



**FIG. 6** Spatial distributions of Mg, Ca, Na, and K at micrometers. Column C represents the distribution of elements in each sample. C1: salt 1.08 g/kg and SOM 3.53 g/kg; C2: salt 1.09 g/kg and SOM 11.38 g/kg; C3: salt 9.49 g/kg and SOM 13.80 g/kg; C4: 9.55 g/kg and SOM 5.60 g/kg; C5: salt 10.17 g/kg and SOM 13.20 g/kg; and C6: salt 16.10 g/kg and SOM 7.52 g/kg