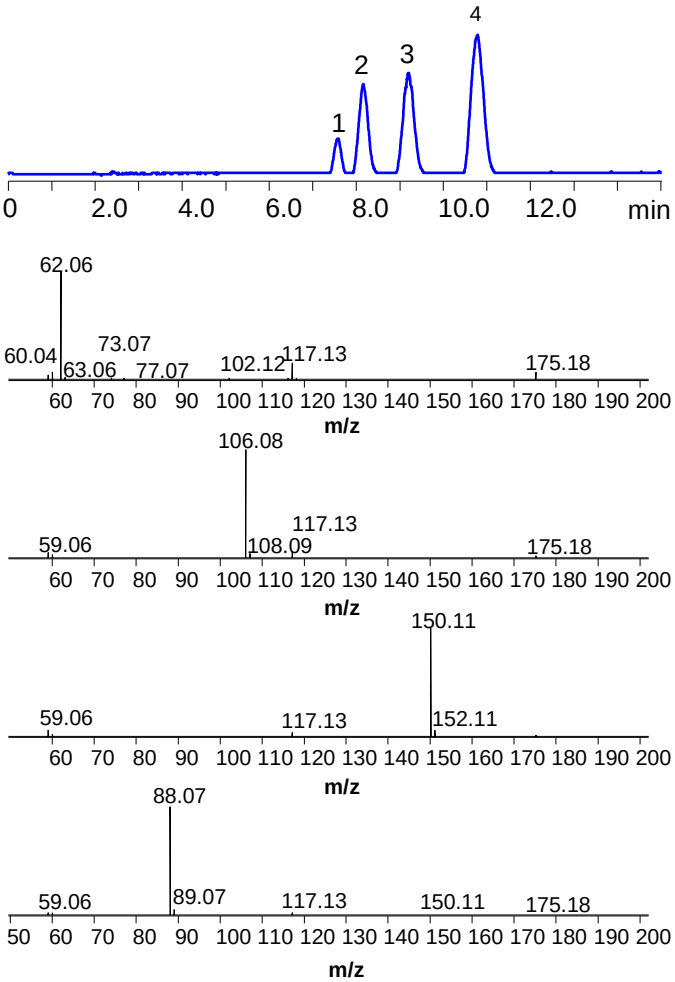
LC/MS Analysis of Ethanolamine, Diethanolamine, Triethanolamine and Morpholine on Amaze SC Mixed-Mode Column



1. Ethanolamine
2. Diethanolamine
3. Triethanolamine
4. Morpholine

Column: Amaze SC
Dimensions: 2.1x150 mm, 3 um, 100A
Mobile phase: ACN/Water/AmFm pH 3
Detection: MS
Sample: 0.1 mg/ml
Injection: 2 uL

Application Notes

Helix Chromatography mixed-mode columns are designed for retention and separation of polar ionizable compounds without ion-pairing reagent. Amaze SC is a reversed-phase cation-exchange column with ion-pairing reagent ATTACHED to the surface of ultra-pure silica gel. It provides a unique selectivity in the retention of a wide range of compounds. We are presenting the method for LC/MS analysis of a mixture of three ethanolamines and morpholine achieved in reversed-phase and cation-exchange modes. The simple isocratic method was developed by one of our collaborators - ABMS Core Facilities, University of Arizona. A shorter column with the gradient or isocratic conditions can be used for a shorter analysis time. If you don't want to do method development, we can do it for you. Learn more at wwww.helixchrom.com.