



Figure S5 Plots of Shift_{M2} (Å) parameter vs. Ti (a) and F⁻ (b) contents (apfu) and of α (°) parameter vs. Ti (c) and F⁻ (d) contents for the investigated trioctahedral micas from the Avellino and Pompeii xenoliths (see Table 2 and Supplemental Table S3). For comparison, values of phlogopite, fluorophlogopite, and biotite of Vesuvius xenoliths from the AD 1631, AD 1872 and AD 1944 eruptions (Balassone et al., 2013) are reported (symbols as in Fig. 4).