

FIGURE 1. Schematic of the ALE-QMS chamber with line of site between sample and ionizer.

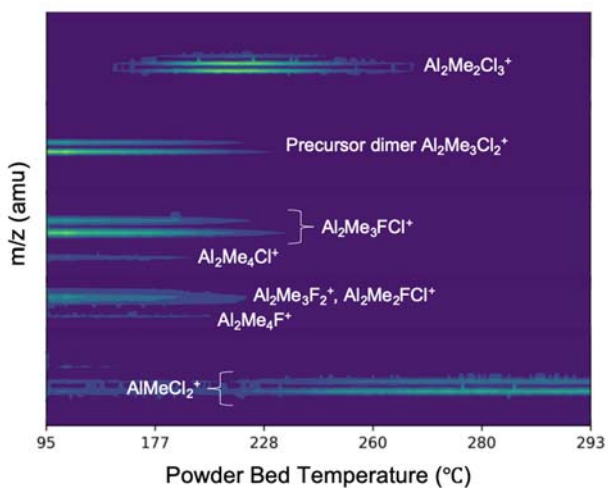


FIGURE 2. Volatile etch products as a function of temperature for the reaction of  $\text{AlF}_3$  with DMAC.

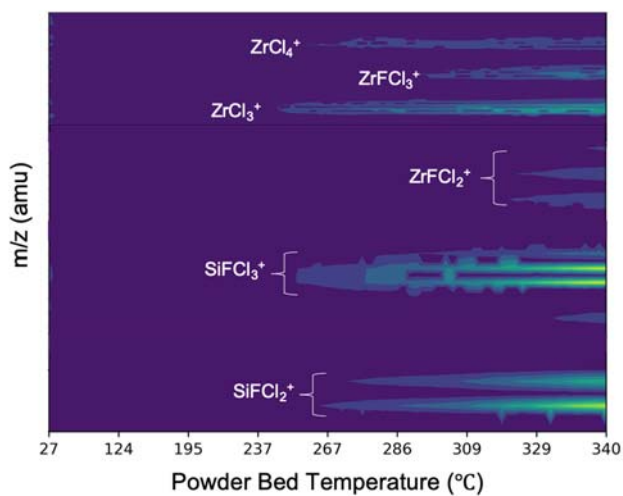


FIGURE 3. Volatile etch products as a function of temperature for the reaction of  $\text{ZrF}_4$  with  $\text{SiCl}_4$ .