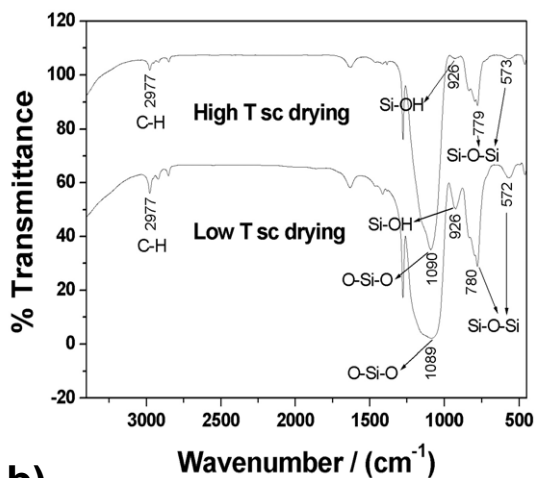
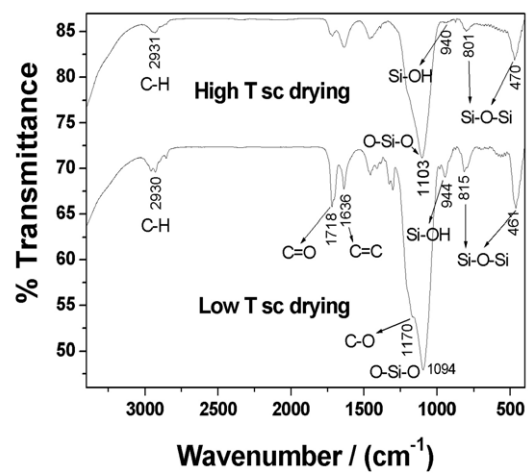


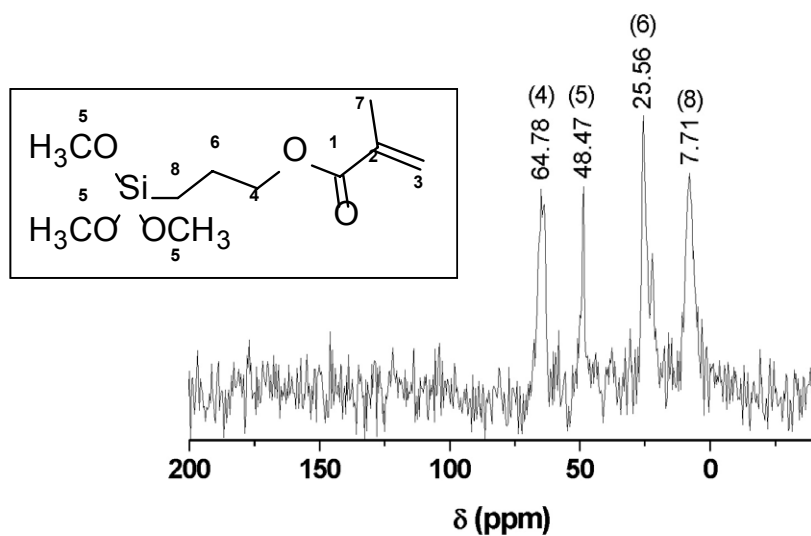
Supplementary Material



b)



SM Figure 1. Infrared transmittance spectra of: a) TMOS:TRIMOS (50:50) (series 1) and b) TMOS:TMSPMA (75:25) (series 2); obtained from high temperature supercritical drying (High T sc drying) and low temperature supercritical drying (Low T sc drying).



SM Figure 2. ^{13}C -NMR spectra of TMOS:TMSPMA (90:10) (series 2).

SM Table 1. Hardness (H), Young's modulus (E)

	H (MPa)	E (MPa)
Series 1 TMOS:TRIMOS (molar ratio)		
100 : 0	5.1	31.3
90 : 10	4.9	22.6
85 : 15	6.0	23.8
75 : 25	5.0	16.0
60 : 40	6.4	16.0
45 : 55	5.8	14.9
40 : 60	5.0	13.0