



Infrared absorbance change due to reaction of DSBAS (—) and DMATMS (—) at 100 °C with two different SiO₂ surfaces: **(a)** films deposited at 100 °C; and **(b)** as-deposited films heated to 500 °C, and cooled to 100 °C. The reference spectra were recorded immediately prior to DSBAS or DMATMS exposure. Each infrared spectrum has been split into three panels (a1, a2, a3; and b1, b2, b3) with different absorbance scales on the y-axis to clearly show all the relevant vibrational modes.