

## *Improving technology one molecule at the time*

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### Abstract:

An example and the history of improving technology one molecule at the time will be presented. Halogenated organic compounds play an important role in atmospheric and environmental chemistry. There has recently been an extensive review of the atmospheric chemistry of halogenated organic compounds<sup>1</sup>. The most current understanding of sources, emissions, atmospheric concentrations and environmental sinks and fates will be presented. The chemistry associated with formation and loss of stratospheric ozone and processes related to halogenated organics are described and the contribution of halogenated organics to radiative forcing of climate change is discussed in context of the environmental impact of halogenated organic compounds.

### References:

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*Timothy J Wallington, Mads P Sulbaek Andersen and Ole John Nielsen* “Atmospheric Chemistry of Halogenated Organic Compounds” in Advances in Atmospheric Chemistry, Volume 1 Advances in Atmospheric Chemistry, World Scientific (2017).