

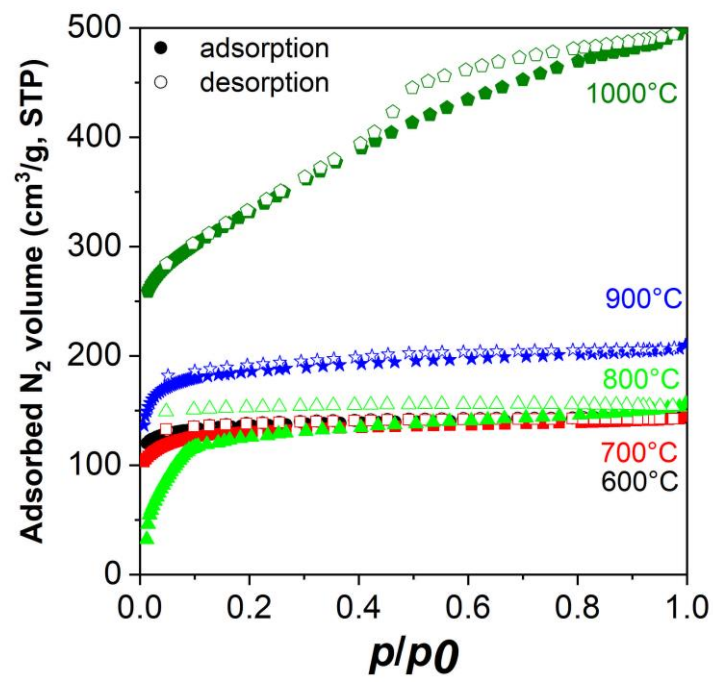
Supplementary material

Qualitative and quantitative chemometric modelling of nanostructured carbon samples based on infrared spectroscopy

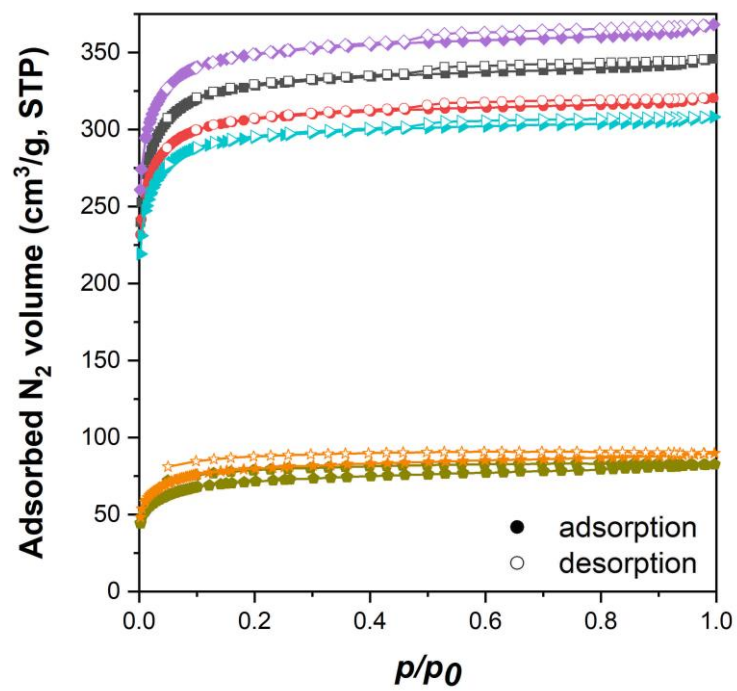
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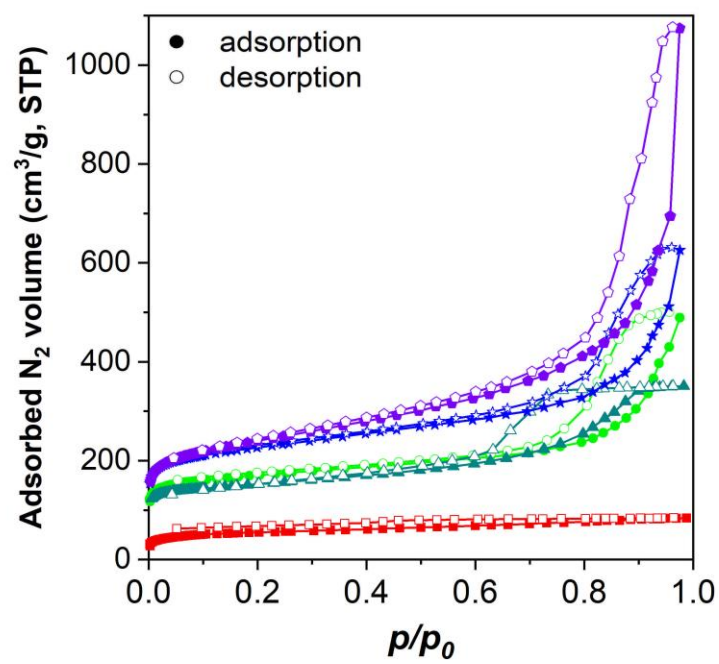
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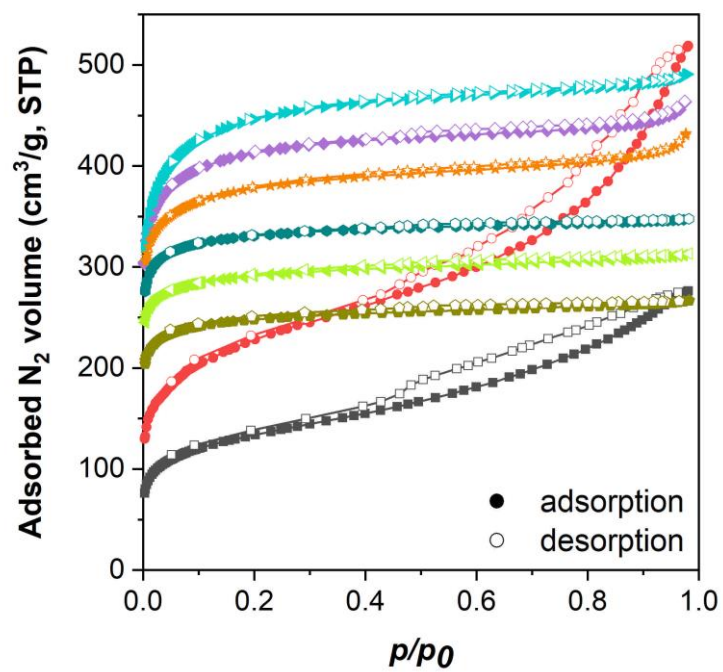
(a)



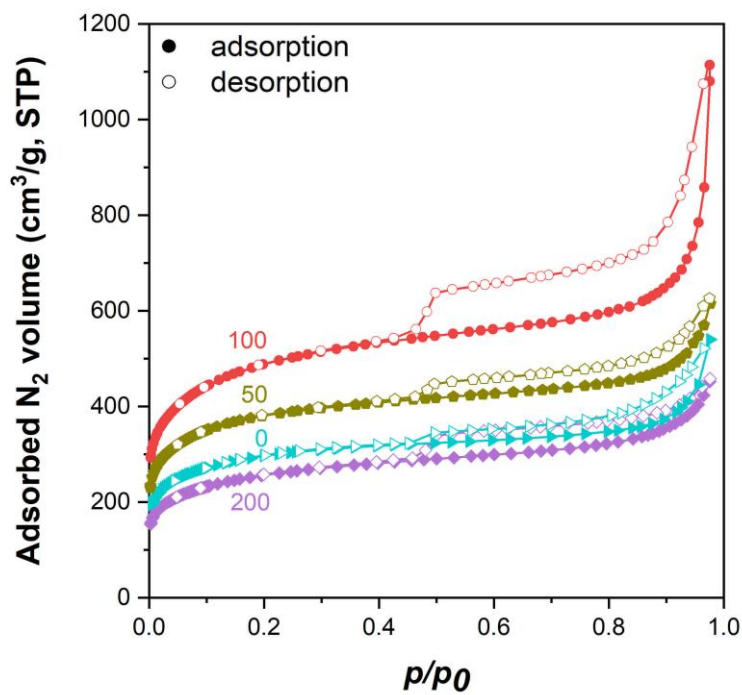
(b)



(c)



(d)



(e)

Figure S1 Low temperature nitrogen adsorption isotherms of selected carbon samples of various origin. They cover a wide variety of isotherm characteristics. (a) Wood based carbon cubes, treated at various temperature; (b) PET based porous carbons; (c) REF aerogel based carbon samples synthesized in different solvents; (d) spent coffee grounds based carbons activated in various ways; (e) carrageenan – urea based carbon cryogels doped with various amount of carbon nanoparticle.

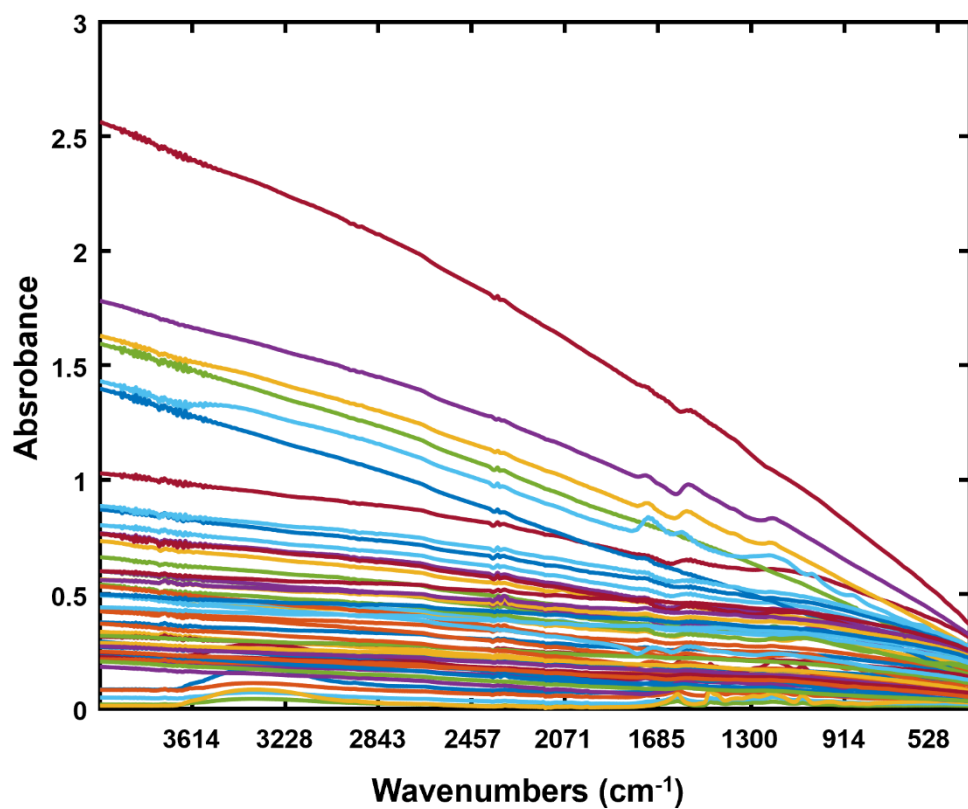
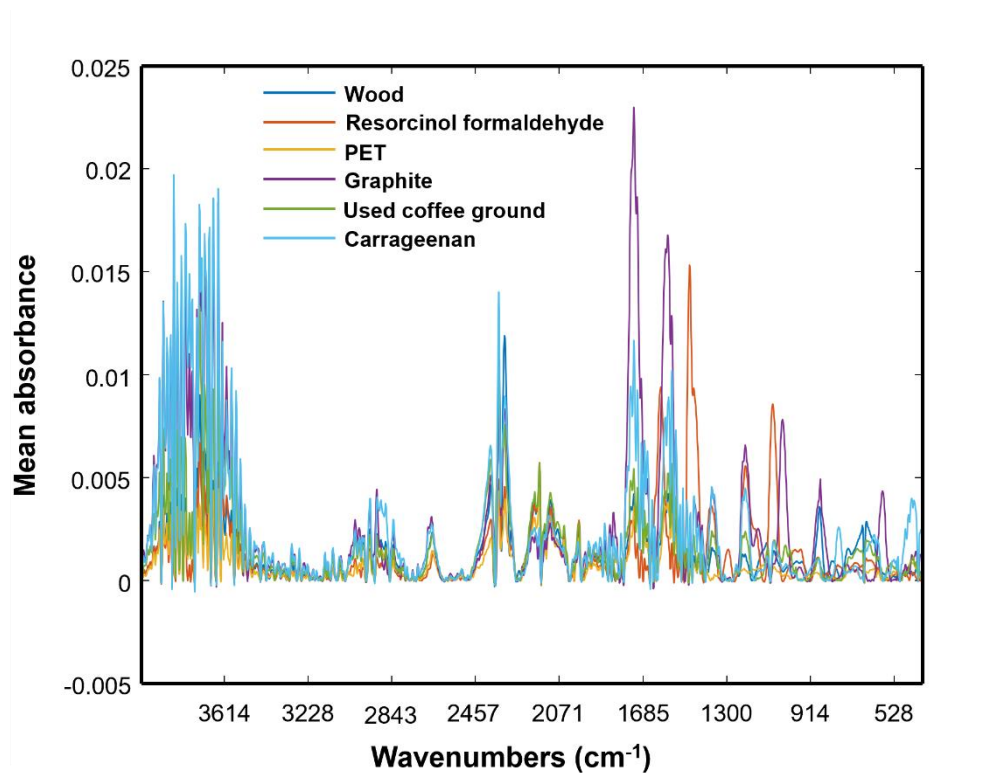
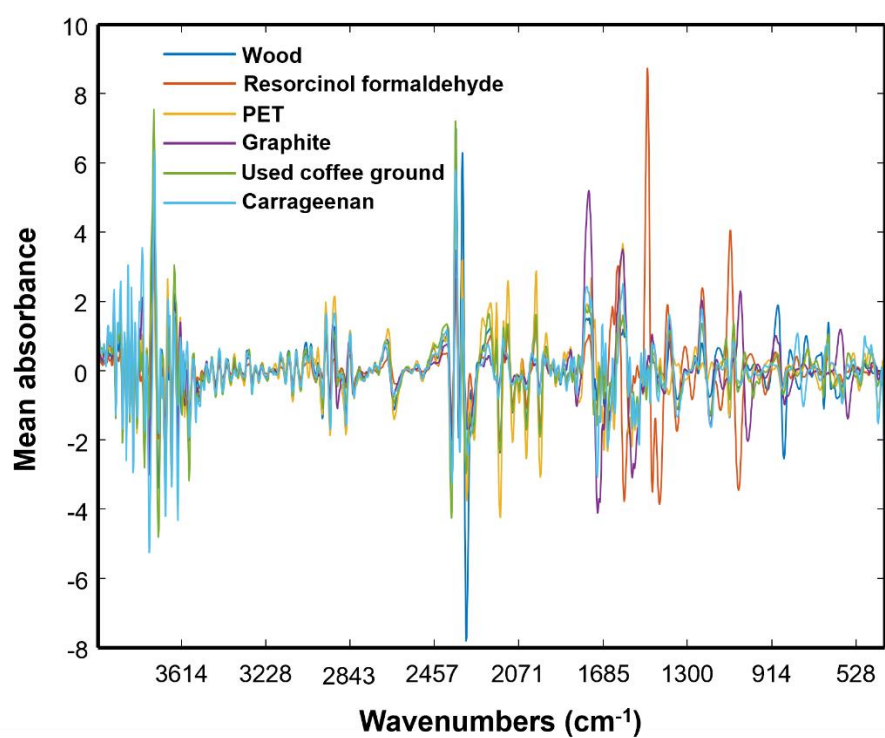


Figure S2. Raw spectra without any pre-scaling. The three parallel measurements of each sample were averaged.



(a)



(b)

Figure S3. Baseline corrected (a) and derivative (b) mean spectra of the sample groups.