

SUPPLEMENTARY INFORMATION

Degradable Copolymer of 2-Methylene-1,3-dioxepane and Vinyl Acetate by Photo-induced Cobalt-Mediated Radical Polymerization

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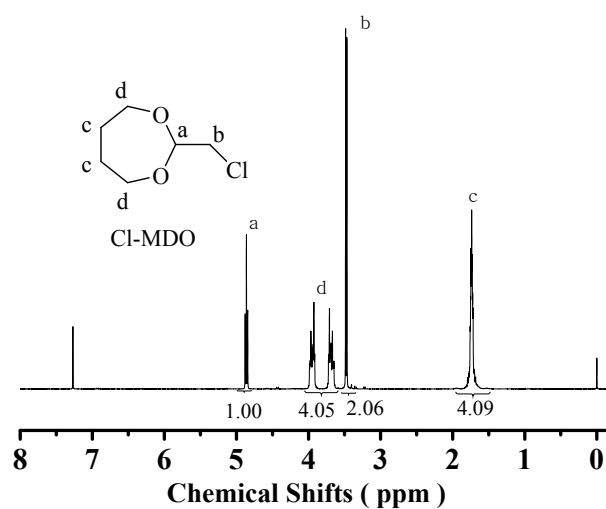


Fig. S1 ¹H NMR spectrum of Cl-MDO

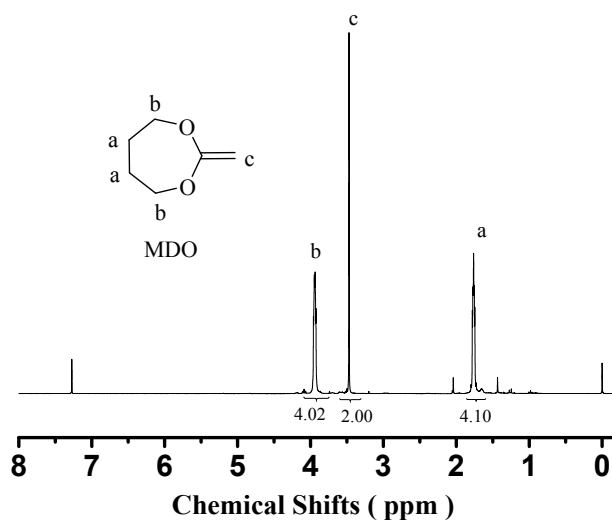


Fig. S2 ¹H NMR spectrum of MDO

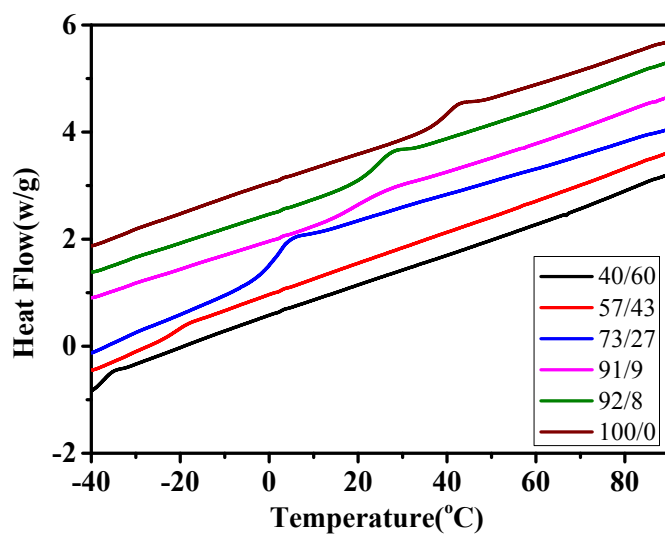


Fig. S3 Differential scanning calorimetry (DSC) of poly(MDO-*co*-VAc) with different composition.

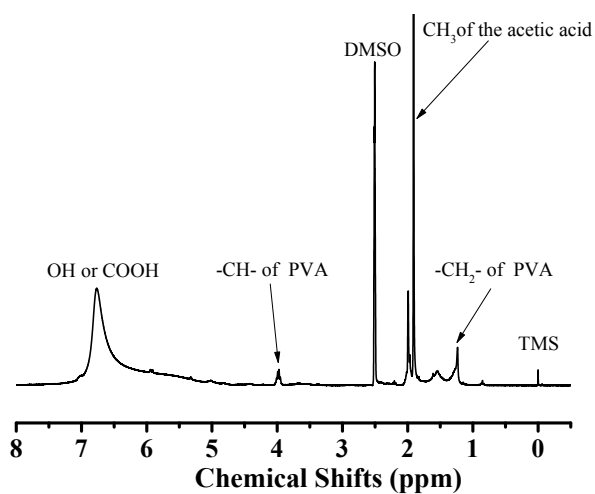
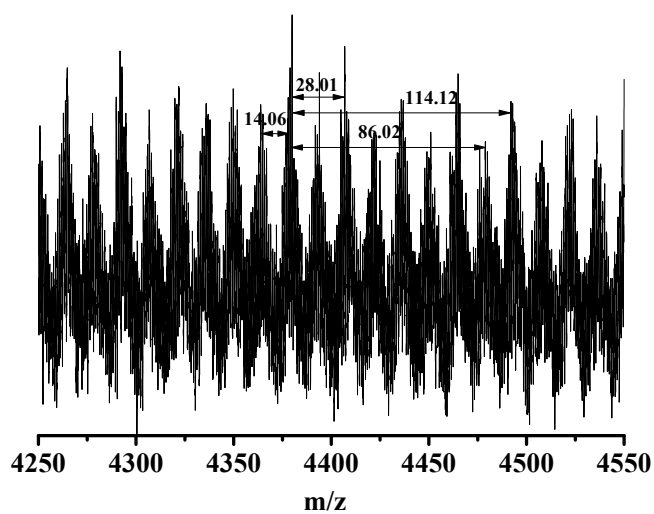


Fig. S4 ¹H NMR spectrum after hydrolysis of poly(VAc-*co*-MDO) in DMSO-D₆



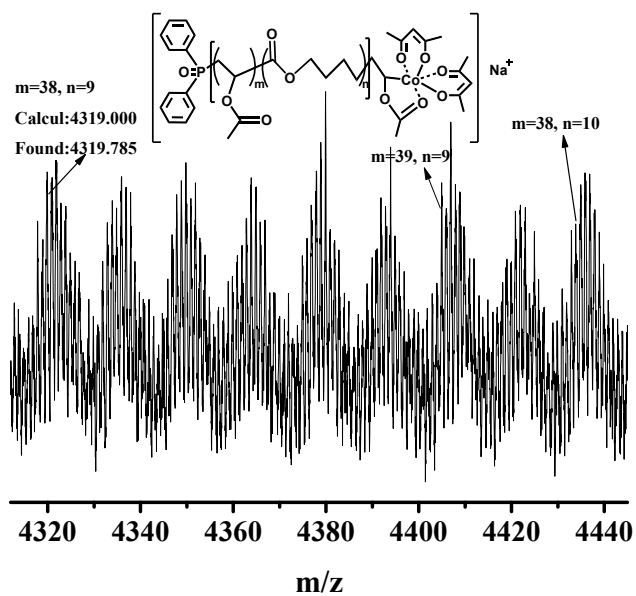


Fig. S5 Matrix assisted laser desorption/ ionization time-of-flight (MALDI-TOF) mass spectrometry of poly(MDO-*co*-VAc) ($M_{n, GPC} = 12100$ g/mol, $D = 1.53$, Conv.= 24.4 %) obtained from the CMRP under UV irradiation(450 $uw \cdot cm^{-2}$ at 365 nm) with the molar ratio $[VAc]_0:[MDO]_0:[Co(acac)_2]_0:[TPO]_0 = 200:200:1:0.6$.