

# SRI Instruments

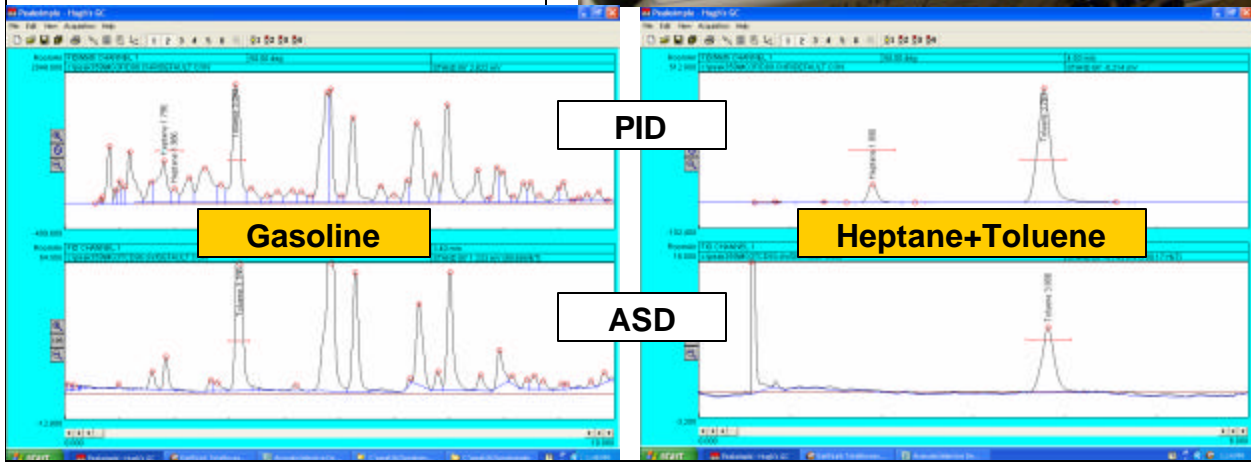
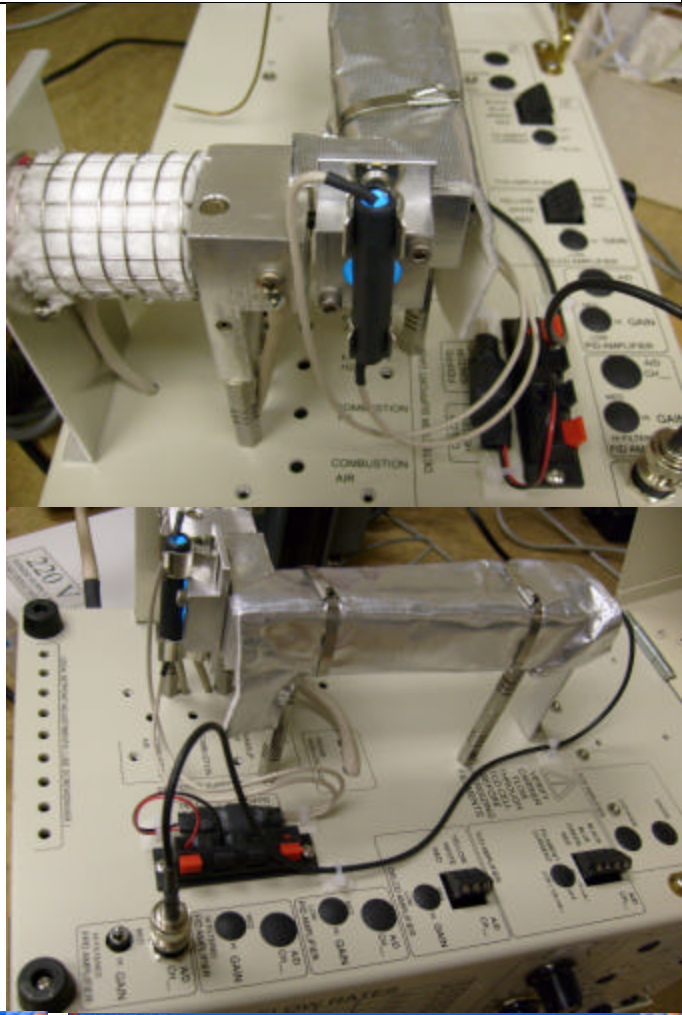
## Aromatic Selective Detector ( ASD )

The SRI Aromatic Selective Detector ( ASD ) consists of a 15cm long heated tube with a mercury lamp mounted at one end and a photodiode at the other. It can be mounted on an SRI GC or on the separate Model 110 chassis which is then connected to any GC.

The ASD detects only those molecules which absorb the 254nm wavelength produced by the mercury lamp. Aromatic compounds such as Benzene and Toluene absorb strongly at this wavelength while aliphatic compounds such as Hexane and Heptane do not.

Notice the comparative chromatograms below right showing the response of the PID and ASD detectors plumbed in series to an injection of 1000ppm each Heptane and Toluene. The ASD shows no response to the Heptane but good response to the Toluene.

The chromatogram below shows the comparative response of the PID and ASD to .2ul gasoline. The PID detects all the gasoline compounds while the ASD detects only the aromatics.



**8690-0006**

**Aromatic Selective Detector ( ASD )**

**\$5995.00**