

Supporting Information

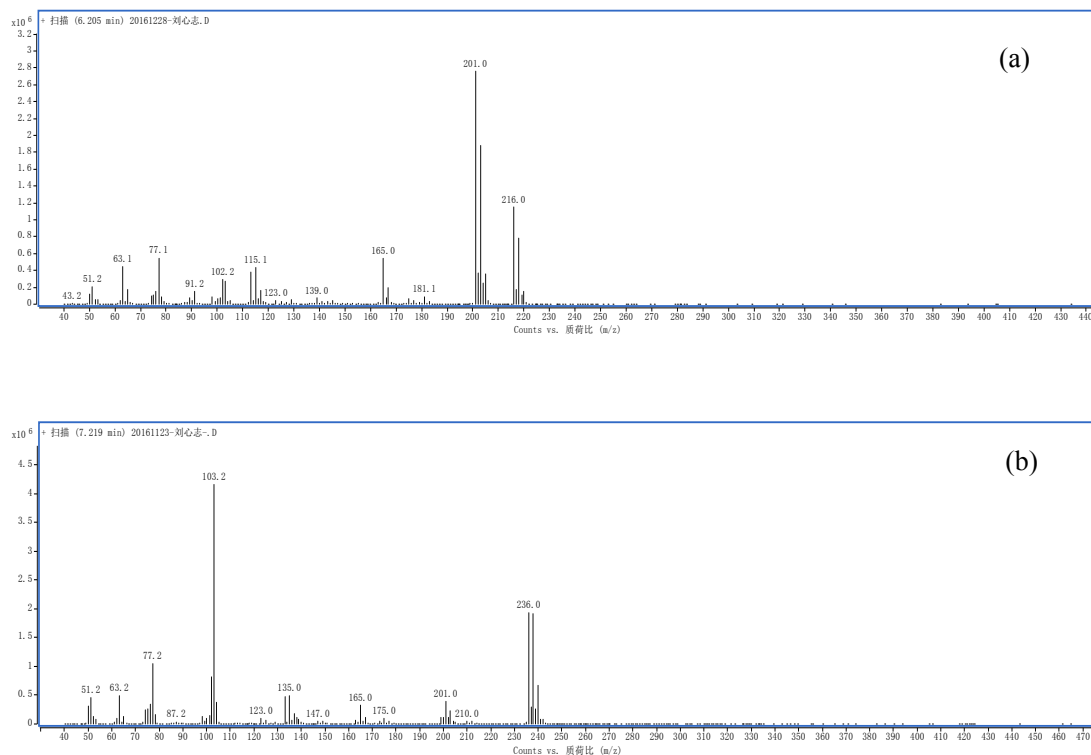


Figure S1 MASS spectra of (a) (p-vinylphenyl)methyldichlorosilane (**M1**) and (b) (p-vinylphenyl)trichlorosilane (**M2**)

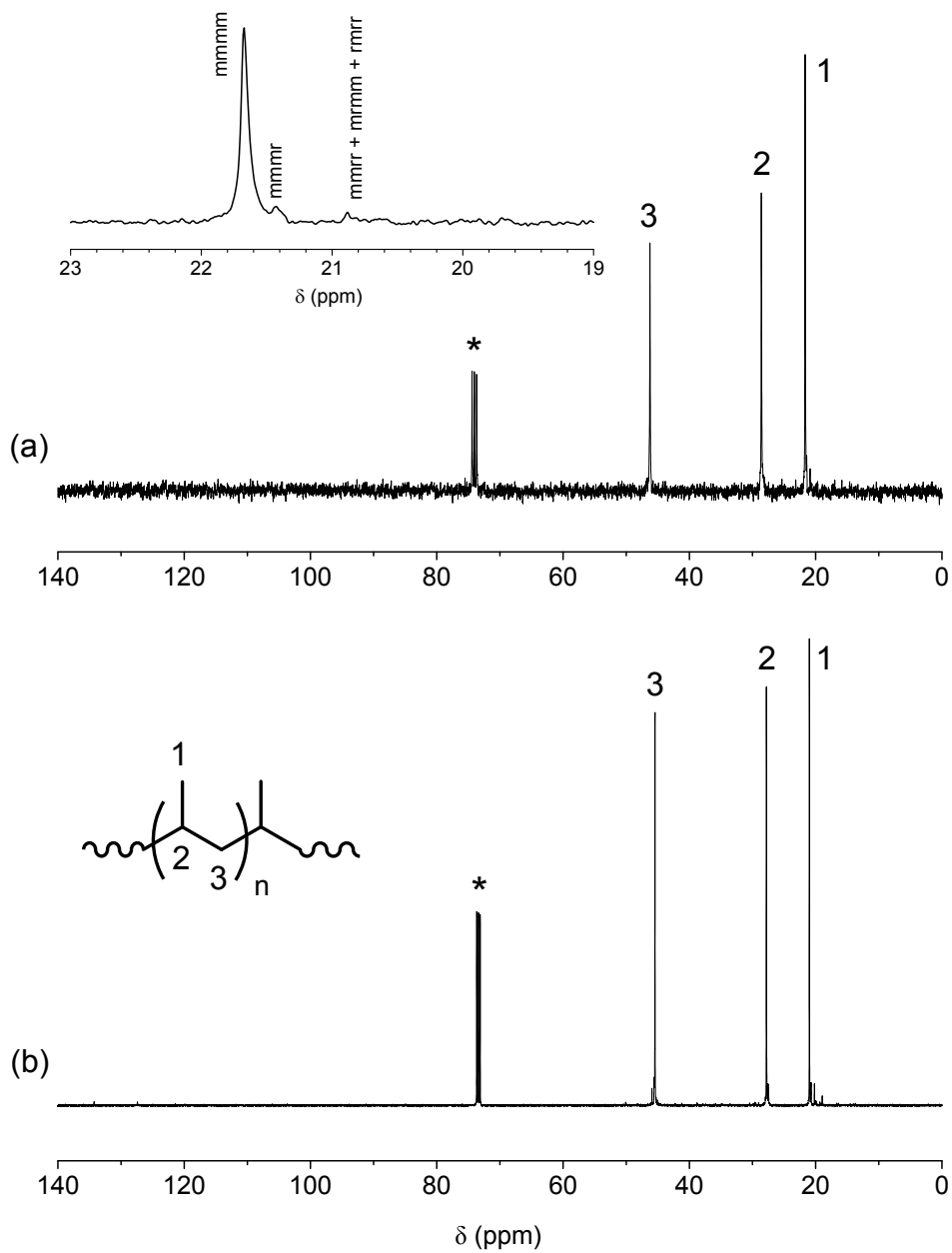


Figure S2 ^{13}C -NMR spectra of (a) the starting CH_3OSi -terminated *i*PP polymer M2-4 and (b) the polymer S2-4 after the intermolecular elimination reaction proceeded for 24h

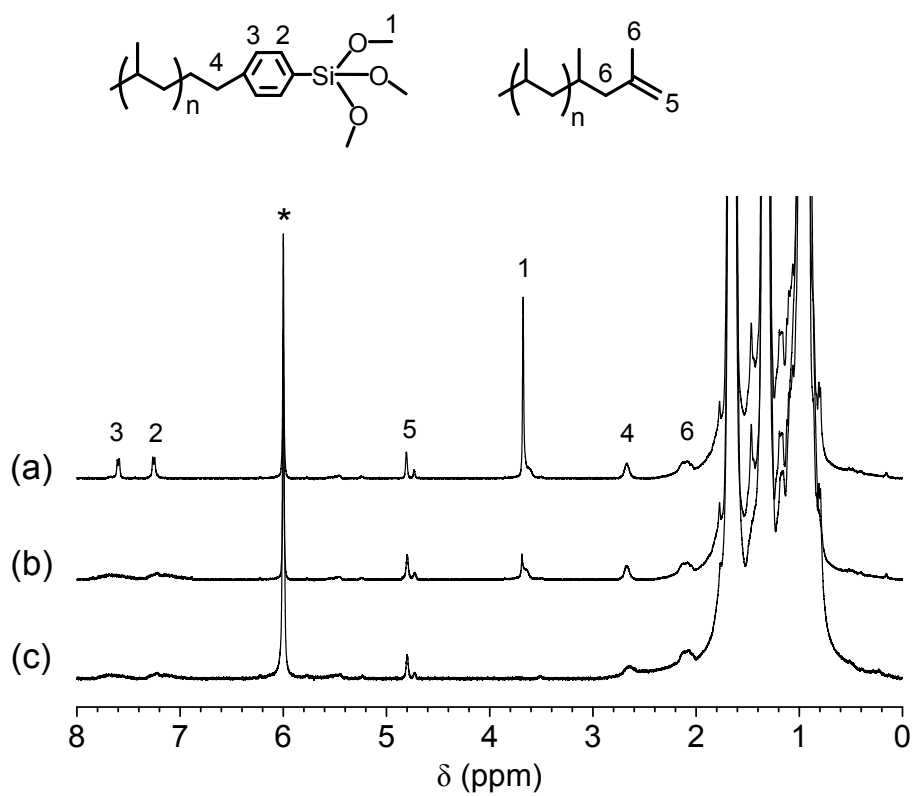


Figure S3 ¹H-NMR spectra of (a) the starting polymer M2-4 with -SiOCH₃ group, (b) the polymer after the -SiOCH₃ group reacted for 15 min, and (c) the polymer after the -SiOCH₃ group reacted for 1 h

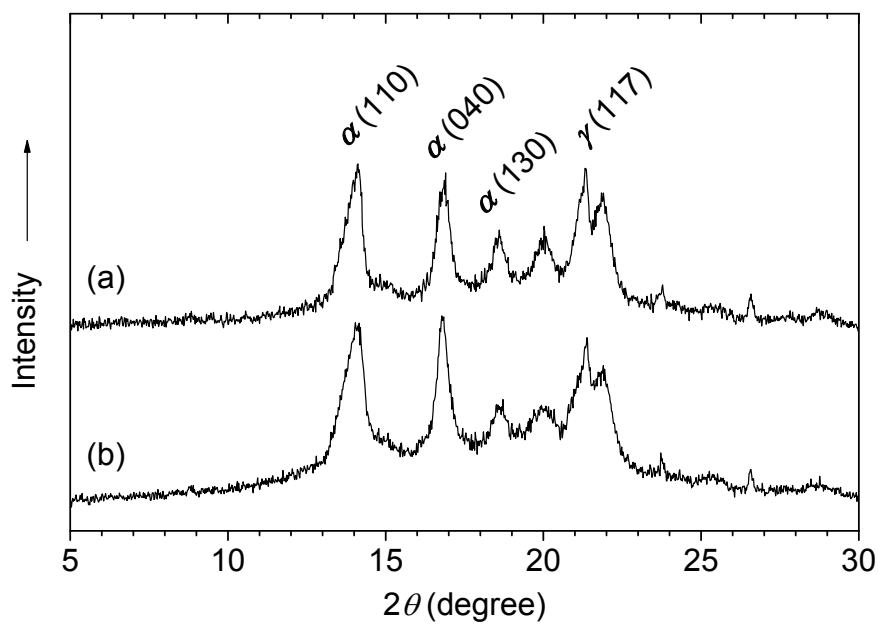


Figure S4 WAXD patterns of (a) the starting CH₃OSi-terminated *i*PP polymer M2-4 and (b) the polymer S2-4 after the intermolecular elimination reaction proceeded for 24h