

Supporting Information

Identification of Isomers by Multi-Dimensional Isotopic Shifts in High-Field Ion Mobility Spectra

Pratima Pathak, Matthew A. Baird, Alexandre A. Shvartsburg

Department of Chemistry, Wichita State University, 1845 Fairmount, Wichita, KS 67260

alexandre.shvartsburg@wichita.edu

Figure S1. Example of FAIMS spectra with replicates: nine consecutive CV scans (of 9 minutes each) for 1:1 **2,4/3,4** mixture (DV = 5.0 kV, 43% He) extracted at $m/z = 162$. With E_C decreasing, the **2,4** peak is on the left of each scan.

Figure S2. Maps of $^{13}\text{C}/^{37}\text{Cl}$ shifts for the DCA isomers at 0, 20, 30, and 43% He (2-D bars for the 95% confidence intervals from ~10 replicates, dashed lines are for equal shifts).

Figure S1

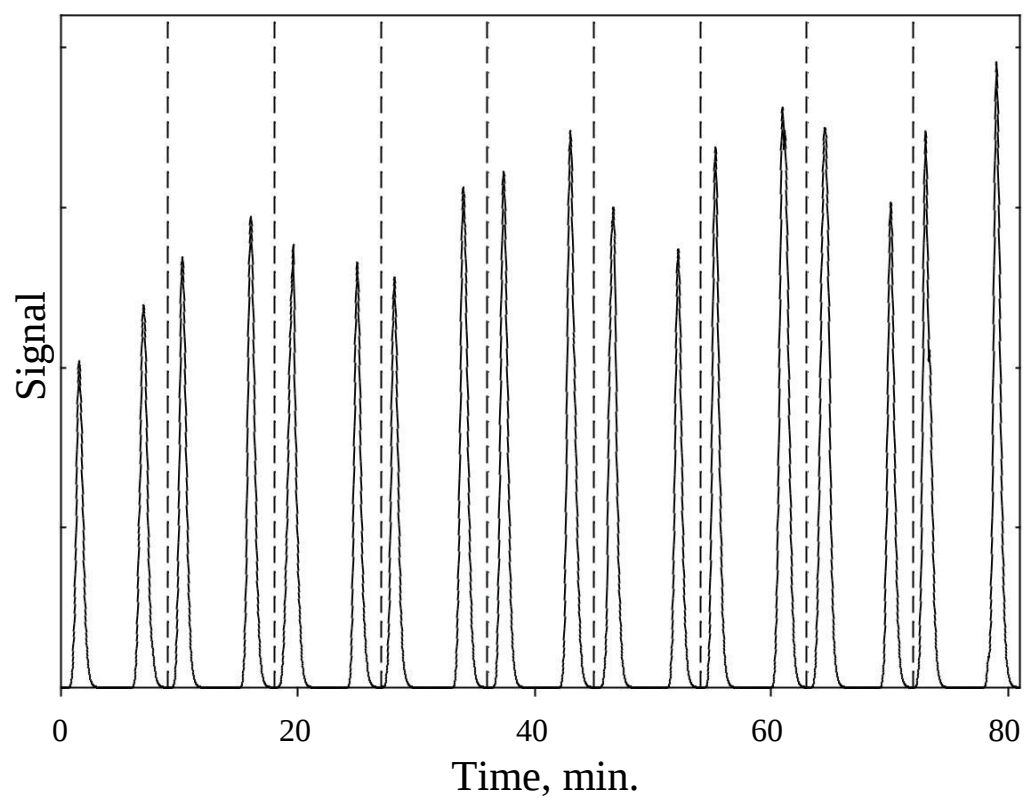


Figure S2

