

Supporting Information

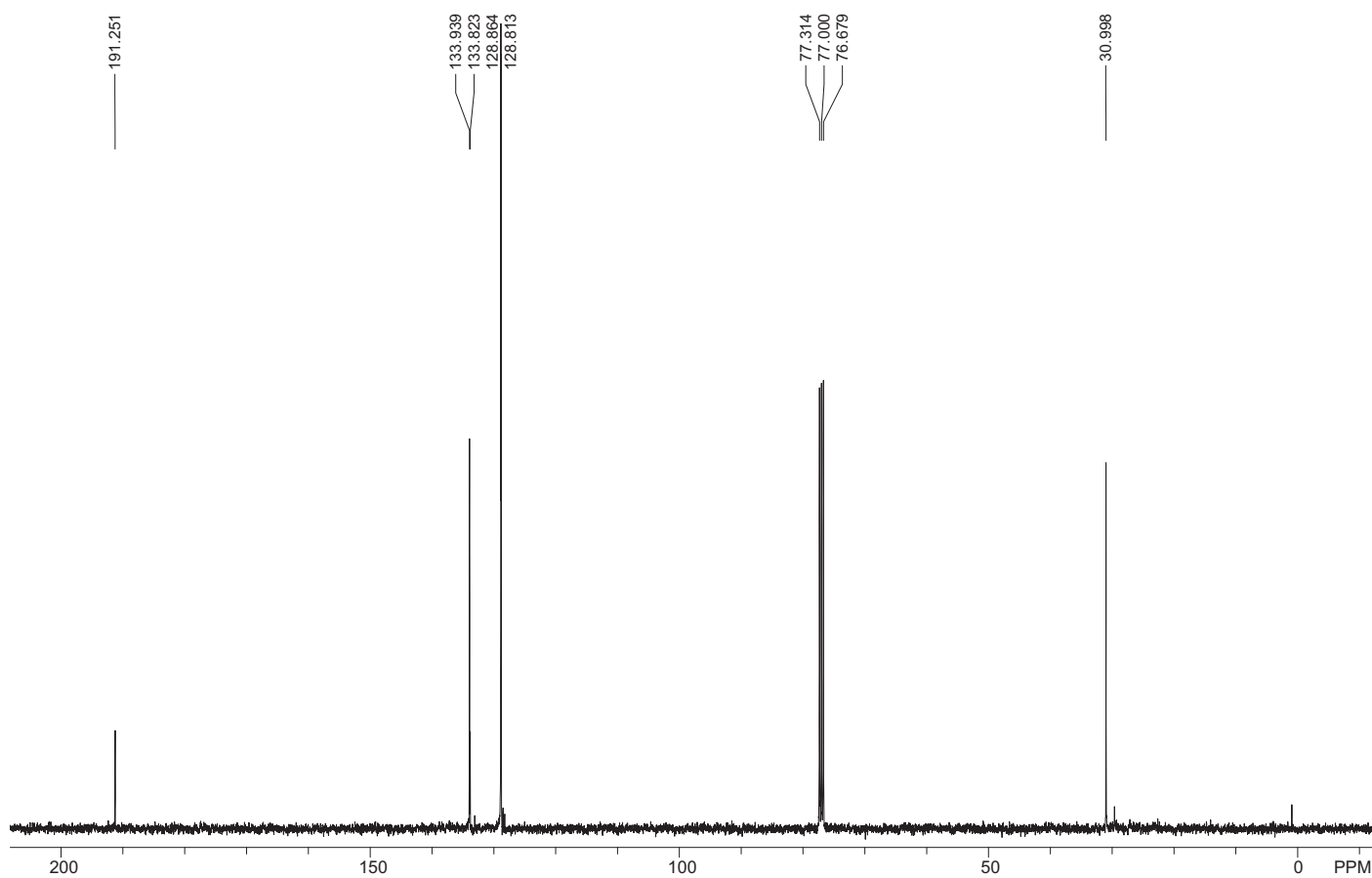
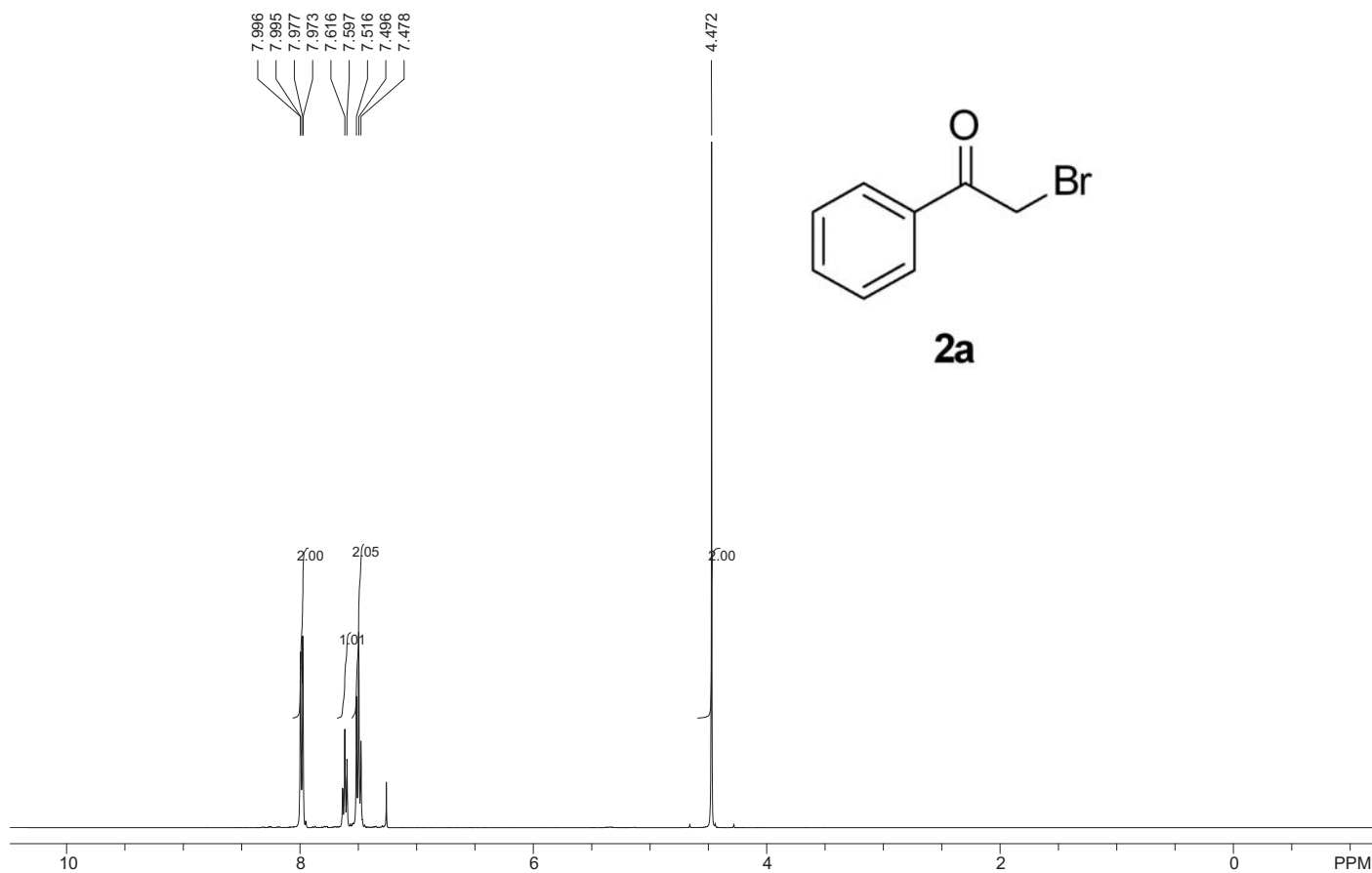
Gold-Catalyzed Hydration of Haloalkynes to α -Halomethyl Ketones

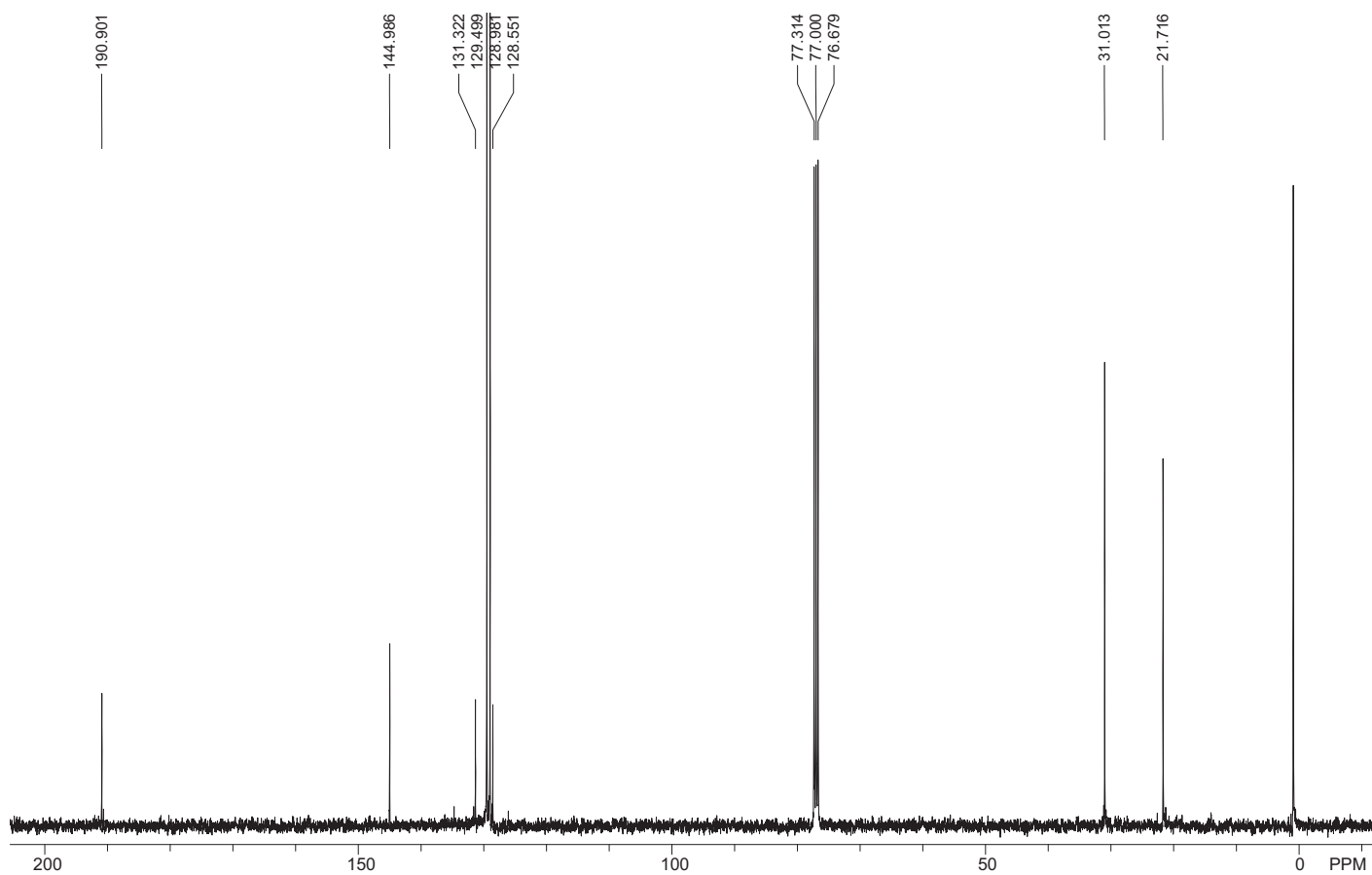
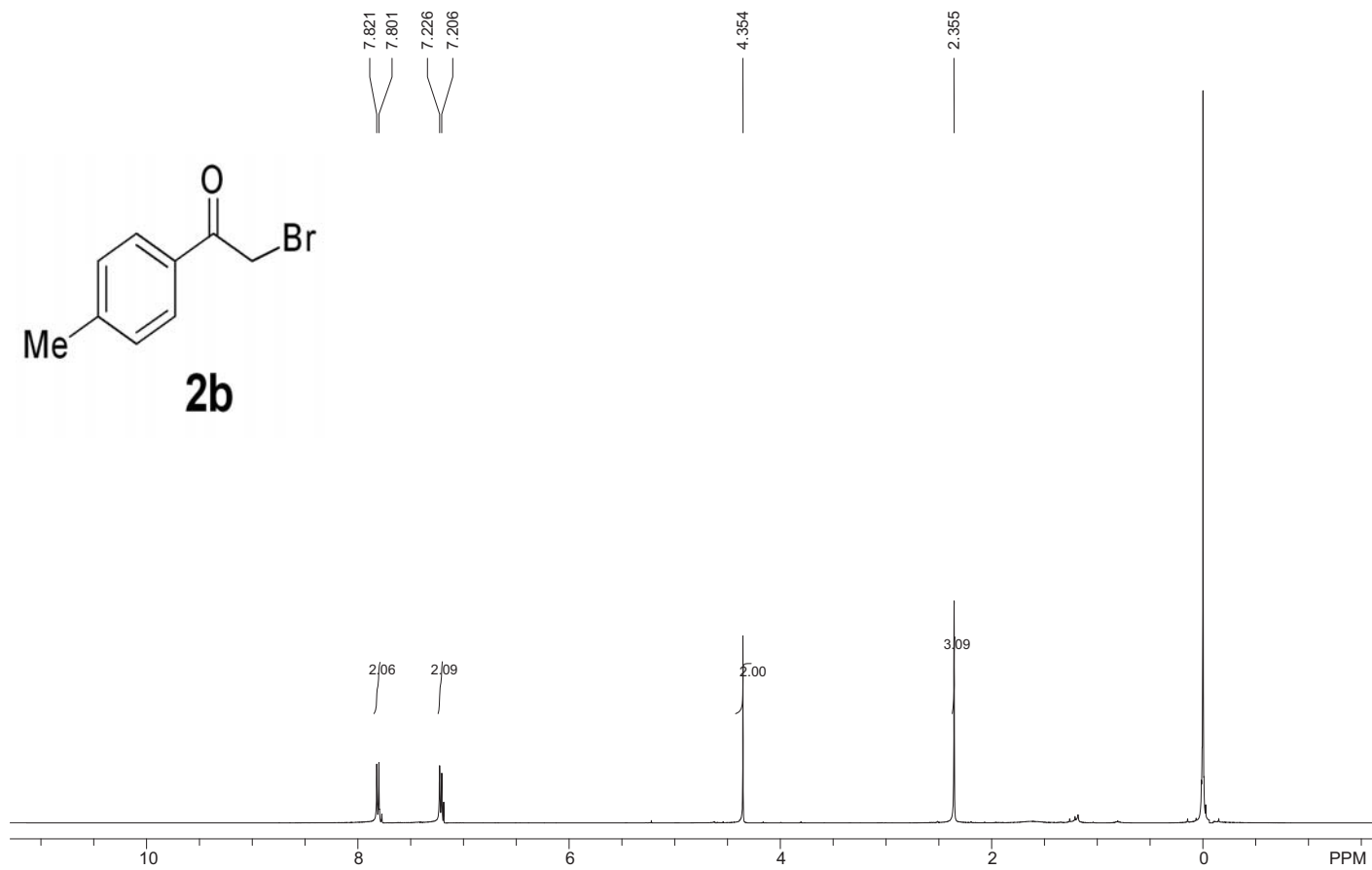
Longyong Xie^a, Yundong Wu^a, Weiguo Yi^b, Lei Zhu^a, Jiannan Xiang^{a,*} and Weimin He^{a,*}

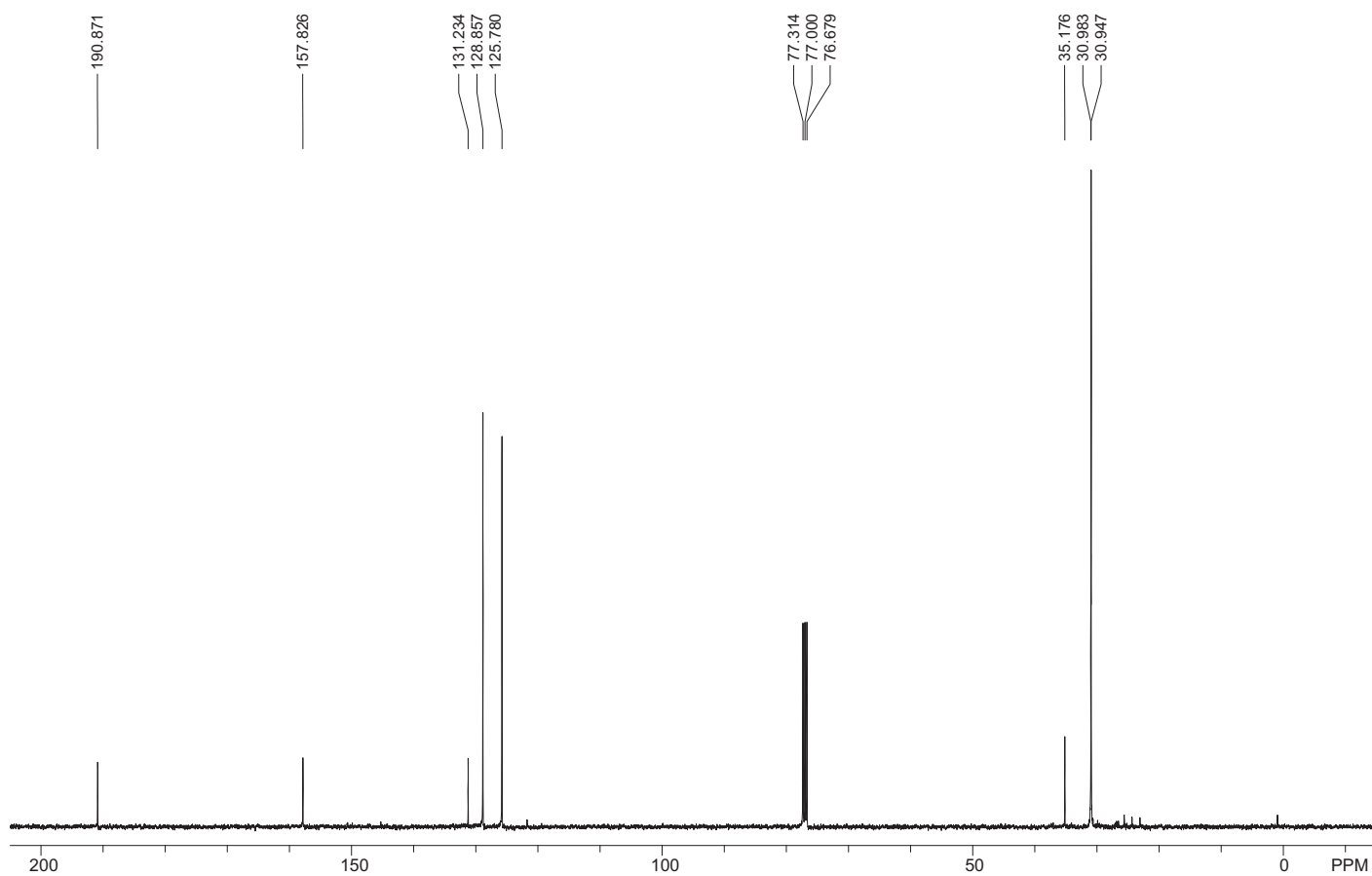
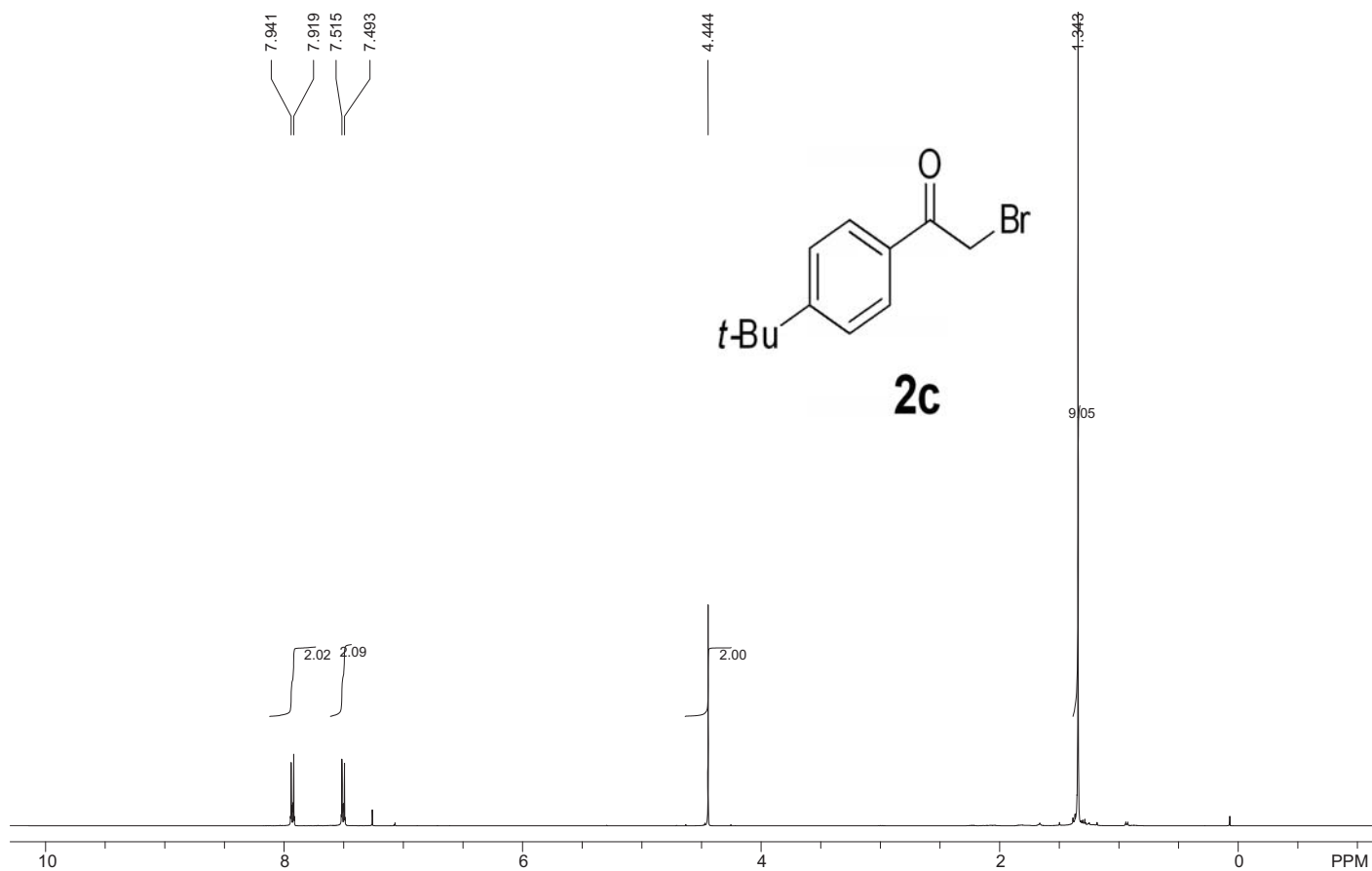
^a State Key Laboratory of Chemo/Biosensing and Chemometrics, College of Chemistry and Chemical Engineering, Hunan University, Changsha, 410082, P.R. of China

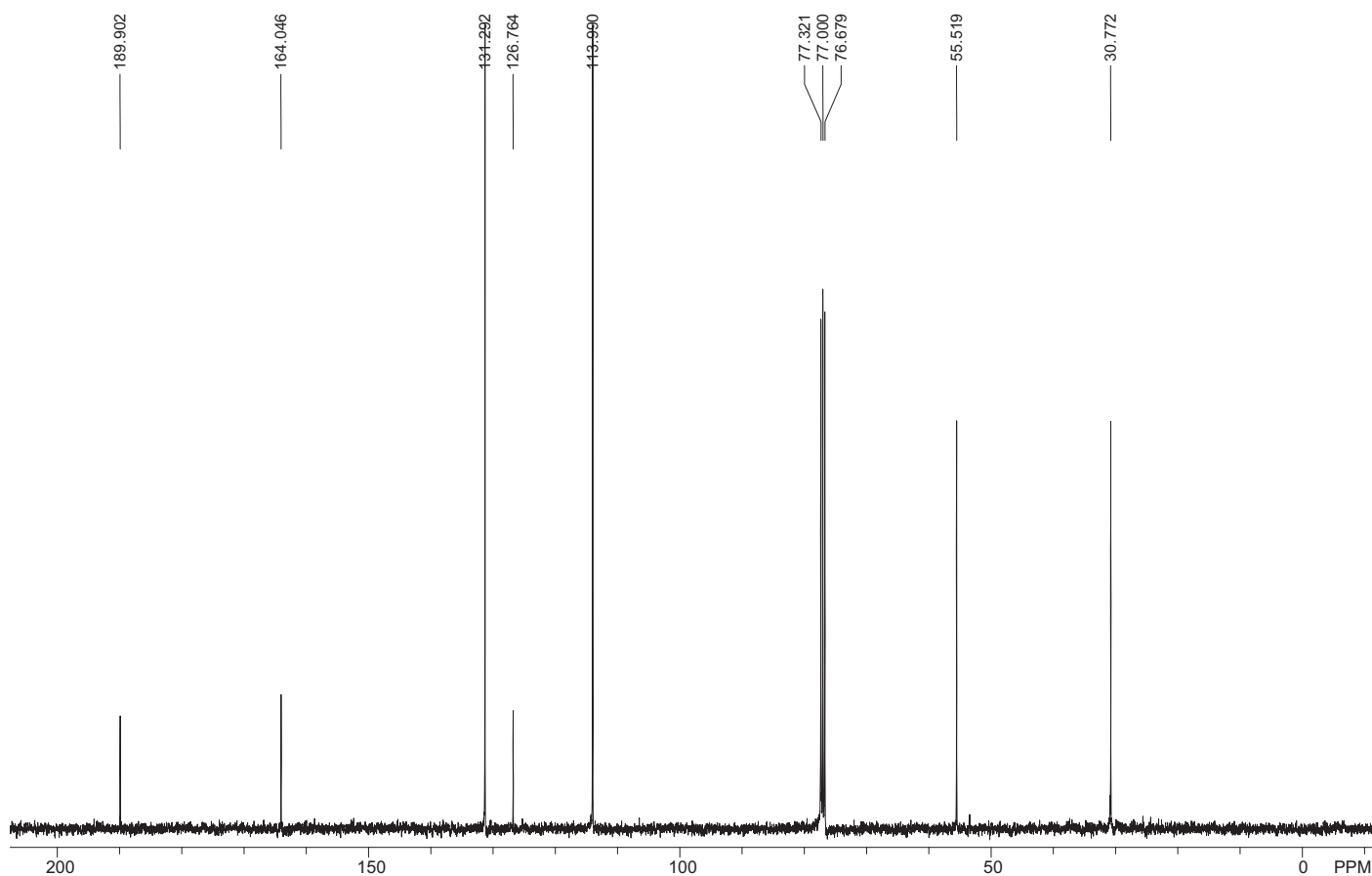
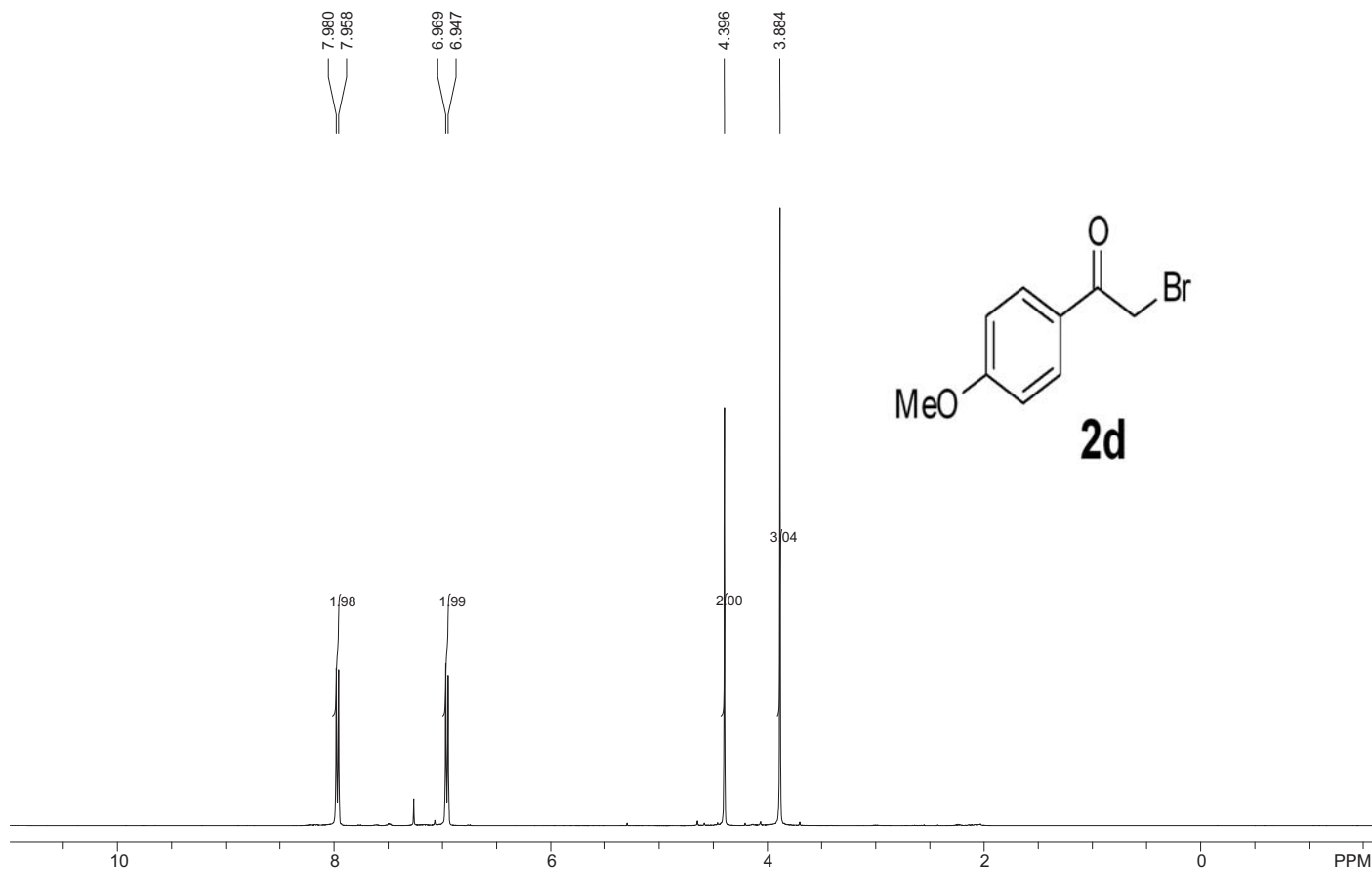
^b Hunan Chemical Industry Vocation Technology Institute, Qingshi Road, Zhuzhou, 412004, China

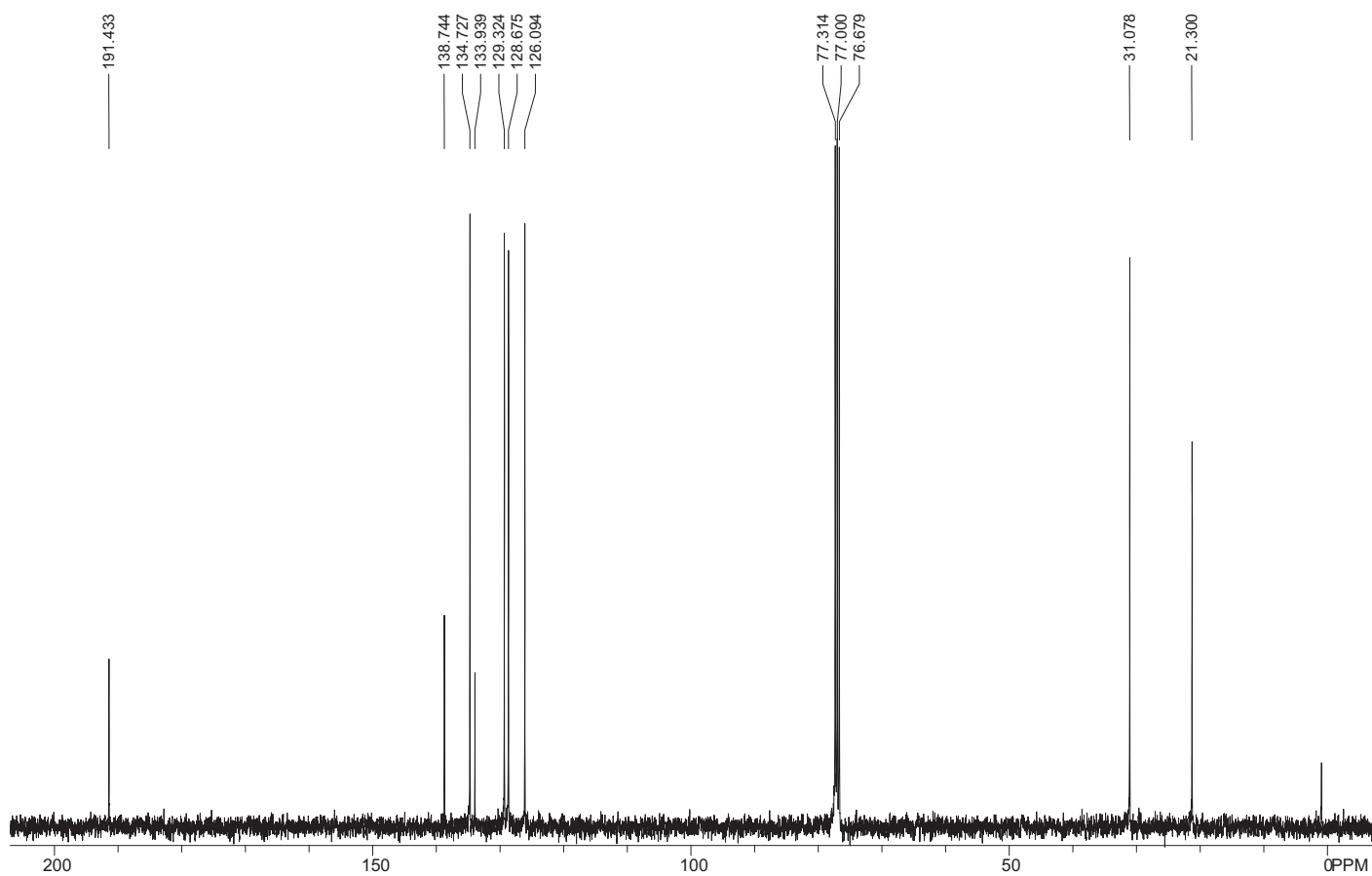
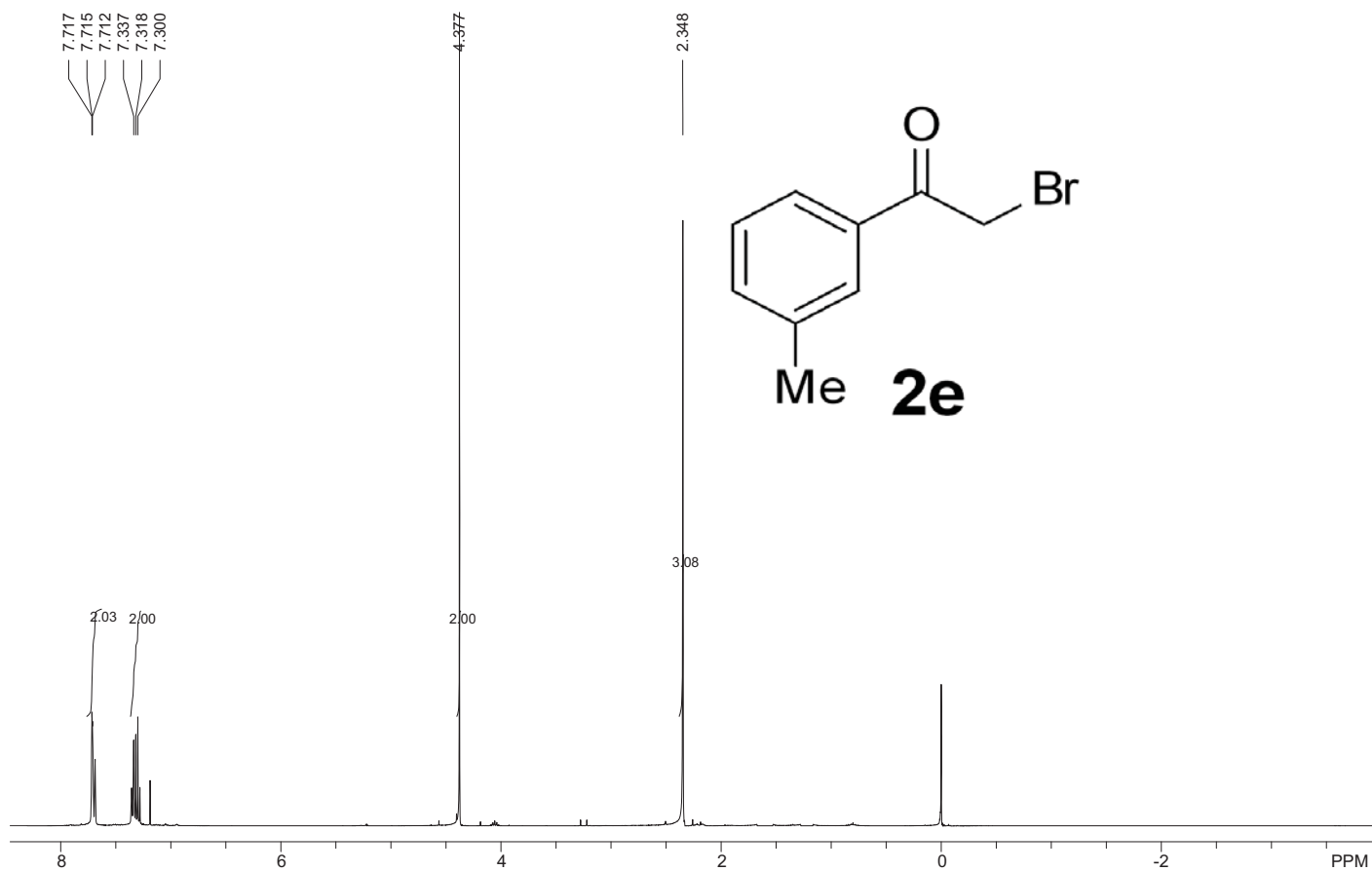
Content	Page number
¹ H and ¹³ C NMR spectra of 2a-2w,2z,2aa and 2ab	S2-S27
¹ H and ¹³ C NMR spectra of 3a and 3b	S28-S29

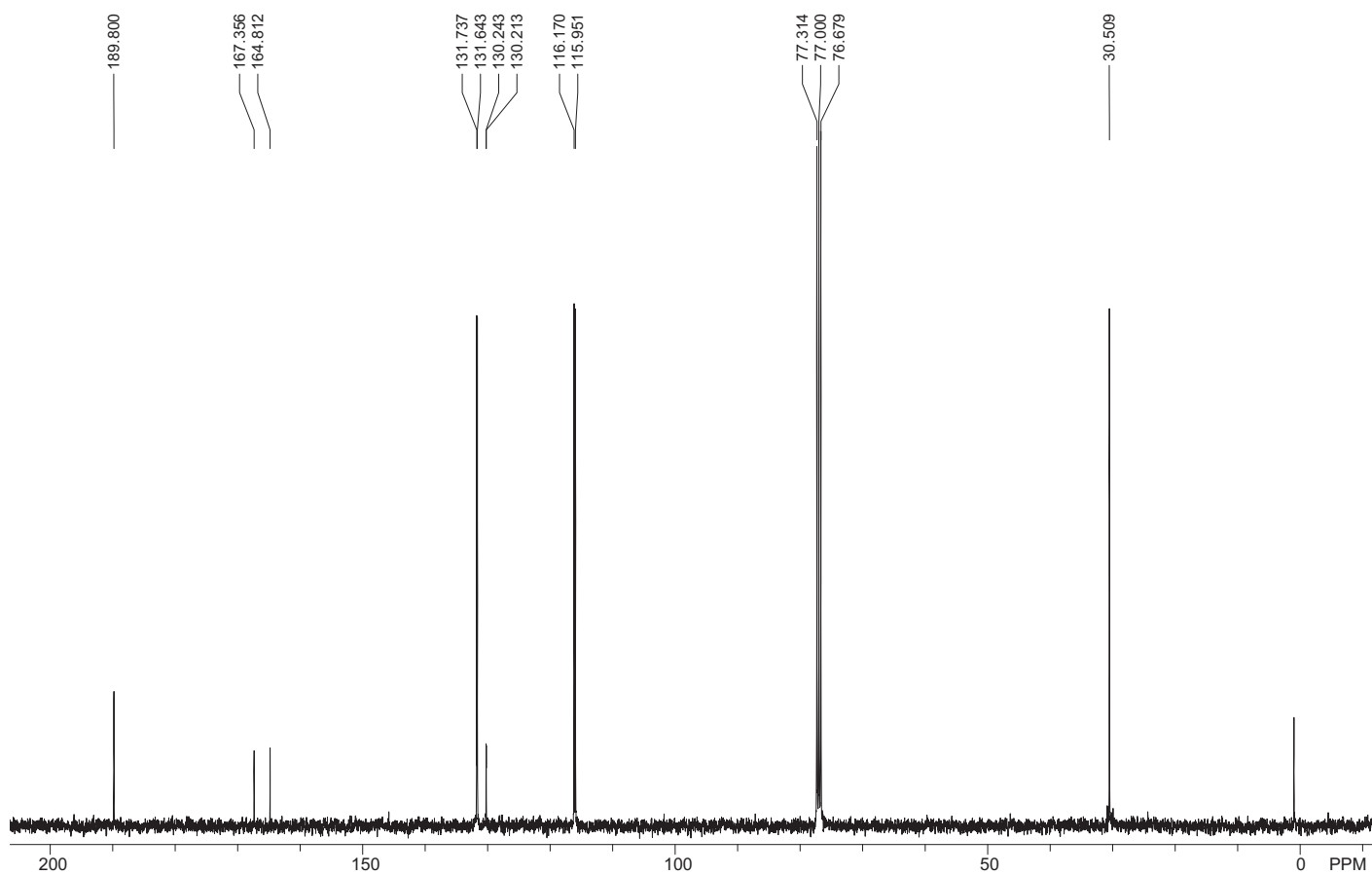
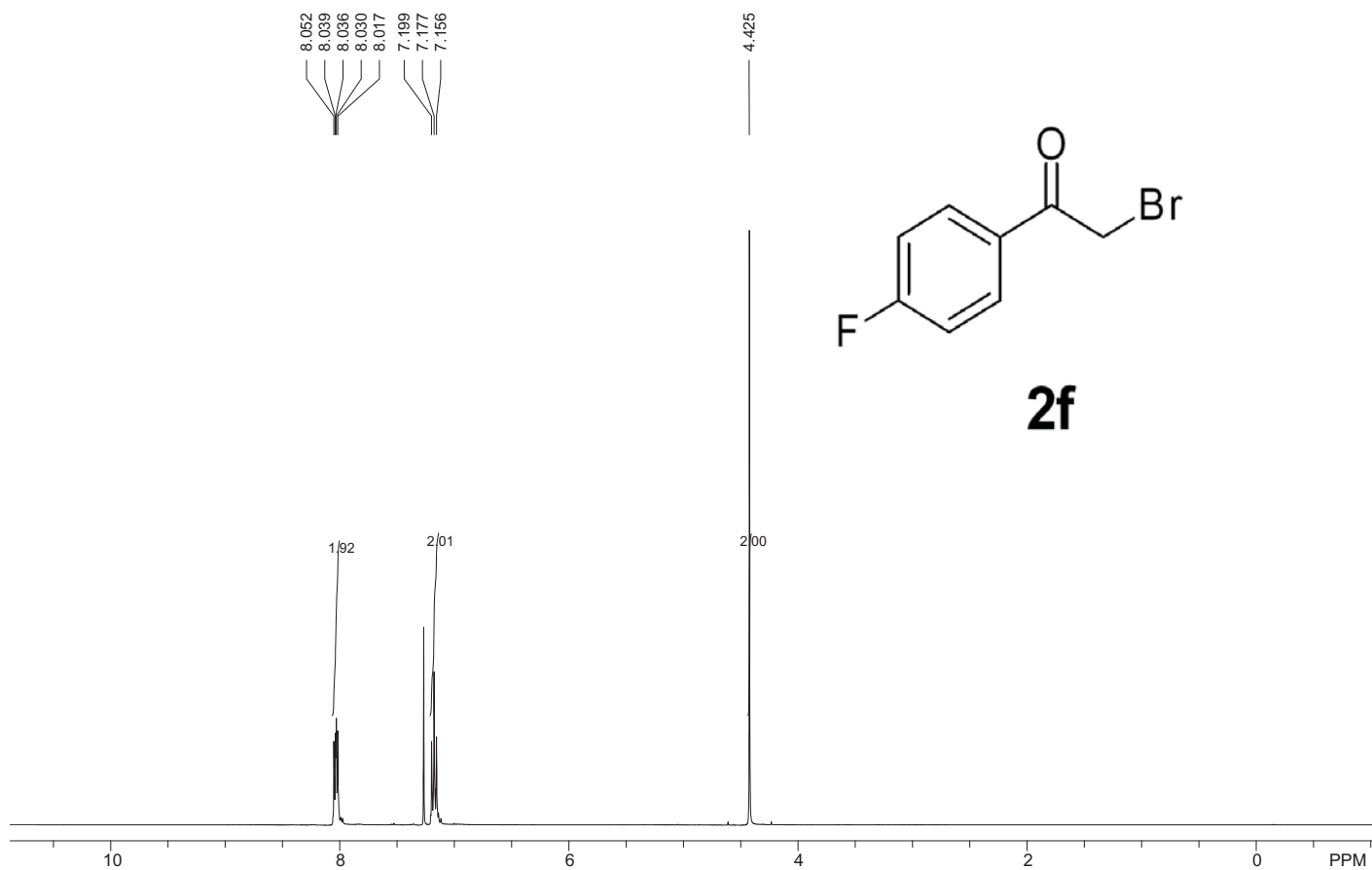


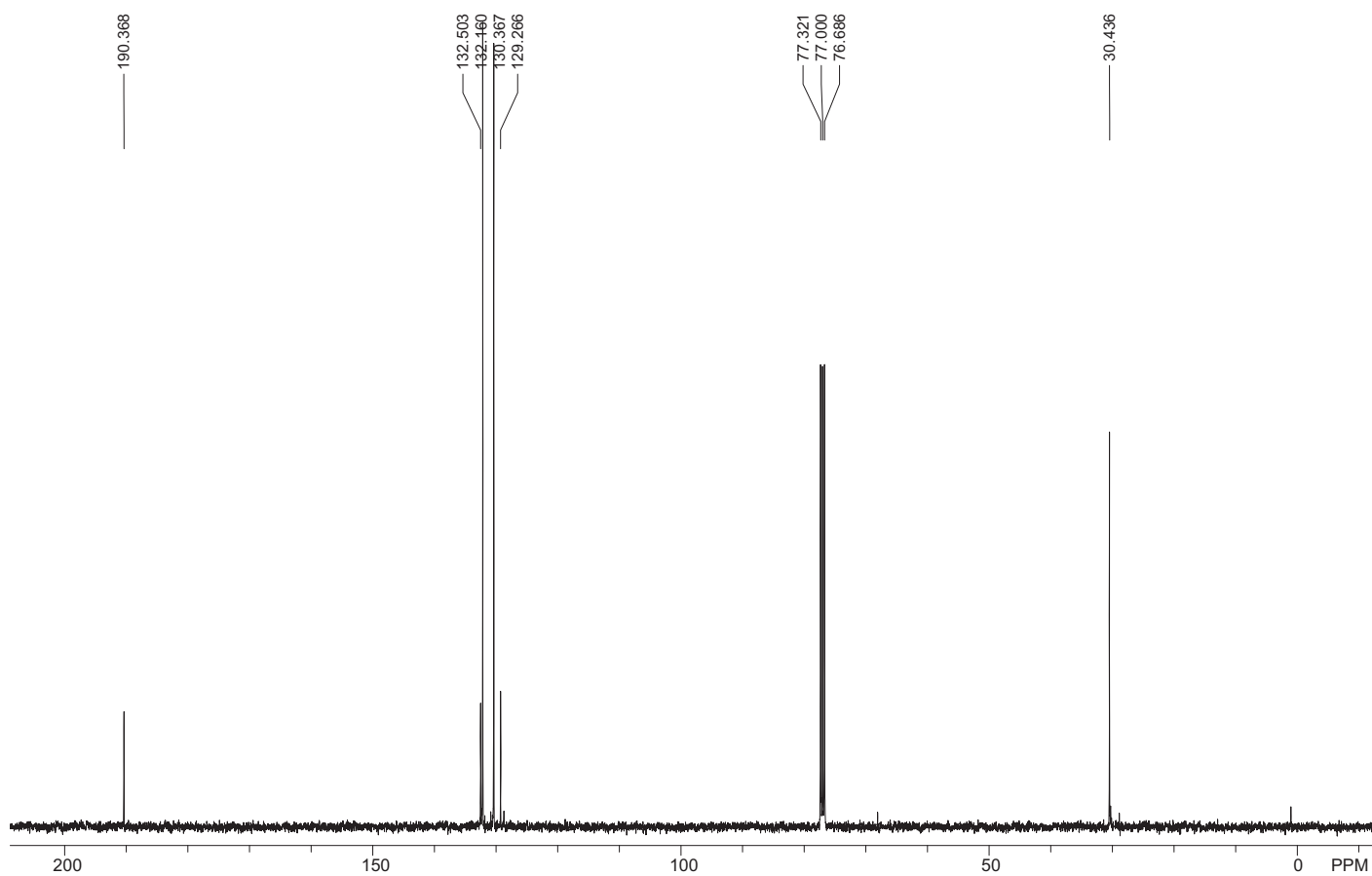


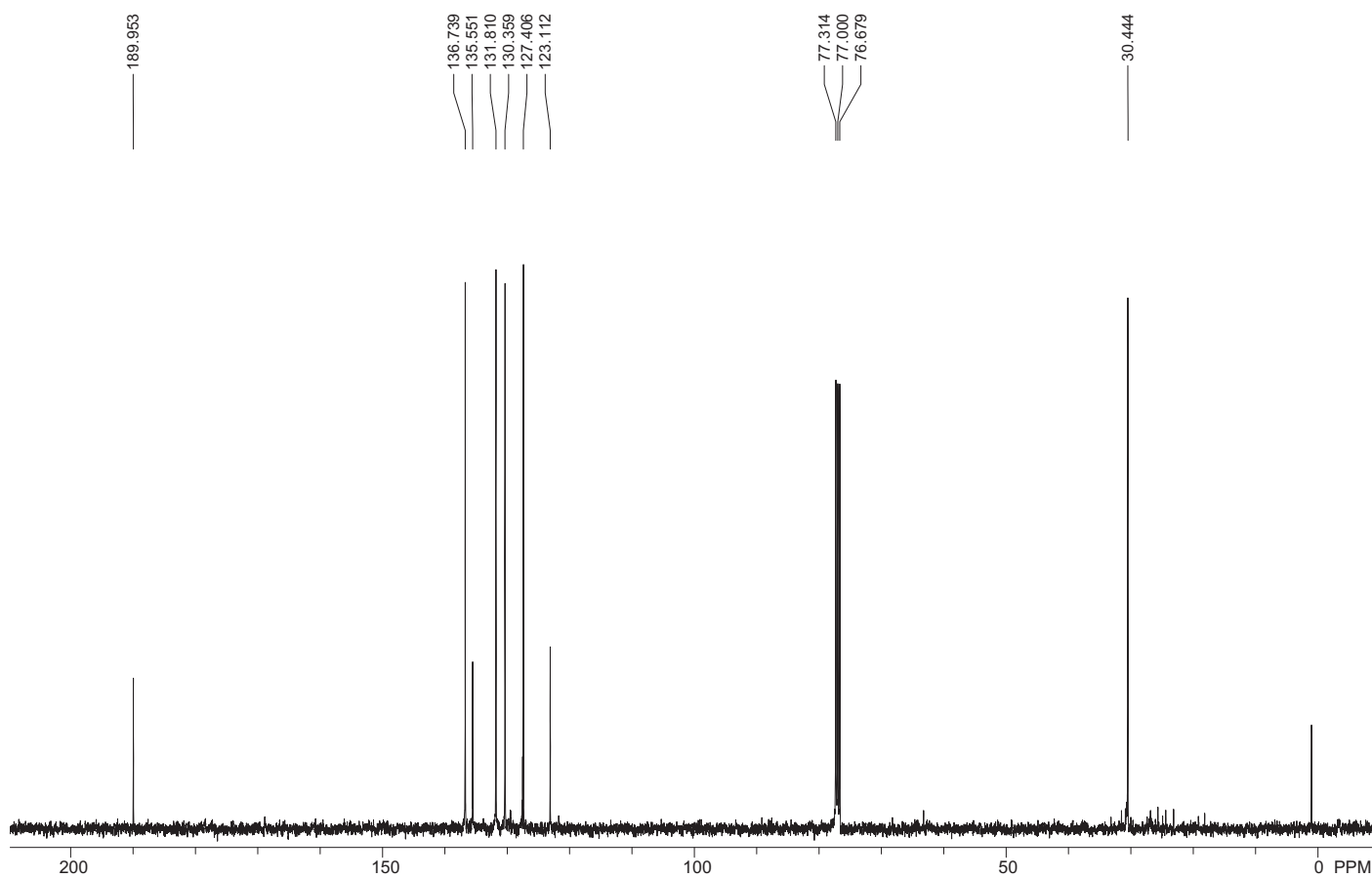
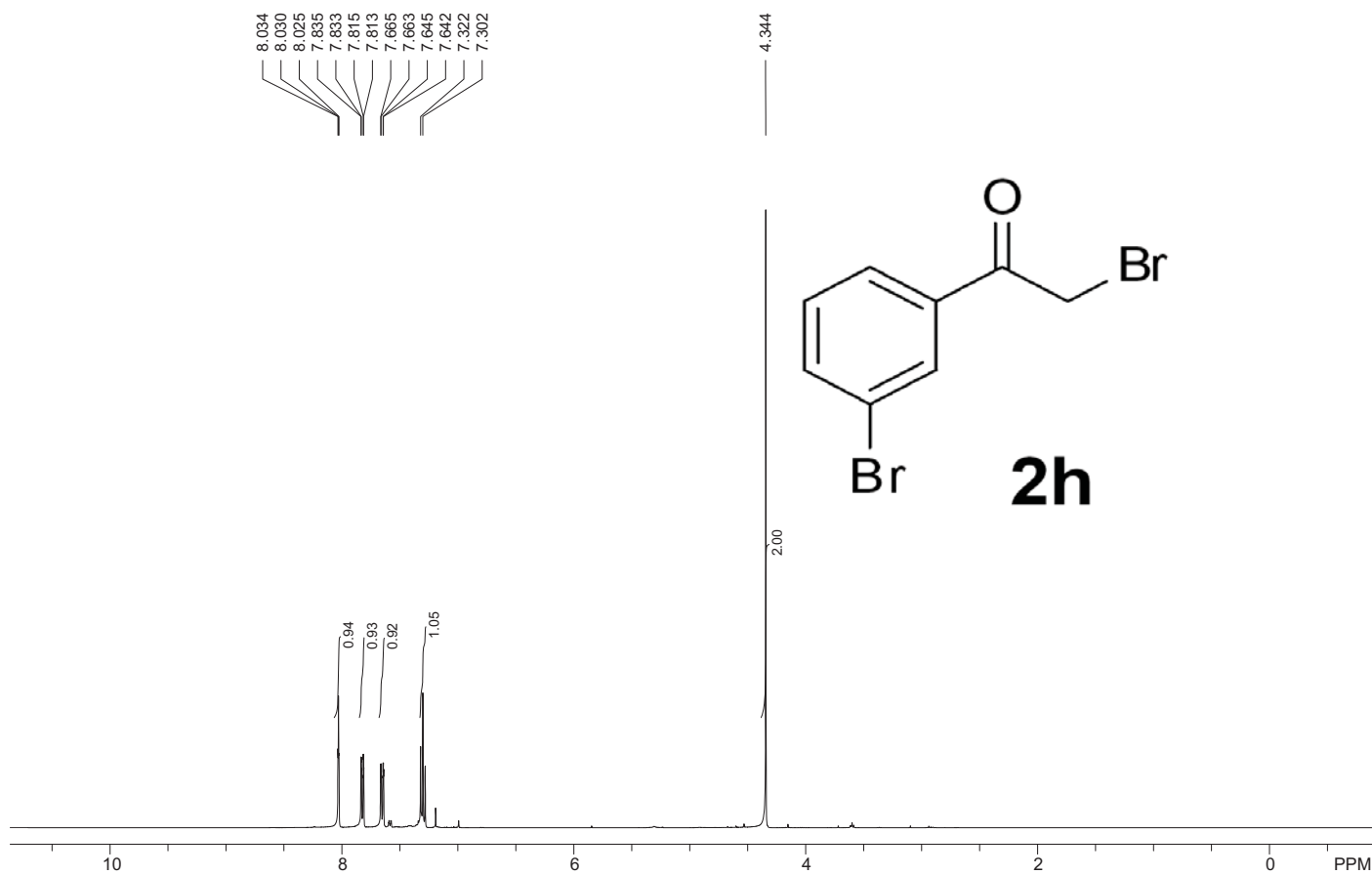


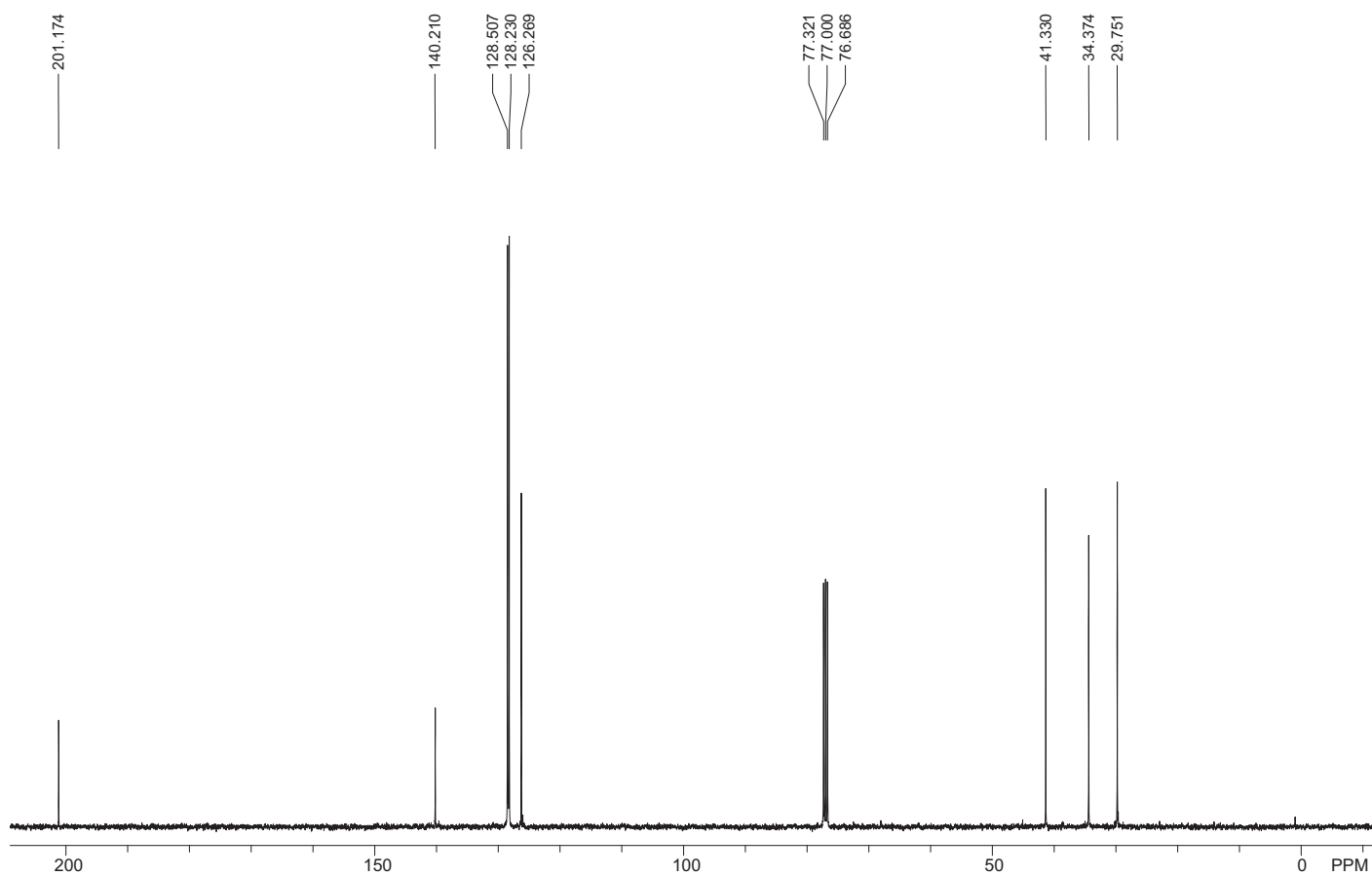
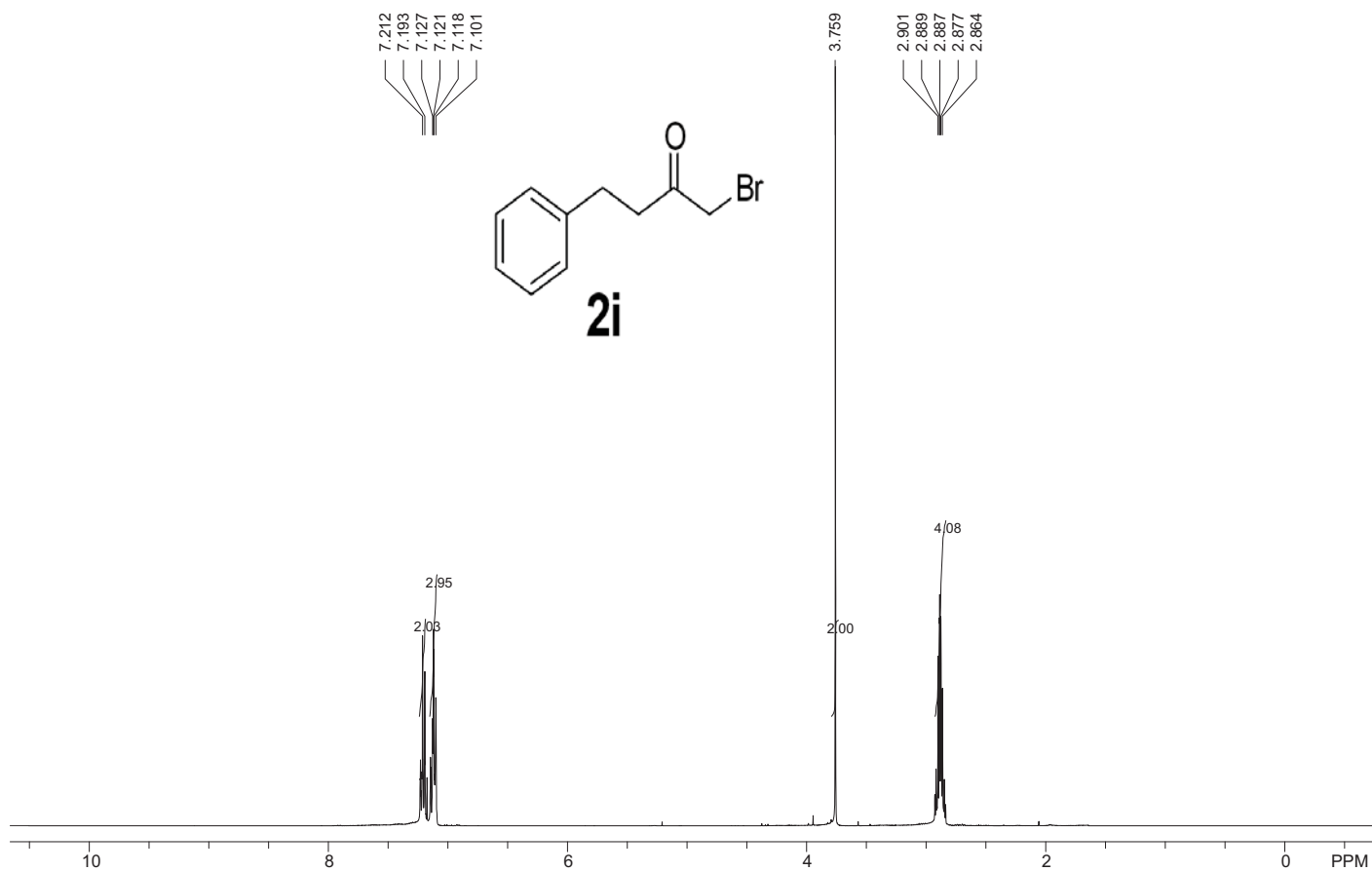


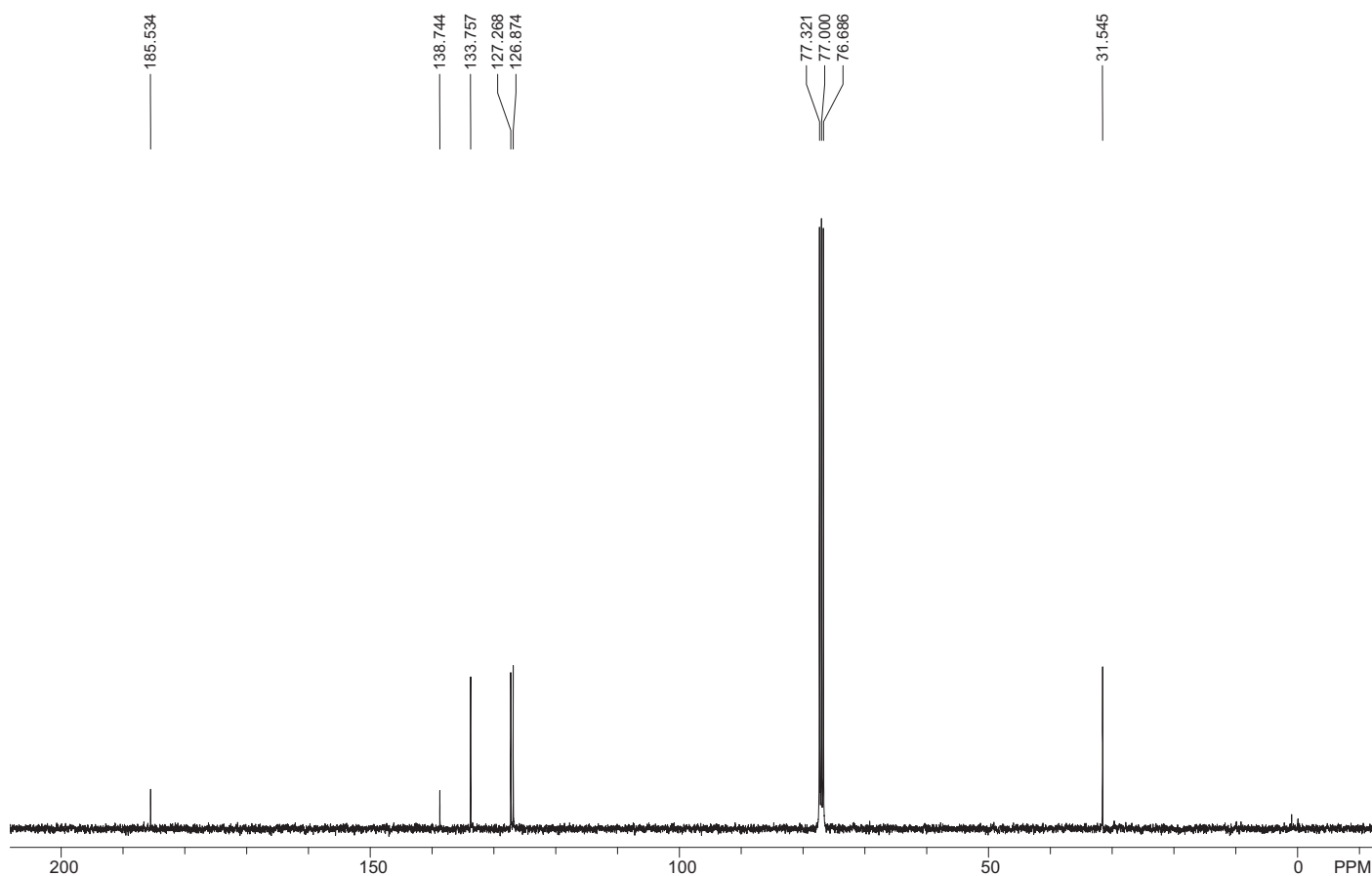


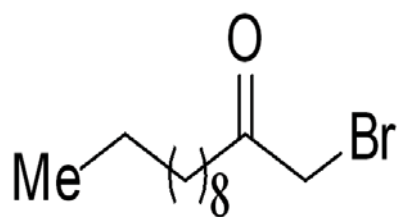




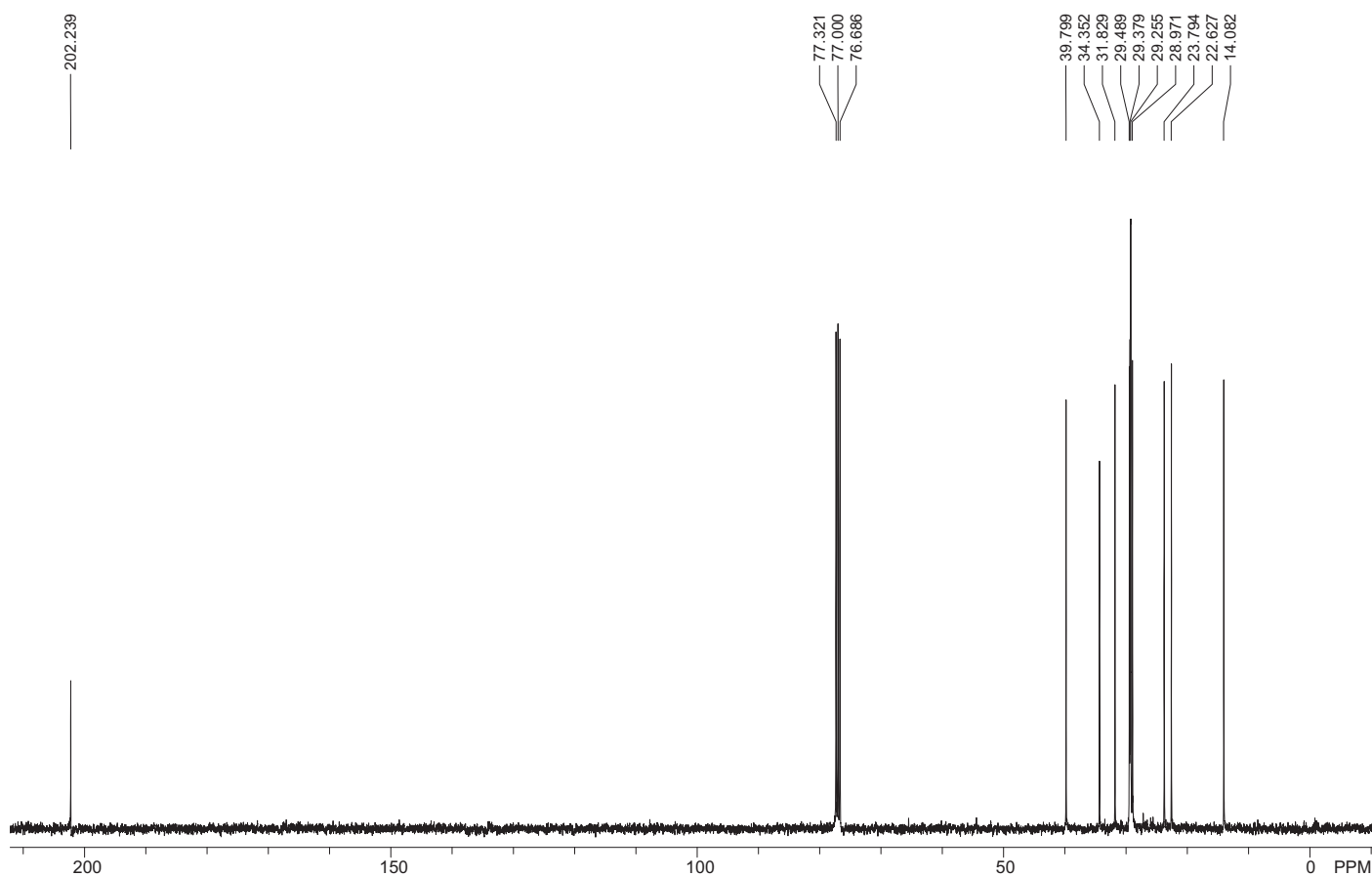
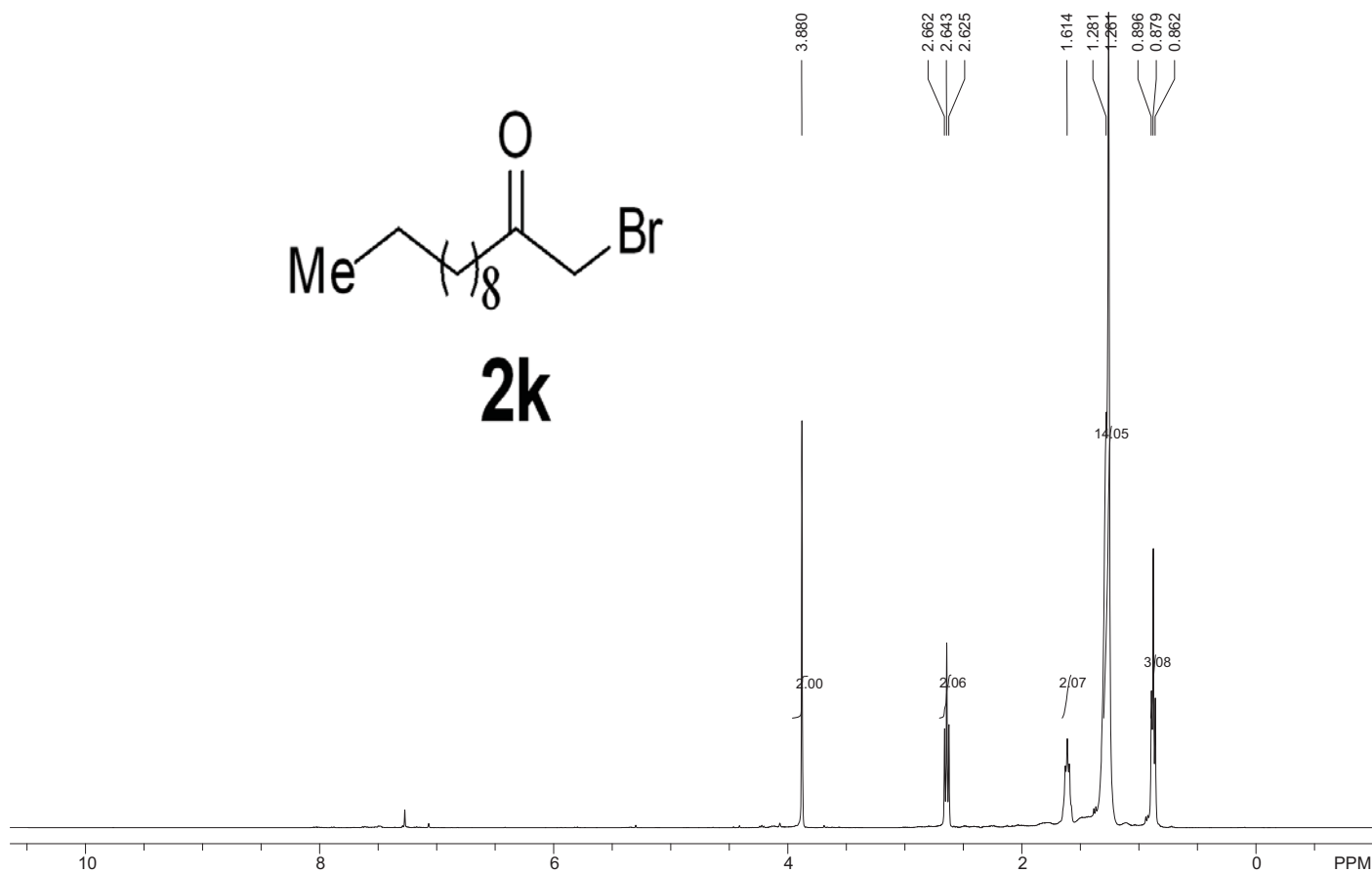


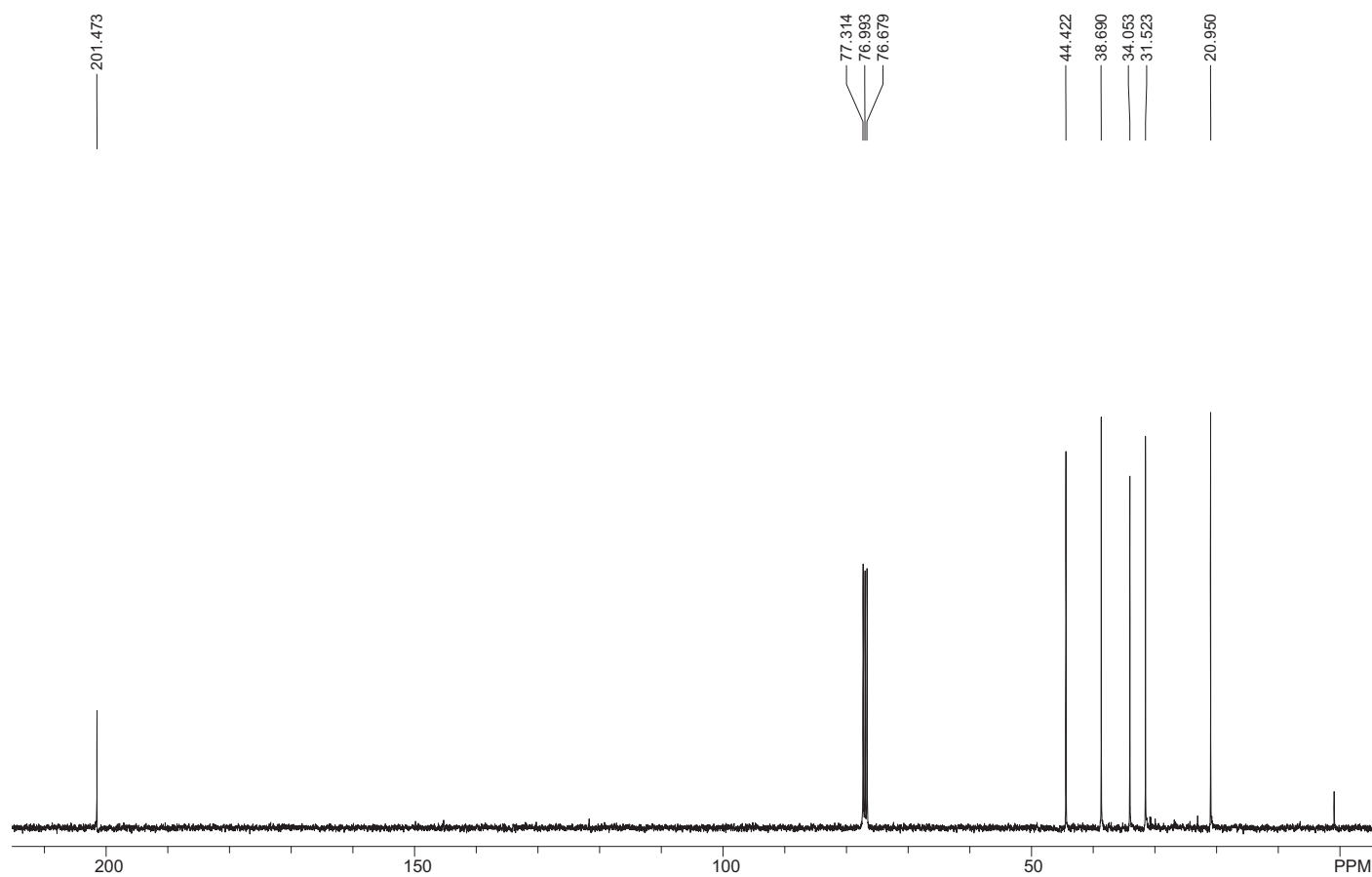
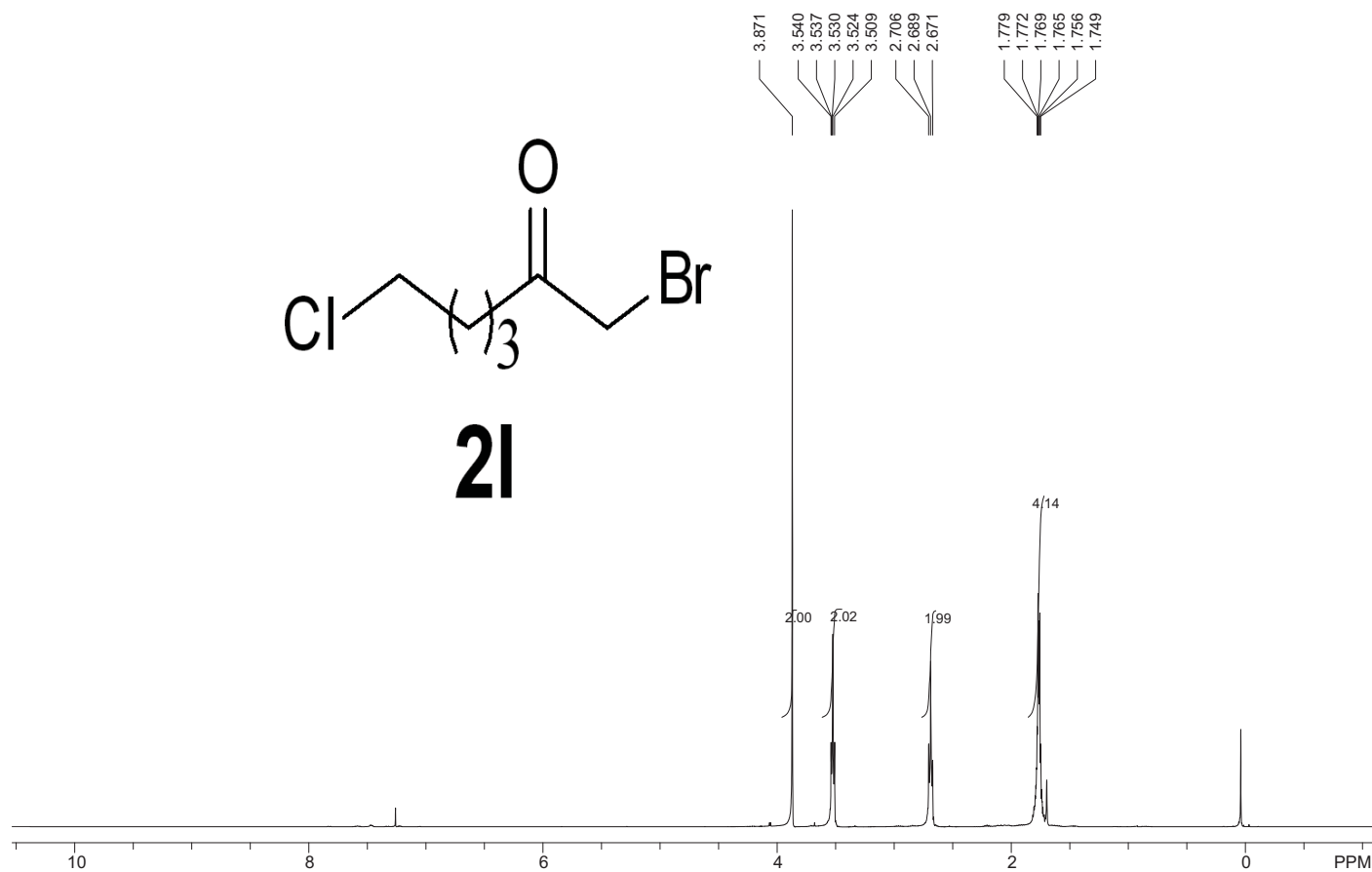
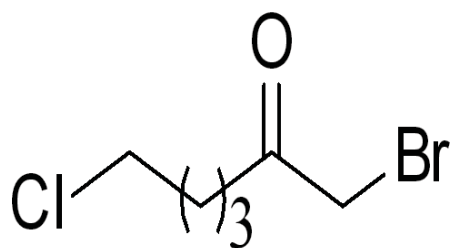


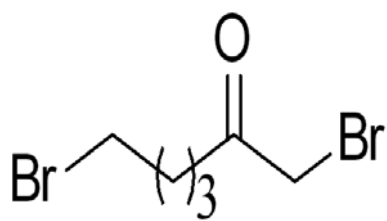




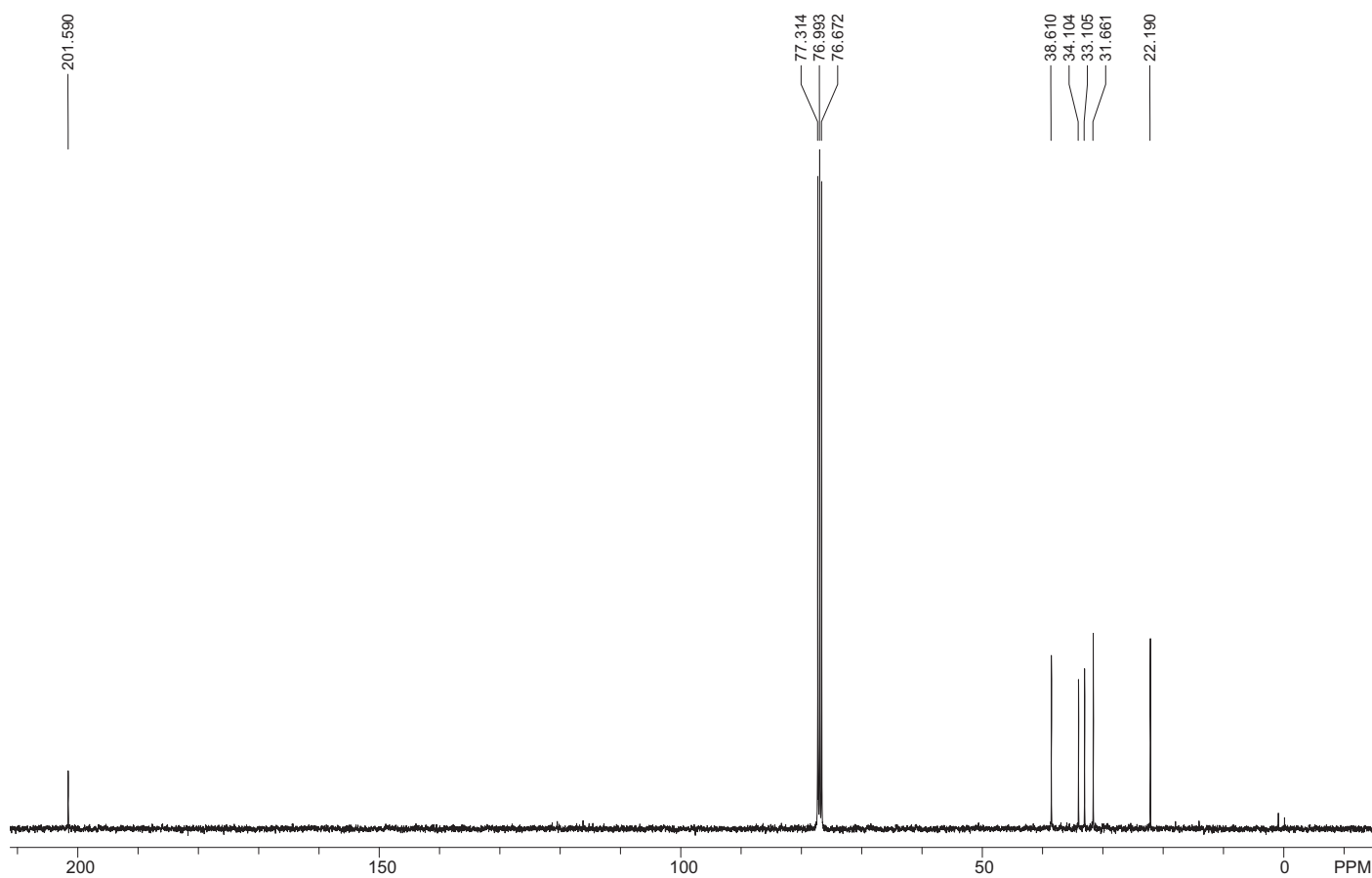
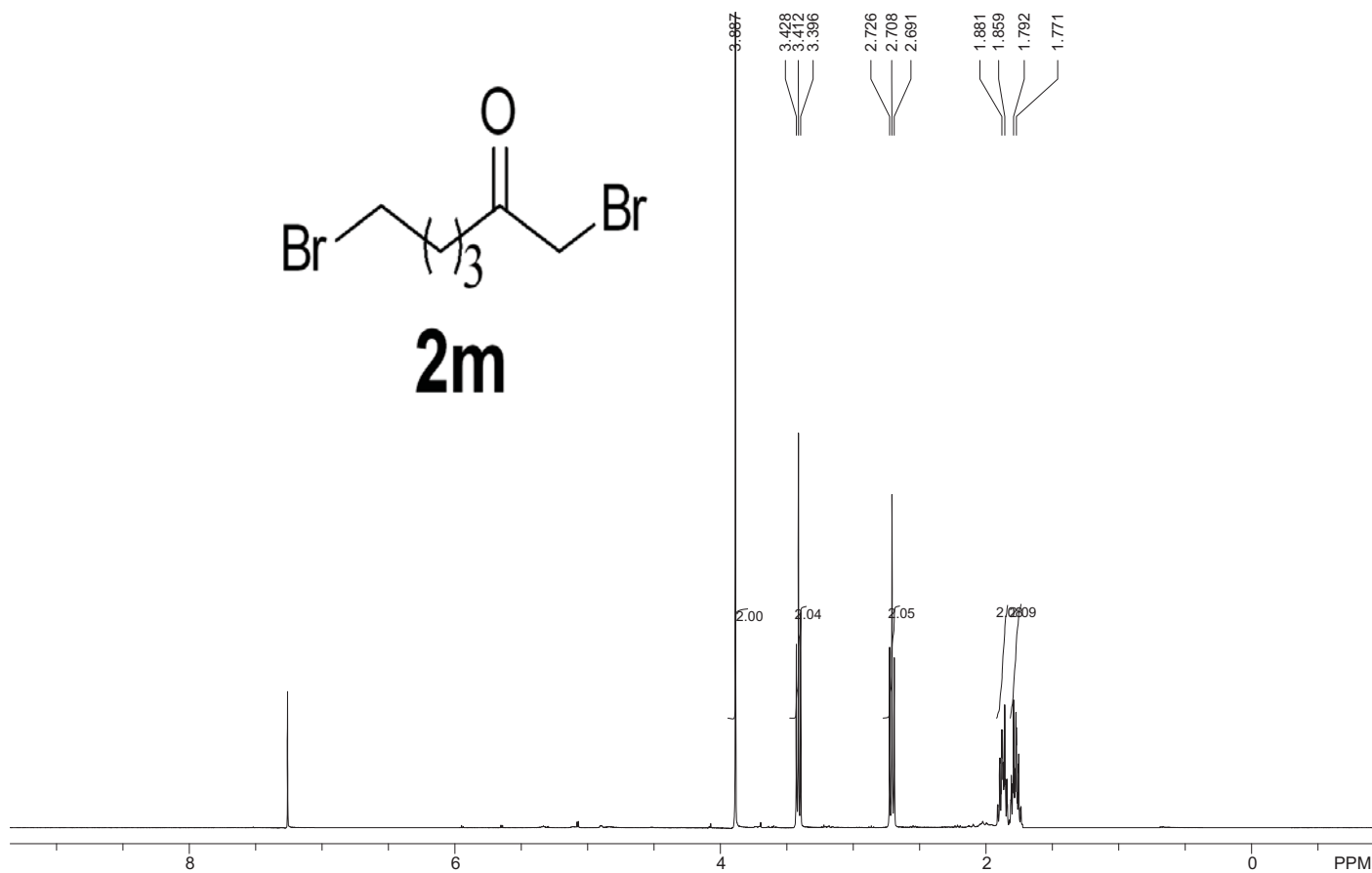
2k

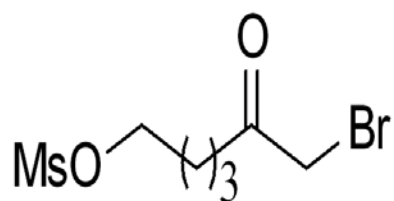




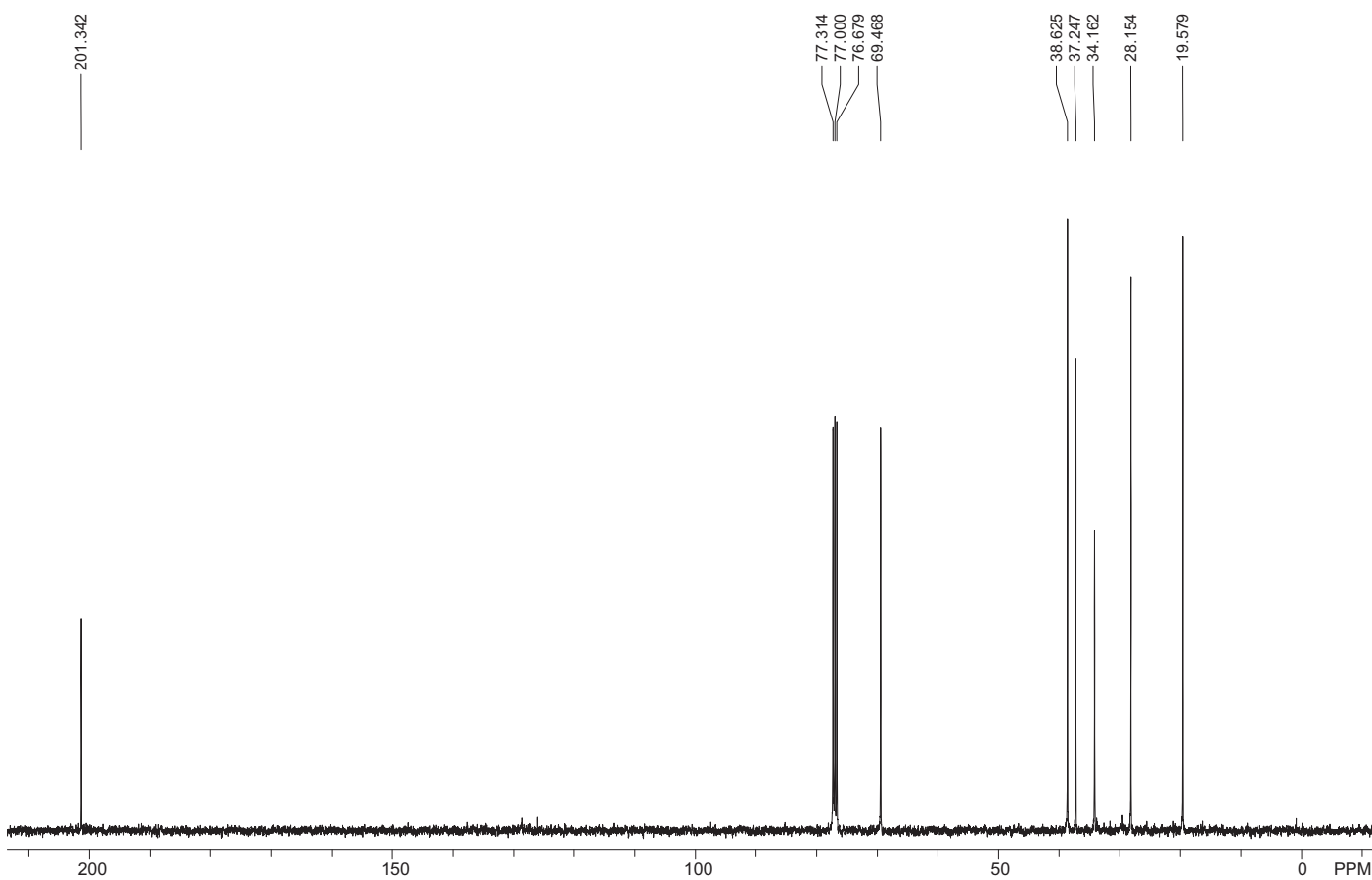
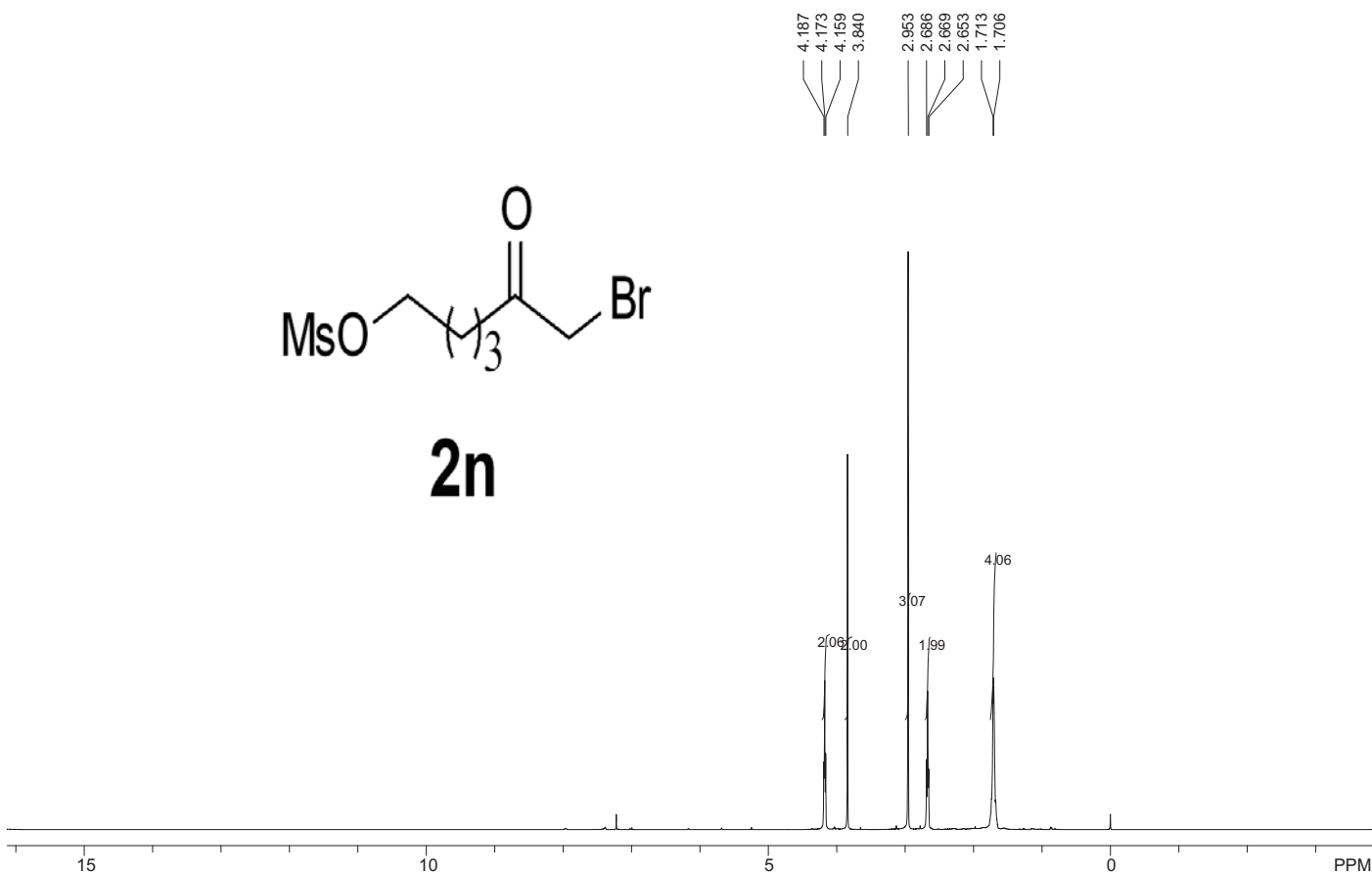


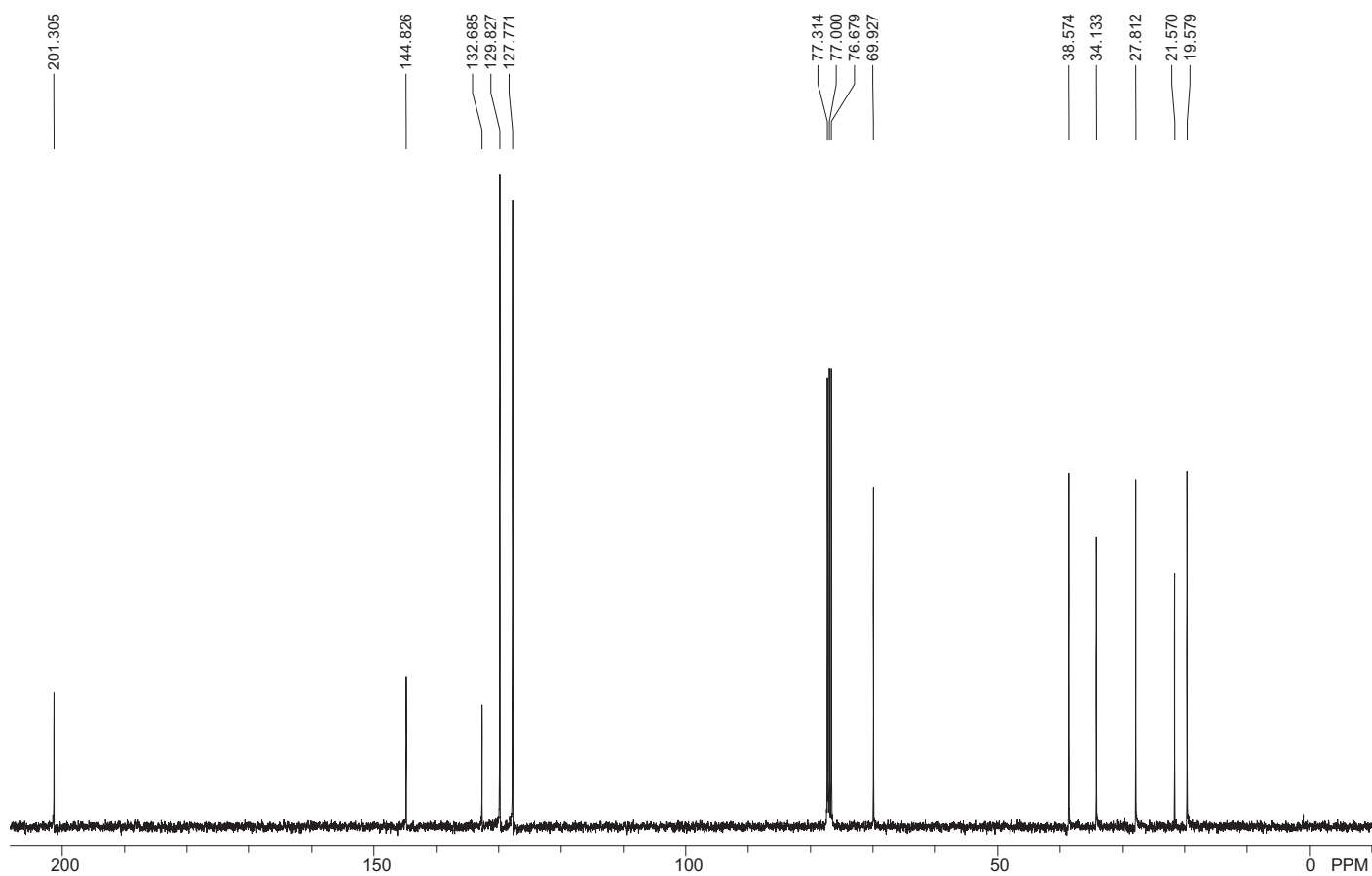
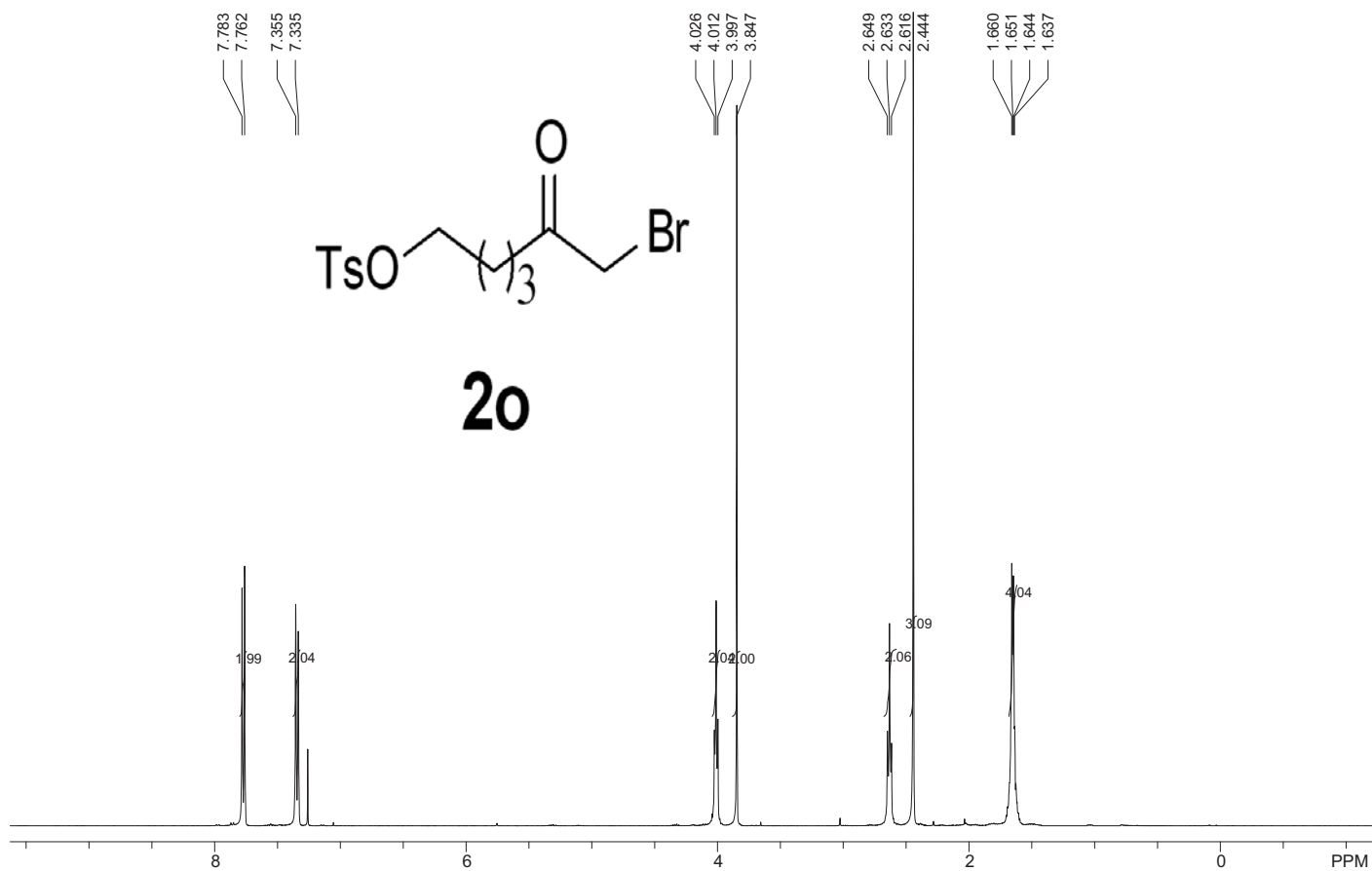
2m

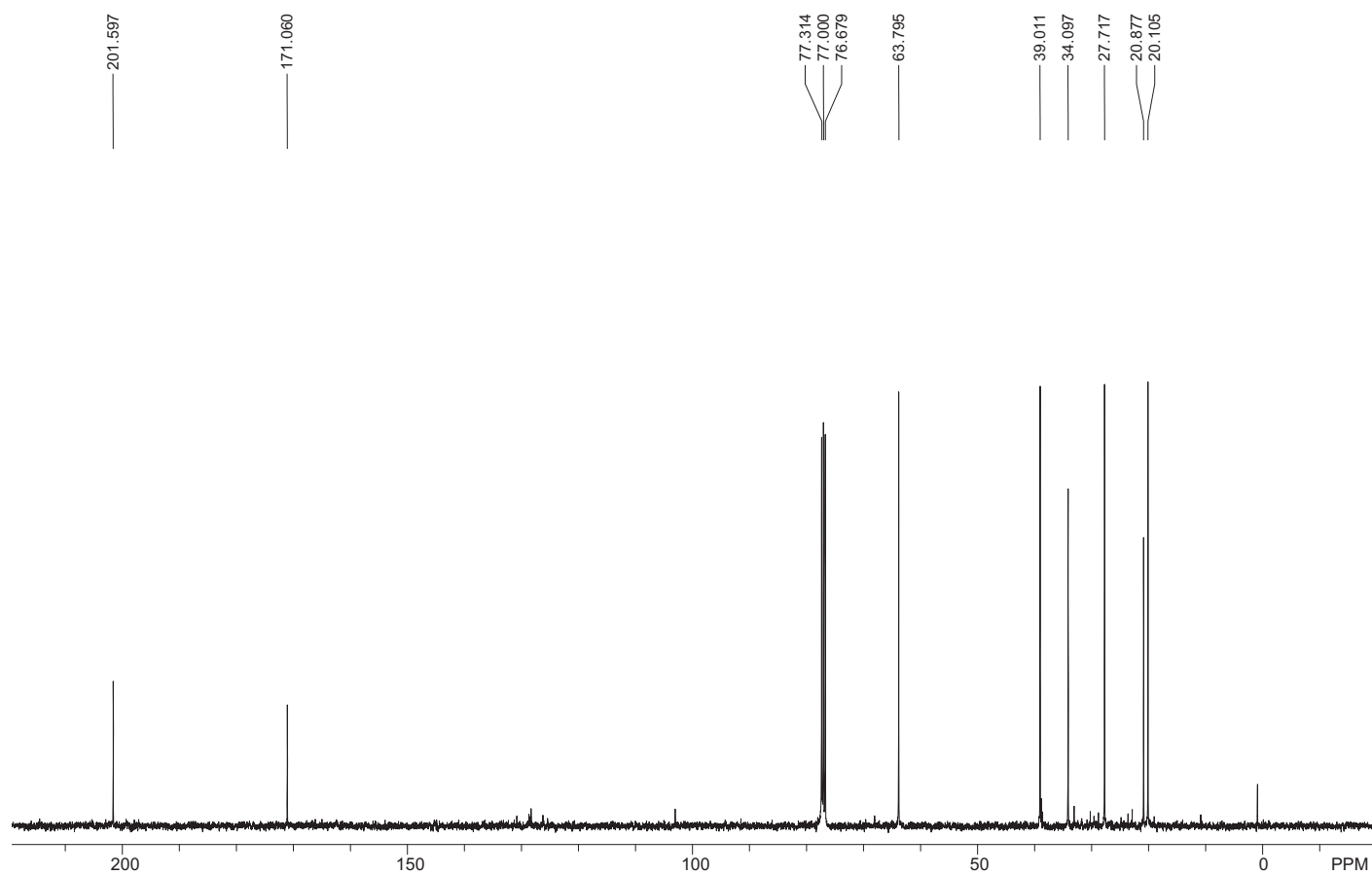
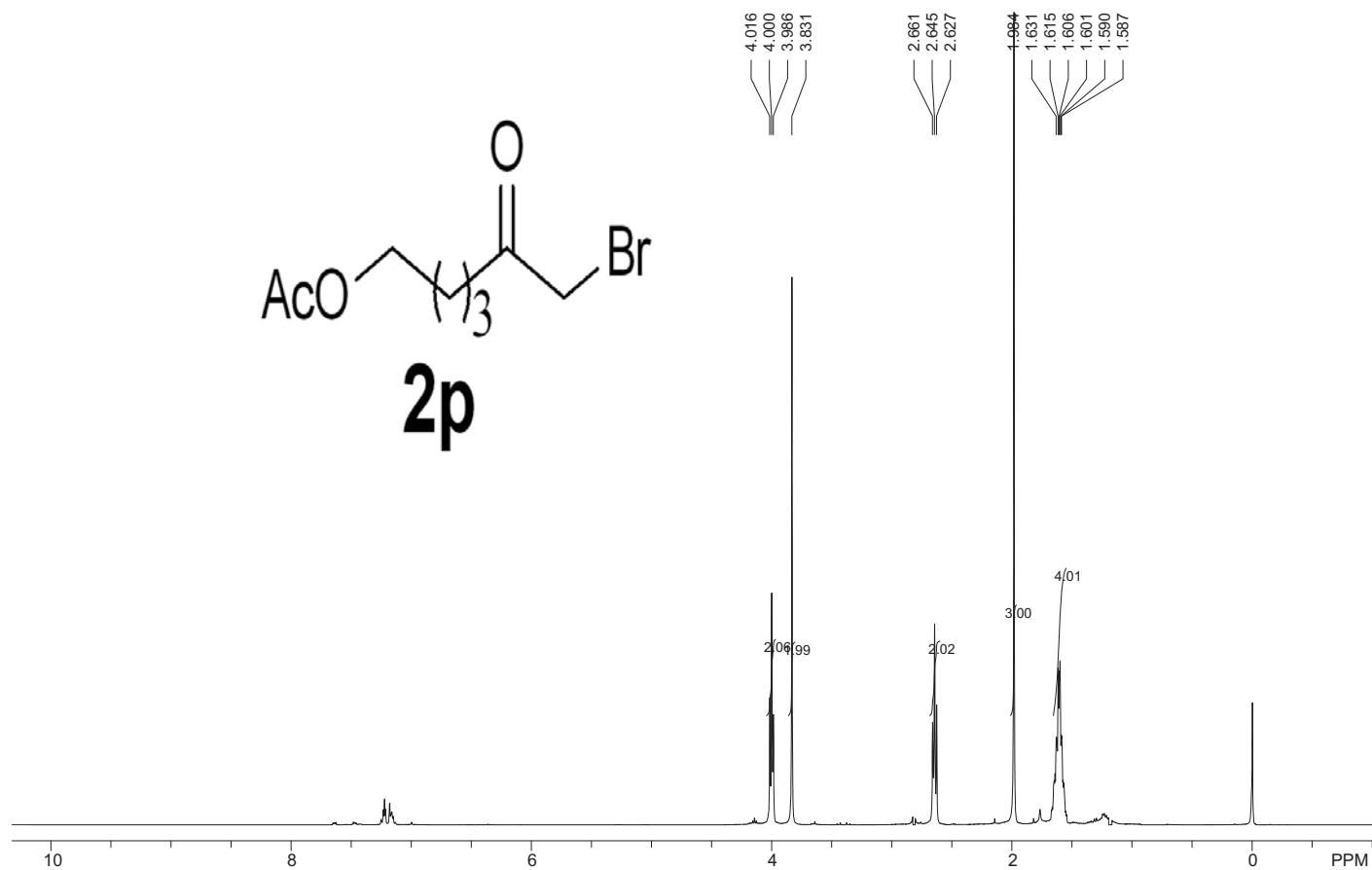
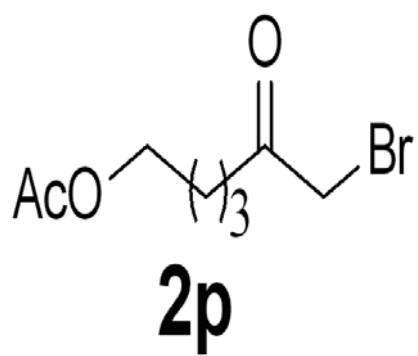


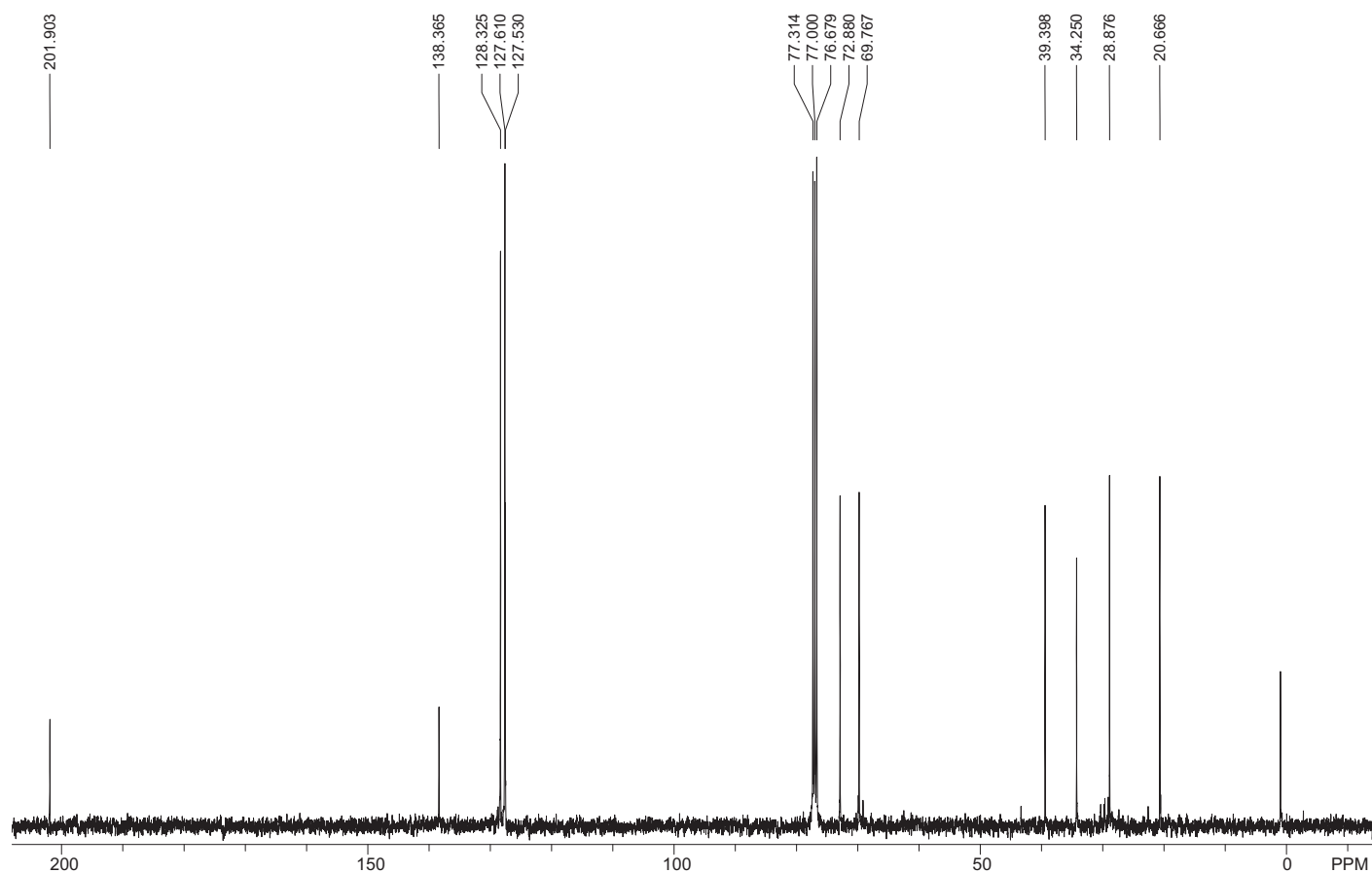
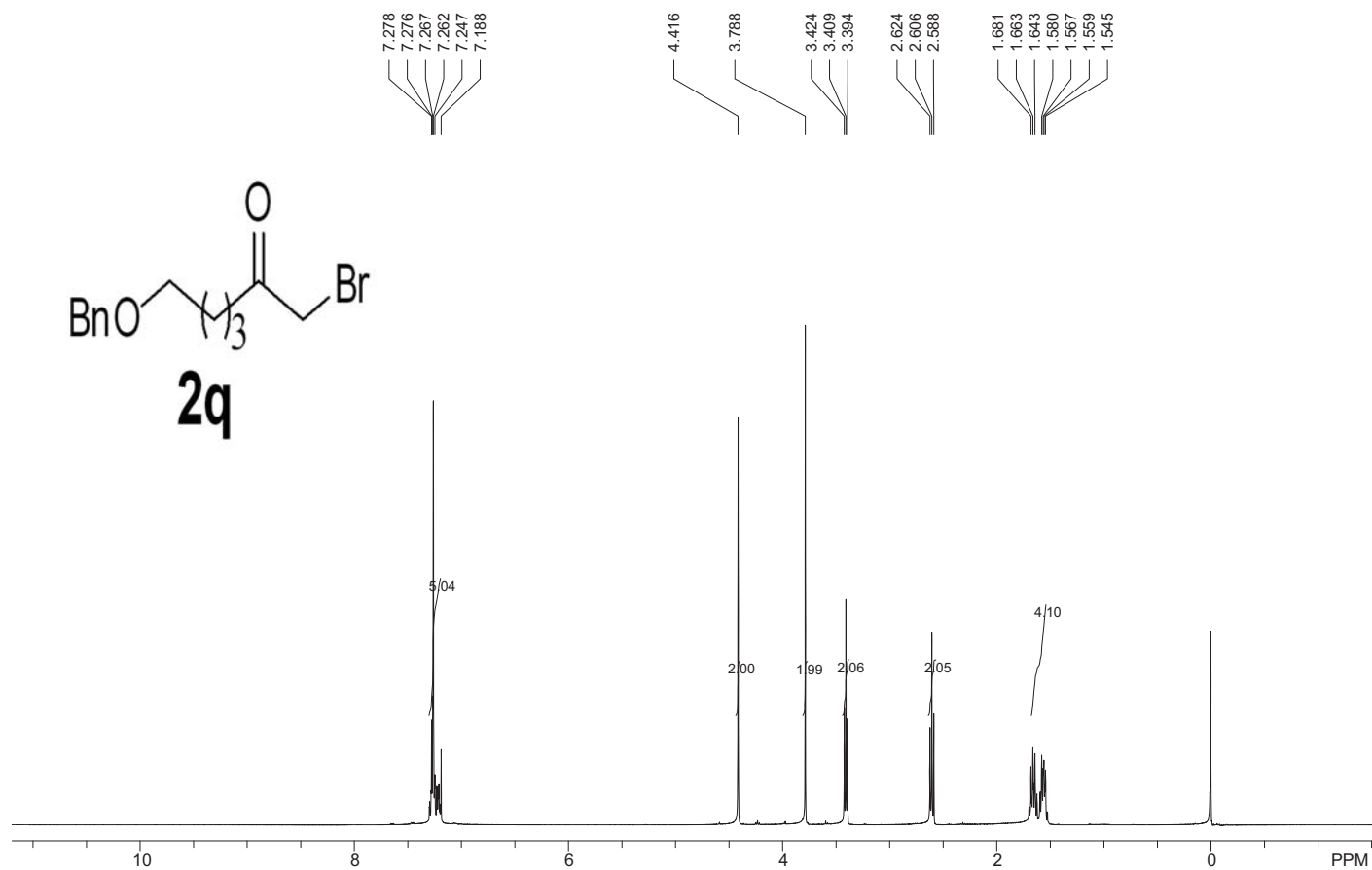


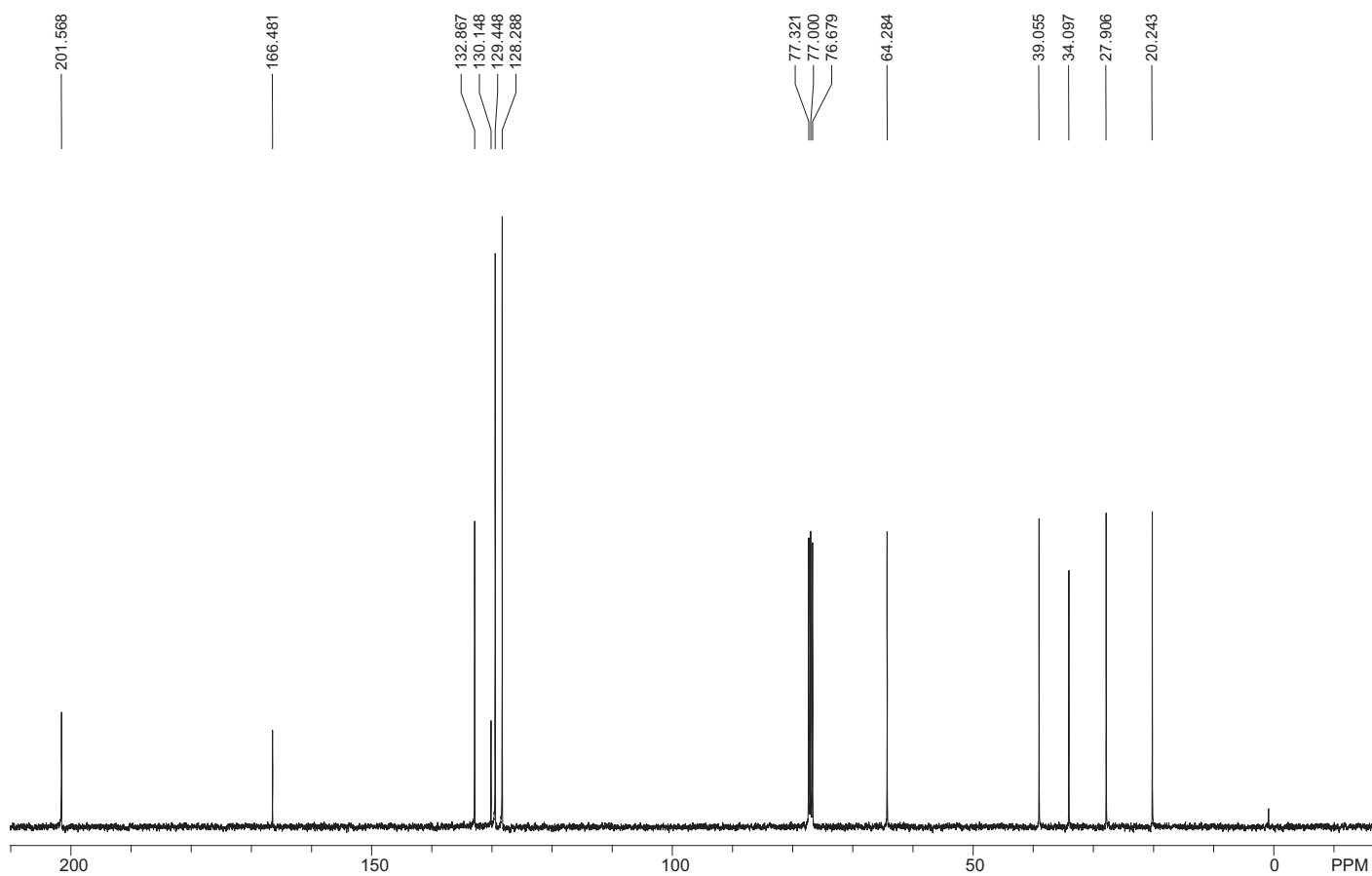
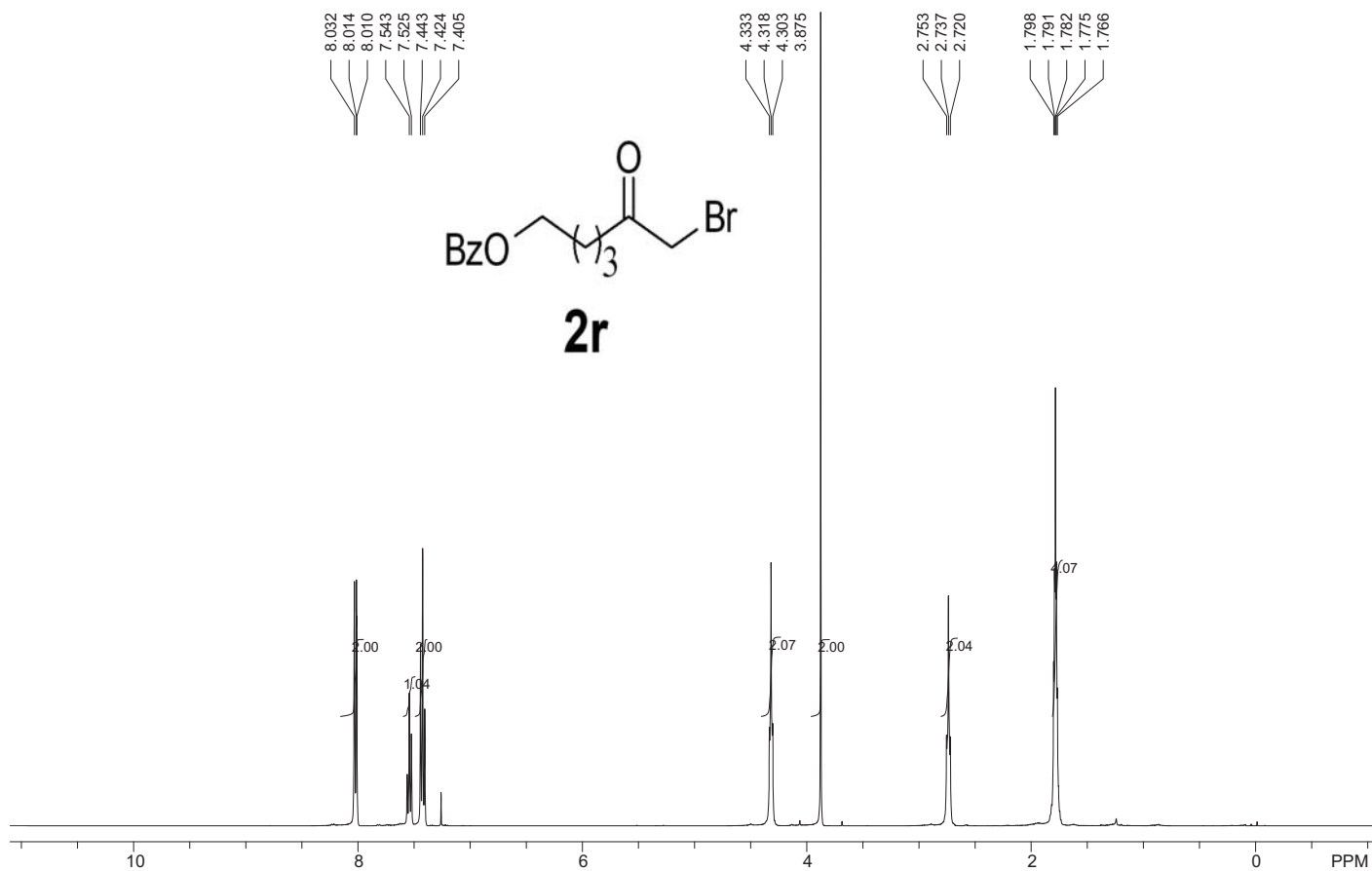
2n

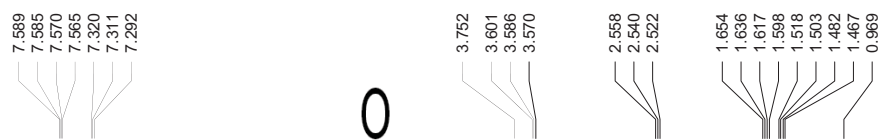


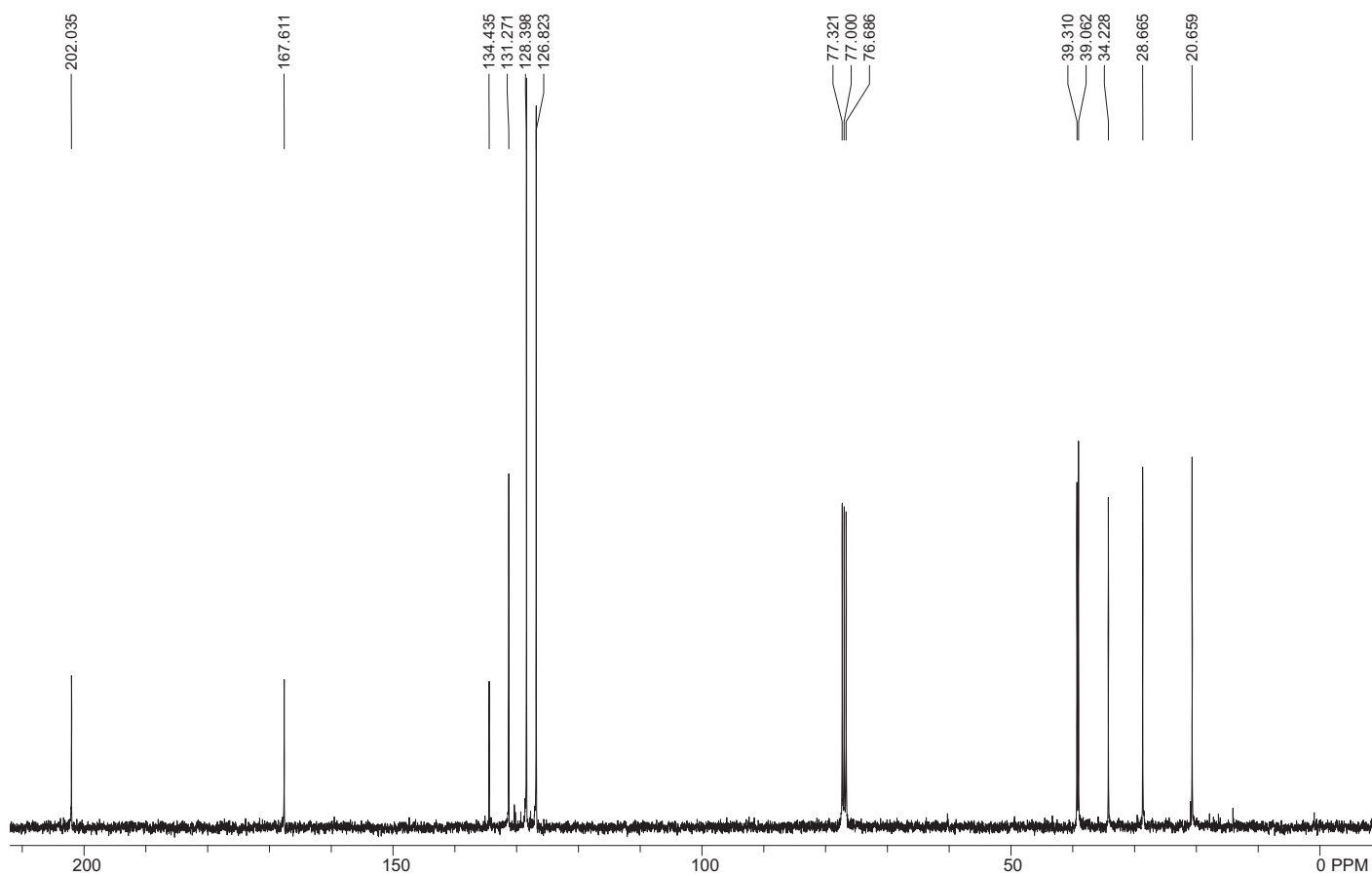
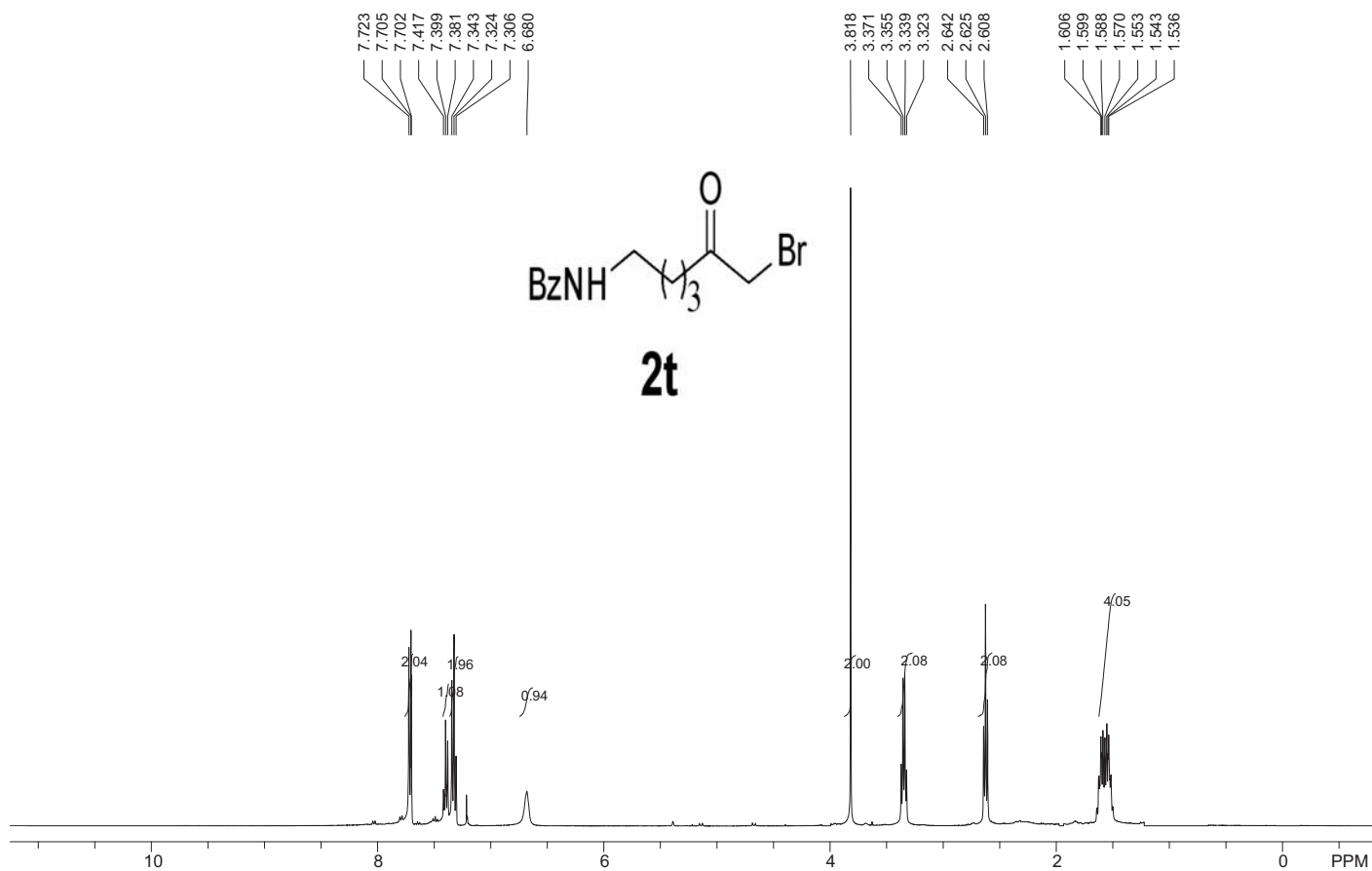


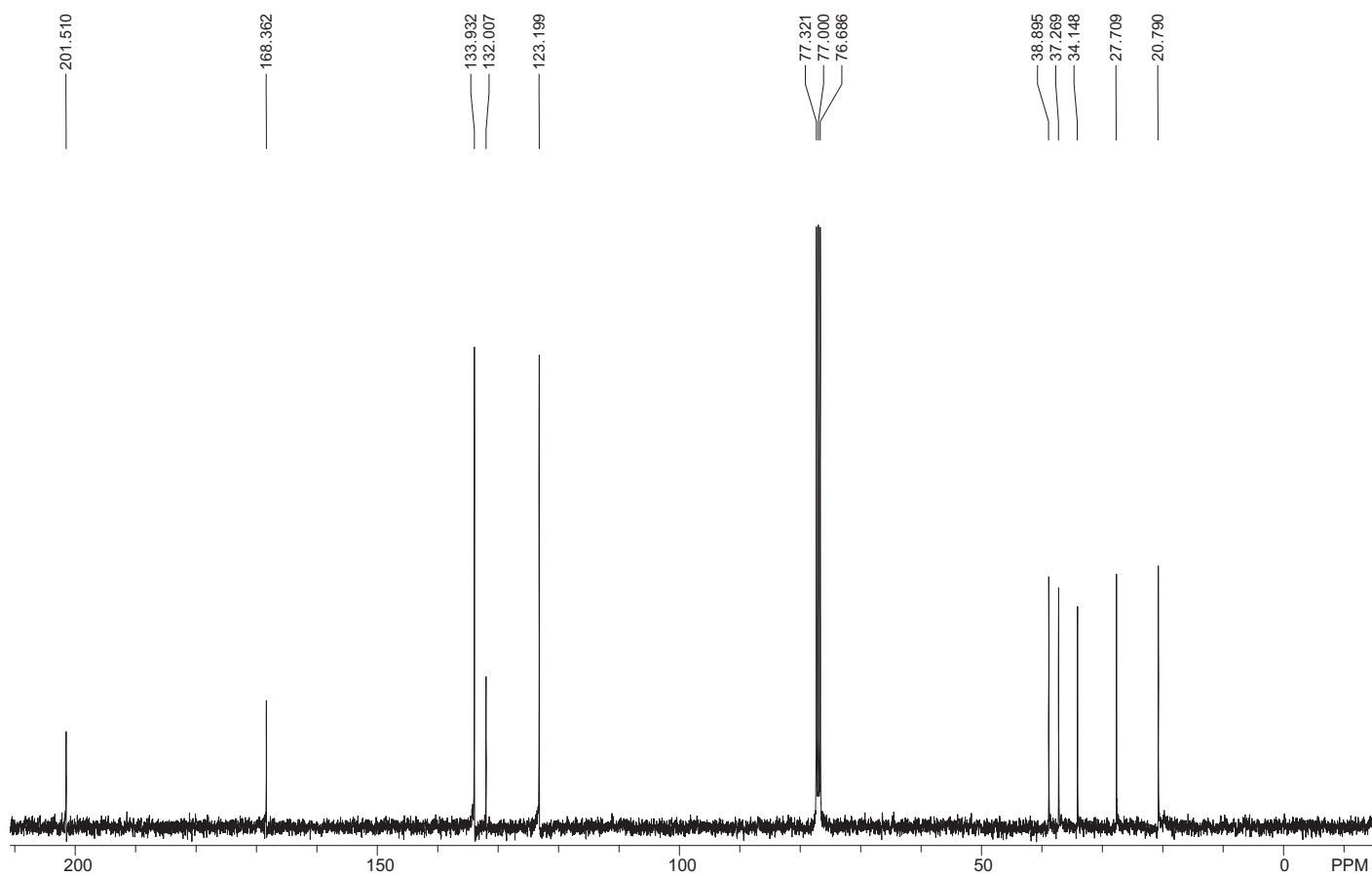
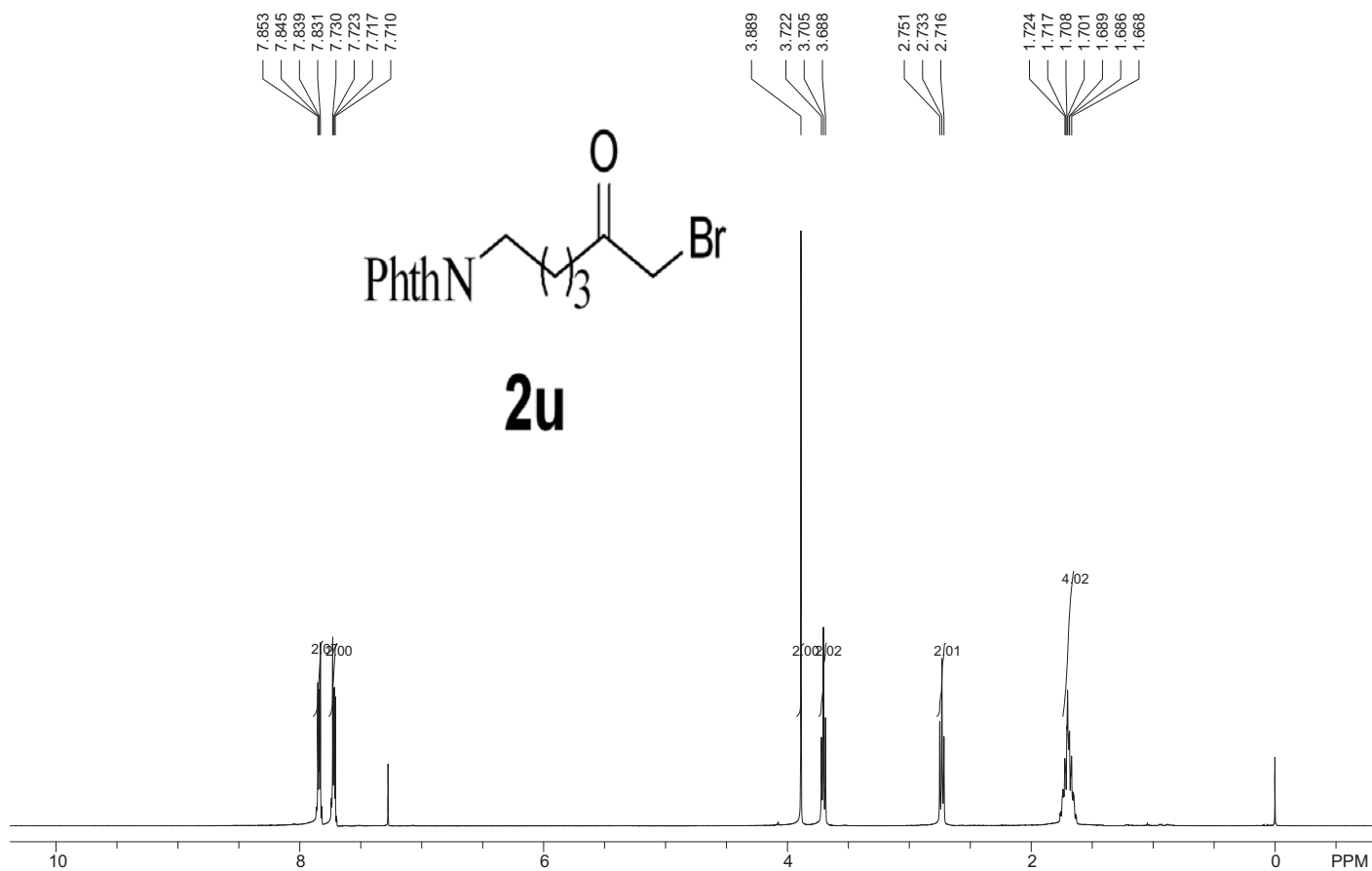


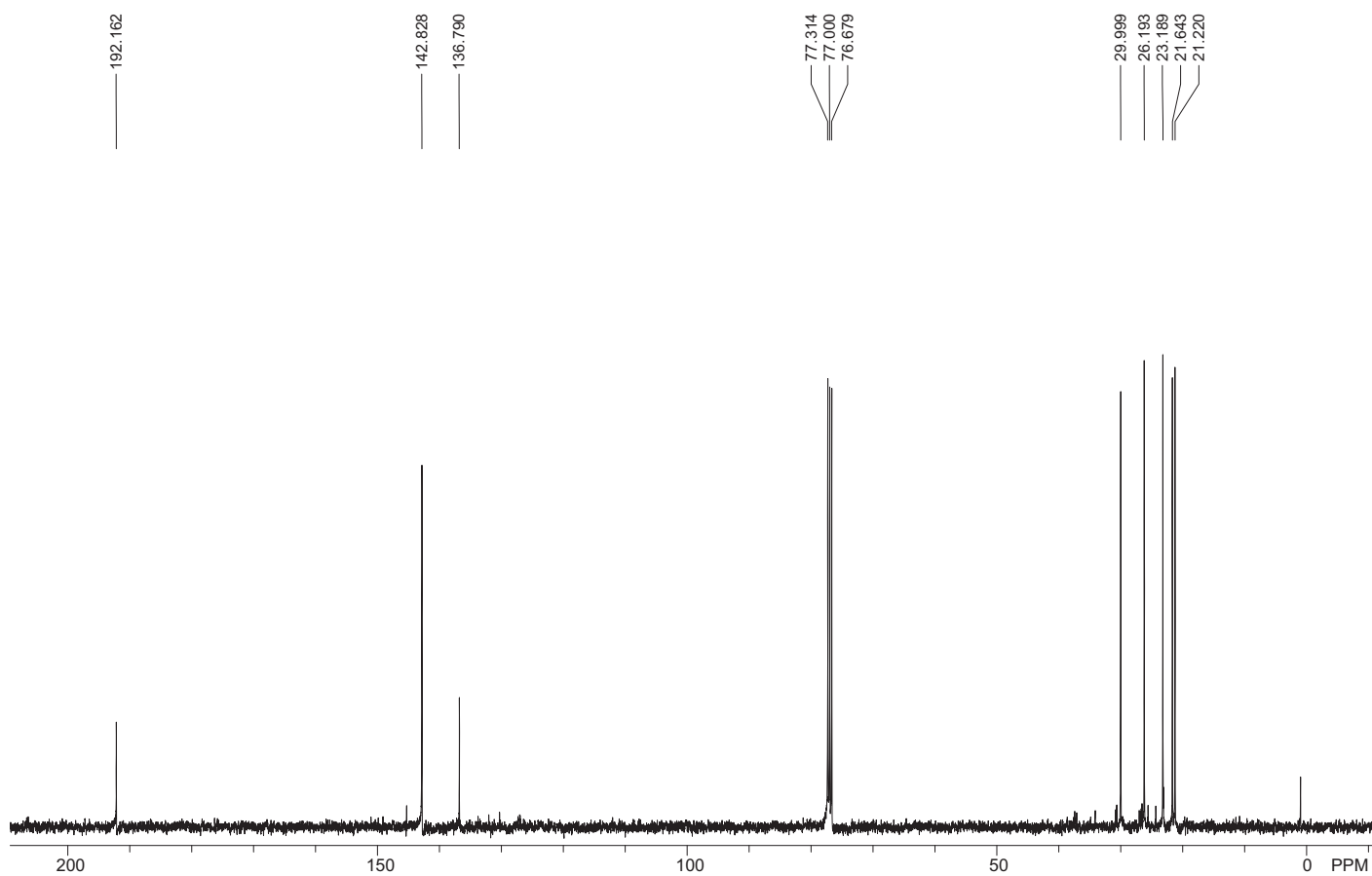
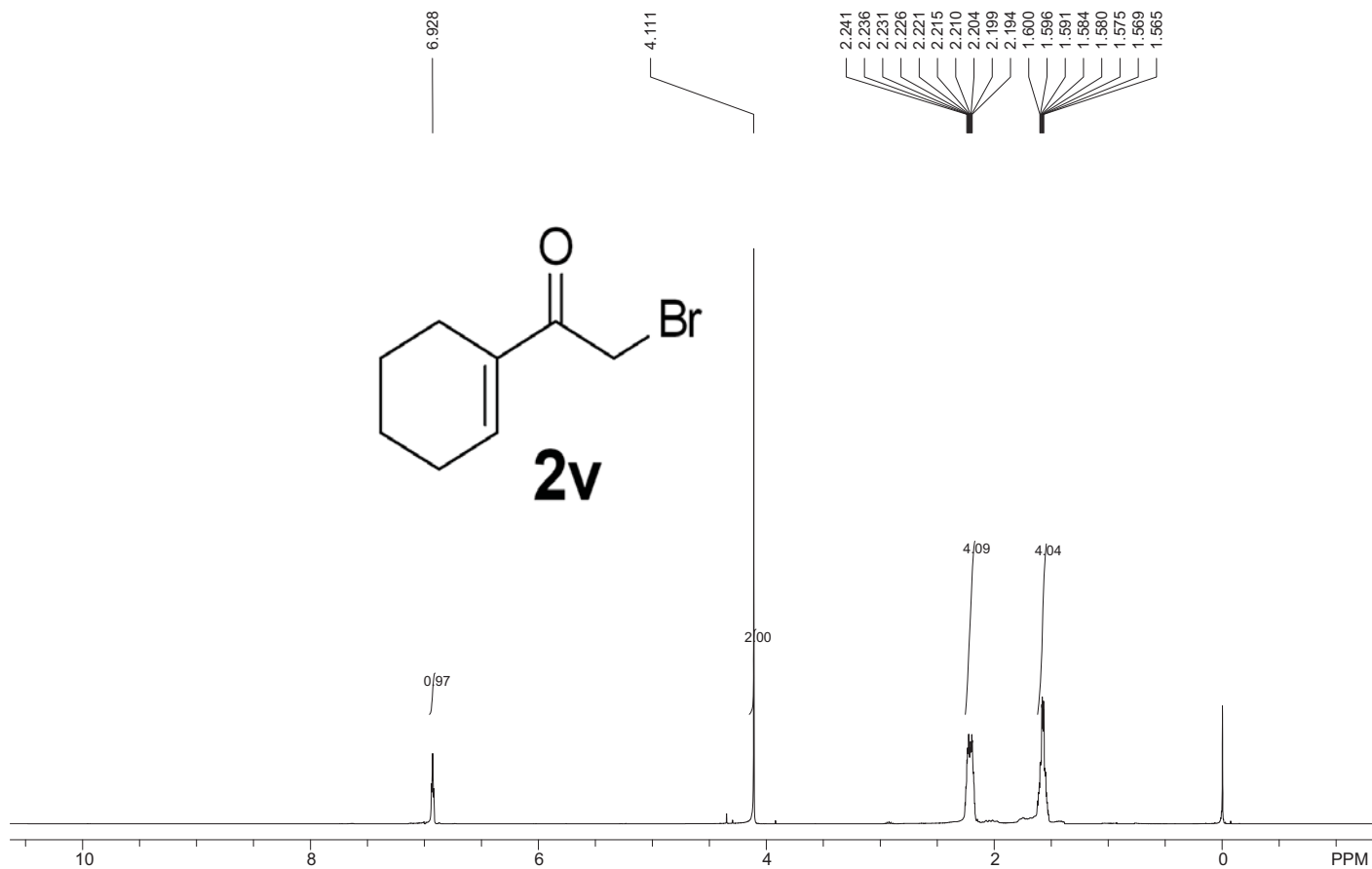


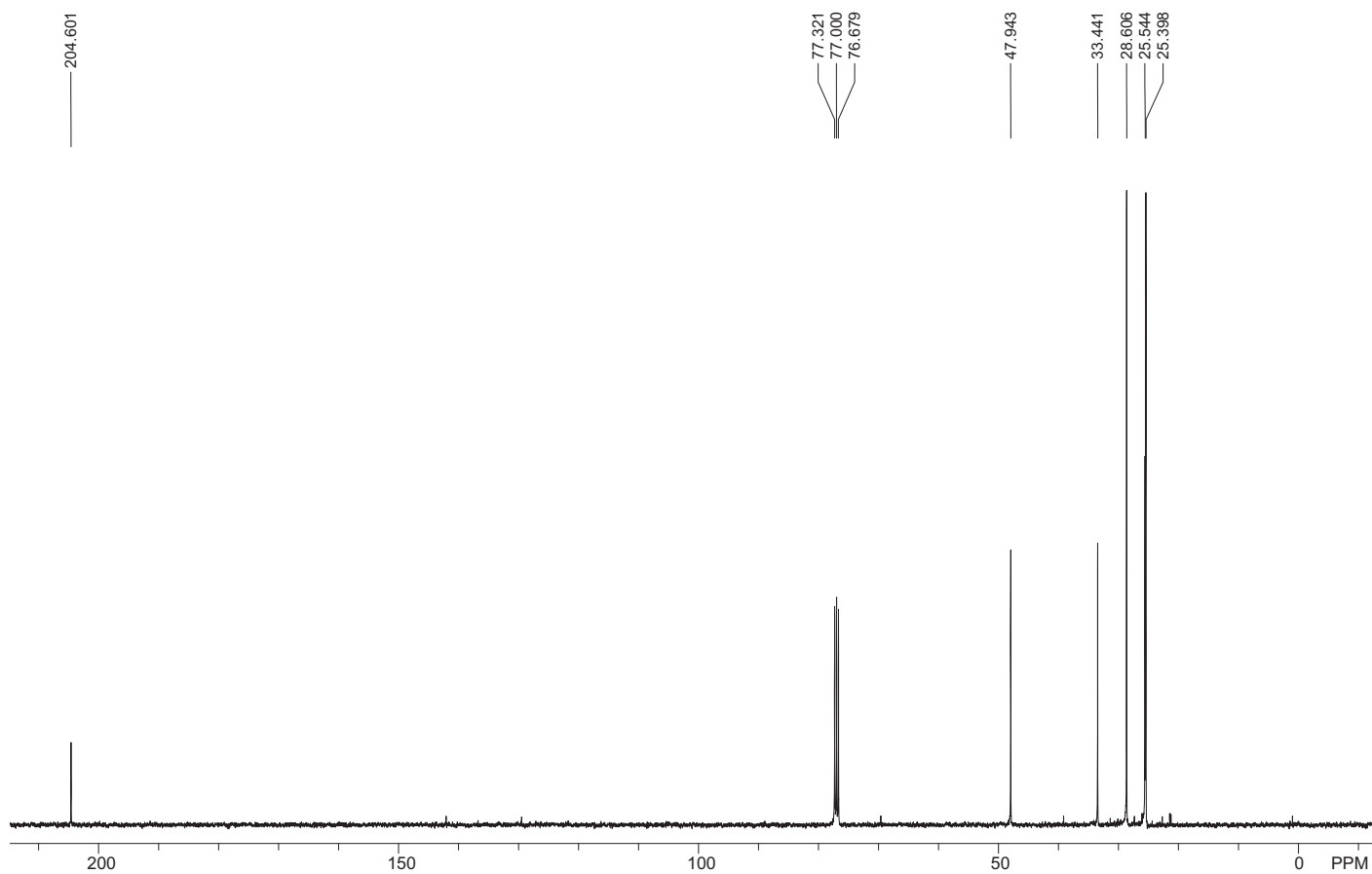
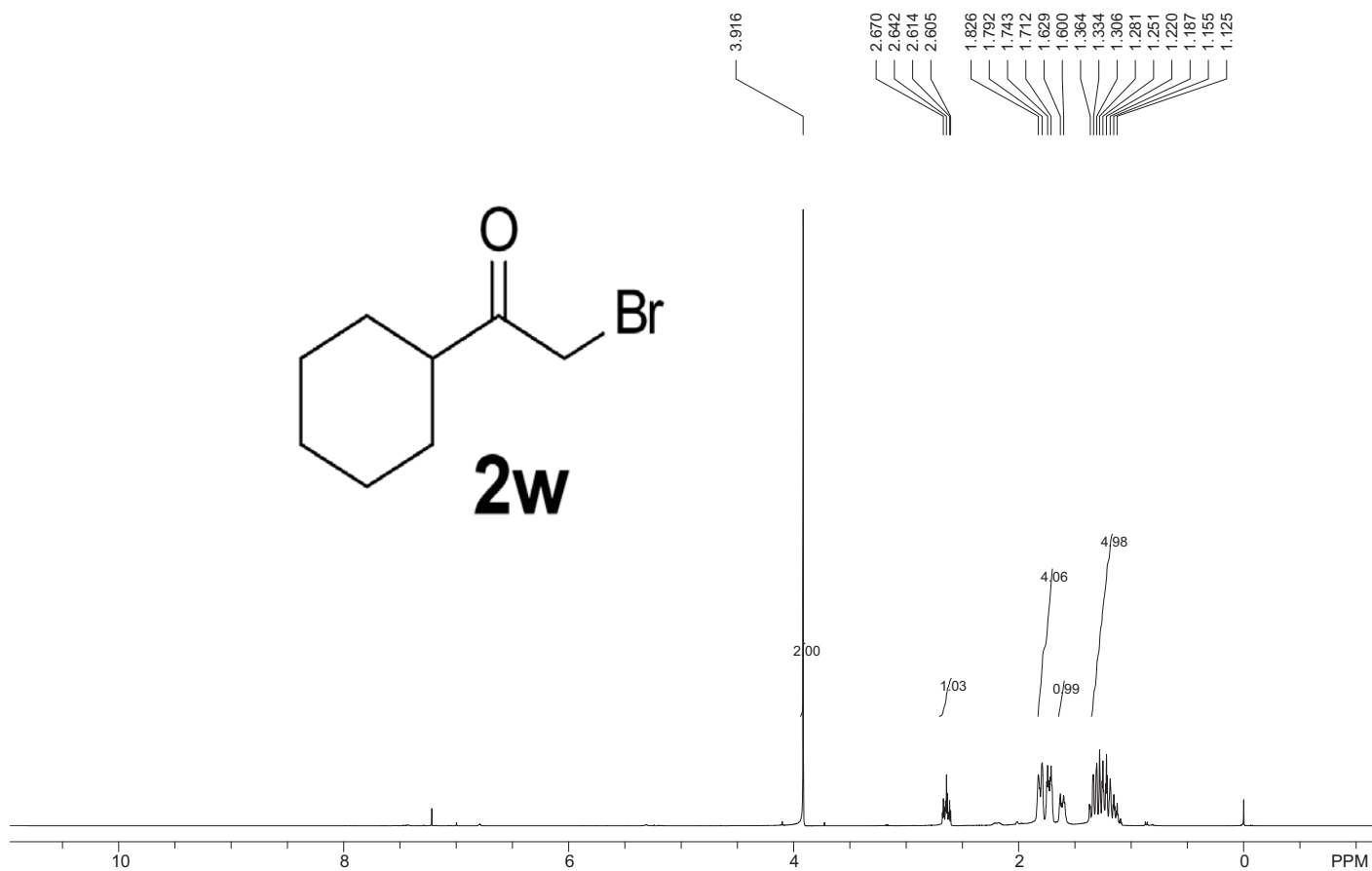


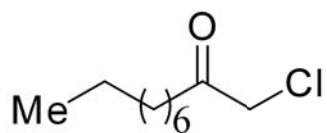










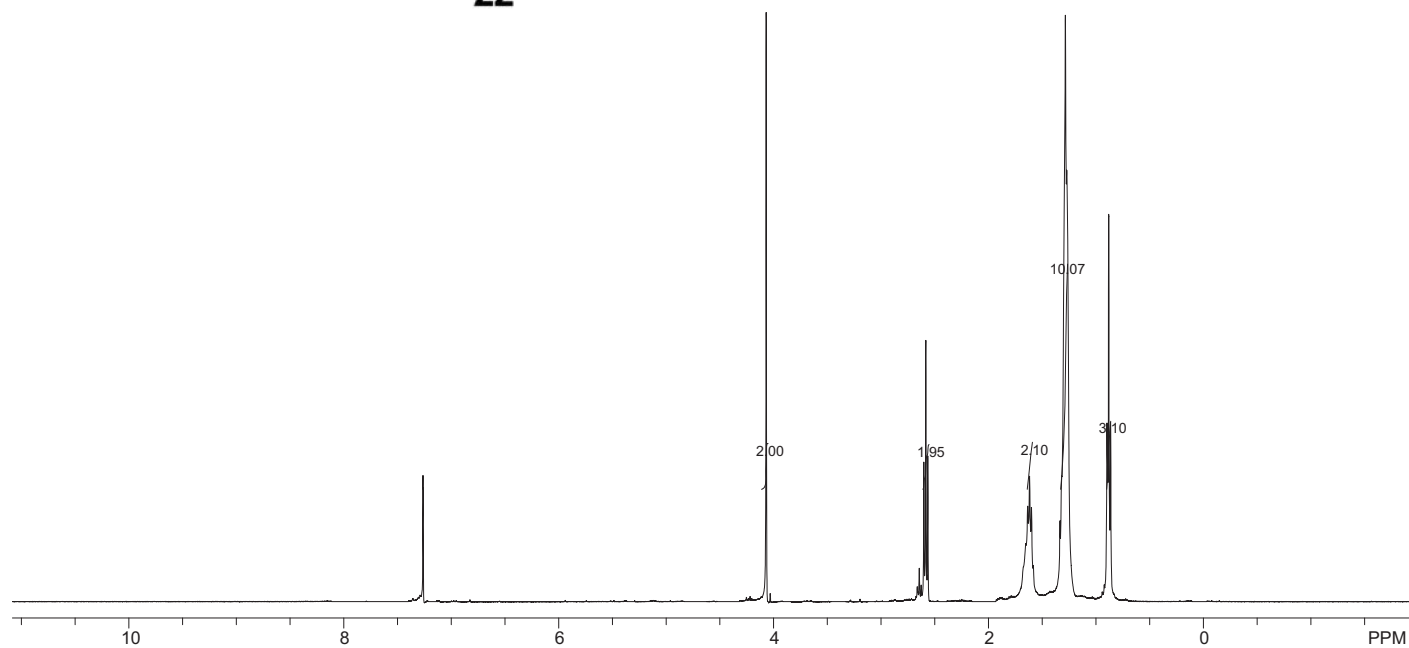


2z

4.068

2.600
2.582
2.563

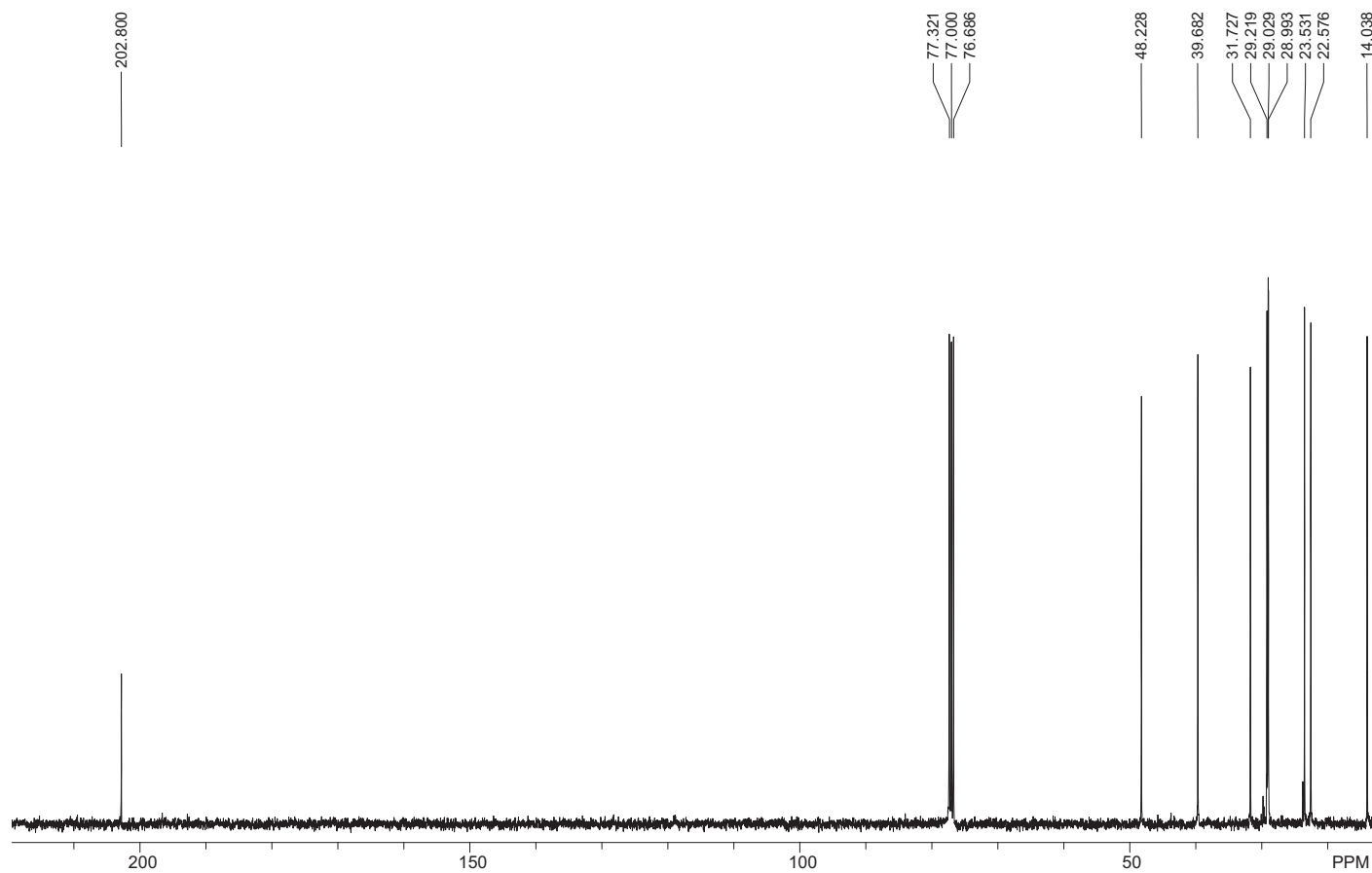
1.634
1.616
1.598
1.332
1.316
1.315
1.283
1.269
0.895
0.879
0.878
0.862

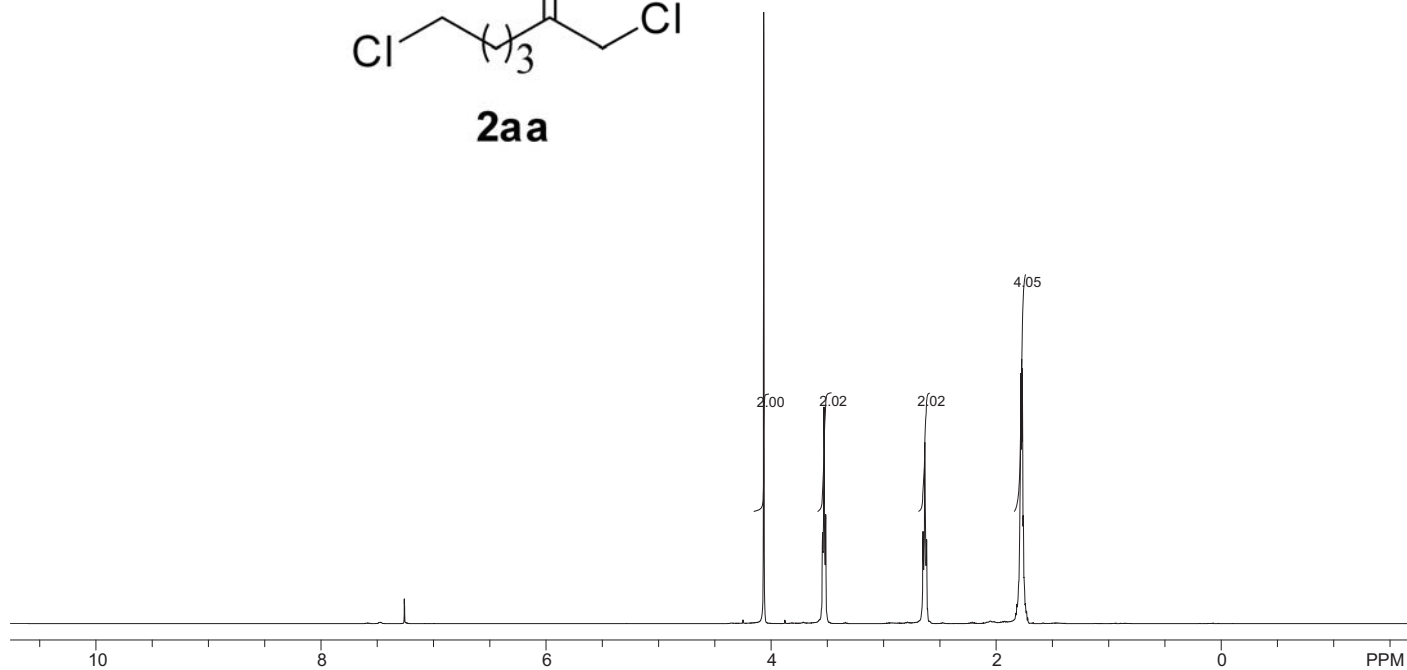
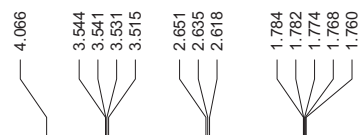
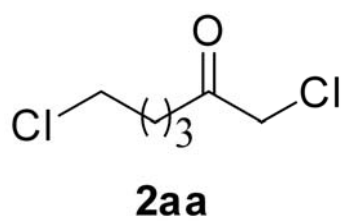


202.800

77.321
77.000
76.686

48.228
39.682
31.727
29.219
29.029
28.993
23.531
22.576
14.038





202.159

77.314, 77.000, 76.679

48.067, 44.443

38.639

31.596

20.731

