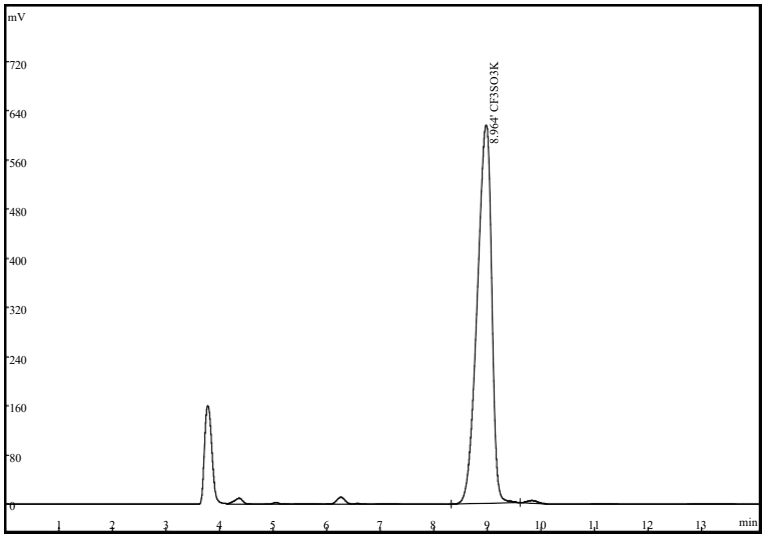
1.5 Determination of trifluoromethanesulfonate in potassium trifluoromethanesulfonate

Potassium trifluoromethanesulfonate is a kind of organometallic compound, which can be used to study the mixed alkali effect and short-range interaction in polyepoxyethane electrolyte and the electrochemical behavior of glass carbon in super acid medium. The purity of potassium trifluoromethanesulfonate can be obtained by detecting the ion of trifluoromethanesulfonate by ion chromatography, which provides monitoring for the production process of the product.

Analysis Conditions:

- Analytical Column：SH-G-1+SH-AC-17
- Mobile Phase：10 mM KOH
- Flow Rate：1.0 mL/min
- Suppressor：SHY-A-6
- Injection Volume：25 μL

Pretreatment: Accurately weigh 0.1001g of the sample, dilute it to 100mL with ultra pure water, and inject the sample through 0.22 μm filter membrane for analysis.



Chromatogram of trifluoromethanesulfonate in potassium trifluoromethanesulfonate