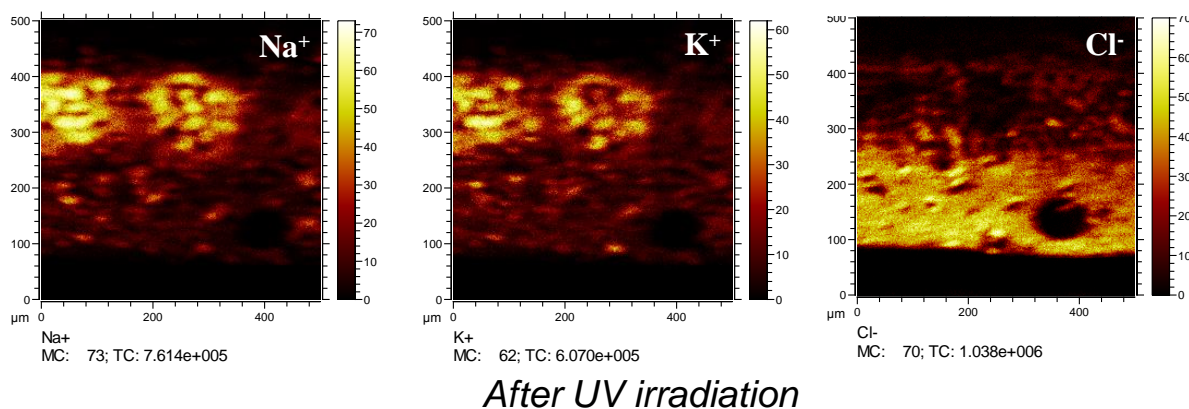
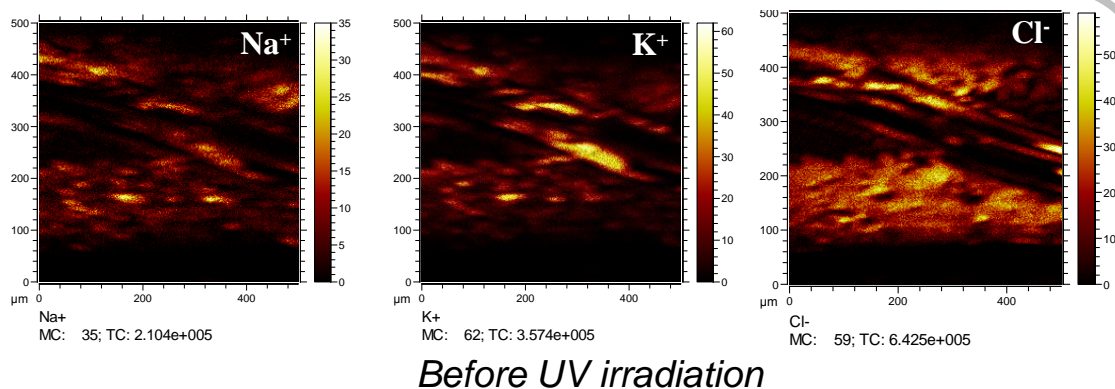


Subject: Study of the effect of UV irradiation on a PVC-coated fabric.

Techniques: ToF-SIMS ionic imaging
Chemical composition on a cross-section

Results:



- ➔ More intense signal of chlorine, hydrocarbonated compounds and phthalate around the irradiated surface and on half the thickness of the cross-section.
- ➔ More intense signal of Na and K around the non irradiated surface.

Conclusion : ToF-SIMS Imaging enables to bring to light the phenomenon of degradation of the PVC resin, particularly with a more intense signal of Cl⁻ ion on almost half the thickness of the sample, i.e. 200µm.