

AN INVESTIGATION OF THE SAMPLES PRODUCED BY THE  
ELECTROSPRAY TECHNIQUE IN MOLECULAR DESORPTION  
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Electrospray technique used in the preparation of samples which are to be used in molecular desorption mass spectrometry has been investigated. Results revealed that better sample surfaces can be obtained by increasing the gap between the sample foil and the spraying jet, and also modifying the electric field between the two. An attempt has also been made to measure the thickness of the sample layers thus formed using an optical method, and a Quartz crystal. Variation of the frequency of the Quartz crystal oscillator with the thickness of the sample layer was found to be linear, and a variation of 22Å per Hz was obtained for a sample of 10 mg/ml.

References

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