

MS field applications in CBSA operations

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The Canada Border Services Agency (CBSA) supports national security priorities while facilitating the flow of legitimate persons and goods. The Science and Engineering Directorate (SED) is the Agency lead in the application of technology and scientific methodology to border management initiatives. As part of this directorate, the Border Technology Division (BTD) is focused on science and engineering technologies and solutions to optimize contraband detection and identification programs. Mass spectrometers are vital laboratory instruments for the identification of contraband such as controlled drugs. All technology deployed at border ports of entry are subject to a variety of challenges, some of which will be highlighted during the presentation. This presentation will describe various CBSA field operation environments, including the Designated Safe Sample Areas, and will also cover an overview of field technology currently used in the CBSA operations, including the successful field deployment of SIFT-MS. Specific needs that future field technology is expected to meet will also be discussed.