

Supporting Information for

Aliphatic Polycarbonates and Poly(ester carbonate)s from Fatty Acid Derived Monomers

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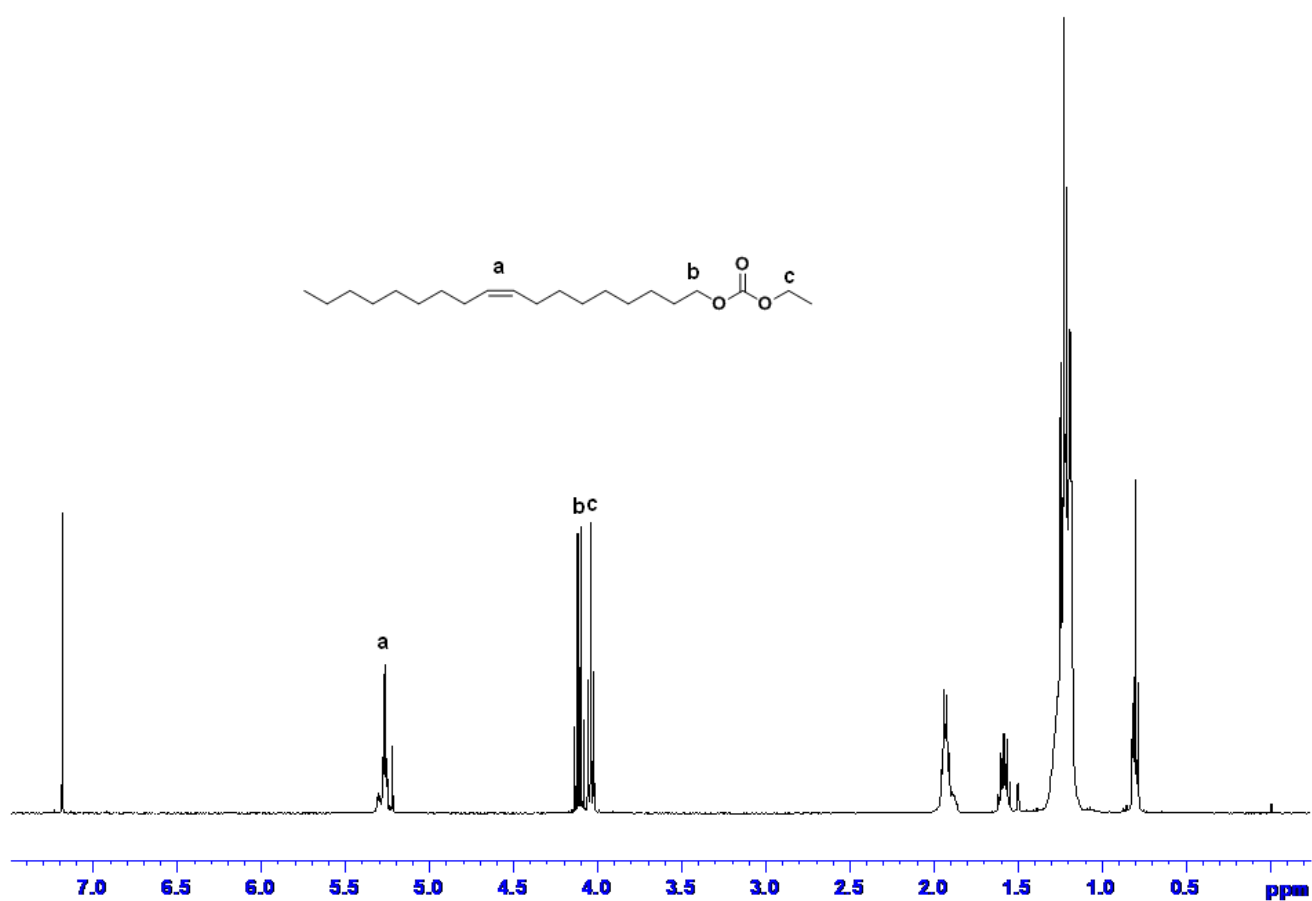


Figure S1. ¹H-NMR spectrum of Oleyl Carbonate

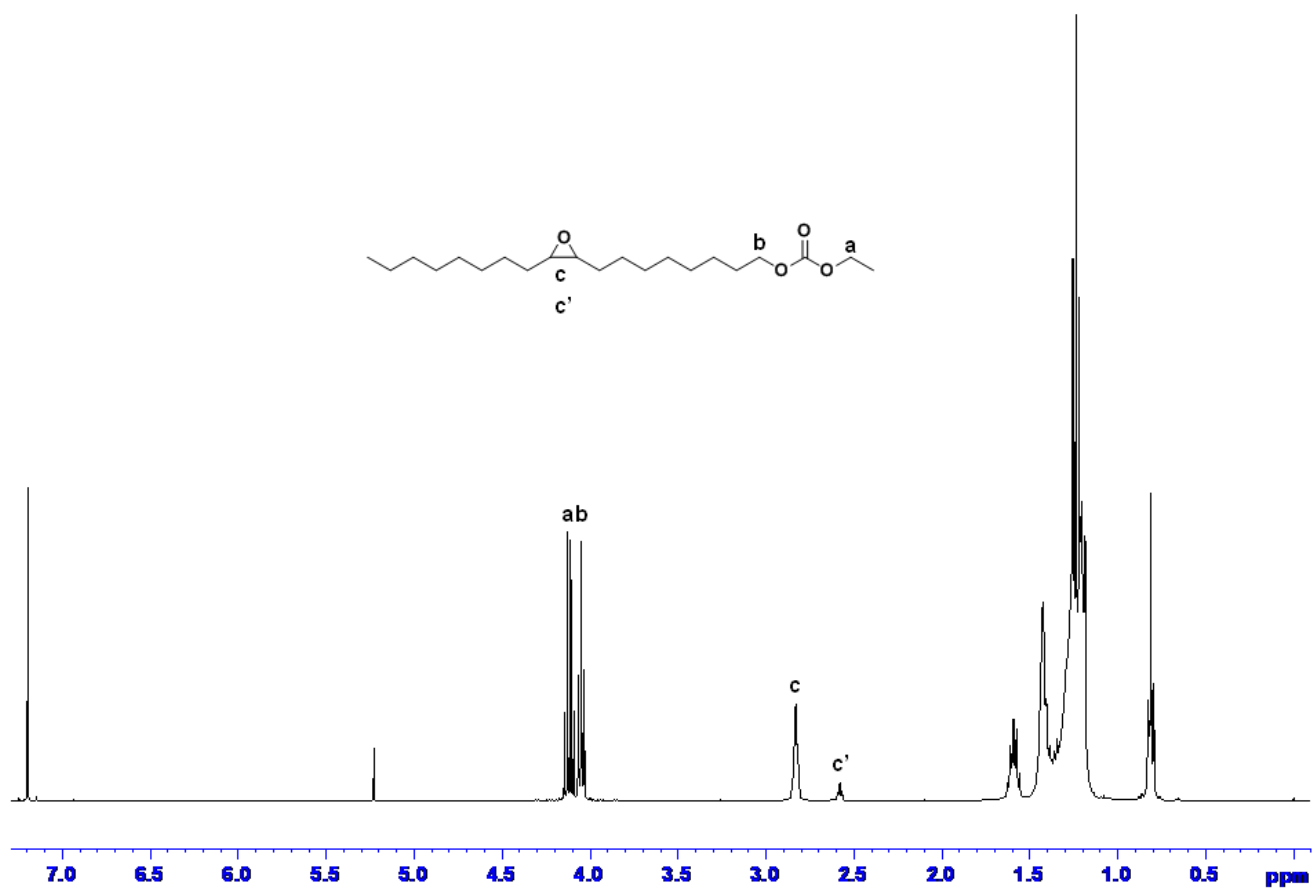


Figure S2. ¹H-NMR spectrum of Epoxidised Oleyl Carbonate

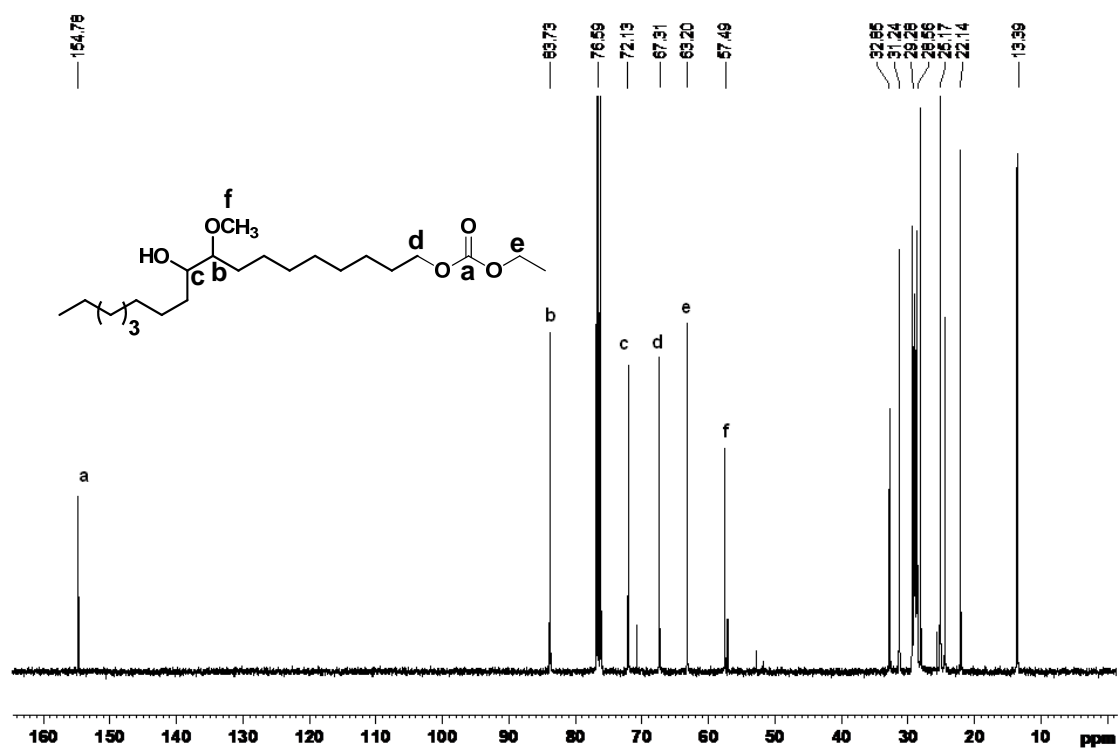


Figure S3. ¹³C-NMR spectrum of ethyl(10(9)-hydroxy-9(10)-methoxy octadecyl)carbonate (EHMOC, 4/4') (AB-self condensable monomer)

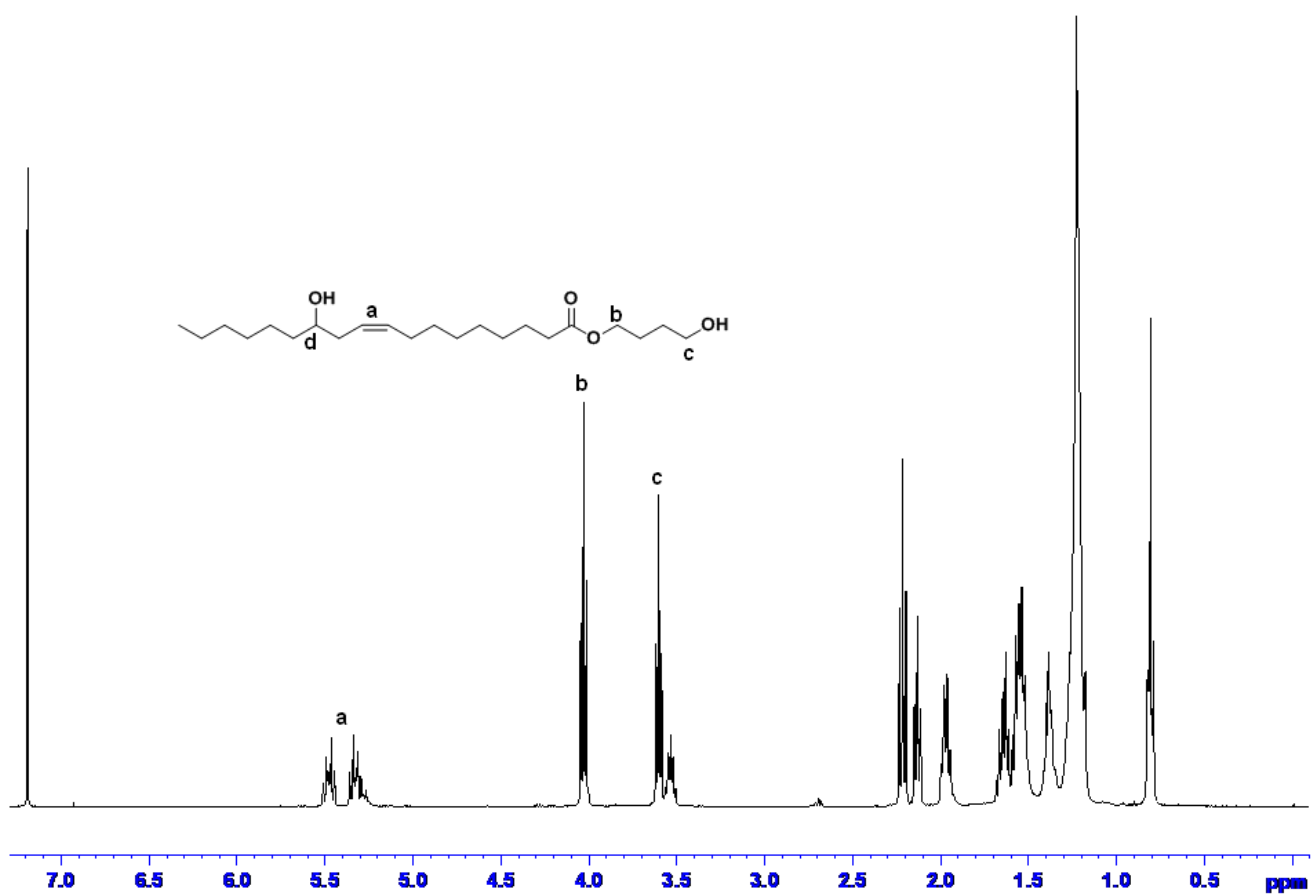


Figure S4. ¹H-NMR spectrum of 4-Hydroxybutyl-12-hydroxyoctadec-9-enoate (HBHOE)

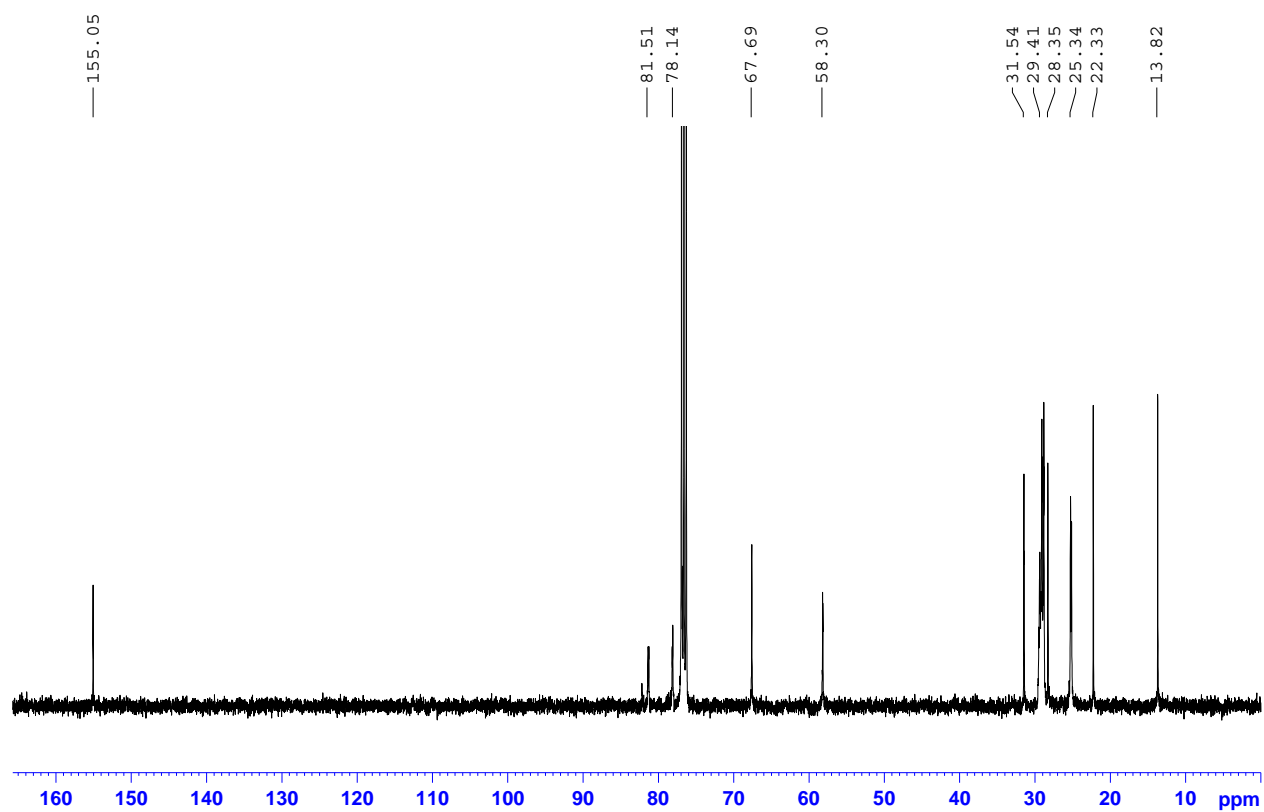


Figure S6. ^{13}C -NMR spectrum polycarbonate (PC-I) derived by self polycondensation of EHMOC

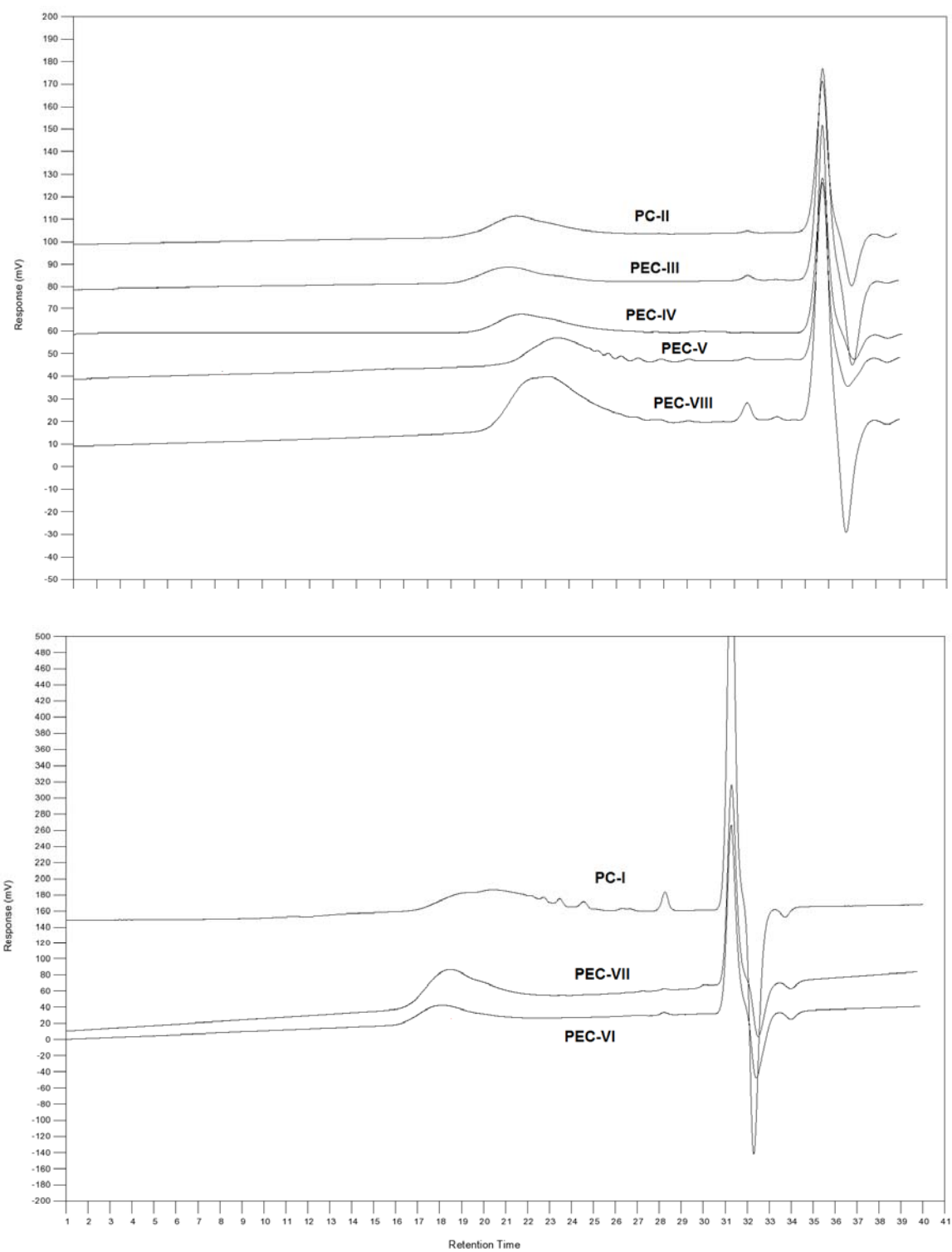


Figure S7. SEC traces of polycarbonates and poly(ester carbonate)s

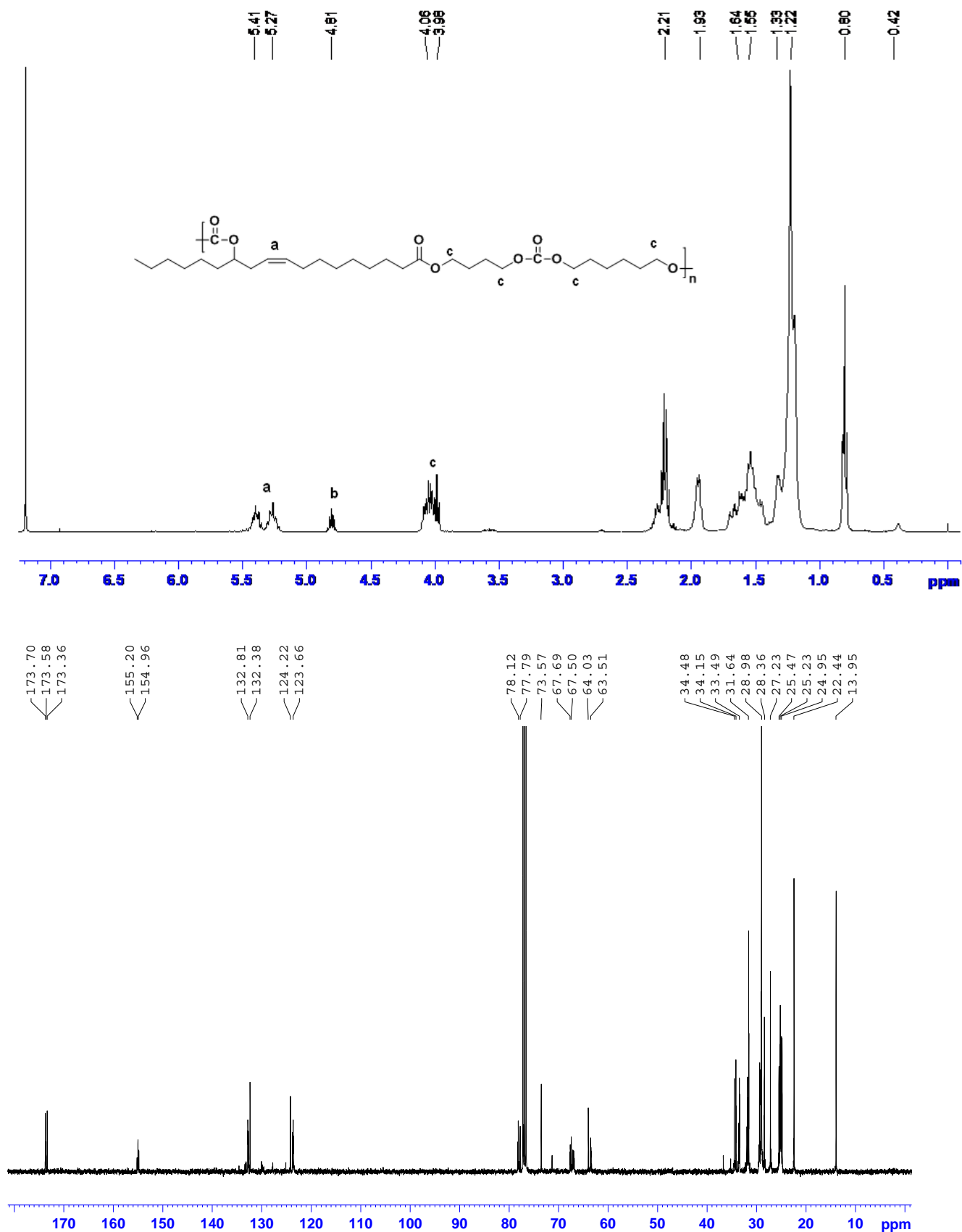


Figure S8. ^1H and ^{13}C -NMR spectra of poly(ester carbonate) (PEC-III) derived by polycondensation of EOBEOE and Hexanediol

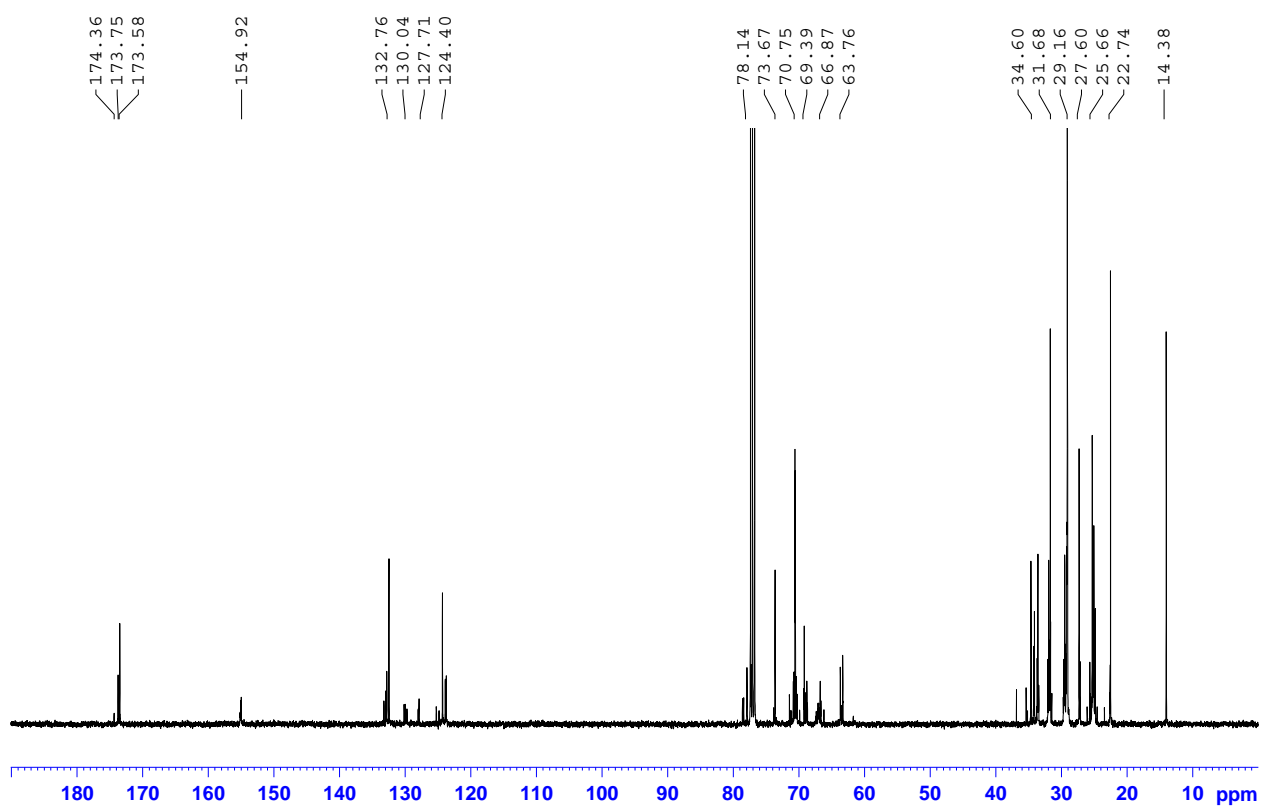


Figure S9. ^{13}C -NMR spectrum of poly(ester carbonate) (PEC-IV) derived by polycondensation of EOBEOE and PEG200

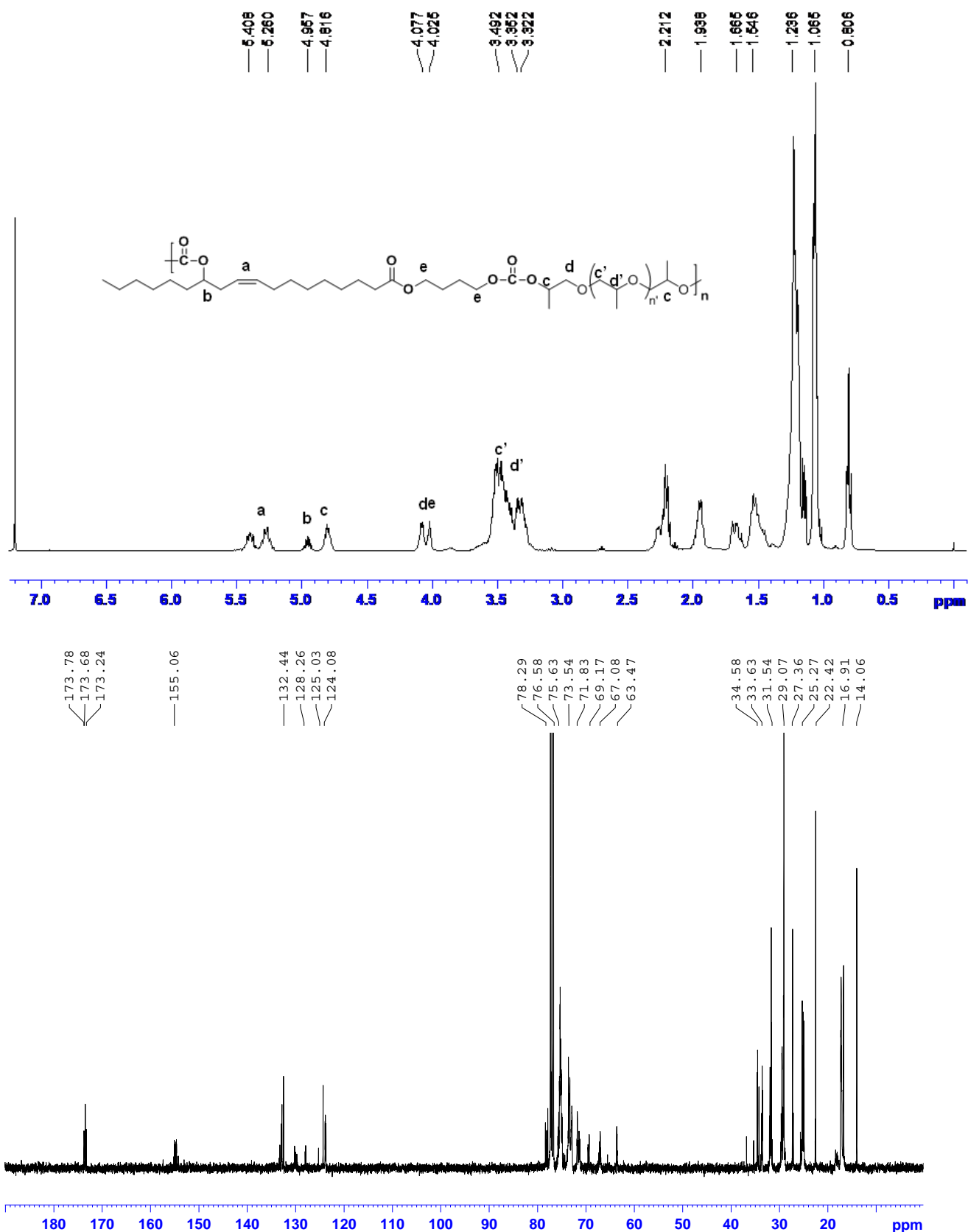


Figure S10. ^1H and ^{13}C -NMR spectra of poly(ester carbonate) (PEC-V) derived by polycondensation of EOBEOE and PPG400

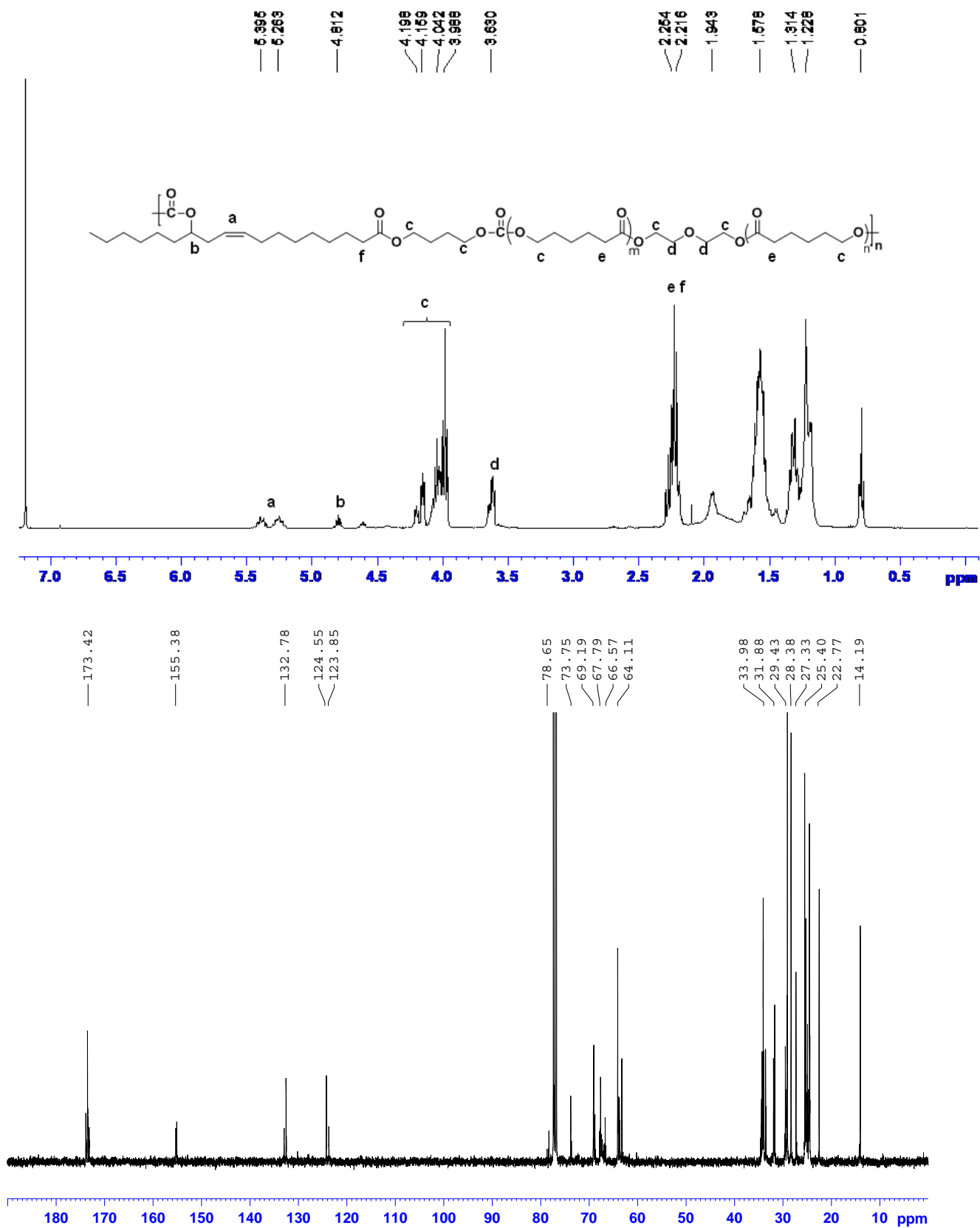


Figure S11. ^1H and ^{13}C -NMR spectra of poly(ester carbonate) (PEC-VI) derived by polycondensation of EOBEOE and PCL1250

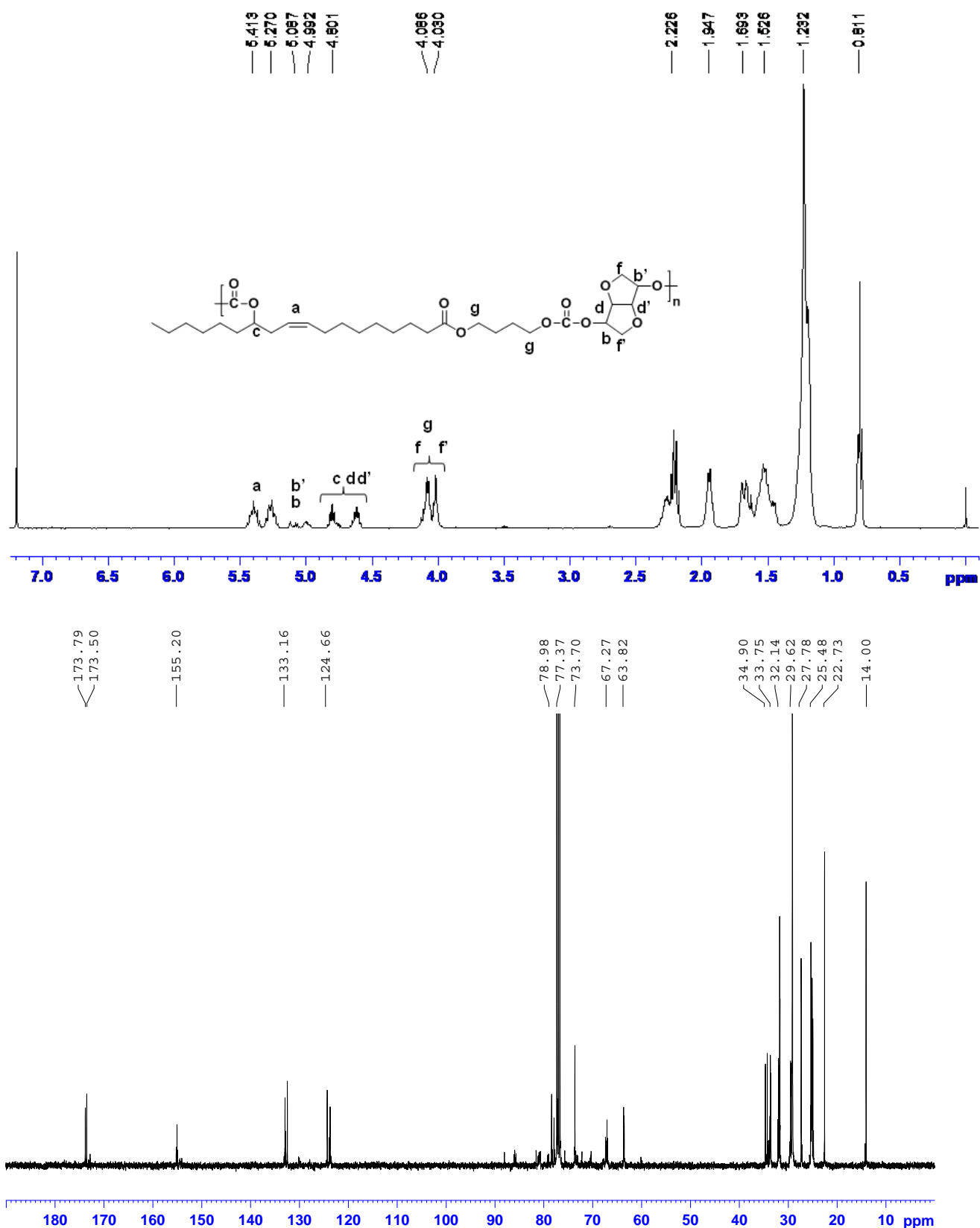


Figure S12. ^1H and ^{13}C -NMR spectra of poly(ester carbonate) (PEC-VII) derived by polycondensation of EOBEOE and Isosorbide

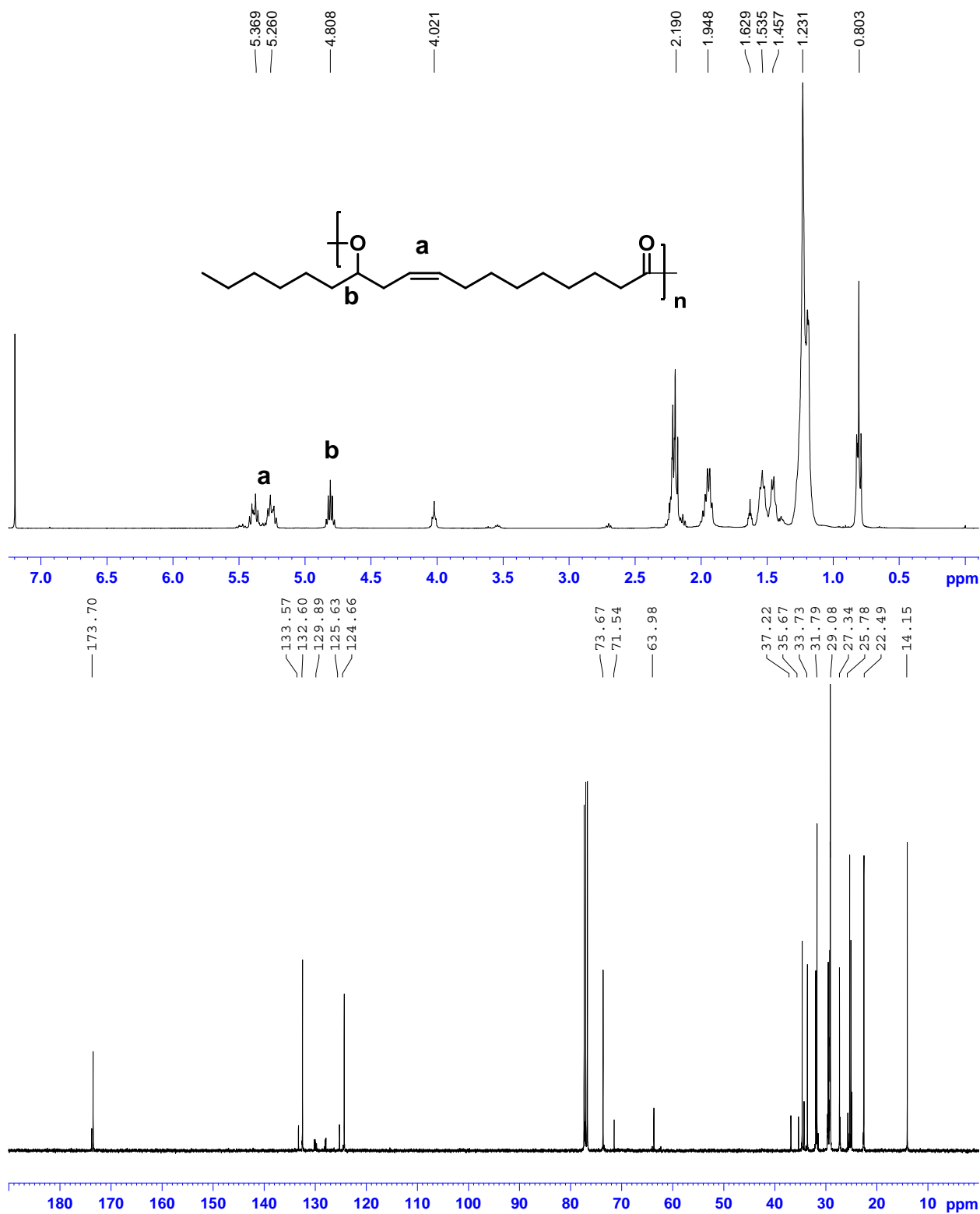


Figure S13. ^1H and ^{13}C -NMR spectra of PEC-VIII derived by polycondensation of HBHOE and DEC

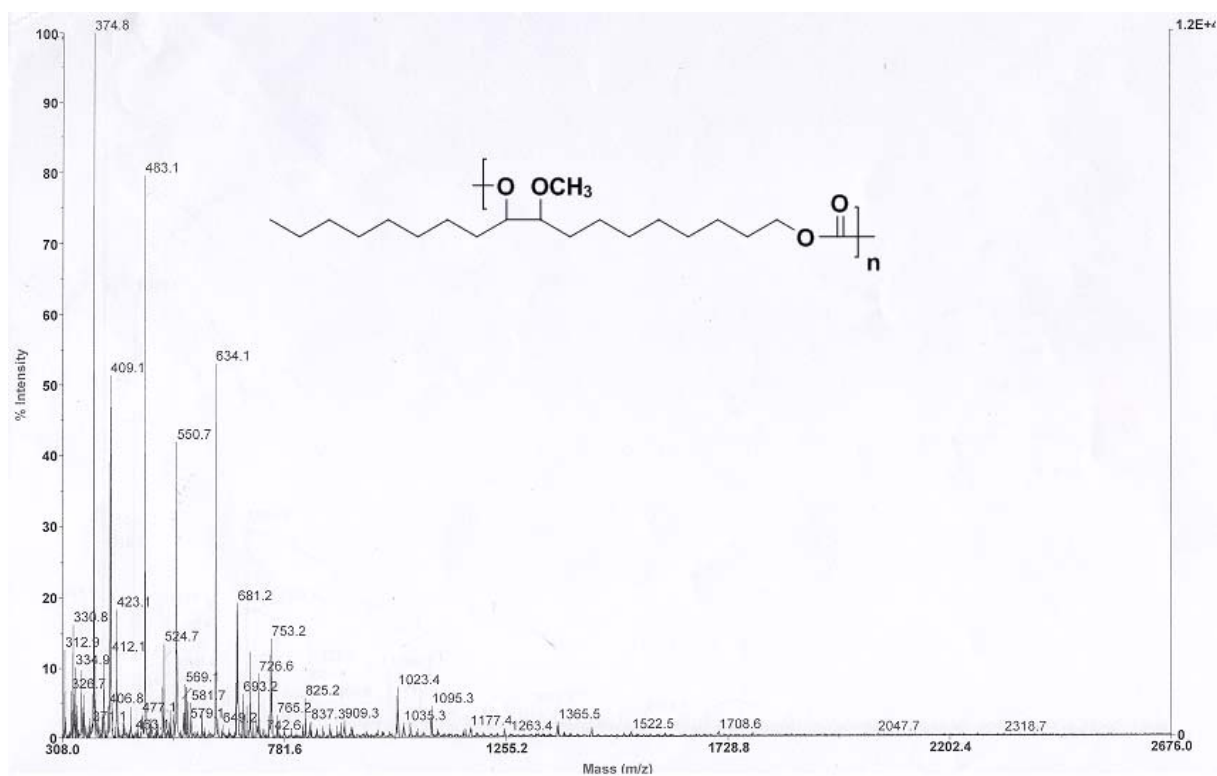


Figure S14. MALDI-TOF mass spectrum of polycarbonate (PC-I) derived by self-polycondensation of EHMOC

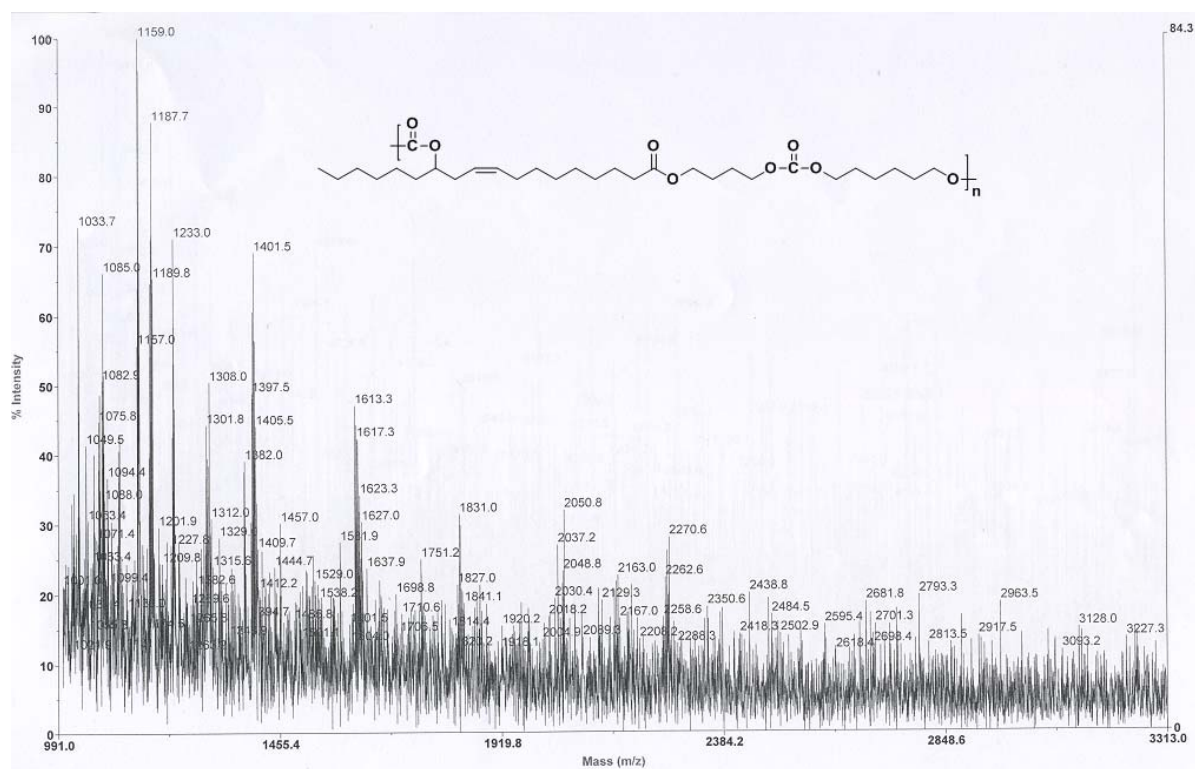


Figure S15. MALDI-TOF mass spectrum of poly(ester carbonate) (PEC-III) derived by polycondensation of EOBEOE and Hexanediol

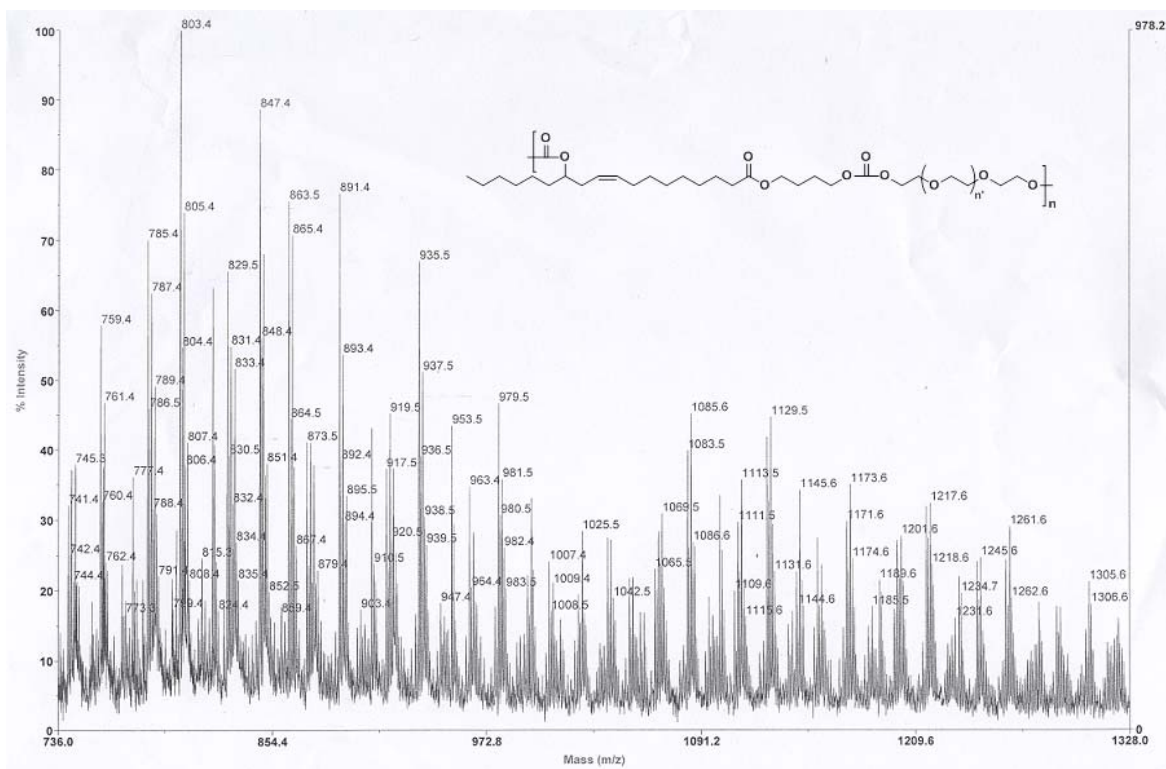


Figure S16. MALDI-TOF mass spectrum of poly(ester carbonate) (PEC-IV) derived by polycondensation of EOBE OE and PEG200

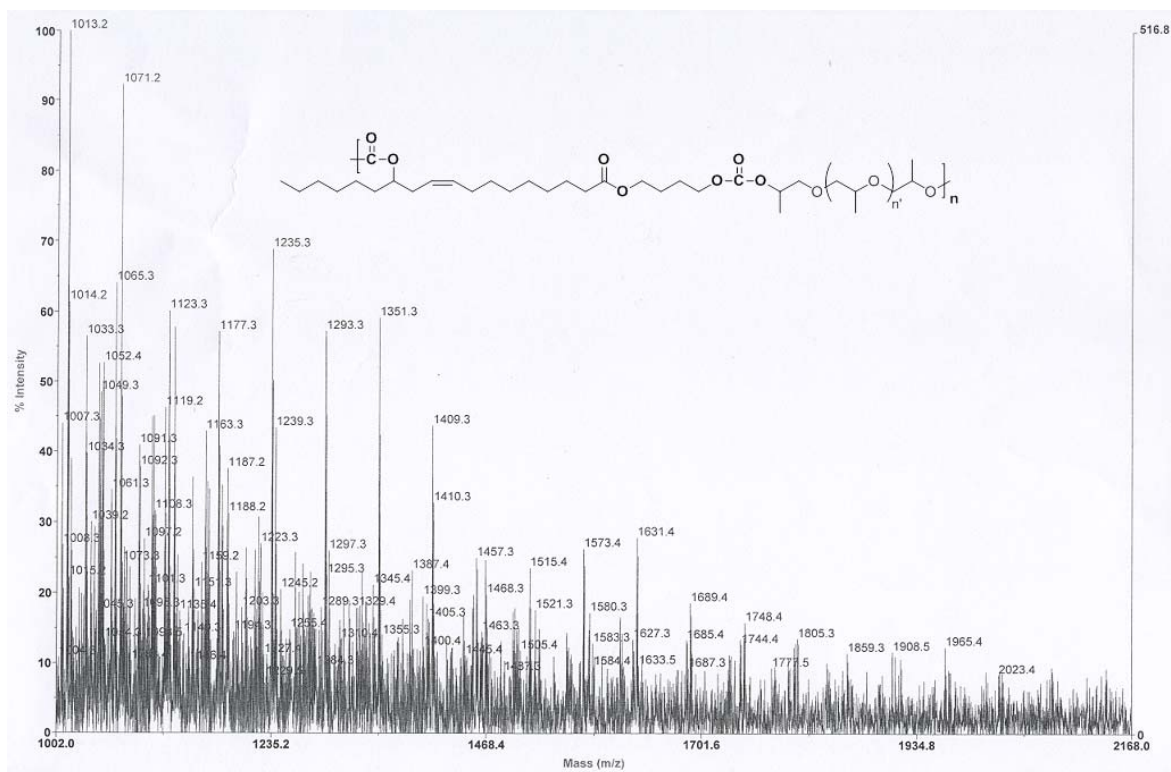


Figure S17. MALDI-TOF mass spectrum of poly(ester carbonate) (PEC-V) derived by polycondensation of EOBE OE and PPG400

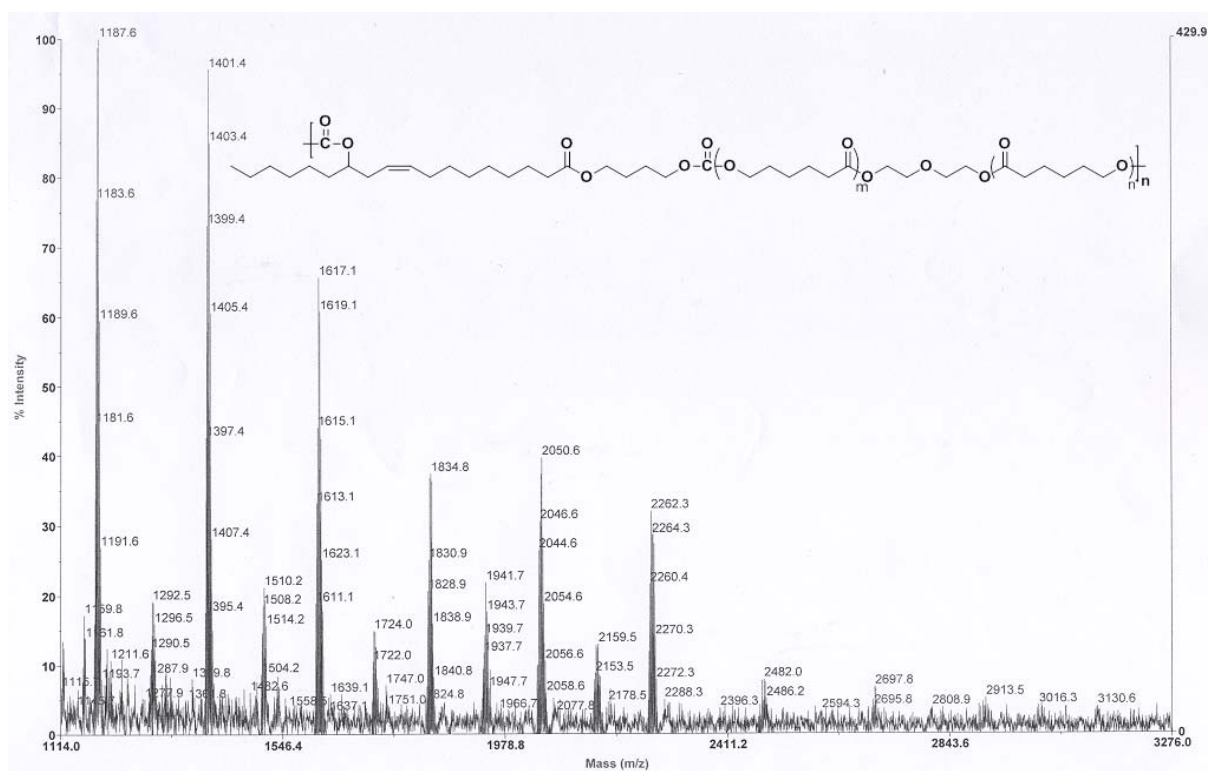


Figure S18. MALDI-TOF mass spectrum of poly(ester carbonate) (PEC-VI) derived by polycondensation of EOBE OE and PCL1250

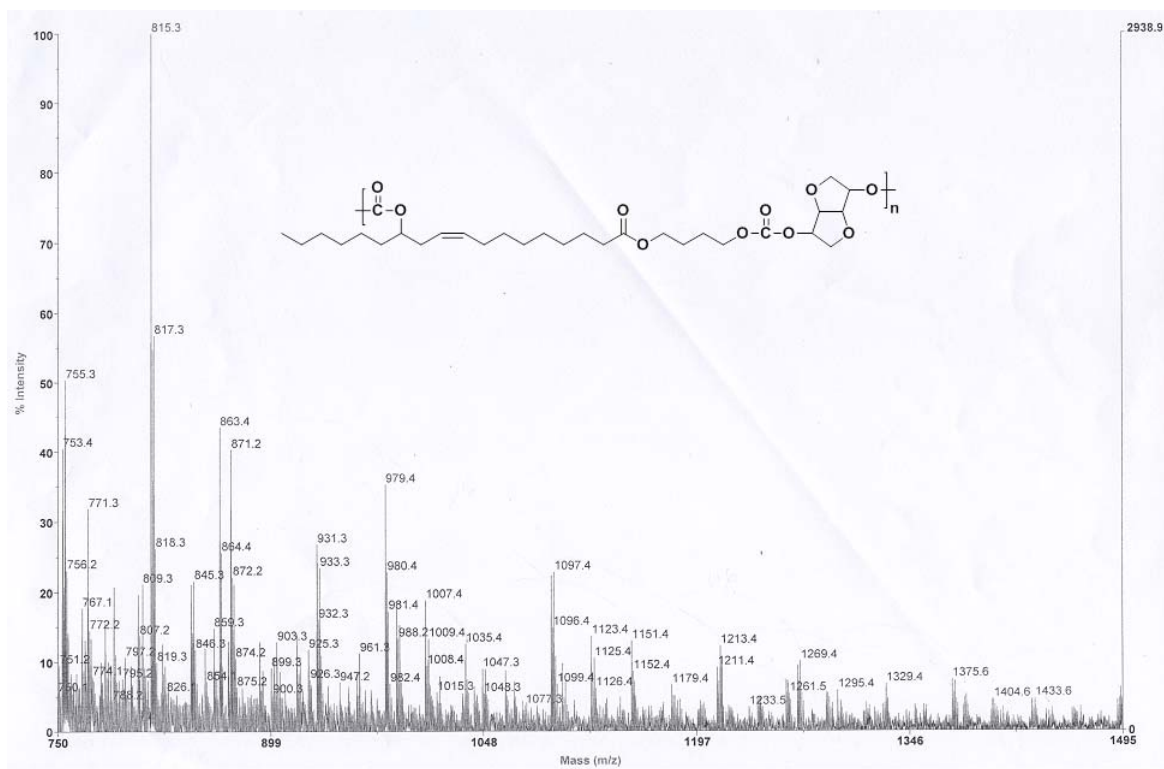


Figure S19. MALDI-TOF mass spectrum of poly(ester carbonate) (PEC-VII) derived by polycondensation of EOBEOE and Isosorbide

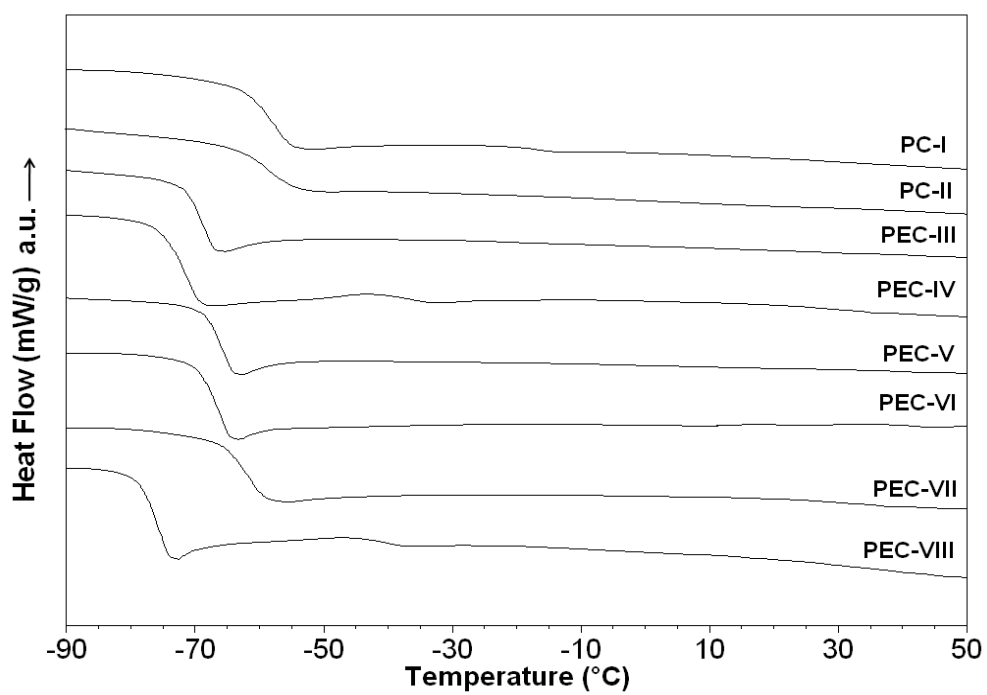


Figure S20. DSC curves of polycarbonates and poly(ester carbonate)s derived from EHMOC and EOBEOE, respectively

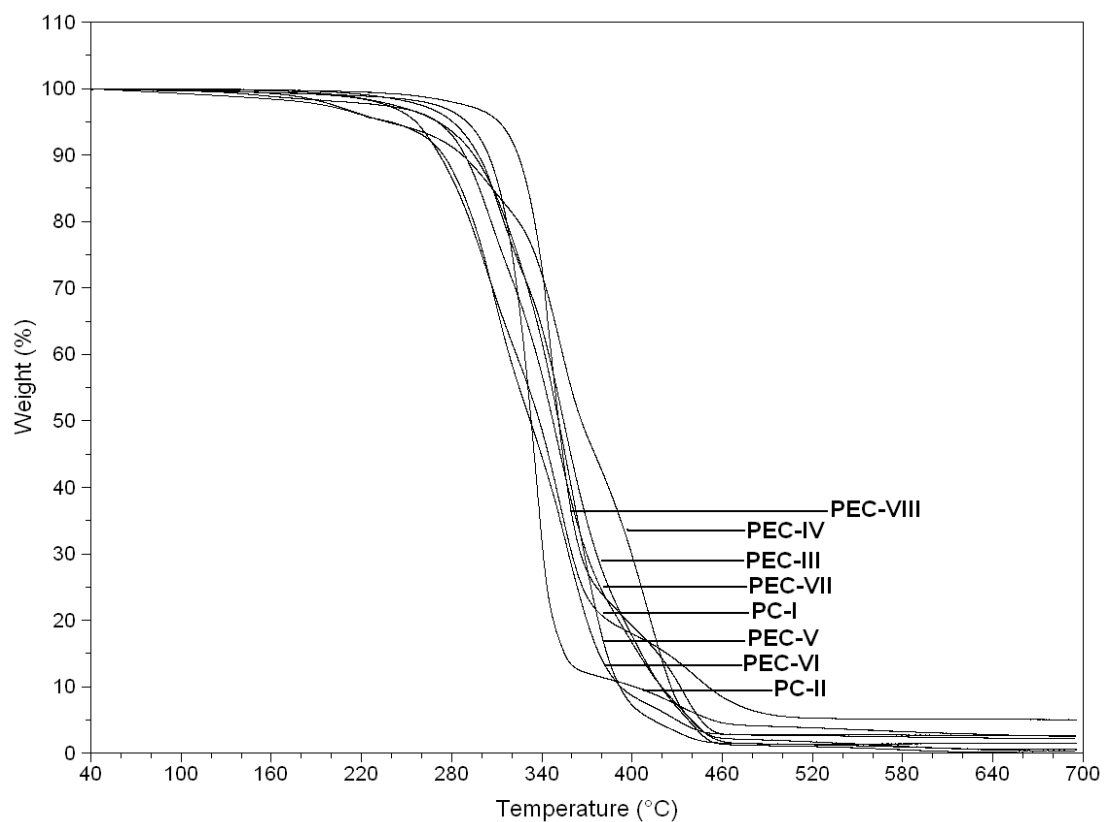


Figure S21. TGA curves of polycarbonates and poly(ester carbonate)s derived from EHMOC and EOBEOE, respectively