

GAS PHASE SAMPLE ANALYSIS BY VOLATILE APCI (vAPCI)

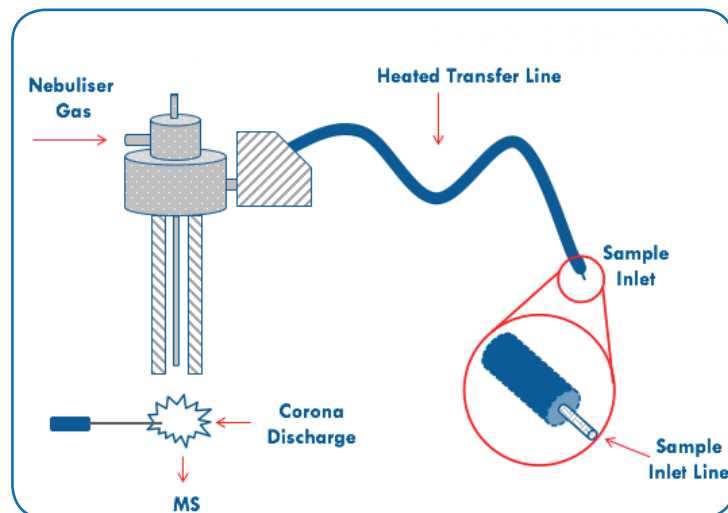
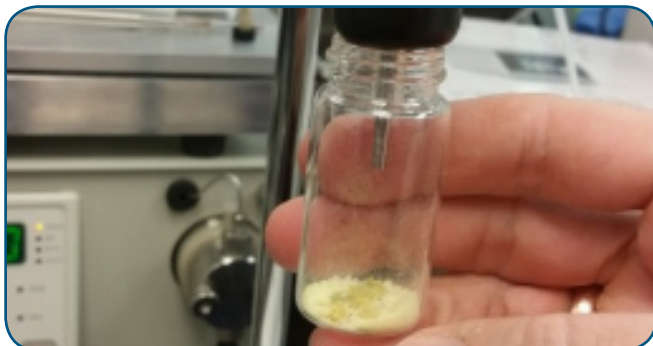
Advion

Volatile Atmospheric Pressure Chemical Ionization (vAPCI) combined with Advion's expression[®] compact mass spectrometer (CMS) is a fast and easy method to analyze the headspace of a sample with no additional sample prep. Mass spectrometry is a powerful tool for analysis, however it is difficult to analyze a sample in the gas phase. The vAPCI inlet solves this by providing a sample inlet linked by a heated transfer line to an APCI ion source, where the sample is ionized by chemical reaction by a corona discharge.

The vAPCI ion source for the expression CMS is a simple, powerful tool for gas phase sample analysis. The technique can quickly and confidently identify compounds in air, breath, headspace and other gas samples without the need for any sample preparation.

vAPCI enables chemists to:

- Analyze samples directly in the gas phase
- Solvent-free APCI allows a greater range of compounds to be ionized compared to traditional APCI ion sources.



Advion's unrivalled expertise in mass spectrometry has delivered a mass spec solution just for chemists. Whether you are a biopharmaceutical company, in academic research or a teaching lab, or any industry requiring routine mass assays, the expression CMS delivers high performance in a compact, easy-to-use package at an affordable price.