

Supporting information for

Thermoplastic Polyesters and Co-polyesters Derived From Vegetable Oil: Synthesis and Optimization of Melt Polycondensation for Medium and Long Chain Poly (ω -hydroxyfatty acid)s and their Ester Derivatives

1. Figures S1(a-f): ^1H NMR spectrums for ω -OHC9, Me- ω -OHC9, Me- ω -OHC13, ω -OHC18, Me- ω -OHC18.
2. Figures S2(a-f): ESI mass spectrums for ω -OHC9, Me- ω -OHC9, Me- ω -OHC13, ω -OHC18, Me- ω -OHC18.
3. Figures S3(a-c): ^1H NMR spectrums for P(Me- ω -OHC9), P(Me- ω -OHC13) and P(Me- ω -OHC18).

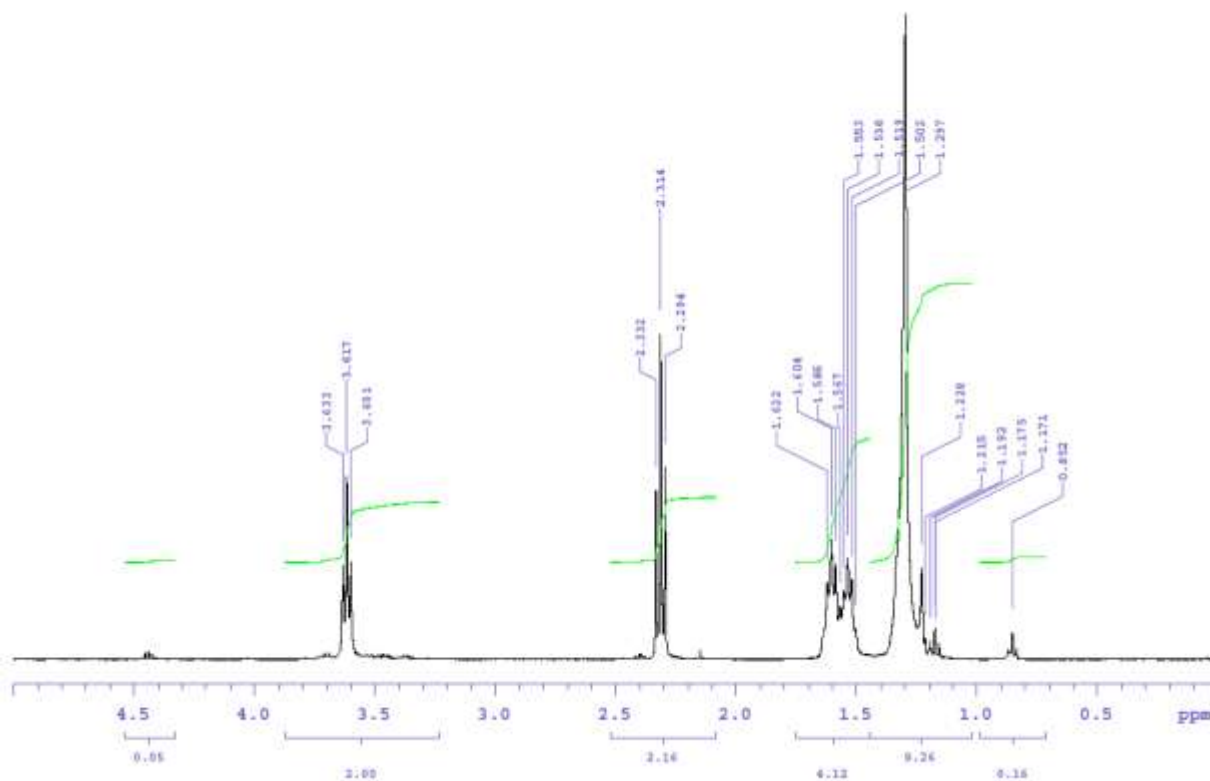


Figure S1a- ^1H NMR Spectrum of (ω -OHC9)

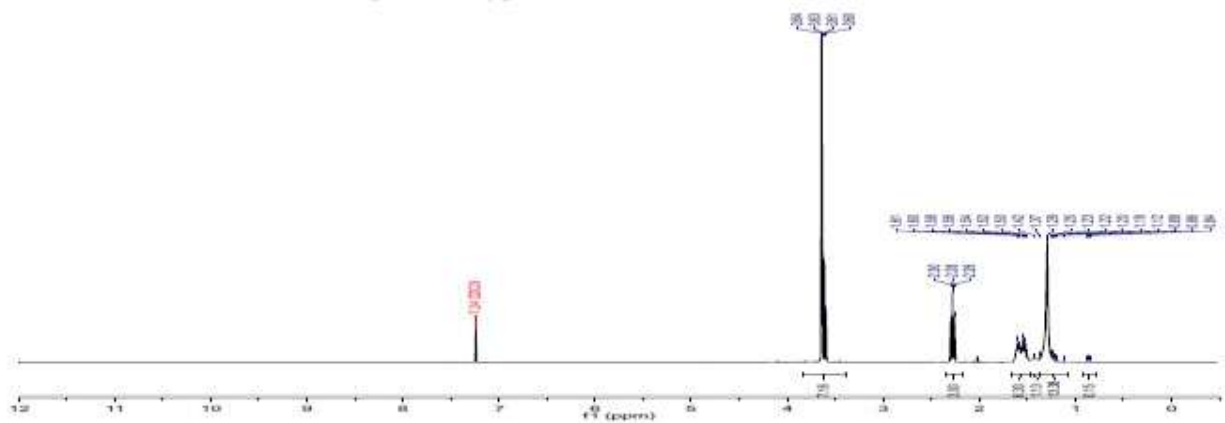


Figure S1b- ¹H NMR Spectrum of (Me- ω -OHC9)

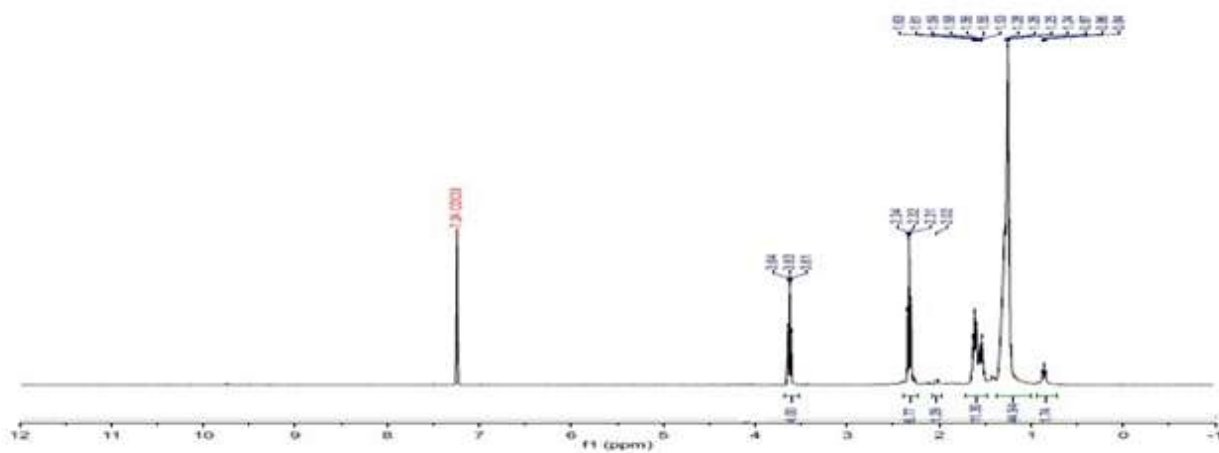


Figure S1c- ¹H NMR Spectrum of (ω -OHC13)

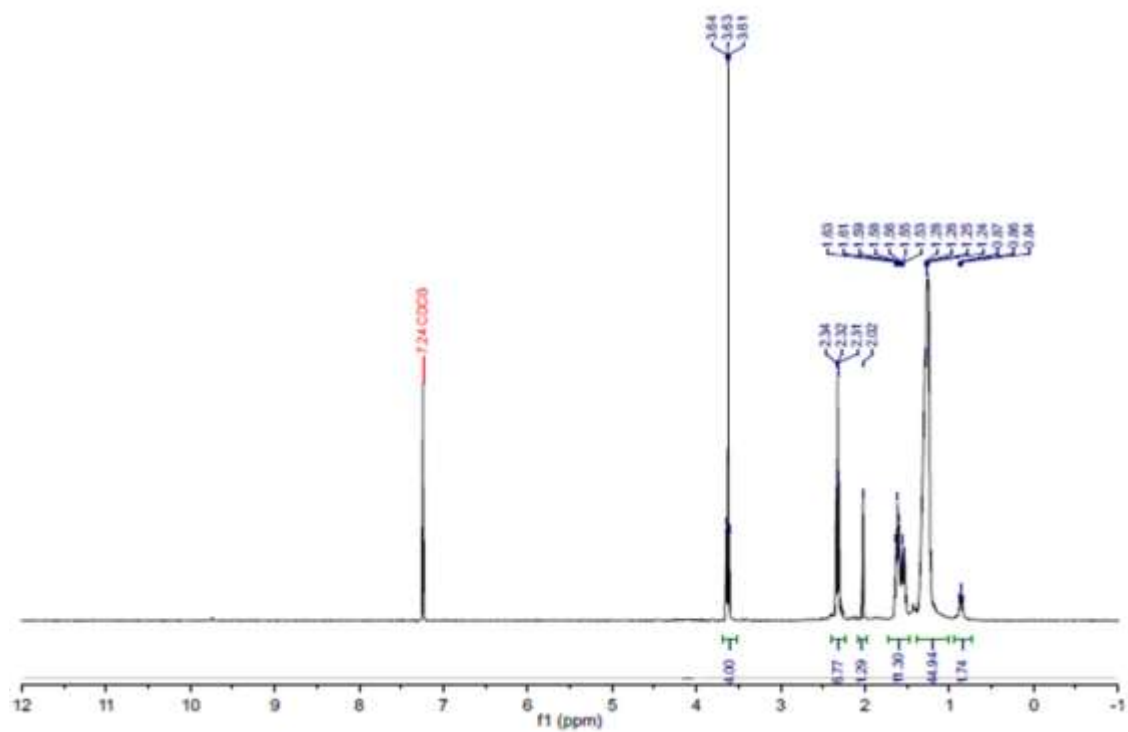


Figure S1d- ¹H NMR Spectrum of (Me- ω -OHC13)

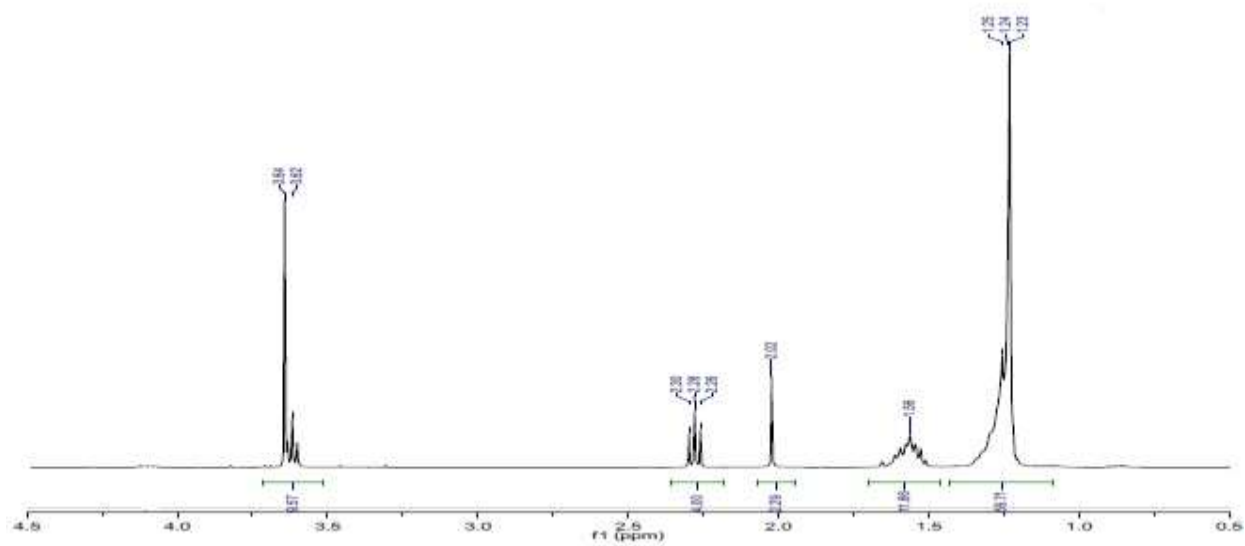


Figure S1e- ¹H NMR Spectrum of (Me- ω -OHC18)

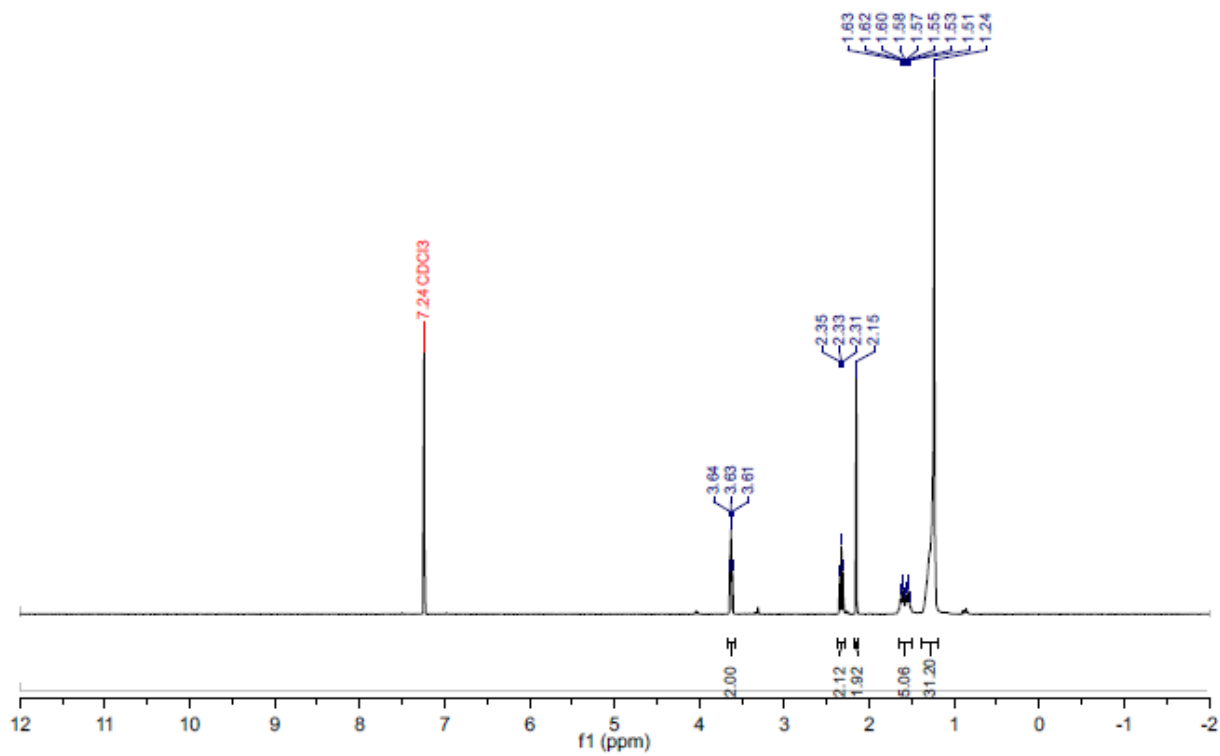


Figure S1f. ¹H NMR Spectrum of (ω-OHC18)

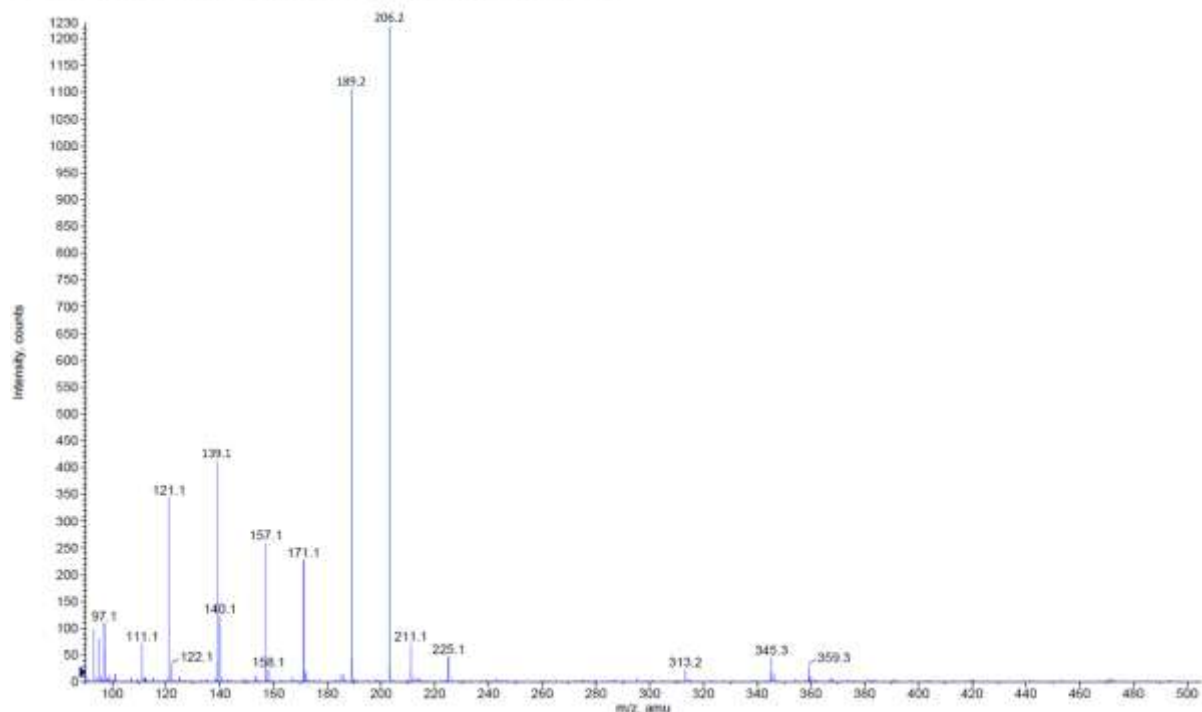


Figure S2a. Mass Spectrum of (Me- ω -OHC9)

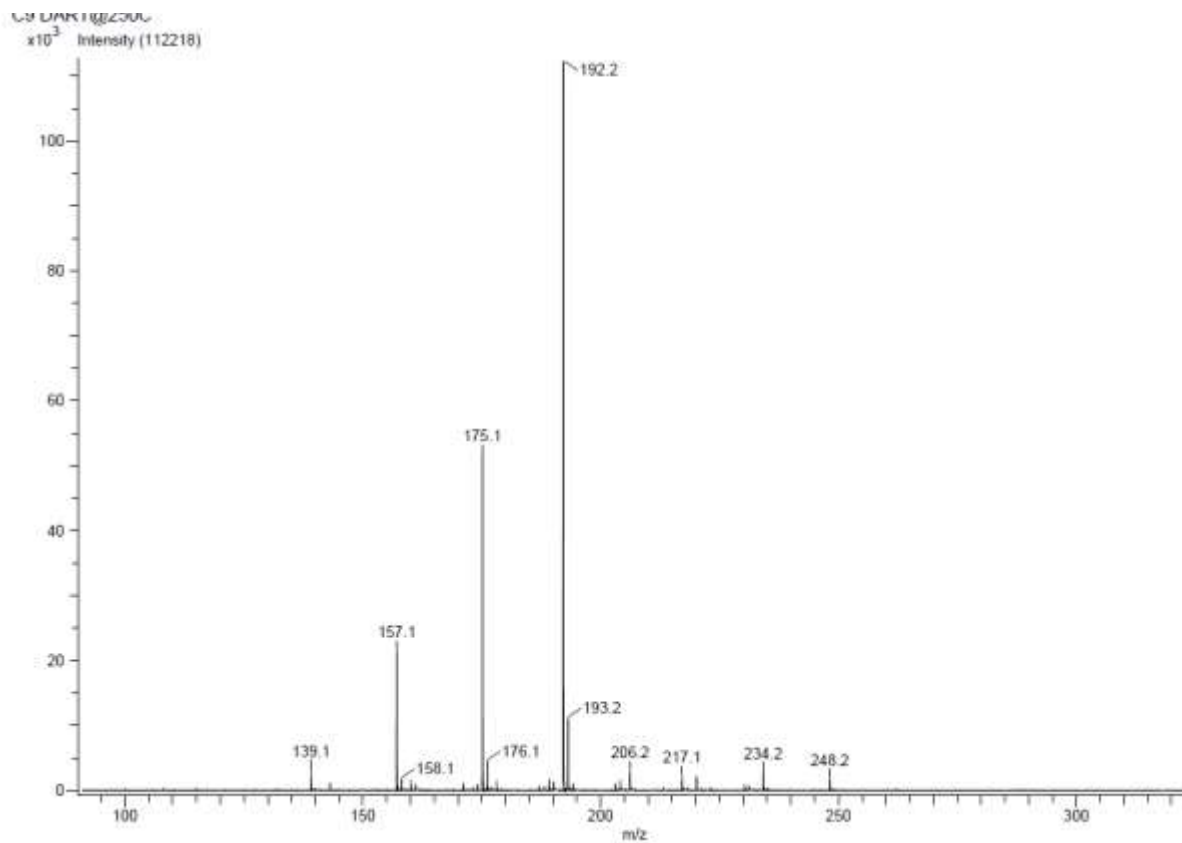


Figure S2b. Mass Spectrum of (ω -OHC9)

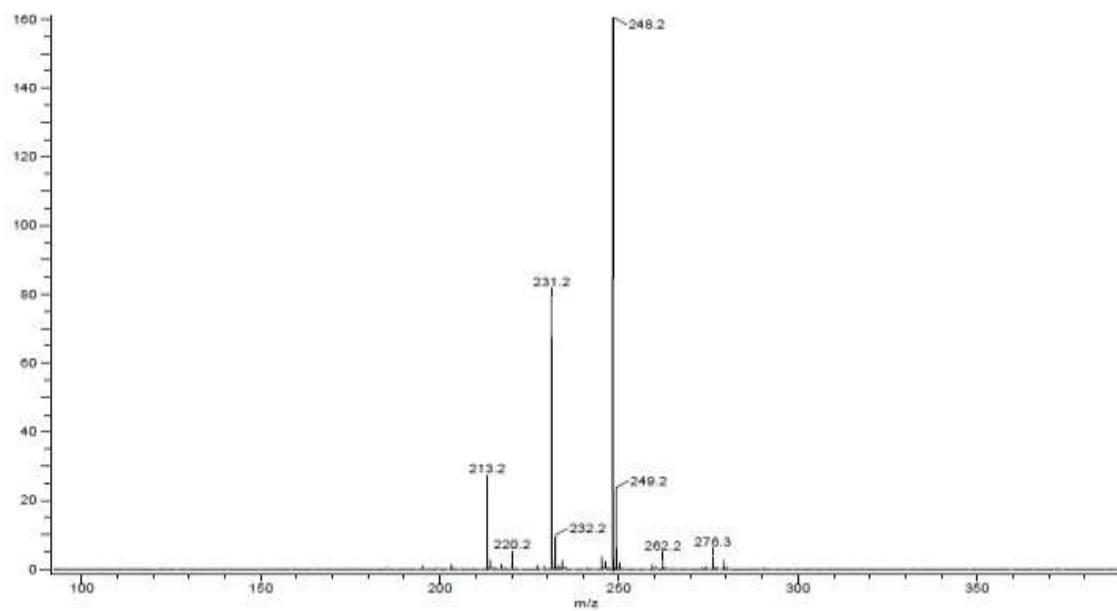


Figure S2c. Mass Spectrum of (ω -OHC13)

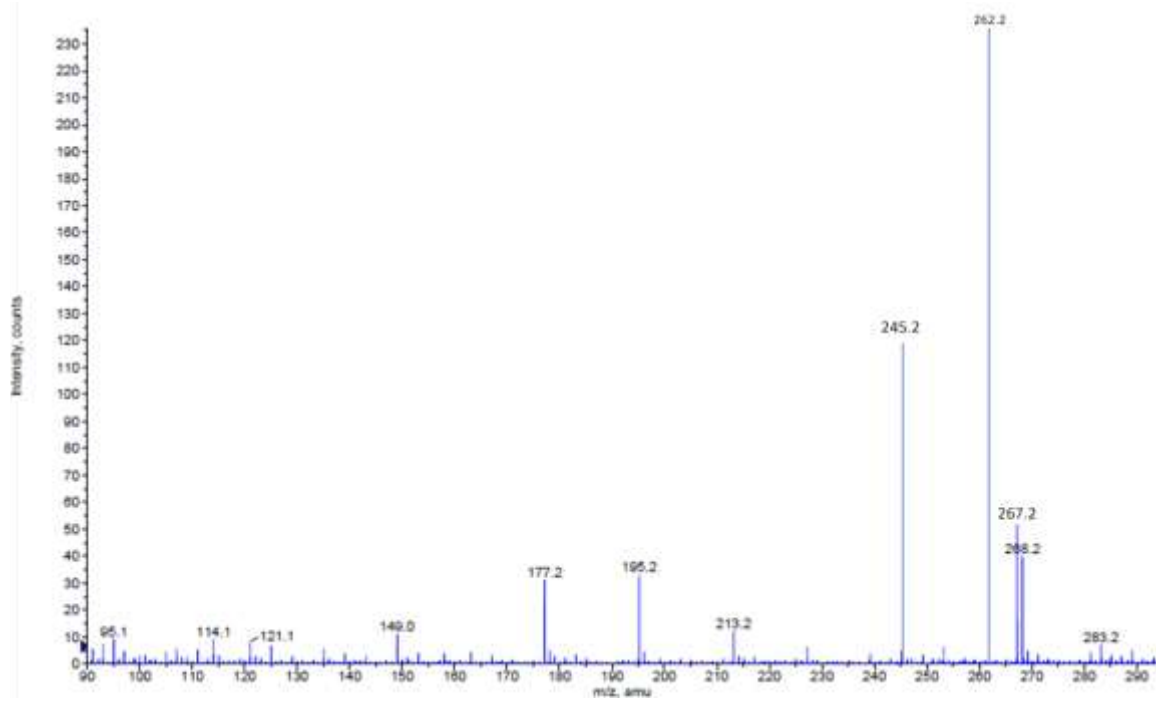


Figure S2d. Mass Spectrum of (Me- ω -OHC13)

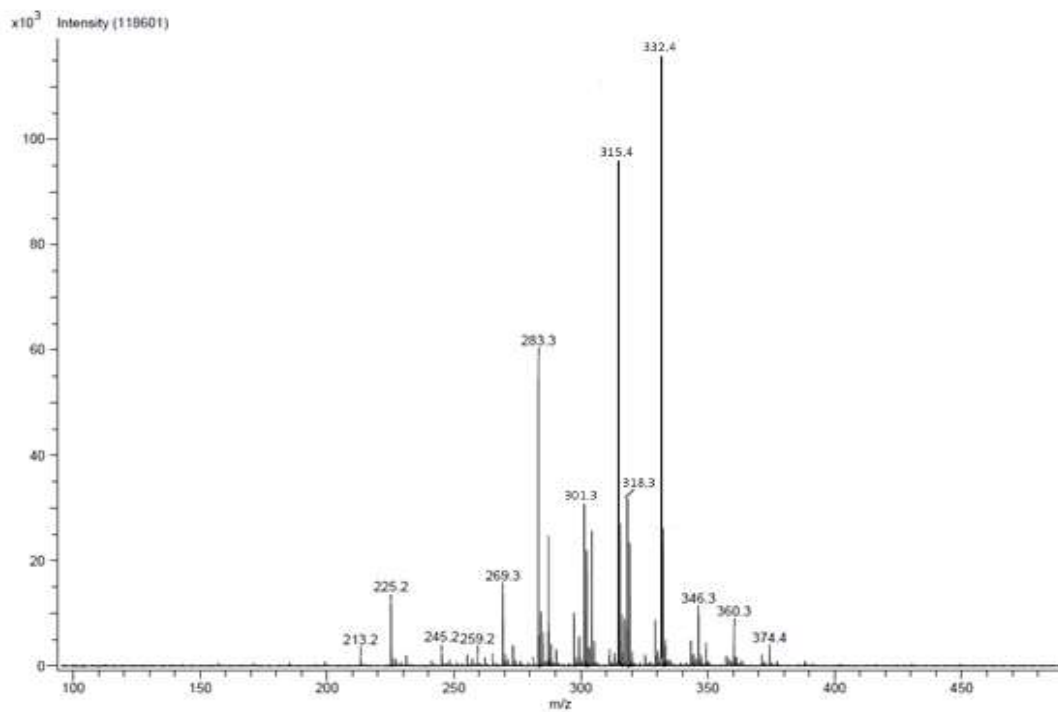


Figure S2e. Mass Spectrum of (Me- ω -OHC18)

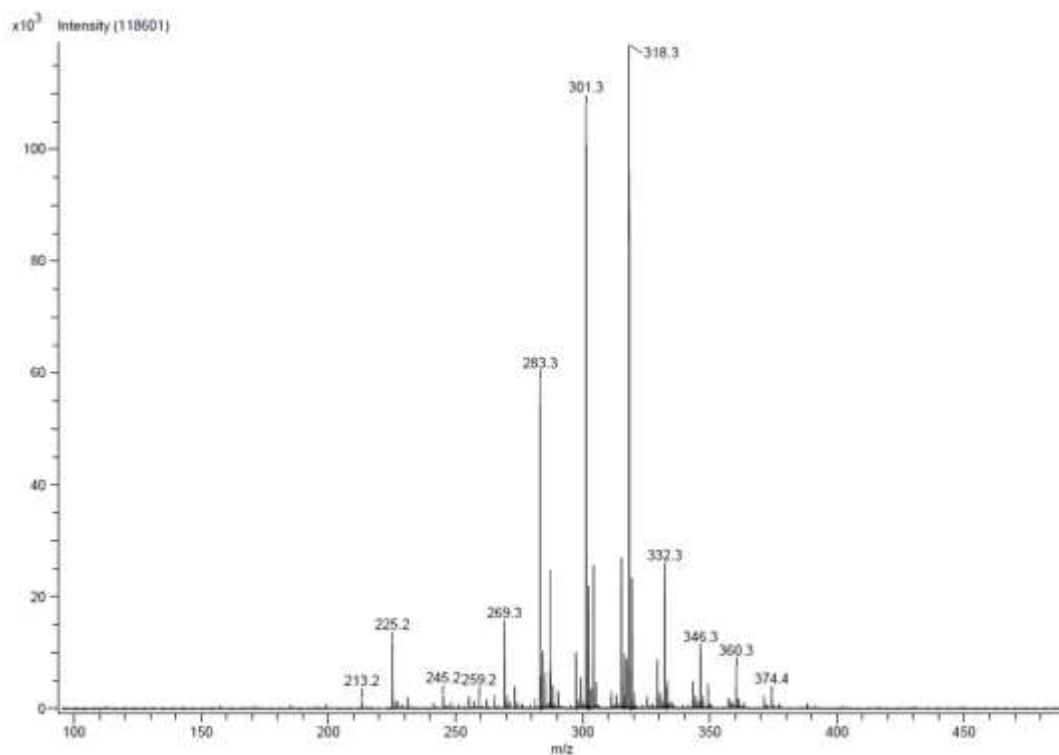


Figure S2f. Mass Spectrum of (ω-OHC18)

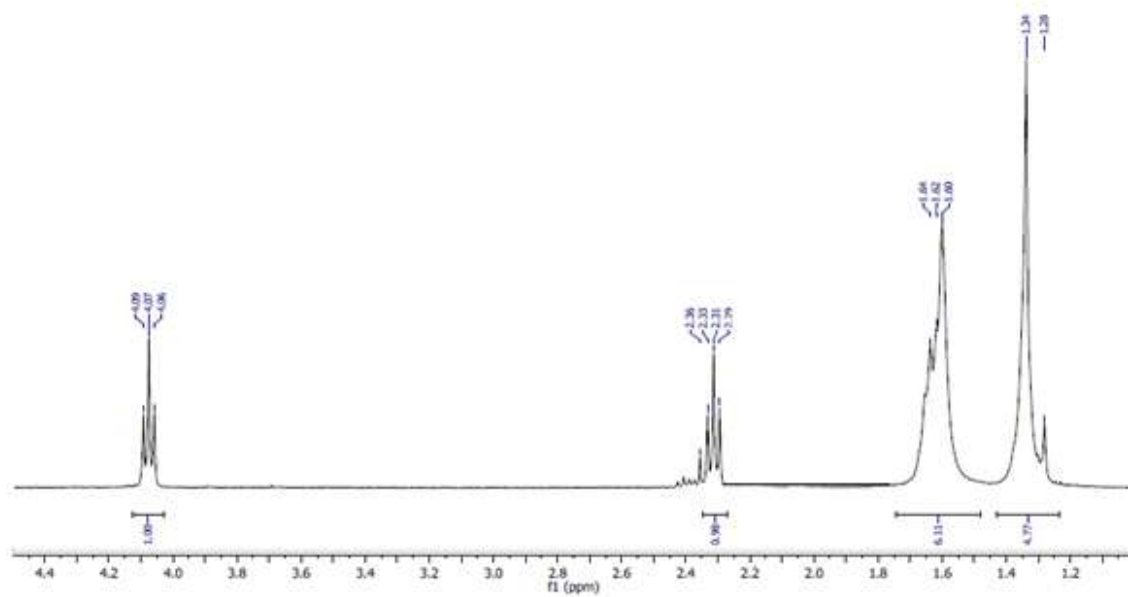


Figure S3a. ¹H NMR Spectrum of P(ω -OHC9) and P(Me- ω -OHC9)

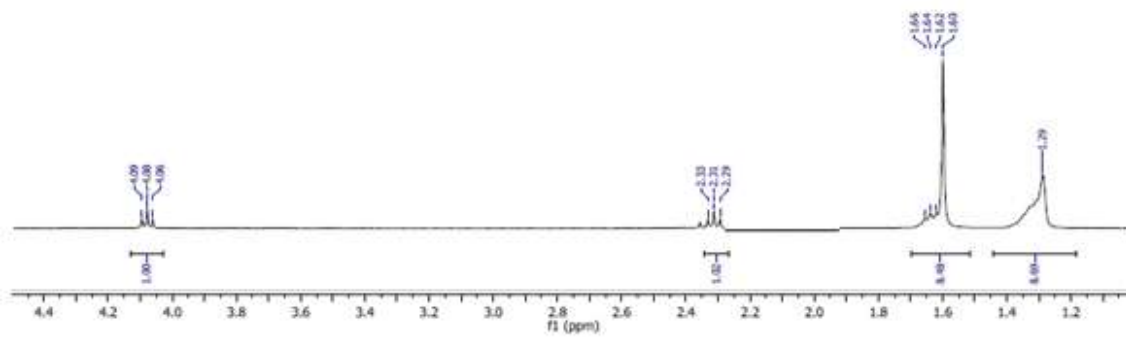


Figure S3b. ¹H NMR Spectrum of P(ω -OHC13) and P(Me- ω -OHC13)

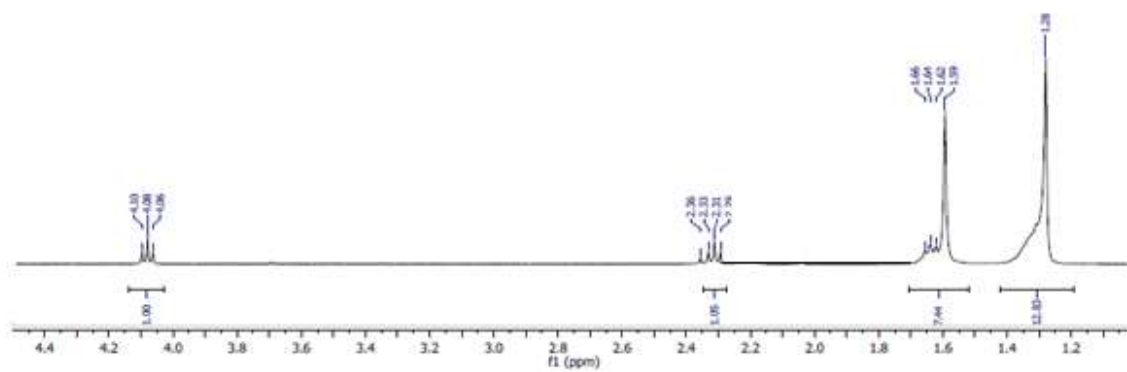


Figure S3c. ¹H NMR Spectrum of P(ω -OHC18) and P(Me- ω -OHC18)