

**Summary of Experiment:**

Each benzodiazepine standard was analyzed using Solid Phase Microextraction (SPME) followed by Gas Chromatography-Mass Spectrometry (GC/MS) to generate individual headspace chromatograms. The goal was to identify volatile compounds emitted by each drug and assess their suitability as vapor surrogates.

**Definitions:**

RT – Retention Time (in minutes): The time it takes for each compound to elute from the GC column.