN087058.D
 Acq On : 17 Jun 2025 14:43
 Operator : JC\MD
 Sample : Q2311-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP04-MH4-WC

Quant Time: Jun 18 01:48:40 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)

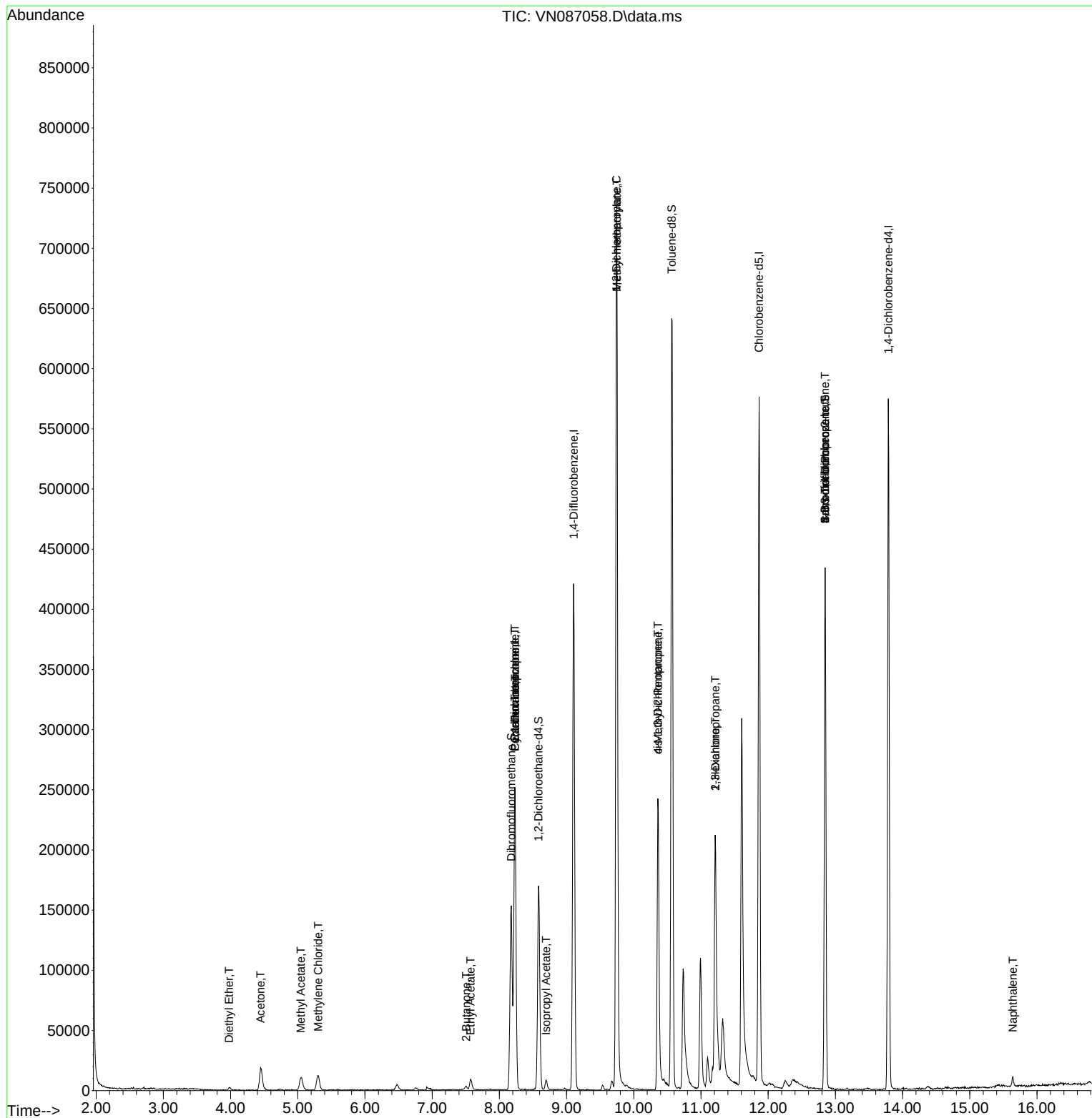
Internal Standards						
1) Pentafluorobenzene	8.235	168	200975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	397061	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	357207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	168118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	138725	51.555	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 103.100%		
35) Dibromofluoromethane	8.177	113	118328	50.287	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.580%		
50) Toluene-d8	10.565	98	485883	52.160	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 104.320%		
62) 4-Bromofluorobenzene	12.847	95	173904	50.249	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 100.500%		
Target Compounds						
						Qvalue
8) Diethyl Ether	3.977	74	1384	0.911	ug/l	94
16) Acetone	4.447	43	36425	25.526	ug/l	95
18) Methyl Acetate	5.047	43	24240	5.829	ug/l	98
20) Methylene Chloride	5.306	84	11341	4.245	ug/l #	83
25) 2-Butanone	7.506	43	5115	2.205	ug/l #	83
31) Cyclohexane	8.235	56	3600	0.825	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	14432	4.116	ug/l #	48
37) Ethyl Acetate	7.571	43	13699	3.069	ug/l	98
38) Carbon Tetrachloride	8.230	117	19700	5.723	ug/l #	16
43) Isopropyl Acetate	8.694	43	9296	1.298	ug/l	95
45) 1,2-Dichloropropane	9.741	63	1080	0.387	ug/l #	43
48) Methyl methacrylate	9.747	41	63264	19.186	ug/l #	34
51) 4-Methyl-2-Pentanone	10.359	43	93685	21.723	ug/l #	45
54) cis-1,3-Dichloropropene	10.359	75	60130	13.184	ug/l #	55
57) 1,3-Dichloropropane	11.212	76	3421	0.731	ug/l #	43
59) 2-Hexanone	11.212	43	33615	12.100	ug/l #	56
71) Bromoform	12.847	173	904	0.482	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	79168	19.811	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	79168	45.603	ug/l #	16
95) Naphthalene	15.641	128	8021	0.636	ug/l #	95

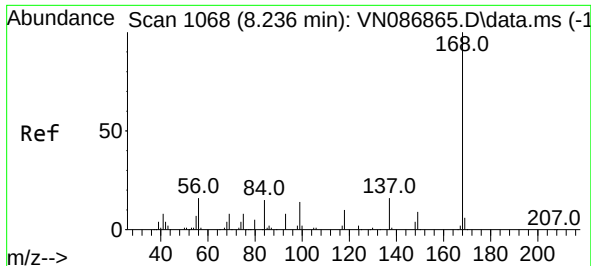
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 07 02:12:50 2025
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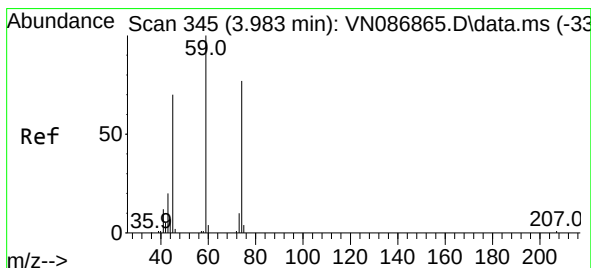
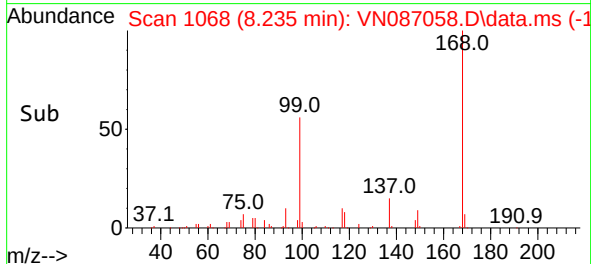
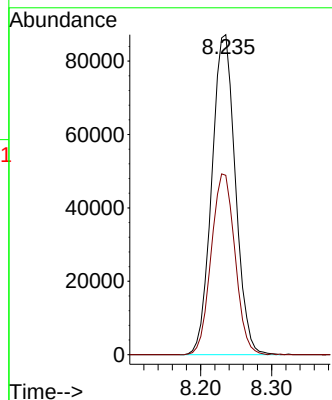
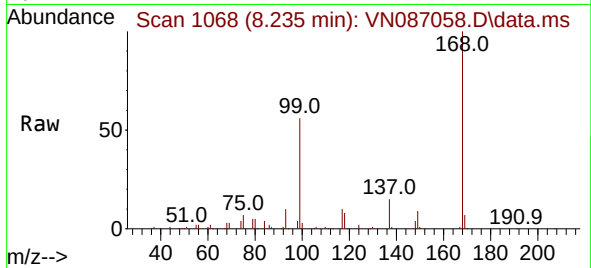




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN087058.D
Acq: 17 Jun 2025 14:43

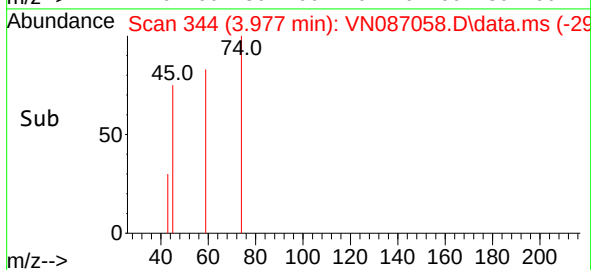
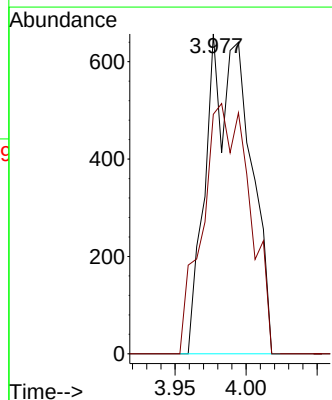
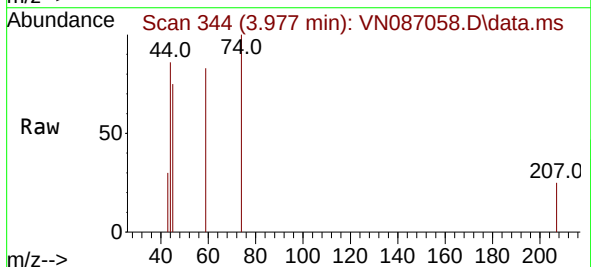
Instrument :
MSVOA_N
ClientSampleId :
TP04-MH4-WC

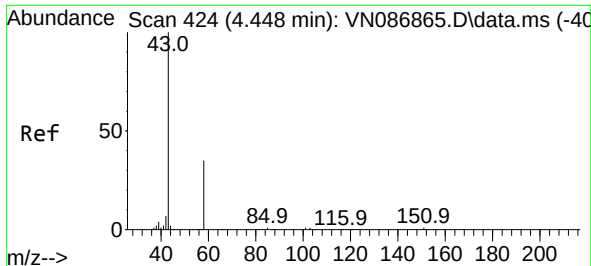
Tgt Ion:168 Resp: 200975
Ion Ratio Lower Upper
168 100
99 56.0 49.1 73.7



#8
Diethyl Ether
Concen: 0.911 ug/l
RT: 3.977 min Scan# 344
Delta R.T. -0.006 min
Lab File: VN087058.D
Acq: 17 Jun 2025 14:43

Tgt Ion: 74 Resp: 1384
Ion Ratio Lower Upper
74 100
45 85.6 45.5 136.5

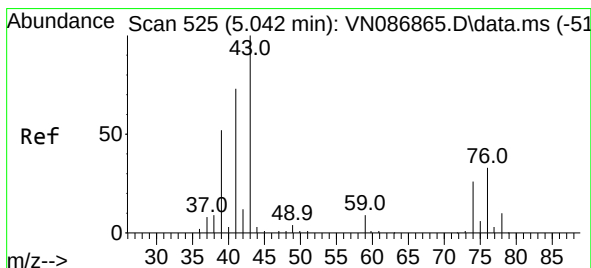
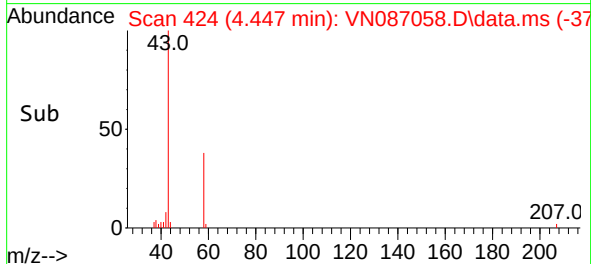
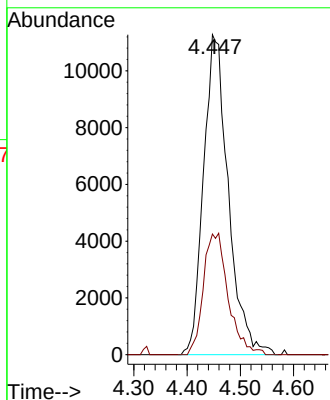
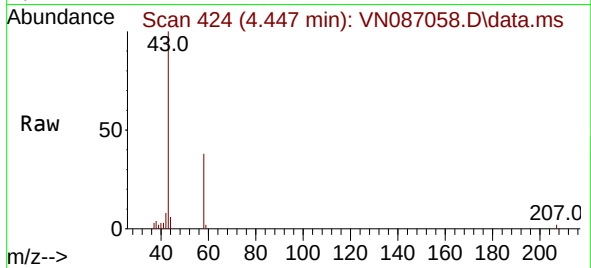




#16
Acetone
Concen: 25.526 ug/l
RT: 4.447 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087058.D
Acq: 17 Jun 2025 14:43

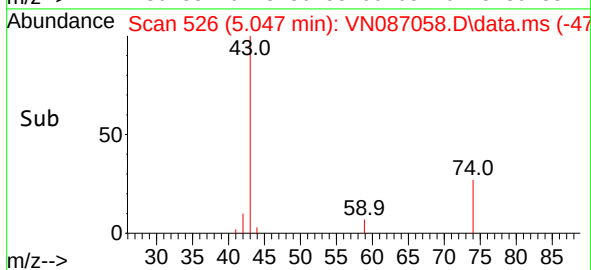
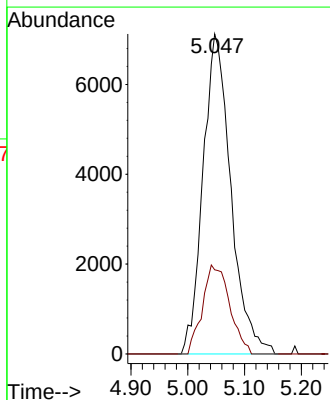
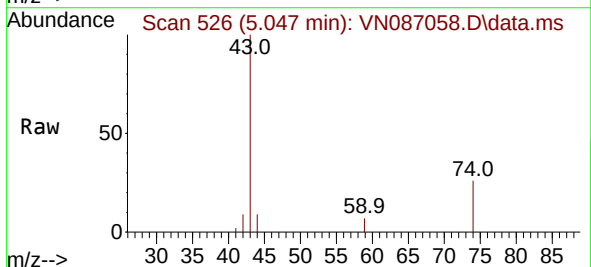
Instrument :
MSVOA_N
ClientSampleId :
TP04-MH4-WC

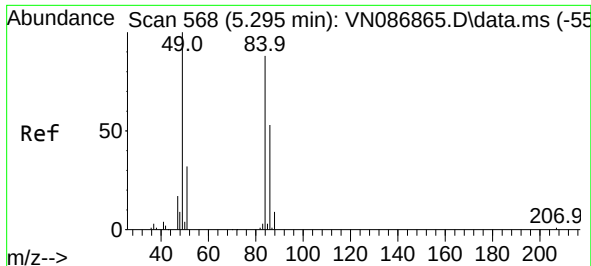
Tgt Ion: 43 Resp: 36425
Ion Ratio Lower Upper
43 100
58 37.7 28.0 42.0



#18
Methyl Acetate
Concen: 5.829 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN087058.D
Acq: 17 Jun 2025 14:43

Tgt Ion: 43 Resp: 24240
Ion Ratio Lower Upper
43 100
74 27.1 20.7 31.1





#20

Methylene Chloride

Concen: 4.245 ug/l

RT: 5.306 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN087058.D

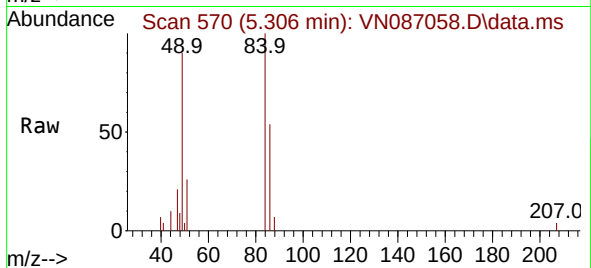
Acq: 17 Jun 2025 14:43

Instrument :

MSVOA_N

ClientSampleId :

TP04-MH4-WC



Tgt Ion: 84 Resp: 11341

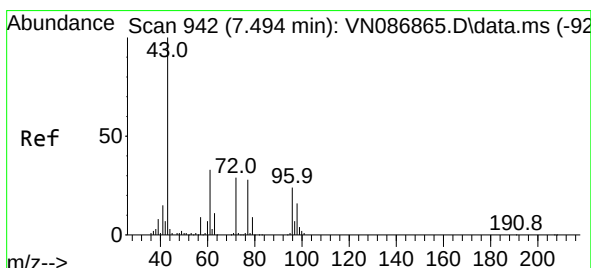
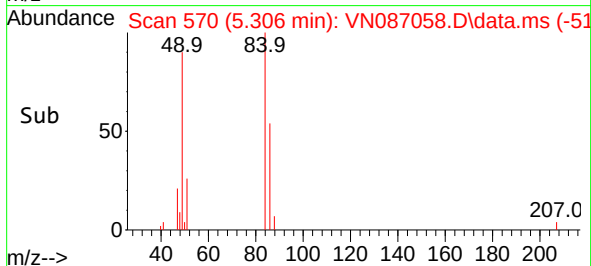
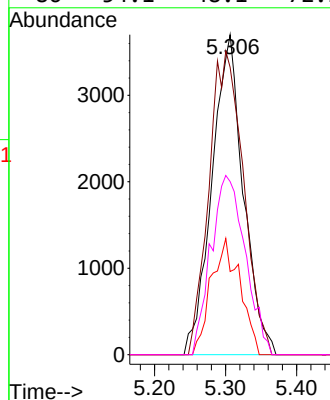
Ion Ratio Lower Upper

84 100

49 89.8 90.5 135.7#

51 26.0 28.5 42.7#

86 54.1 48.1 72.1



#25

2-Butanone

Concen: 2.205 ug/l

RT: 7.506 min Scan# 944

Delta R.T. 0.012 min

Lab File: VN087058.D

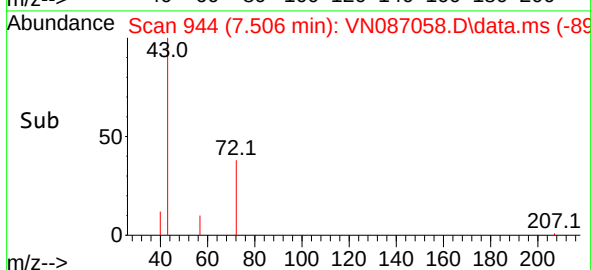
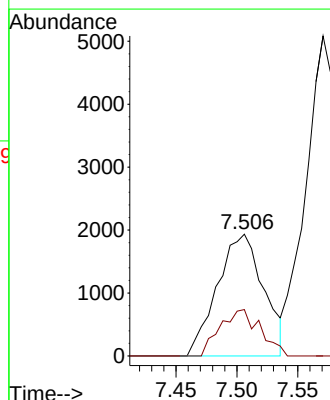
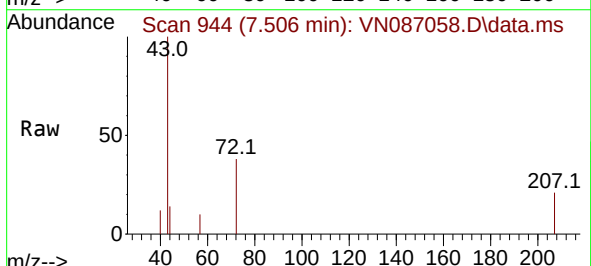
Acq: 17 Jun 2025 14:43

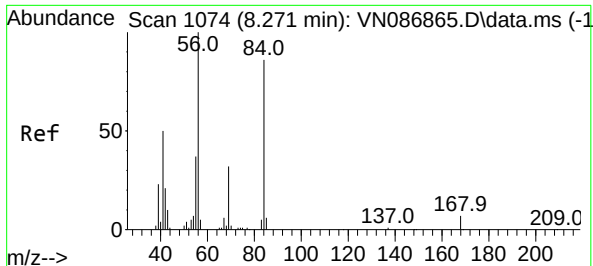
Tgt Ion: 43 Resp: 5115

Ion Ratio Lower Upper

43 100

72 38.1 23.0 34.6#

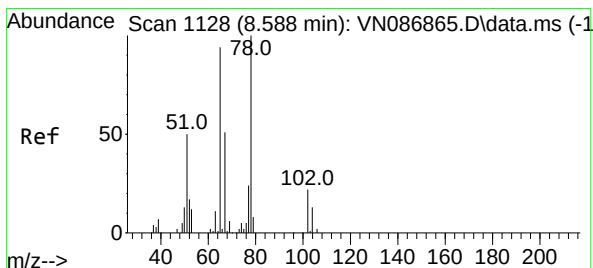
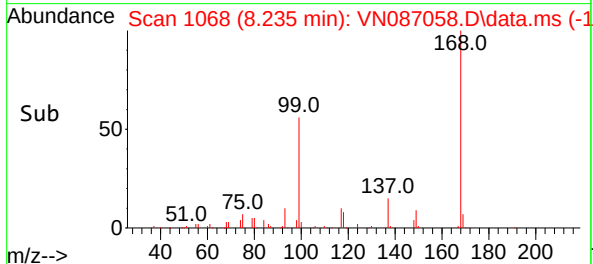
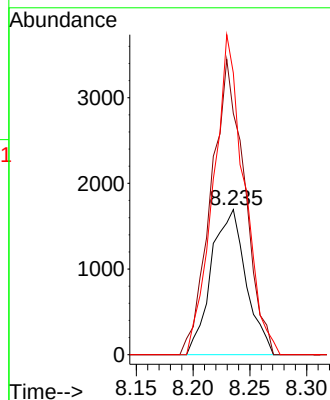
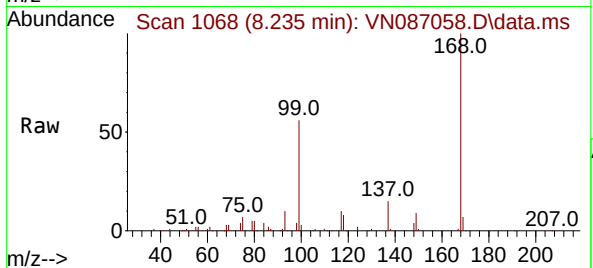




#31
Cyclohexane
Concen: 0.825 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.035 min
Lab File: VN087058.D
Acq: 17 Jun 2025 14:43

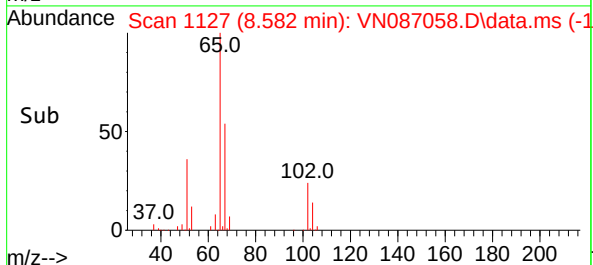
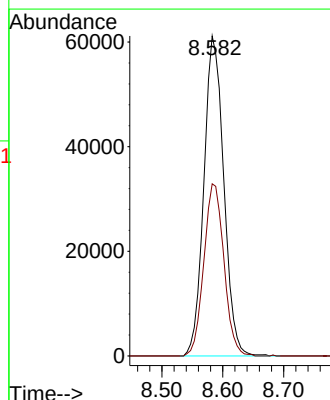
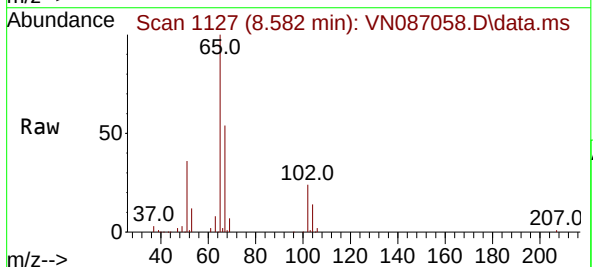
Instrument :
MSVOA_N
ClientSampleId :
TP04-MH4-WC

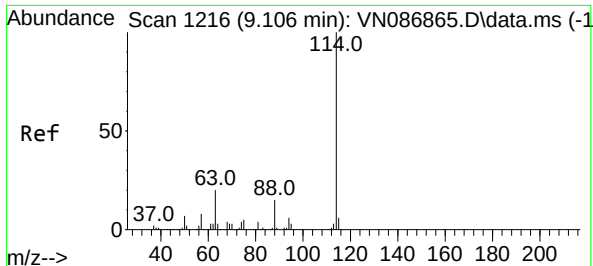
Tgt Ion: 56 Resp: 3600
Ion Ratio Lower Upper
56 100
69 166.2 25.4 38.0#
84 194.0 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 51.555 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087058.D
Acq: 17 Jun 2025 14:43

Tgt Ion: 65 Resp: 138725
Ion Ratio Lower Upper
65 100
67 54.3 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087058.D

Acq: 17 Jun 2025 14:43

Instrument :

MSVOA_N

ClientSampleId :

TP04-MH4-WC

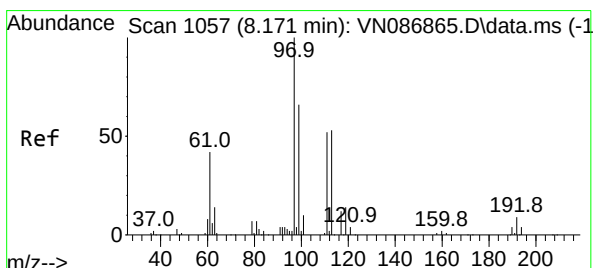
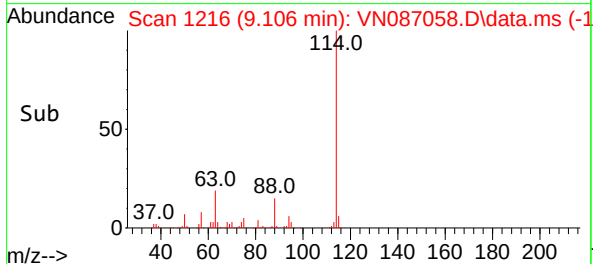
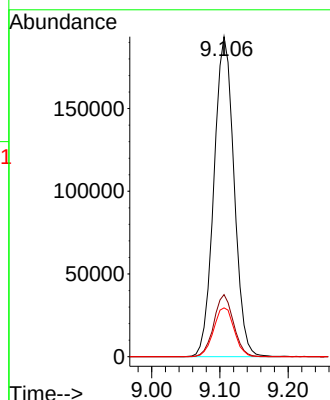
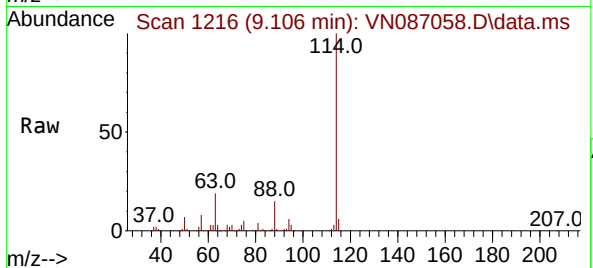
Tgt Ion:114 Resp: 397061

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

88 15.3 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.287 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087058.D

Acq: 17 Jun 2025 14:43

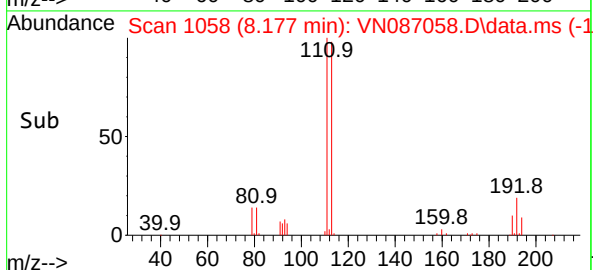
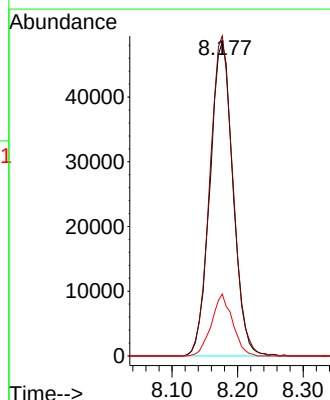
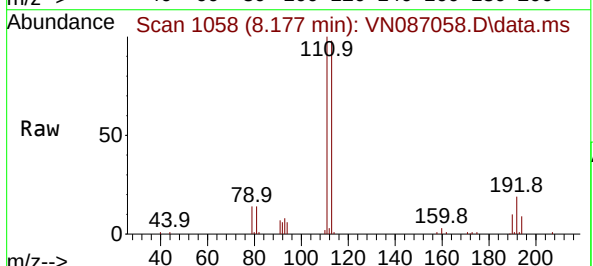
Tgt Ion:113 Resp: 118328

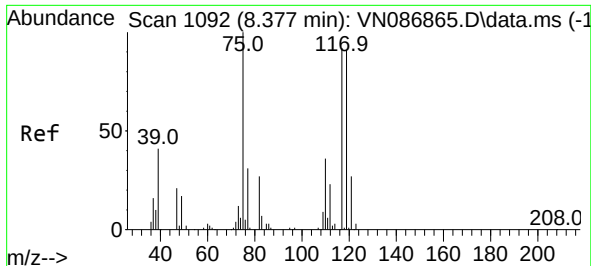
Ion Ratio Lower Upper

113 100

111 101.9 84.2 126.2

192 18.0 14.2 21.4

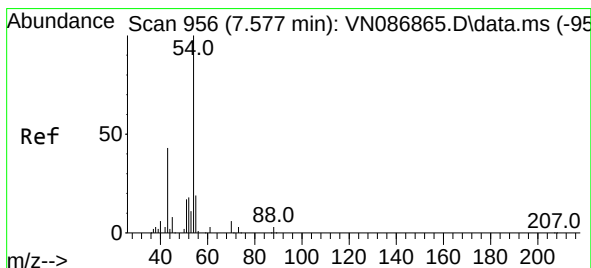
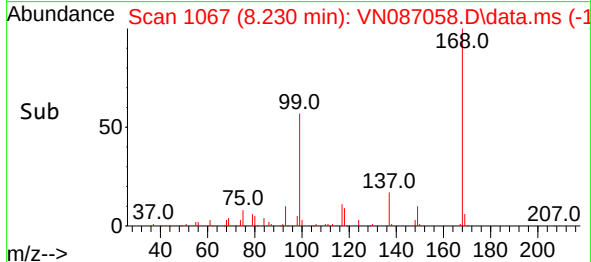
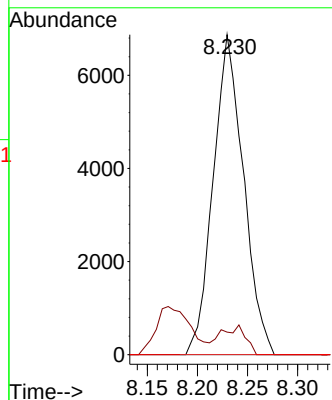
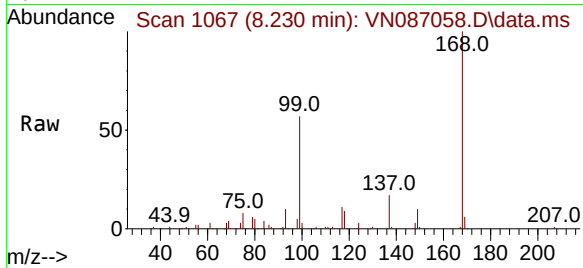




#36
1,1-Dichloropropene
Concen: 4.116 ug/l
RT: 8.230 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN087058.D
Acq: 17 Jun 2025 14:43

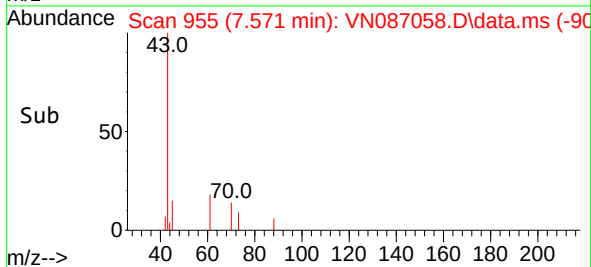
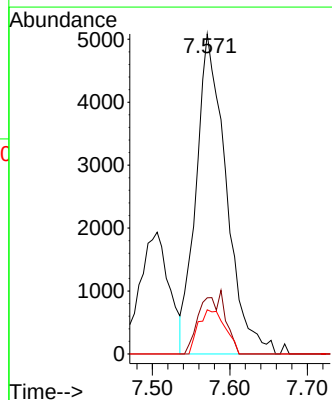
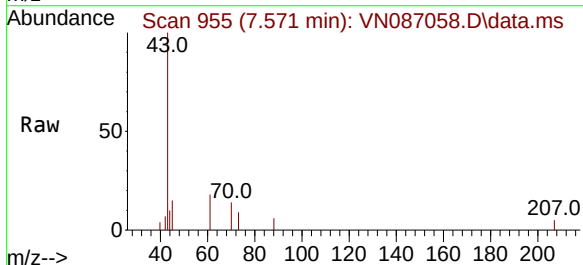
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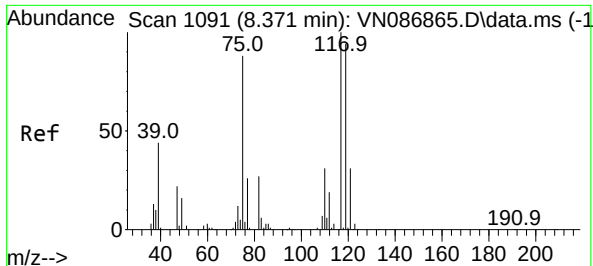
Tgt Ion: 75 Resp: 14432
Ion Ratio Lower Upper
75 100
110 7.6 17.6 52.9#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 3.069 ug/l
RT: 7.571 min Scan# 955
Delta R.T. -0.006 min
Lab File: VN087058.D
Acq: 17 Jun 2025 14:43

Tgt Ion: 43 Resp: 13699
Ion Ratio Lower Upper
43 100
61 16.7 12.1 18.1
70 12.3 9.8 14.6

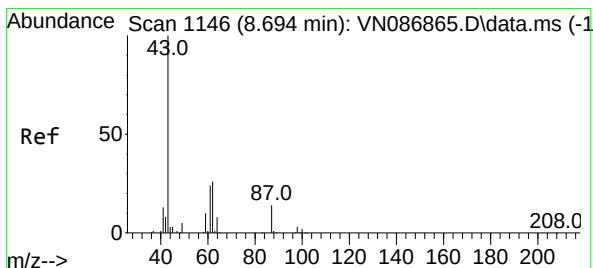
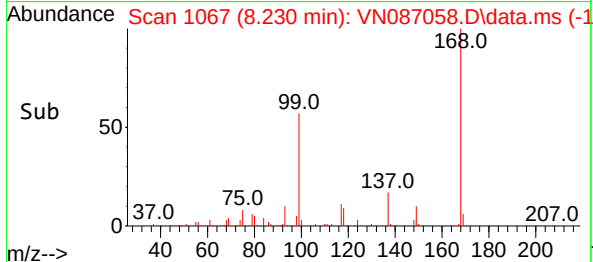
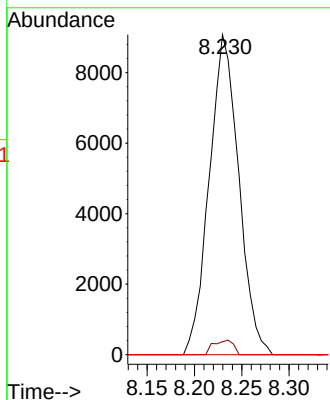
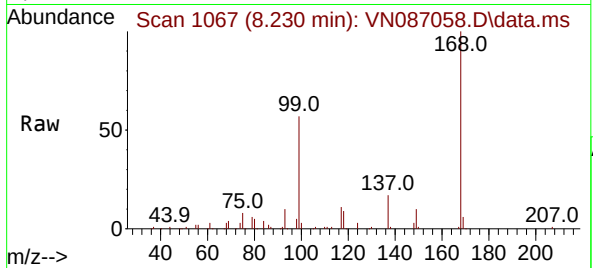




#38
Carbon Tetrachloride
Concen: 5.723 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN087058.D
Acq: 17 Jun 2025 14:43

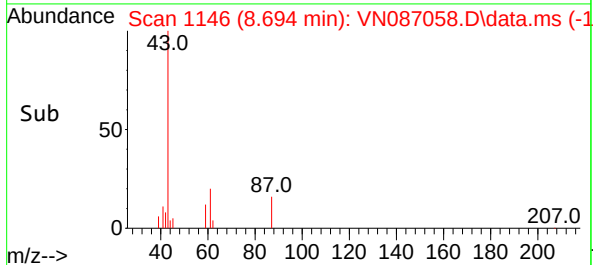
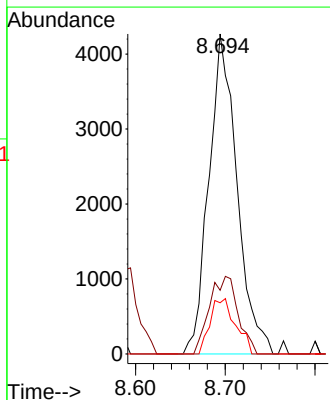
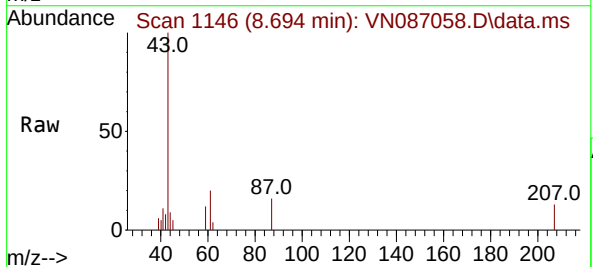
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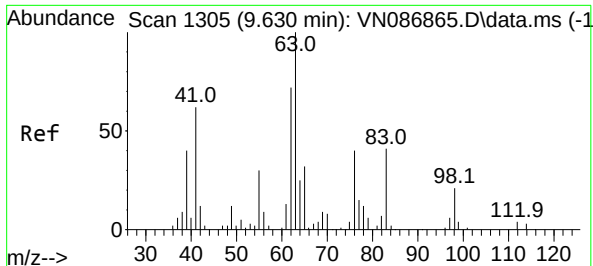
Tgt Ion:117 Resp: 19700
Ion Ratio Lower Upper
117 100
119 4.0 75.0 112.6#
121 0.0 24.9 37.3#



#43
Isopropyl Acetate
Concen: 1.298 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN087058.D
Acq: 17 Jun 2025 14:43

Tgt Ion: 43 Resp: 9296
Ion Ratio Lower Upper
43 100
61 24.6 22.1 33.1
87 15.6 11.8 17.6





#45

1,2-Dichloropropane

Concen: 0.387 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN087058.D

Acq: 17 Jun 2025 14:43

Instrument :

MSVOA_N

ClientSampleId :

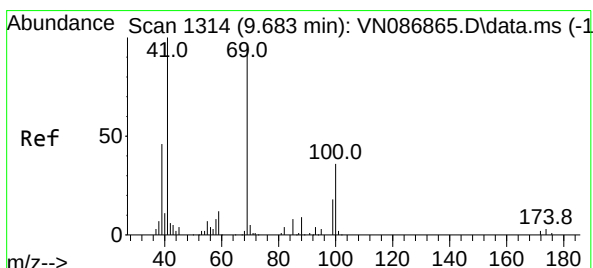
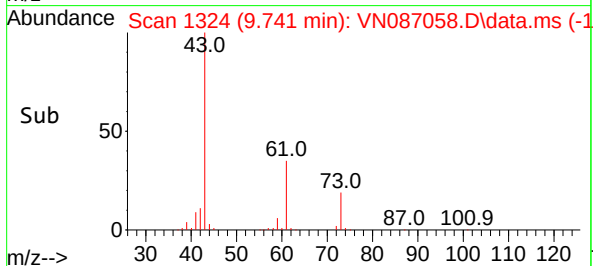
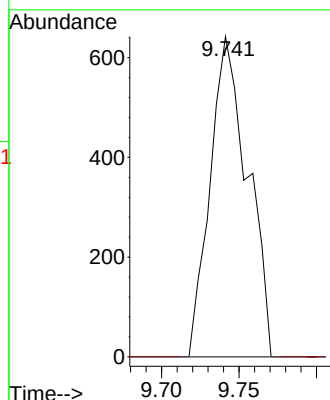
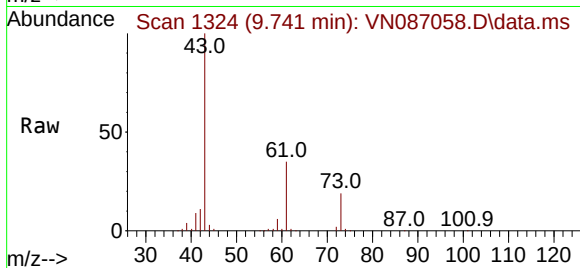
TP04-MH4-WC

Tgt Ion: 63 Resp: 1080

Ion Ratio Lower Upper

63 100

65 0.0 25.5 38.3#



#48

Methyl methacrylate

Concen: 19.186 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN087058.D

Acq: 17 Jun 2025 14:43

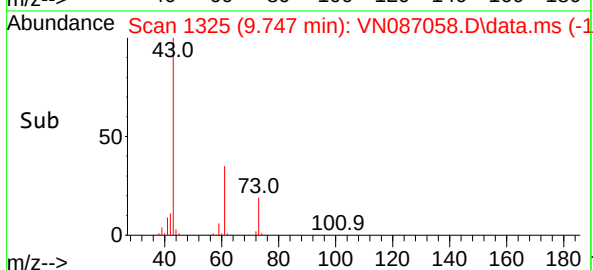
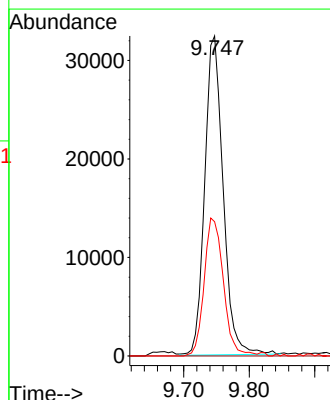
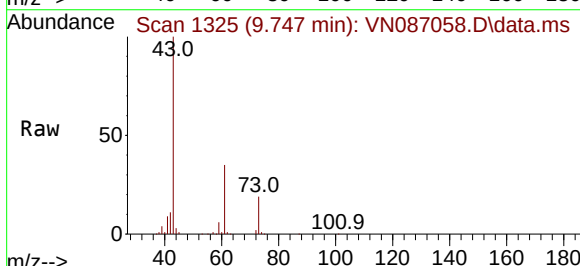
Tgt Ion: 41 Resp: 63264

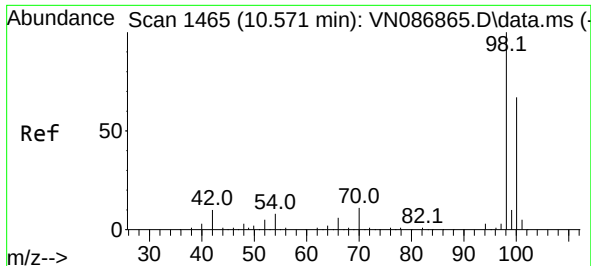
Ion Ratio Lower Upper

41 100

69 0.0 74.6 112.0#

39 45.2 40.2 60.4

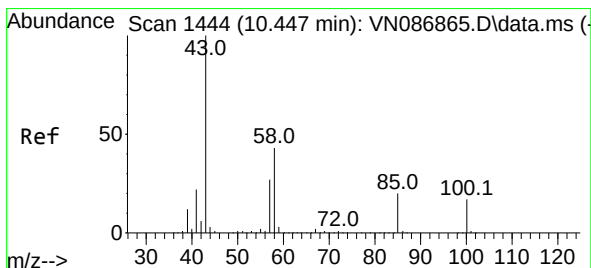
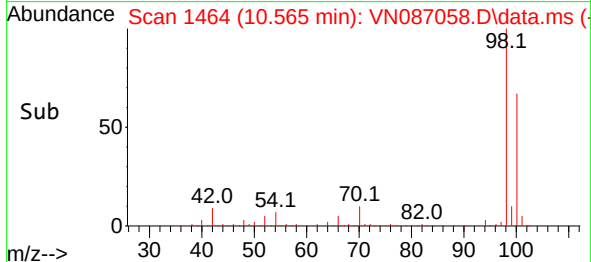
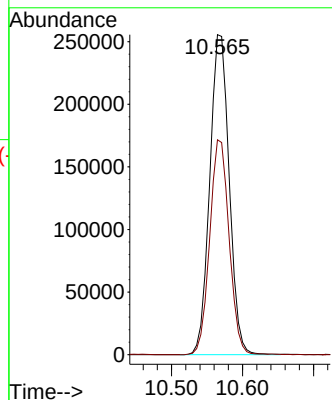
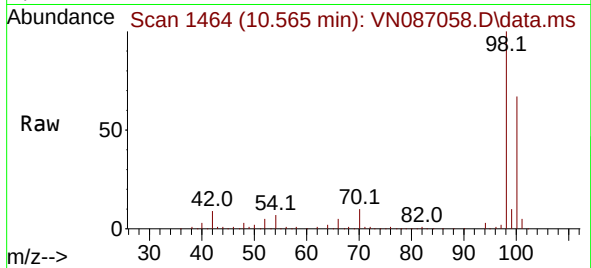




#50
Toluene-d8
Concen: 52.160 ug/l
RT: 10.565 min Scan# 1465
Delta R.T. -0.006 min
Lab File: VN087058.D
Acq: 17 Jun 2025 14:43

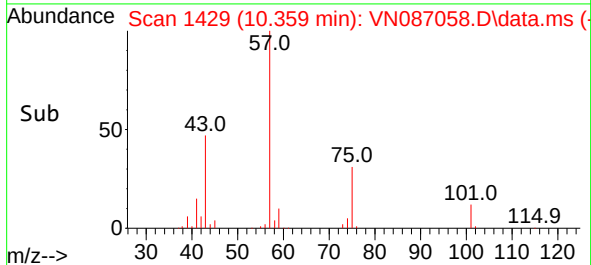
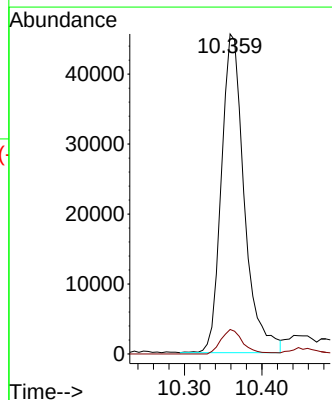
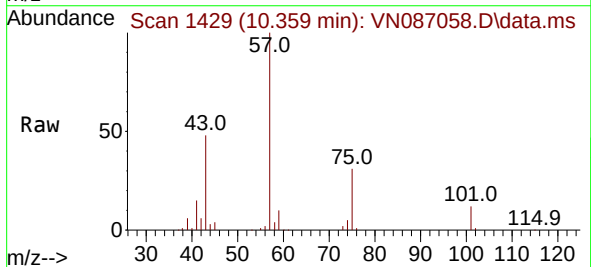
Instrument :
MSVOA_N
ClientSampleId :
TP04-MH4-WC

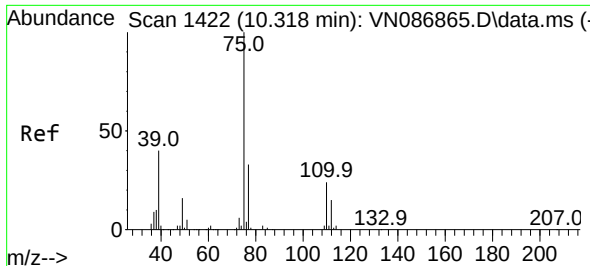
Tgt Ion: 98 Resp: 485883
Ion Ratio Lower Upper
98 100
100 67.0 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 21.723 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN087058.D
Acq: 17 Jun 2025 14:43

Tgt Ion: 43 Resp: 93685
Ion Ratio Lower Upper
43 100
58 7.4 34.2 51.4#

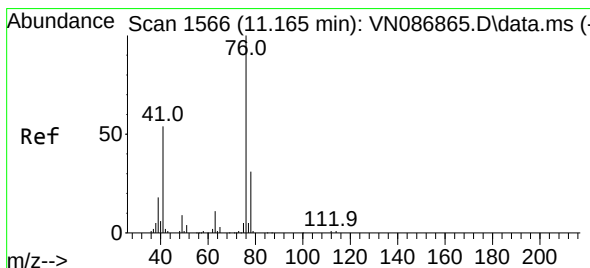
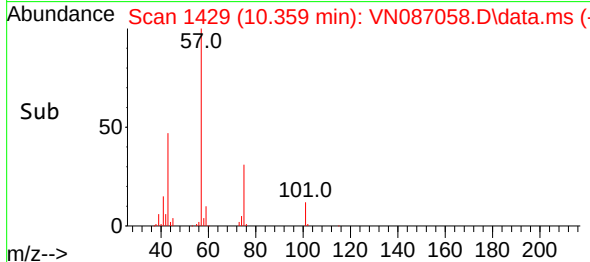
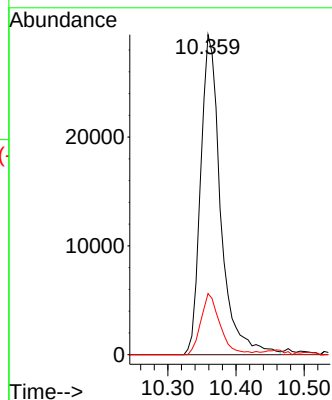
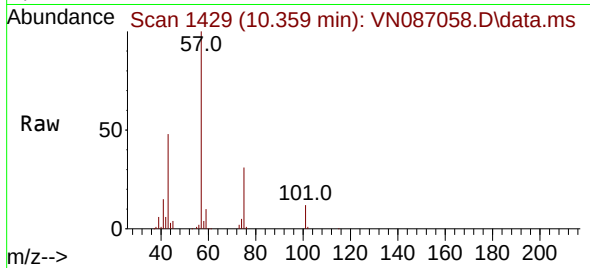




#54
 cis-1,3-Dichloropropene
 Concen: 13.184 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN087058.D
 Acq: 17 Jun 2025 14:43

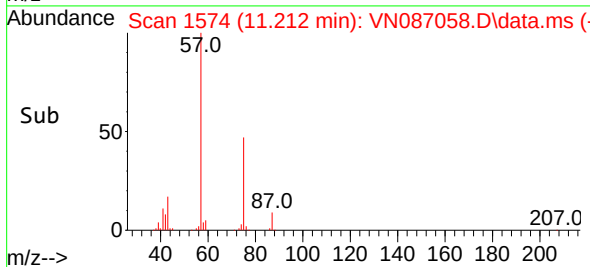
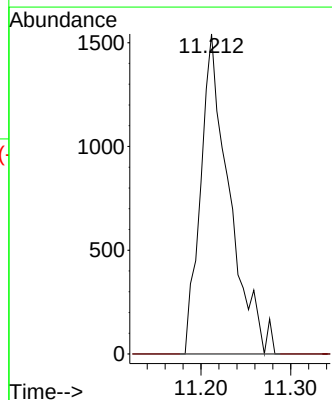
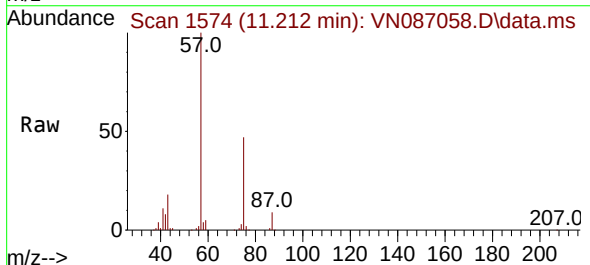
Instrument :
 MSVOA_N
 ClientSampleId :
 TP04-MH4-WC

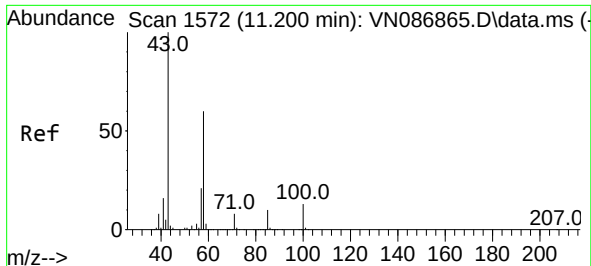
Tgt Ion: 75 Resp: 60130
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.2 39.4#
 39 19.1 32.3 48.5#



#57
 1,3-Dichloropropane
 Concen: 0.731 ug/l
 RT: 11.212 min Scan# 1574
 Delta R.T. 0.047 min
 Lab File: VN087058.D
 Acq: 17 Jun 2025 14:43

Tgt Ion: 76 Resp: 3421
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.3 37.9#

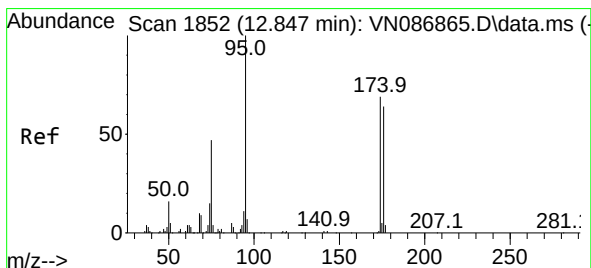
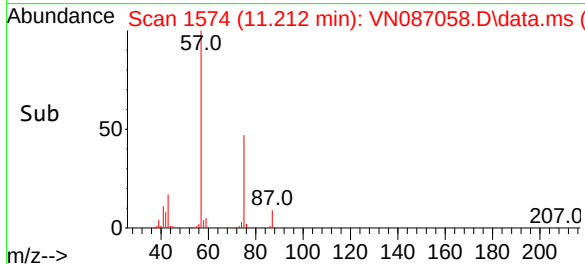
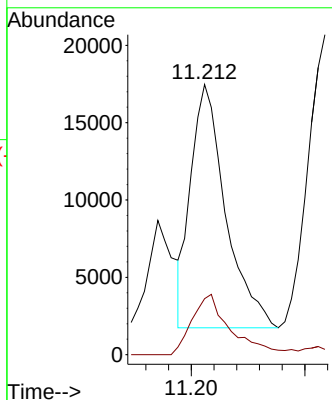
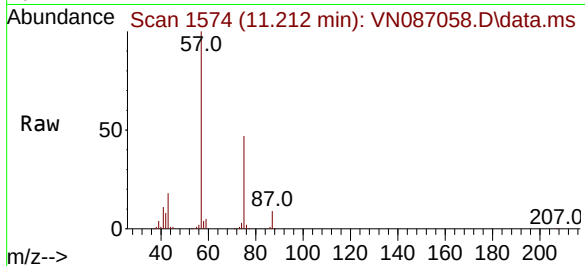




#59
2-Hexanone
Concen: 12.100 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN087058.D
Acq: 17 Jun 2025 14:43

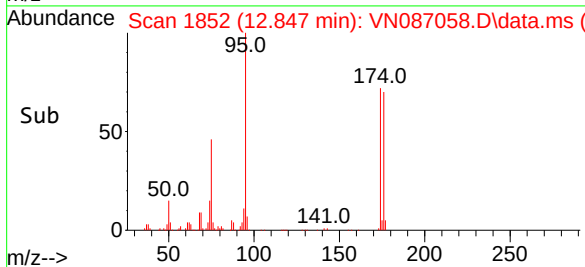
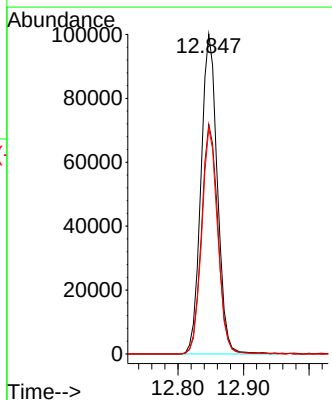
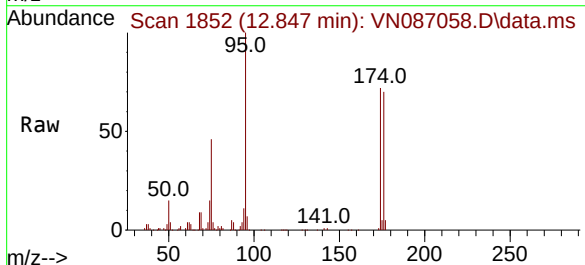
Instrument :
MSVOA_N
ClientSampleId :
TP04-MH4-WC

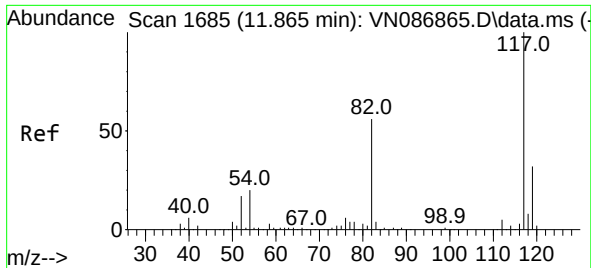
Tgt Ion: 43 Resp: 33615
Ion Ratio Lower Upper
43 100
58 27.0 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 50.249 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087058.D
Acq: 17 Jun 2025 14:43

Tgt Ion: 95 Resp: 173904
Ion Ratio Lower Upper
95 100
174 71.8 0.0 141.8
176 68.6 0.0 132.6

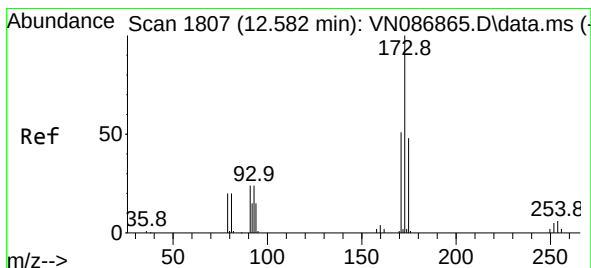
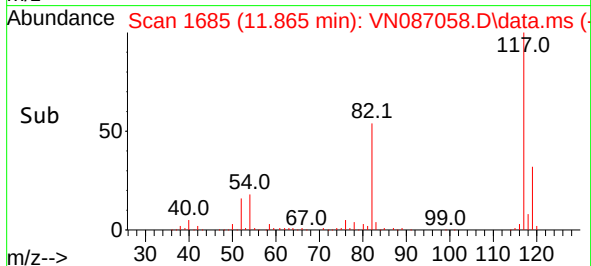
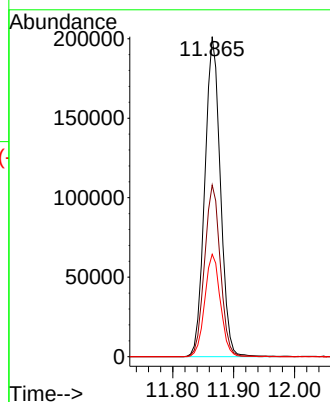
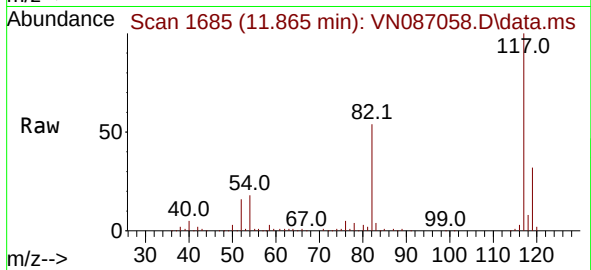




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087058.D
Acq: 17 Jun 2025 14:43

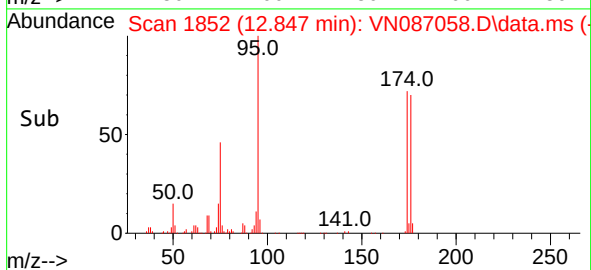
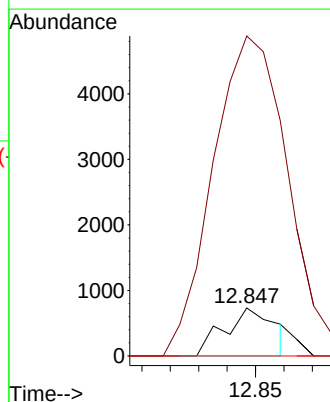
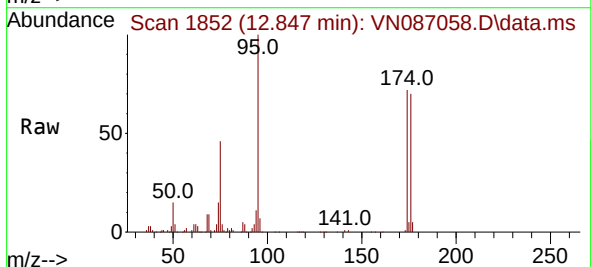
Instrument :
MSVOA_N
ClientSampleId :
TP04-MH4-WC

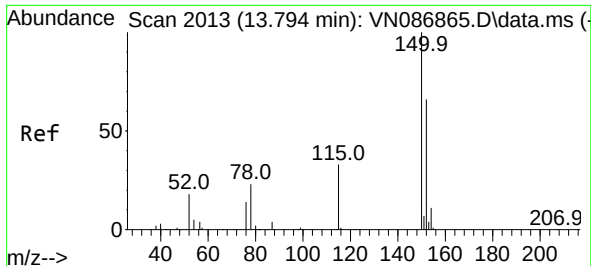
Tgt Ion:117 Resp: 357207
Ion Ratio Lower Upper
117 100
82 53.7 44.6 67.0
119 32.0 25.5 38.3



#71
Bromoform
Concen: 0.482 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN087058.D
Acq: 17 Jun 2025 14:43

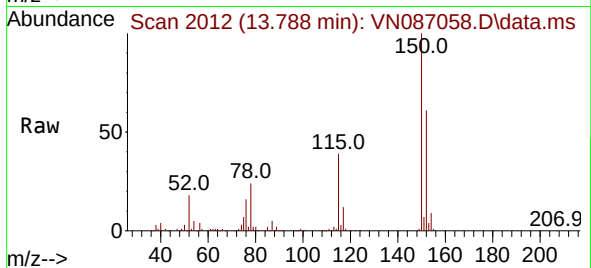
Tgt Ion:173 Resp: 904
Ion Ratio Lower Upper
173 100
175 864.0 24.1 72.4#
254 0.0 0.0 0.0



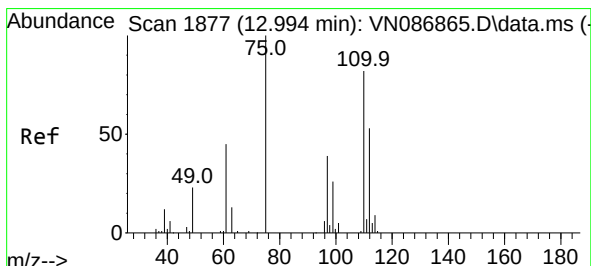
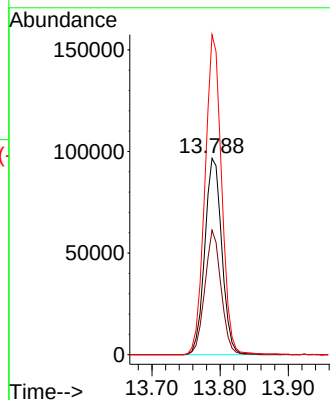
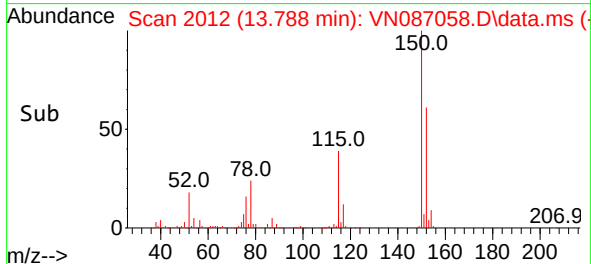


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN087058.D
Acq: 17 Jun 2025 14:43

Instrument :
MSVOA_N
ClientSampleId :
TP04-MH4-WC

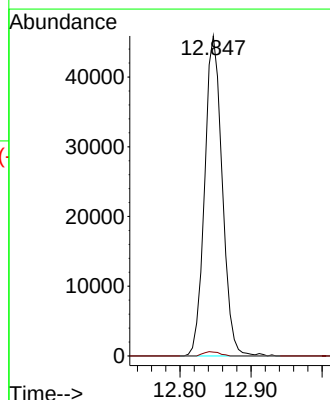
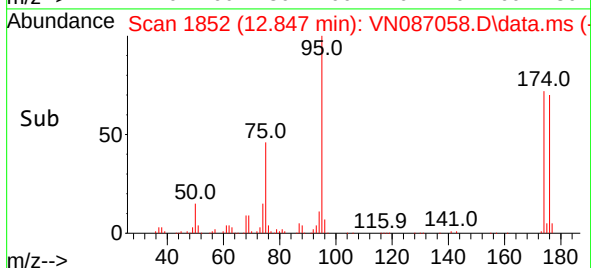
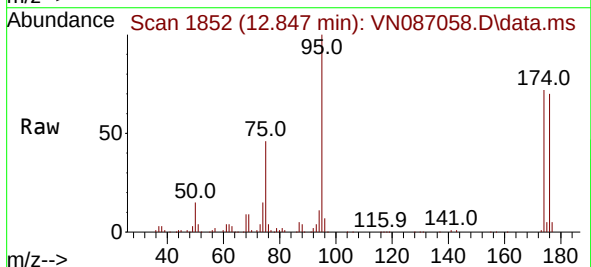


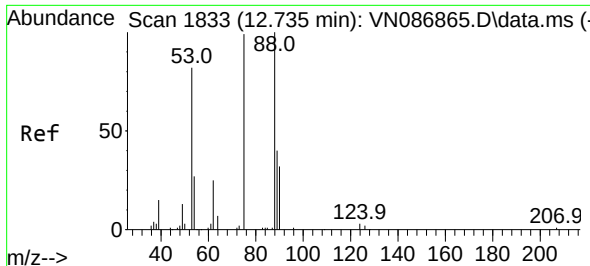
Tgt Ion:152 Resp: 168118
Ion Ratio Lower Upper
152 100
115 60.4 30.1 90.5
150 159.0 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 19.811 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087058.D
Acq: 17 Jun 2025 14:43

Tgt Ion: 75 Resp: 79168
Ion Ratio Lower Upper
75 100
77 1.3 79.3 237.9#

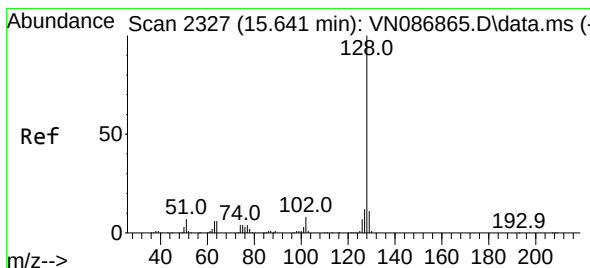
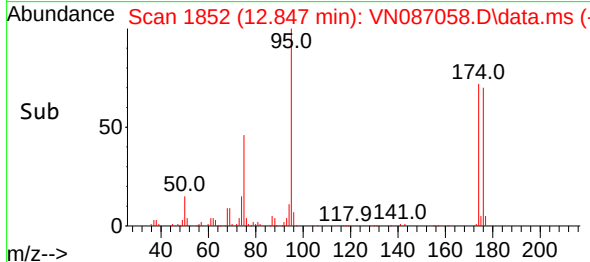
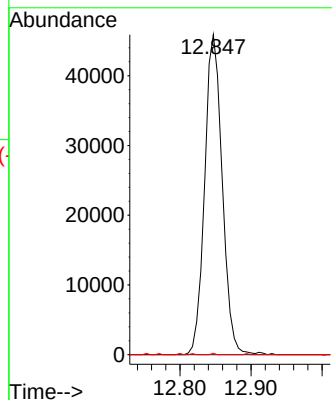
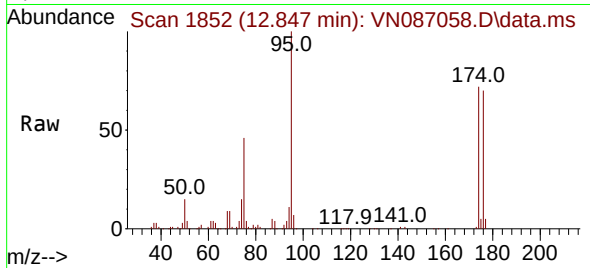




#81
trans-1,4-Dichloro-2-butene
Concen: 45.603 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087058.D
Acq: 17 Jun 2025 14:43

Instrument :
MSVOA_N
ClientSampleId :
TP04-MH4-WC

Tgt Ion: 75 Resp: 79168
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.1 36.7 55.1#



#95
Naphthalene
Concen: 0.636 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN087058.D
Acq: 17 Jun 2025 14:43

Tgt Ion: 128 Resp: 8021
Ion Ratio Lower Upper
128 100
127 11.5 10.2 15.2
129 13.6 8.8 13.2#

