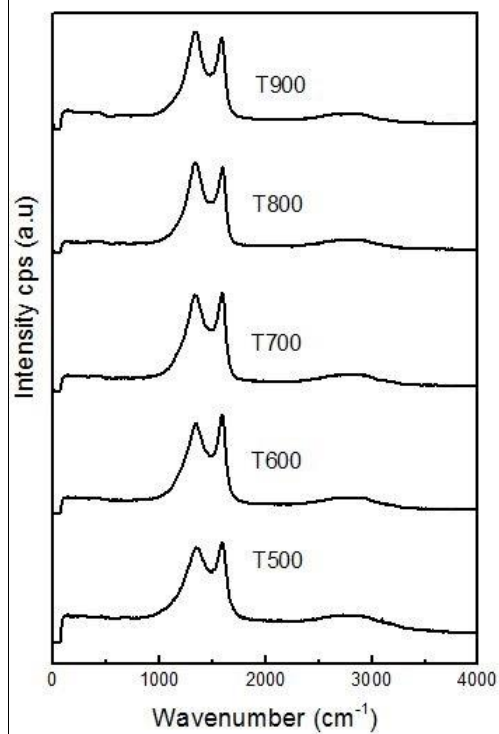
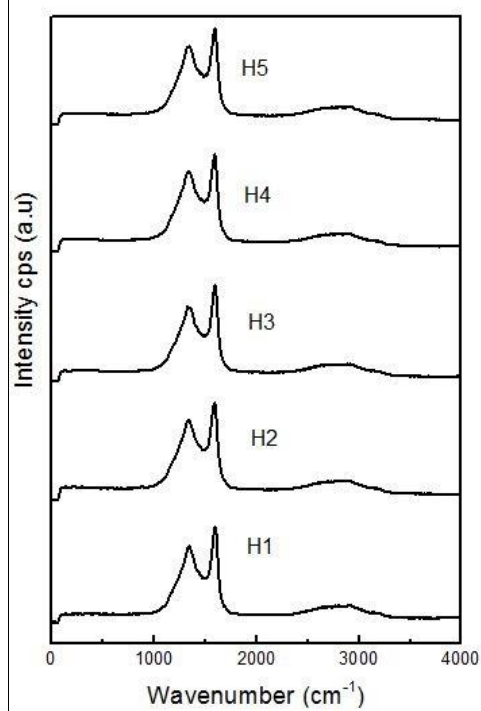


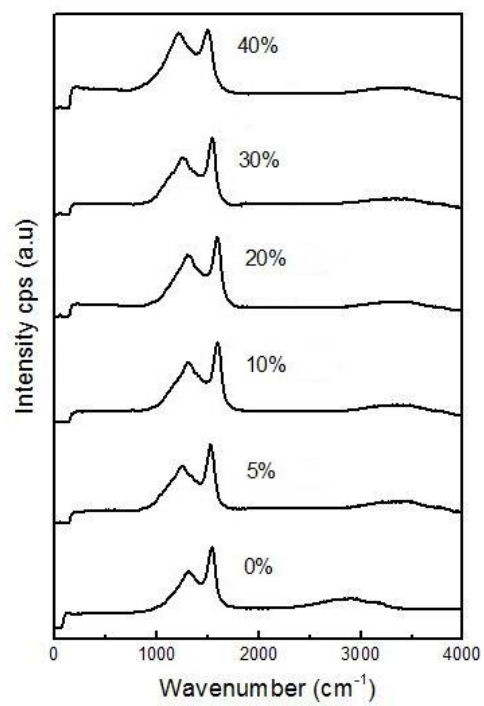
## Supporting Information



(a)



(b)



(c)

Fig.1 Raman spectra of PKSAC prepared using three different parameters (a) carbonization temperature, (b) carbonization holding time and (c) concentration of  $\text{H}_3\text{PO}_4$ .

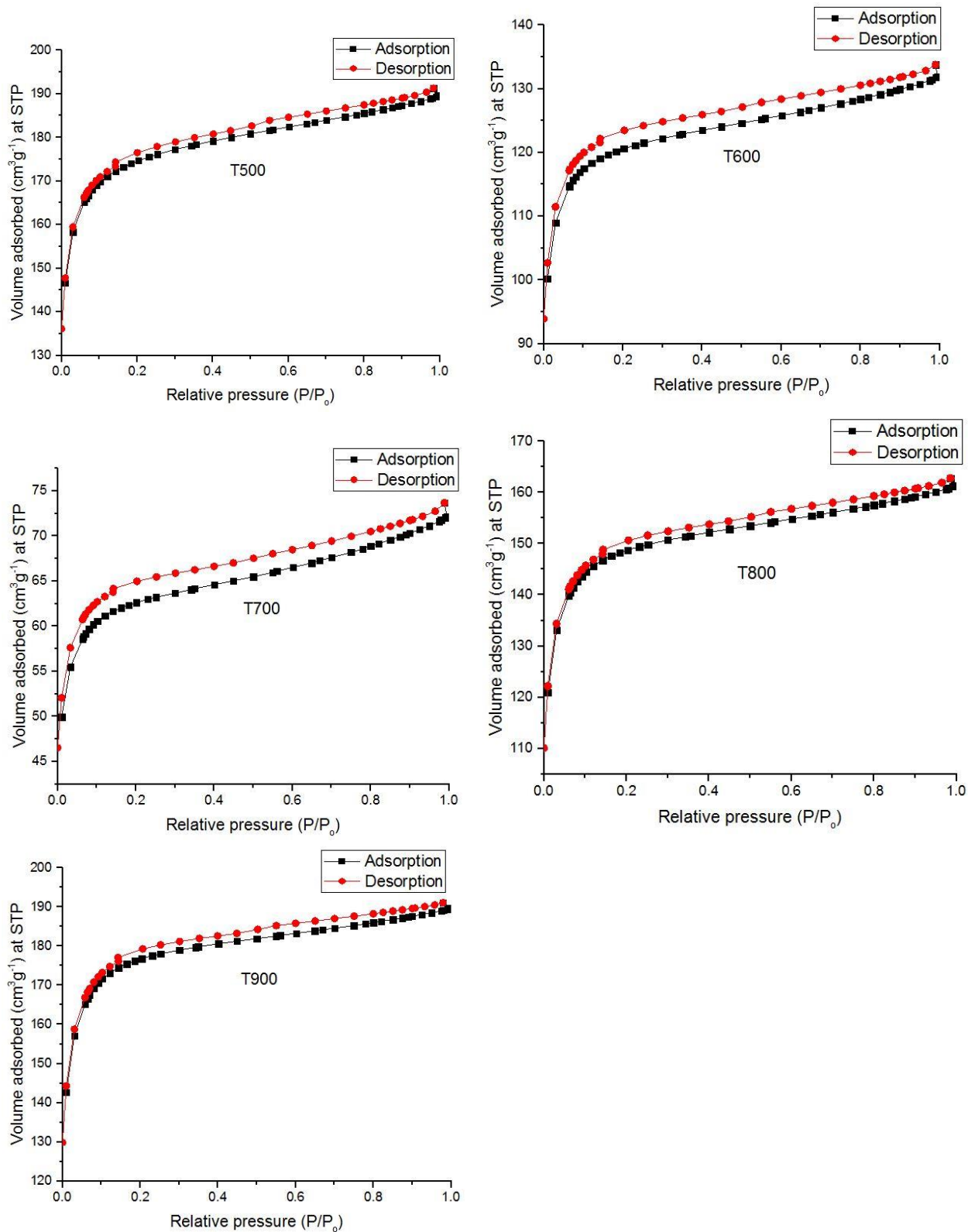


Fig.2a Adsorption-desorption isotherms of activated carbons prepared at various activation temperatures ( $^{\circ}\text{C}$ ) as indicated by the last 3 digits of the sample's name.

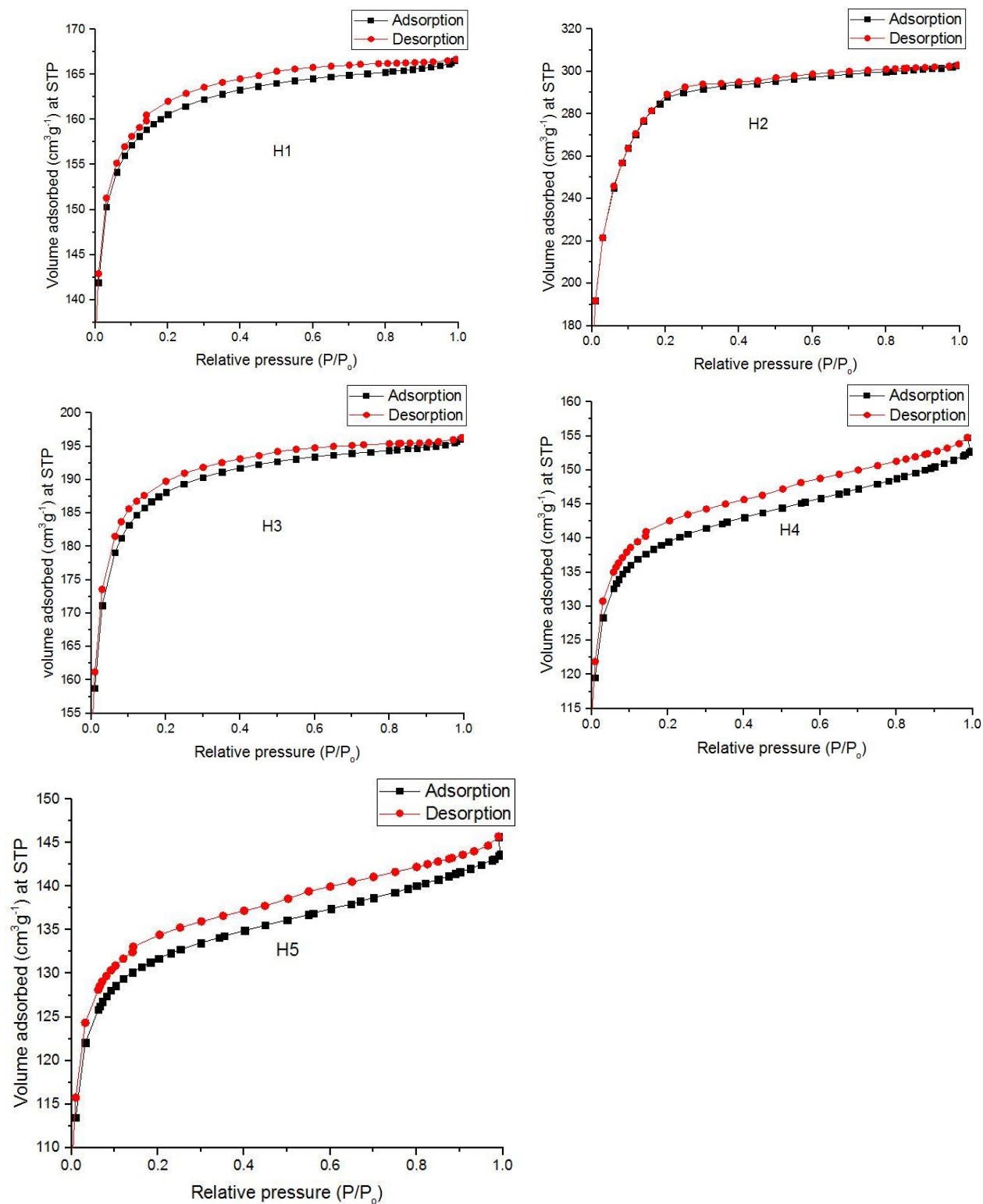


Fig.2b Adsorption-desorption isotherms of activated carbon prepared at various carbonisation holding times (h) as indicated by the last digit of the sample's name.

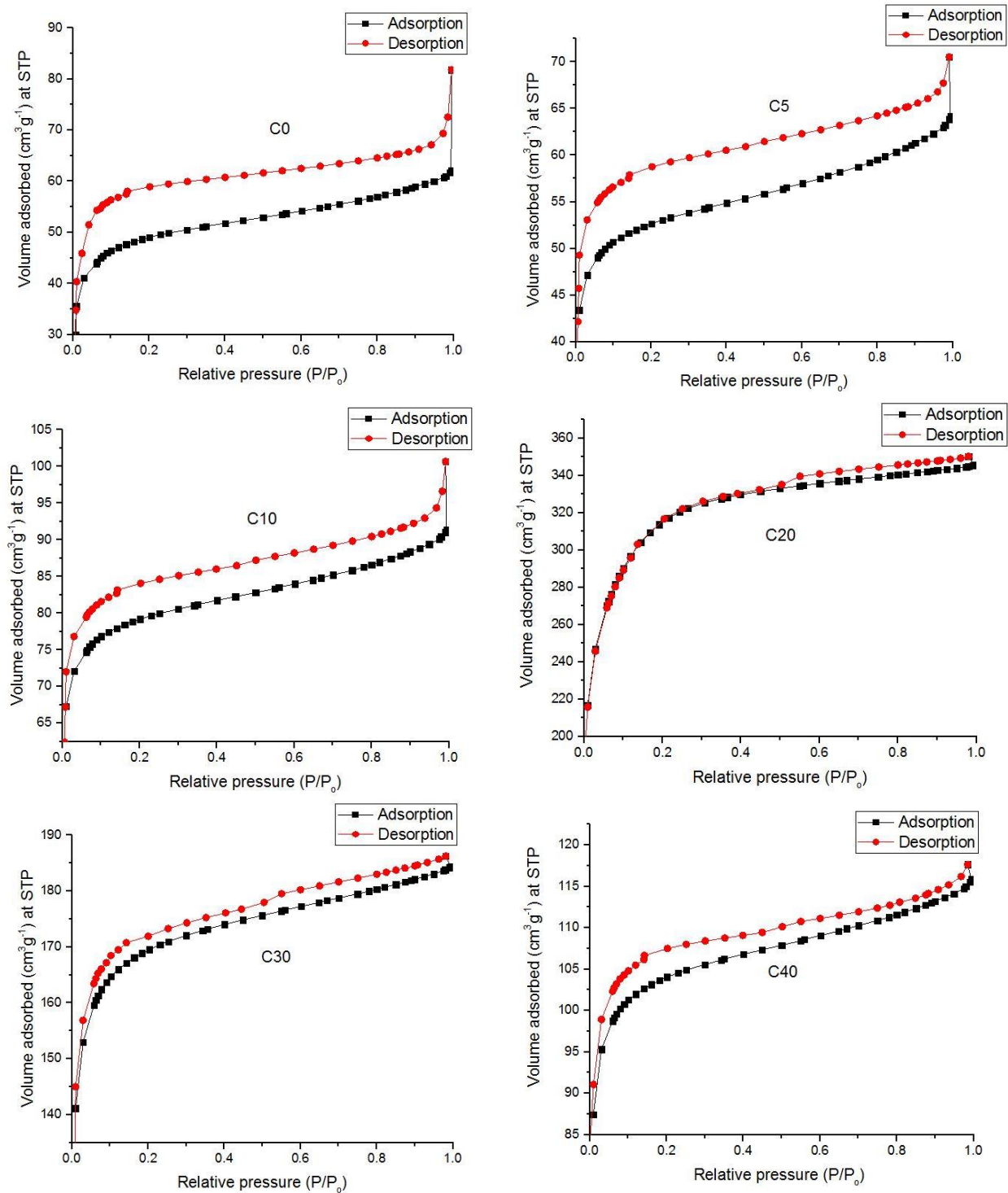


Fig.2c Adsorption-desorption isotherm of activated carbons prepared using various concentrations of  $\text{H}_3\text{PO}_4$  (%) as indicated by the last 2 digits of the sample's name.