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Atmospheric Measurement Techniques Discussions

Interactive comment on "MS/MS studies on the selective on-line detection of sesquiterpenes using a flowing afterglow-tandem mass spectrometer" *by* J. Rimetz-Planchon et al.

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This is a very interesting paper papving a way towards a practial use of tandem mass spectrometry for analyses of SQT present in air.

It is good to see that only even electron (nonradical) ions are produced from protonated product ions but that both radical and nonradical ions are produced from the radical cations.

Is there any way the observed fragmentation could be rationalised with reference to the structures of the SQT molecules? It woudl be really useful to give a scheme with

structures and indicate which are the major neutral fragments lost in CID.

It really looks promissing in the terms of potential for determining the identity of SQT from the in-situ data.

Interactive comment on Atmos. Meas. Tech. Discuss., 3, 4285, 2010.