

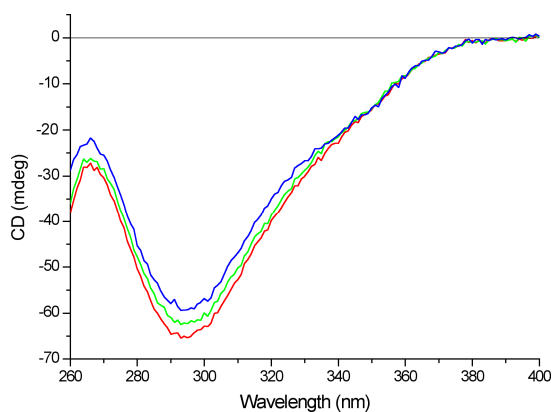


Figure S1. CD spectra of **B** (—), **C** (—) and **D** (—) in water.

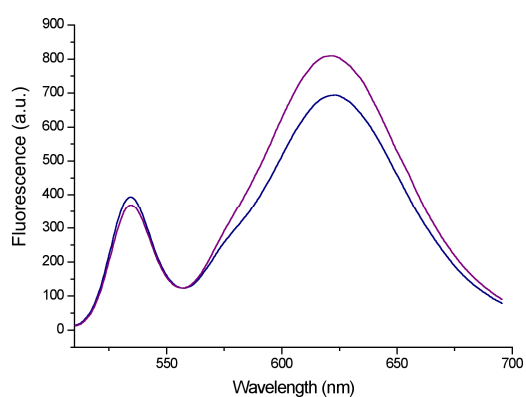


Figure S2. Fluorescence spectra of **P9** (—) and **P10** (—) in dichloromethane.

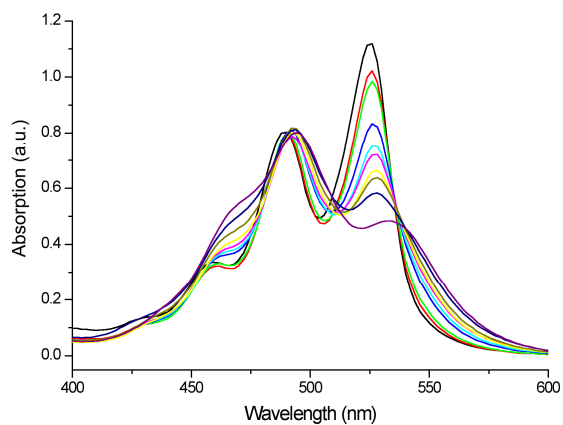


Figure S3. Absorption spectra of **P1–P10** where the absorption maximum at 492nm is ca. 0.8 a.u. in dichloromethane: **P1** (—); **P2** (—); **P3** (—); **P4** (—); **P5** (—); **P6** (—); **P7** (—); **P8** (—); **P9** (—); **P10** (—).

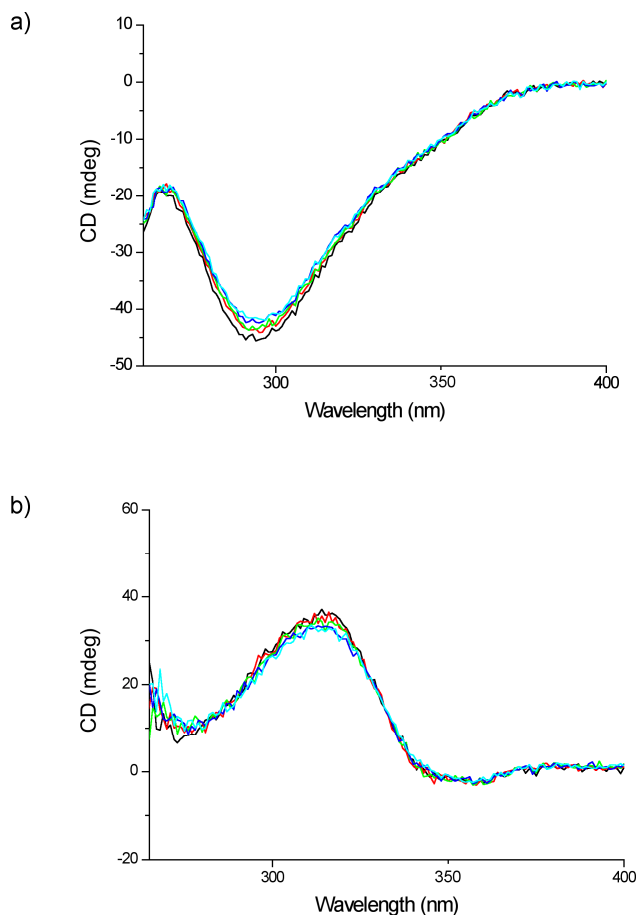


Figure S4. Variable temperature CD spectra (1 mg in 5 mL) measured in chloroform of a) **P0** and b) **P10**: 10 °C (—); 20 °C (—); 30 °C (—); 40 °C (—); 50 °C (—).

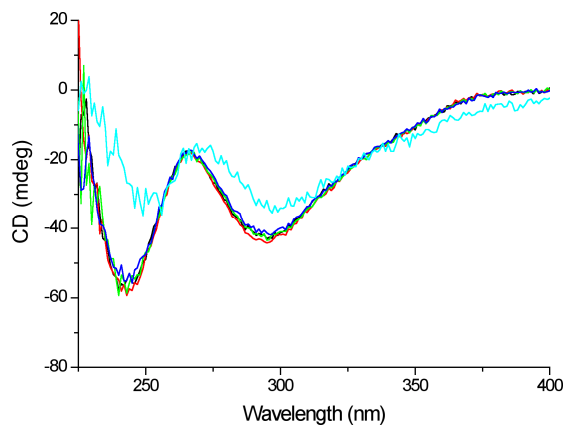
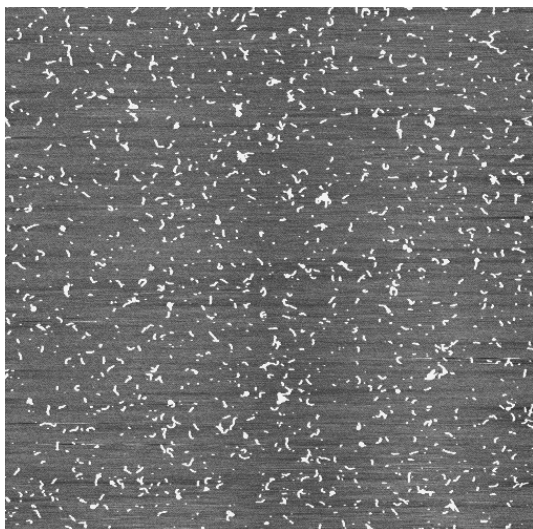


Figure S5. Variable temperature CD spectra (1 mg in 5 mL) measured in water of **P0**: 10 °C (—); 20 °C (—); 50 °C (—); 80 °C (—); 50 °C (after cooling, —).

a)



b)

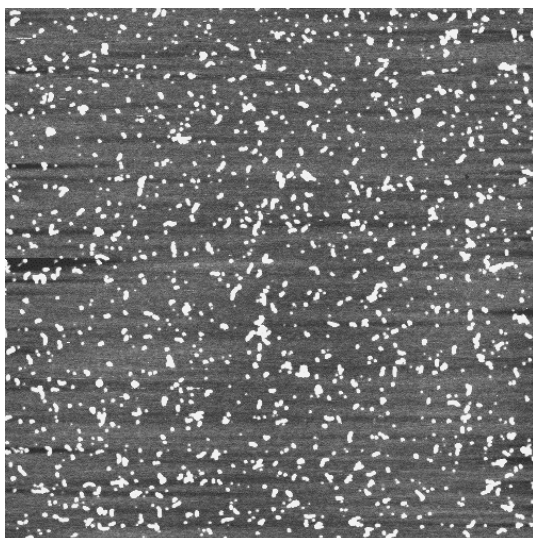
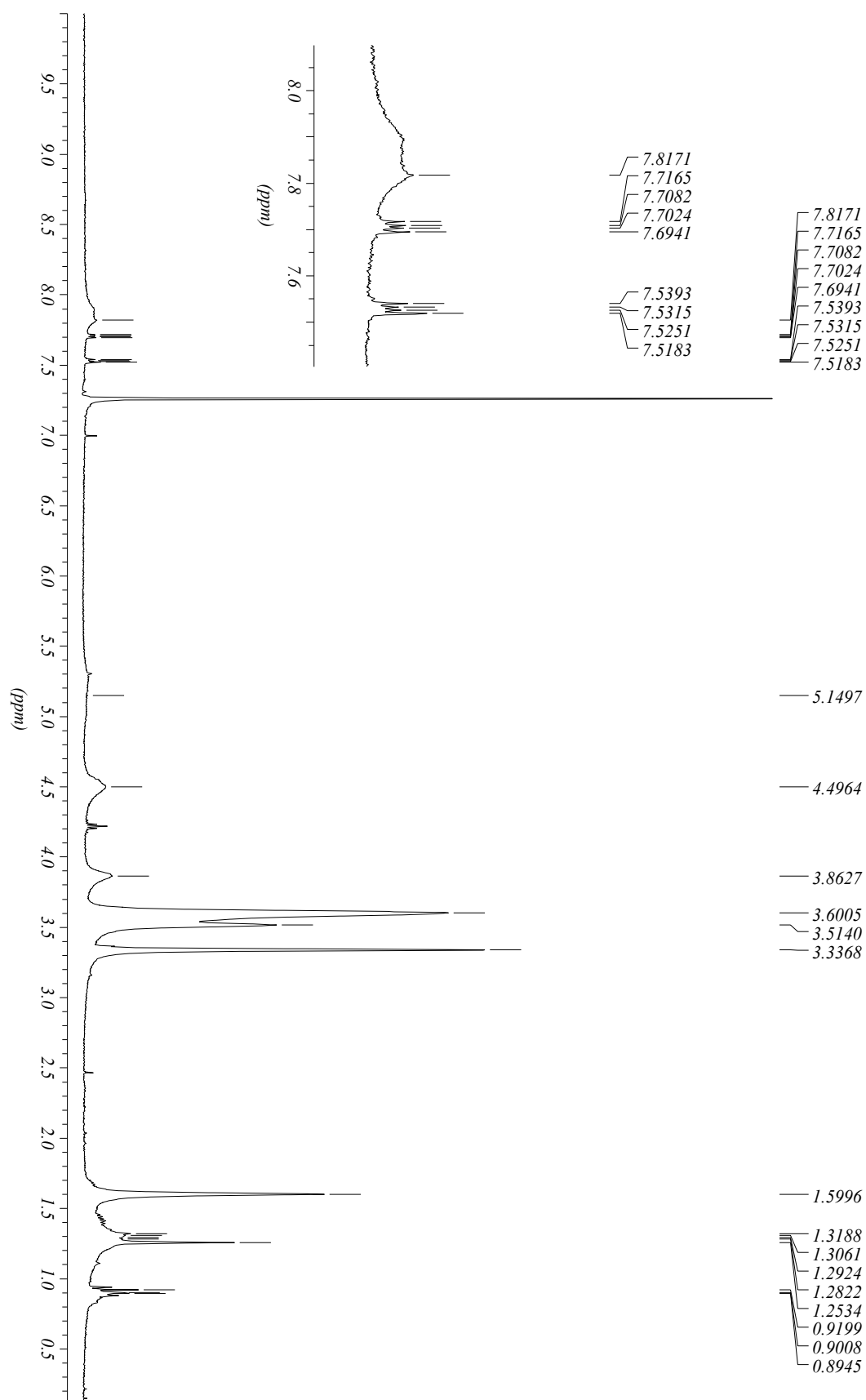
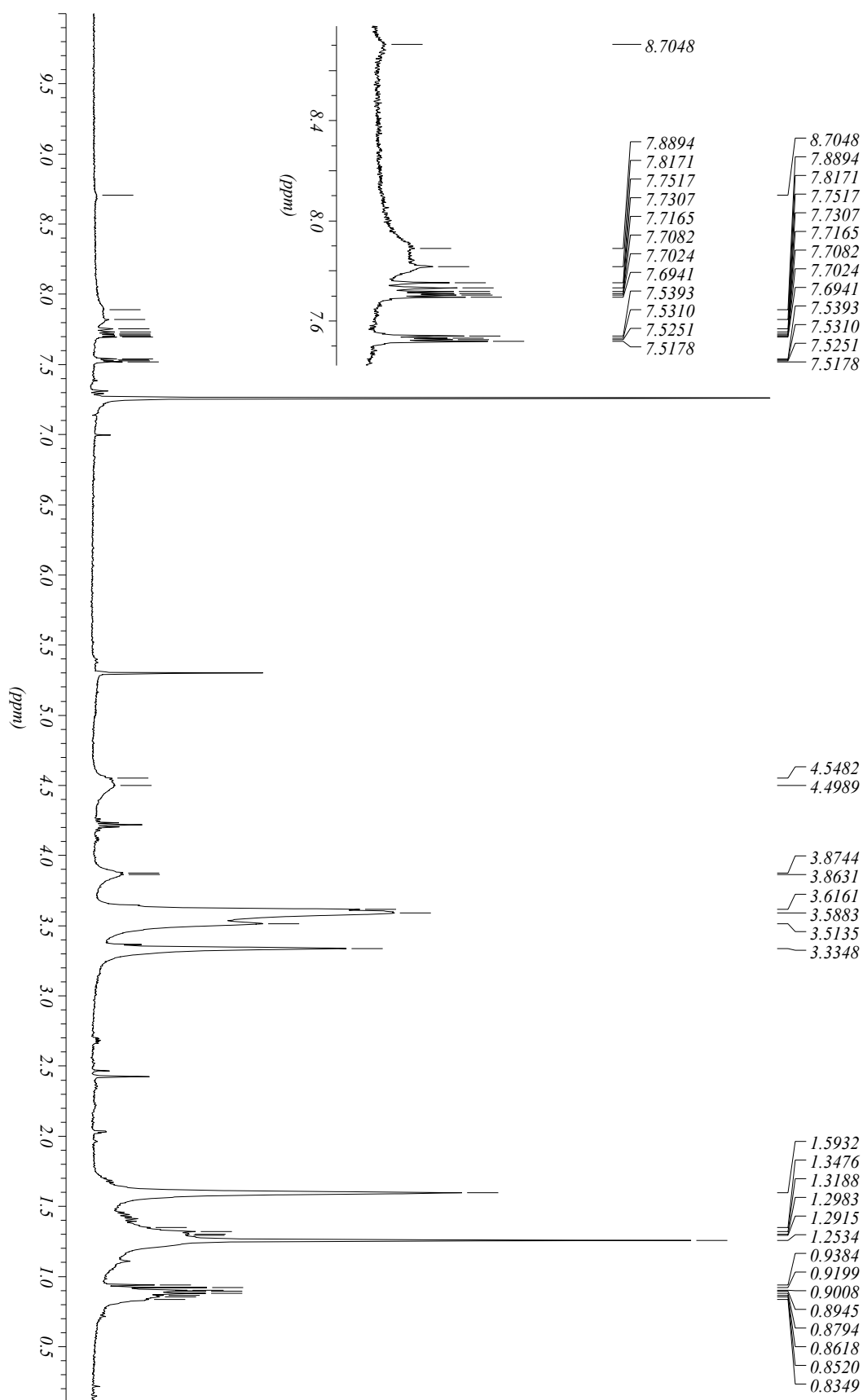


Figure S6. AFM micrographs ($5\ \mu\text{m} \times 5\ \mu\text{m}$) of a) **P0** and b) **P10** spin coated onto mica from chloroform.

A) ¹H NMR spectrum of P1



b) ¹H NMR spectrum of P4



c) ¹H NMR spectrum of P8

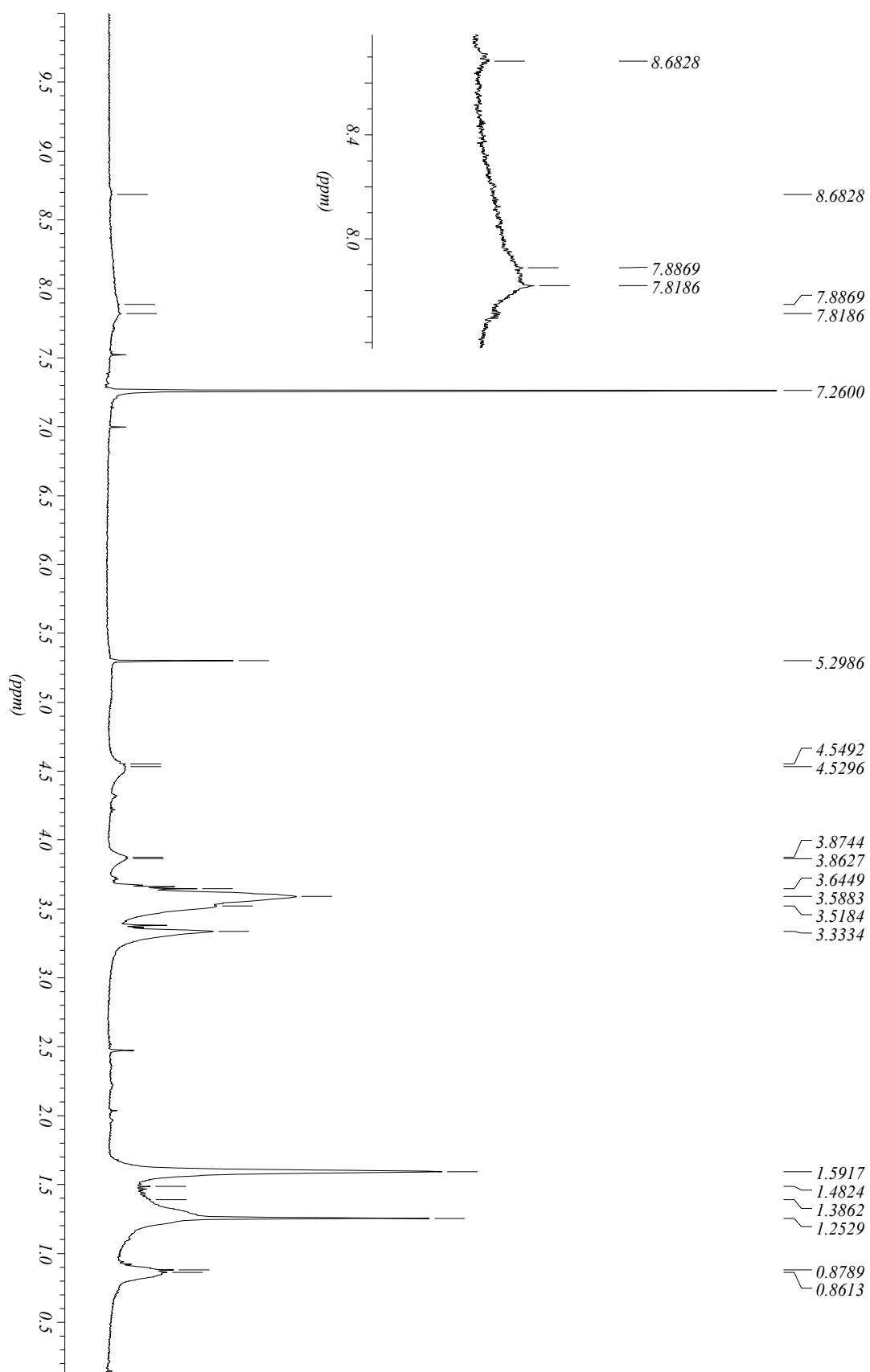


Figure S7. ^1H NMR spectra of polymers a) **P1**; b) **P4** and c) **P8** in CDCl_3 .