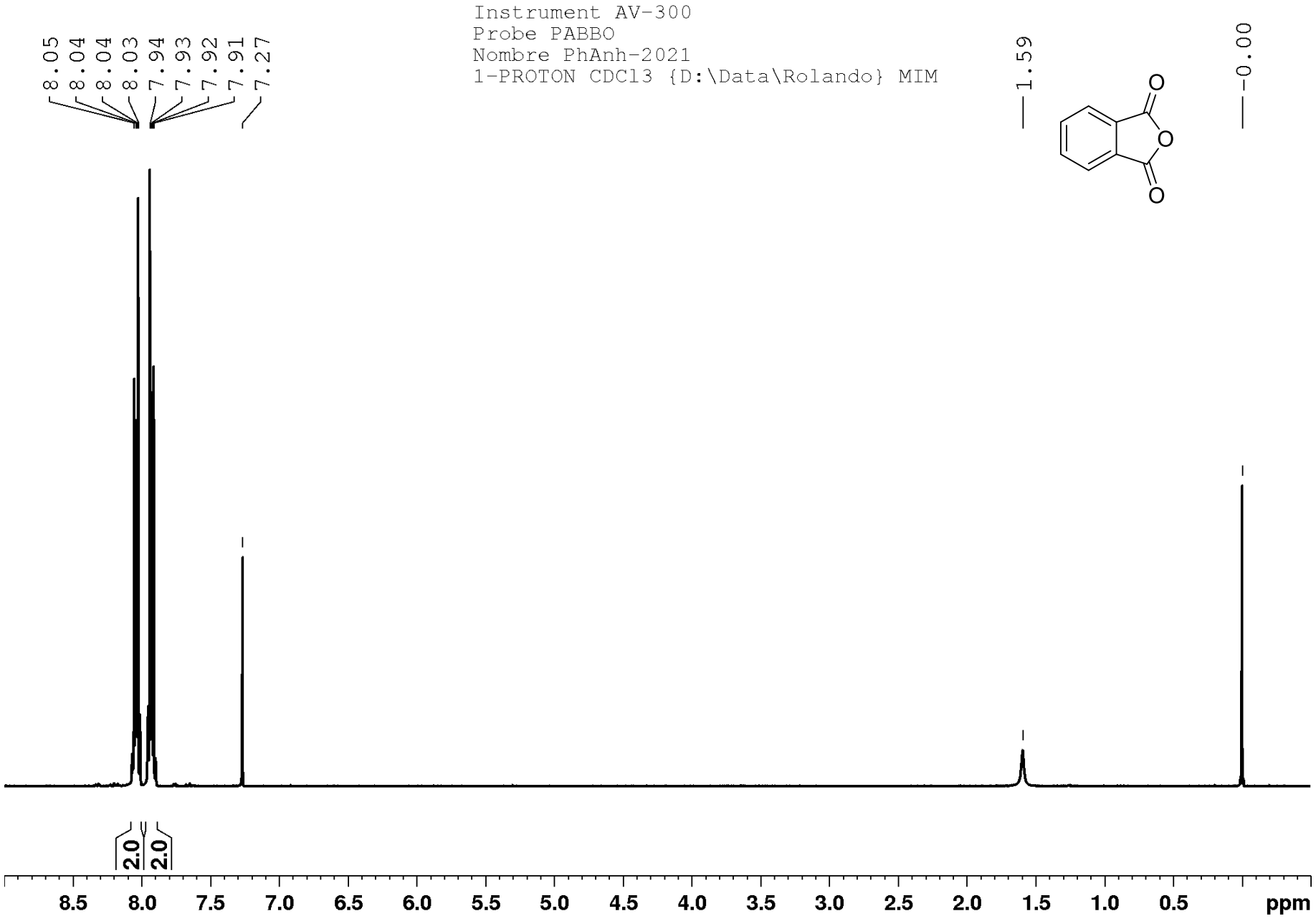
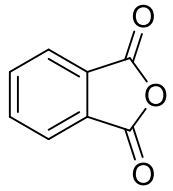
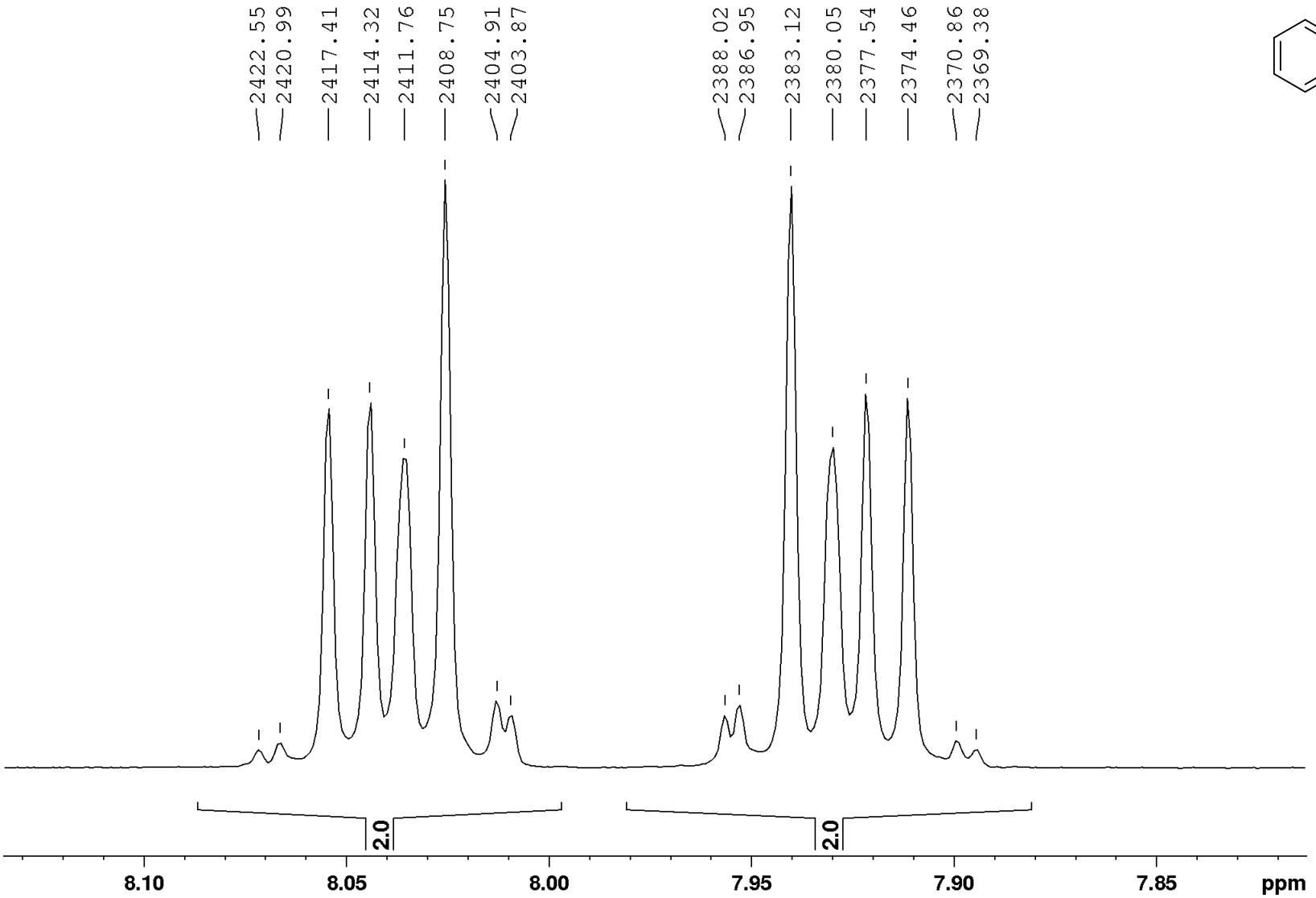
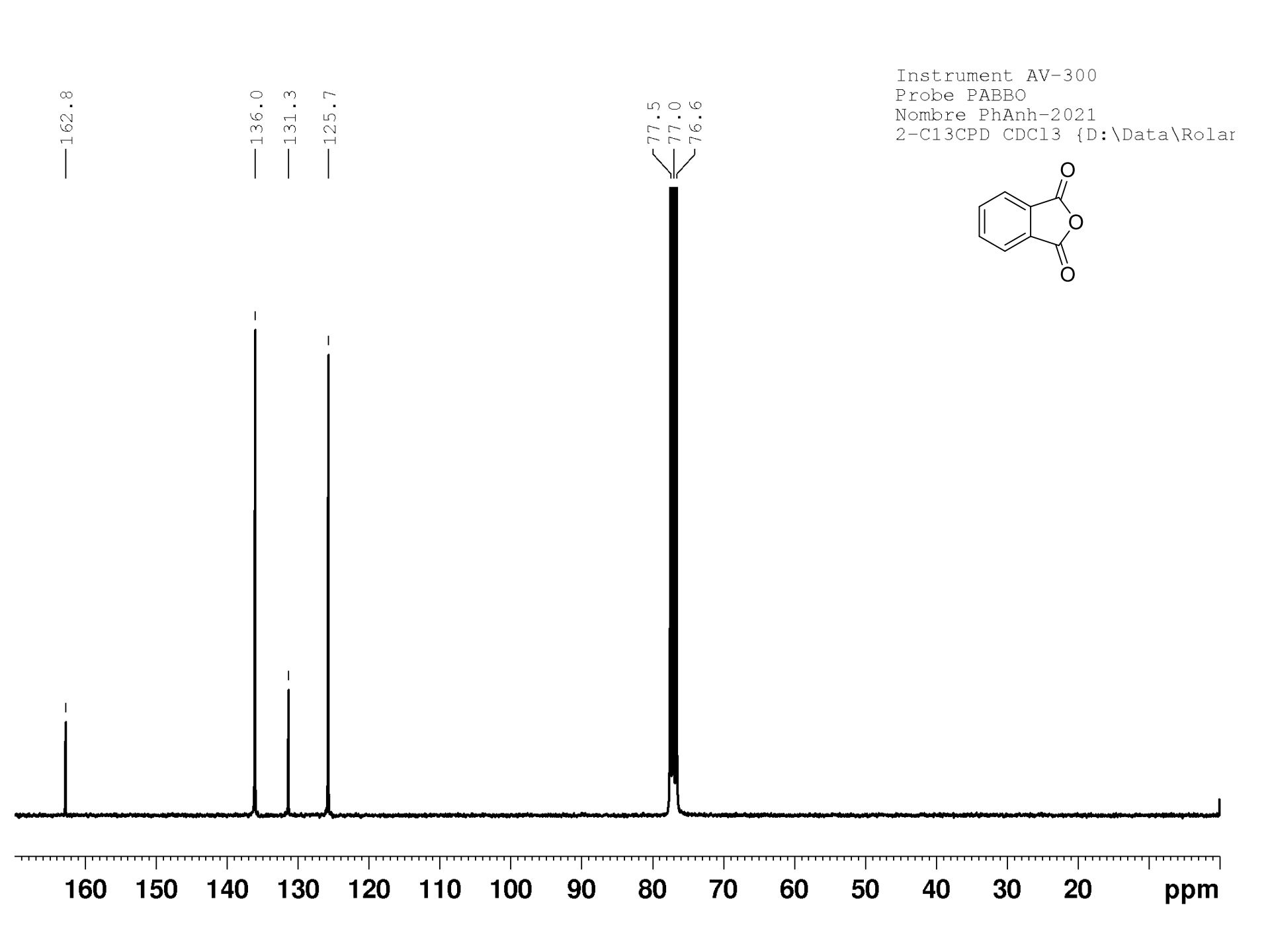
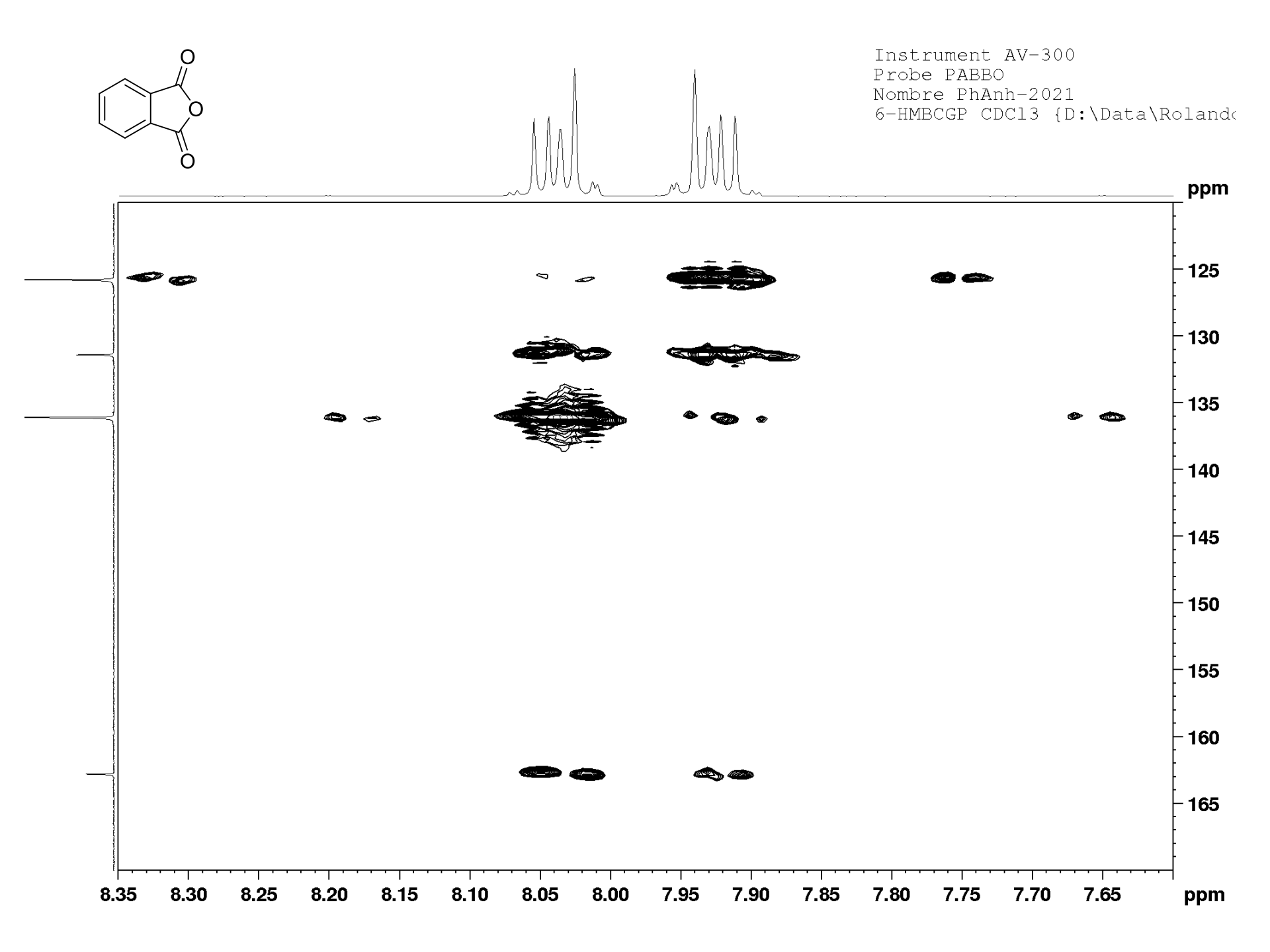

Instrument AV-300
Probe PABBO
Nombre PhAnh-2021
1-PROTON CDCl3 {D:\Data\Rolando} MIM
8.05
8.04
8.04
8.03
7.94
7.93
7.92
7.91
7.27
1.59
0.00
O
O
O
2.0
2.0
8.5
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
ppm

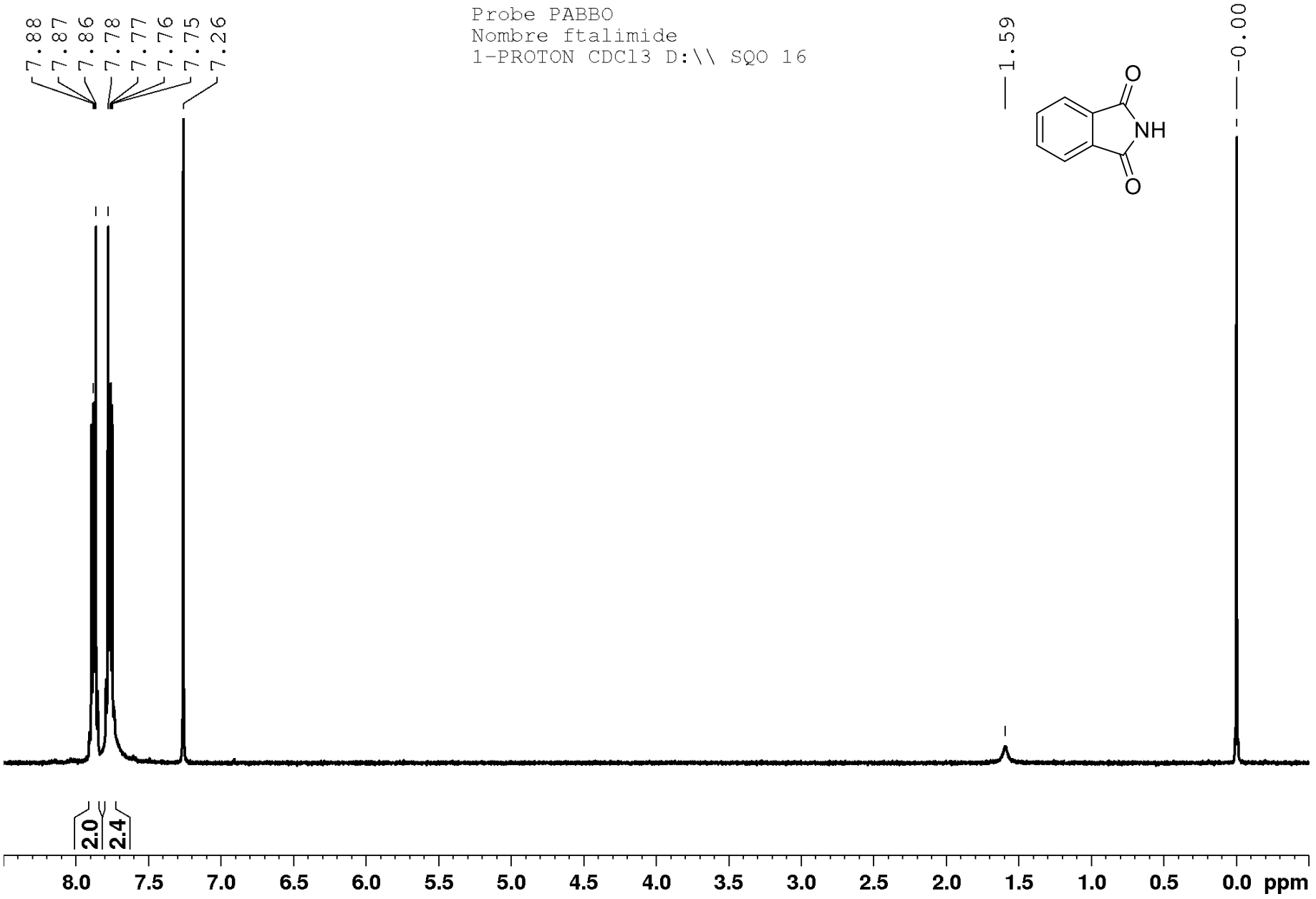
Instrument AV-300
Probe PABBO
Nombre Phthalic Anhydride-2021
1-PROTON CDCl3



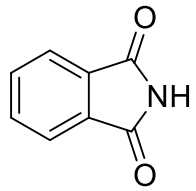



162.8
136.0
131.3
125.7
77.5
77.0
76.6
Instrument AV-300
Probe PABBO
Nombre PhAnh-2021
2-C13CPD CDCl3 {D:\Data\Rolar
O
O
O
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
ppm

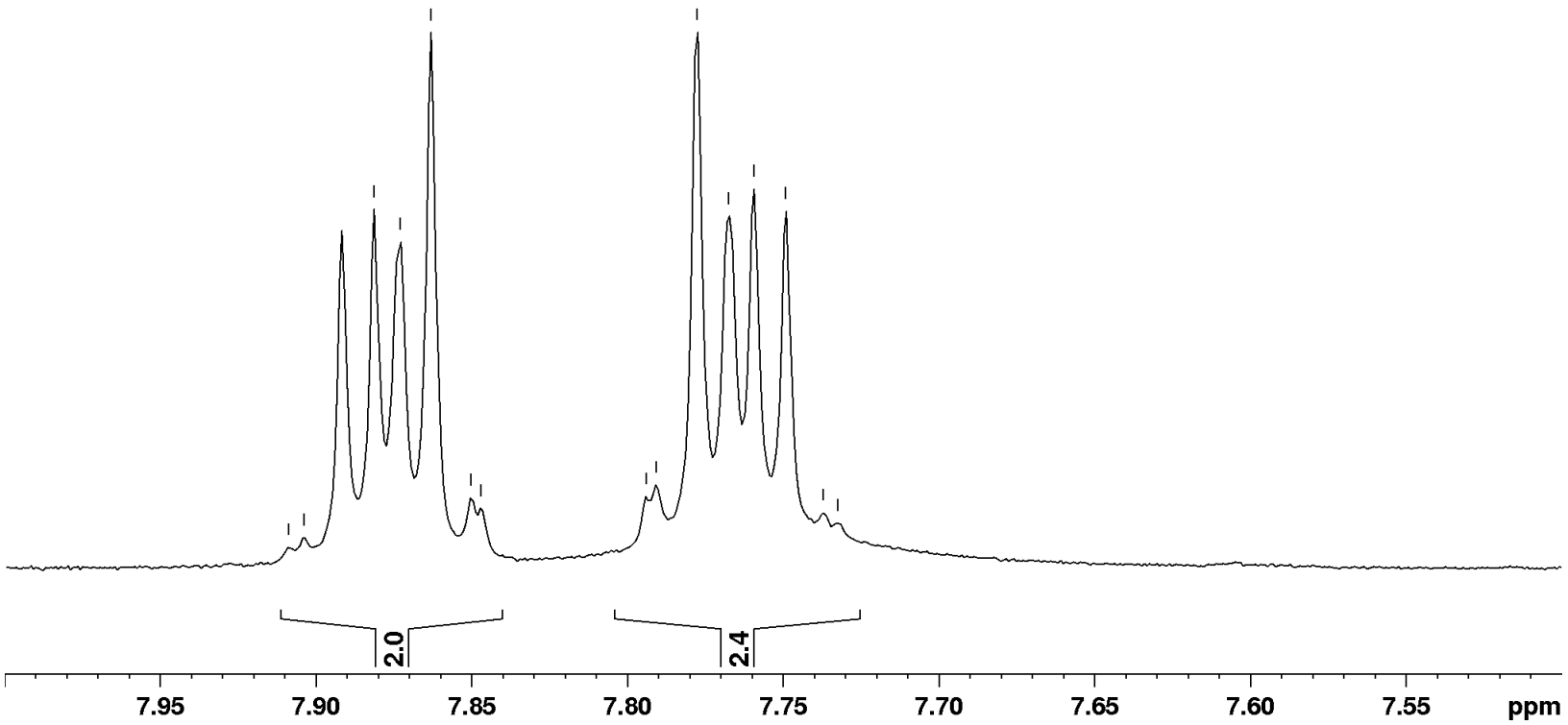

Instrument AV-300
Probe PABBO
Nombre PhAnh-2021
6-HMBCGP CDCl3 {D:\Data\Rolando
ppm
125
130
135
140
145
150
155
160
165
8.35
8.30
8.25
8.20
8.15
8.10
8.05
8.00
7.95
7.90
7.85
7.80
7.75
7.70
7.65
ppm

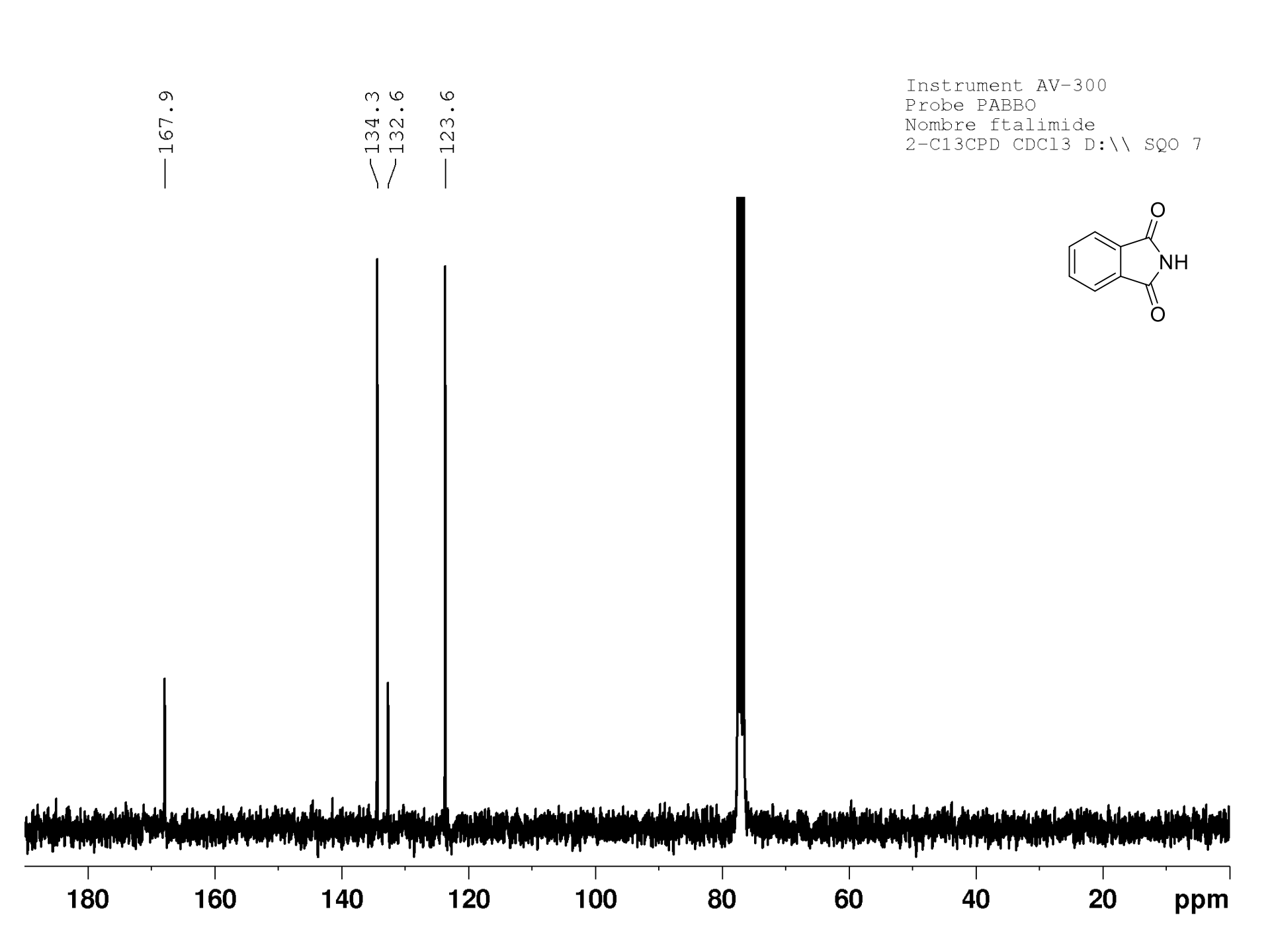

Instrument AV-300
Probe PABBO
Nombre ftalimide
1-PROTON CDCl3 D:\\ SQO 16
7.88
7.87
7.86
7.78
7.77
7.76
7.75
7.26
1.59
0.00
NH
O
O
2.0
2.4
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
ppm

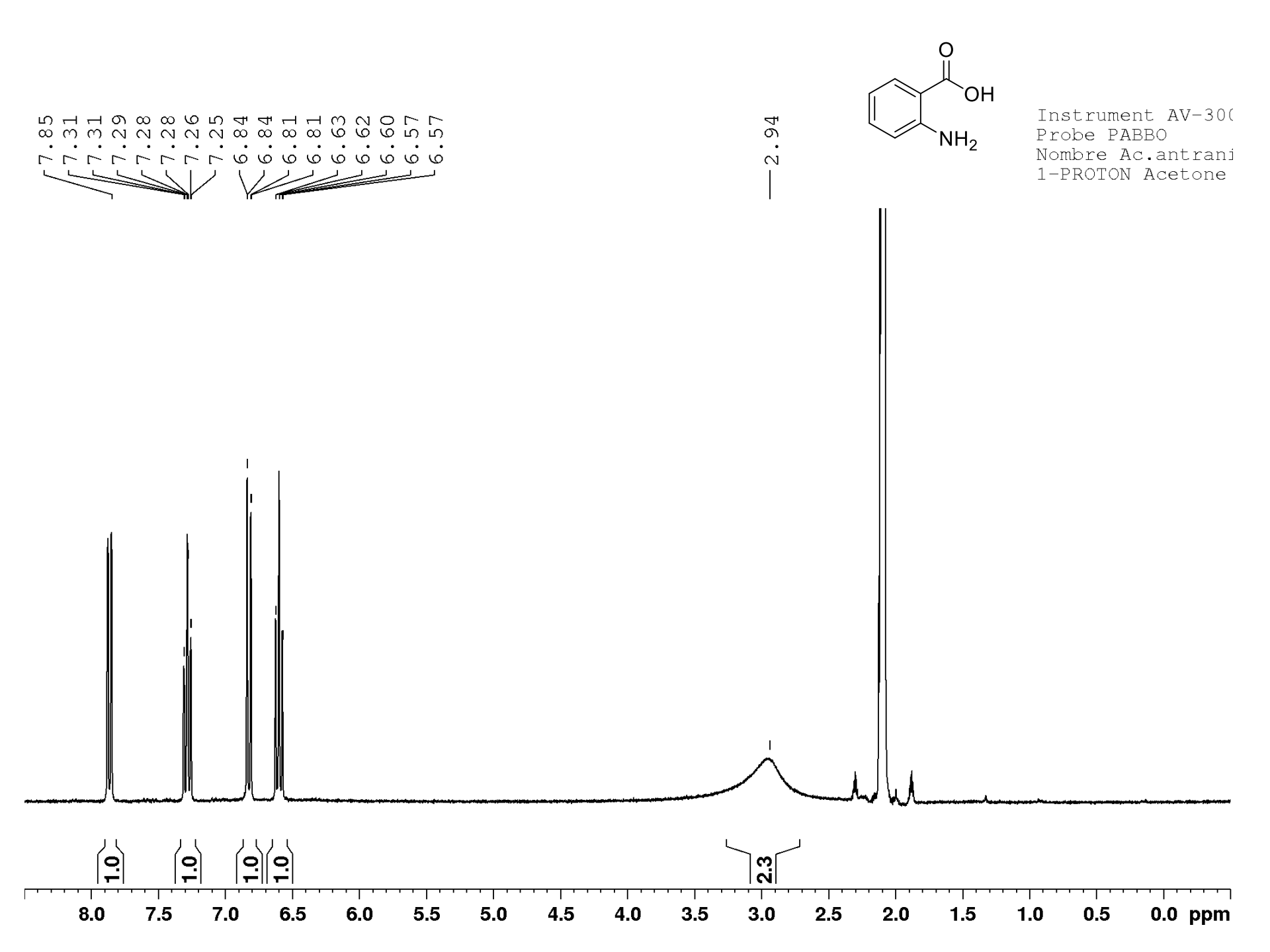
Instrument AV-30(
Probe PABBO
Nombre ftalimide
1-PROTON CDCl3 D:

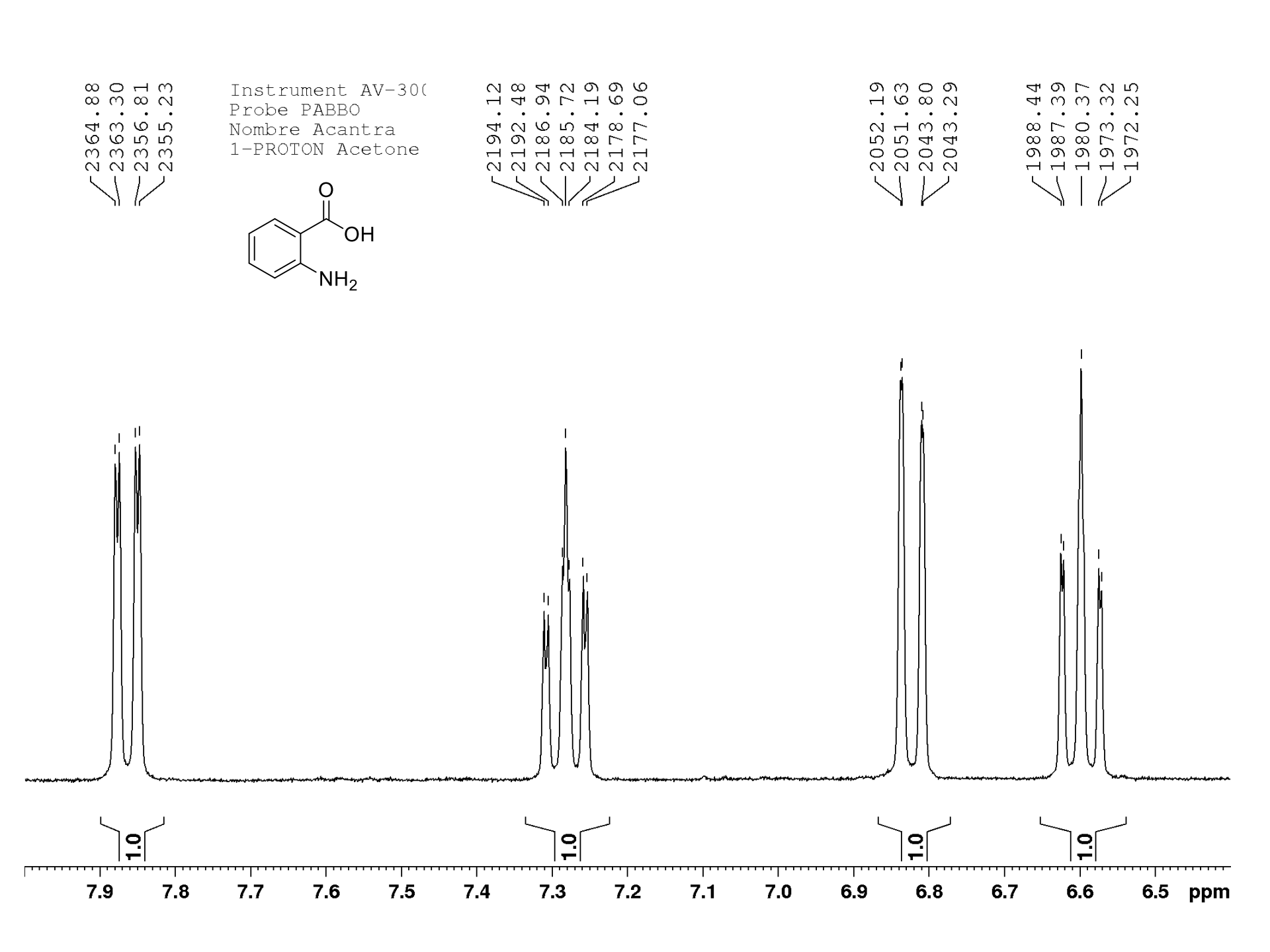


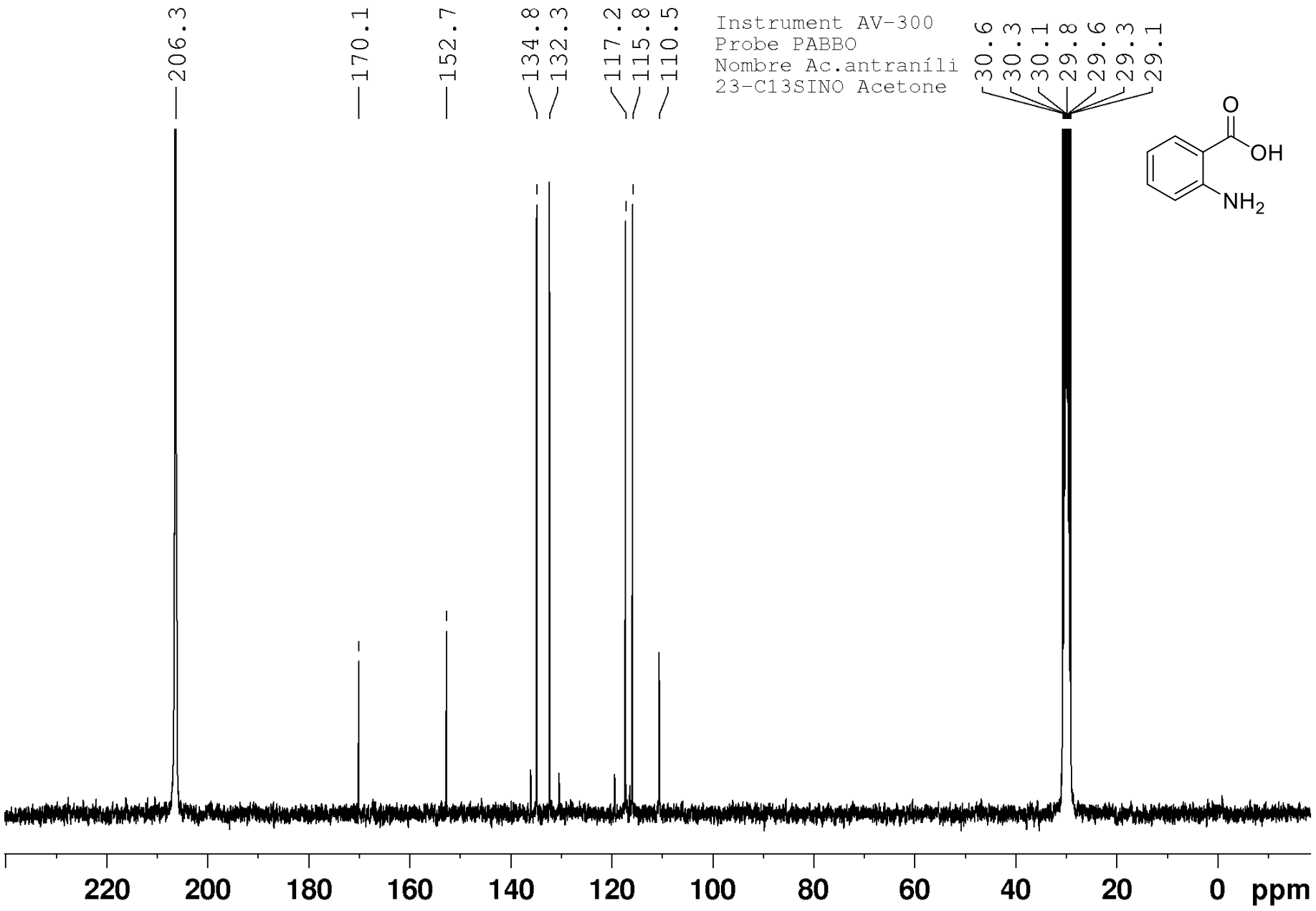
2373.68
2372.23
2365.46
2362.93
2359.99
2356.10
2355.15
2339.22
2338.28
2334.36
2331.27
2328.86
2325.78
2322.16
2320.78

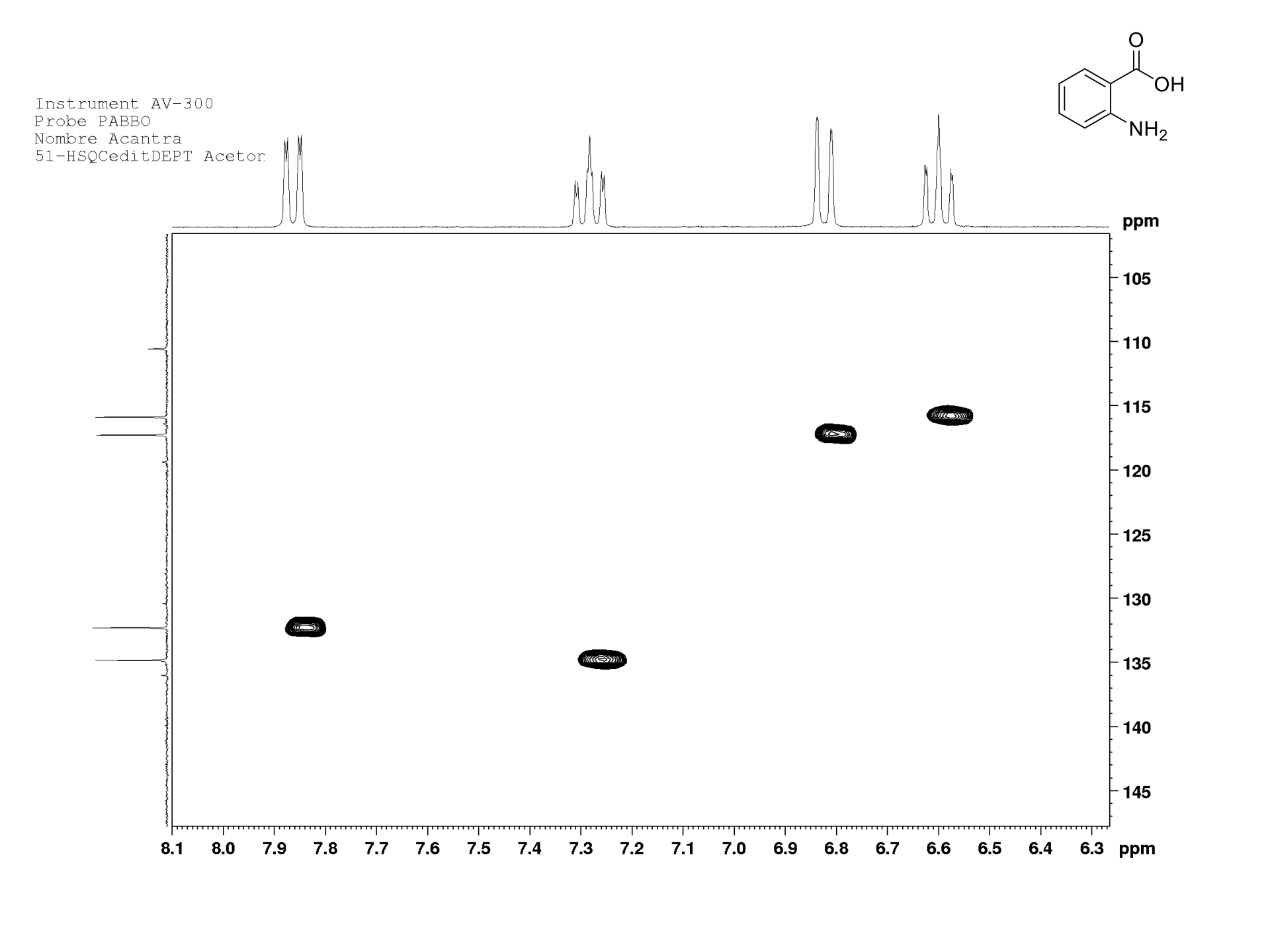


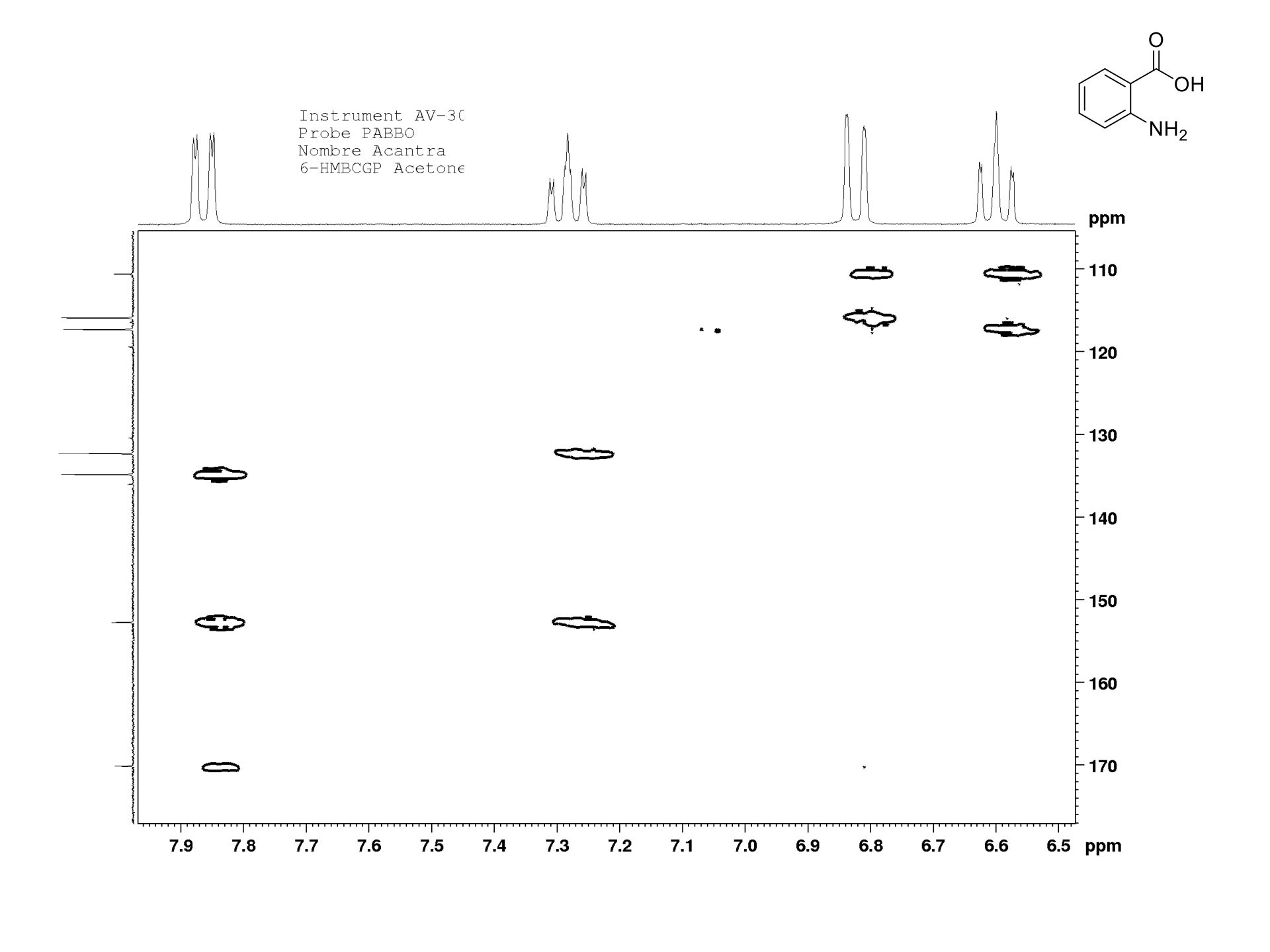

167.9
134.3
132.6
123.6
Instrument AV-300
Probe PABBO
Nombre ftalimide
2-C13CPD CDCl3 D:\\ SQO 7
O
NH
O
180
160
140
120
100
80
60
40
20
ppm

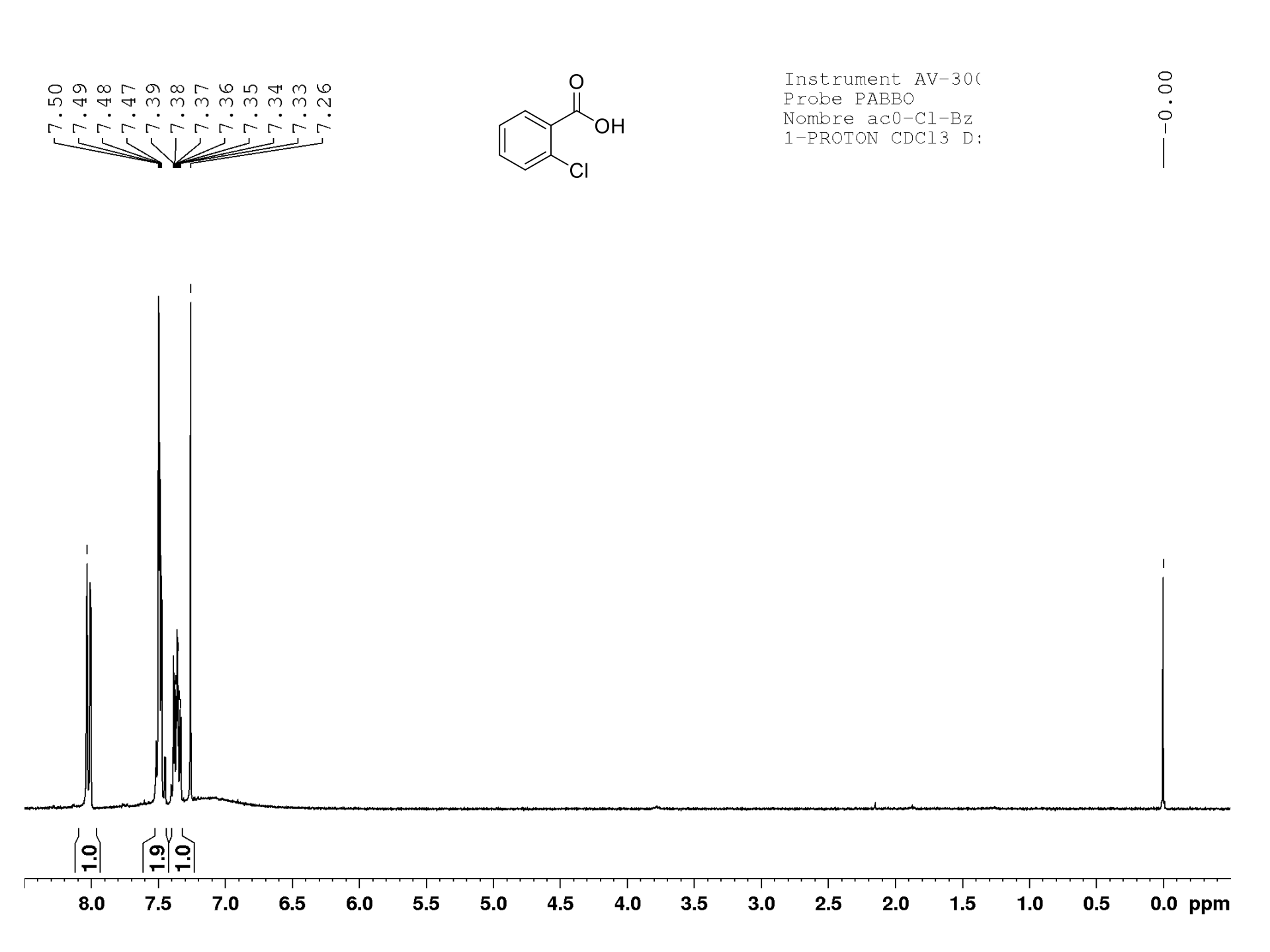

7.85
7.31
7.31
7.29
7.28
7.28
7.26
7.25
6.84
6.84
6.81
6.81
6.63
6.62
6.60
6.57
6.57
2.94
O
OH
NH2
Instrument AV-30(
Probe PABBO
Nombre Ac.antrani
1-PROTON Acetone
1.0
1.0
1.0
1.0
2.3
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
ppm

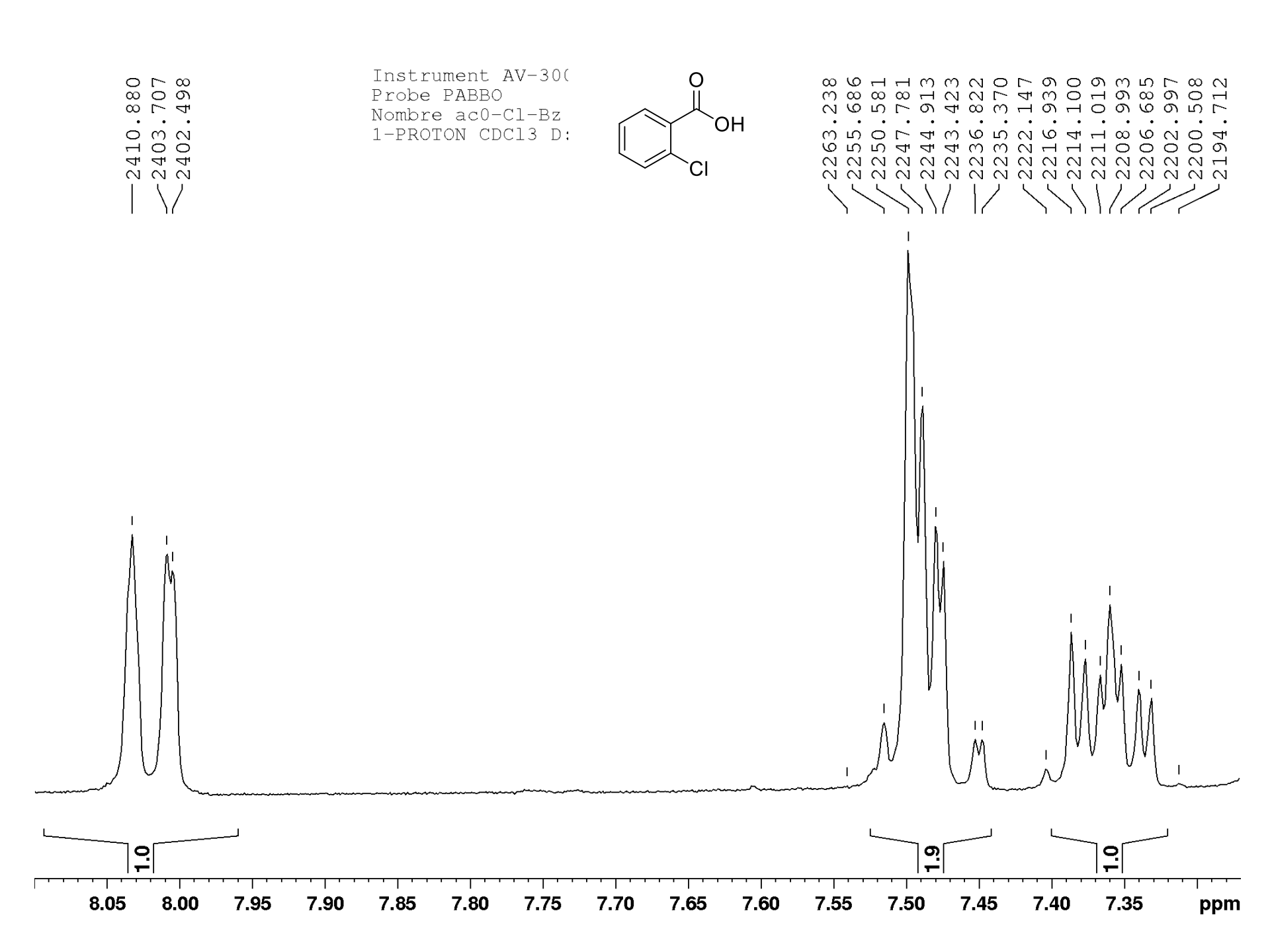

2364.88
2363.30
2356.81
2355.23
Instrument AV-30(
Probe PABBO
Nombre Acantra
1-PROTON Acetone
2194.12
2192.48
2186.94
2185.72
2184.19
2178.69
2177.06
2052.19
2051.63
2043.80
2043.29
1988.44
1987.39
1980.37
1973.32
1972.25
O
OH
NH2
1.0
1.0
1.0
1.0
7.9
7.8
7.7
7.6
7.5
7.4
7.3
7.2
7.1
7.0
6.9
6.8
6.7
6.6
6.5
ppm

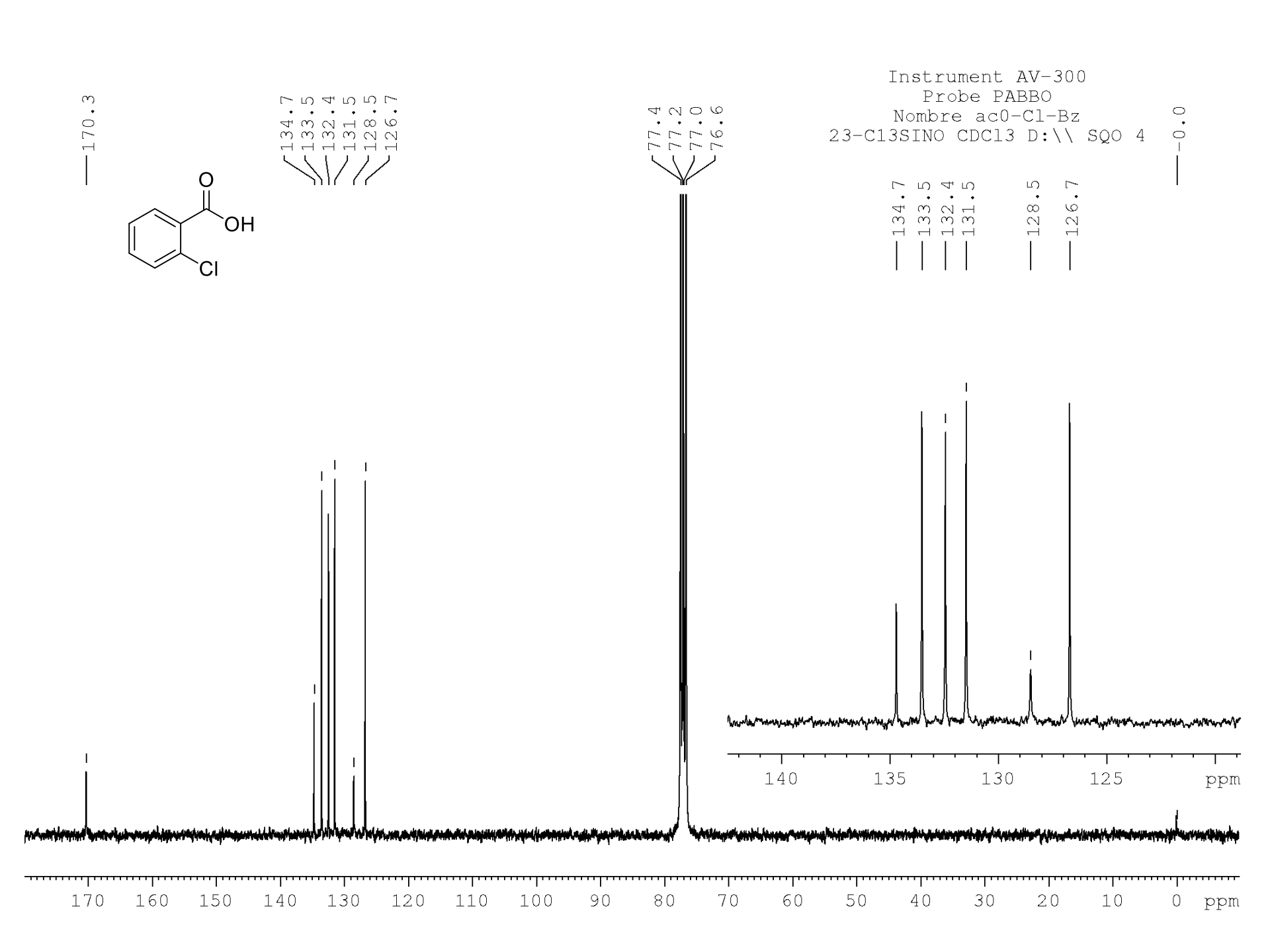

206.3
170.1
152.7
134.8
132.3
117.2
115.8
110.5
30.6
30.3
30.1
29.8
29.6
29.3
29.1
Instrument AV-300
Probe PABBO
Nombre Ac.antraníli
23-C13SINO Acetone
O
OH
NH2
220
200
180
160
140
120
100
80
60
40
20
0
ppm

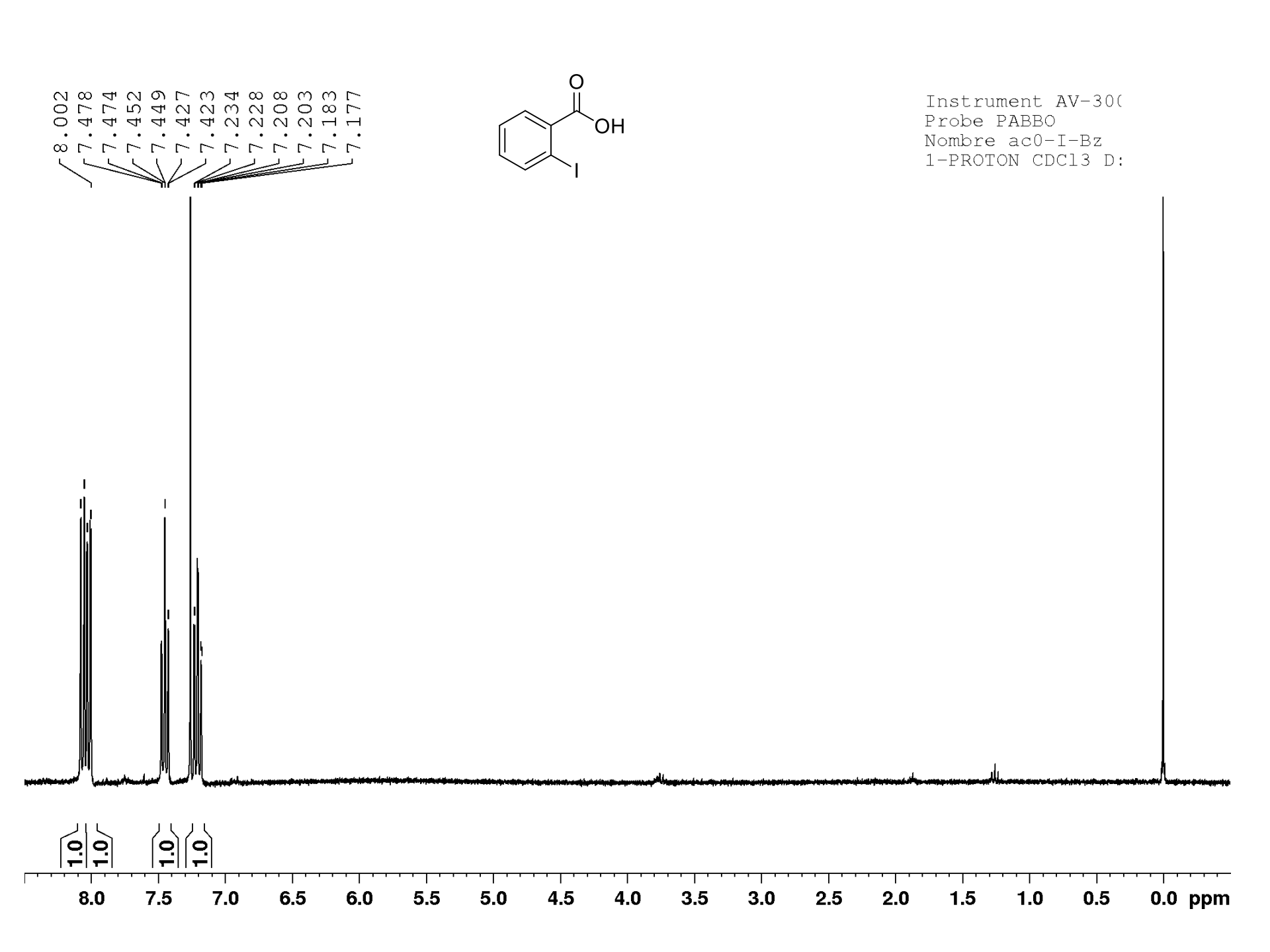

Instrument AV-300
Probe PABBO
Nombre Acantra
51-HSQCeditDEPT Acetor
O
OH
NH2
ppm
105
110
115
120
125
130
135
140
145
8.1
8.0
7.9
7.8
7.7
7.6
7.5
7.4
7.3
7.2
7.1
7.0
6.9
6.8
6.7
6.6
6.5
6.4
6.3
ppm

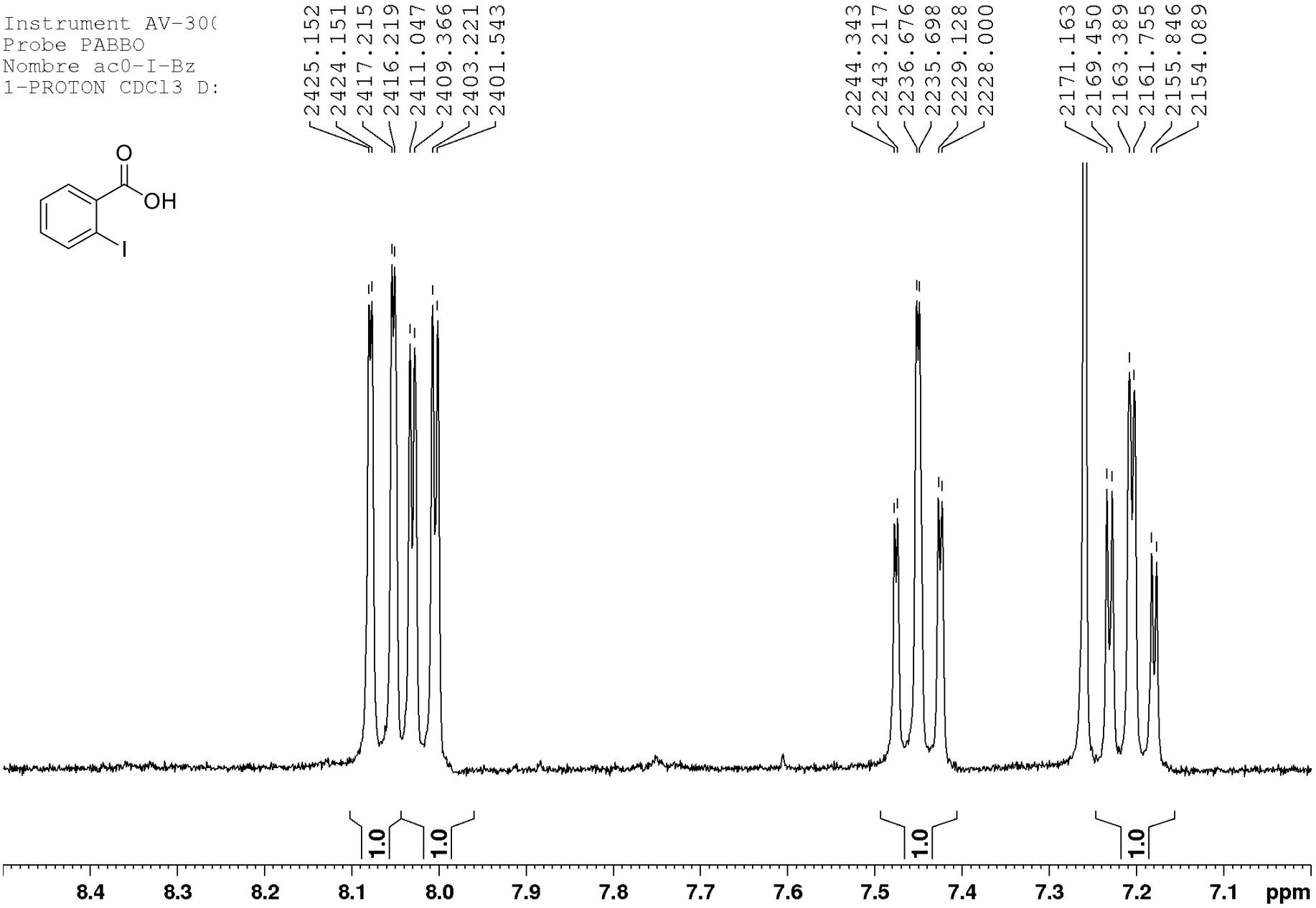

Instrument AV-3(
Probe PABBO
Nombre Acantra
6-HMBCGP Acetone
O
OH
NH2
ppm
110
120
130
140
150
160
170
7.9
7.8
7.7
7.6
7.5
7.4
7.3
7.2
7.1
7.0
6.9
6.8
6.7
6.6
6.5
ppm

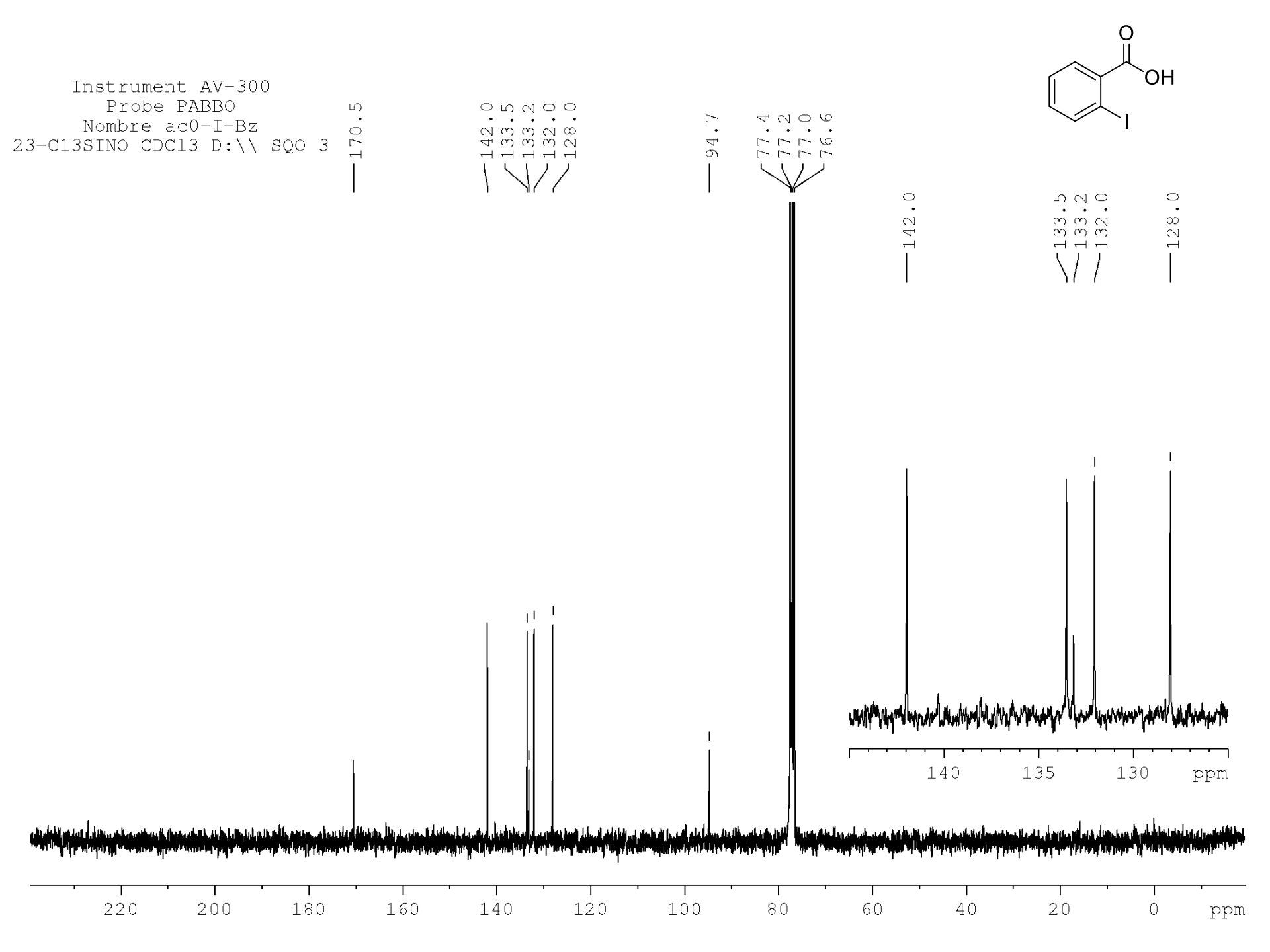

7.50
7.49
7.48
7.47
7.39
7.38
7.37
7.36
7.35
7.34
7.33
7.26
O
OH
Cl
Instrument AV-30(
Probe PABBO
Nombre ac0-Cl-Bz
1-PROTON CDCl3 D:
0.00
1.0
1.9
1.0
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
ppm

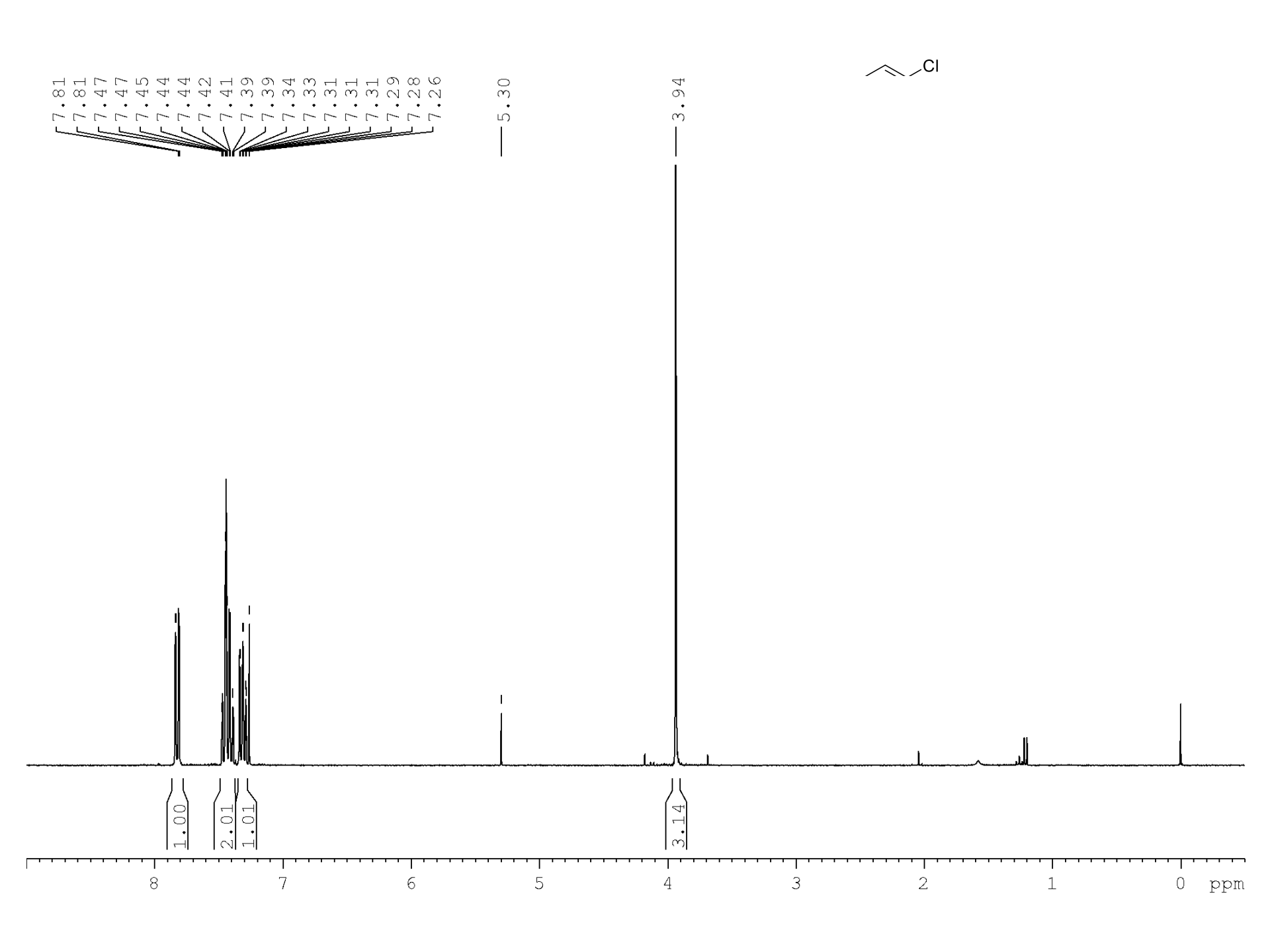

Instrument AV-30(
Probe PABBO
Nombre ac0-Cl-Bz
1-PROTON CDCl3 D:
O
OH
Cl
2410.880
2403.707
2402.498
2263.238
2255.686
2250.581
2247.781
2244.913
2243.423
2236.822
2235.370
2222.147
2216.939
2214.100
2211.019
2208.993
2206.685
2202.997
2200.508
2194.712
1.0
1.9
1.0
8.05
8.00
7.95
7.90
7.85
7.80
7.75
7.70
7.65
7.60
7.55
7.50
7.45
7.40
7.35
ppm

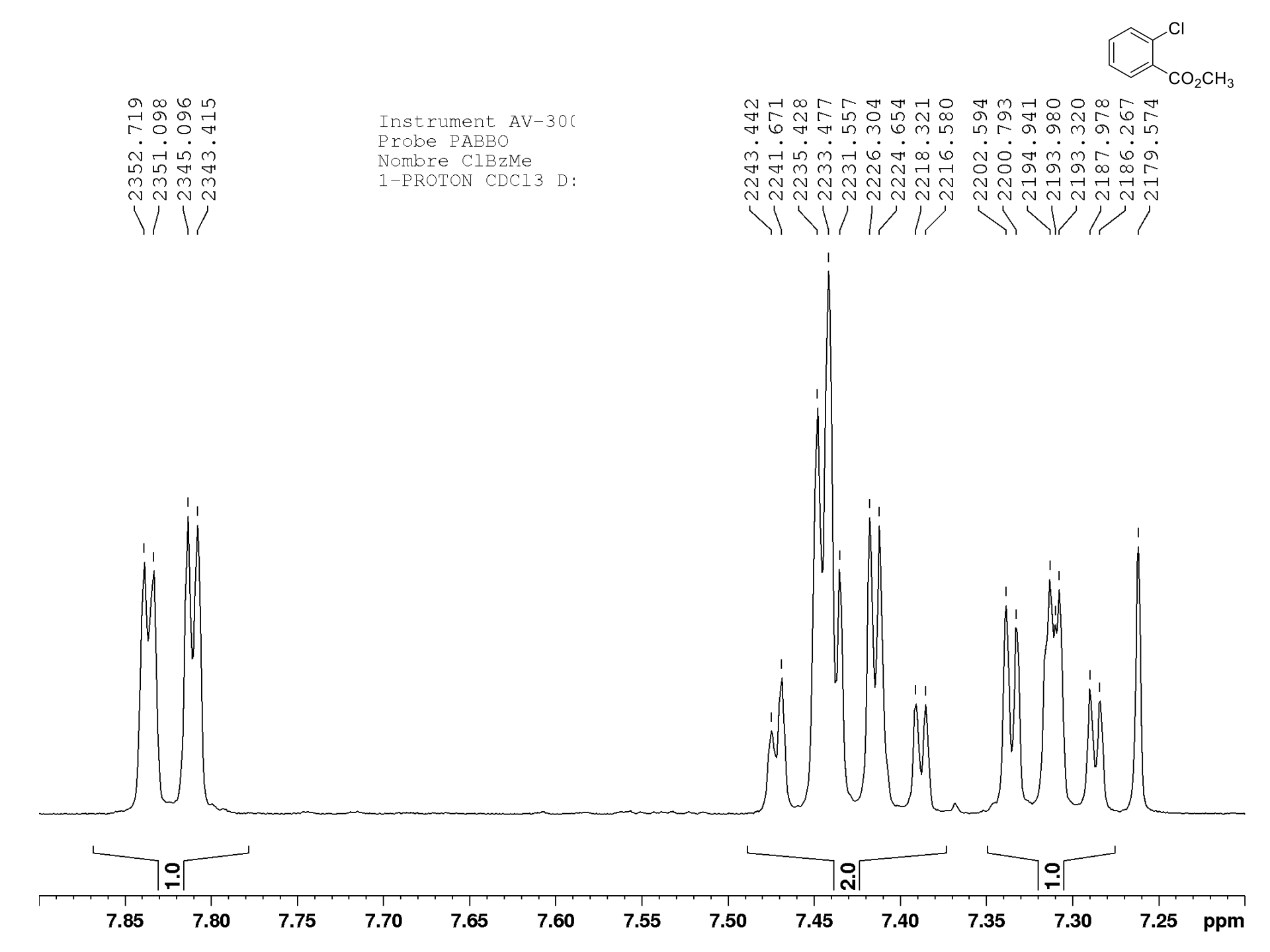

Instrument AV-300
Probe PABBO
Nombre ac0-Cl-Bz
23-C13SINO CDCl3 D:\\ SQO 4
170.3
134.7
133.5
132.4
131.5
128.5
126.7
77.4
77.2
77.0
76.6
0.0
O
OH
Cl
ppm

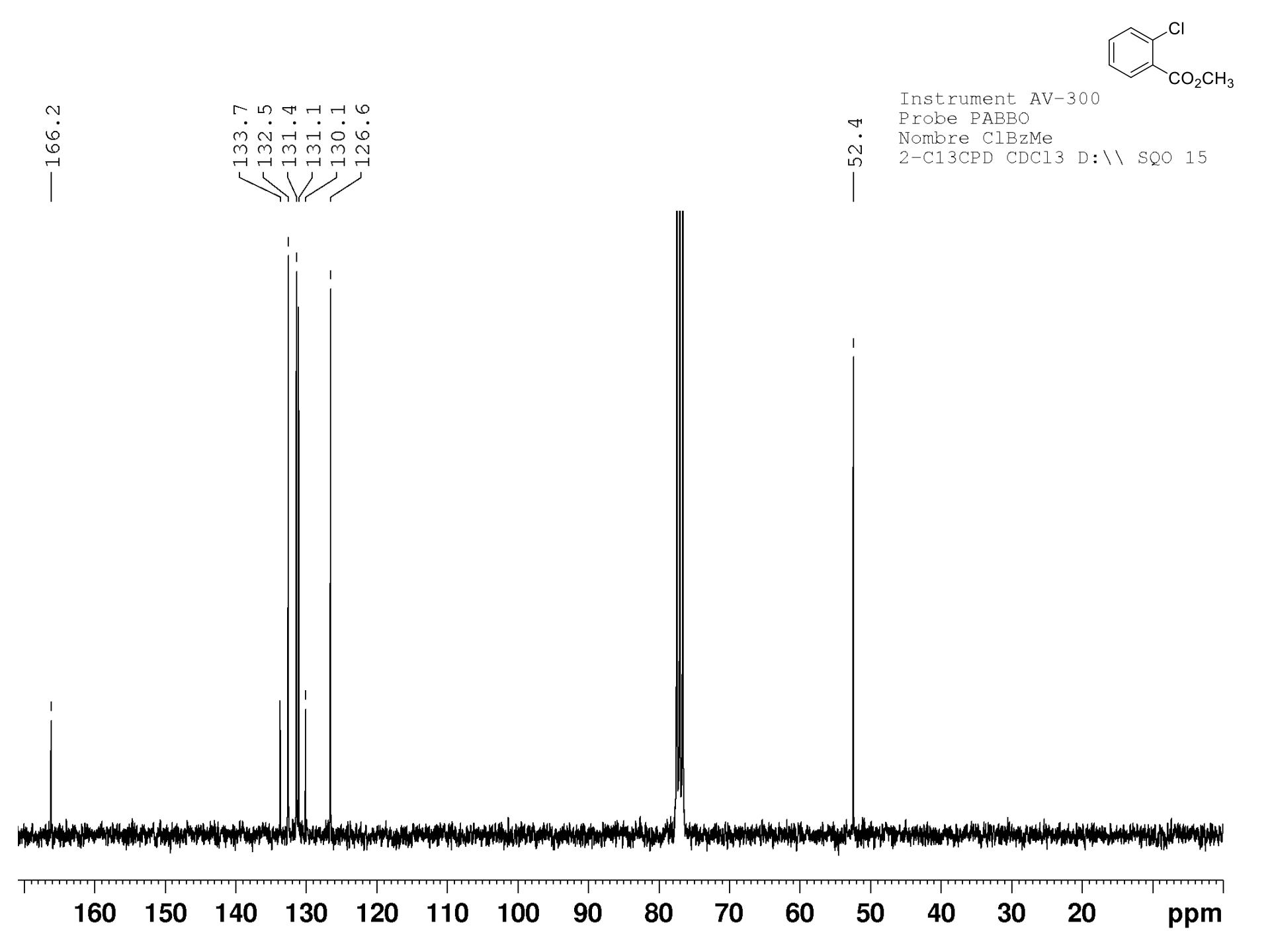

8.002
7.478
7.474
7.452
7.449
7.427
7.423
7.234
7.228
7.208
7.203
7.183
7.177
O
OH
I
Instrument AV-30(
Probe PABBO
Nombre ac0-I-Bz
1-PROTON CDCl3 D:
1.0
1.0
1.0
1.0
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
ppm

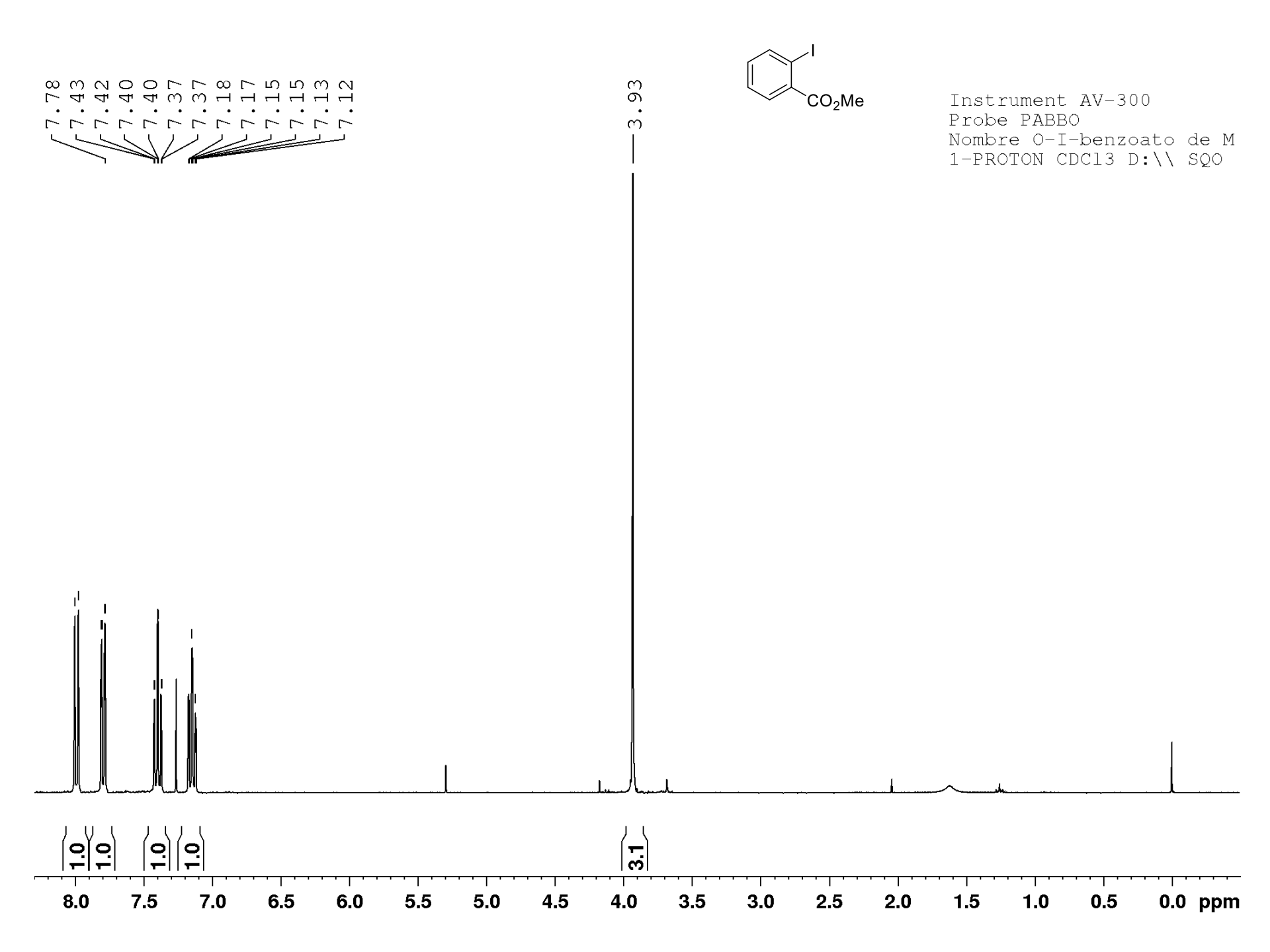

Instrument AV-30(
Probe PABBO
Nombre ac0-I-Bz
1-PROTON CDCl3 D:
2425.152
2424.151
2417.215
2416.219
2411.047
2409.366
2403.221
2401.543
2244.343
2243.217
2236.676
2235.698
2229.128
2228.000
2171.163
2169.450
2163.389
2161.755
2155.846
2154.089
O
OH
I
1.0
1.0
1.0
8.4
8.3
8.2
8.1
8.0
7.9
7.8
7.7
7.6
7.5
7.4
7.3
7.2
7.1
ppm

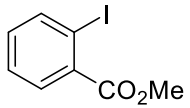

Instrument AV-300
Probe PABBO
Nombre ac0-I-Bz
23-C13SINO CDCl3 D:\\ SQO 3
170.5
142.0
133.5
133.2
132.0
128.0
94.7
77.4
77.2
77.0
76.6
O
OH
I
142.0
133.5
133.2
132.0
128.0
140
135
130
ppm
220
200
180
160
140
120
100
80
60
40
20
0
ppm


7.81
7.81
7.47
7.47
7.45
7.44
7.44
7.42
7.41
7.39
7.39
7.34
7.33
7.31
7.31
7.31
7.29
7.28
7.26
5.30
3.94
Cl
1.00
2.01
1.01
3.14
8
7
6
5
4
3
2
1
0
ppm


Cl
CO2CH3
2352.719
2351.098
2345.096
2343.415
Instrument AV-30(
Probe PABBO
Nombre ClBzMe
1-PROTON CDCl3 D:
2243.442
2241.671
2235.428
2233.477
2231.557
2226.304
2224.654
2218.321
2216.580
2202.594
2200.793
2194.941
2193.980
2193.320
2187.978
2186.267
2179.574
1.0
2.0
1.0
7.85
7.80
7.75
7.70
7.65
7.60
7.55
7.50
7.45
7.40
7.35
7.30
7.25
ppm

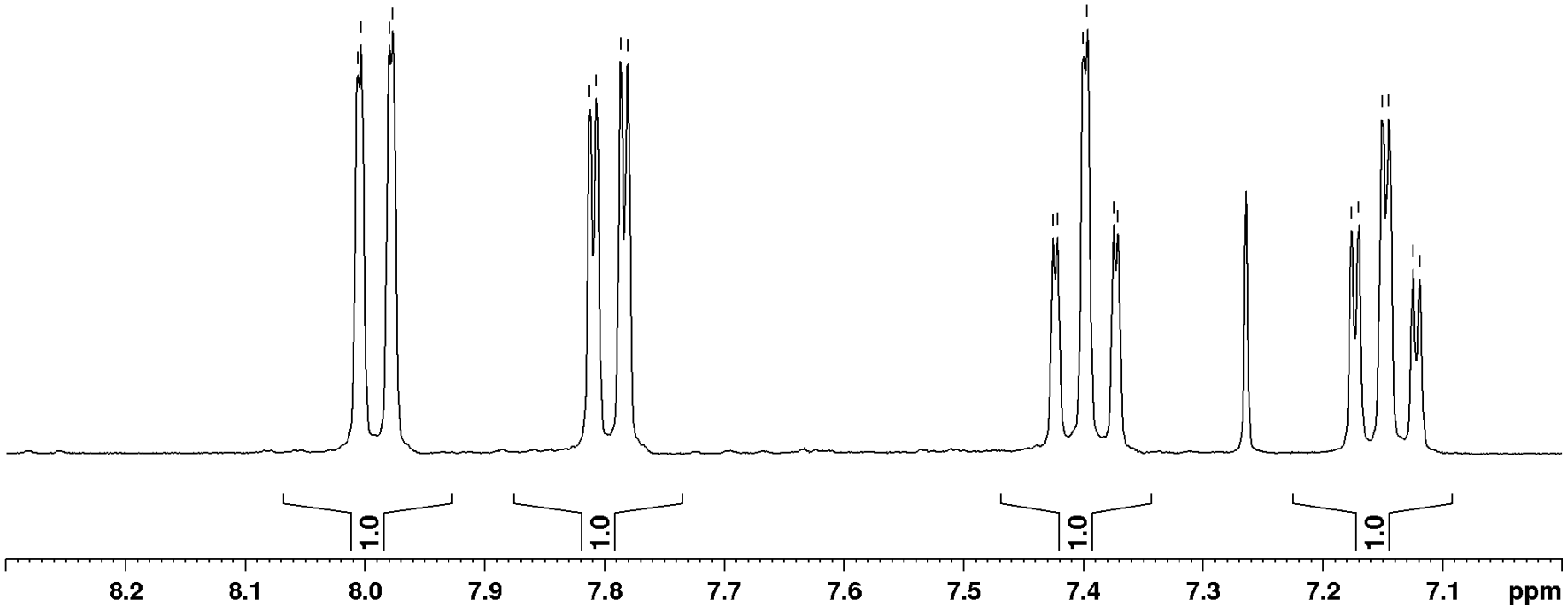

Cl
CO2CH3
Instrument AV-300
Probe PABBO
Nombre ClBzMe
2-C13CPD CDCl3 D:\\ SQO 15
166.2
133.7
132.5
131.4
131.1
130.1
126.6
52.4
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
ppm

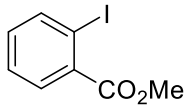

7.78
7.43
7.42
7.40
7.40
7.37
7.37
7.18
7.17
7.15
7.15
7.13
7.12
3.93
I
CO2Me
Instrument AV-300
Probe PABBO
Nombre O-I-benzoato de M
1-PROTON CDCl3 D:\\ SQO
1.0
1.0
1.0
1.0
3.1
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
ppm



2402.841
2402.030
2394.917
2394.107
2344.736
2343.025
2336.962
2335.282
2228.585
2227.475
2221.022
2220.032
2213.399
2212.318
2153.793
2152.052
2146.170
2144.519
2138.426
2136.746

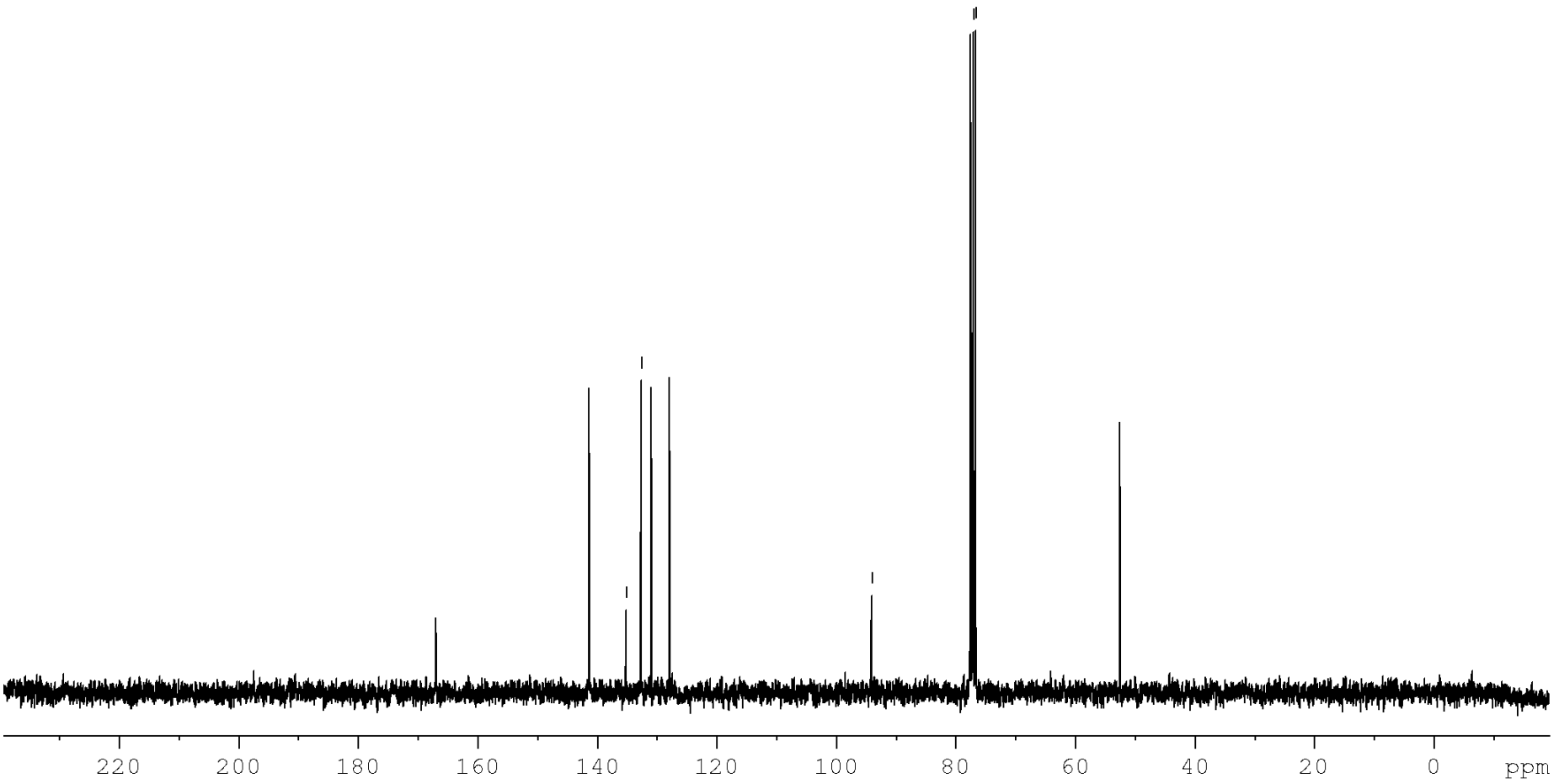
Instrument AV-300
Probe PABBO
Nombre O-I-benzoato de M
1-PROTON CDCl3 D:\\ SQO

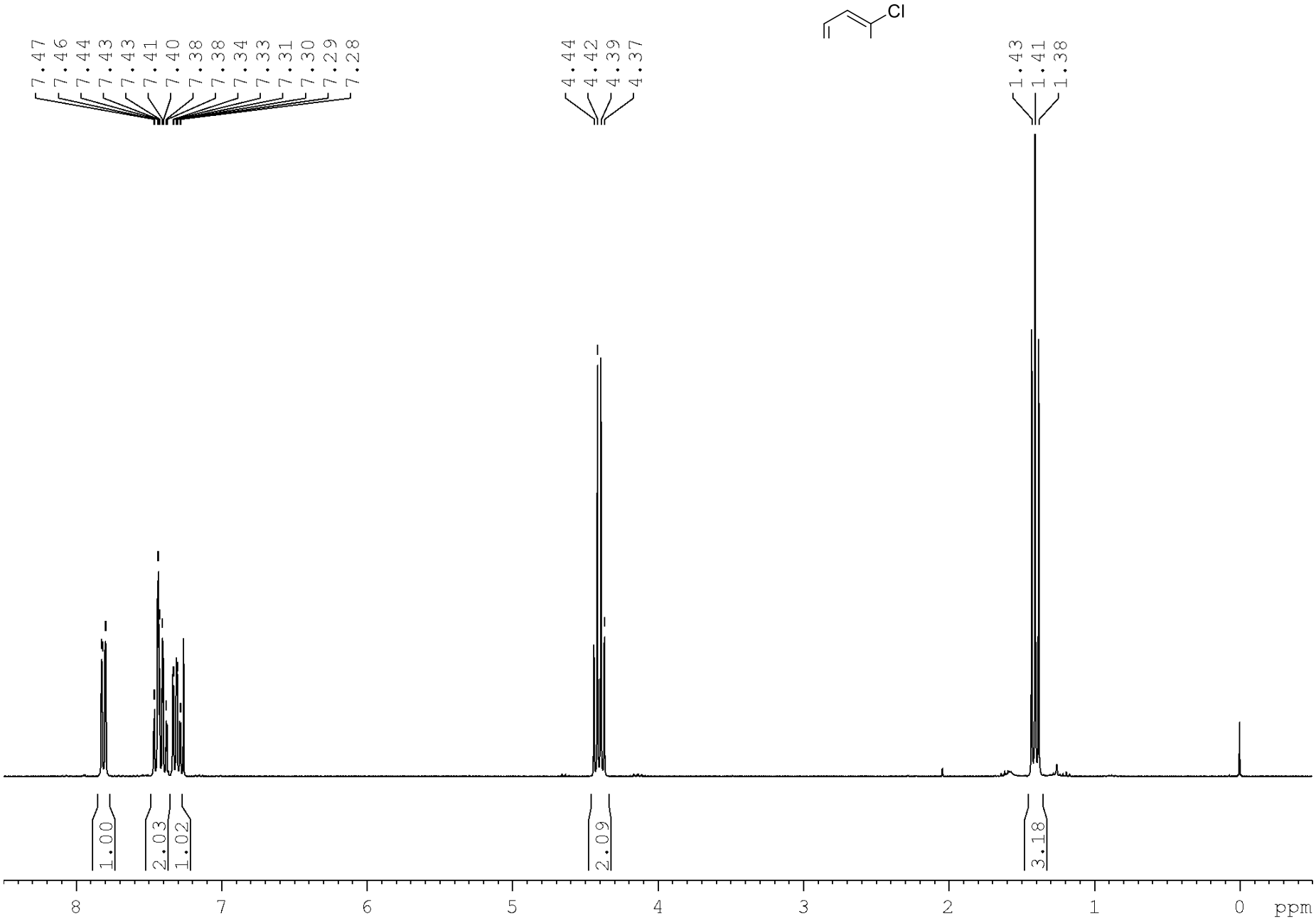


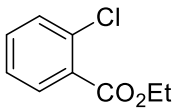


167.0
141.3
135.1
132.6
130.9
127.9
94.1
77.5
77.0
76.6
52.5

Instrument AV-300
Probe PABBO
Nombre O-I-benzoato
23-C13SINO CDCl3 D:\\ SQO 11



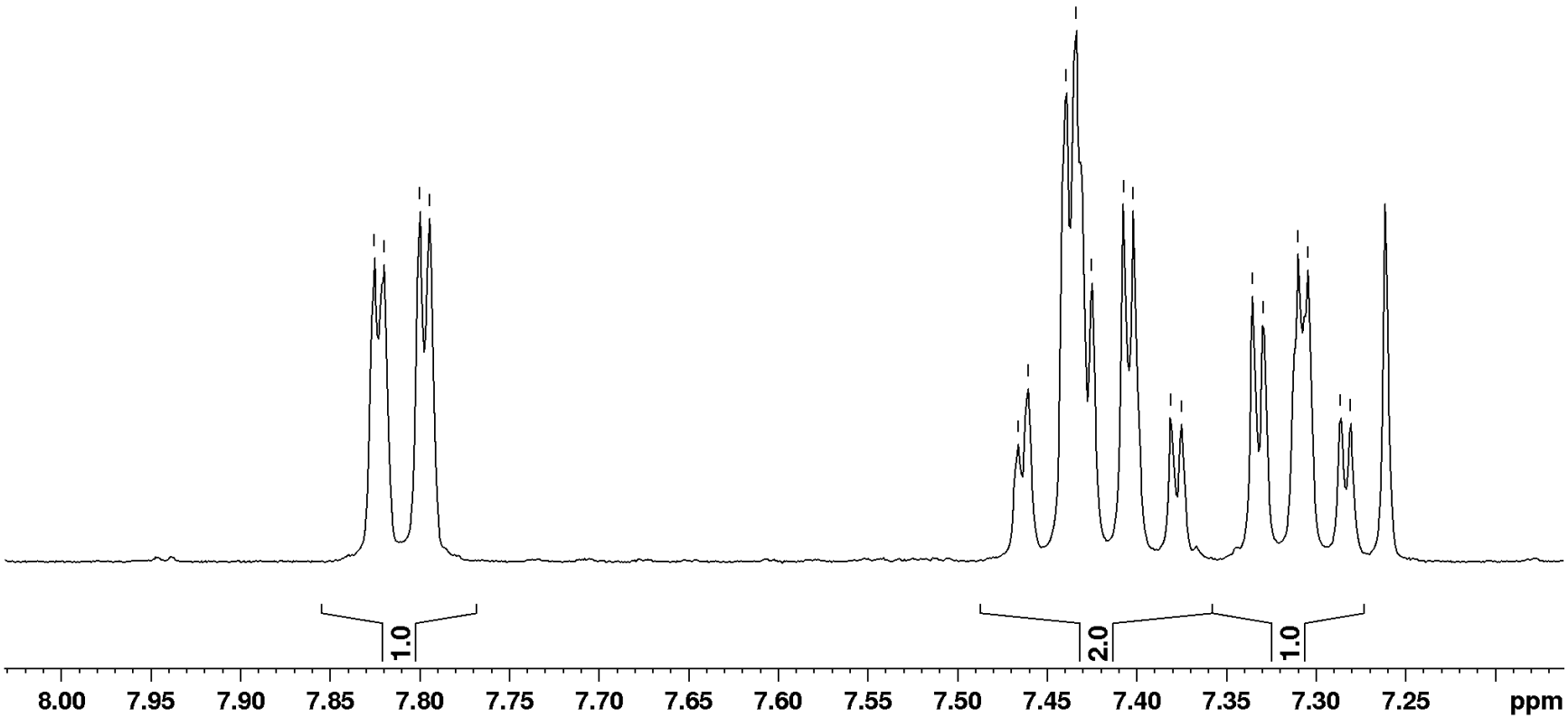

7.47
7.46
7.44
7.43
7.43
7.41
7.40
7.38
7.38
7.34
7.33
7.31
7.30
7.29
7.28
4.44
4.42
4.39
4.37
1.43
1.41
1.38
Cl
1.00
2.03
1.02
2.09
3.18
8
7
6
5
4
3
2
1
0
ppm

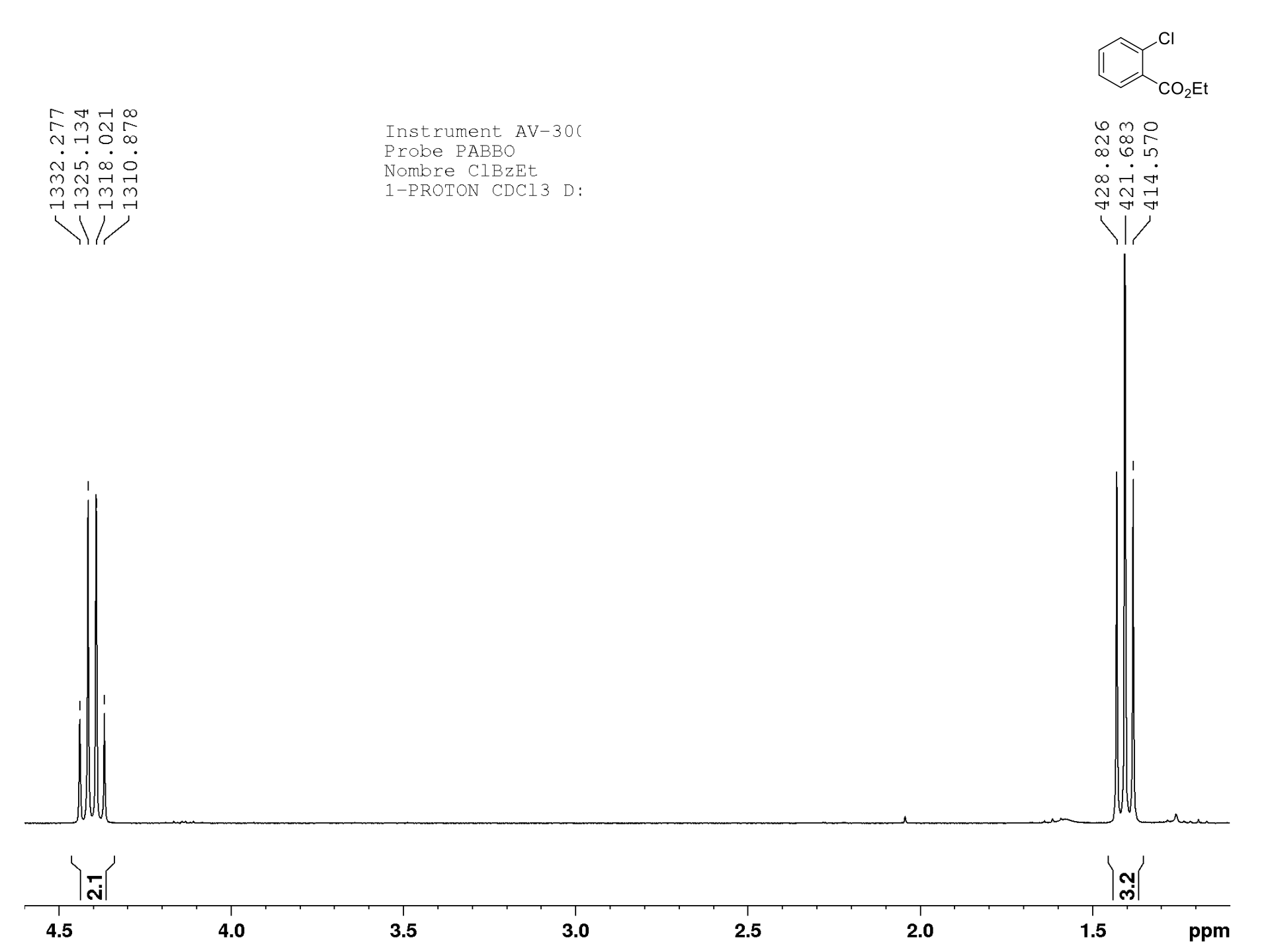


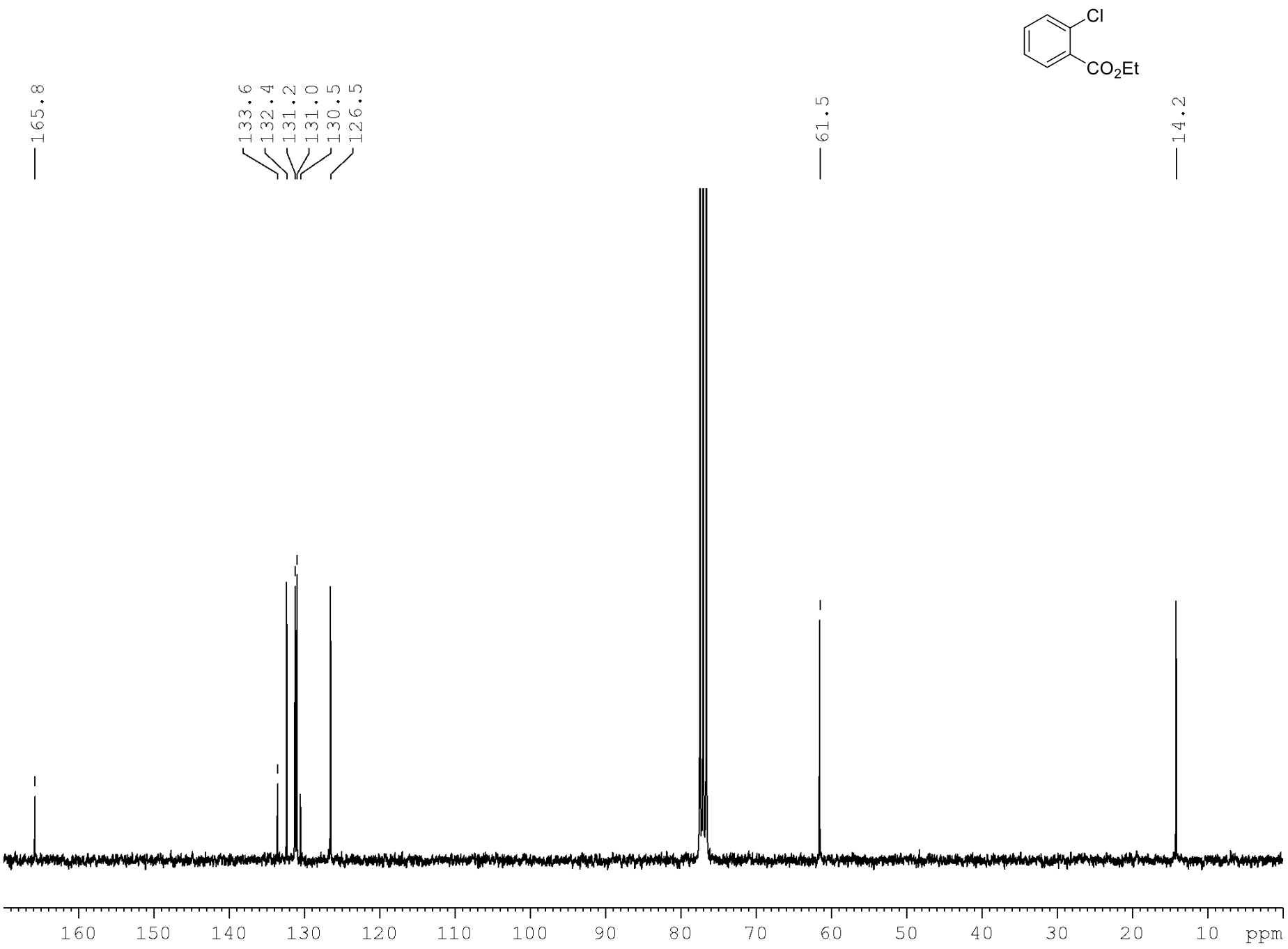
Instrument AV-30(
Probe PABBO
Nombre ClBzEt
1-PROTON CDCl3 D:

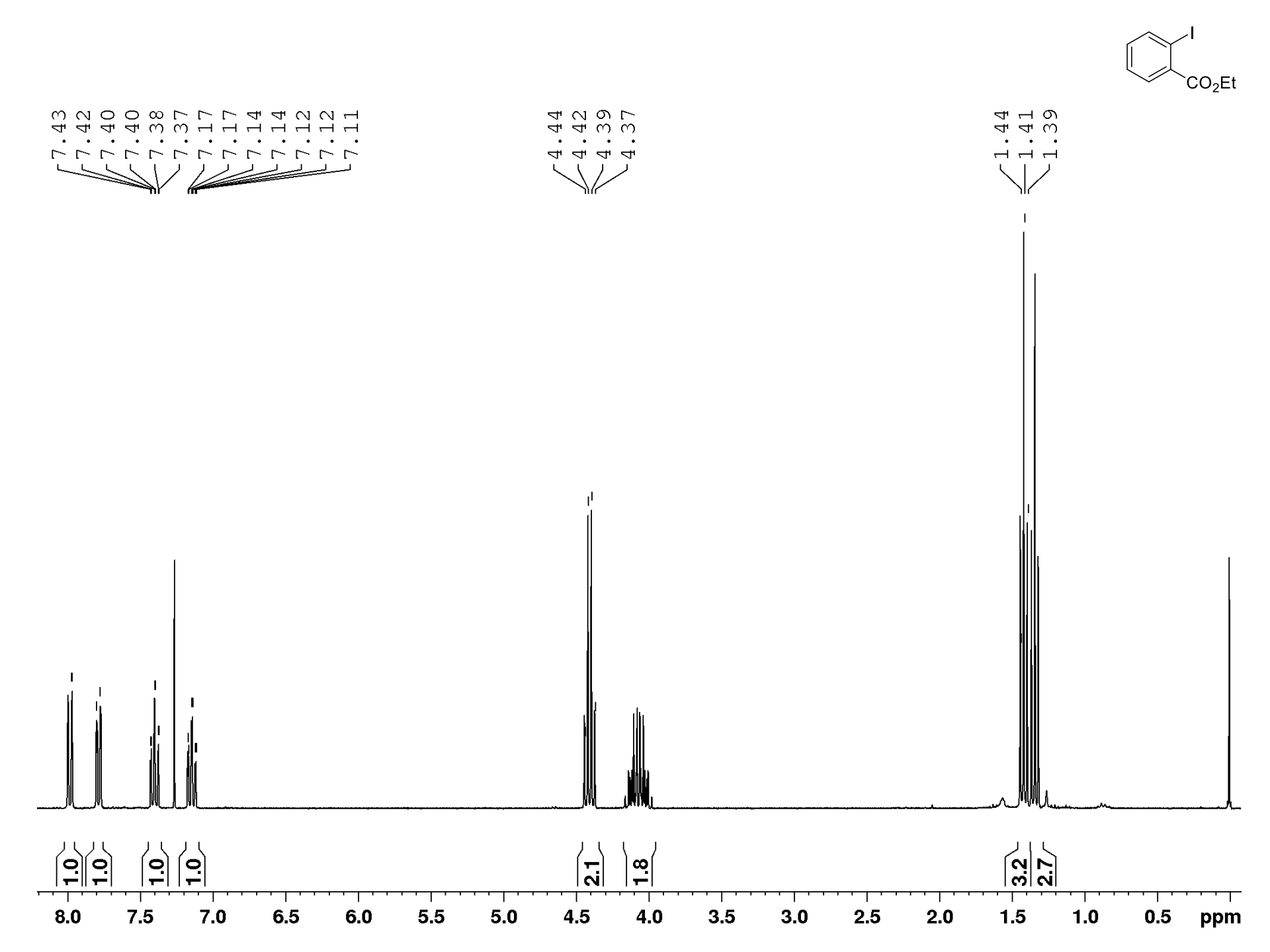
2348.637
2347.047
2341.074
2339.393

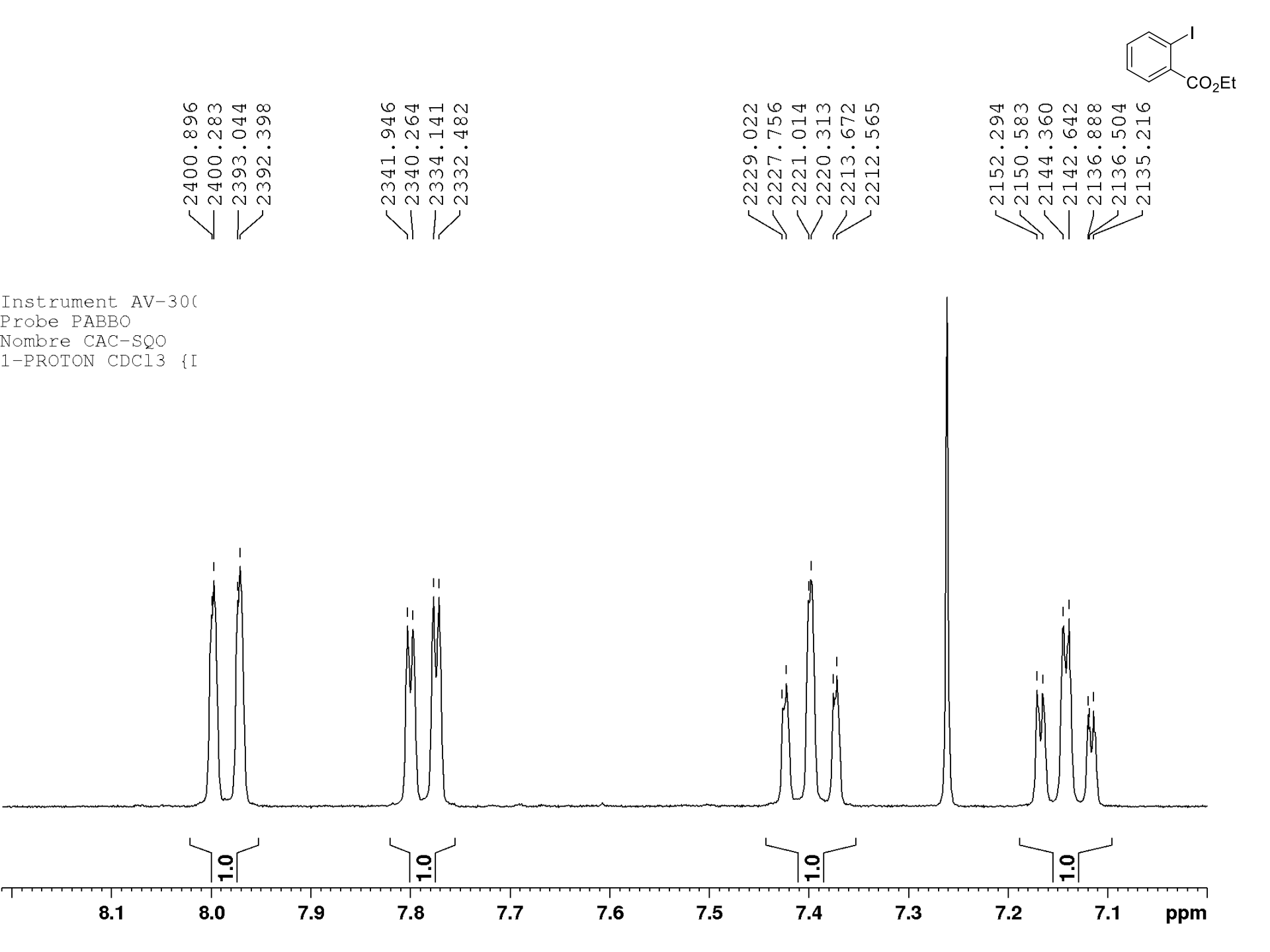
2240.861
2239.240
2232.877
2231.196
2228.555
2223.243
2221.592
2215.320
2213.519
2201.604
2199.833
2193.980
2192.330
2186.927
2185.247

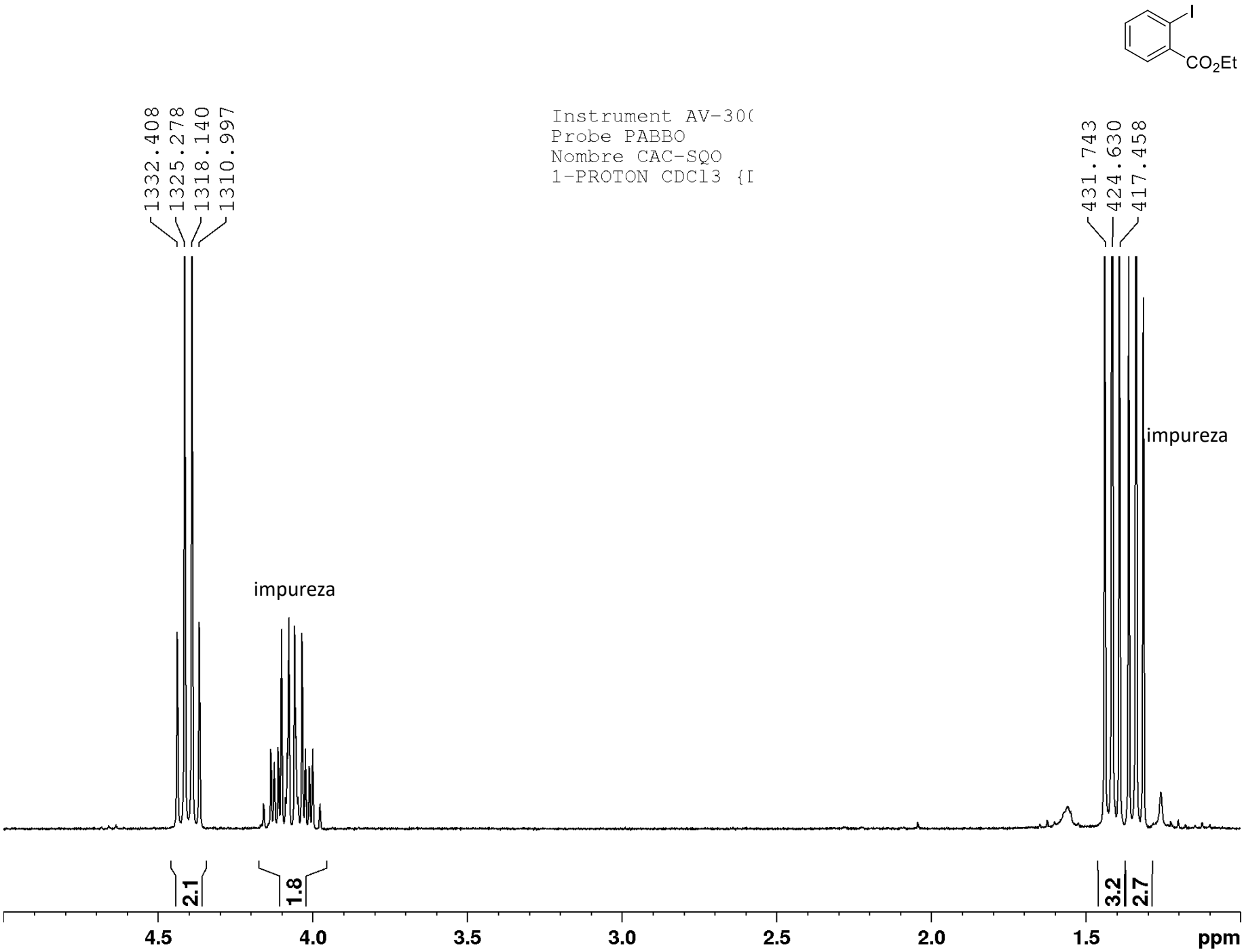


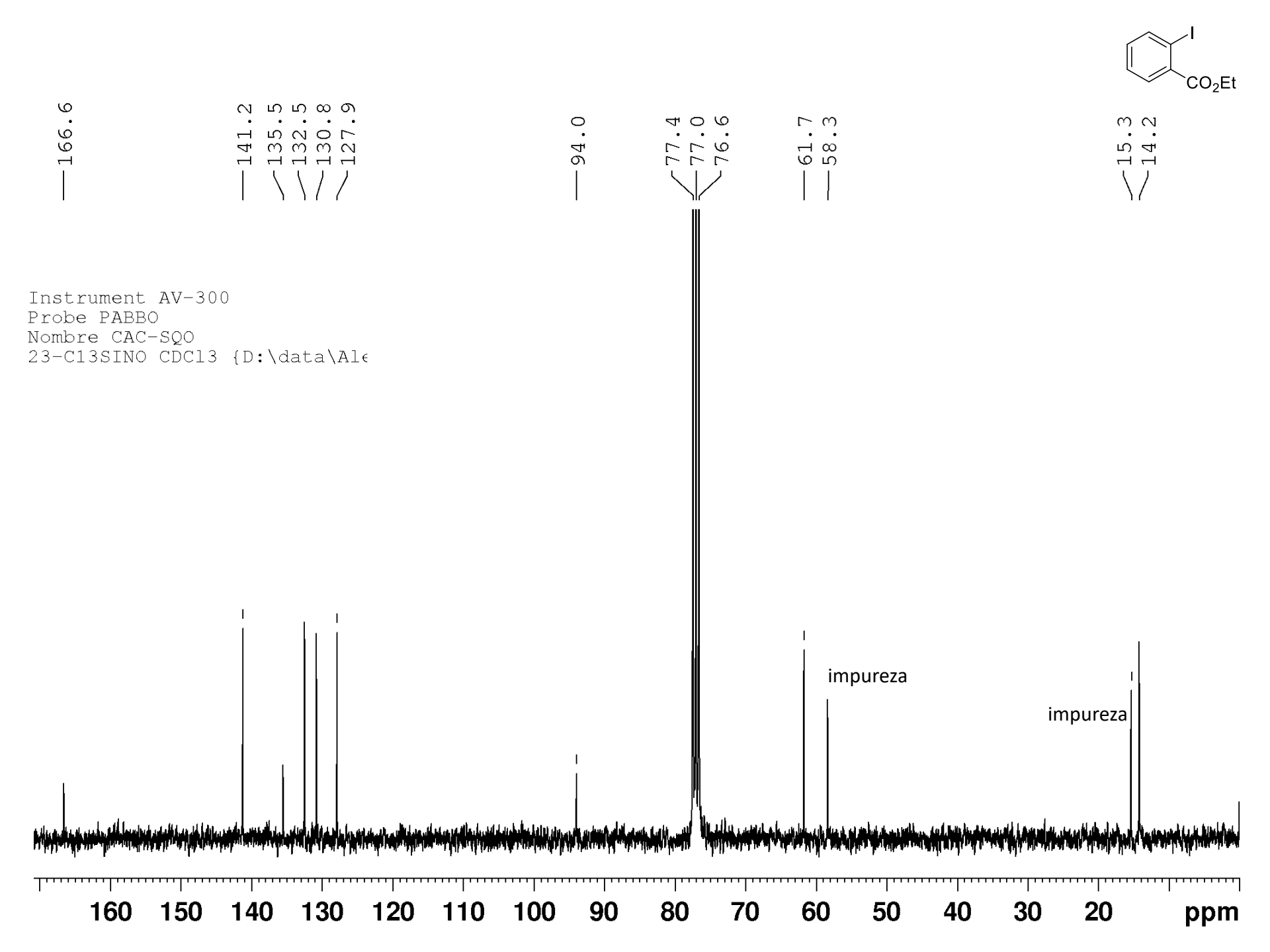

Cl
CO2Et
1332.277
1325.134
1318.021
1310.878
Instrument AV-30(
Probe PABBO
Nombre ClBzEt
1-PROTON CDCl3 D:
428.826
421.683
414.570
2.1
3.2
4.5
4.0
3.5
3.0
2.5
2.0
1.5
ppm


Cl
CO2Et
165.8
133.6
132.4
131.2
131.0
130.5
126.5
61.5
14.2
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
ppm


I
CO2Et
7.43
7.42
7.40
7.40
7.38
7.37
7.17
7.17
7.14
7.14
7.12
7.12
7.11
4.44
4.42
4.39
4.37
1.44
1.41
1.39
1.0
1.0
1.0
1.0
2.1
1.8
3.2
2.7
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
ppm


I
CO2Et
2400.896
2400.283
2393.044
2392.398
2341.946
2340.264
2334.141
2332.482
2229.022
2227.756
2221.014
2220.313
2213.672
2212.565
2152.294
2150.583
2144.360
2142.642
2136.888
2136.504
2135.216
Instrument AV-30(
Probe PABBO
Nombre CAC-SQO
1-PROTON CDCl3 {I
1.0
1.0
1.0
1.0
8.1
8.0
7.9
7.8
7.7
7.6
7.5
7.4
7.3
7.2
7.1
ppm


I
CO2Et
1332.408
1325.278
1318.140
1310.997
Instrument AV-30(
Probe PABBO
Nombre CAC-SQO
1-PROTON CDCl3 {I
431.743
424.630
417.458
impureza
impureza
2.1
1.8
3.2
2.7
4.5
4.0
3.5
3.0
2.5
2.0
1.5
ppm


I
CO2Et
166.6
141.2
135.5
132.5
130.8
127.9
94.0
77.4
77.0
76.6
61.7
58.3
15.3
14.2
Instrument AV-300
Probe PABBO
Nombre CAC-SQO
23-C13SINO CDCl3 {D:\data\Ale
impureza
impureza
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
ppm