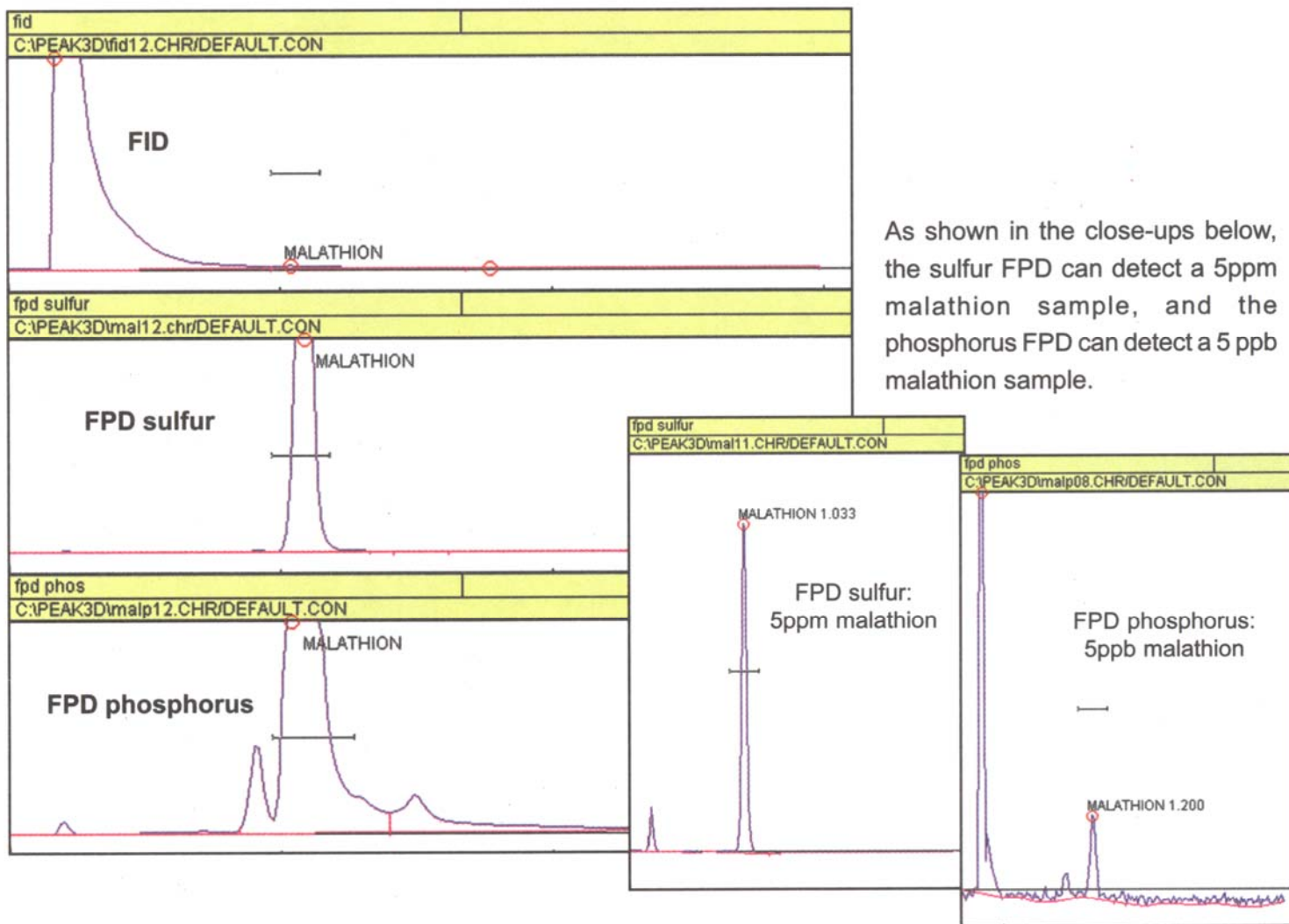


# FPD - Flame Photometric Detector

## FPD, Dual FPD, FPD/FID, FID/Dual FPD

Either the single or dual FPD can be equipped with an FID collector electrode and electrometer, which will detect the hydrocarbon peaks at the same time the PMTs are responding to the sulfur and phosphorus compounds. The FID response is not as sensitive as a pure FID because the hydrogen-rich flame is optimized for sulfur and phosphorus detection, not hydrocarbon detection. Users can easily optimize the sulfur-phosphorus response versus hydrocarbons response simply by adjusting the hydrogen/air mixture with the included EPC gas controls.

These three chromatograms are the FID/Dual FPD combination detector responses to a 50ppm malathion sample.



- |           |  |
|-----------|--|
| 8690-0080 | FPD detector   |
| 8690-1080 | FPD/FID combination detector   |
| 8690-0085 | Dual FPD with sulfur and phosphorus filters                              |
| 8690-2085 | Dual FPD with sulfur and phosphorus filters, and FID collector electrode |