Supplementary Material (ESI) for New Journal of Chemistry

Supporting Information belonging to the paper

Influence of cationic phosphorus dendrimers on the surfactant-induced synthesis of mesostructured nanoporous silica

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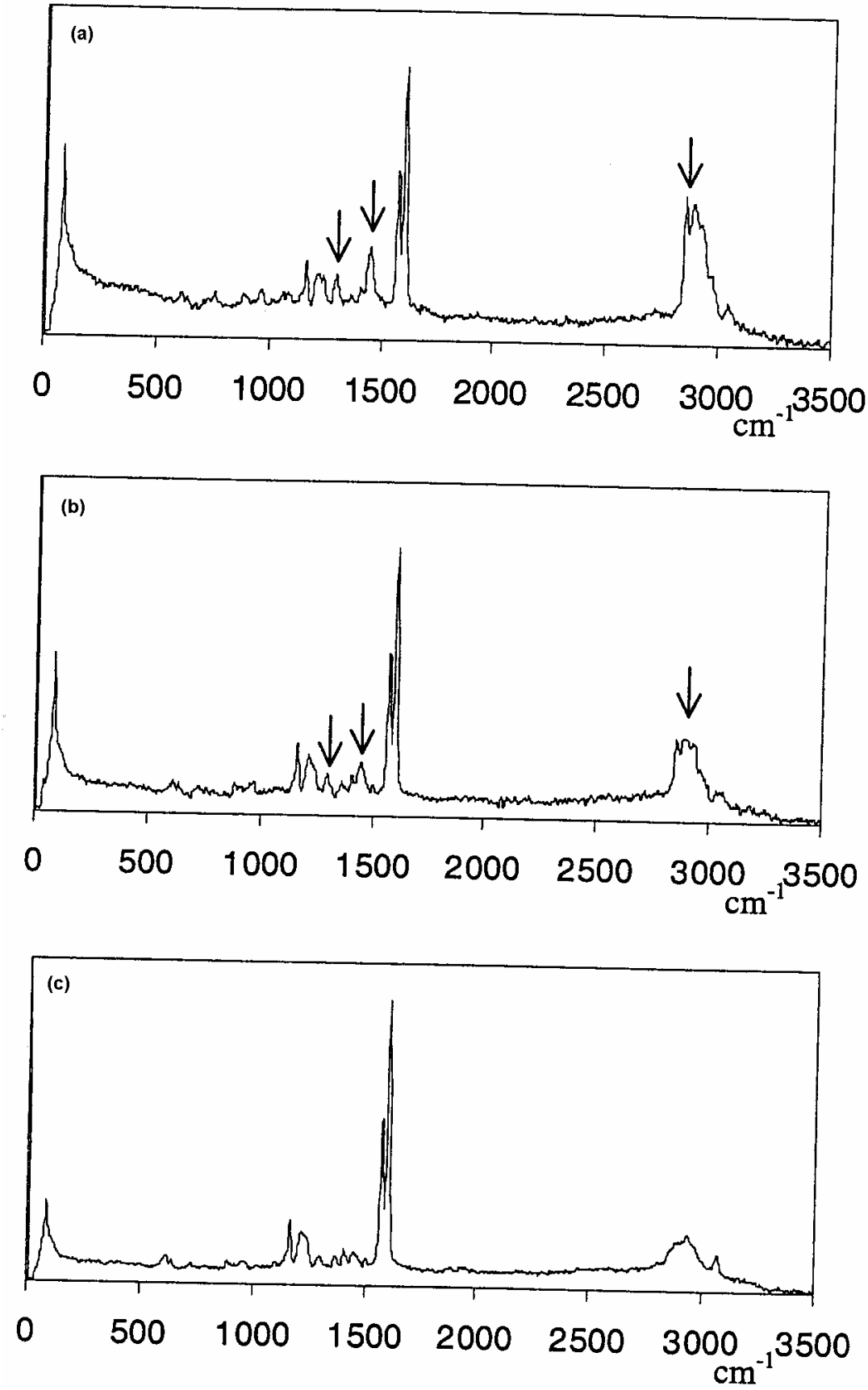
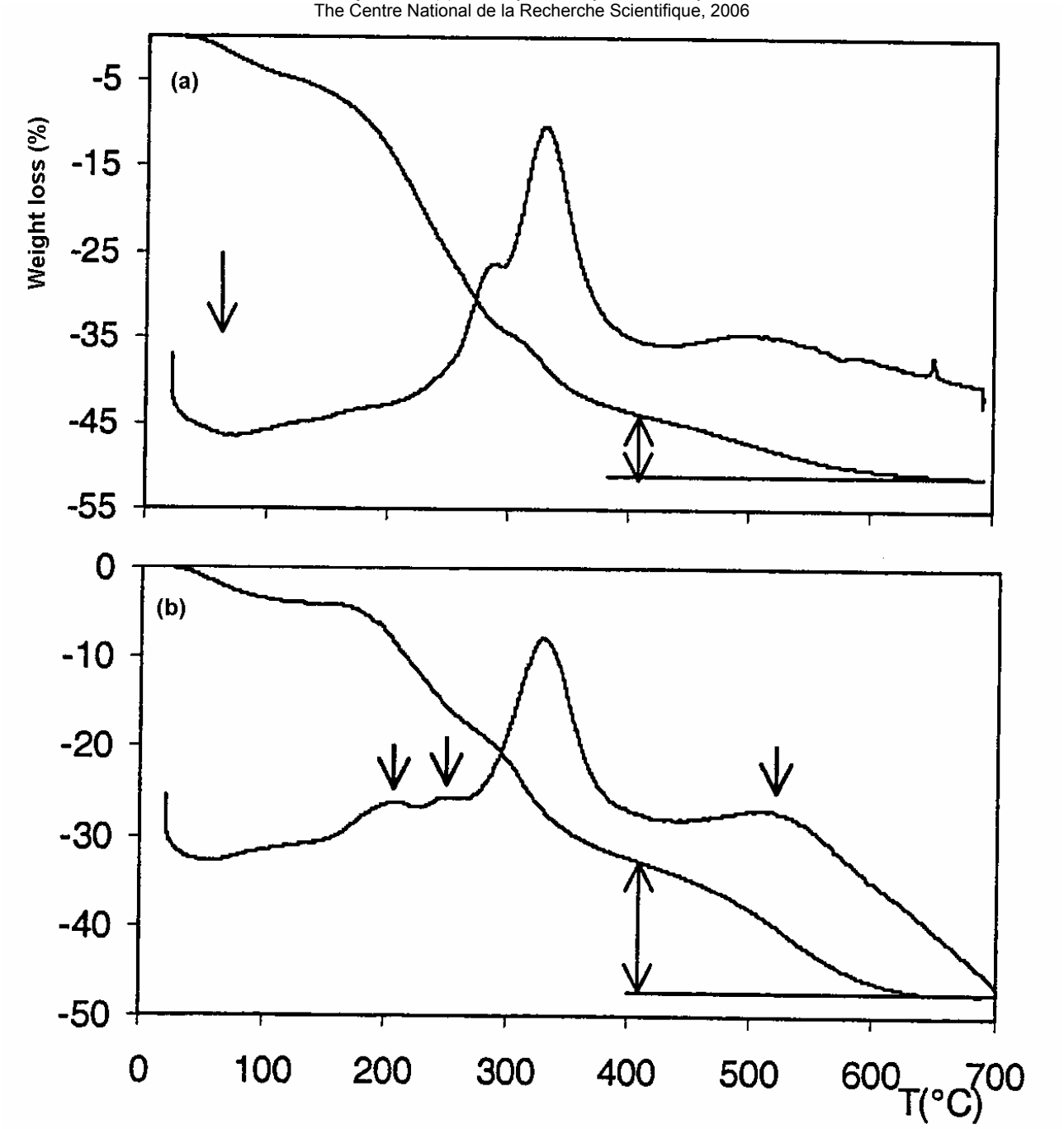
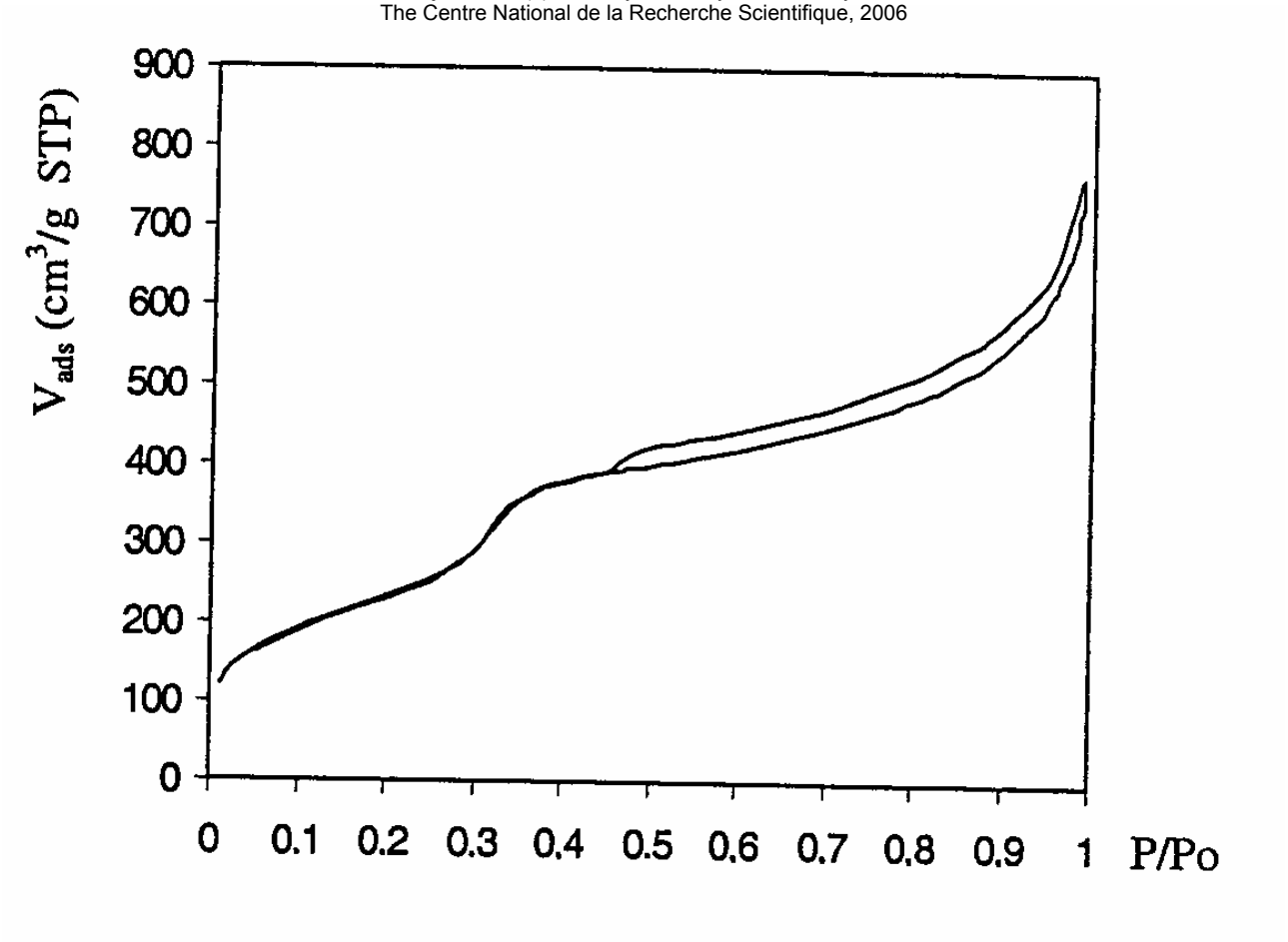


FT-Raman spectra of the samples *D* (a), *E* (b), and *F* (c), showing the decrease of the intensity of the signals corresponding to CTAB.

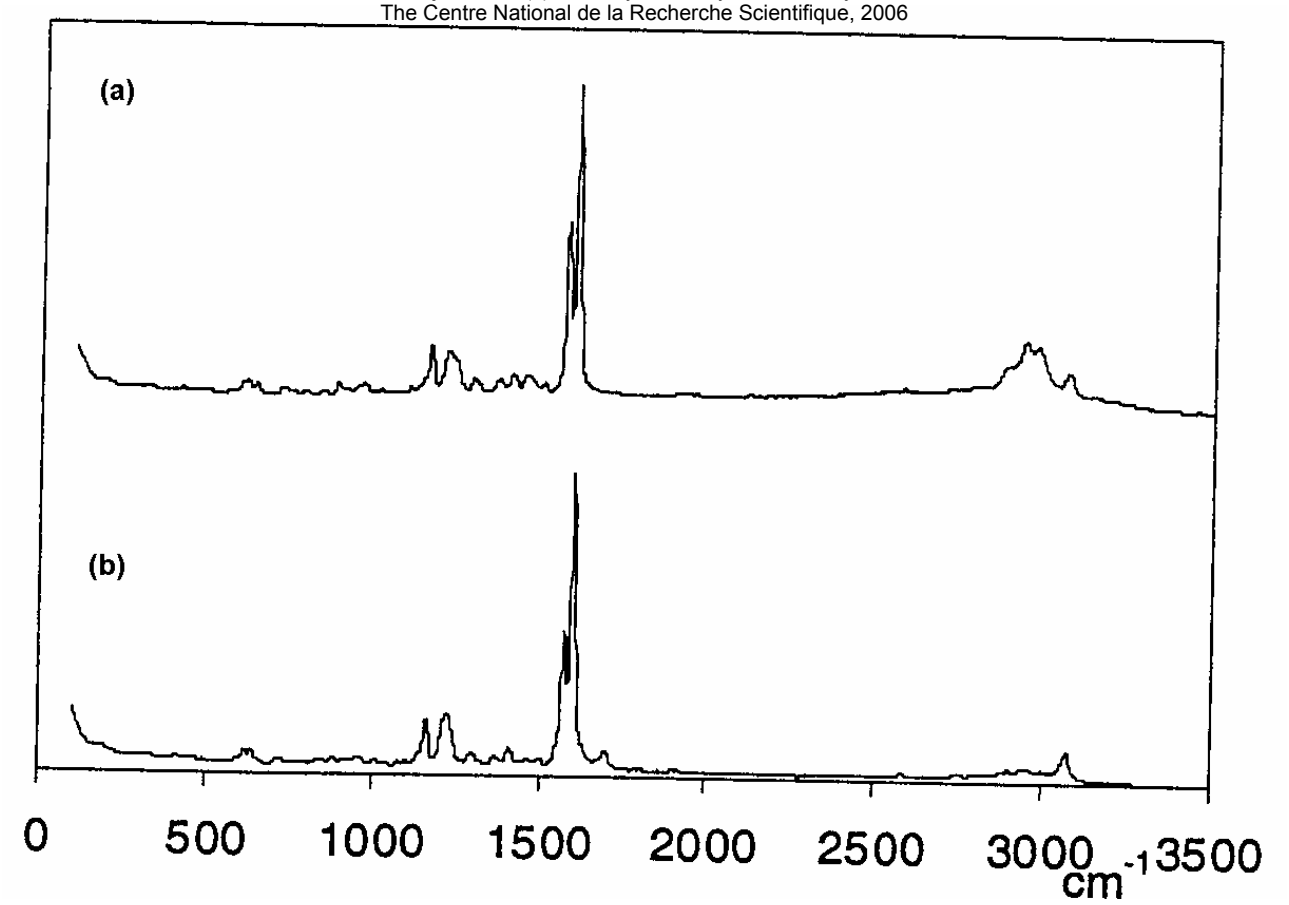


TGA (thermogravimetric analyses) and DSC (differential scanning calorimetry) of MCM-41 (a) and sample *D* (b).

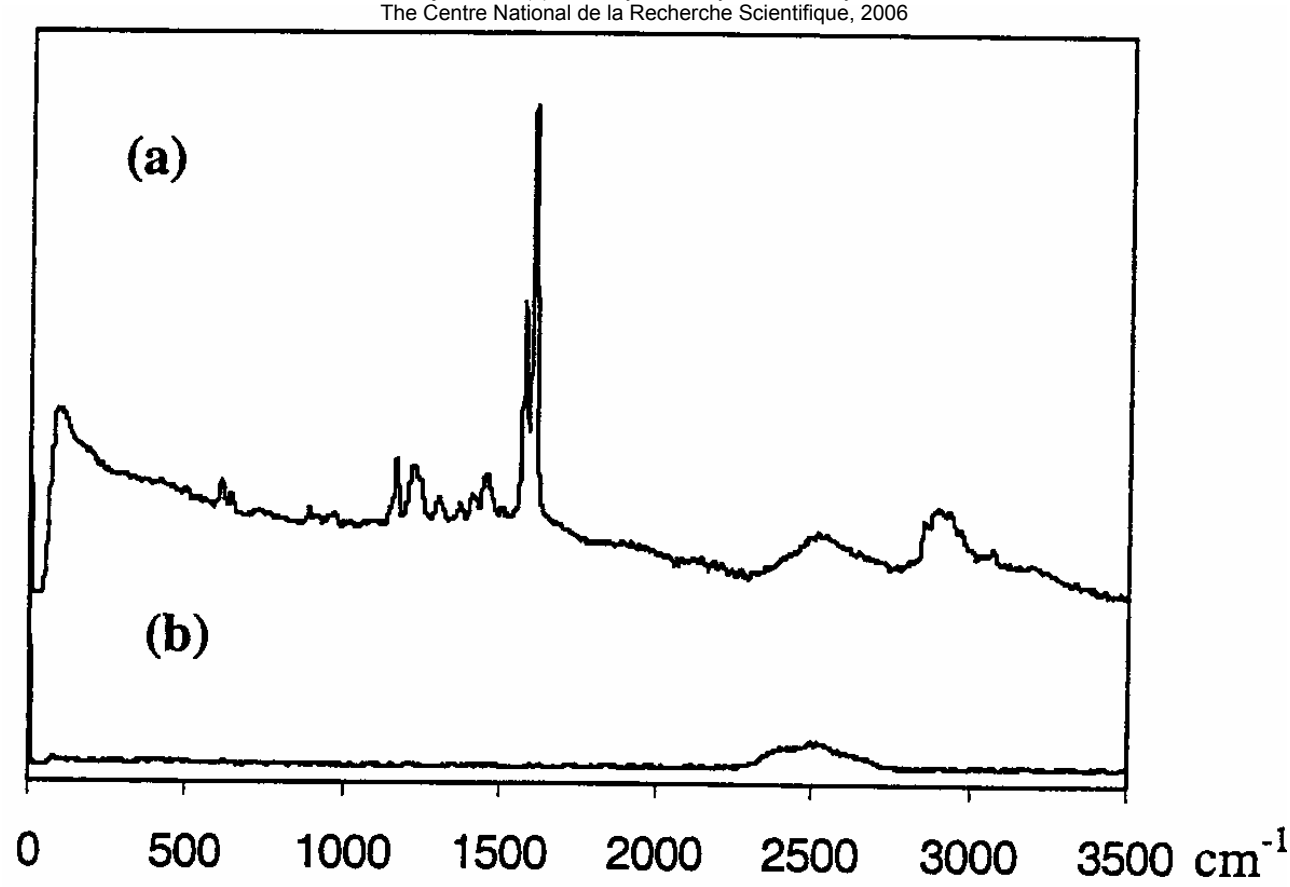


Isotherms of adsorption and desorption of N_2 (gas) of sample *I* (not calcinated).

Correspondence to liquid adsorbed volume usually used, V_{ads} in cm^3/g will be obtained by multiplying the Y axis values by the factor 0.001547.



FT-Raman spectra of dendrimer 2-Gc_4. Pure compound (a) and after reaction with HCl 1N (b) (disappearance of signals at 2800-3000 cm^{-1}, corresponding the end groups)



FT-Raman spectra of sample *G*, after suspension in water-THF and separation of phases. Spectrum of the solid phase (a), and spectrum of the solution (b), showing the absence of dendrimer in solution.