

Supporting information

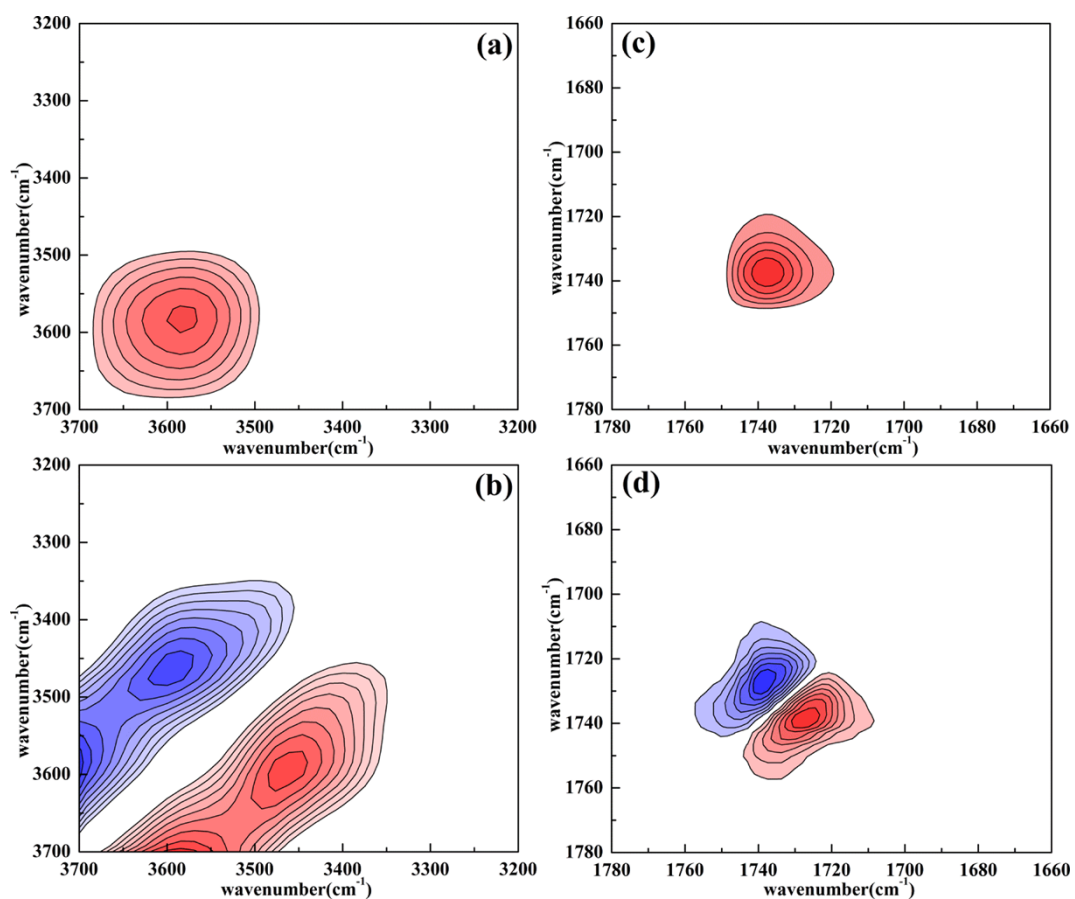


Figure 1-S. 2D IR correlation spectra of PVAO-6.25 phr obtained from 20 to 120 °C: (a) synchronous map of 3700-3200 cm⁻¹, (b) asynchronous map of 3700-3200 cm⁻¹, (c) synchronous map of 1780-1660 cm⁻¹ and (d) asynchronous map of 1780-1660 cm⁻¹.

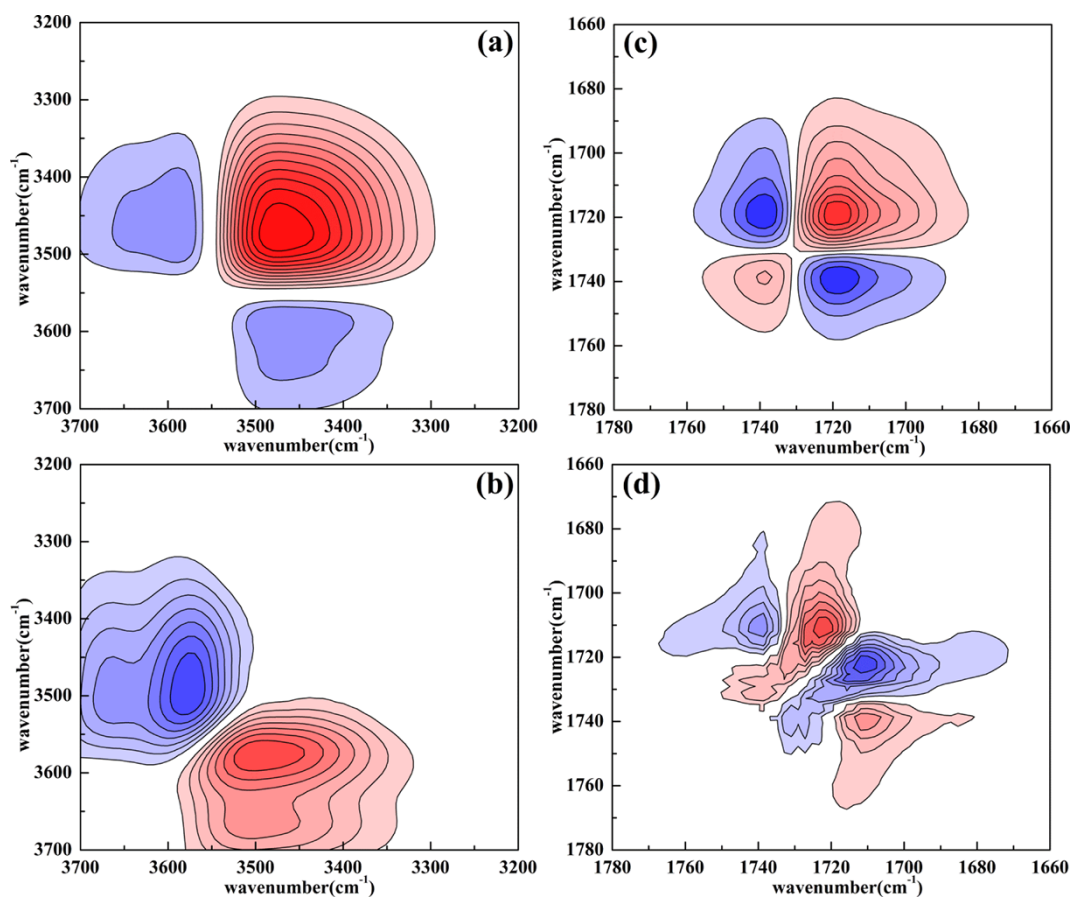


Figure 2-S. 2D IR correlation spectra of PVAO-50 phr obtained from 20 to 120 °C: (a) synchronous map of 3700-3200 cm^{-1} , (b) asynchronous map of 3700-3200 cm^{-1} , (c) synchronous map of 1780-1660 cm^{-1} and (d) asynchronous map of 1780-1660 cm^{-1} .

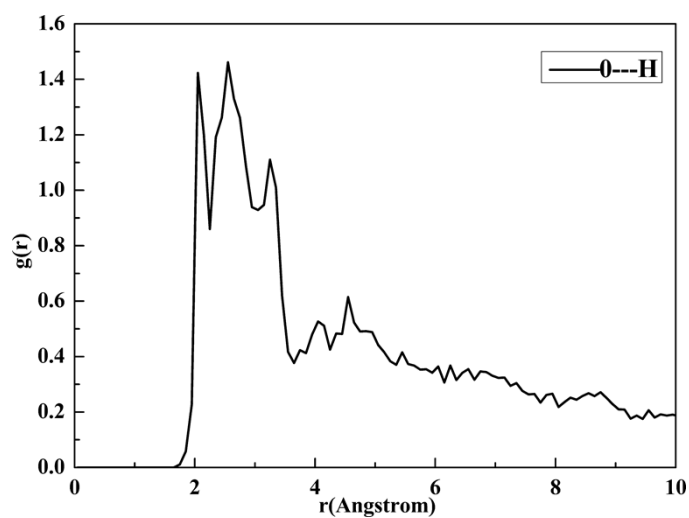


Figure 3-S. Pair correlation function for H (AO-70) and O (PVAc, AO-70) in

PVAO-25 phr.