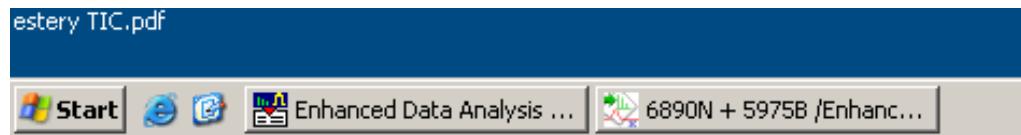


Software for GC/MS

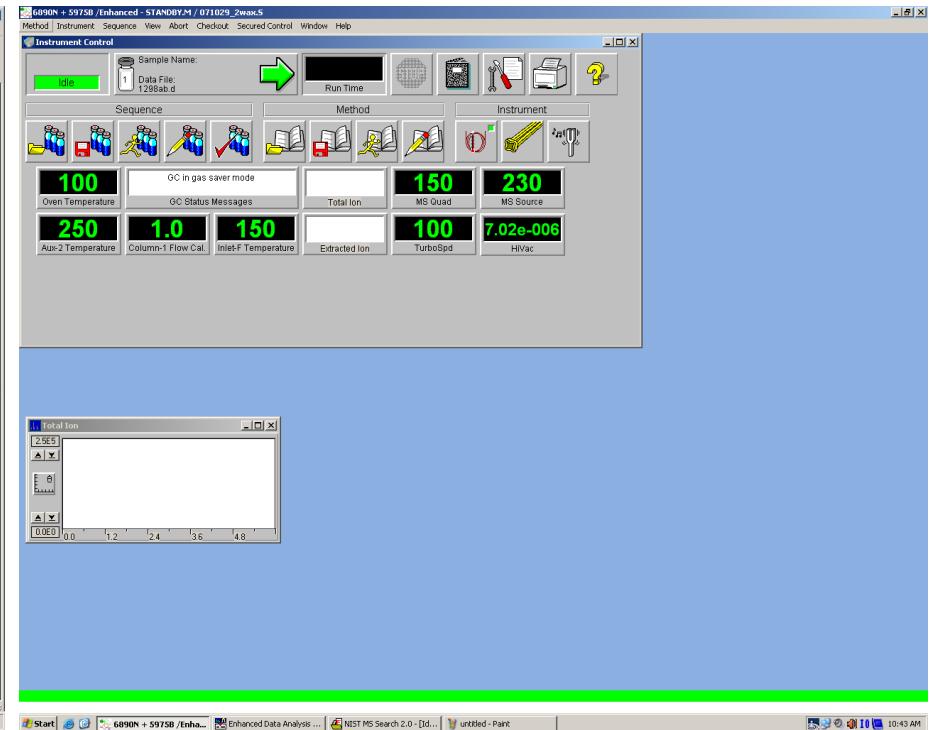
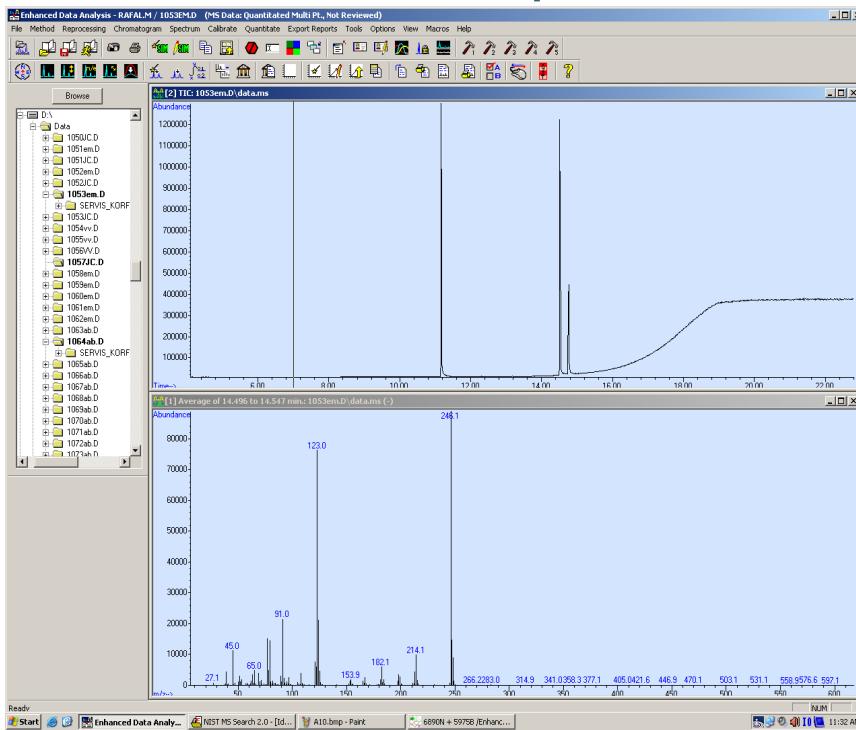


ChemStation



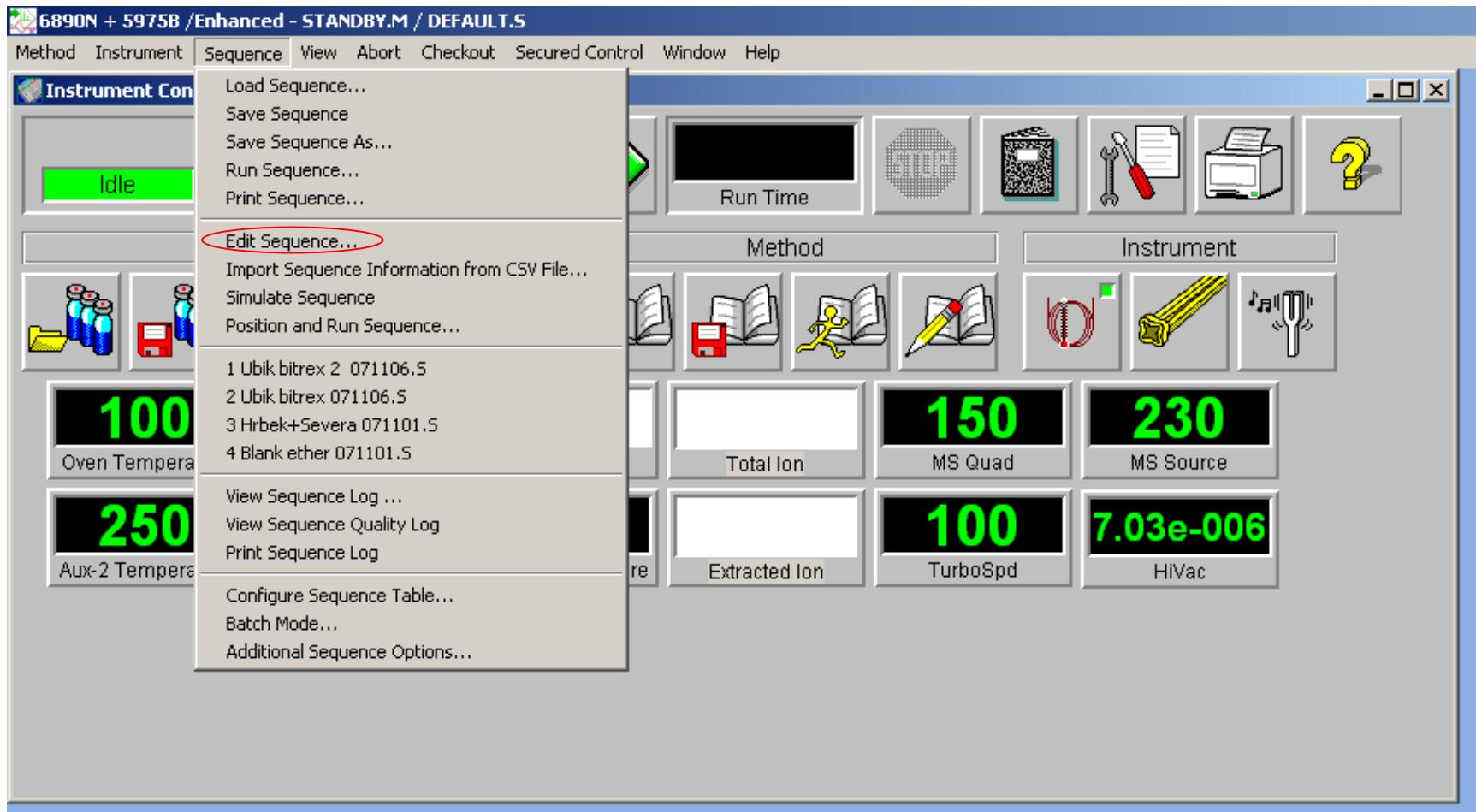
Interpretation

Measurement



Run measurement

6890N + 5975B → „Sequence“ → „Edit Sequence“



Sample Log Table

Sample Log Table

Data Path: D:\DATA

Method Path: C:\MSDCHEM\1\METHODS

	Type	Vial	Sample	Method / Keyword	Data File	Comment / KeywordString	Multiplier	Level	Update RF	Update RT	Update GI	Up
1	Blank	1	Hexan	WAX_EST2	NC1275		1.00000	No Update	No Update	No Update	No Update	No Up
2	Sample	2	14:0,18:1	WAX_EST2	NC1276	WAX 1	1.00000	No Update	No Update	No Update	No Update	No Up
3	Sample	3	18:1,16:1	WAX_EST2	NC1277	WAX 2	1.00000	No Update	No Update	No Update	No Update	No Up
4	Sample	4	18:1,14:1	WAX_EST2	NC1278	WAX 3	1.00000	No Update	No Update	No Update	No Update	No Up
5												
6												
7												
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9												
10												
11												
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35												

Sheet1

Read Barcode

Overwrite previous sequence

Sample Log Table

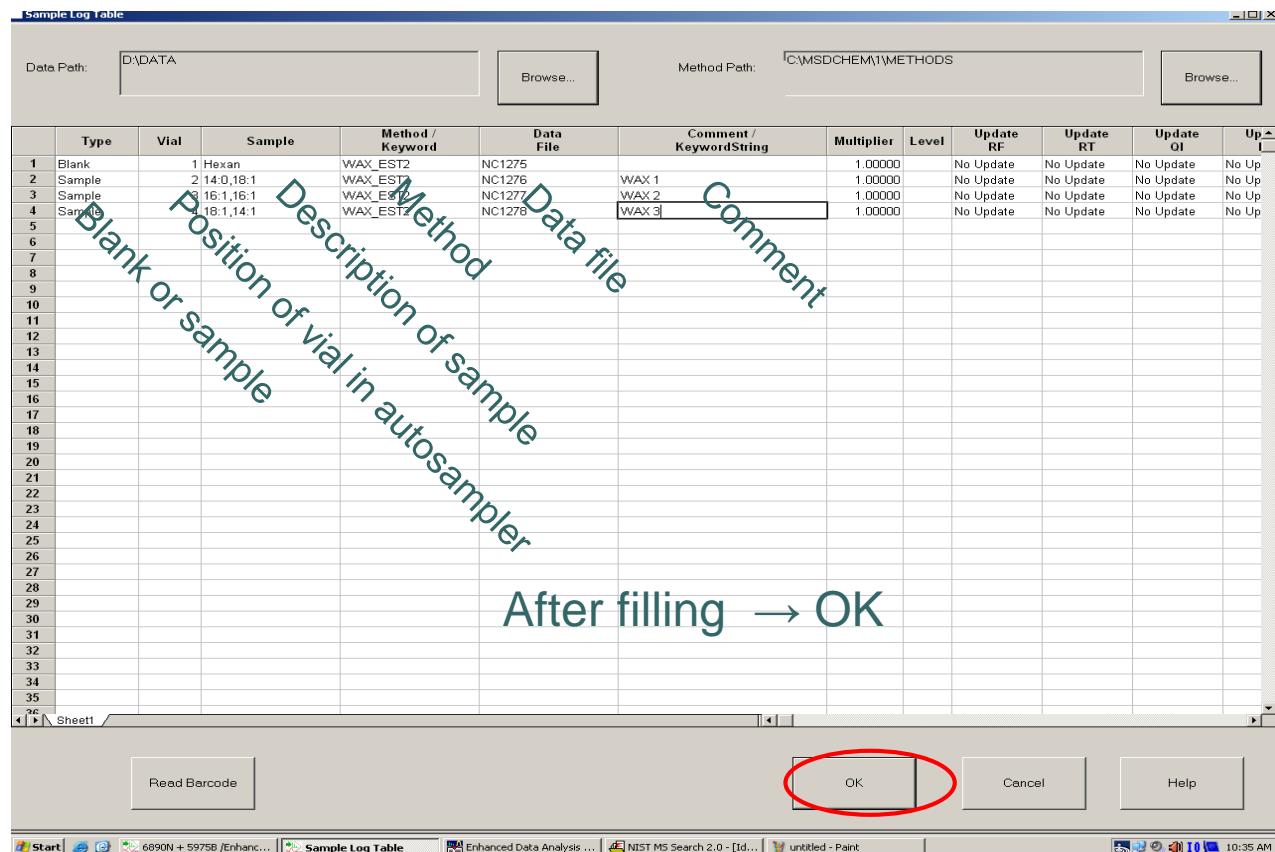
Data Path: D:\DATA

	Type	Vial	Sample	Method Key
1	Blank	1	Hexan	WAX_EST
2	Sample	2	14:0,18:1	WAX_EST
3	Sample	2	16:1,16:1	WAX_EST
			18:1,14:1	WAX_EST
13				
14				
15				
16				

A context menu is open over the second row of the table, showing options: Copy, Cut, Paste, Insert Row, Delete Rows, Fill Column & increment, Fill Column, NO increment, Repeat Row & increment, and Repeat Row, NO increment. The "Delete Rows" option is highlighted with a red circle.

Mark rows by mouse
→ right click
→ „Delete Rows“

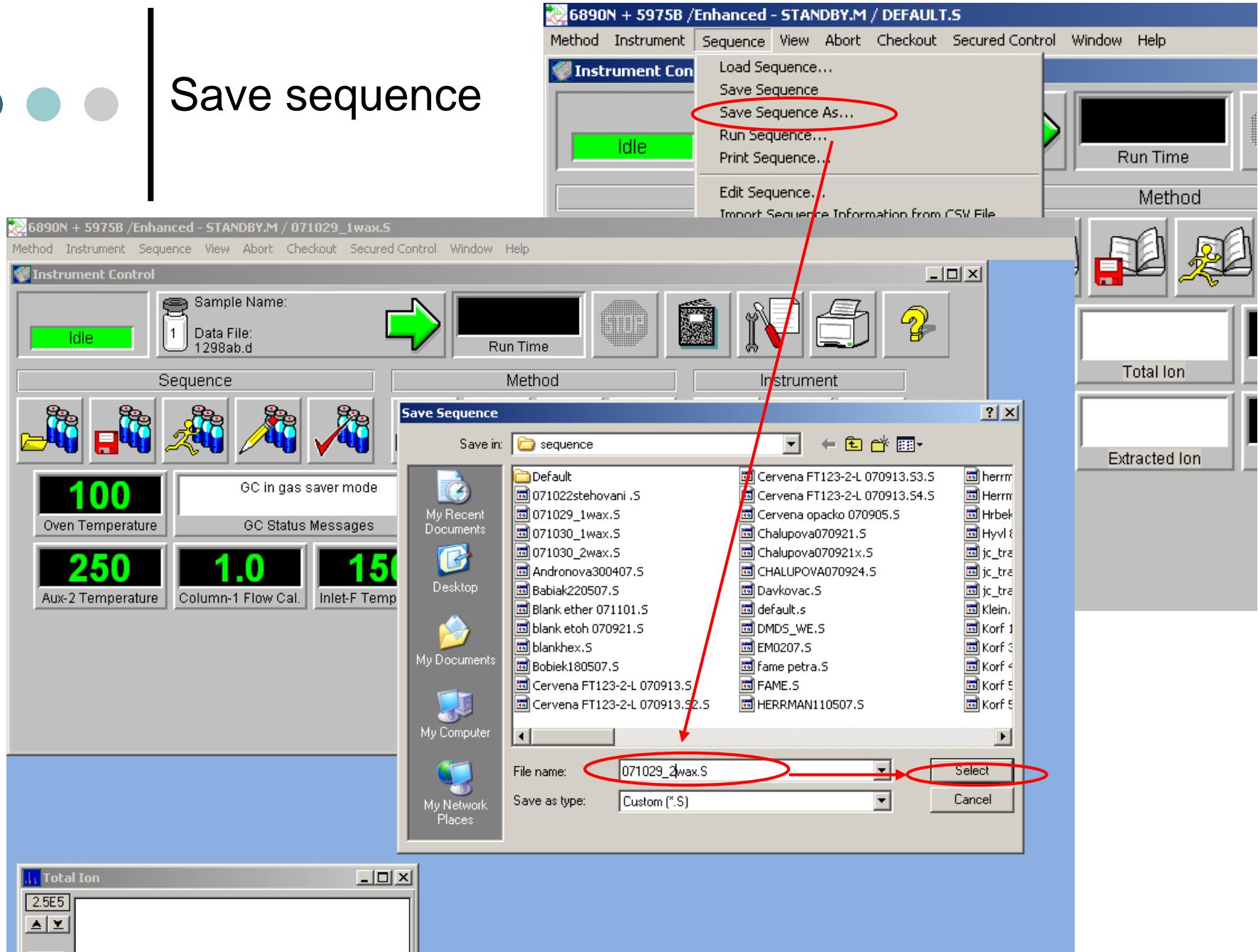
Fill the Sample Log Table



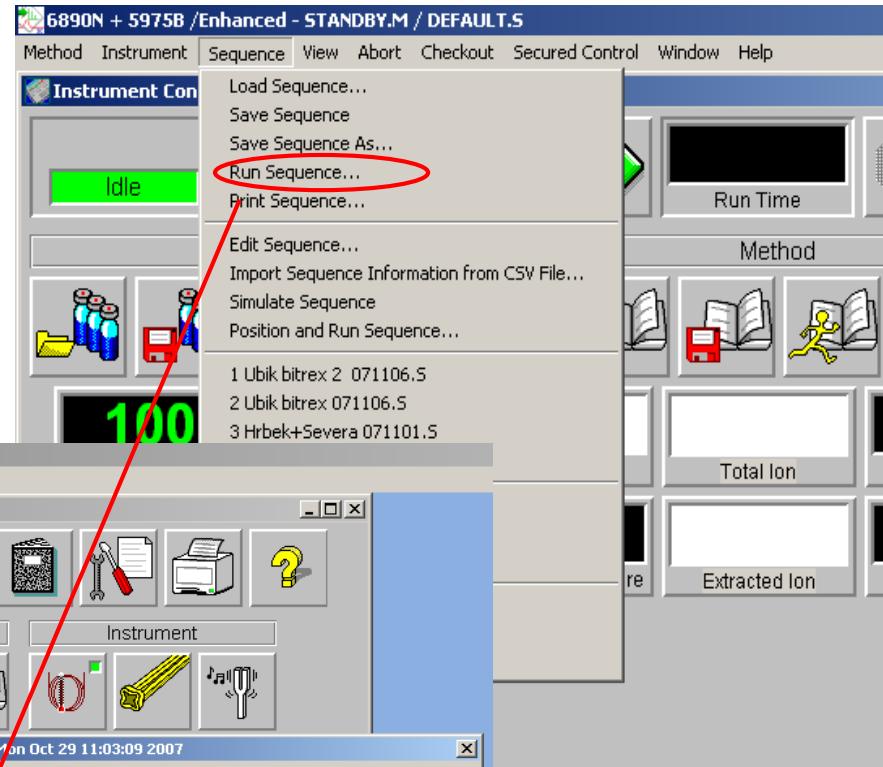
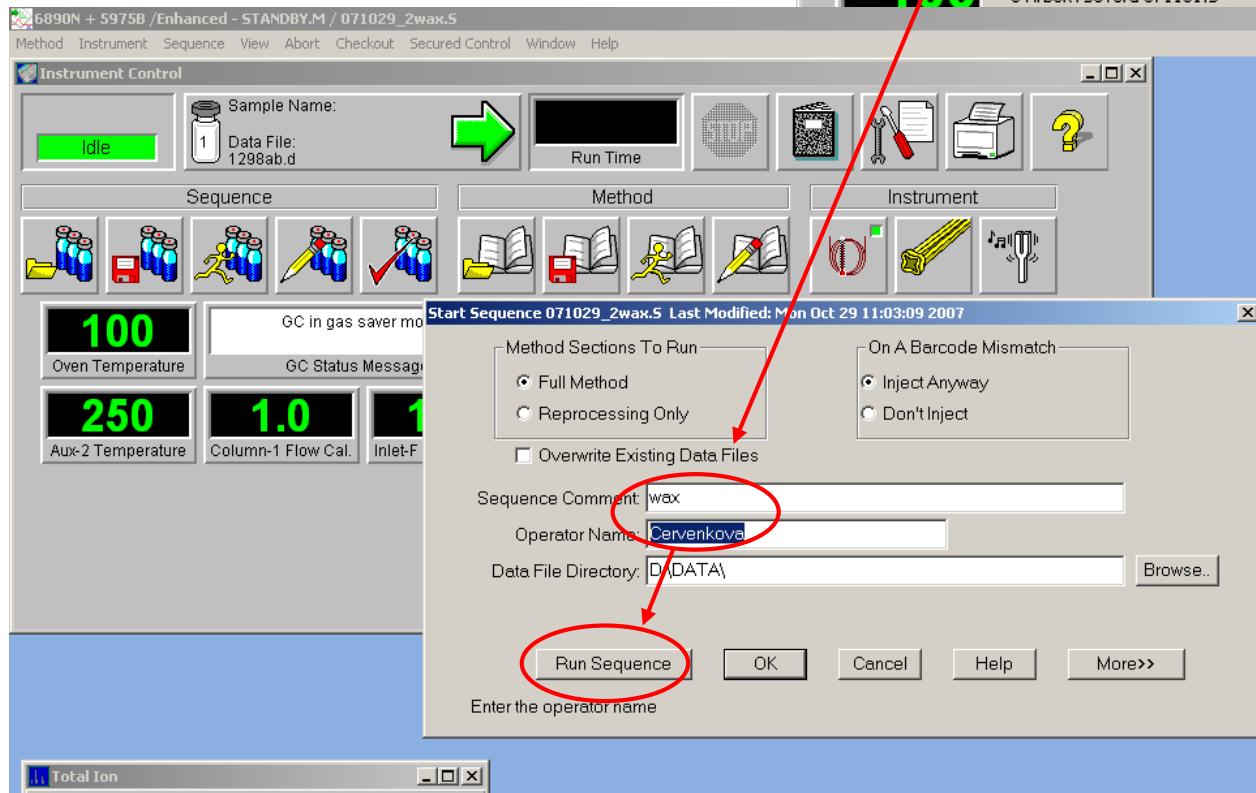
Nizke – Low
Vysoke – High

Methods	Inlet temperature	split	range	Temperature program
AS_M-nizke_C-nizke	200°C	10:1	to 600 m/z	40°C(2min) → 8°C/min do 200 → 15°C/min do 320°C (3min)
AS_M-nizke_C-vysoke	200°C	50:1	to 600 m/z	40°C (2min) → 8°C/min do 200 → 15°C/min do 320°C (3min)
AS_M- vysoke _C-nizke	230°C	10:1	to 800 m/z	60°C(2min) → 10°C/min do 320°C (10min)
AS_M- vysoke _C-vysoke	230°C	50:1	to 800 m/z	60°C(2min) → 10°C/min do 320°C (10min)

Save sequence

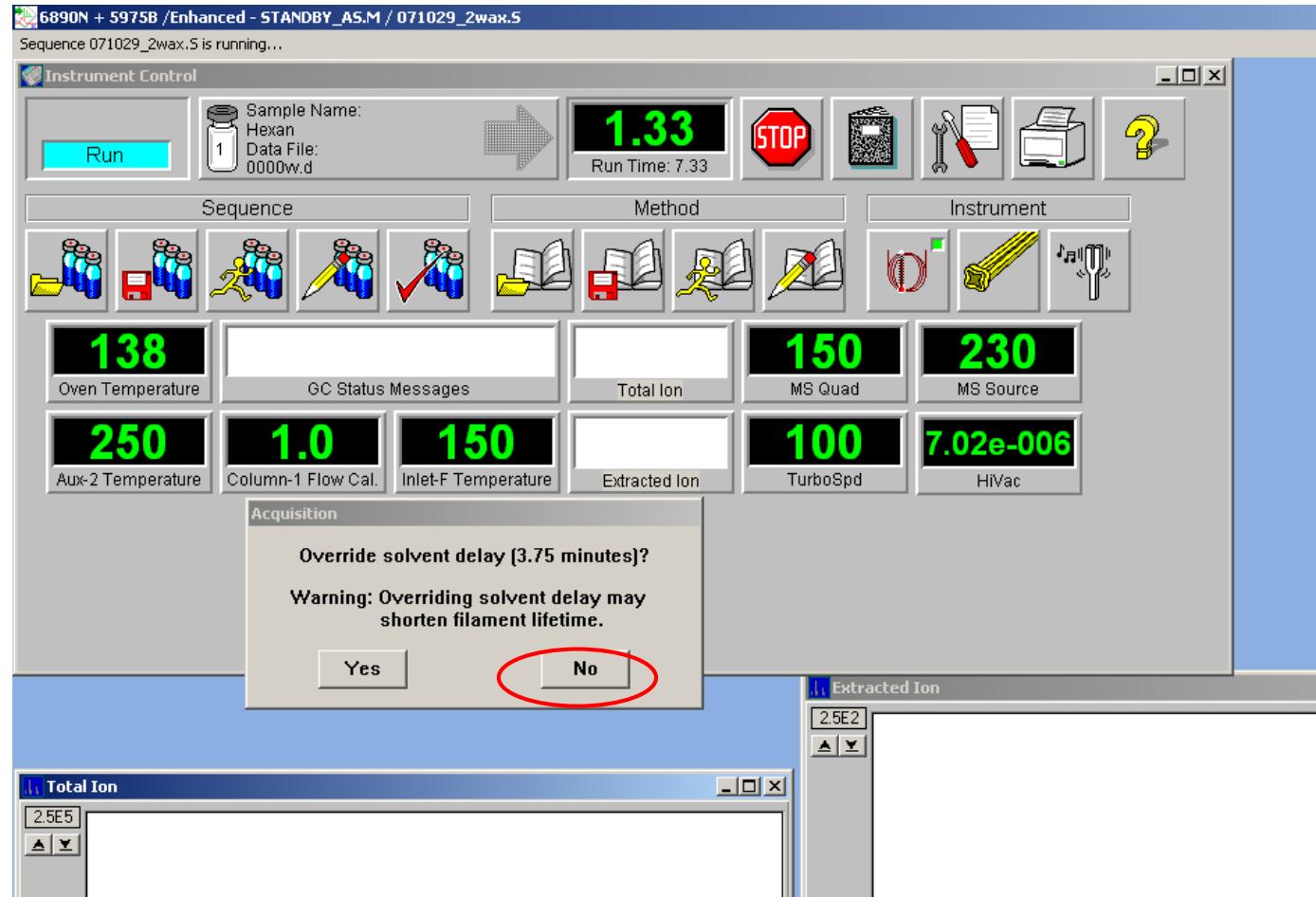


Run sequence



„Solvent delay“

Always NO !!!!!!!

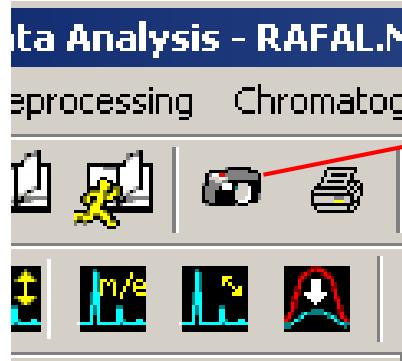




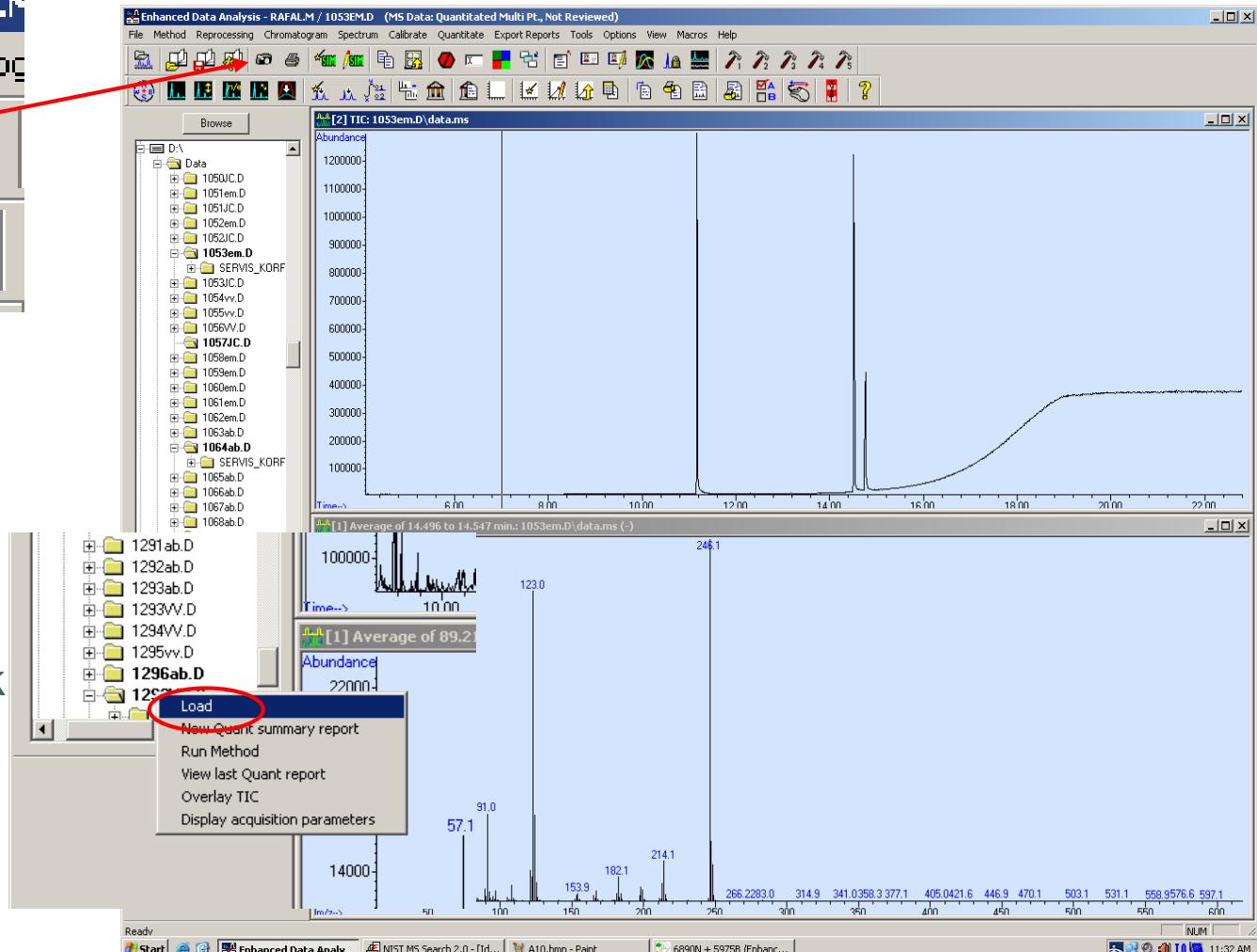
Interpretation

- You can install *ChemStation*: download data from D/DATA/....
 - By *ftp*: (from *Total Commander*)
 - By USB flash disk
 - Licenses of *ChemStation* – J. Cvačka
- You can use *ChemStation* in lab 107
- Back-up your data (yourself)

Load data

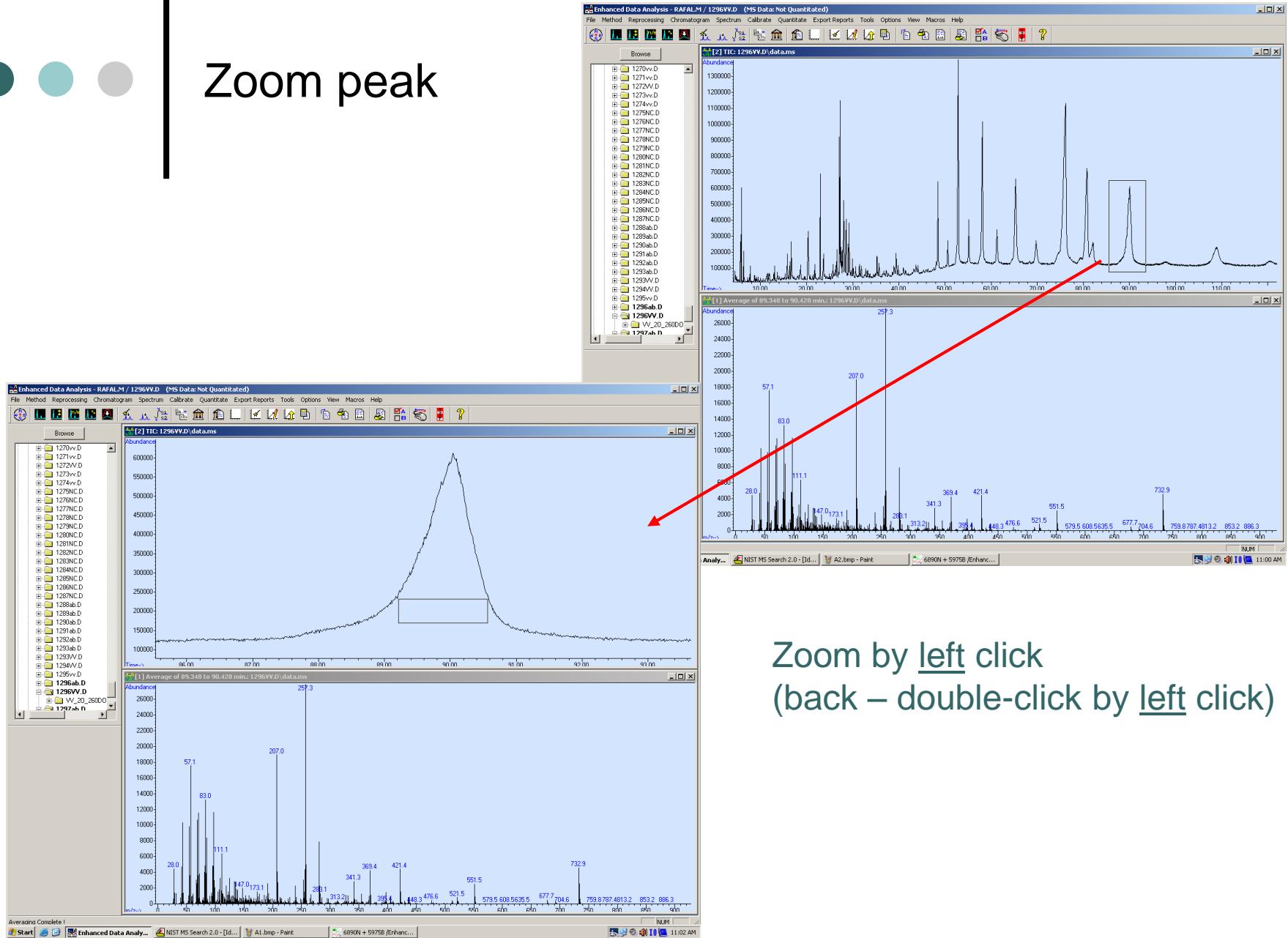


For running analysis – „Take Snapshot“



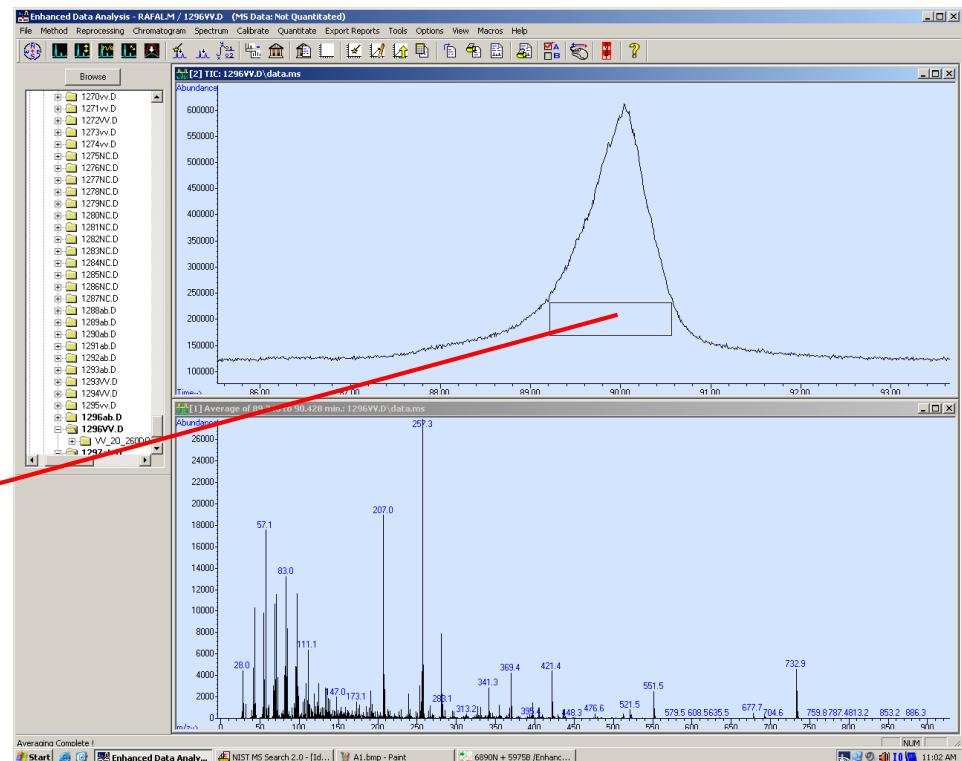
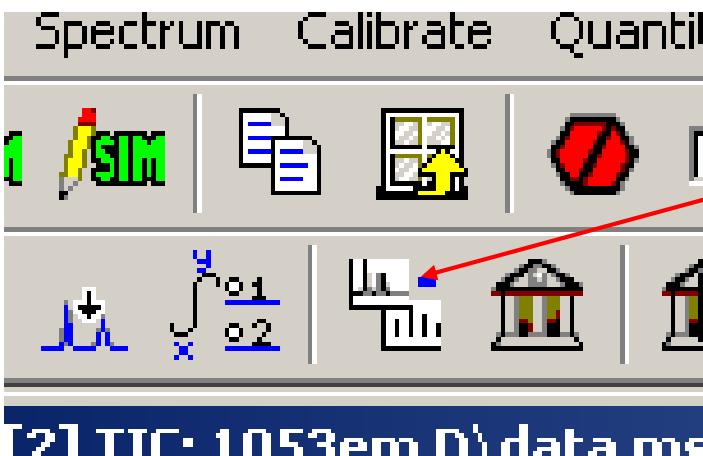
Load finished
analysis → right click
→ „Load“

Zoom peak



Zoom by left click
(back – double-click by left click)

Load spectrum and subtract background

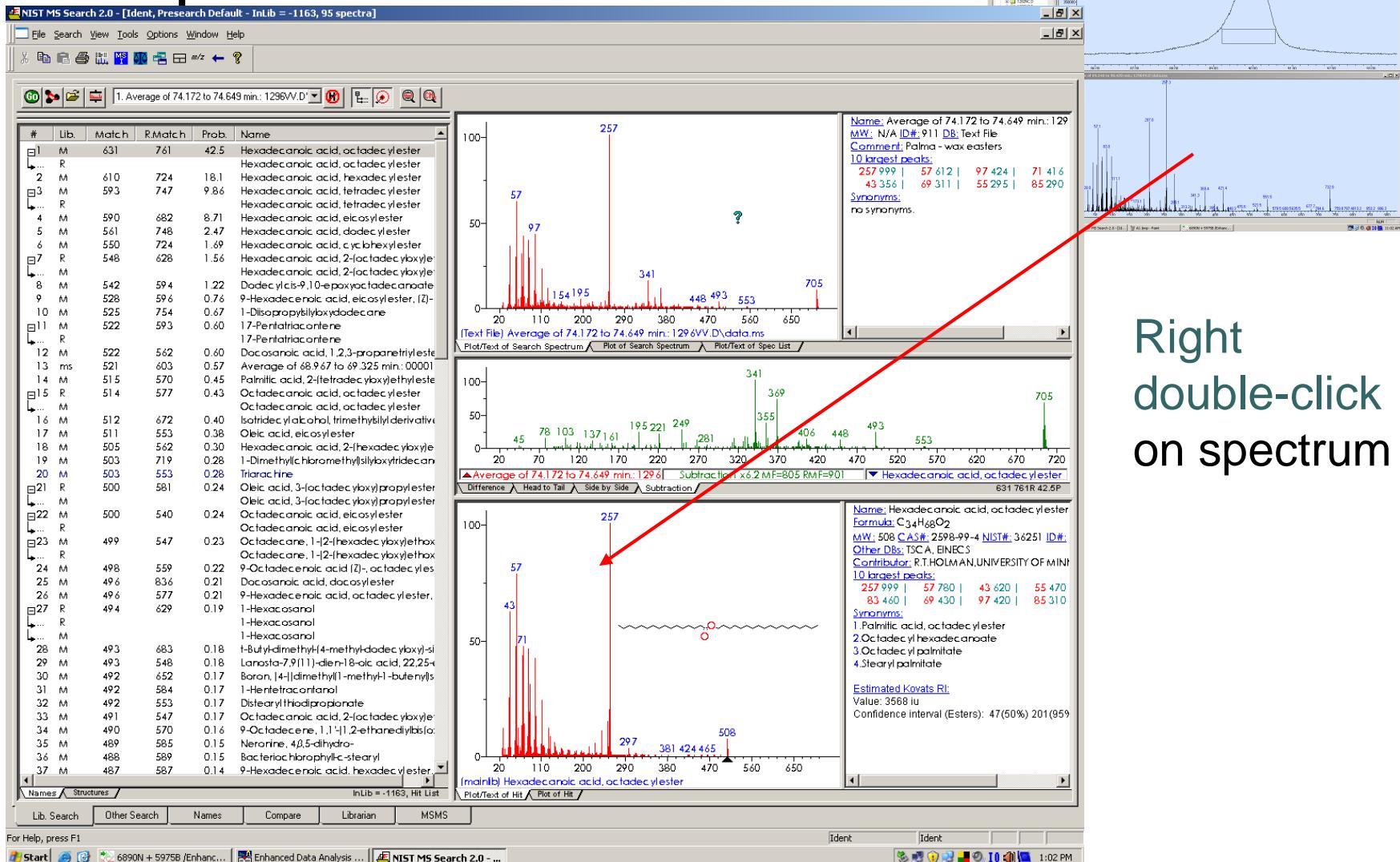


Subtract background

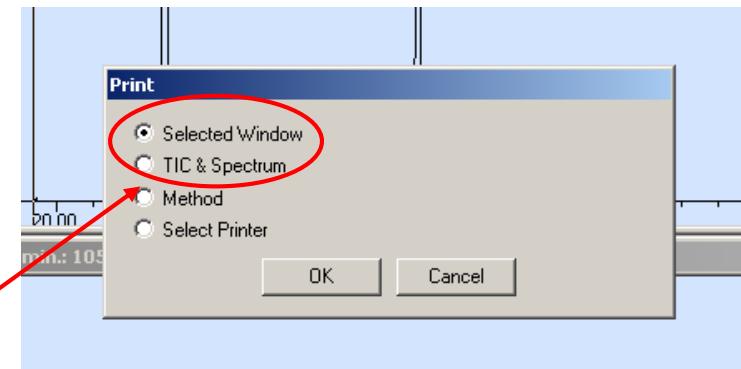
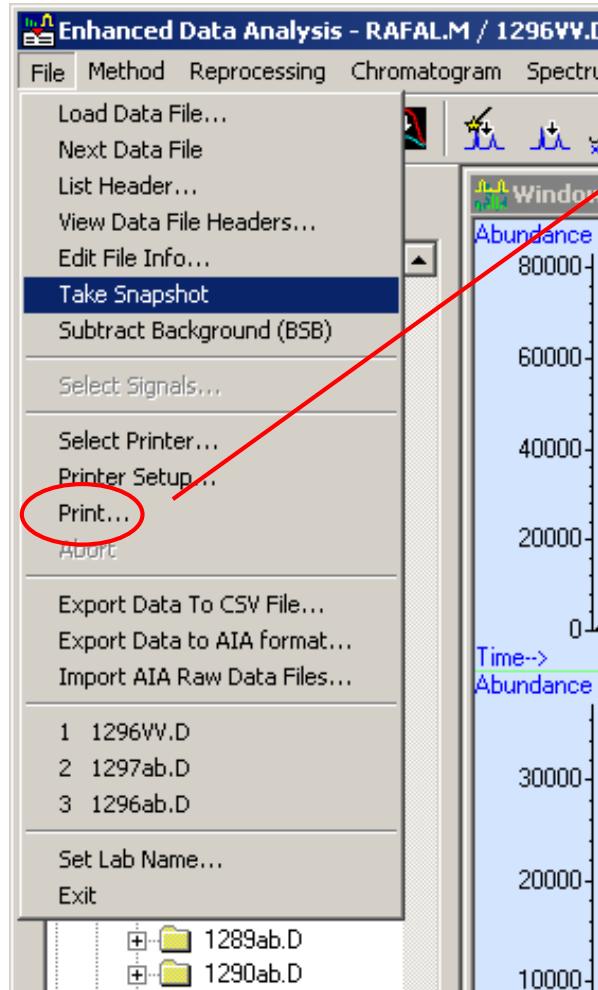
1. Load spectrum from peak
2. Load spectrum near the peak
3. Click on „Subtract“

Load spectrum by left click

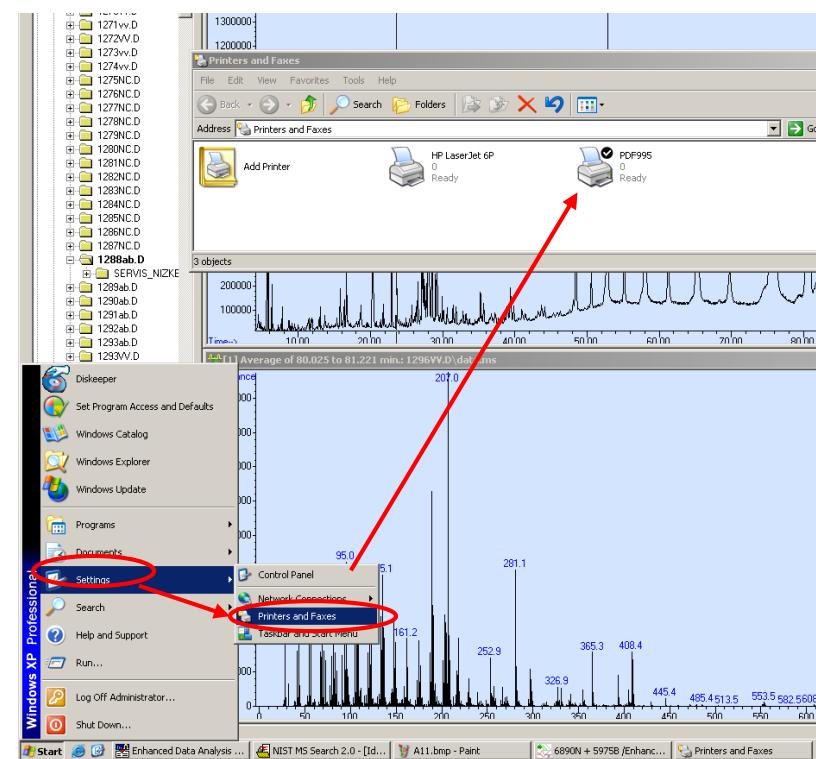
NIST search



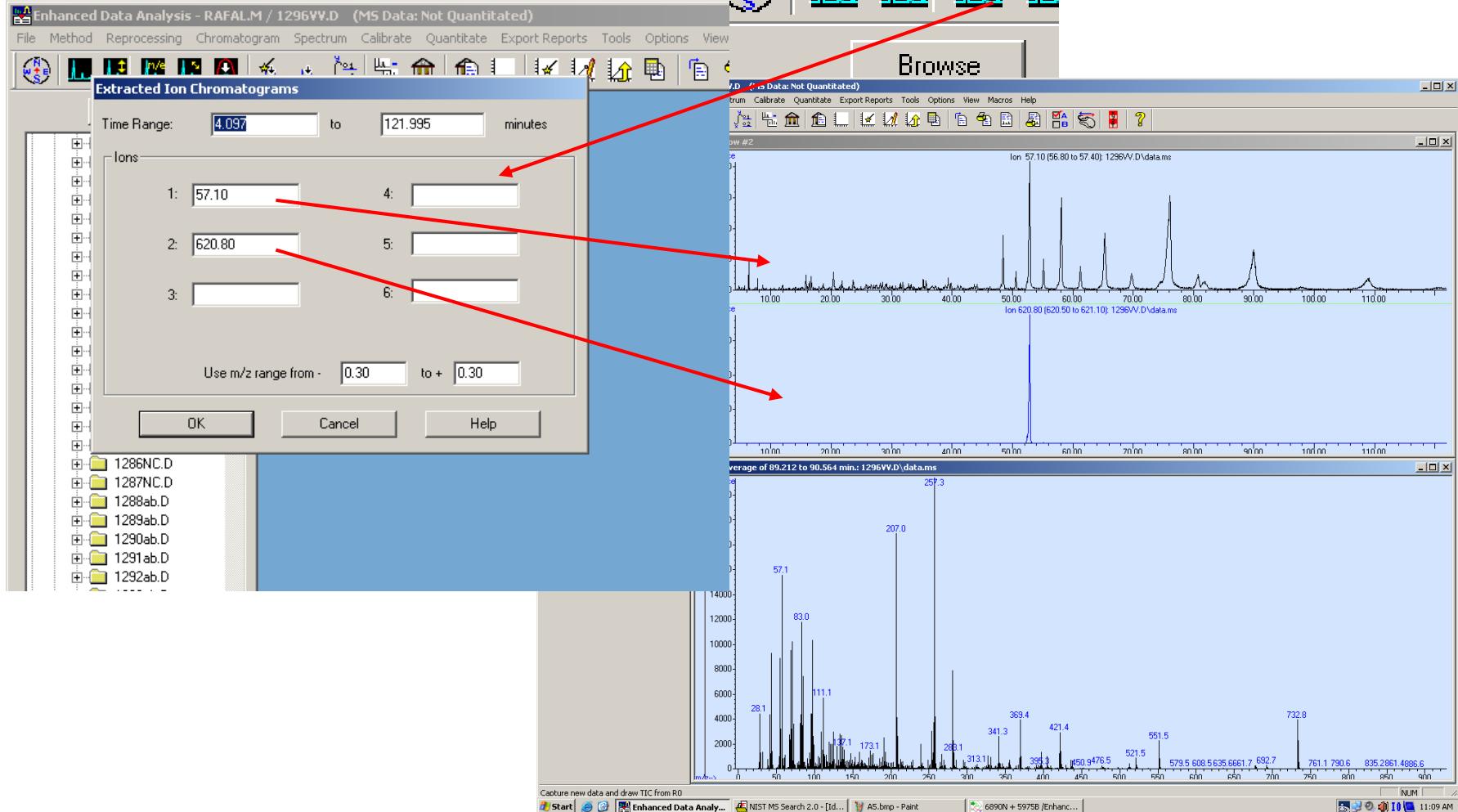
Print to PDF or paper



Set printer as Default

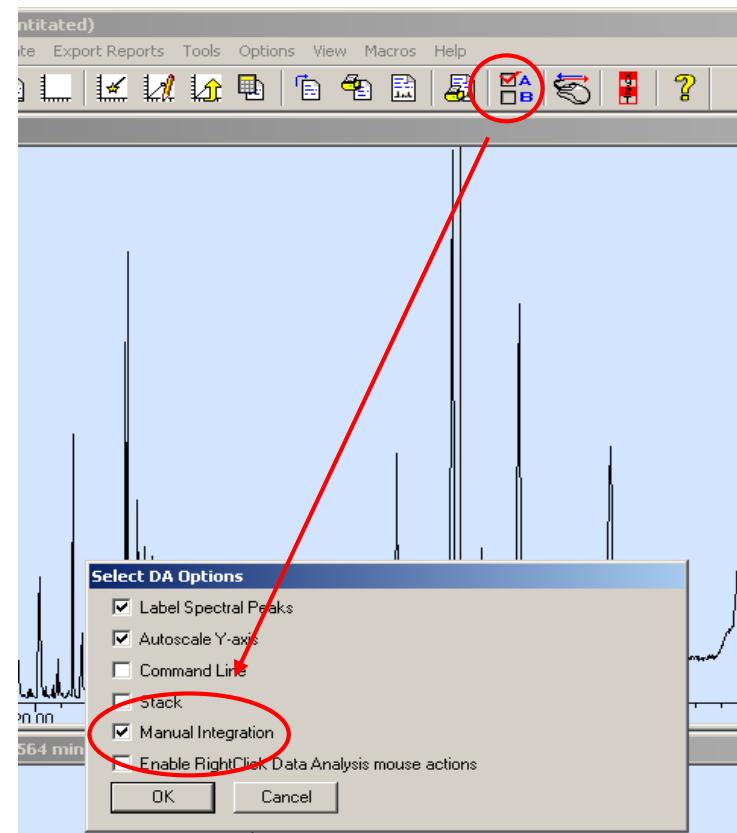


Extracted ion chromatogram



Back to „TIC“

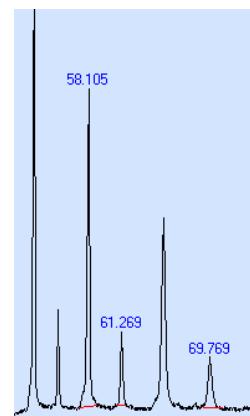
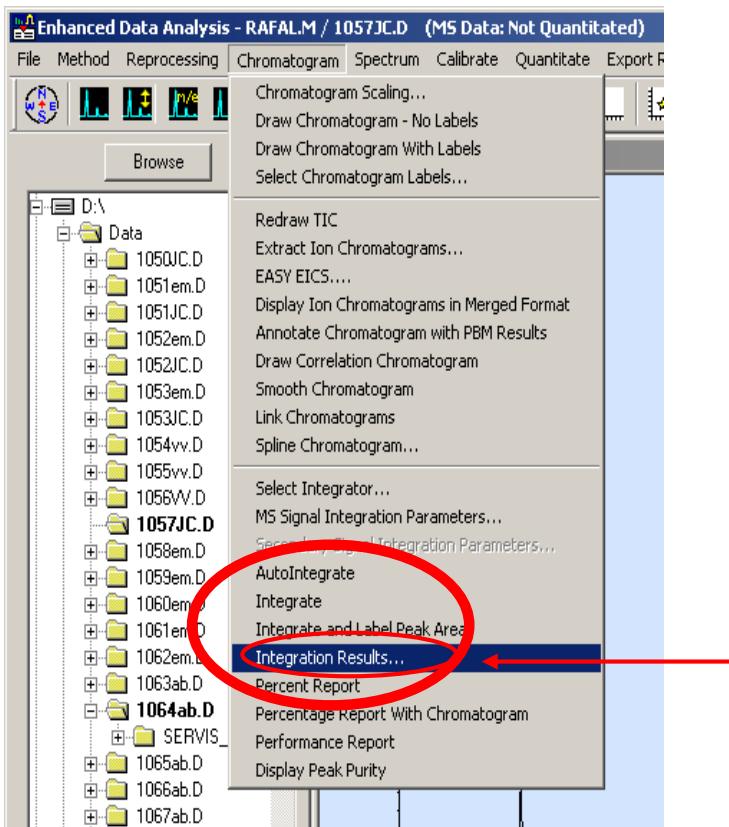
Manual integration



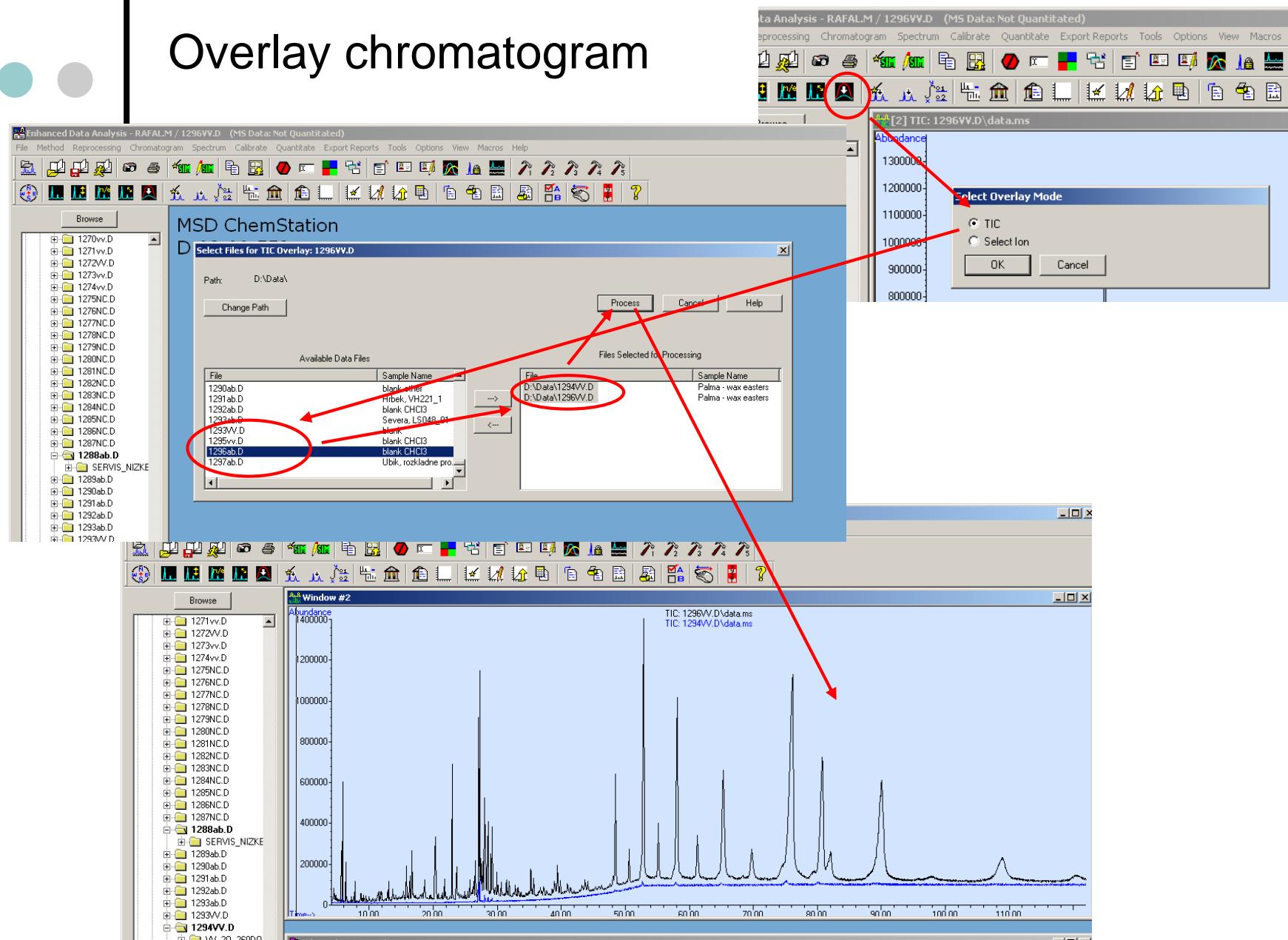
Right click– draw line on base of the peak

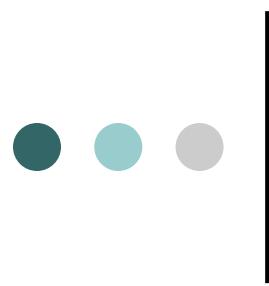
Integration

Automatic integration



Overlay chromatogram





- For help do not hesitate to contact staff of MS department
 - **Vladimír Vrkoslav**
 - Tel. 347
 - Office : A, JV, 1.85
 - **(Josef Cvačka)**
 - Tel. 303,
 - Office: A, JV, 1.90