

infrared spectra of any of the isomeric octyl methylphosphonates. This may be due to the difficulty in obtaining infrared spectra from closely located GC-peaks and to the low concentrations of the fluoridates.

In this test the VERIFY database was not very helpful. Only a few of the chemicals were included in the database. There were no recommended operating procedures for the preparation of samples from cotton buds, charcoal and liquid samples. The procedures in the database for analytical methods were mainly for monitoring of known compounds, not structure elucidation. And the addition of the analysis results would have been unreasonably slow due to the large number of both samples and chemicals in the samples.

Finally, this test stressed the need to solve the problems associated with the transportation of samples. This will require designation of the United Nations' code numbers to the chemicals or classes of chemicals and placing them into the proper transportation class. The problem of declaring samples of unknown composition might be overcome by placing all samples into the strictest category of the transportation classes. At present, the laboratory responsible for the preparation of the samples is, however, the only one that can give information on the toxicity of the samples with a view to finding the appropriate transportation means. Rules acceptable for every government should, therefore, be found for the transportation of test samples in order to facilitate the present work of the future Convention geared to improving the reliability of the verification procedures.

## 8. Conclusions

Using these round-robin samples as specific examples, the following (inspection scenario) conclusions regarding the inspection of a chemical facility can be drawn.

An inspector, an expert in CW chemical analysis, and equipped with a transportable gas chromatograph - mass spectrometer, would have been able to obtain a preliminary identification on-site, that a Schedule 1 compound was present provided that its characteristics were in the data base. Because the reference data for this methylphosphonofluoridate