

Review of Rissanen et al.

I wish to point out that I was not a reviewer of this manuscript in the first round of review. I find it a pleasure to read the updated manuscript. The novel inlet for fast switching of reagent ions is of great interest to the community. I only have minor comments.

1. As the main focus of the manuscript is to introduce the inlet design, more details about the inlet should be provided, such as the dimensions of the source blocks. What's the weight of each ionization stage? This may be an issue when multiple ionization stages are deployed.
2. From figure 1a, it looks like that the directions of two ionization stages are 90degree different. Is this for experimental reason or for illustration?
3. Figure 2. It would be nice to include an insert figure with shorter time period, to better show the switch between two reagent ions.
4. The authors hypothesized that the difference in sulfuric acid calibration factors between Br⁻ and NO₃⁻ is due to the ion-molecule reaction time. This is an easy hypothesis to test, just by switching the positions of two reagent ions.