

# DART-SVP vs ASAP Probe

	ASAP	DART-SVP
Direct Insertion	Solids and liquids	<b>Gases</b> , solids or liquids
Variety of Ionization	Predominantly Positive ion formation of $[M+H]^+$ , and $[M+Na]^+$	Easily accomplishes either positive $[M+H]^+$ or negative ion formation $[M-H]^-$ with <b>no cationization</b>
Sampling	<b>Great care required for analysis of powders</b> due to capability of the heating gas to displace the solids = contamination	Use of sampler with the VAPUR removes the desorption and ionization region from close to the atmospheric pressure inlet
Automated Sample Introduction	Samples submitted <b>one-by-one</b> in manual process	<b>Many automated sample handling modules</b> make high throughput measurements routine
Desorption Temperature	Usually fixed temperature since APCI spray source block is used to heat the desorbing gas changing temperature requires significant time	Operation at temperatures ranging from room temperature to 450C easily selected with only short time intervals required for temperature stabilization. Automated temperature profiling.