



Fig. S2: a) Spectrum of sample MI_5, first data point in rhyolitic composition. The applied Gaussian curve (green) cannot tangent the minimum between 4000 cm^{-1} and 5200 cm^{-1} (red box).
b) Spectrum of sample MI_5, second data point in dacitic composition. The applied Gaussian curve (green) cannot tangent the minimum between 4000 cm^{-1} and 5200 cm^{-1} (red box).
c) Spectrum of sample MI_5, last data point in dacitic composition with absorption <1. The applied Gaussian curve (violet) can tangent the minimum between 4000 cm^{-1} and 5200 cm^{-1} (red box) due to the increased slope of the spectrum.