

HETEROGENEITY OF DELTA-8-TETRAHYDROCANNABINOL IN COMMERCIAL HEMP PRODUCTS. Christina Awwad and **Alison Holliday**, Moravian University, Department of Chemistry, 1200 Main Street, Bethlehem, PA 18017, USA. (hollidaya@moravian.edu)

While marijuana remains illegal on the federal level in the United States, hemp and hemp-derived products have been deregulated, provided that the concentration of delta-9-tetrahydrocannabinol (delta-9-THC) remains below 0.3%. As a result, there has been an explosion in the number of commercial hemp products containing psychoactive isomers of delta-9-THC, including delta-8-tetrahydrocannabinol (delta-8-THC). Using LC-MS, we have determined that there is large- and small-scale heterogeneity in the distribution of delta-8-THC in hemp product samples, as well as inconsistencies with reported commercial values.