

Accepted Manuscript

Title: Photo-fragmentation of alkyl phosphates in the gas-phase

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PII: S1010-6030(18)30462-3
DOI: <https://doi.org/10.1016/j.jphotochem.2018.07.017>
Reference: JPC 11383

To appear in: *Journal of Photochemistry and Photobiology A: Chemistry*

Received date: 9-4-2018
Revised date: 11-7-2018
Accepted date: 12-7-2018

Please cite this article as: Chiarinelli J, Markus P, Bolognesi P, Avaldi L, Turco Liveri V, Calandra P, Photo-fragmentation of alkyl phosphates in the gas-phase, *Journal of Photochemistry and Photobiology, A: Chemistry* (2018), <https://doi.org/10.1016/j.jphotochem.2018.07.017>

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PHOTO-FRAGMENTATION OF ALKYL PHOSPHATES IN THE GAS-PHASE

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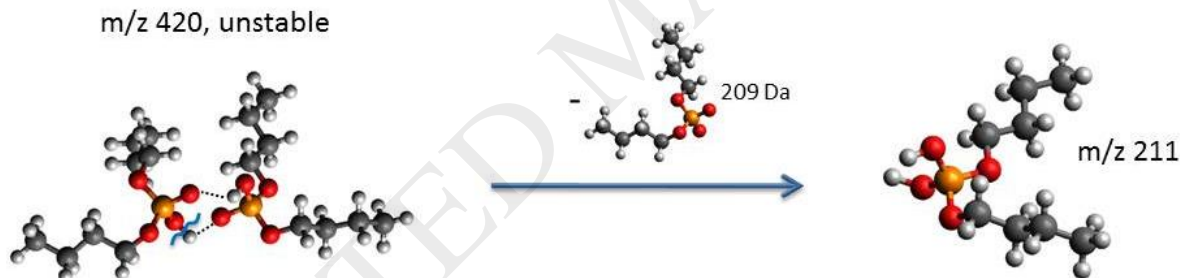
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Graphical Abstract



The finding of fragments at $m/z=211$ is a signature of DBP ionized dimer presence in the gas phase

Highlights

- Acidic alkylphosphates (bis-2-ethylhexyl phosphate and dibutylphosphate) can undergo evaporation as dimers.
- All alkylphosphates have the tendency to saturate all the oxygen bonds.
- The VUV radiation-induced chemistry represents an accelerated alternative to the bacteria-induced alkylphosphate degradation.

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