

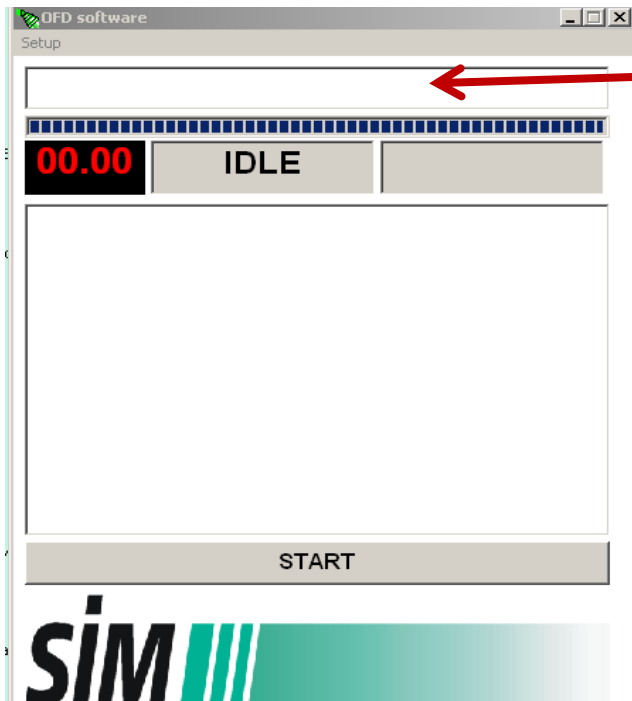
OFD Olfactory Detector (Sniffer)

- absolutely **olfactory neutrality** of all components , esp. the insulating of the transfer line (odorless even at temperatures up to 300 °C)
- **heatable transfer line** without „cold spots“, optional with temperature program corresponding to the GC run
- addition of **humidified air** prevents the nasal mucosa from drying out
- **simultaneous detection** with other GC detectors using different splitters (e. g. deans-switch)
- different ways for rapid **recording of odor** impressions (short cuts, menu bar, via keyboard or pen tablet)
- integrated in Agilent **ChemStation/MS ChemStation**



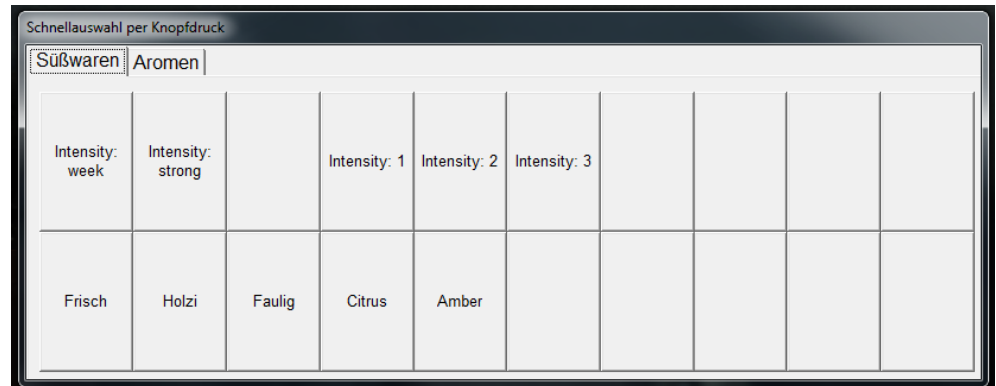
Data Recording

Start screen of the OFD Software:

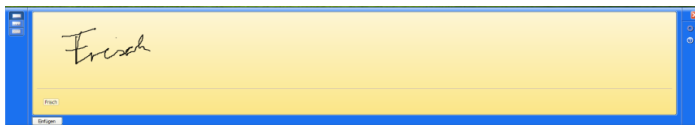


field for comments via keyboard

Clickbuttons for fast recording:

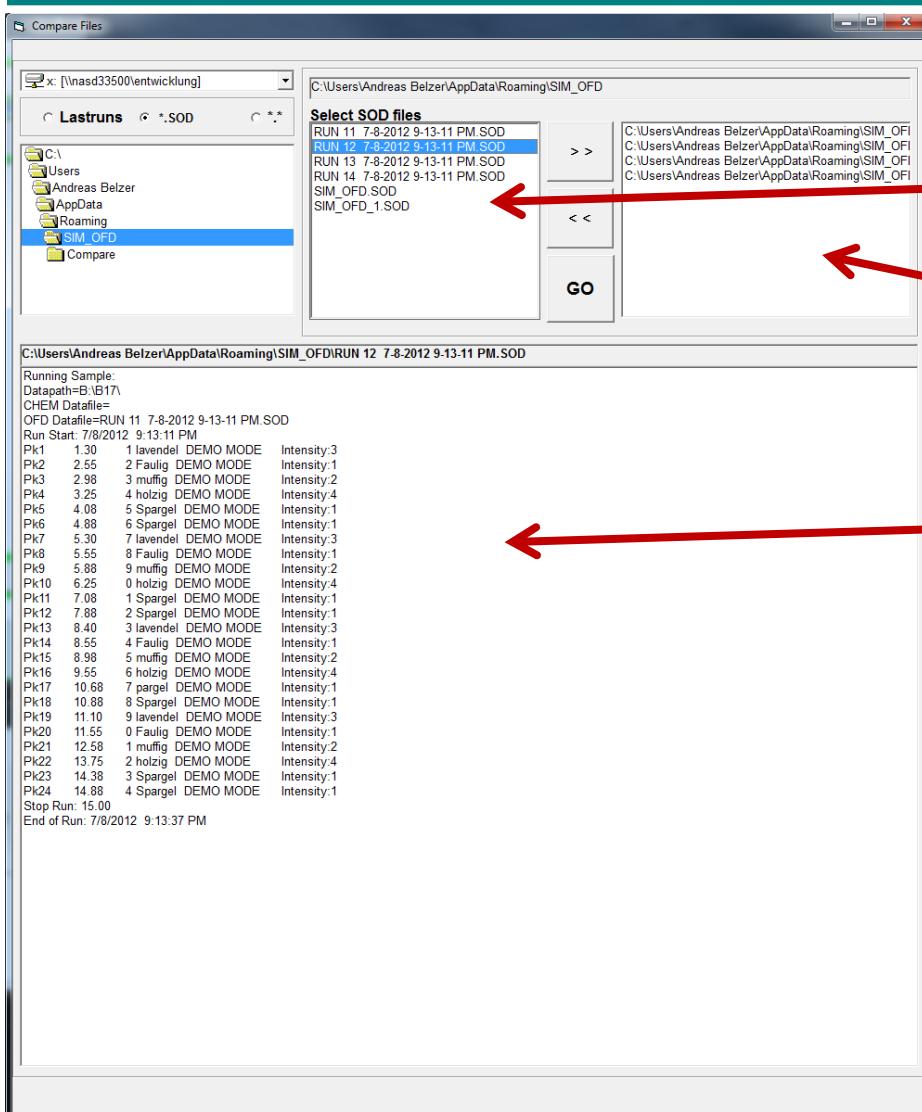


Hand detection with graphic tablet:



- parallel detection with MSD or FID
- storage of odor impressions in the data file directory of the ChemStation
- labelling of the chromatogram peaks with OFD results
- comparison of up to 10 analytical runs

OFD File Compare



explore – OFD Files

selection of the OFD file

preview of the OFD file

OFD File Compare

E3Q0576S-hw-1.D				RUN 11 7-8-2012				RUN 11 7-8-2012				RUN 11 7-8-2012			
Pk No	RT	Caption	Intensity	Pk No	RT	Caption	Intensity	Pk No	RT	Caption	Intensity	Pk No	RT	Caption	Intensity
				1	0.8	lavendel DEMO	3								
				2	1.55	Faulig DEMO MODE	1	2	1.05	lavendel DEMO	3	1	1.3	1 lavendel DEMO	3
				3	1.98	muffig DEMO MODE	2					2	2.55	2 Faulig DEMO	1
				4	2.25	holzlig DEMO MODE	4	3	2.2	Faulig DEMO MODE	1	3	2.98	3 muffig DEMO	2
				5	3.08	Spargel DEMO	1					4	3.28	4 holzig DEMO	4
								4	3.25	DEMOMODE	4	5	4.08	5 Spargel DEMO	1
1	4.43	stinkig kasig	4					5	3.35	DEMOMODE	2	6	4.88	6 Spargel DEMO	1
				6	4.88	Spargel DEMO	1	6	4.38	Spargel DEMO	1	7	5.3	7 lavendel DEMO	3
												8	5.55	8 Faulig DEMO	1
				7	6.3	lavendel DEMO	3					9	5.88	9 muffig DEMO	2
				8	6.55	Faulig DEMO MODE	1					10	6.25	0 holzig DEMO	4
				10	7.05	holzlig DEMO MODE	4					11	7.08	1 Spargel DEMO	1
				11	7.28	Spargel DEMO	1					12	7.88	2 Spargel DEMO	1
				12	7.88	Spargel DEMO	1					13	8.4	3 lavendel DEMO	3
				13	8.6	lavendel DEMO MODE	3					14	8.55	DEMOMODE	1
				14	8.75	Faulig DEMO MODE	1								
2	8.98	süß	2	9	8.88	muffig DEMO MODE	2					15	8.98	5 muffig DEMO MODE	2
3	9.18	buttrig	3	15	8.98	muffig DEMO MODE	2					16	9.55	6 holzig DEMO	4
				16	9.85	holzlig DEMO MODE	4					17	10.68	7 pargel DEMO	1
				17	10.18	Spargel DEMO	1					18	10.88	8 Spargel DEMO	1
				18	10.38	Spargel DEMO	1					19	11.1	9 lavendel DEMO	3
				19	11	lavendel DEMO	3					20	11.55	0 Faulig DEMO	1
4	11.68	süßlich	2	20	11.35	Faulig DEMO MODE	1					21	12.58	1 muffig DEMO	2
5	12.18	UHU LM	4	21	12.08	muffig DEMO MODE	2					22	13.75	2 holzig DEMO	
				22	13.05	holzlig DEMO MODE	4					23	14.38	3 Spargel DEMO	1
6	13.43	UHU LM	2	23	14.08	Spargel DEMO	1					24	14.88	4 Spargel DEMO	1
				24	14.88	Spargel DEMO	1								
7	17.1	süßlich Klebstoff	4												
8	17.68	süßlich Klebstoff	2												
9	17.85	erdig Kakao	2												
10	19.63	süß LM	1												
11	20.36	rostig	1												
12	22.31	fruchtig Orange	5												
13	22.98	pilzig	5												
14	23.55	süß	1												

peaks with the same RT are marked in red

export of the results as CSV file for Excel

Time frame for peak comparison