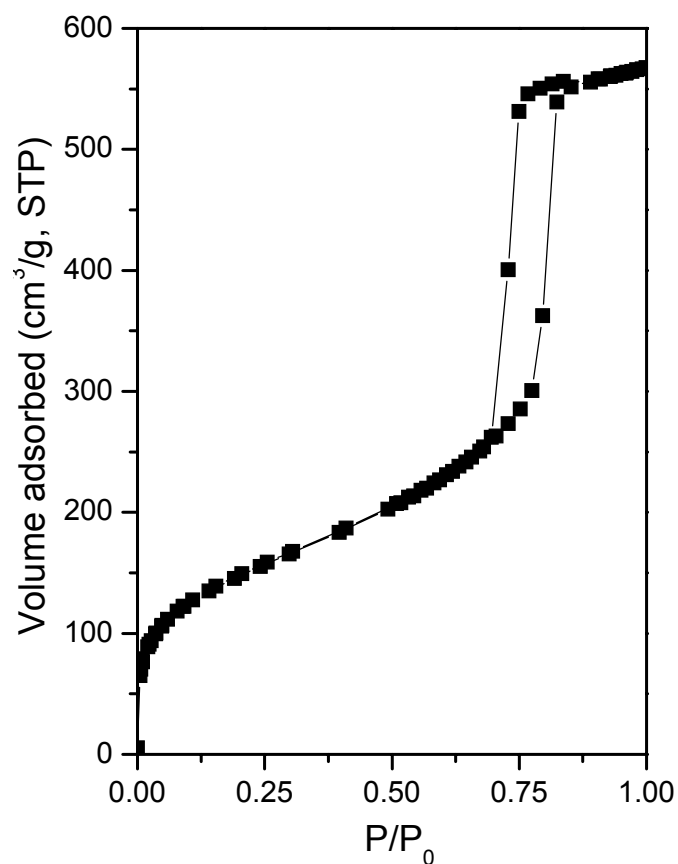
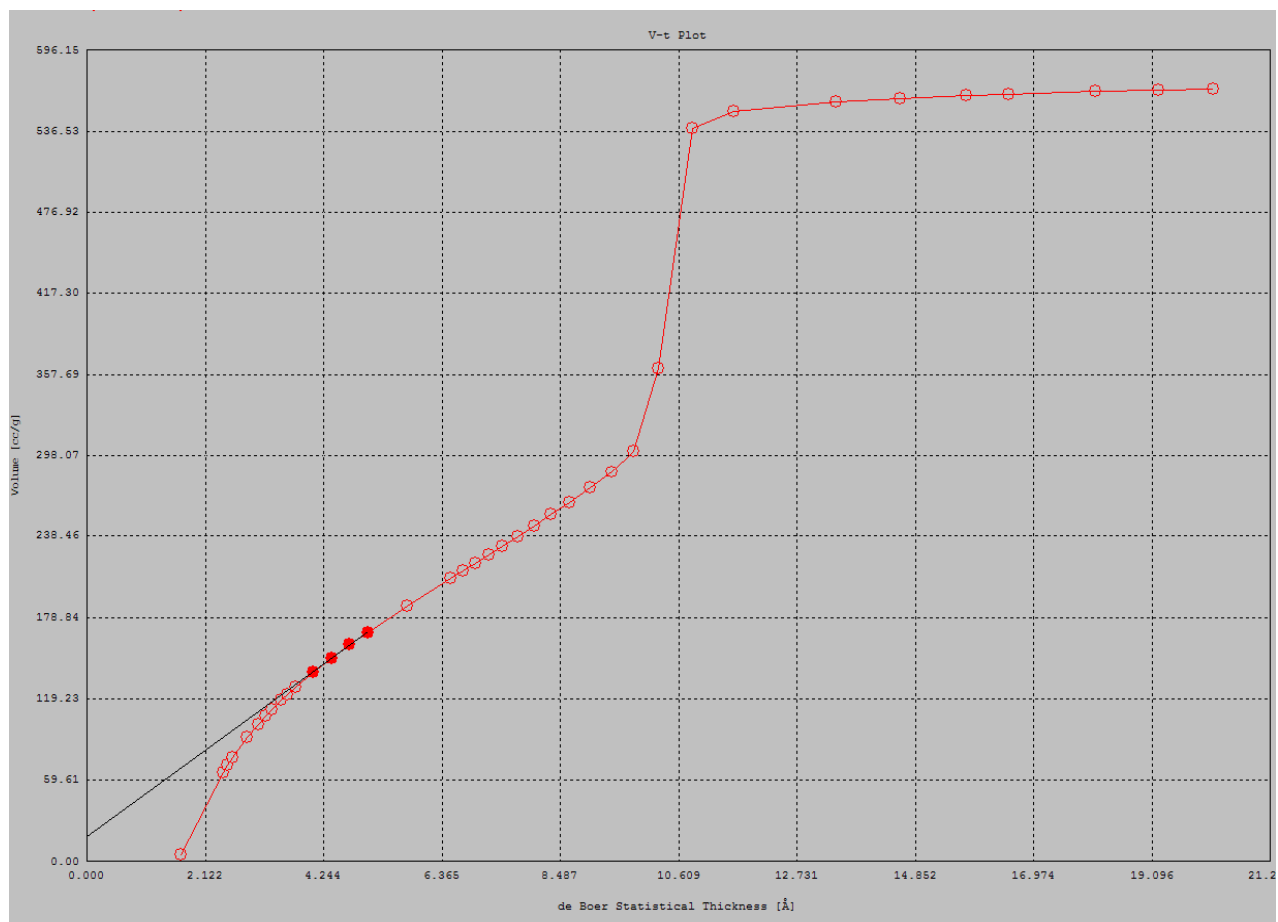


Supplementary Information, Figure S1

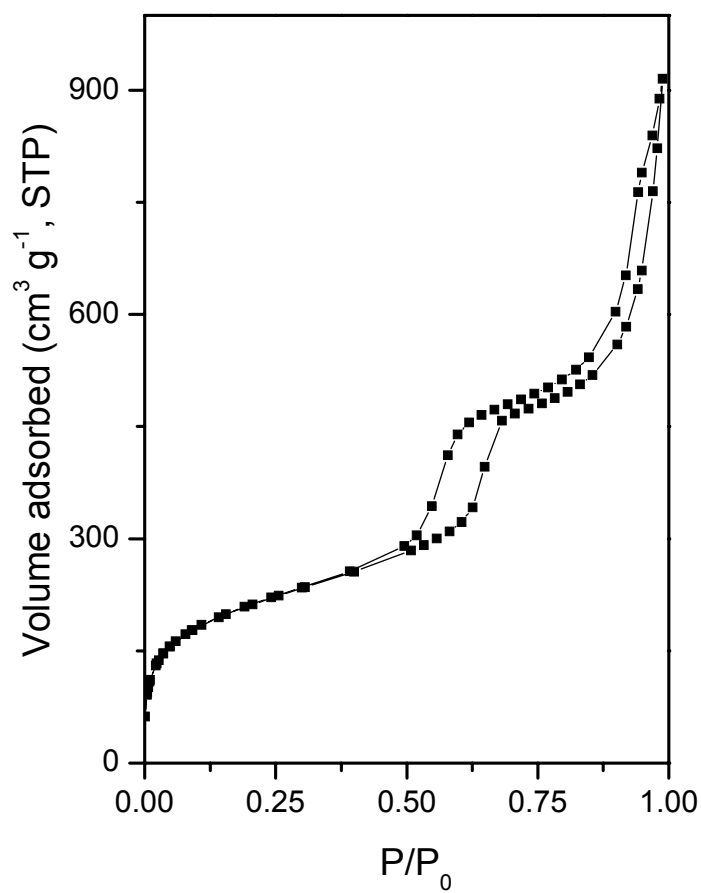
Nitrogen adsorption isotherm of SBA-15-COOH



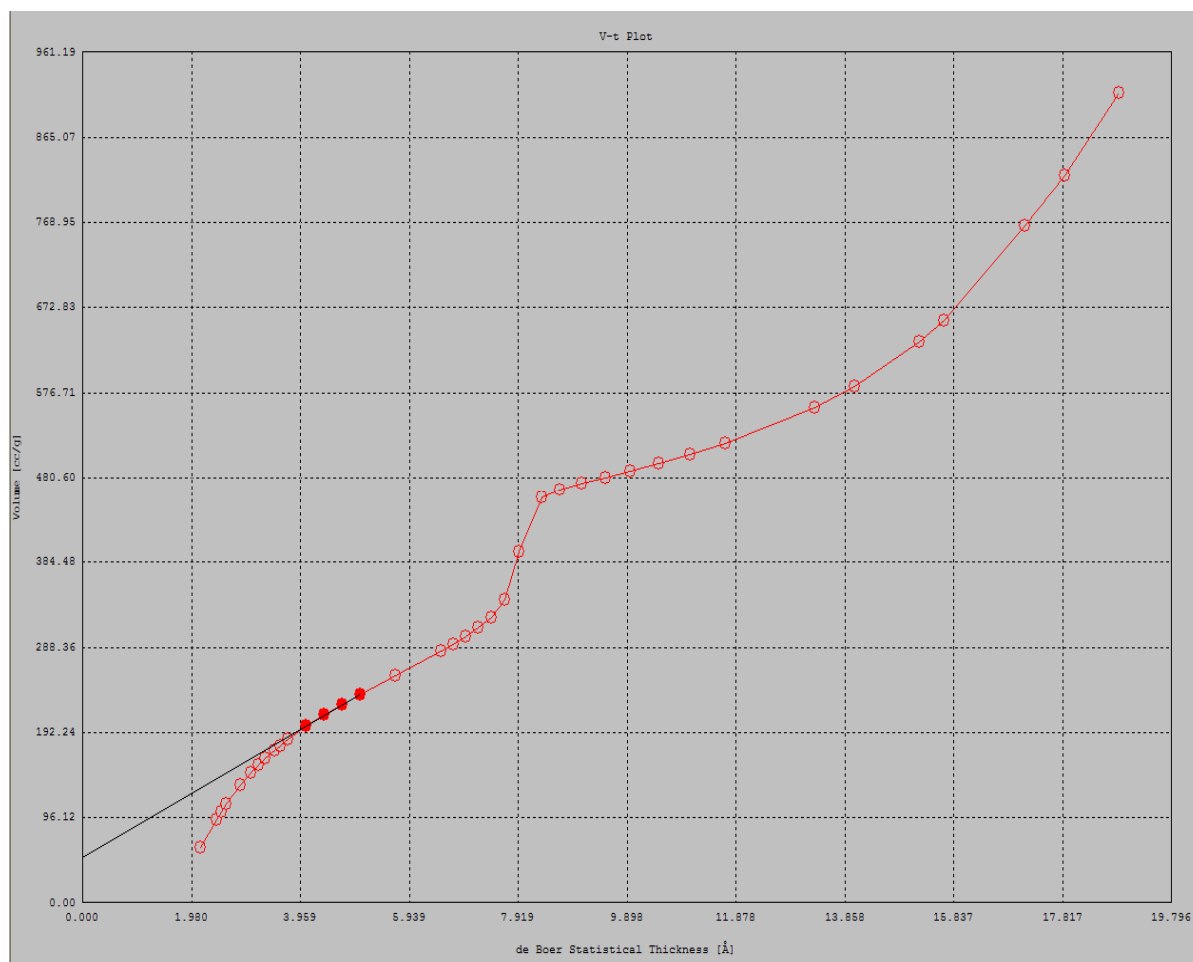
t-plot of SBA-15-COOH (Micropore volume = 0.028 cm³/g)



Nitrogen adsorption isotherm of Et-PMO-COOH



t-plot of SBA-15-COOH (Micropore volume = 0.057 cm³/g)

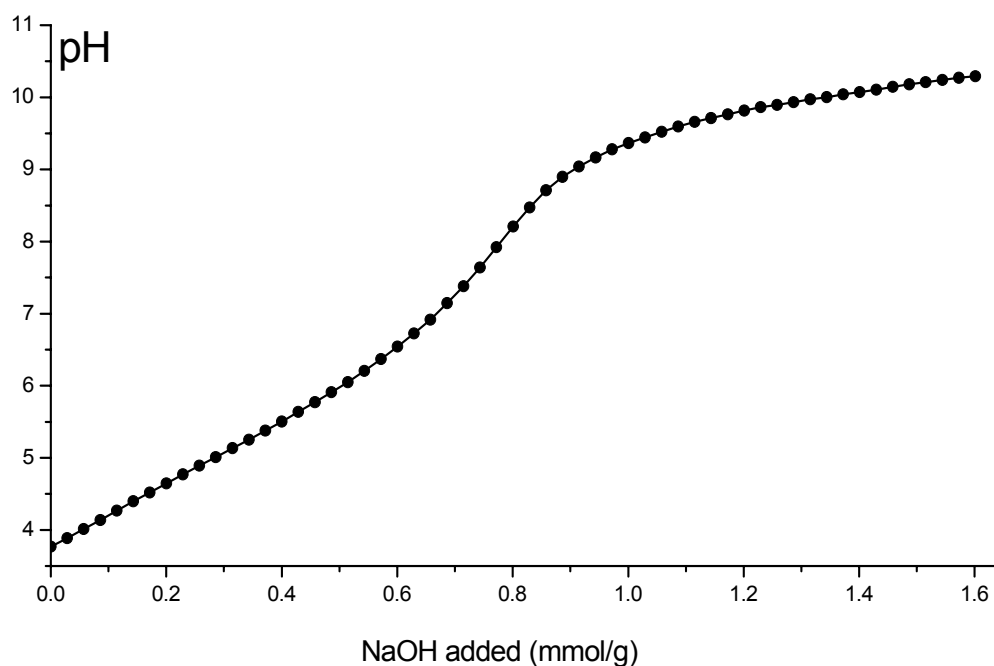


Supplementary Information, Figure S2.

Titration analysis

SBA-15-COOH and Et-PMO-COOH acidity capacity of anchored carboxylic groups were evaluated by a pH-metric titration of the sample against a 0.05 M NaOH solution (previously standardised by titration with potassium hydrogenphthalate) in presence of 1M NaCl. The first derivative curve was used for computation of the acidity capacity.

Acid-base titration (NaOH) of SBA-15-COOH in the presence of NaCl 1M



Acid-base titration (NaOH) of Et-PMO-COOH in the presence of NaCl 1M

