

Comments from the Editor:

Q1. ACP does not require a Graphic abstract. You can remove it from your manuscript.

Reply1: The graphic abstract has been removed from the manuscript.

Q2. In Figure 3, there is a note "intensity*3". It is not clear if it is only for m/z 594 or for a region. It does not make sense if it is only for ion 594.

Reply2: In Figure 3a, the note "intensity $\times 3$ " indicates signal amplification for the m/z range of 500-800, as illustrated in the revised Figure 3 and its caption in the revised manuscript.

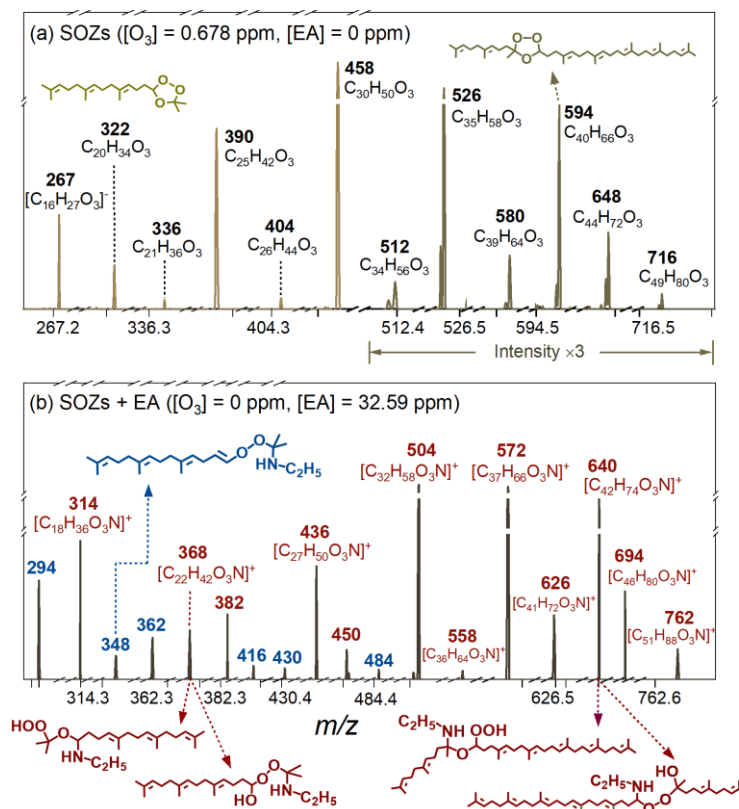


Figure 3: Mass spectra of (a) representative SOZs (the signals within the m/z range of 500-800 are amplified) formed during the ozonolysis of Sqe in the first flowtube reactor, and (b) their amination products (adducts of SOZ + EA are in red and dehydration products are in blue) upon exposure to ethylamine (EA) in the secondary flowtube reactor.

Q3. Conclusion part can be merged into one paragraph.

Reply3: We have merged them into one paragraph.

Q4. Line 324, change "conducted" to "developed", change "were responsible for" to "was responsible for".

Reply4: We have corrected them.