

**Figure 4. ToF-SIMS depth profile analysis of *ex vivo* skin samples treated with ascorbyl glucoside.** (a) A depth profile graph showing the intensity of both the ascorbyl glucoside (*m/z* = 337) and ascorbic acid (*m/z* = 175) ions following application of ascorbyl glucoside as both a PBS and hydrogel formulation and (b) 3D ion maps of ascorbyl glucoside and ascorbic acid from a sample applied with the ascorbyl glucoside hydrogel formulation.