

# results sample 1

participant number	Acetaldehyde		Formaldehyde		Propionaldehyde		Acrolein result (mg / m <sup>3</sup> )
	result (mg / m <sup>3</sup> )	z  - score	result (mg / m <sup>3</sup> )	z  - score	result (mg / m <sup>3</sup> )	z  - score	
34*	0,241	2,4	0,163	2,7	0,312	5,0	0,078
50	0,183	0,6	0,122	0,5	0,250	2,0	k.A.
95*	0,208	0,7	0,145	1,3	0,219	0,5	0,008
107*	0,179	0,8	0,106	1,7	0,190	0,9	k.A.
111*	0,183	0,6	0,123	0,4	0,220	0,6	0,010
135*	0,200	0,3	0,13	0,1	0,260	2,5	k.A.
150*	0,179	0,8	0,118	0,8	0,187	1,0	0,049
153	0,189	0,3	0,119	0,7	0,184	1,2	k.A.
155	0,182	0,7	0,124	0,3	0,197	0,5	0,007
159*	0,176	1,0	0,124	0,3	0,203	0,3	0,086
182	0,187	0,4	0,113	1,2	0,200	0,4	k.A.
203	0,198	0,2	0,122	0,5	0,203	0,3	k.A.
208	0,180	0,8	0,107	1,7	0,197	0,6	0,052
221*	0,253	3,0	0,167	3,0	0,348	6,7	0,046
271*	0,188	0,3	0,142	1,1	0,201	0,4	0,053

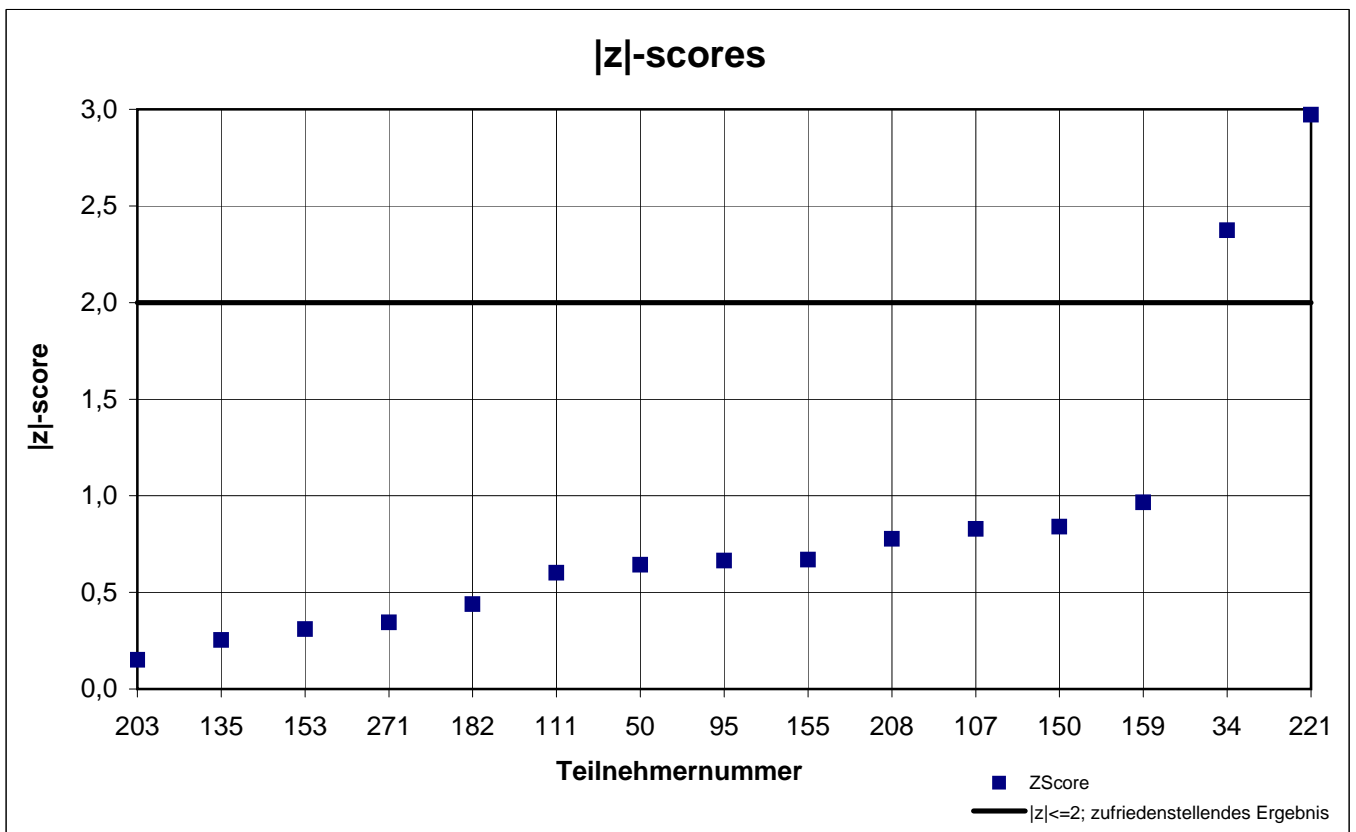
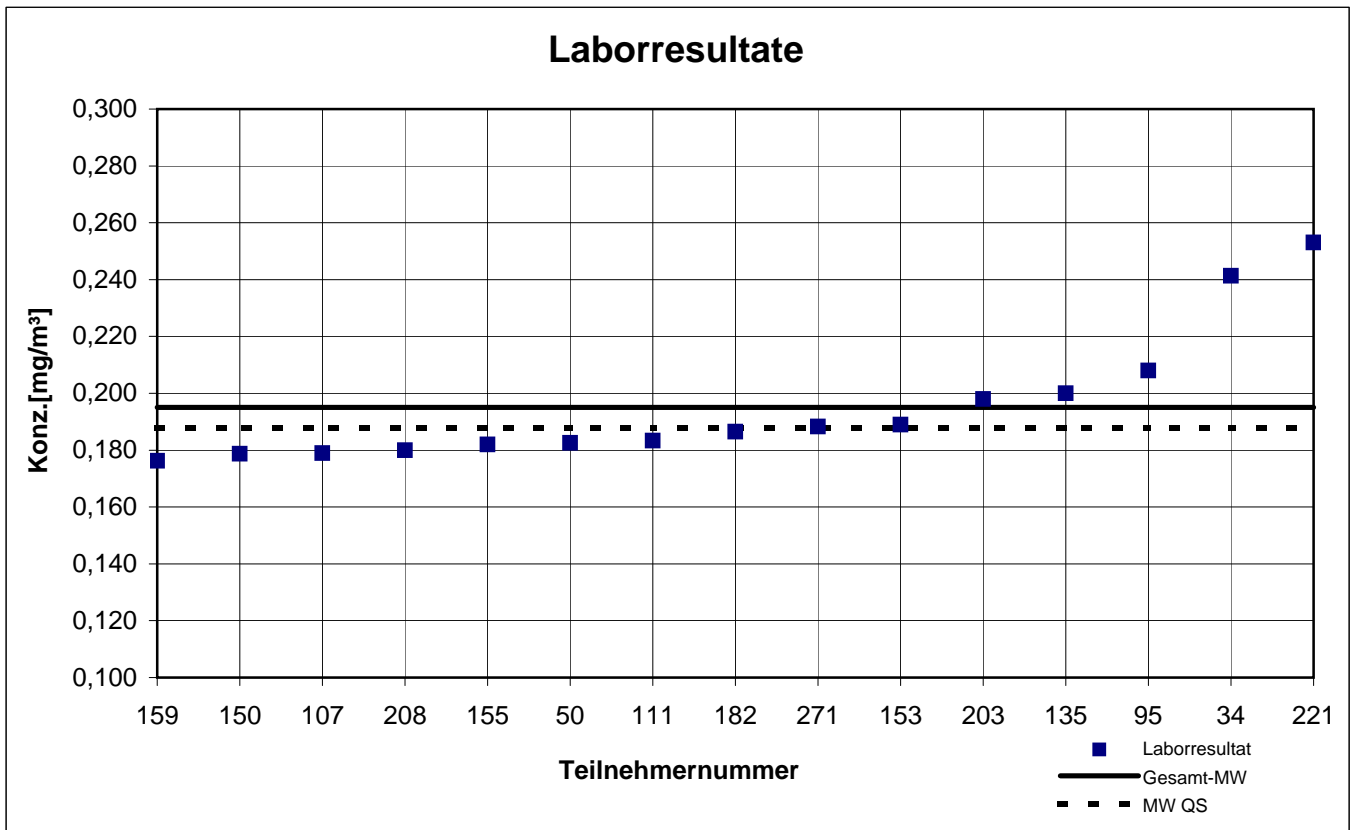
marked  fields are outliers

\* on site sampling

	Acet- aldehyde	Form- aldehyde	Propion- aldehyde	Acrolein
mean $c_k$ [mg / m <sup>3</sup> ]	0,195	0,128	0,208	
standard deviation $S_k$ [mg / m <sup>3</sup> ]	0,023	0,018	0,023	
rel. standard deviation [%]	11,82	14,18	11,16	
mean value of control samples	0,188	0,127	0,186	0,072

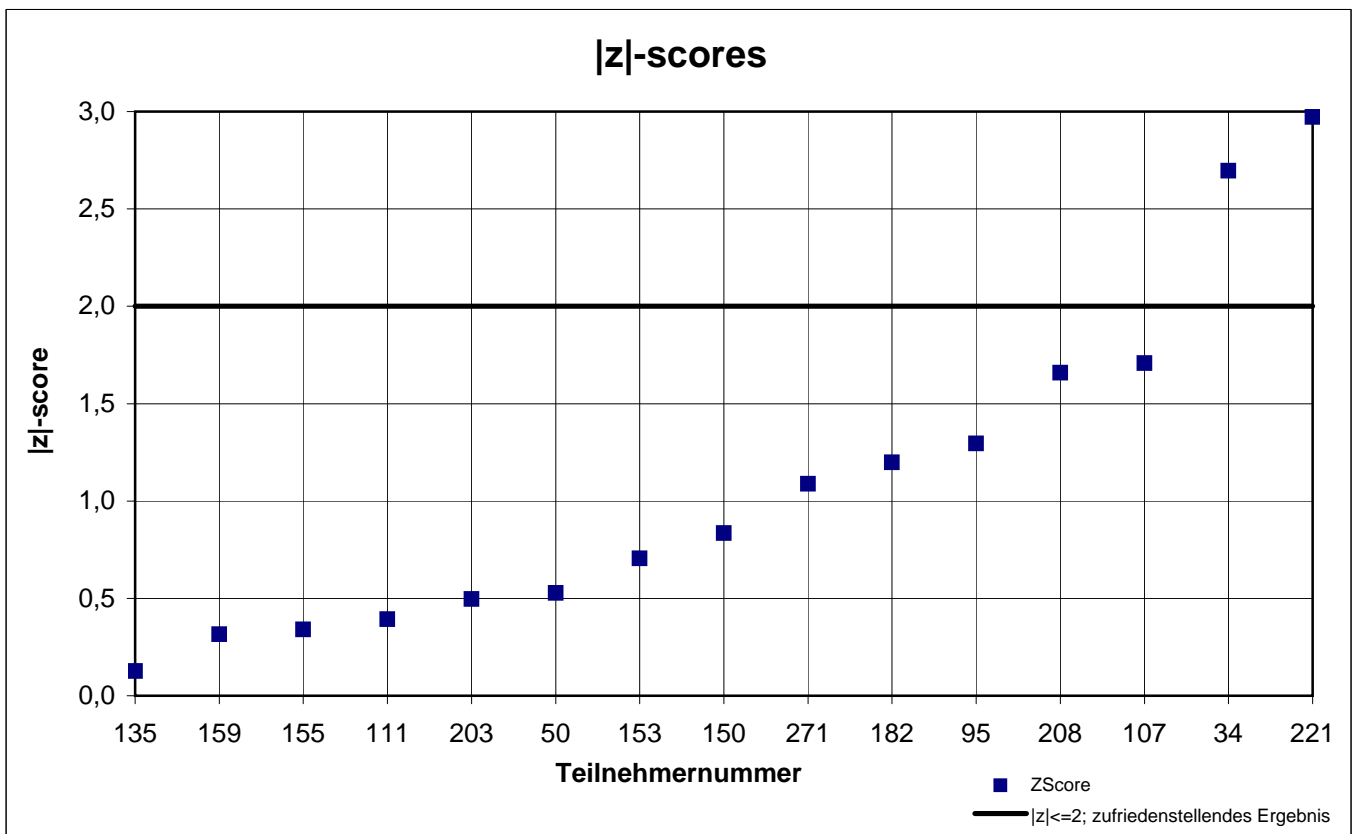
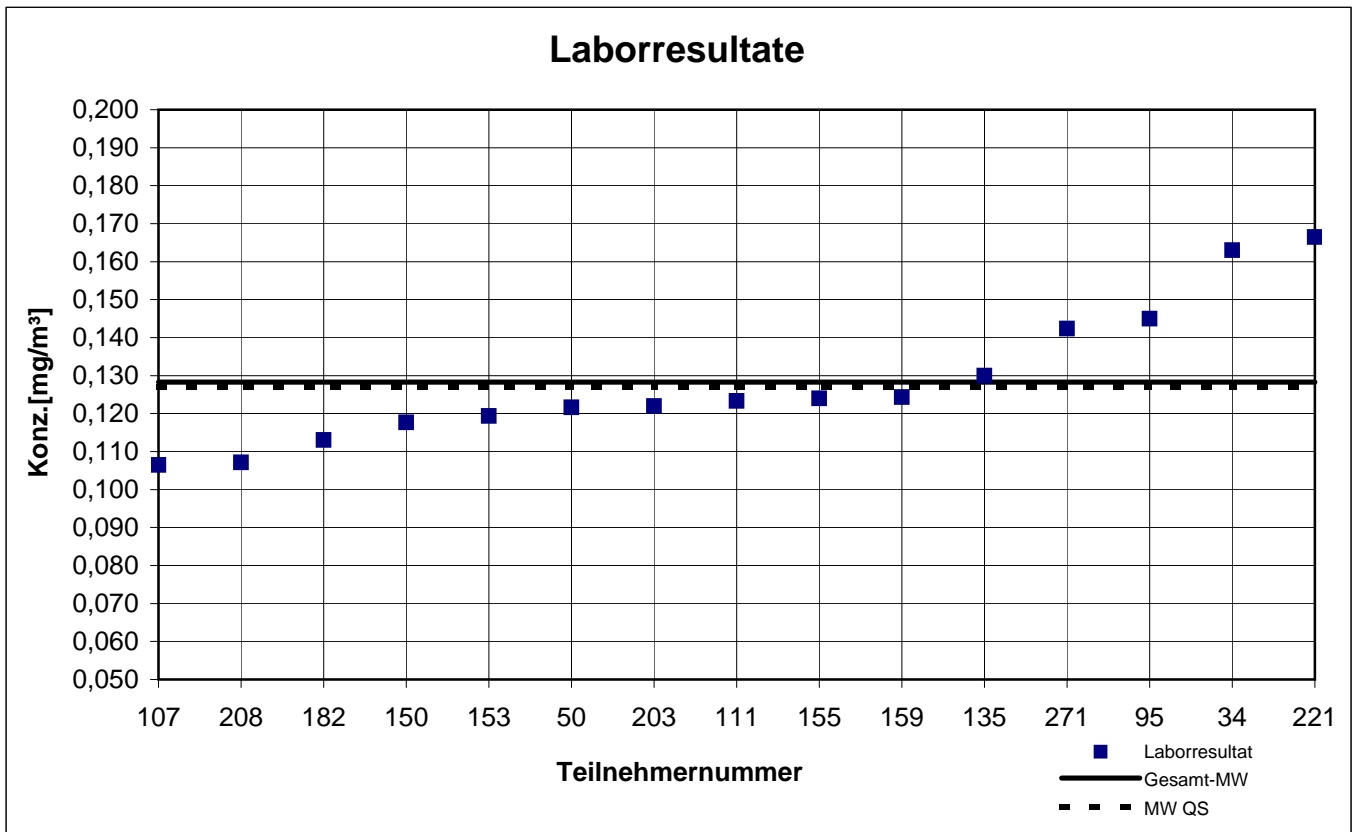
# Probe 1

## Acetaldehyd



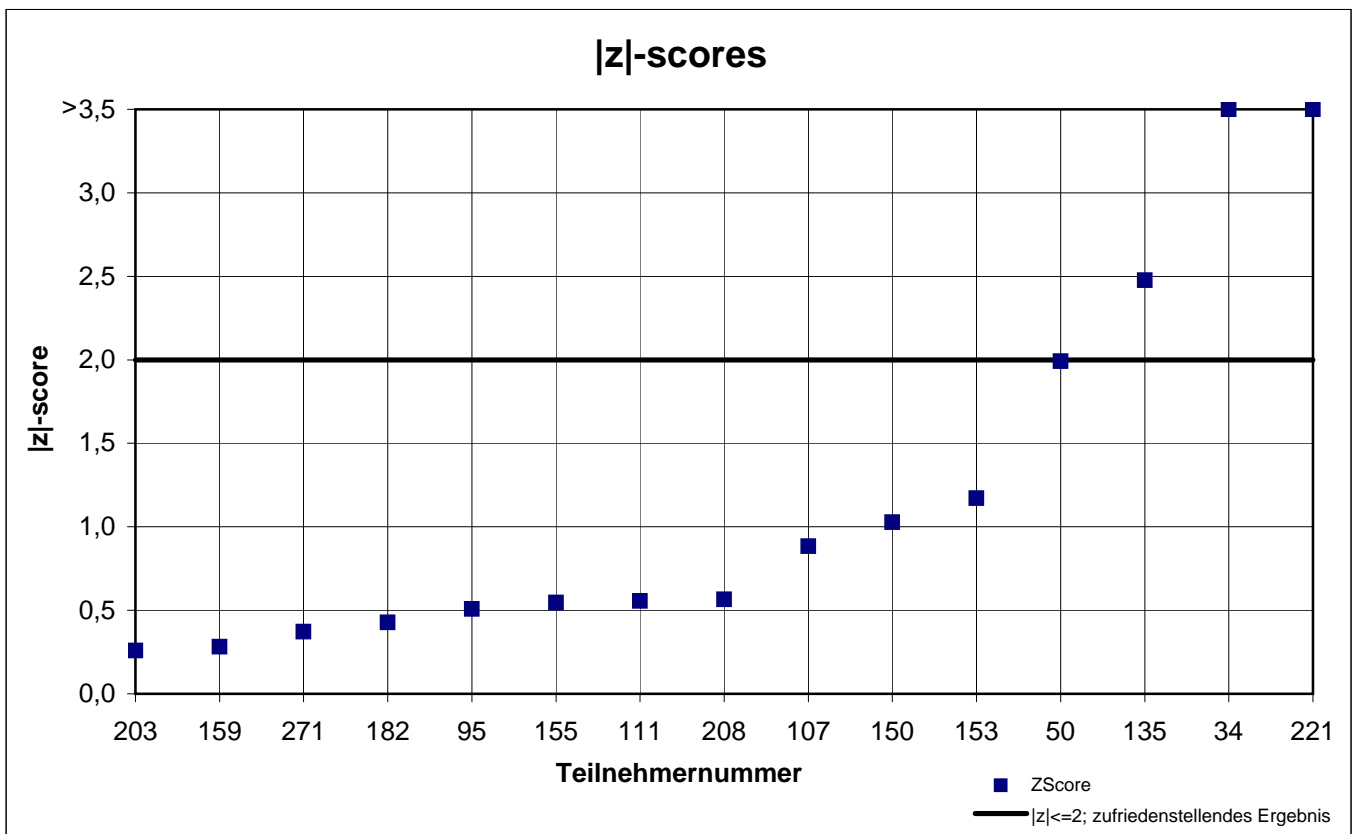
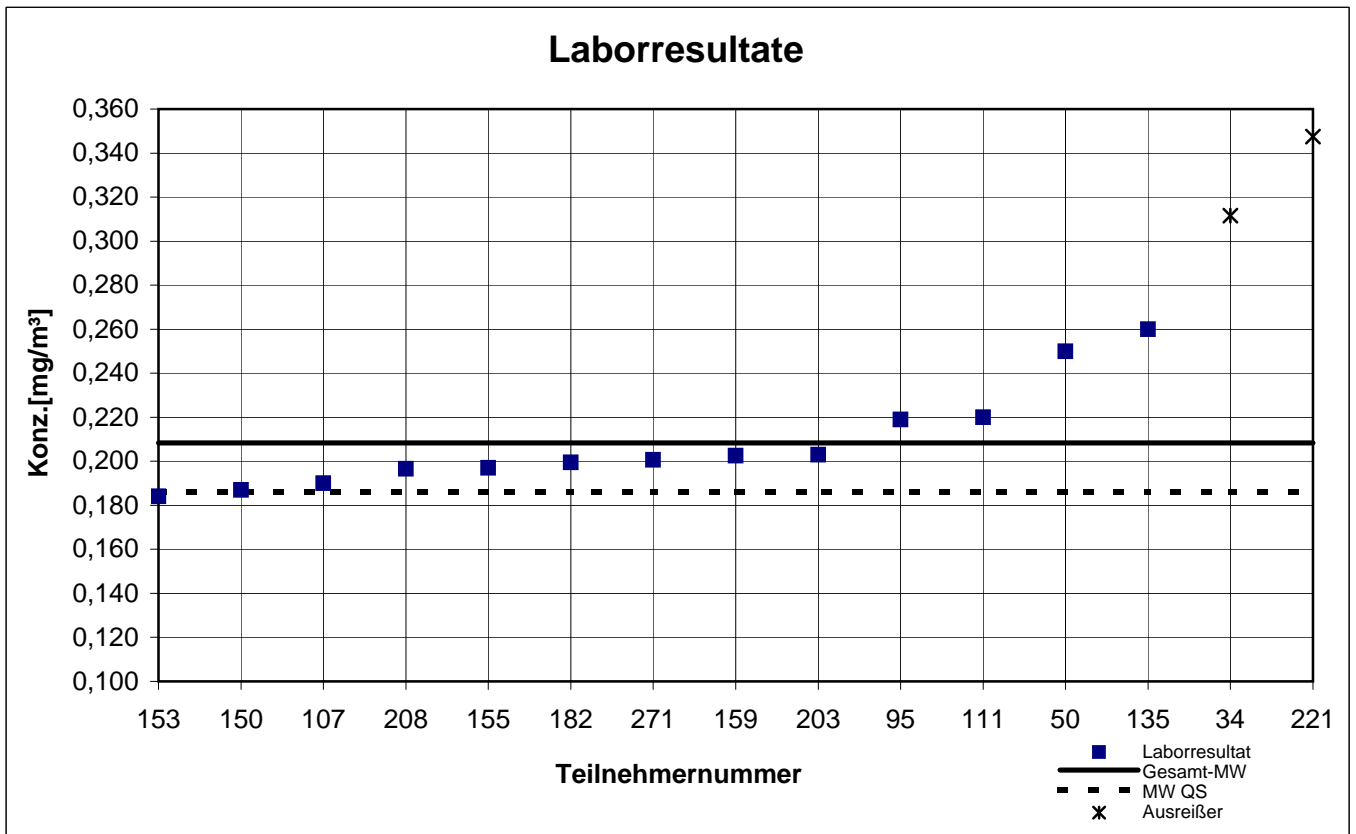
# Probe 1

## Formaldehyd



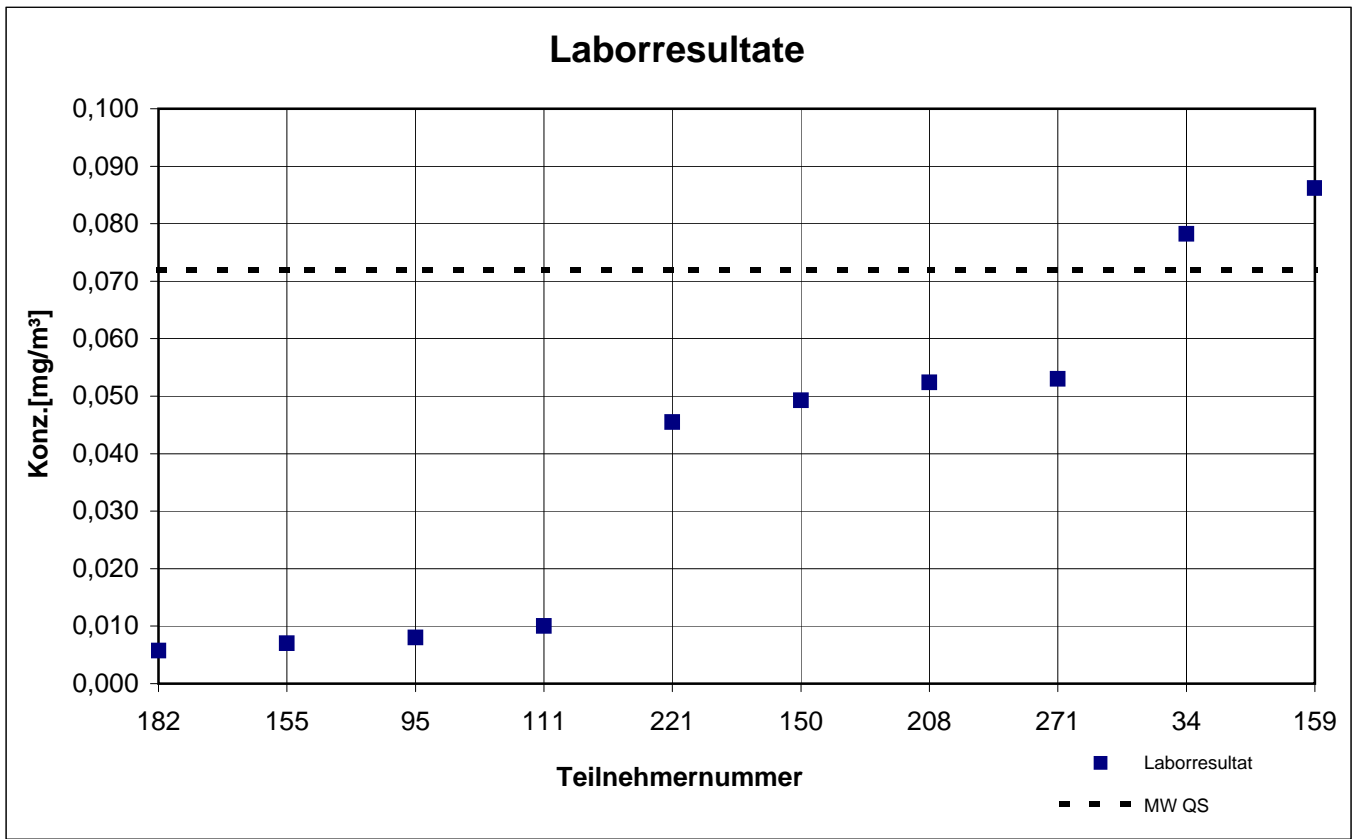
# Probe 1

## Propionaldehyd



# Probe 1

## Acrolein



keine z-score-Auswertung

## results sample 2

participant number	Acetaldehyde		Formaldehyde		Propionaldehyde		Acrolein
	result (mg / m <sup>3</sup> )	z  - score	result (mg / m <sup>3</sup> )	z  - score	result (mg / m <sup>3</sup> )	z  - score	result (mg / m <sup>3</sup> )
34*	0,677	2,9	0,065	2,9	0,734	4,6	0,053
50	0,499	0,5	0,051	0,1	0,498	0,1	k.A.
95*	0,582	1,1	0,058	1,5	0,542	0,8	0,009
107*	0,484	0,8	0,044	1,2	0,507	0,0	k.A.
111*	0,550	0,5	0,050	0,1	0,553	1,0	0,010
135*	0,575	1,0	0,053	0,5	0,605	2,0	k.A.
150*	0,517	0,1	0,046	0,8	0,495	0,2	0,031
153	0,523	0,0	0,050	0,1	0,496	0,2	0,023
155	0,365	3,0	0,034	3,3	0,359	2,9	0,002
159*	0,490	0,7	0,046	0,9	0,512	0,2	0,040
182	0,500	0,5	0,044	1,3	0,495	0,2	0,004
203	0,536	0,2	0,051	0,1	0,486	0,4	k.A.
208	0,524	0,0	0,047	0,8	0,486	0,4	0,043
221*	0,741	4,1	0,063	2,5	0,771	5,3	0,031
271*	0,527	0,0	0,054	0,7	0,516	0,2	0,044

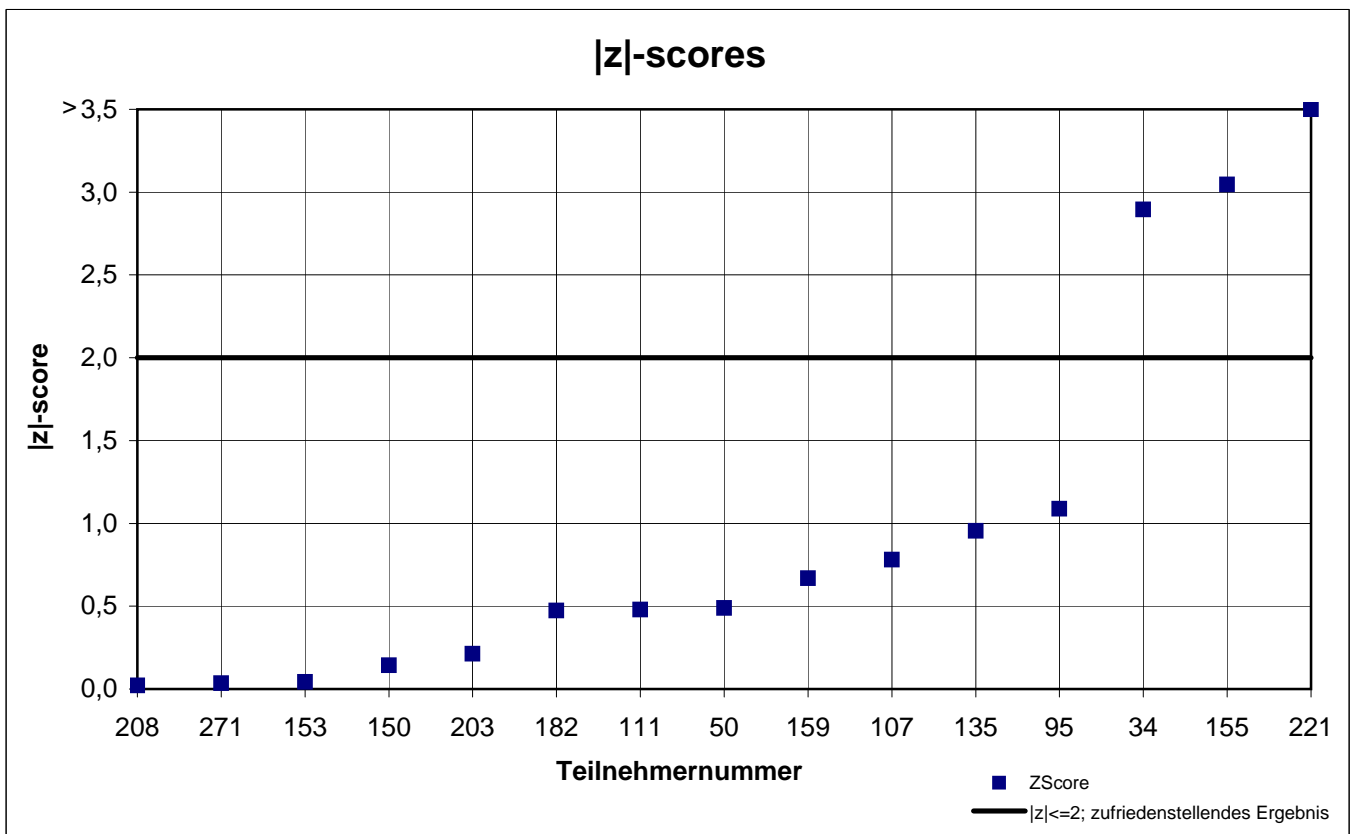
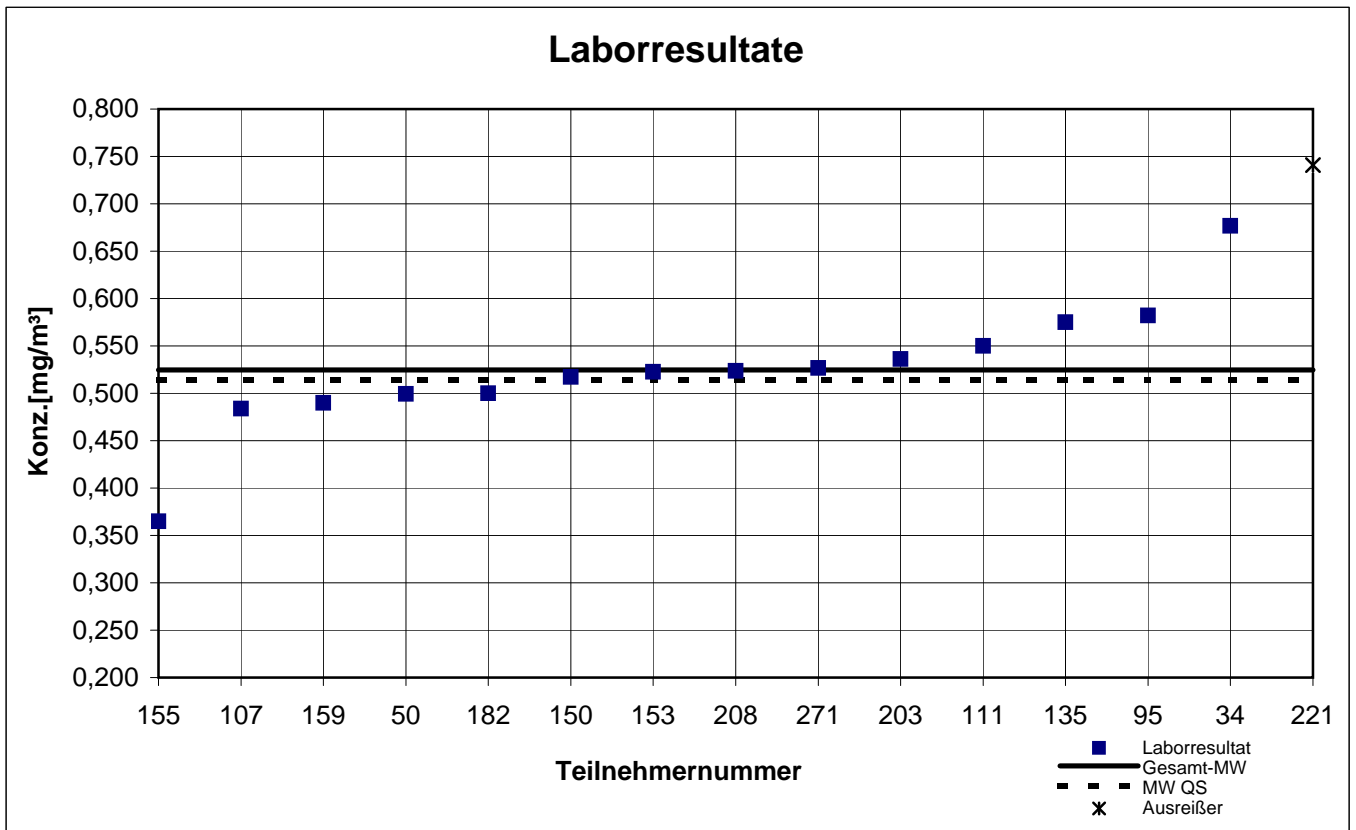
marked  fields are outliers

\* on site sampling

	Acet- aldehyde	Form- aldehyde	Propion- aldehyde	Acrolein
mean $c_k$ [mg / m <sup>3</sup> ]	0,525	0,050	0,504	
standard deviation $S_k$ [mg / m <sup>3</sup> ]	0,068	0,008	0,055	
rel. standard deviation [%]	12,88	15,44	10,91	
mean value of control samples	0,514	0,048	0,466	0,043

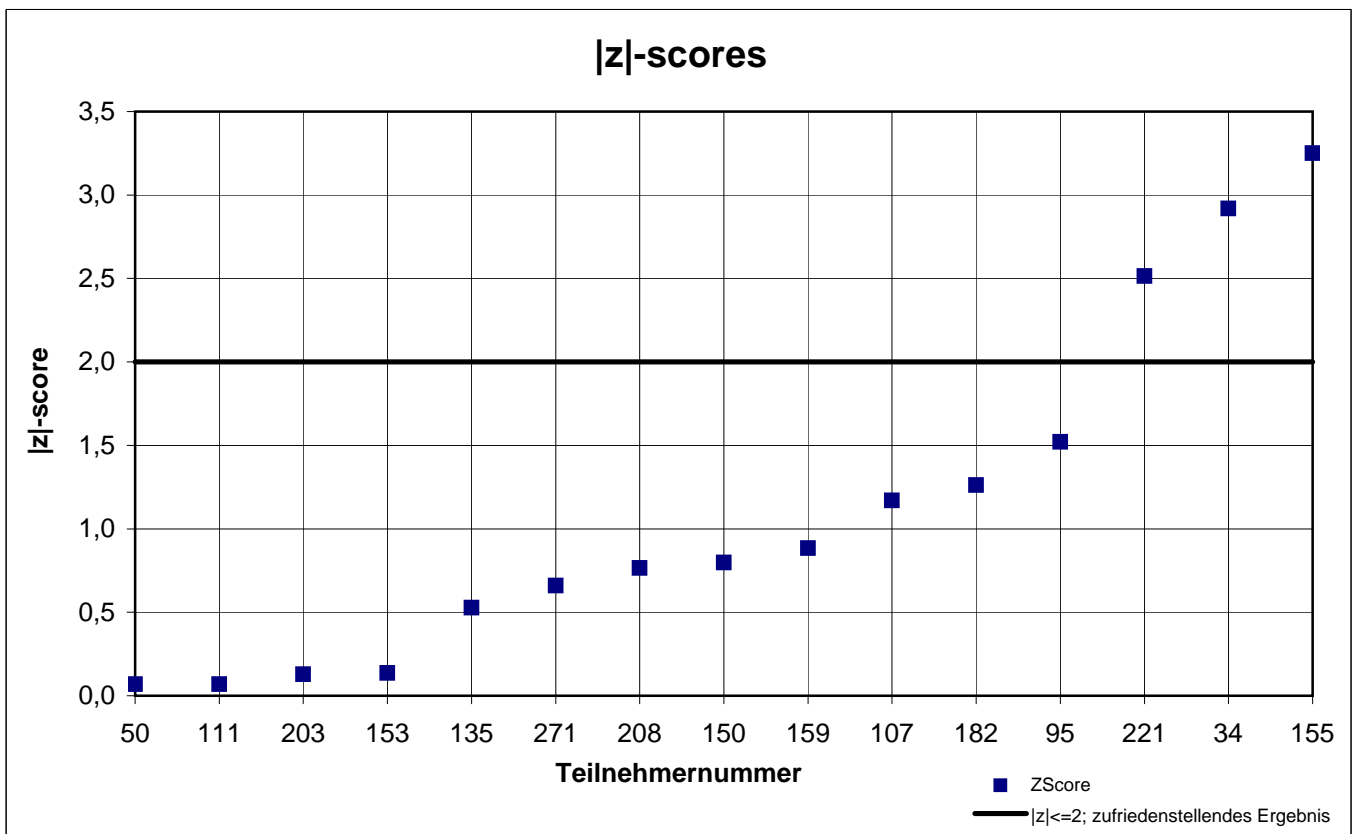
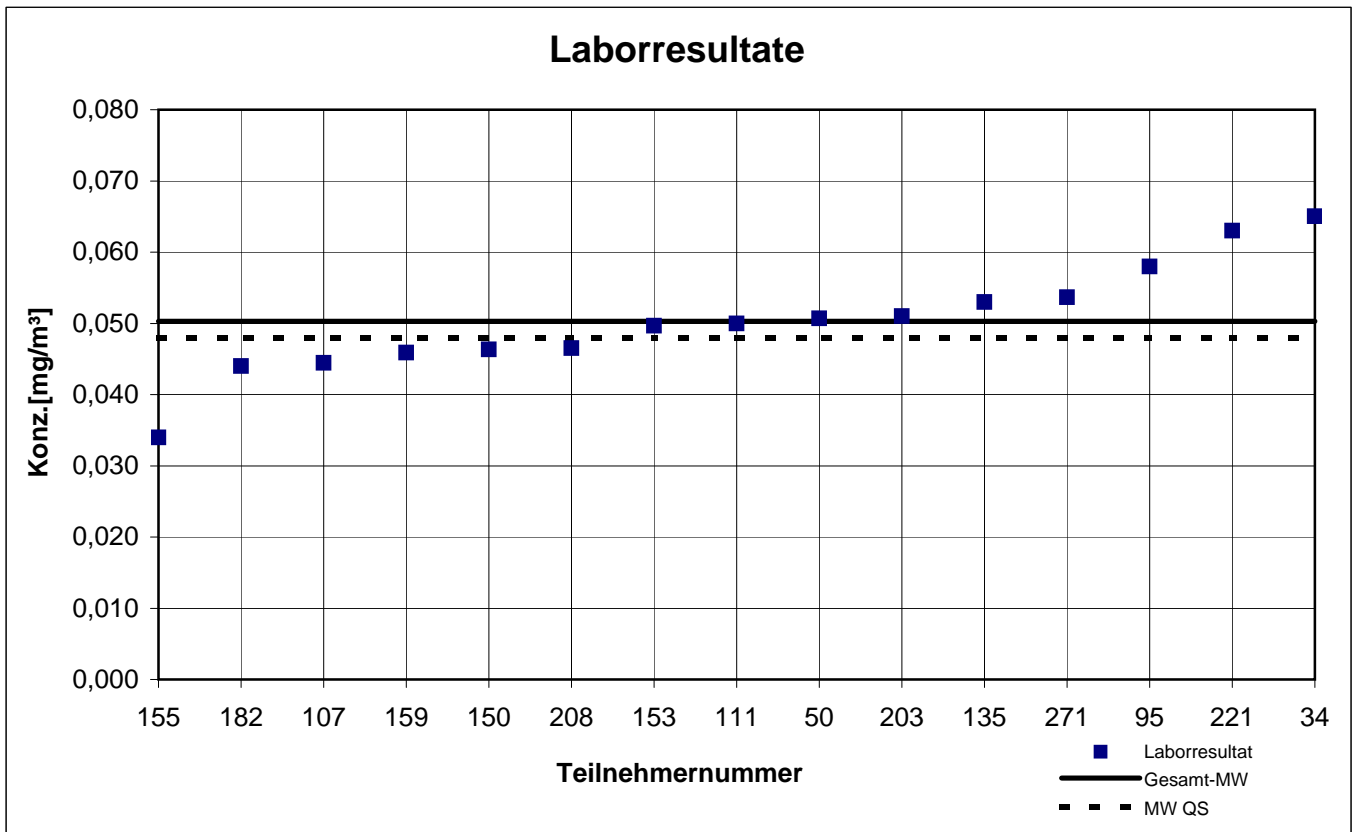
# Probe 2

## Acetaldehyd



# Probe 2

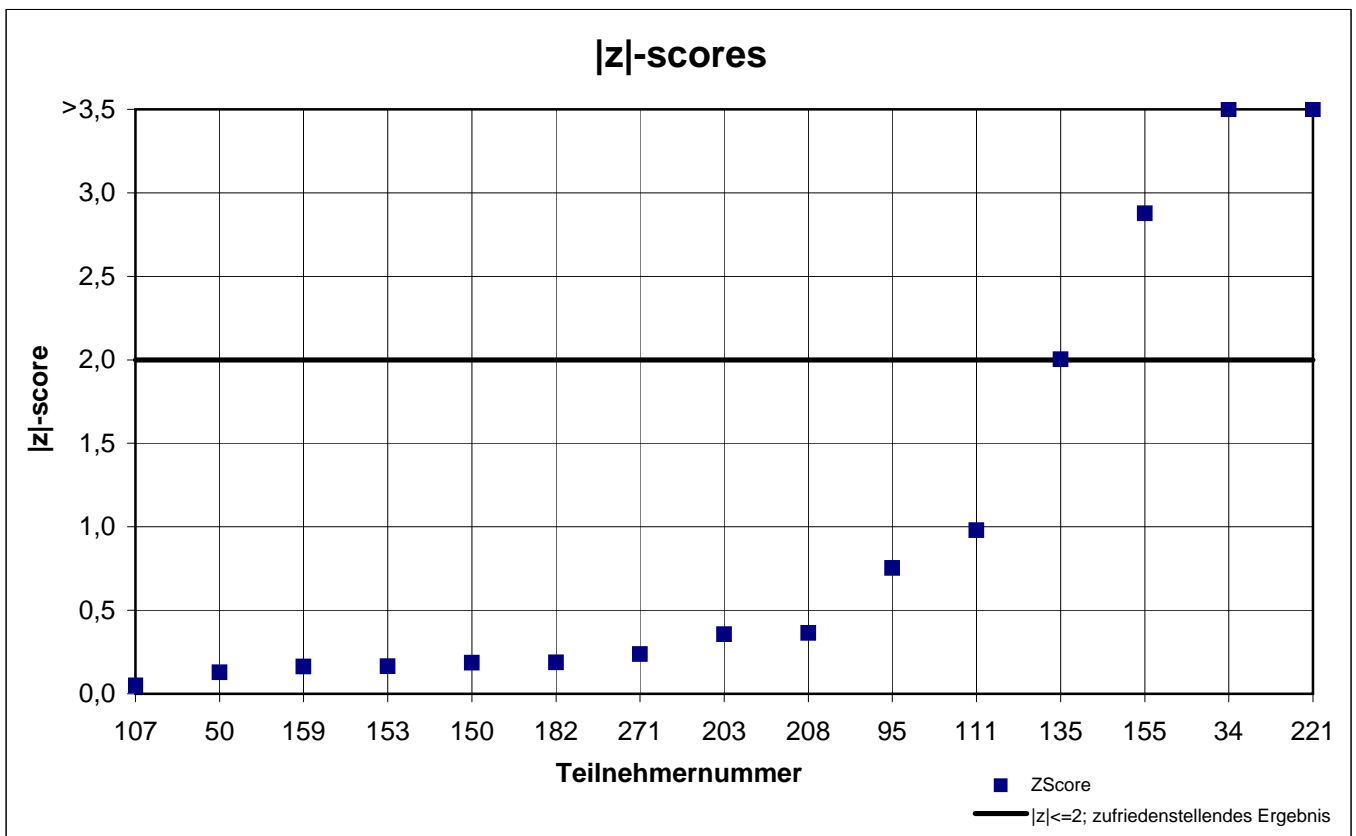
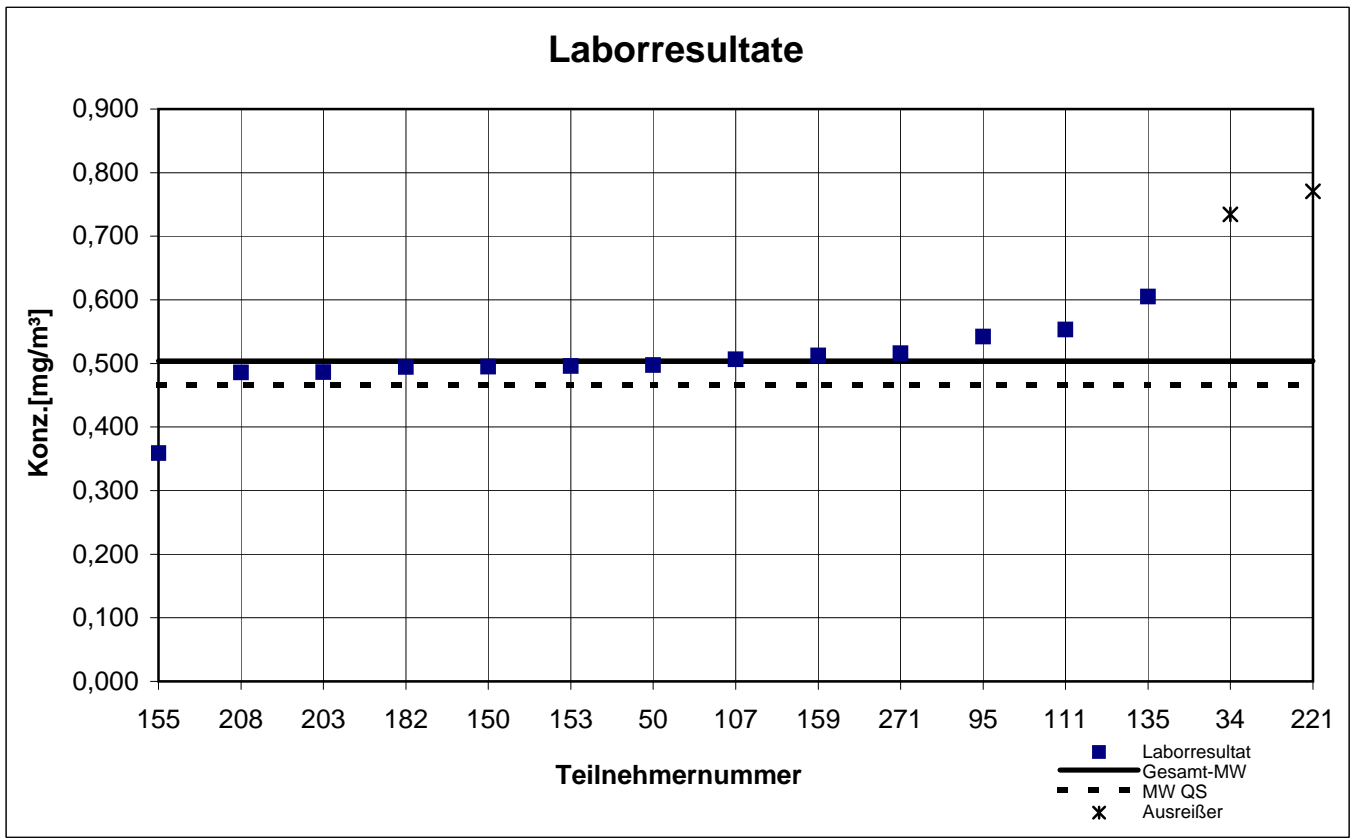
## Formaldehyd





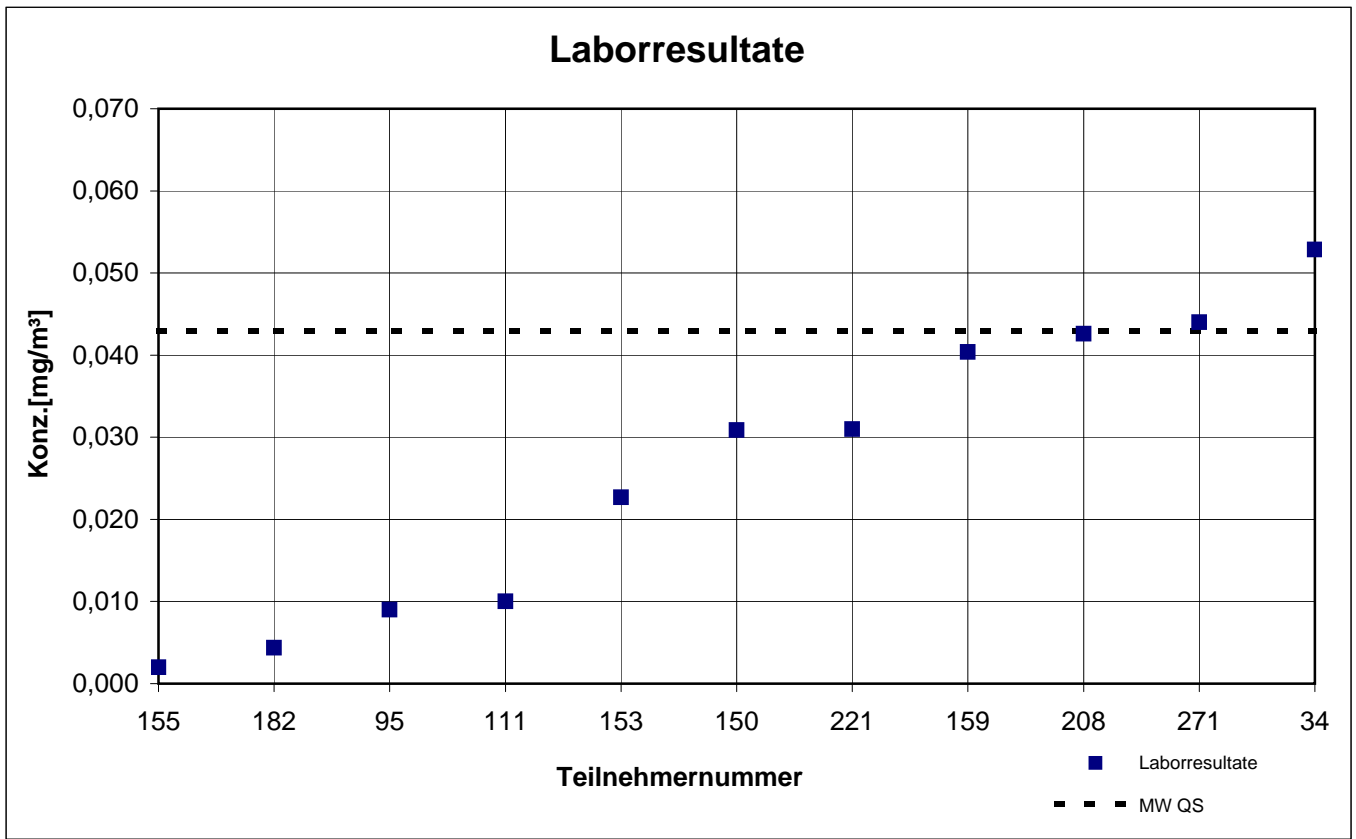
# Probe 2

## Propionaldehyd



# Probe 2

## Acrolein



keine z-score-Auswertung

## results sample 3

participant number	Acetaldehyde		Formaldehyde		Propionaldehyde		Acrolein
	result (mg / m <sup>3</sup> )	z  - score	result (mg / m <sup>3</sup> )	z  - score	result (mg / m <sup>3</sup> )	z  - score	result (mg / m <sup>3</sup> )
34*	1,321	2,4	0,099	3,1	1,500	4,8	0,069
50	1,041	0,2	0,074	0,2	0,996	0,2	k.A.
95*	1,174	1,0	0,084	1,1	1,100	0,9	0,024
107*	0,978	0,8	0,064	1,6	1,007	0,1	k.A.
111*	1,043	0,2	0,073	0,3	1,003	0,1	0,010
135*	1,100	0,3	0,076	0,1	1,100	0,9	k.A.
150*	1,018	0,4	0,067	1,1	0,954	0,6	0,063
153	1,072	0,1	0,073	0,4	1,007	0,1	k.A.
155	0,986	0,7	0,070	0,7	0,940	0,7	0,006
159*	0,969	0,9	0,070	0,8	1,034	0,2	0,082
182	1,049	0,1	0,067	1,1	1,031	0,2	0,011
203	0,998	0,6	0,070	0,7	0,936	0,8	k.A.
208	1,027	0,3	0,069	0,8	0,981	0,3	0,069
221*	1,419	3,4	0,098	3,0	1,399	3,8	0,030
271*	1,109	0,4	0,080	0,6	1,076	0,6	0,076

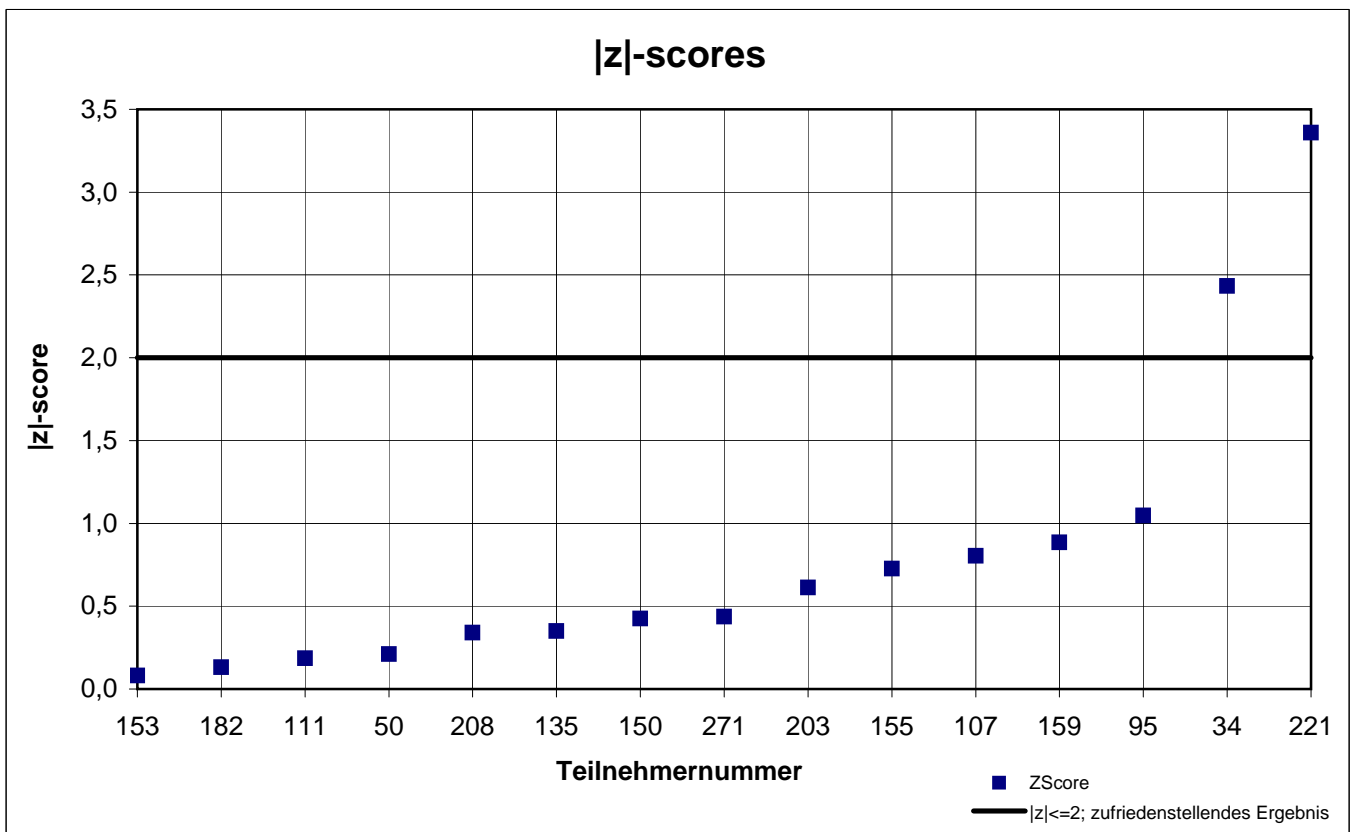
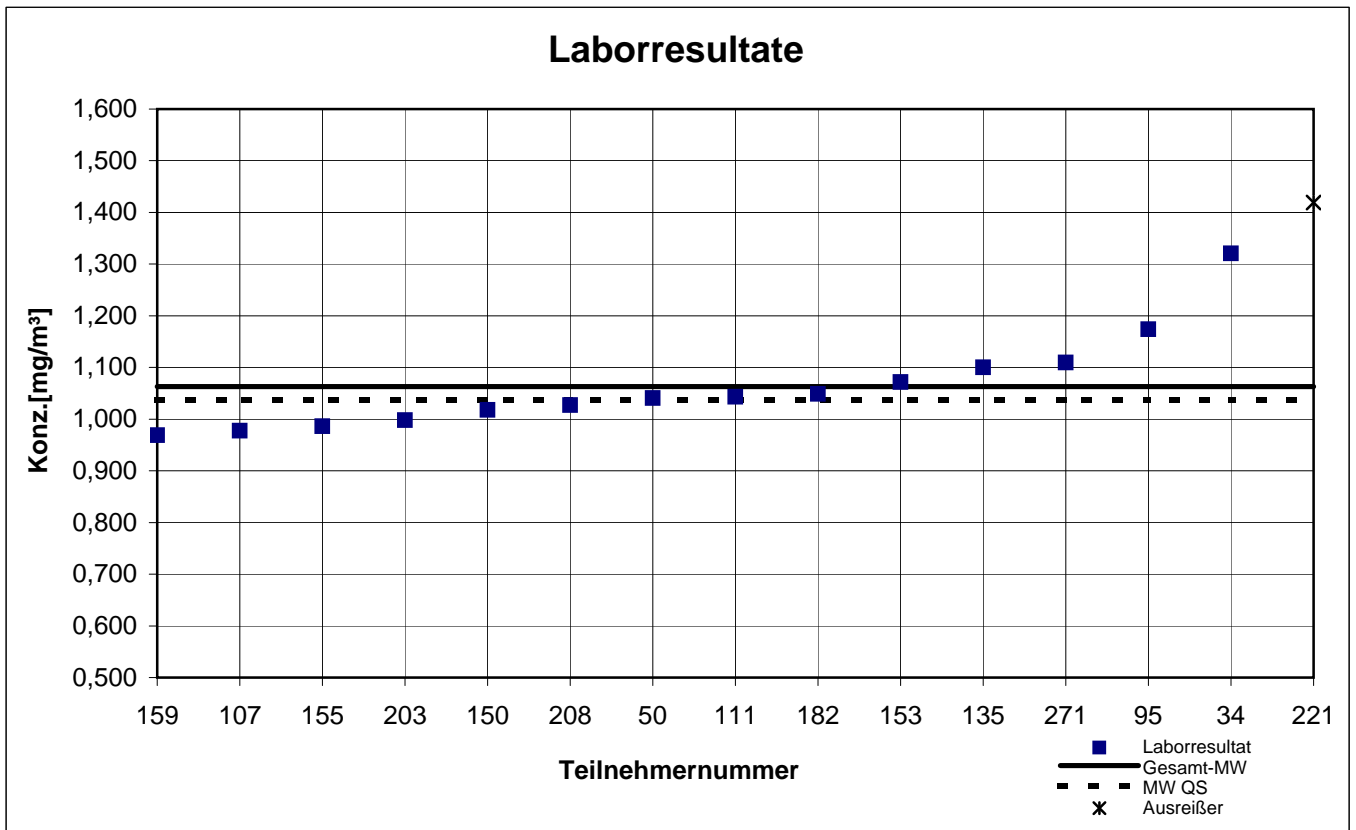
marked  fields are outliers

\* on site sampling

	Acet- aldehyde	Form- aldehyde	Propion- aldehyde	Acrolein
mean $c_k$ [mg / m <sup>3</sup> ]	1,063	0,076	1,013	
standard deviation $S_k$ [mg / m <sup>3</sup> ]	0,093	0,011	0,055	
rel. standard deviation [%]	8,77	14,03	5,42	
mean value of control samples	1,037	0,073	0,930	0,069

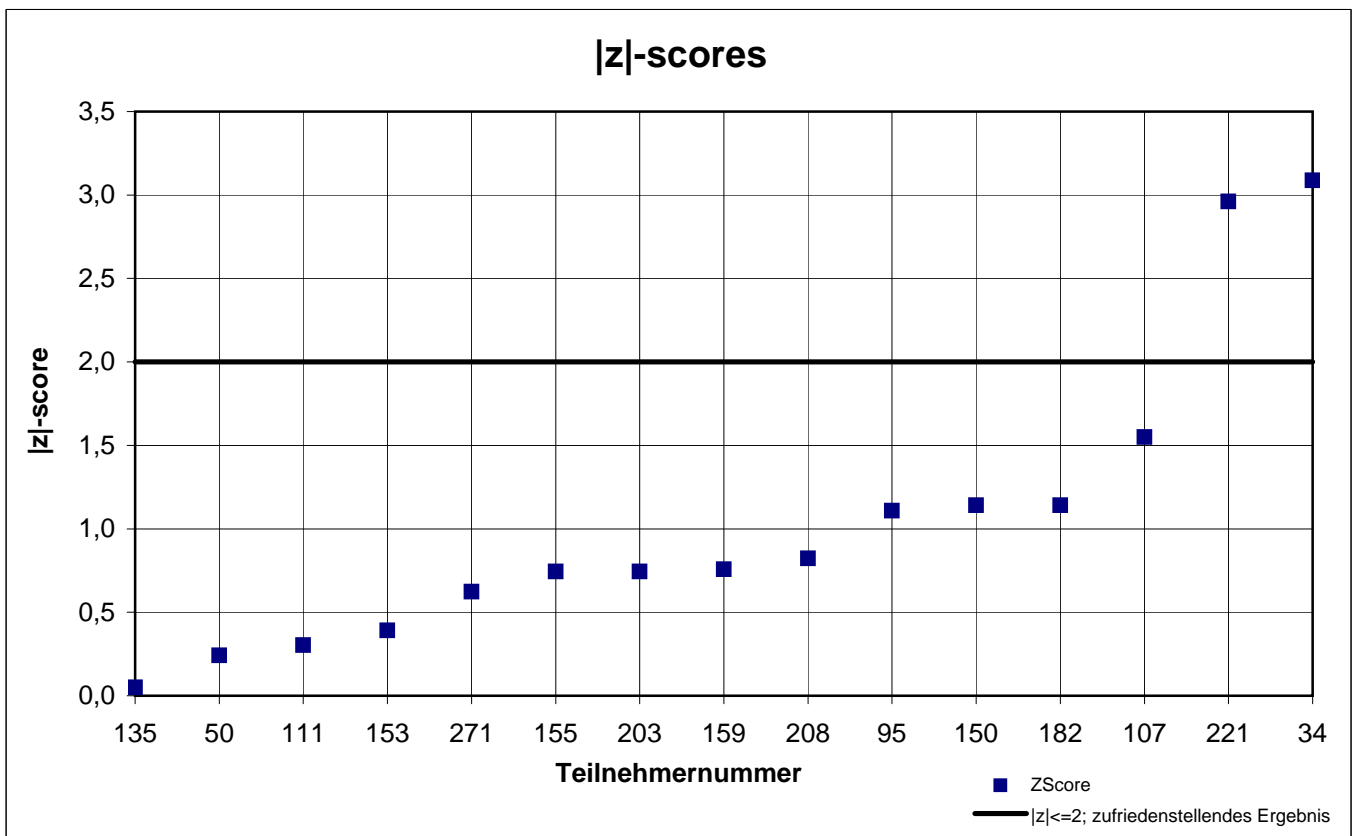
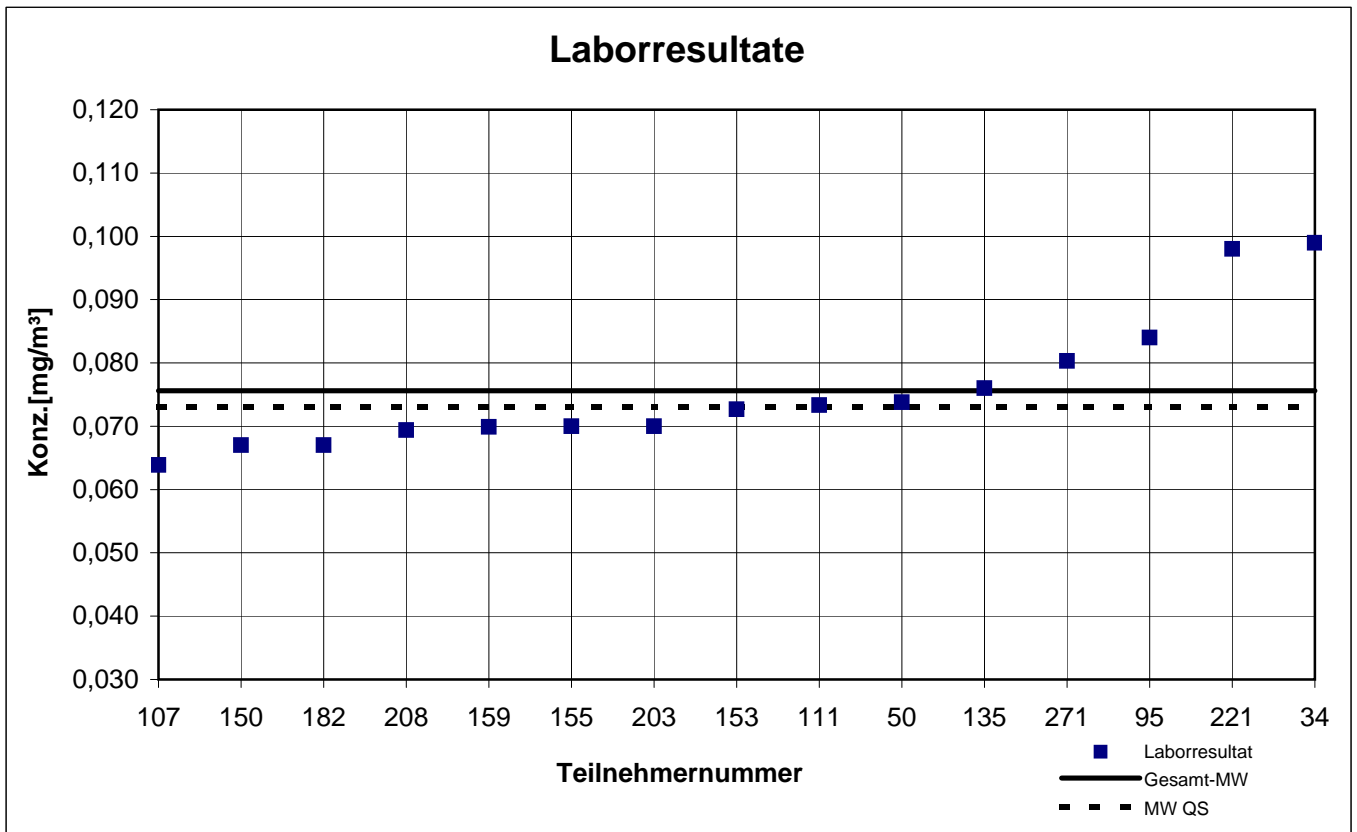
# Probe 3

## Acetaldehyd



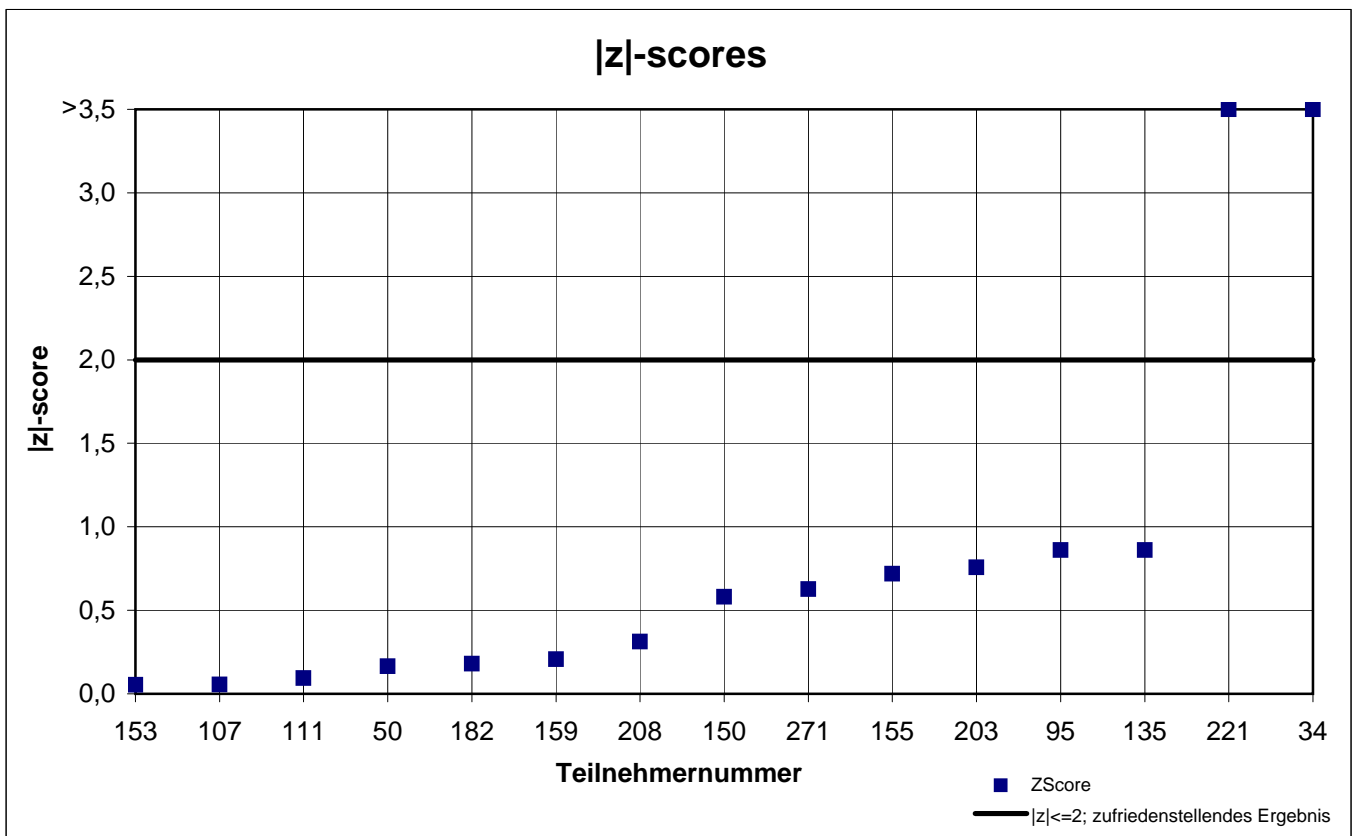
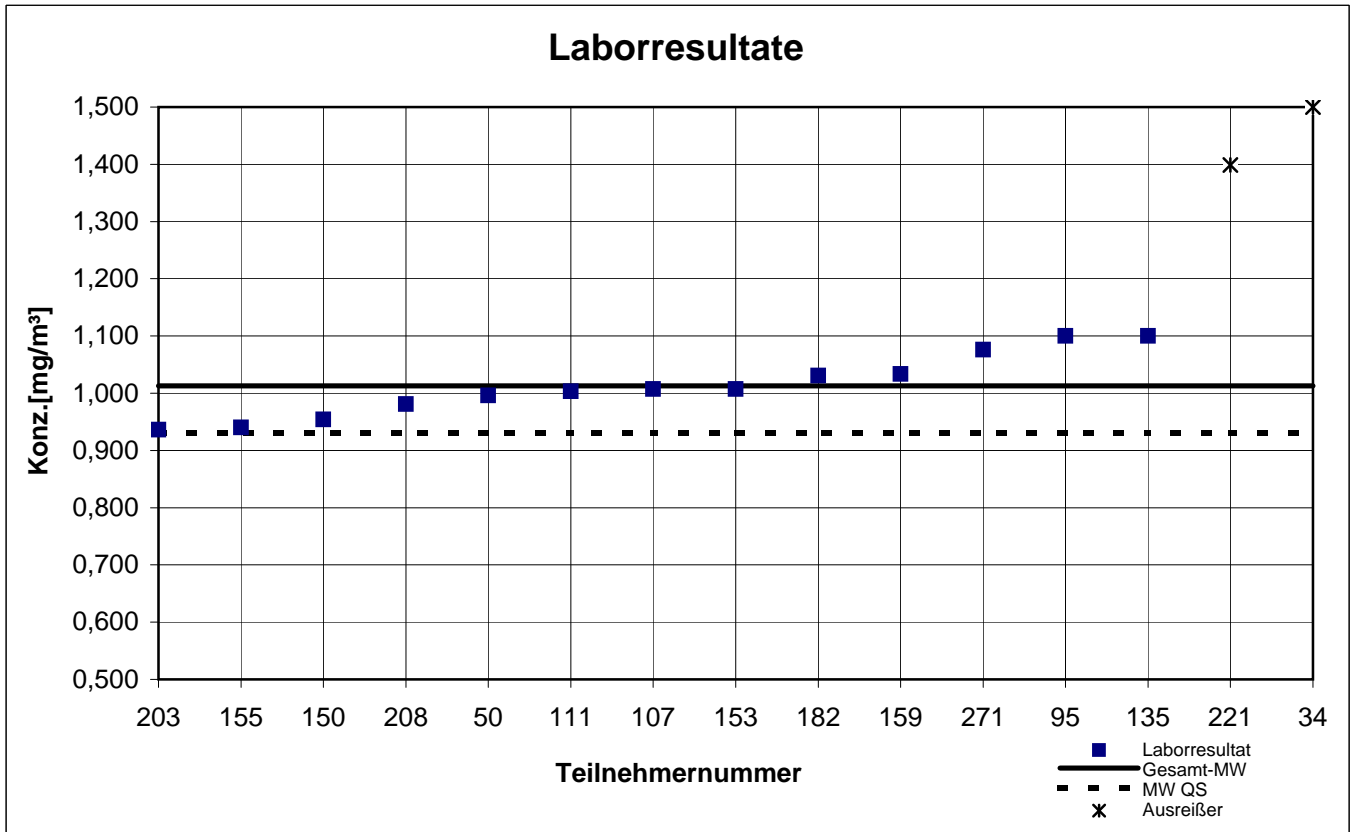
# Probe 3

## Formaldehyd



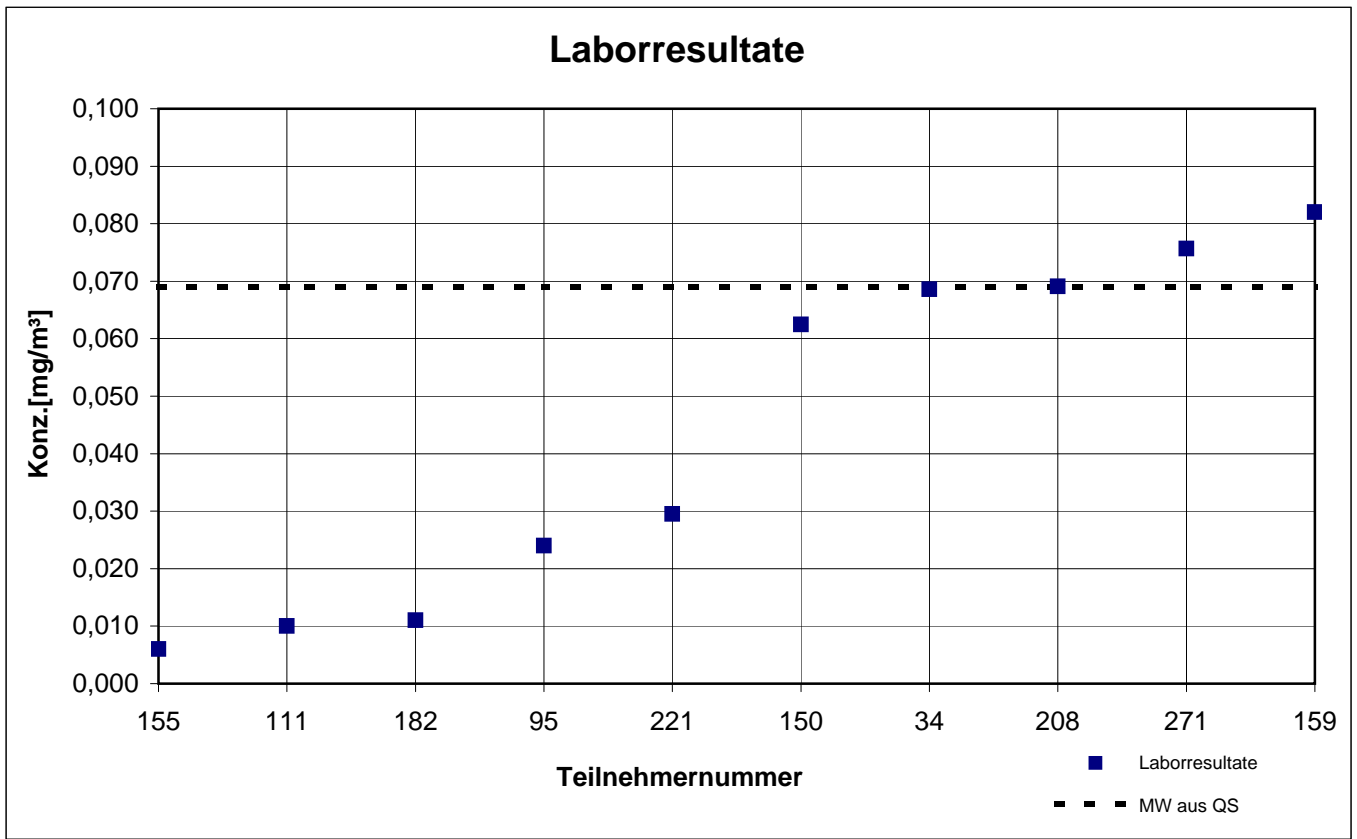
# Probe 3

## Propionaldehyd



# Probe 3

## Acrolein



**keine z-score-Auswertung**