

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051925\
 Data File : VN086693.D
 Acq On : 19 May 2025 16:40
 Operator : JC\MD
 Sample : PB168034ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168034ZHE#10

Quant Time: May 20 03:21:17 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)

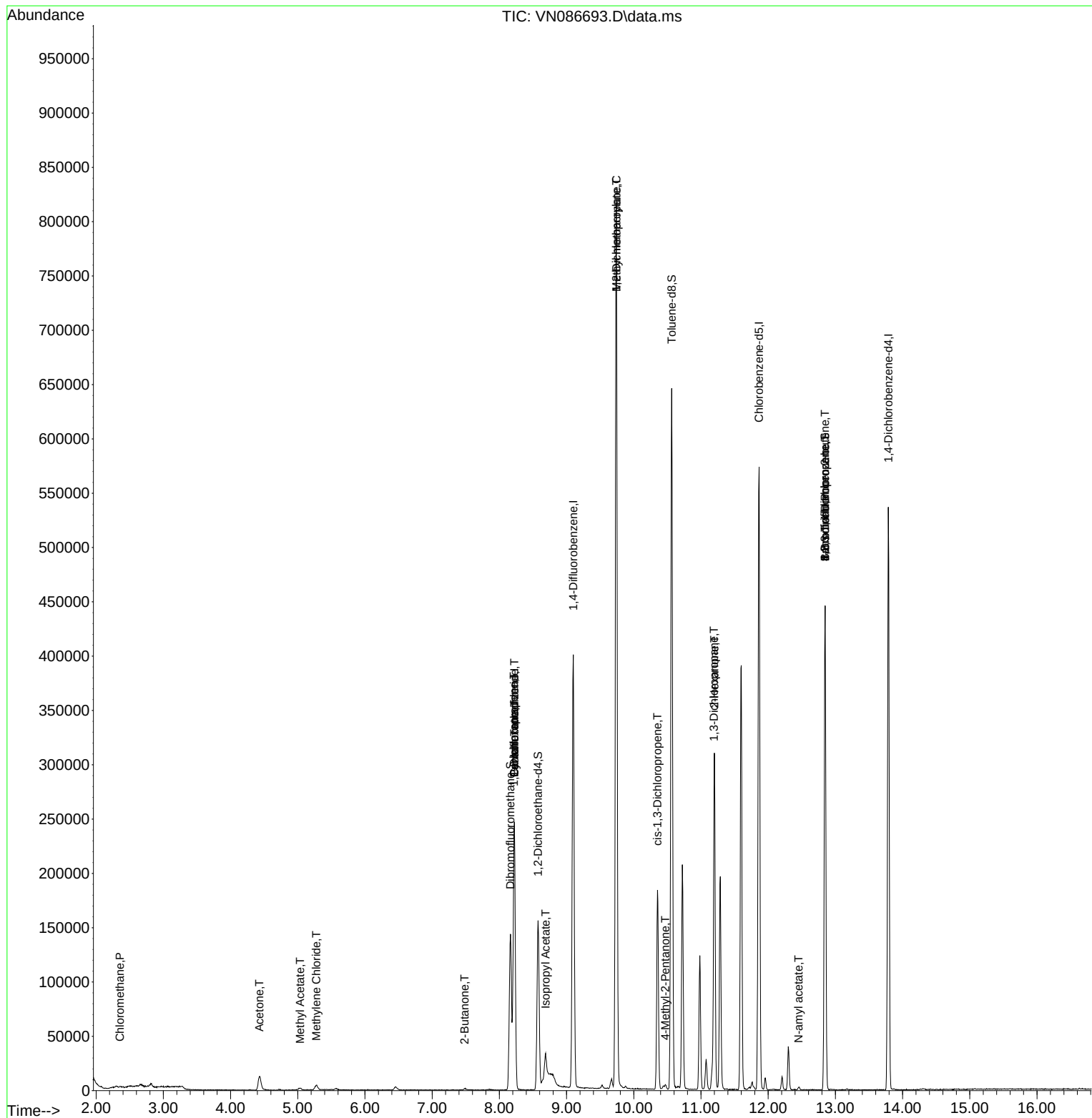
Internal Standards						
1) Pentafluorobenzene	8.224	168	182345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	355853	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	344525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	145901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129729	51.486	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.980%			
35) Dibromofluoromethane	8.165	113	109108	51.484	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.960%			
50) Toluene-d8	10.565	98	463082	52.729	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.460%			
62) 4-Bromofluorobenzene	12.847	95	164848	53.160	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.320%			
Target Compounds					Qvalue	
3) Chloromethane	2.353	50	743	0.249	ug/l #	42
16) Acetone	4.430	43	25737	27.306	ug/l	98
18) Methyl Acetate	5.036	43	4091	1.551	ug/l #	84
20) Methylene Chloride	5.277	84	3564	1.433	ug/l	88
25) 2-Butanone	7.482	43	1284	0.882	ug/l #	76
31) Cyclohexane	8.224	56	3859	1.020	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14875	4.758	ug/l #	48
38) Carbon Tetrachloride	8.224	117	18329	5.951	ug/l #	17
43) Isopropyl Acetate	8.688	43	58863	9.299	ug/l #	70
45) 1,2-Dichloropropane	9.741	63	990	0.409	ug/l #	42
48) Methyl methacrylate	9.741	41	71268	29.054	ug/l #	37
51) 4-Methyl-2-Pentanone	10.470	43	6409	2.008	ug/l #	33
54) cis-1,3-Dichloropropene	10.353	75	35751	9.184	ug/l #	57
57) 1,3-Dichloropropane	11.194	76	3481	0.855	ug/l #	42
59) 2-Hexanone	11.200	43	57451	24.645	ug/l #	41
71) Bromoform	12.847	173	938	0.541	ug/l #	1
74) N-amyl acetate	12.453	43	2758	0.586	ug/l #	41
76) 1,2,3-Trichloropropane	12.847	75	80979	24.541	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	80979	61.934	ug/l #	15

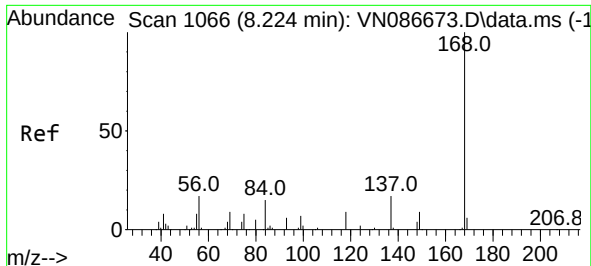
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

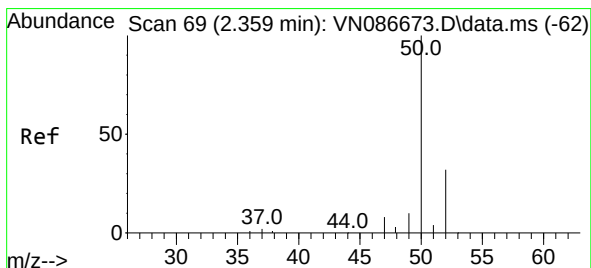
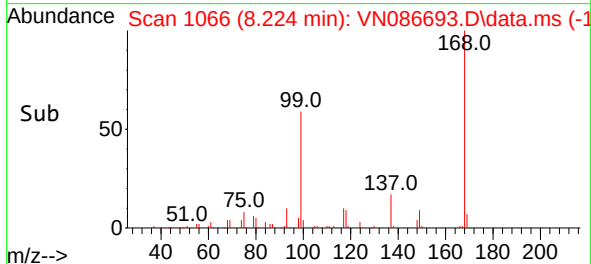
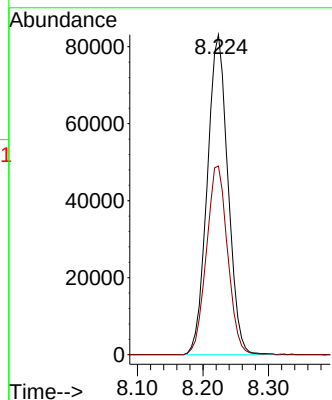
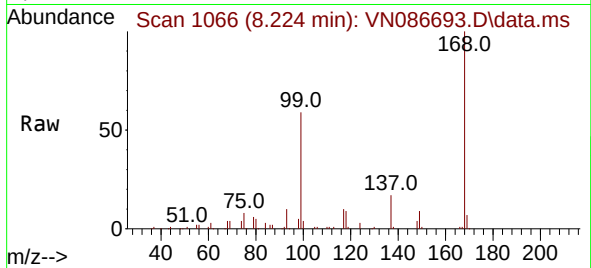




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086693.D
Acq: 19 May 2025 16:40

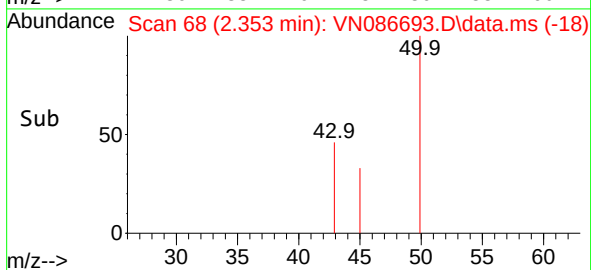
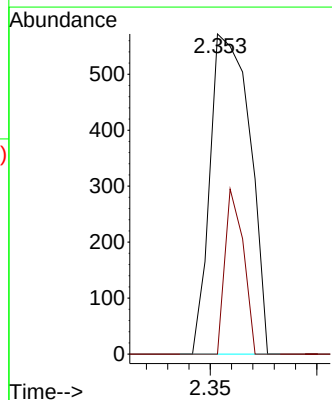
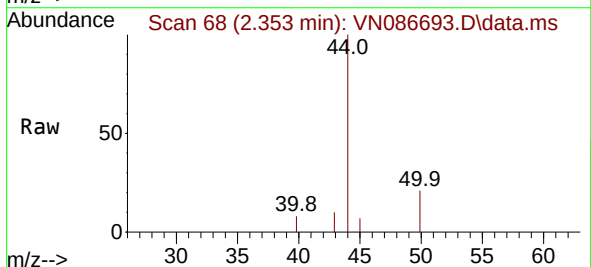
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#10

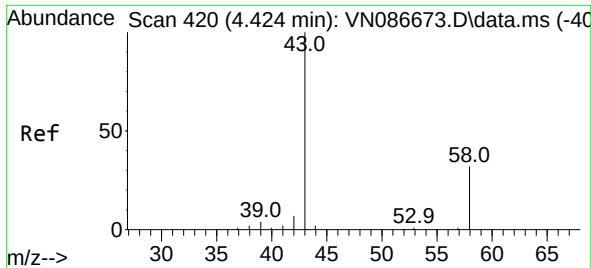
Tgt Ion:168 Resp: 182345
Ion Ratio Lower Upper
168 100
99 59.0 47.0 70.4



#3
Chloromethane
Concen: 0.249 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN086693.D
Acq: 19 May 2025 16:40

Tgt Ion: 50 Resp: 743
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

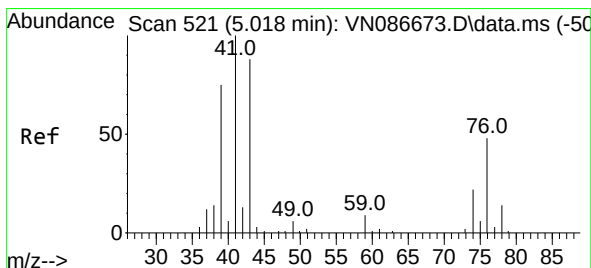
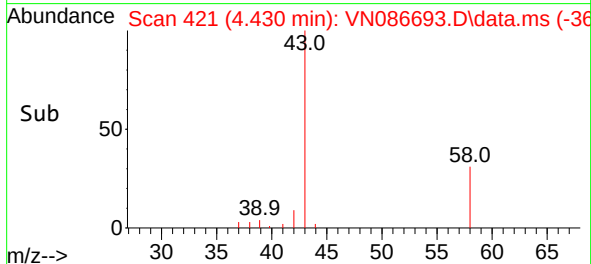
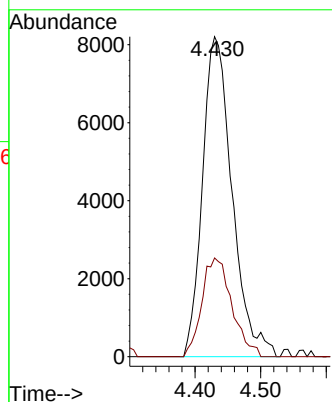
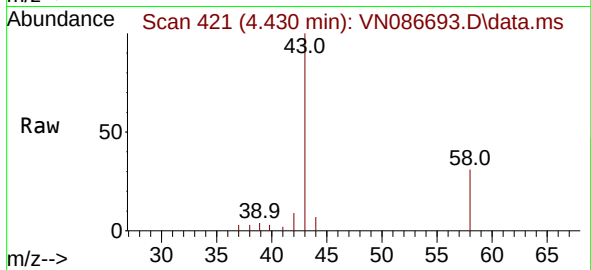




#16
Acetone
Concen: 27.306 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086693.D
Acq: 19 May 2025 16:40

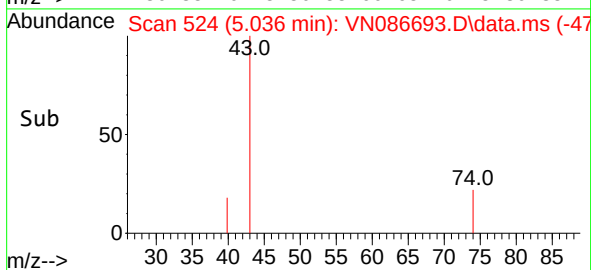
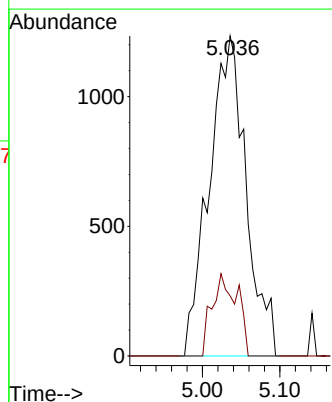
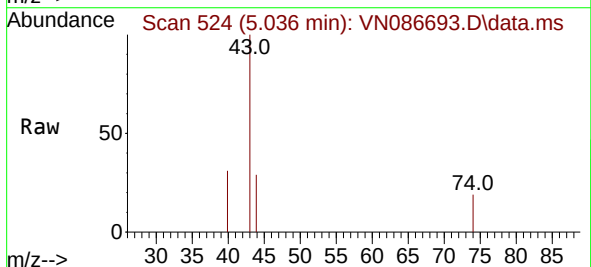
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#10

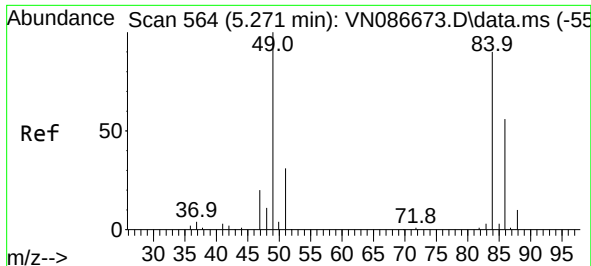
Tgt Ion: 43 Resp: 25737
Ion Ratio Lower Upper
43 100
58 30.9 25.8 38.6



#18
Methyl Acetate
Concen: 1.551 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.017 min
Lab File: VN086693.D
Acq: 19 May 2025 16:40

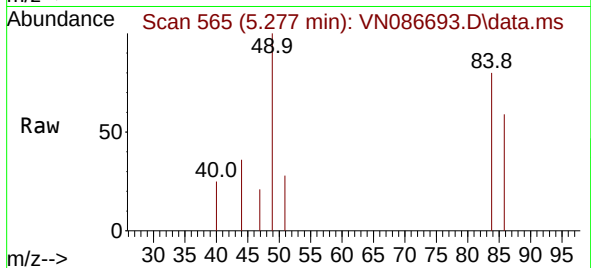
Tgt Ion: 43 Resp: 4091
Ion Ratio Lower Upper
43 100
74 17.5 20.5 30.7#



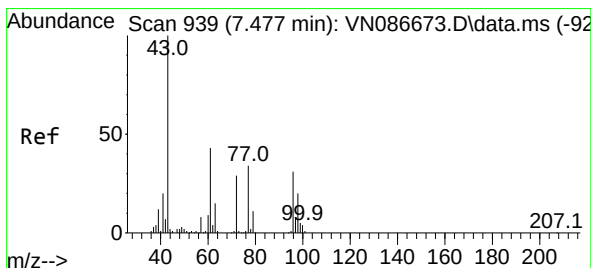
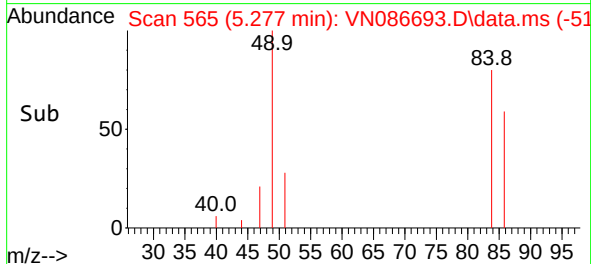
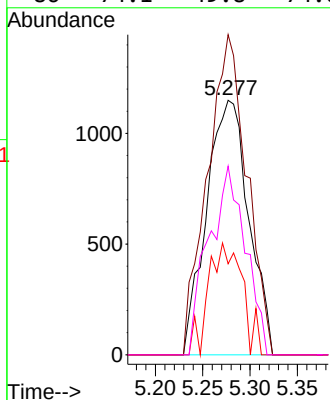


#20
Methylene Chloride
Concen: 1.433 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086693.D
Acq: 19 May 2025 16:40

Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#10

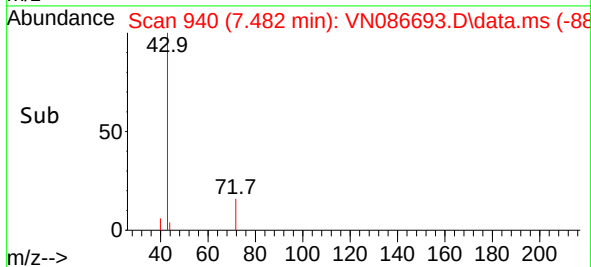
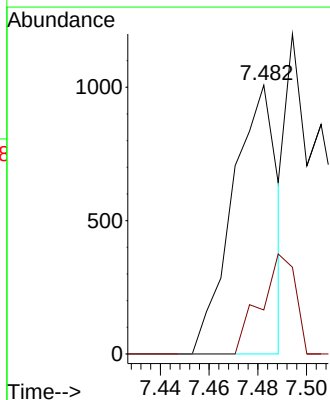
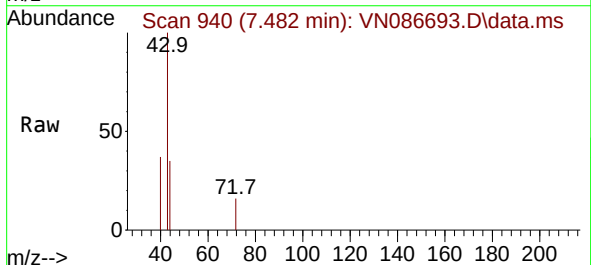


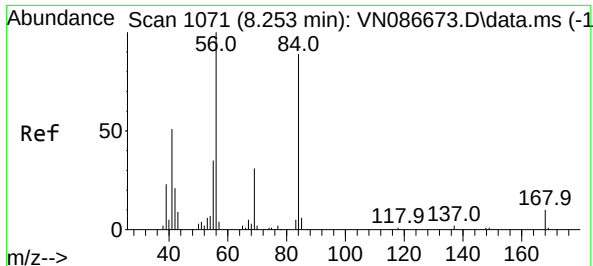
Tgt Ion: 84	Resp: 3564
Ion Ratio	Lower Upper
84 100	
49 125.7	88.8 133.2
51 35.7	27.8 41.6
86 74.1	49.8 74.6



#25
2-Butanone
Concen: 0.882 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086693.D
Acq: 19 May 2025 16:40

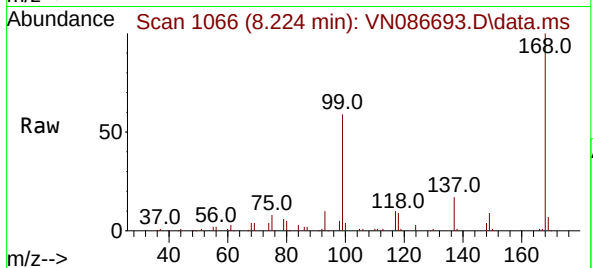
Tgt Ion: 43	Resp: 1284
Ion Ratio	Lower Upper
43 100	
72 16.4	23.1 34.7#



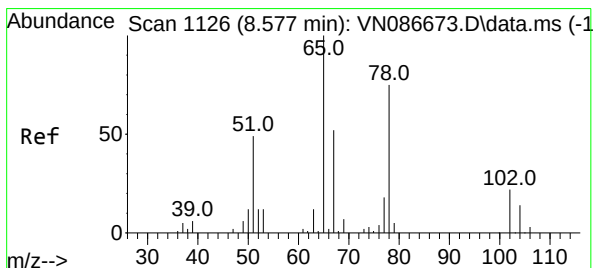
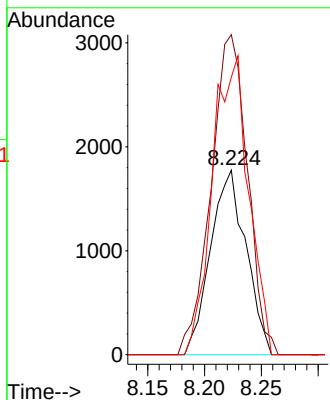
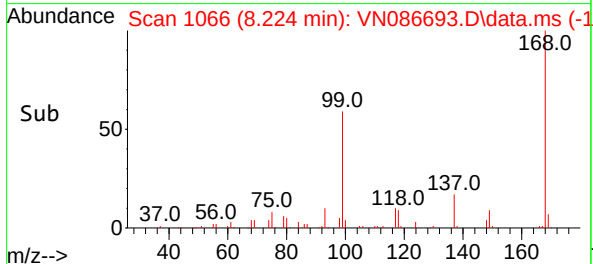


#31
Cyclohexane
Concen: 1.020 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086693.D
Acq: 19 May 2025 16:40

Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#10

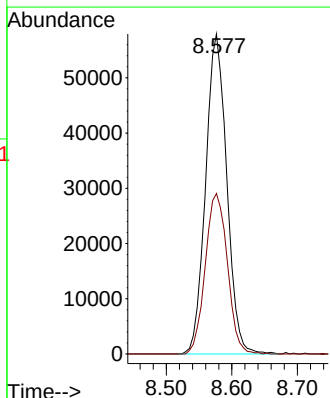
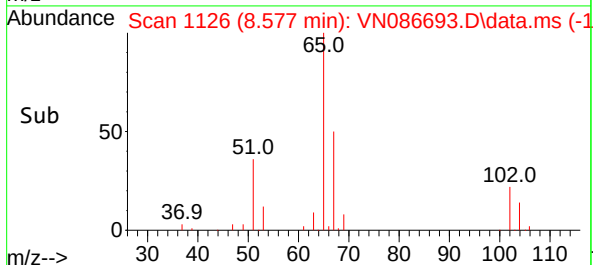
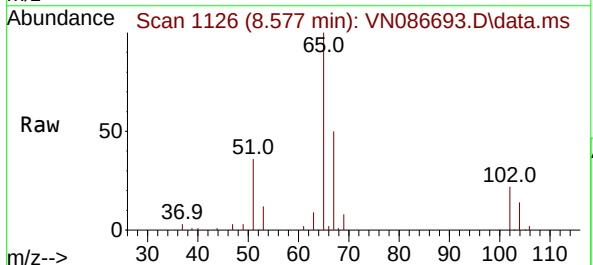


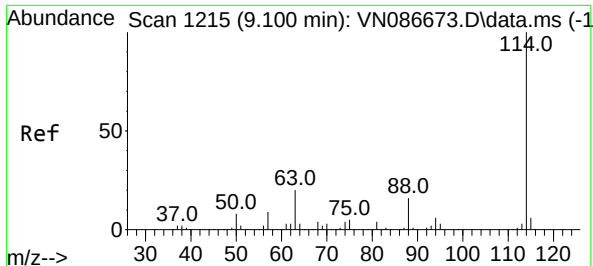
Tgt Ion: 56 Resp: 3859
Ion Ratio Lower Upper
56 100
69 173.5 25.0 37.6#
84 150.4 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 51.486 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086693.D
Acq: 19 May 2025 16:40

Tgt Ion: 65 Resp: 129729
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086693.D

Acq: 19 May 2025 16:40

Instrument :

MSVOA_N

ClientSampleId :

PB168034ZHE#10

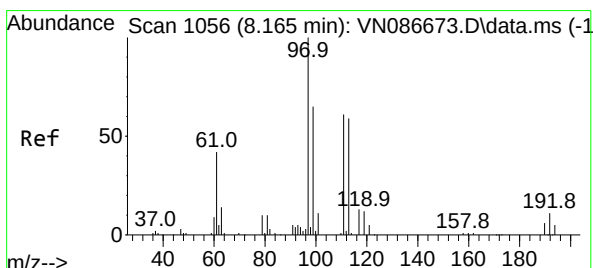
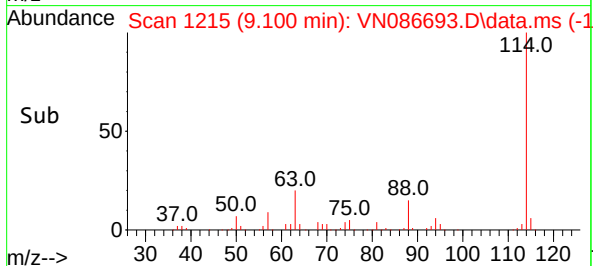
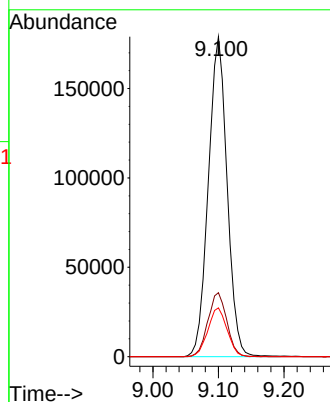
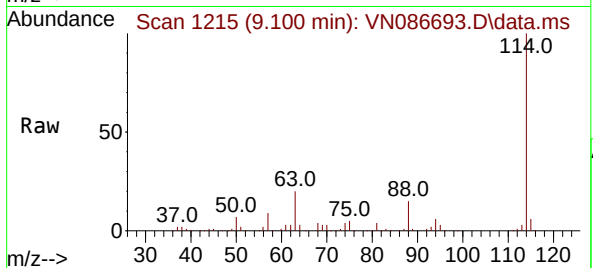
Tgt Ion:114 Resp: 355853

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.2

88 15.2 0.0 31.2



#35

Dibromofluoromethane

Concen: 51.484 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086693.D

Acq: 19 May 2025 16:40

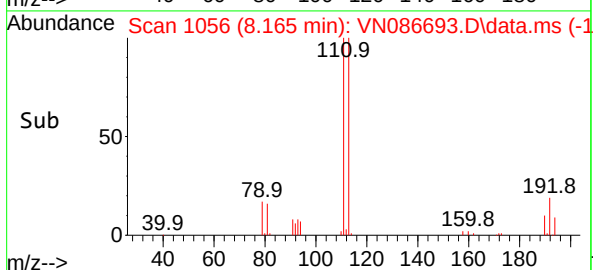
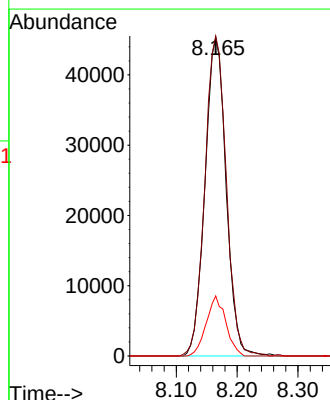
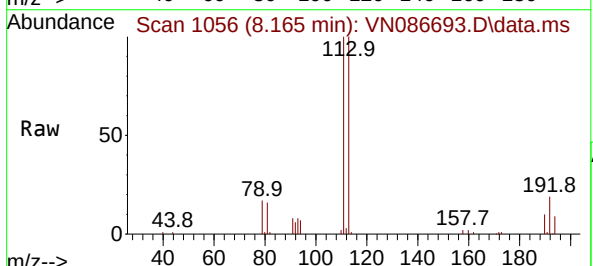
Tgt Ion:113 Resp: 109108

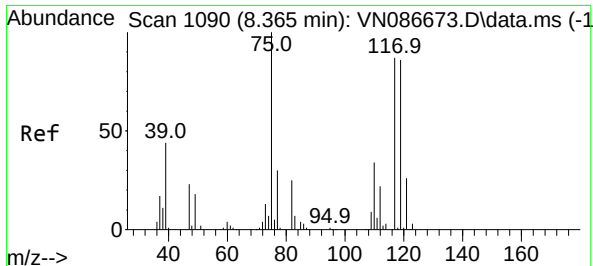
Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.2

192 17.5 13.8 20.8

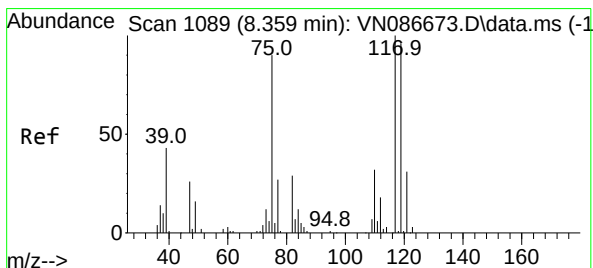
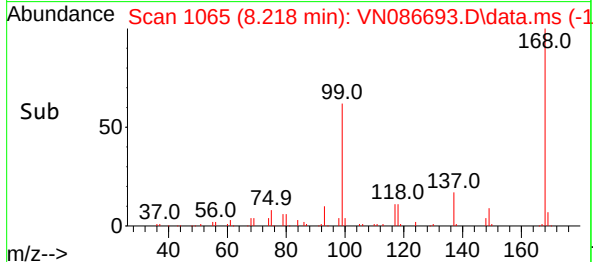
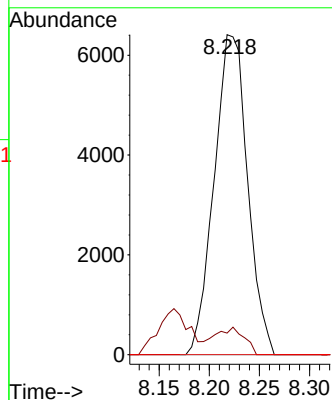
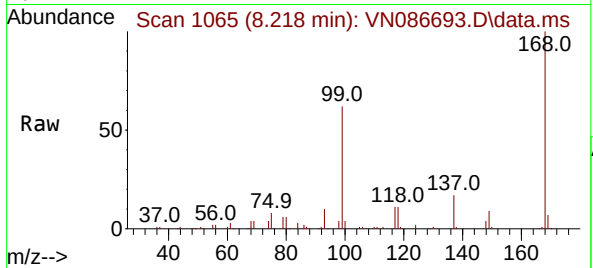




#36
1,1-Dichloropropene
Concen: 4.758 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086693.D
Acq: 19 May 2025 16:40

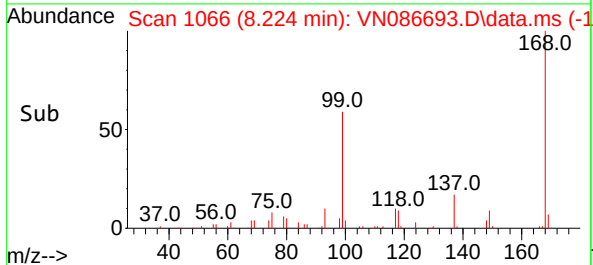
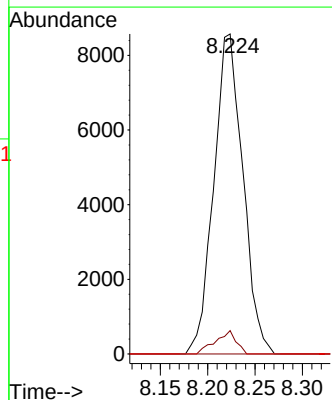
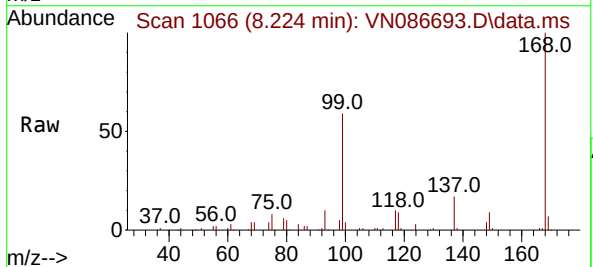
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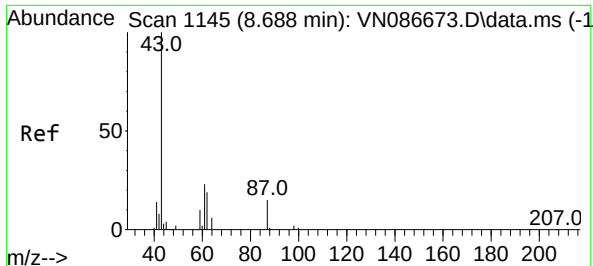
Tgt Ion: 75 Resp: 14875
Ion Ratio Lower Upper
75 100
110 7.5 17.5 52.5#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.951 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN086693.D
Acq: 19 May 2025 16:40

Tgt Ion: 117 Resp: 18329
Ion Ratio Lower Upper
117 100
119 7.3 77.0 115.6#
121 0.0 25.0 37.6#

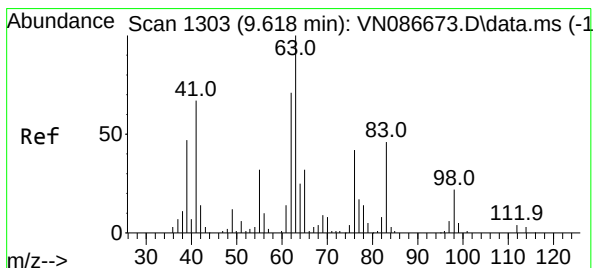
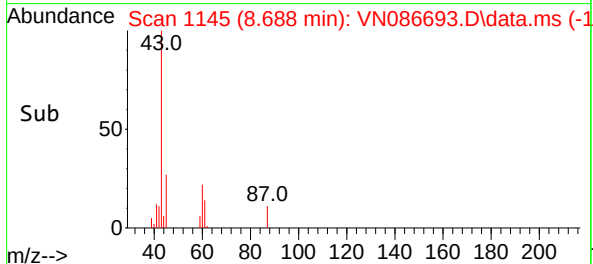
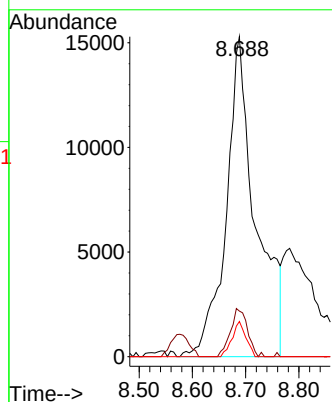
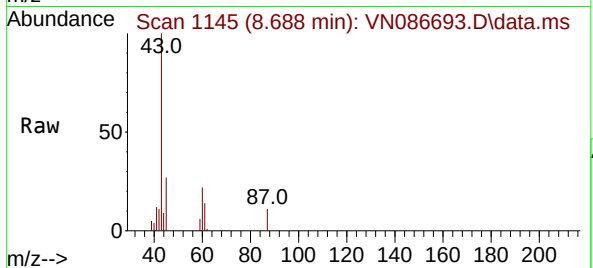




#43
Isopropyl Acetate
Concen: 9.299 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN086693.D
Acq: 19 May 2025 16:40

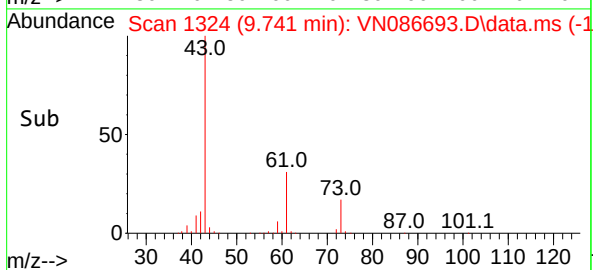
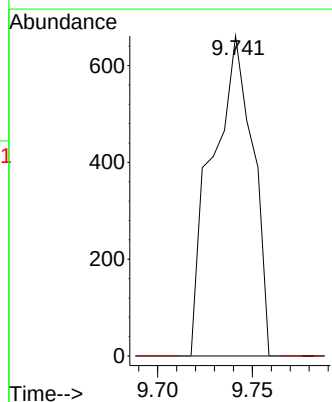
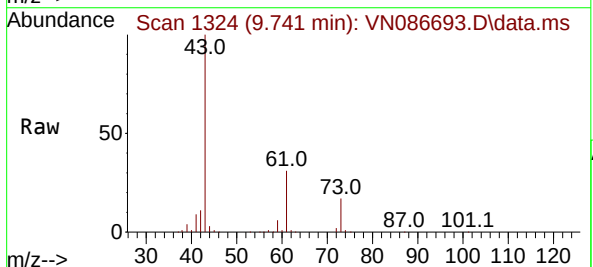
Instrument :
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PB168034ZHE#10

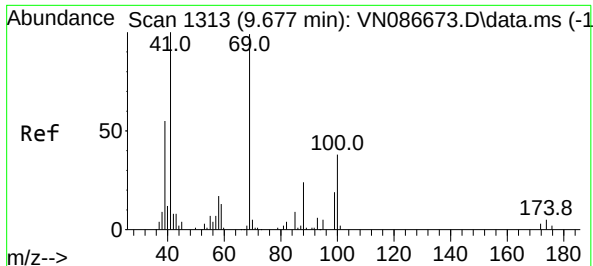
Tgt Ion: 43 Resp: 58863
Ion Ratio Lower Upper
43 100
61 8.7 21.4 32.2#
87 5.1 11.1 16.7#



#45
1,2-Dichloropropane
Concen: 0.409 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN086693.D
Acq: 19 May 2025 16:40

Tgt Ion: 63 Resp: 990
Ion Ratio Lower Upper
63 100
65 0.0 25.8 38.6#

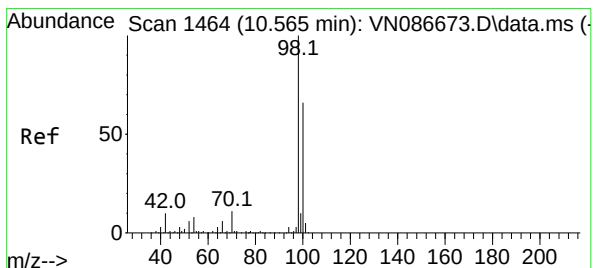
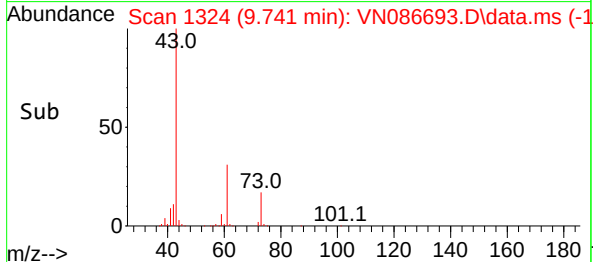
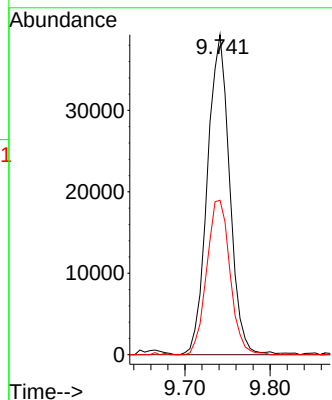
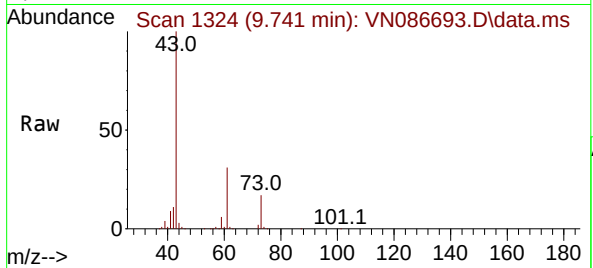




#48
Methyl methacrylate
Concen: 29.054 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN086693.D
Acq: 19 May 2025 16:40

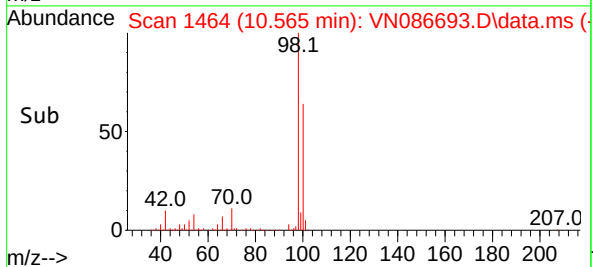
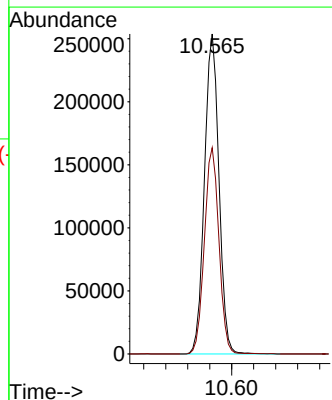
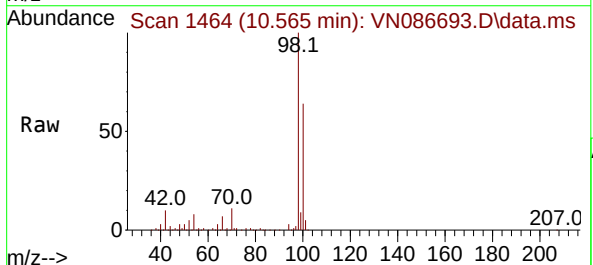
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#10

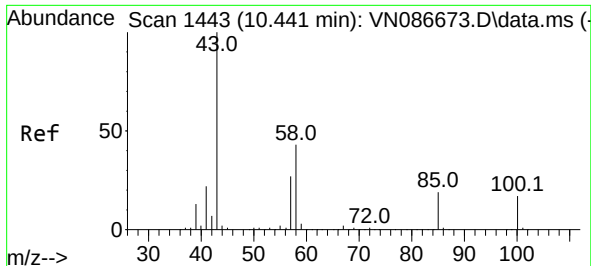
Tgt Ion: 41 Resp: 71268
Ion Ratio Lower Upper
41 100
69 0.0 74.1 111.1#
39 50.4 44.1 66.1



#50
Toluene-d8
Concen: 52.729 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086693.D
Acq: 19 May 2025 16:40

Tgt Ion: 98 Resp: 463082
Ion Ratio Lower Upper
98 100
100 64.9 52.9 79.3

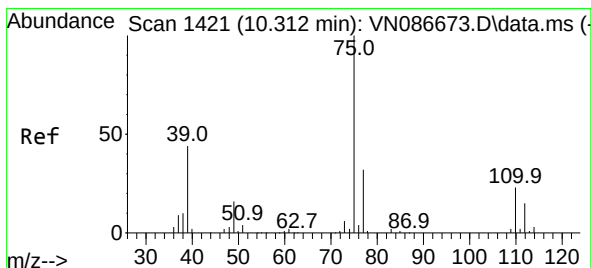
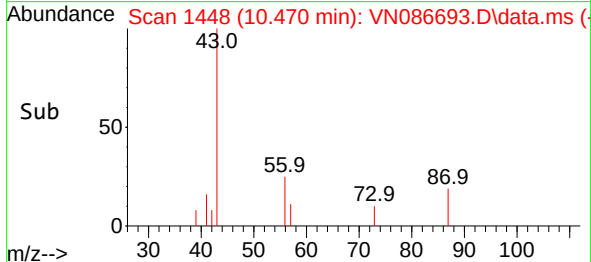
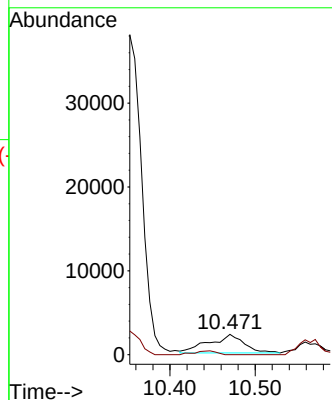
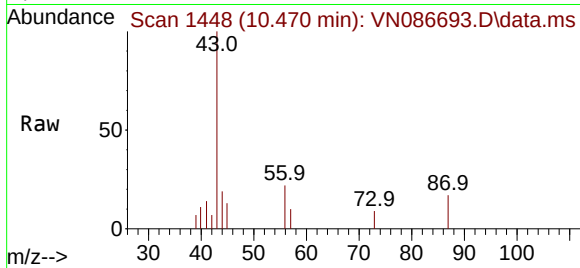




#51
4-Methyl-2-Pentanone
Concen: 2.008 ug/l
RT: 10.470 min Scan# 1443
Delta R.T. 0.029 min
Lab File: VN086693.D
Acq: 19 May 2025 16:40

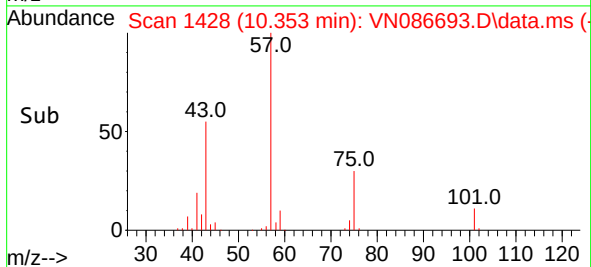
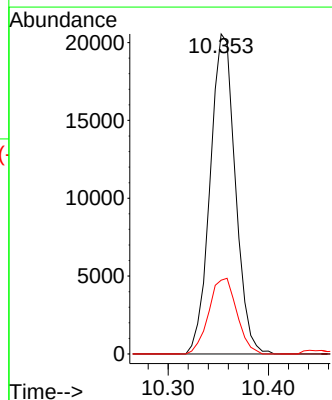
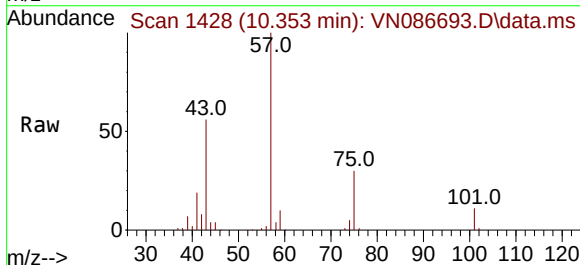
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#10

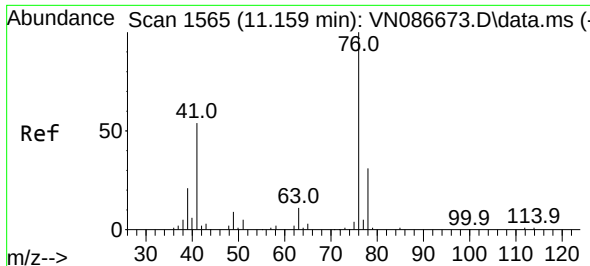
Tgt Ion: 43 Resp: 6409
Ion Ratio Lower Upper
43 100
58 0.0 33.9 50.9#



#54
cis-1,3-Dichloropropene
Concen: 9.184 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN086693.D
Acq: 19 May 2025 16:40

Tgt Ion: 75 Resp: 35751
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 23.1 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 0.855 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.035 min

Lab File: VN086693.D

Acq: 19 May 2025 16:40

Instrument :

MSVOA_N

ClientSampleId :

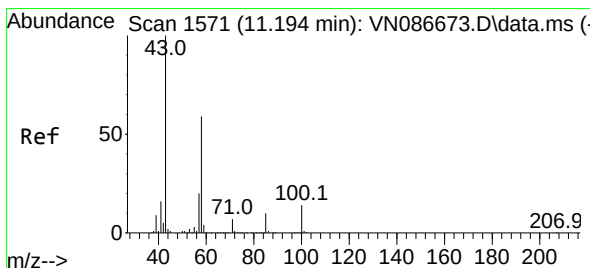
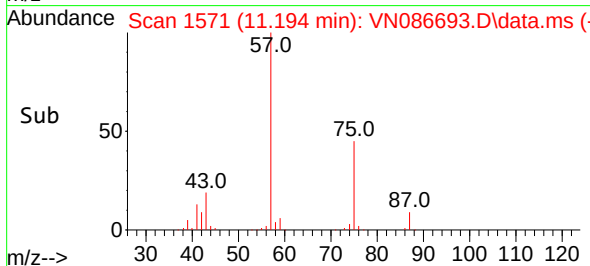
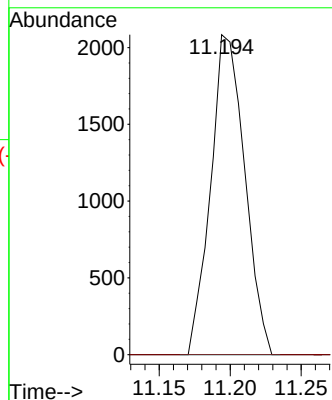
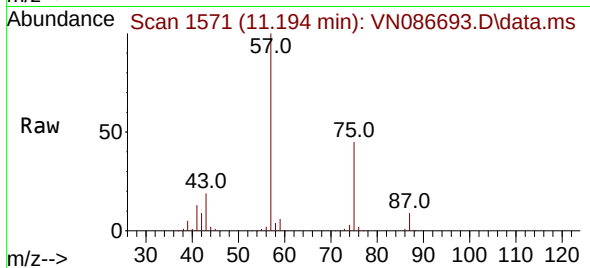
PB168034ZHE#10

Tgt Ion: 76 Resp: 3481

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 24.645 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086693.D

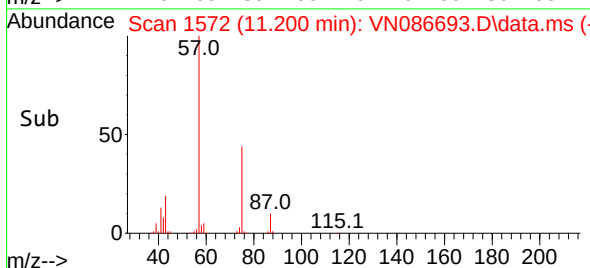
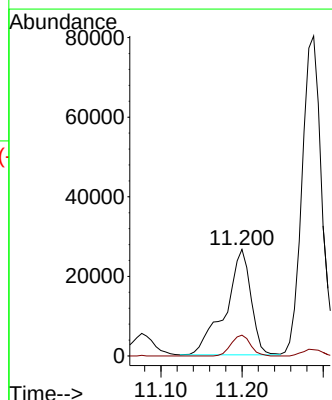
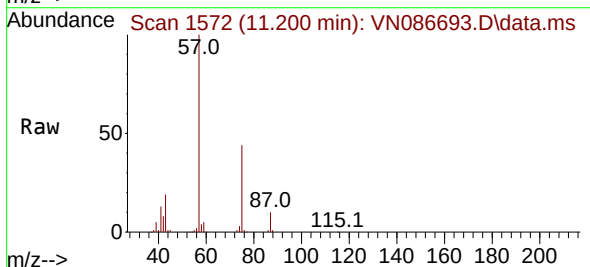
Acq: 19 May 2025 16:40

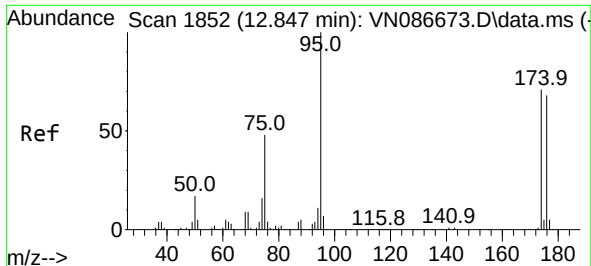
Tgt Ion: 43 Resp: 57451

Ion Ratio Lower Upper

43 100

58 15.1 29.8 89.5#

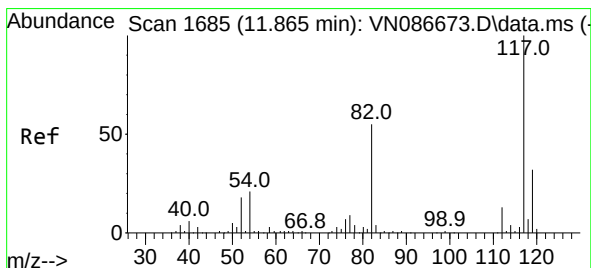
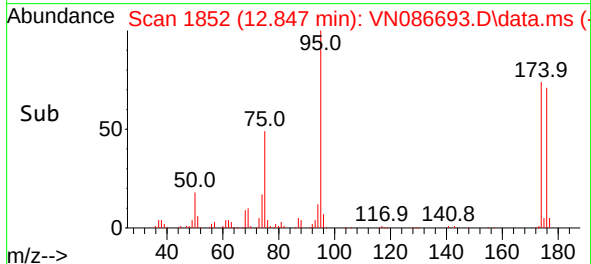
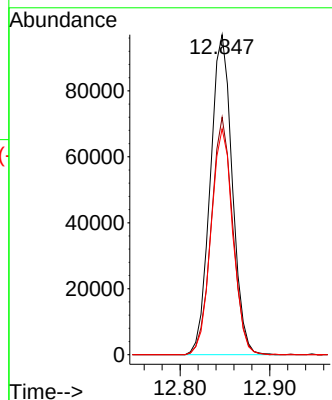
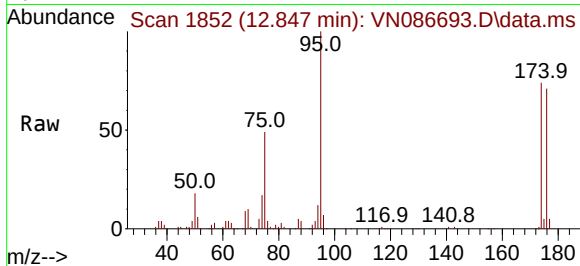




#62
4-Bromofluorobenzene
Concen: 53.160 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086693.D
Acq: 19 May 2025 16:40

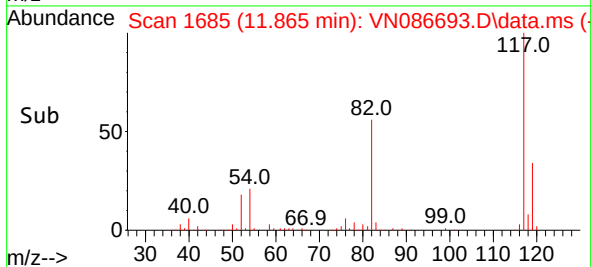
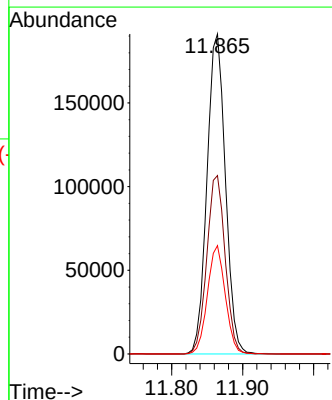
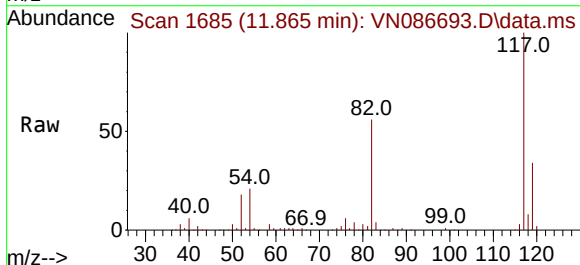
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#10

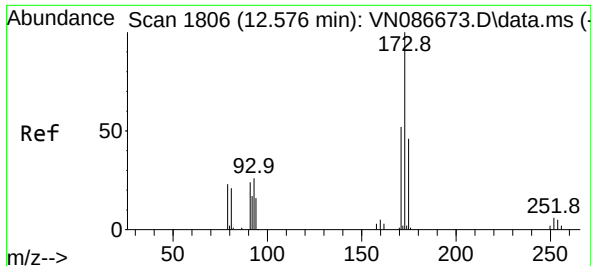
Tgt Ion: 95 Resp: 164848
Ion Ratio Lower Upper
95 100
174 72.5 0.0 145.4
176 70.2 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086693.D
Acq: 19 May 2025 16:40

Tgt Ion: 117 Resp: 344525
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.2
119 33.8 25.4 38.2

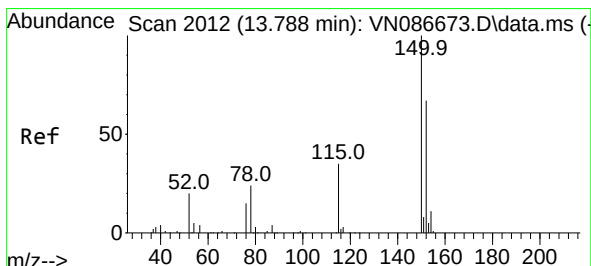
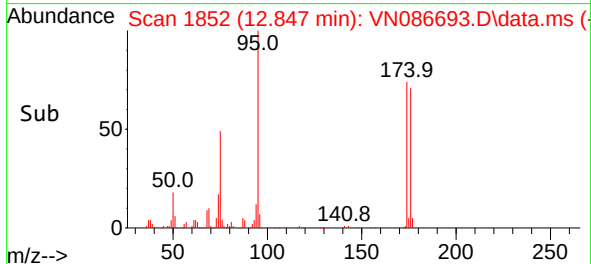
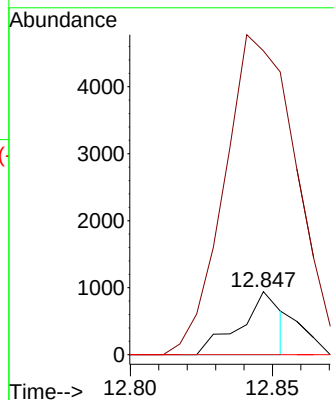
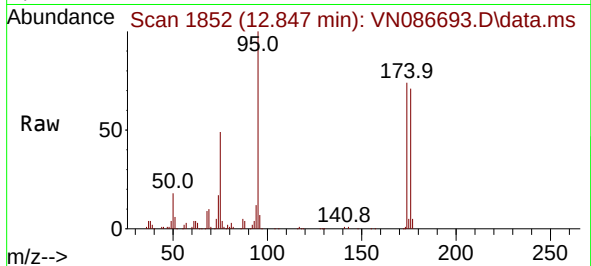




#71
Bromoform
Concen: 0.541 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.270 min
Lab File: VN086693.D
Acq: 19 May 2025 16:40

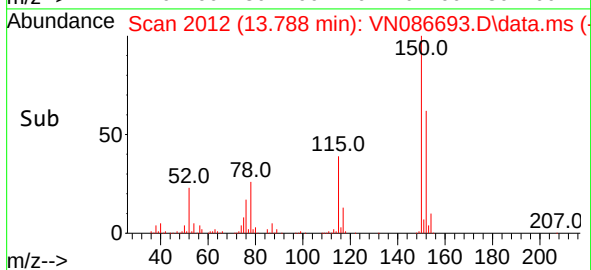
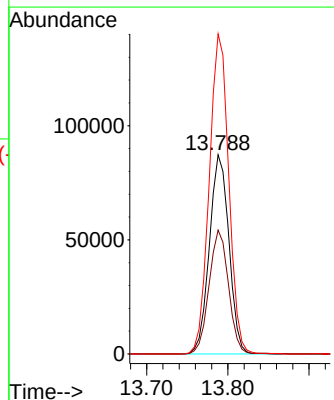
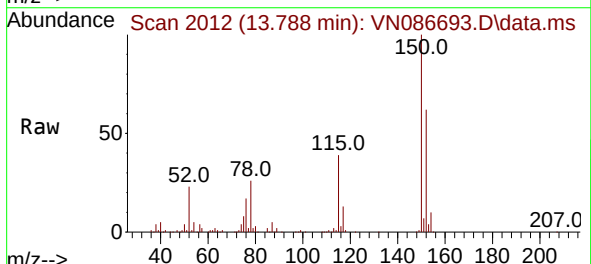
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#10

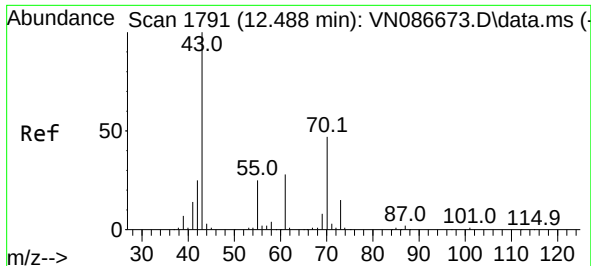
Tgt Ion:173 Resp: 938
Ion Ratio Lower Upper
173 100
175 714.6 23.4 70.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086693.D
Acq: 19 May 2025 16:40

Tgt Ion:152 Resp: 145901
Ion Ratio Lower Upper
152 100
115 61.7 30.0 90.1
150 160.0 0.0 347.8

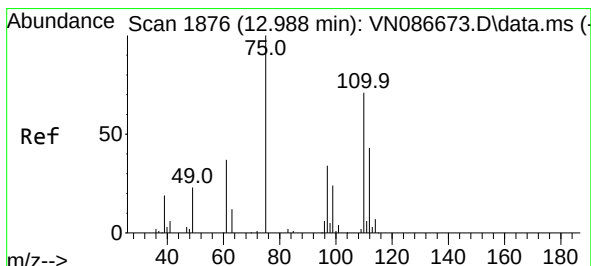
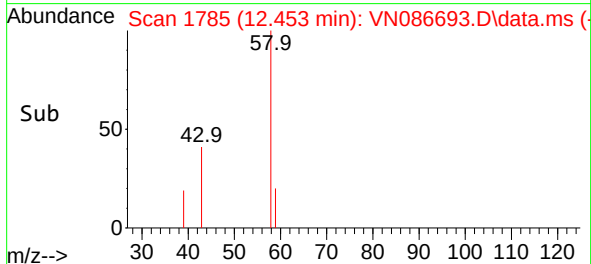
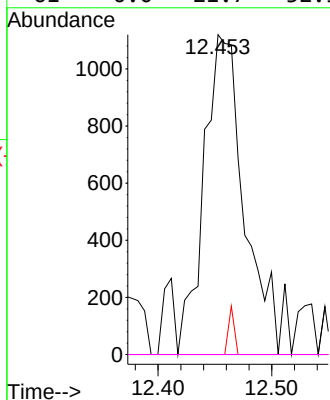
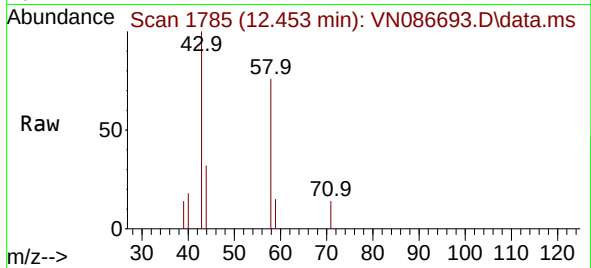




#74
N-amy1 acetate
Concen: 0.586 ug/l
RT: 12.453 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN086693.D
Acq: 19 May 2025 16:40

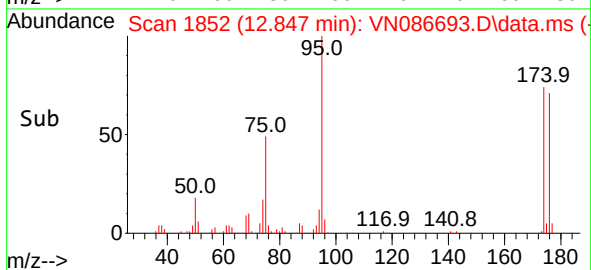
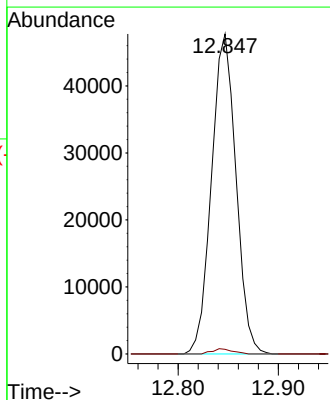
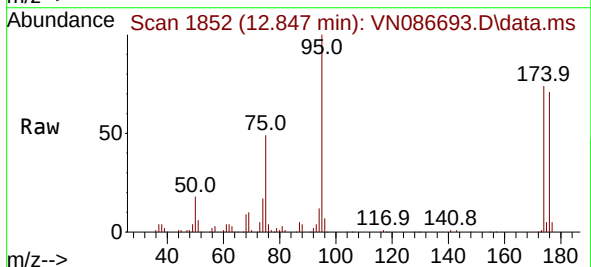
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#10

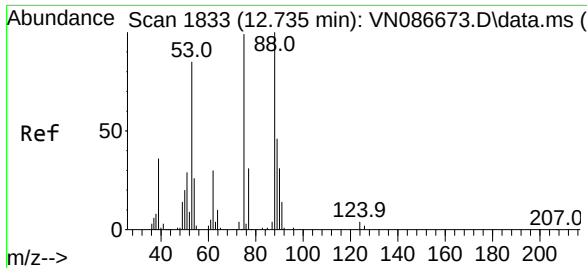
Tgt Ion: 43	Resp: 2758
Ion Ratio	Lower Upper
43 100	
70 0.0	37.9 56.9#
55 2.2	20.5 30.7#
61 0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 24.541 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086693.D
Acq: 19 May 2025 16:40

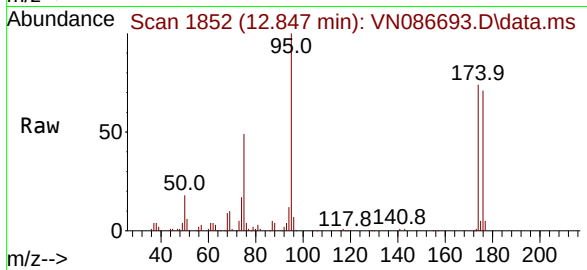
Tgt Ion: 75	Resp:	80979	
Ion Ratio	Lower	Upper	
75 100			
77 1.4	96.0	288.1#	





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.934 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086693.D
 Acq: 19 May 2025 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168034ZHE#10



Tgt Ion: 75 Resp: 80979
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.0 32.4 48.6#

