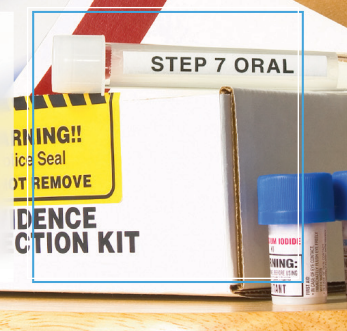


Agilent Explosives ID solution Quick Explosives Identification using GC/MSD with TSP

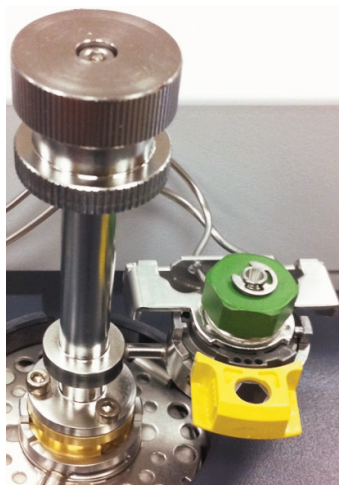
Forensics



The transportable Agilent 5975T GC/MSD, together with a rugged Thermal Separation Probe (TSP) provide fast, accurate identification. The TSP offers a rapid, rugged, and inexpensive approach with no sample preparation required for fast analysis of explosives. This fast analysis of explosives solution could be used in the lab and on-site mobile lab.

Description of Industry Application

There is increasing pressure to reduce time to identify explosives without sacrificing analytical quality. High explosives encountered in the forensic laboratory may be either pure or nearly pure compounds: nitroaromatics, nitrate esters, nitramines, or mixtures of these with or without other ingredients.



The Agilent 5975T Low Thermal Mass (LTM) with the Thermal Separation Probe (TSP) is the perfect instrument for this task either in the lab or in the field. The TSP requires little or no sample preparation, just measure the sample and start the run. The 5975T LTM GC/MSD utilizing short narrow-bore capillary columns with a quick ramp heating oven rate and fast cooling cycle provides, further improves run times to create an ultra-fast sample cycle.

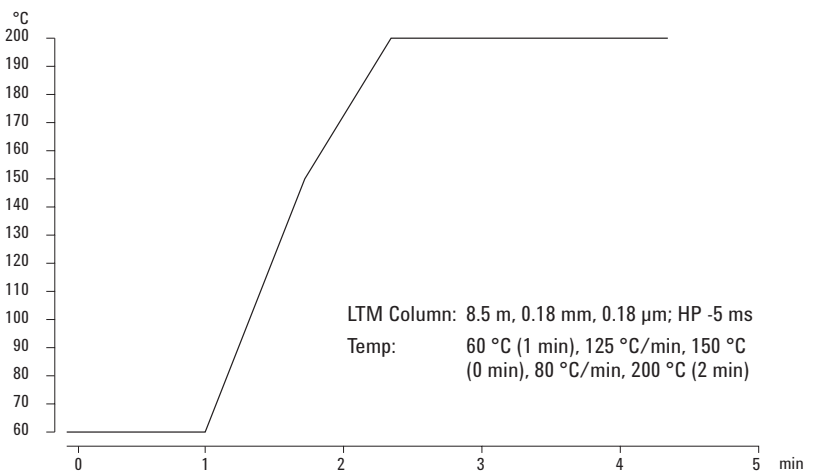
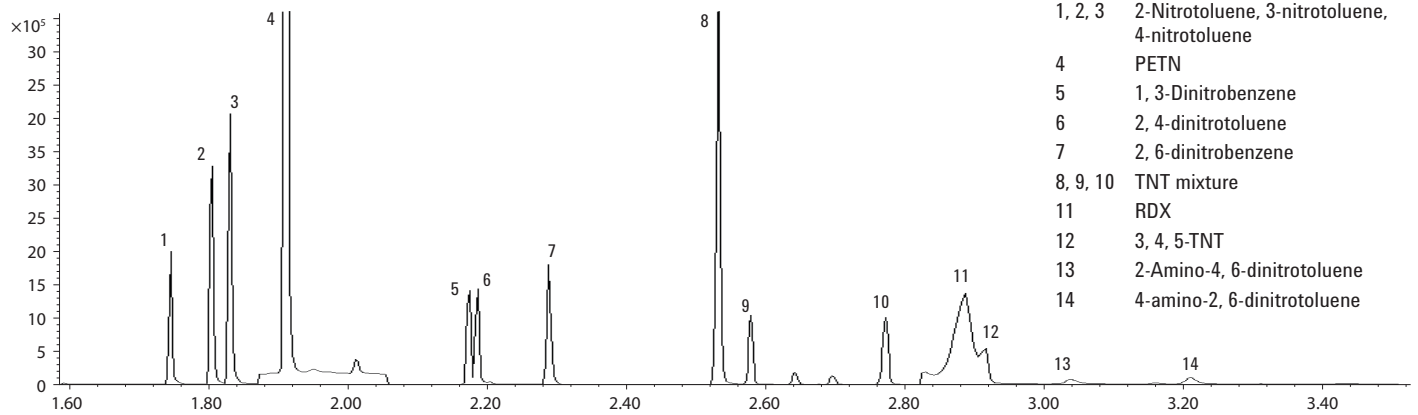
Either when police find suspected explosives powders or after an explosion, the analysis can be made quickly. In either situation, they just take a small sample of powder or soil sample with a high concentration of explosives for quick measurement by 5975T and TSP, no sample preparation required, the results could be gotten within several minutes.

Key Benefits

- On-site measurement with the Agilent 5975T GC/MS
- Agilent Thermal Separation Probe (TSP) minimizes sample preparation time
- Agilent 5975T Low Thermal Mass (LTM) GC/MS provides fast temperature ramp rates for short cycle times



Running time < 5 min



No sample preparation needed, just measure sample powder.

Learn more:

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