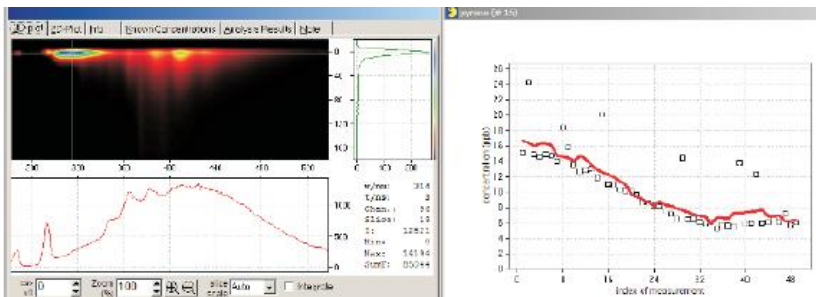


# UV-Laserfluorimeter Fluovision

The *Fluovision* is a mobile system for environmental analysis based on time-resolved, laser induced fluorescence spectroscopy (LIF).

- **On-line and in-situ analysis**  
No sampling, prompt result by use of multivariate calibrations techniques
- **Wide range of detectable substances**  
Polycyclic Aromatic Hydrocarbons (PAH), Monoaromatics (BTEX), Petroleum Products, DOC, Fluorescence Tracer, Tyrosine, Tryptophan
- **Technical Highlights**  
DPSS-laser at 266 nm emission, special fiber optic sensor head for investigations in water and soil, flexible spectrometer software PAKMAN



## Applications

- Monitoring of tap and raw water
- Tracer analysis and leak detection  
Hydrological research of water ways and flow and impermeability tests
- Assessment and mapping of polluted areas
- Decision support in remediation
- Process control in food and beverages industry

## New Application: DOC-Analysis

### Monitoring of Dissolved Organic Carbon (DOC) in:

- Water treatment
- Biotechnology
- Ultra-pure-water applications

Natural water contains humic substances that originate from microbiological conversion of biological material by animals and plants. This humic substances consist of aromatic compounds easily be excited to fluorescence. The LIF signal is proportional to DOC concentration.

