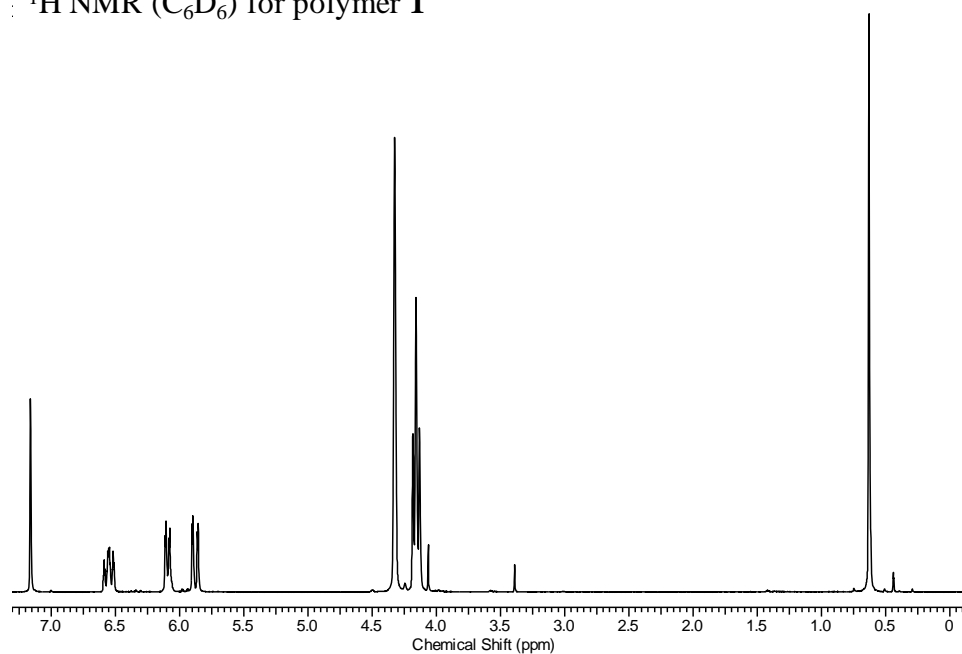


Electronic Supplementary Information (ESI)

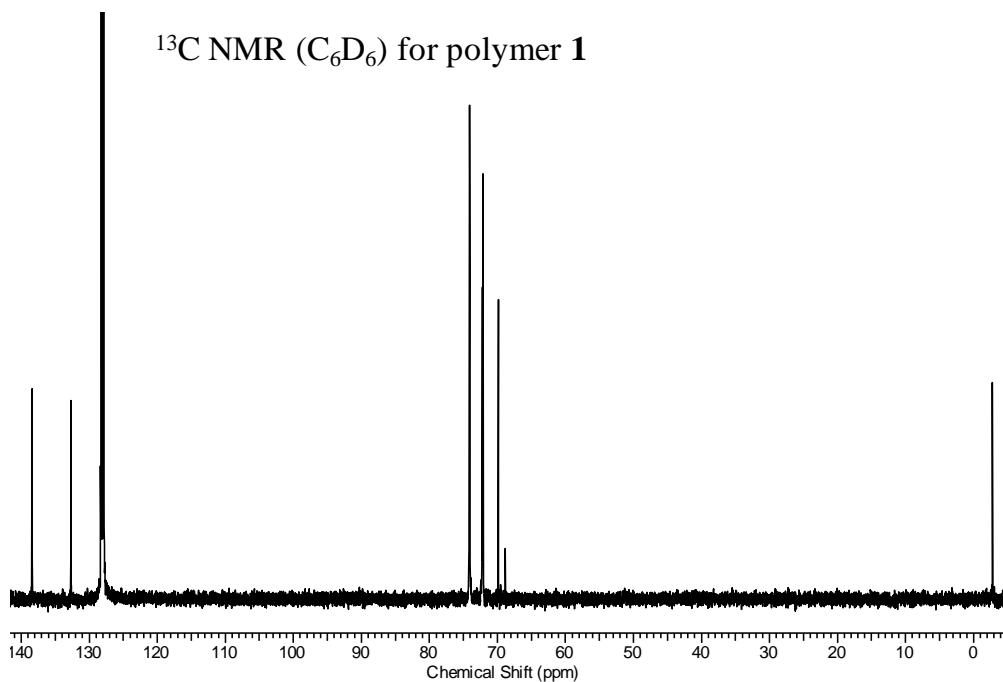
## Controlled thiol-ene post-polymerization reactions on polyferrocenylsilane homopolymers and block copolymers

Laurent Chabanne, Stefan Pfirrmann, David J. Lunn, and Ian Manners\*

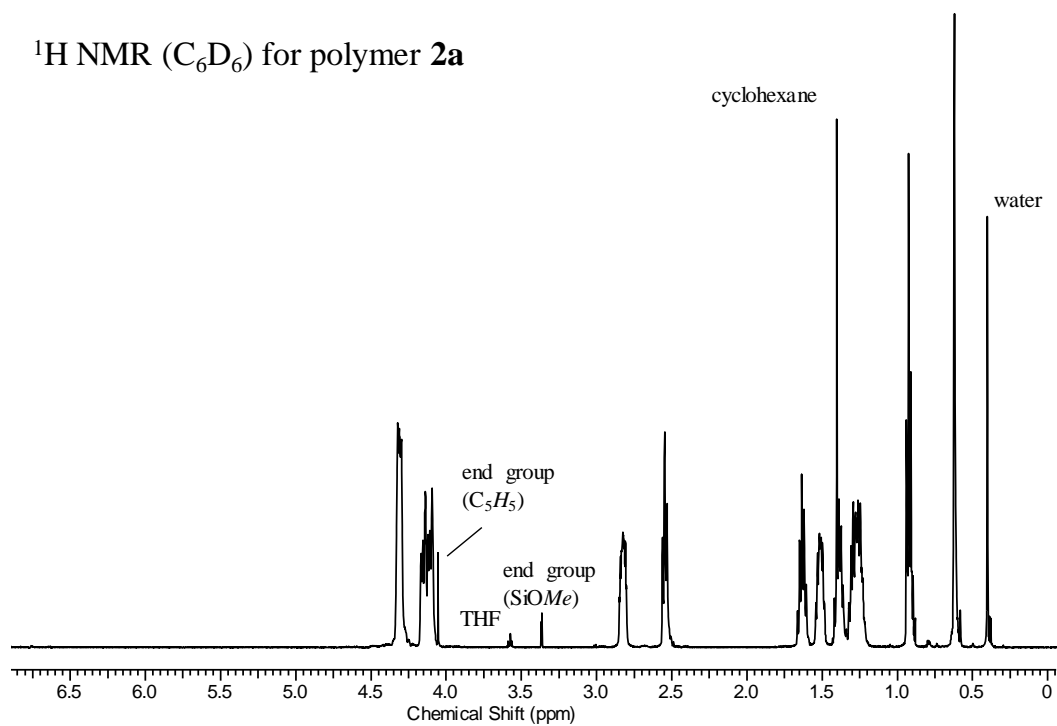
$^1\text{H}$  NMR ( $\text{C}_6\text{D}_6$ ) for polymer **1**



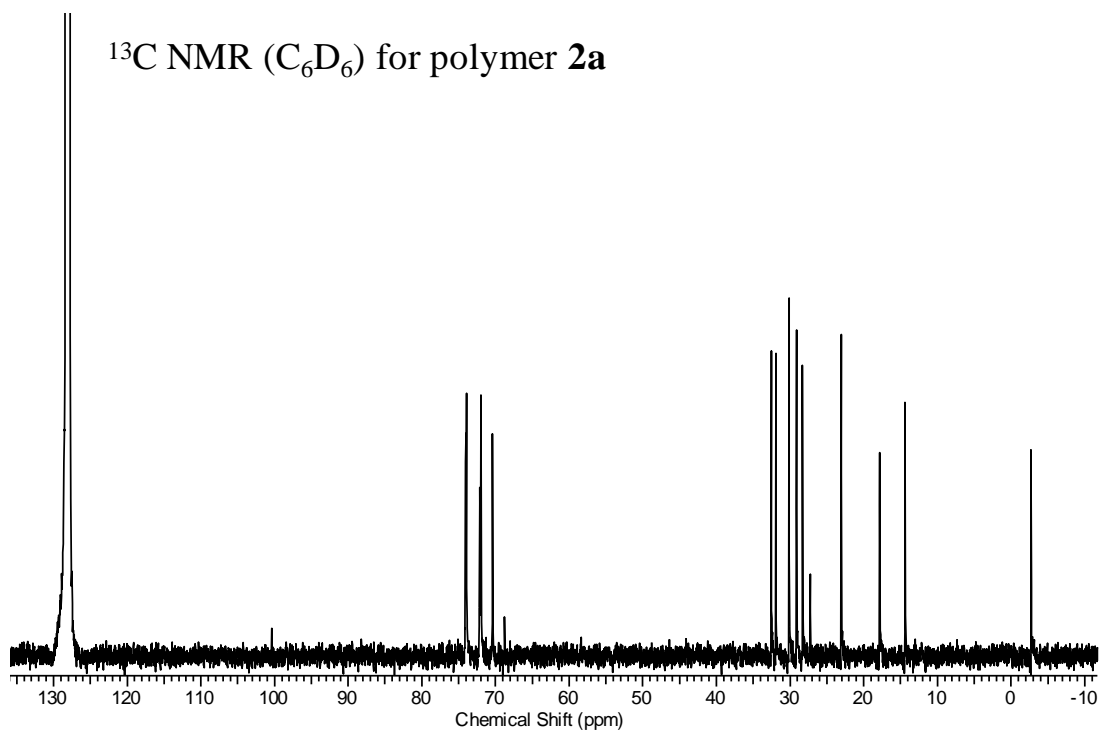
$^{13}\text{C}$  NMR ( $\text{C}_6\text{D}_6$ ) for polymer **1**

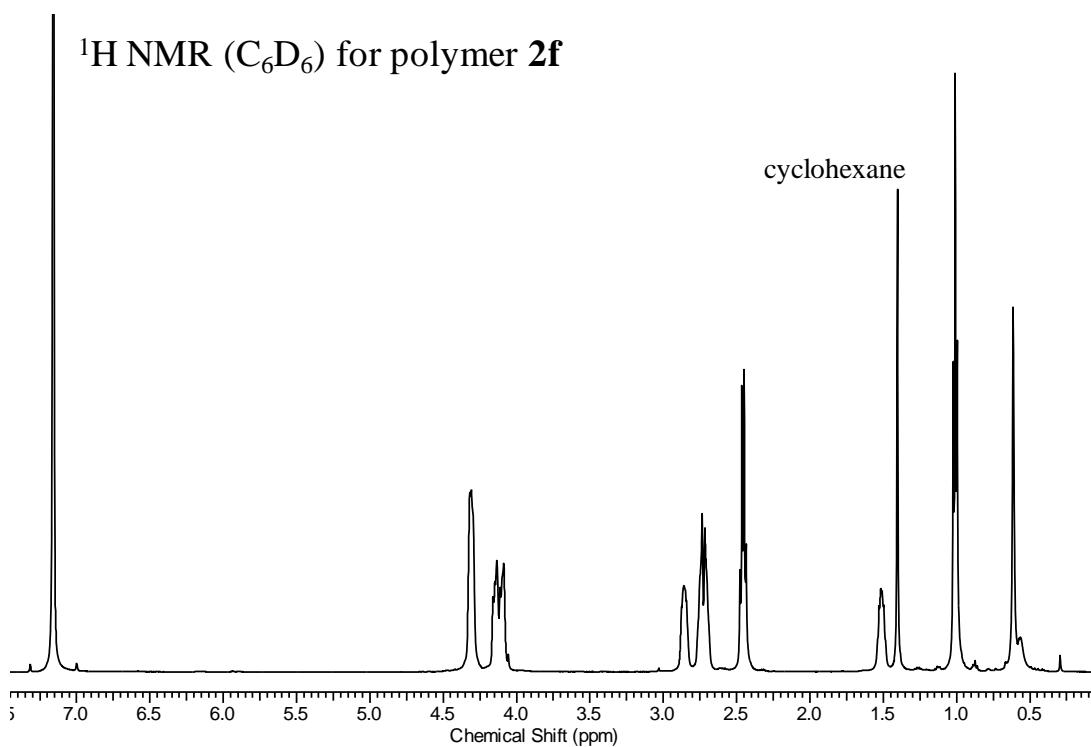
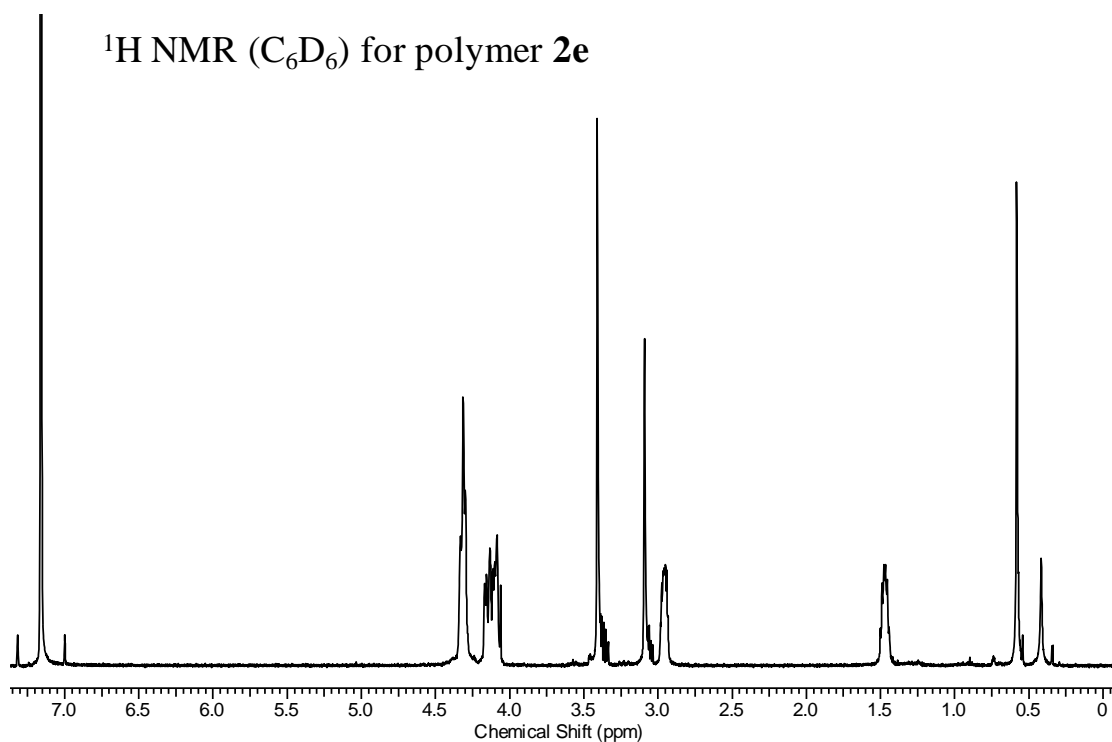


$^1\text{H}$  NMR ( $\text{C}_6\text{D}_6$ ) for polymer **2a**

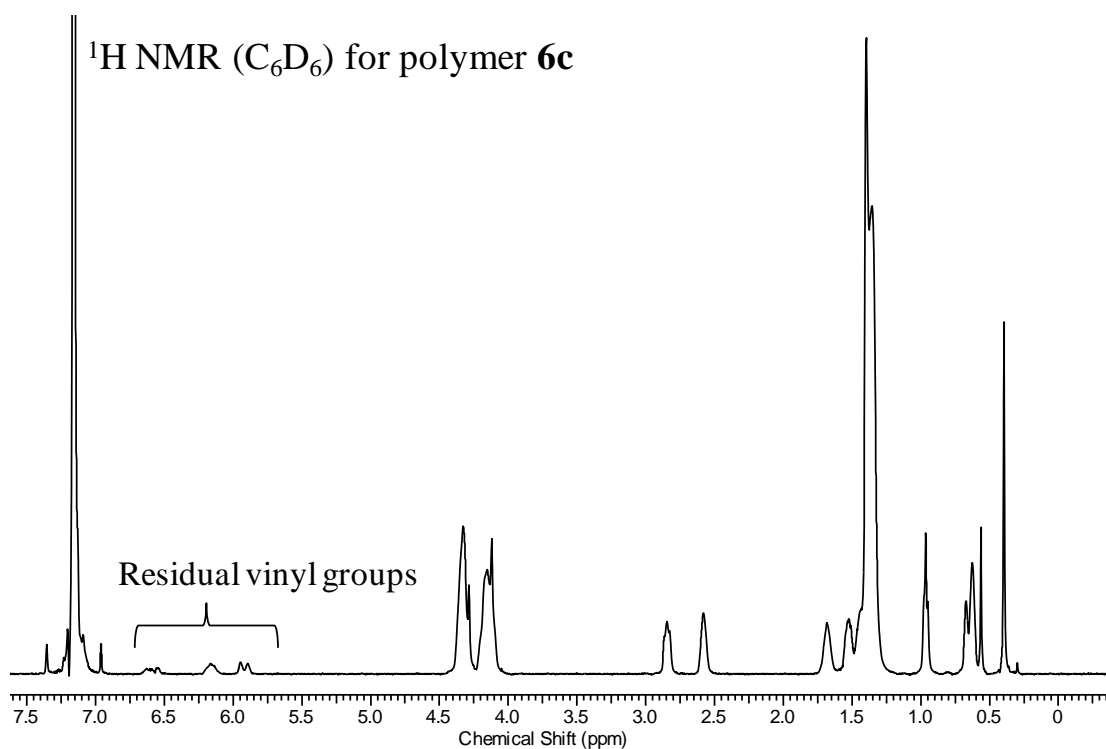


$^{13}\text{C}$  NMR ( $\text{C}_6\text{D}_6$ ) for polymer **2a**

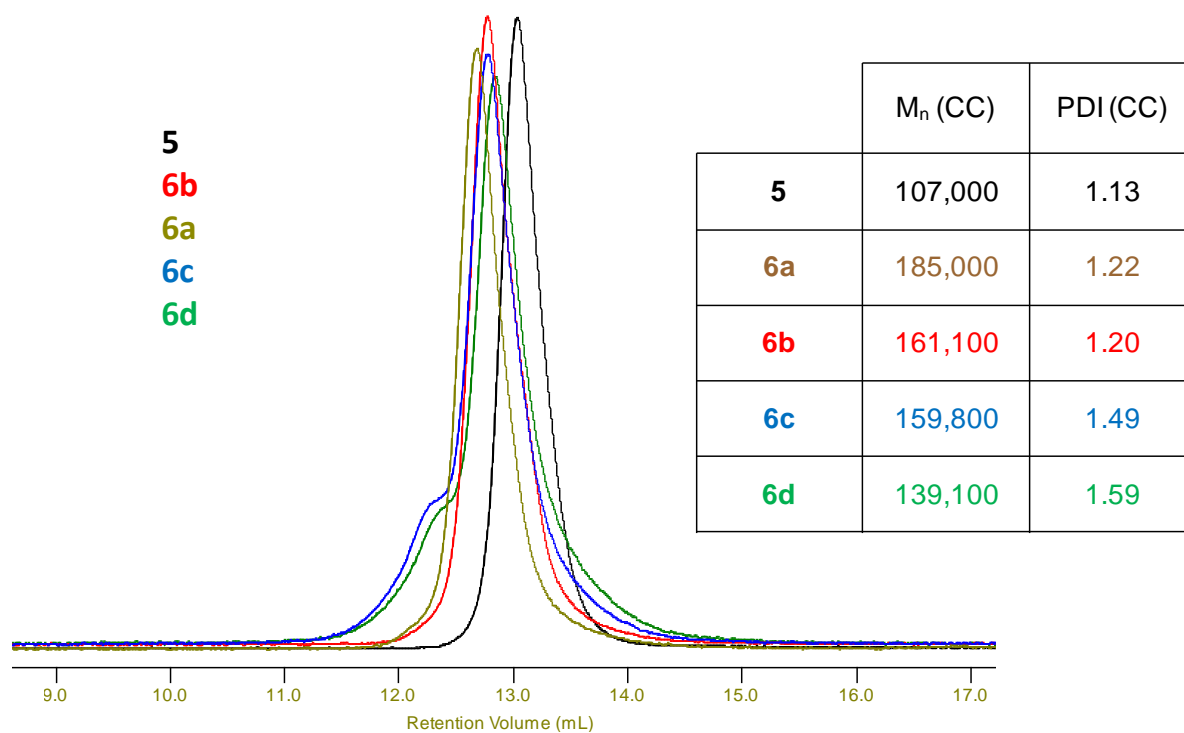




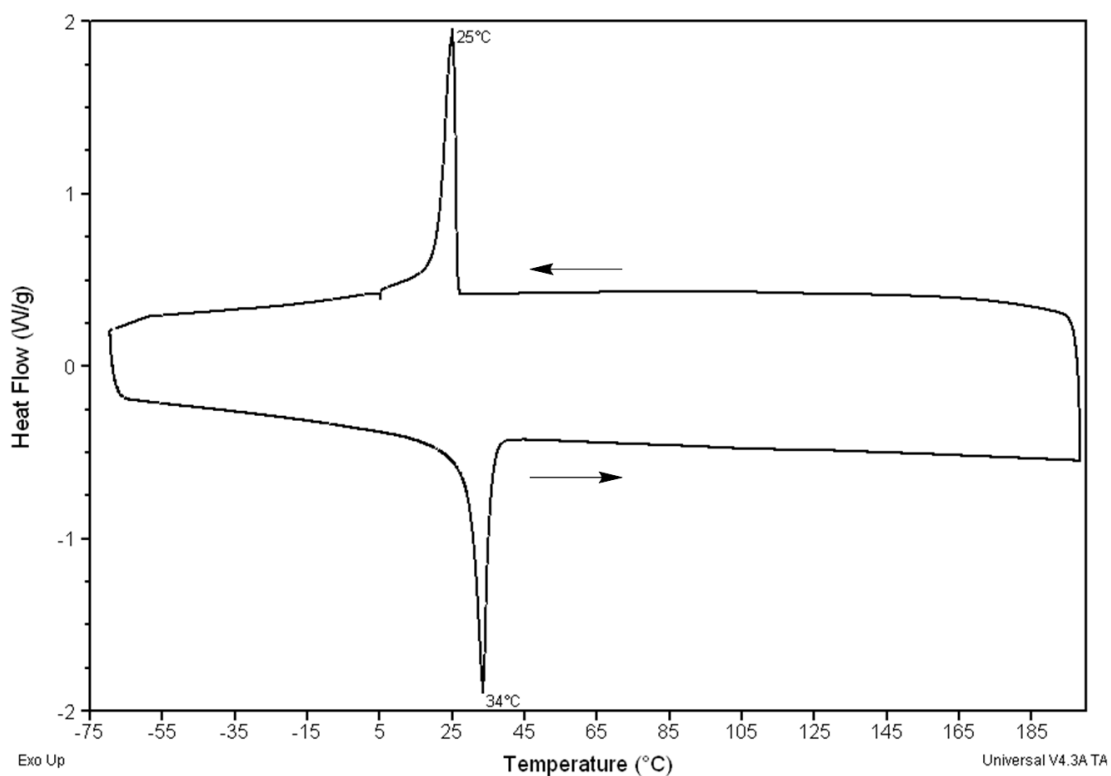
**Figure S1.** Representative NMR spectra for various homopolymers



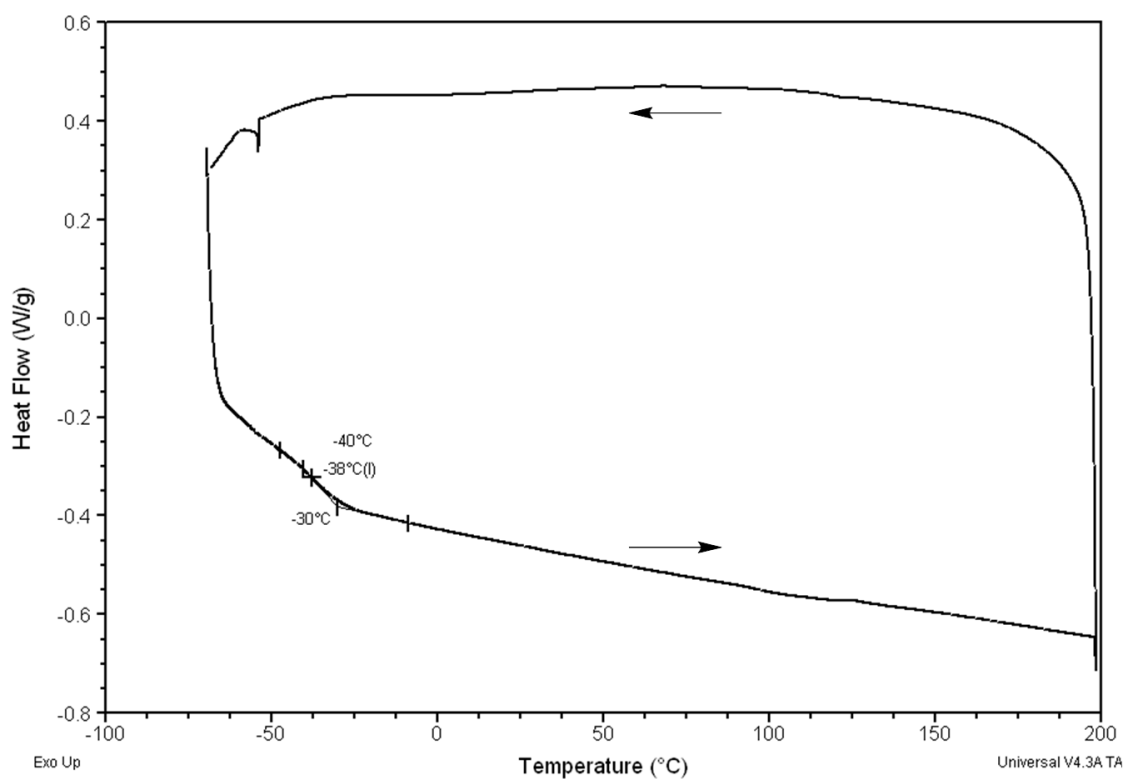
**Figure S2.** <sup>1</sup>H NMR spectrum for diblock copolymer **6c** with residual vinyl groups



**Figure S3.** GPC traces of precursor **5** and hydrothiolated diblock copolymers **6a-d**.



**Figure S4.** DSC of diblock copolymer **6a** at a scan rate of 10 °C/min.



**Figure S5.** DSC of diblock copolymer **6b** at a scan rate of 10 °C/min.