FQ Tool

Operating Instructions

software

FQ Tool 1.5.08

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FQ Tool

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FQ Tool

1 Introduction

Software FQ Tool is designed for creating and managing programs for a frequency generator. Sometimes is the name of a **program** used to describe the name of a **batch**, in this case it is the same concept.

The device can display 12 files (it differs from the version). If you need to work with more files, it is recommended to use more memory SD cards.

The quantity of programs (batch) in a file is not limited. There is possible to save a huge amount (hundreds of thousands) of programs on the SD.

However, a disproportionately high number of programs (batch) results in considerable confusion.

Therefore it is recommended to restrict the number of programs and prefer to use another SD memory card or to have the remaining files stored on the computer.

The name of text file with the extension * .txt can be up to 8 letters without diacritics.

The txt files with programs (with batches) will be either created directly on the SD card or will be moved on the SD card after their creating. **The SD card must be formatted using FAT**. The device reads the specified frequencies from the program and uses it as part of a complex signal.

Program creation consists composing frequencies, which will be copied from programs (batch), which are prepared in database files or from previously created program files. The whole programs can be used as well.

**The created programs can be edited or deleted using FQ Tool software.**

The FQ Tool software also serves to transfer batch data from another software, eg from Ravo Rife, to a text file in the desired format, which reads the frequency generator without difficulty.

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2 Installation of FQ Tool

Software cold be downloaded on the address:

www.qmtronic.cz/fq-tool/

The software will be expanded directly on the desktop or in documents and a link will be placed on the desktop. There is necessary to "enable" the software during the first triggering.
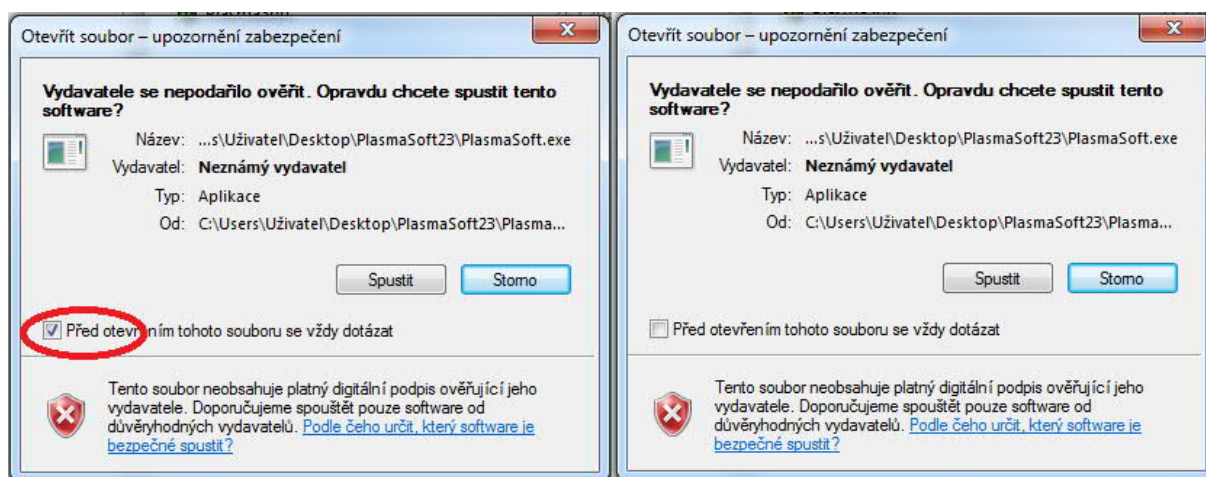

The QCAFL and QCLARK files are database programs and are not intended for use directly in the frequency generator. They are too extensive and most of programs are very short.

From the programs, they are contained in the QCAFL and QCLARK database files, or in other files, will be made the program by software FQ Tool, which is used in the frequency generator.
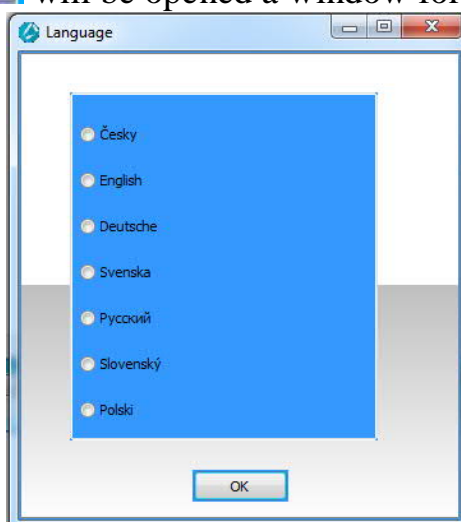
FQ Tool

3 FQ Tool

Software FQ Tool will be started by followed icon and will be opened the window.
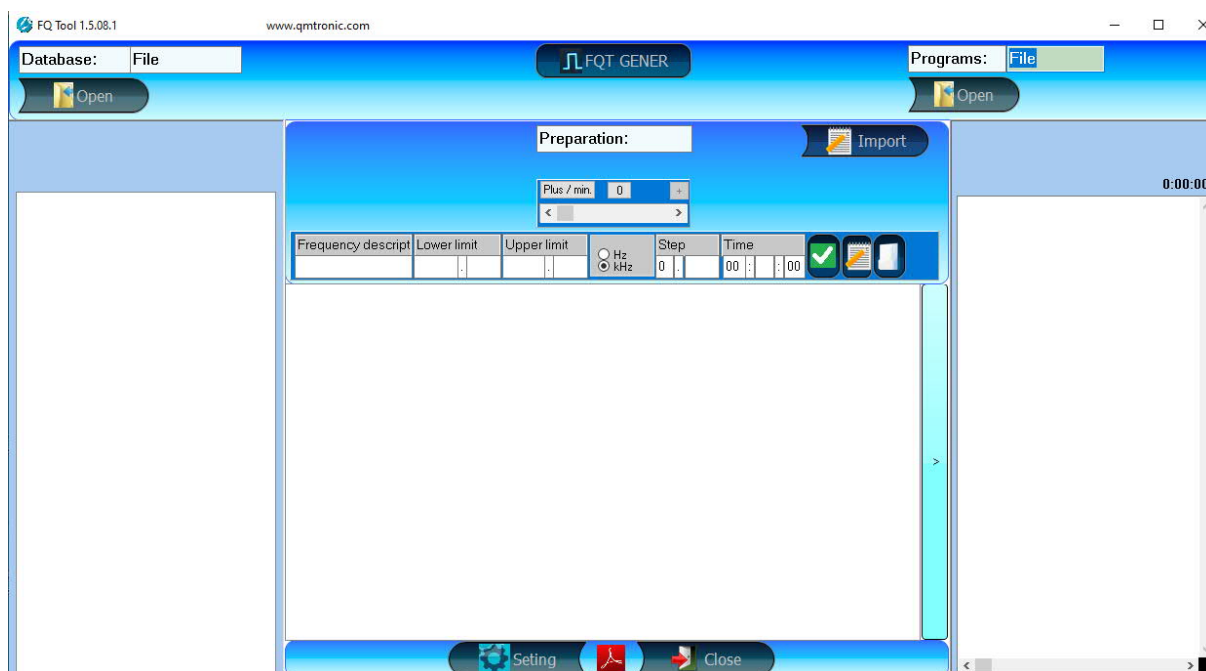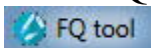
By button **Setting** you can make a few settings.

By button will be opened a window for a changing of language.

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By the button will be displayed the folder with documents and lists of frequency files.

The button **Edit** sets the middle window as the default editable window, it is blue-green. Switching between the middle editable and selection window is done with the icon in the middle bar.

The button is used to enter the port number to which the FQT Qmtrin is possibly connected.

Freyuency description: in the output files, only name **Fr** is displayed as a description of all frequencies.

Instert Enter >> TAB: when entering your own frequency in the middle window, the ENTER function is switched off and only TAB is used to switch between the individual input windows.

Dark color motif: the color gamut switches to dark motifs.

The button is used to start the FQ Therapy program if the FQT Qmtrin device is installed and connected.

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3.1 Work in windows

The program consists of three windows.

The **left** window is the **database** window, the **middle** window is the program (batch) **preparation** window, and the right window is the **program** window.
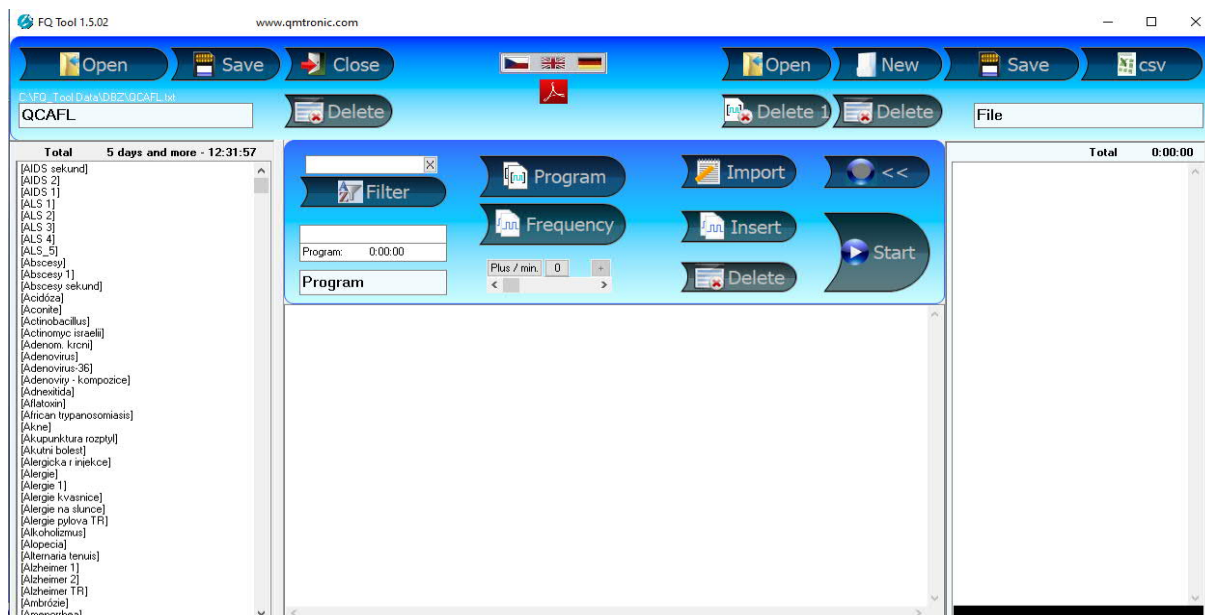
The database program in left window will be opened through the button ***Open*** over the left window.

Will be opened the file in which are the programs (batch). These programs will be used to create a new program.

Most icons in the program that are not current at the moment are hidden.

Program titles are in square brackets. In the left window are displayed the current program file (with batch). Program names are given in **square brackets**. Over the left window is the total time of all displayed batches for information.

If there are more programs in the file, it will be moved in the selection window using the scroll bar on the right side of the list. When you click on a window, you can move with the arrows, or use the PgUp and PgDn buttons**.**

You can also use the filter by entering part of the keyword in the box above the filter button and clicking on the filter button. There is no case or diacritics.
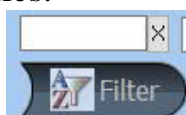
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In the *middle window* are displayed prepared assemblies, it means the program (batch) or the frequencies for further processing.

In the middle window, could be inserted a frequencies from other programs to import them. Caution: Inserted data must always have a supported format!

The window layout must be switched to an editable state (it is blue-green).
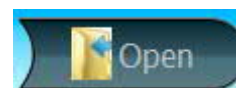
Toggles with the icon in the middle bar.

The program ends with a button with a button .

In the *right window*, open the program file via the **Open** button above the right window. The file to which new upcoming programs (batches) are to be added opens. Or you can create a new file with the button .

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3.2 Compatibility Check

By button *Open* over the left window will be open a selection dialog box.

During the opening process is checked the opening file on the compatibility. This feature is very important when downloading foreign files or programs (batch), or more often if program (batch) was edited directly in text files without using the FQ Tool.

If there is an error in the file, a warning message will appear to indicate where the error is.
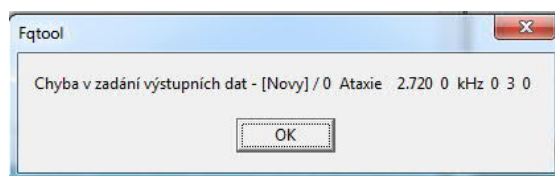
WARNING: It is not always possible to detect all possible errors, so there may be errors in the program even if an error message did not appear!

Only the most common errors are treated.

After removing the errors can be program loaded into the frequency generator. If is inserted to card generator the SD card with files containing an error, the frequency generator may malfunction or freeze.

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3.3 Creating of new program

The program is created by copying frequencies that are prepared in database files or from other previously created program files. The goal is to place the required frequencies or program or both, from one open file (or other files that will be opened) in the middle window. Another way is to enter a separate custom frequency.

Another way is entering a separate natural frequency by filling in the data in the middle bar.

You can also use the **Import** button to import a *.csv file with a suitable structure.

When the required program, it means several lines of frequencies or whole programs are ready in the middle window, will be opened the file with the name to which the generated program is to be added in the, the program will be loaded into the right window by the button **Open** over the right window.

This current program file in the right window can be emptied with the **Delete** button and only newly created programs can be inserted into it.

If necessary, you can delete a program from the currently program file in the right window by clicking the **Delete 1** button and selecting the program to be deleted.

Another option is to enter a new file *New,* the right window will cleared and the created file will contain only upcoming programs from the middle window.

The contents of the middle window are converted to the right window using the long button on the right site of the middle window. The right window will be then saved under the desired file name by the button *Save.*

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If you need to use the programs in other programs, the data in the right window can be saved in *.csv format by saving with the **CSV** button. **ATTENTION**: all frequencies in the right window are converted into only one program, so you need to have only a limited number of programs in the right window to merge into one.

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3.4 Button description

Open over the left window - a dialog box for selecting of database file will open. There is open a file in which are the programs (batch), that will be used to create the new program. More and more files can be opened and required frequencies or programs from them will be selected.

Open over the right window - a dialog box for selecting of program file will open. Opening of file in which the created programs should be inserted. It means, in file of client will be inserted new program, which is prepared in middle window.
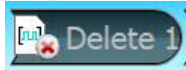
Delete 1 Changes can be made in the open file in the right window – deleting of one program (of one batch).
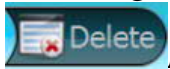
Delete – button over the left or over right window - clear the left or the right window. Used when new frequencies and programs will be assembled, or in the event of an error.

Long button on the right site of the middle window - assembled frequencies and programs are exported from the middle window to the right window. If any programs are already in the right window, they assemble programs are sorted after old programs.
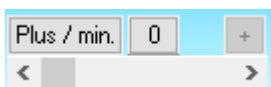
Buttons for adding time to the assembled frequencies in the middle window can be used to increase the times. Extensions only occur by adding minutes. The number of minutes added is set by the slider and the button is clicked . Changes can be undone by pressing the button .

If there is no name of program in the top of middle window, but only a frequency are there, the frequency set will be transferred to the right window with a name that can be changed in the little window over the middle window. The resulting program (batch) in the middle window carries this name and the name is in square brackets.

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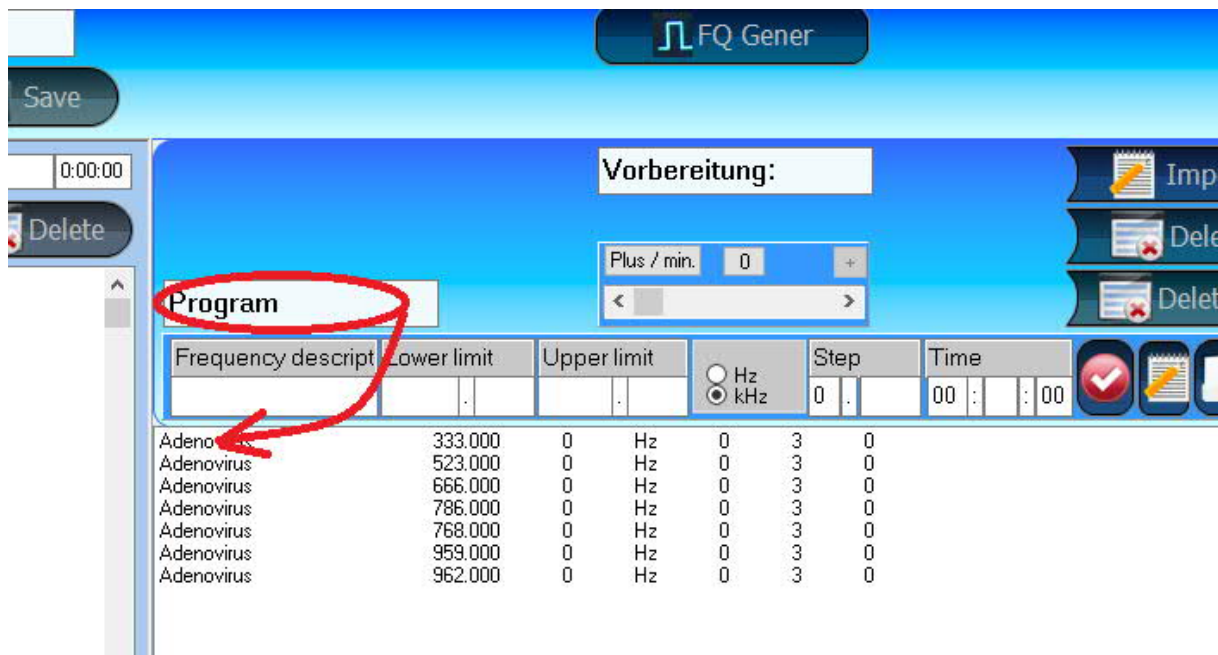
Import from file a dialog box for loading frequencies from another supported file opens. By default, a CSV format is supported, separated by a semicolon, such as an F Scan output file.

Save a dialog box will be opened to select the location for saving the file. You can overwrite an existing file or enter a completely new name to create a new file.

CSV a dialog box for selecting the location to save the file opens. You can overwrite an existing file, or enter a completely new name to create a new file. Data from the right window is converted to csv format for use in other programs. CSV files do not allow the creation of multiple programs (batches), therefore all frequency lines are converted into one program (batch). Frequencies higher than 900 kHz will be rounded and frequencies lower than 1 Hz will be replaced by 10 Hz, since devices using csv files only work within these limits.

New it clears the right window. Used if the assembled frequencies and programs should be saved in a new blank file and should not be added to existing programs.

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Copy to the left window Use this button to copy the contents of the right window to the left. This procedure is very aqueous when a file with important or popular data and frequencies is already prepared and is therefore suitable as a database file for creating new programs. The file in the left window can be saved among database files by the **Save** button.
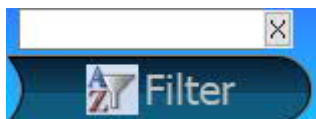
Filter   You can use a filter to make it easier to search. Enter a keyword (indifferently uppercase or lowercase) and click on the ***Filter*** button.

On the left window, all the names that contain the keyword appear. The selection is easier. Deleting the input box and clicking Filter or by button ☒ will display the original full list. Alternatively, you can specify a different keyword.

If are more programs in the file, there is possible to move in the window by the scroll bar on the right side of the list. During click on any name the name will be blue marked. There is possible to move up or down by the arrow keys, by the PgUp and PgDn buttons, or by taping the initial letter of the desired name.
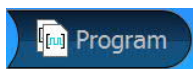
Copy Program   the full program with all frequencies, including a name in square bracket is copied to the middle window.

Copy Frequency Only the frequencies are copied to the middle window. This step adds the frequencies in the current program to the previous frequencies that were added earlier. The frequencies will be merged into one future program.

The qmtrin file must still be available on the SD card and must be not changed! Changes may cause the device to malfunction. Without this file the frequency generator does not work. There is also usually a Power file. Other files can be deleted regularly to save new created files on SD card.

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3.5 Insert new frequency

Using the boxes on the bar layout, you can insert a line with your own frequency in the middle window. There can be inserted a frequency shift or fixed frequency and enter a time.

Will be inserted the name of the frequency, the lower limit and the upper limit. In the case of a fixed frequency, the same values are inserted. The values are inserted in the format of four digits and three decimal places. Four places are required because the frequency generator operates up to 2 MHz to three decimal places, it means up to 2000,000 kHz.

If necessary, enter the desired shift in the frequency shift, the fixed frequency is set to 0.000.

Hz or kHz is selected and the time inserted in the format minutes:

Hours : minutes : seconds   00:mm:00

By button will be frequency inserted in middle Windows.

It could be inserted next frequency.

This feature requires a lot of inputs, but the values remain stored while the FQ Tool is running, and other frequencies can only be inserted by changing the different values, making insertion easier.

The button clears the input fields.

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The button ![edit icon] switches the middle window to edit mode (blue-green) and selection mode (white).

If a frequency line is clicked in the middle window, the data is loaded into the input fields in the middle bar.

The row can be edited and saved back to the middle window with the button ![check icon], or added as new to the end of the middle window with the button ![plus icon].

Some user can still use the following option. In the middle window can be marked the entire existing line in blue. Use **CtrlC and CtrlV** to copy and paste the marked line into the next place. Finally, you can change the value as a text editor. In this example, values 100 are deleted and 200 is written.

Mereni1	1.113	0	kHz	0	3	0
Mereni2	2.128	0	kHz	0	3	0
Mereni3	6.121	0	kHz	0	3	0
Mereni4	33.000	0	Hz	0	3	0
vlastní	100.000	0	kHz	00	01	00

Mereni1	1.113	0	kHz	0	3	0
Mereni2	2.128	0	kHz	0	3	0
Mereni3	6.121	0	kHz	0	3	0
Mereni4	33.000	0	Hz	0	3	0
vlastní	100.000	0	kHz	00	01	00
vlastní	100.000	0	kHz	00	01	00

| Mereni1	1.113	0	kHz	0	3	0
Mereni2	2.128	0	kHz	0	3	0
Mereni3	6.121	0	kHz	0	3	0
Mereni4	33.000	0	Hz	0	3	0
vlastní	100.000	0	kHz	00	01	00
vlastní	200.000	0	kHz	00	01	00

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However, there is necessary to work very carefully, copy and paste complete rows and make sure that other characters are not erased.
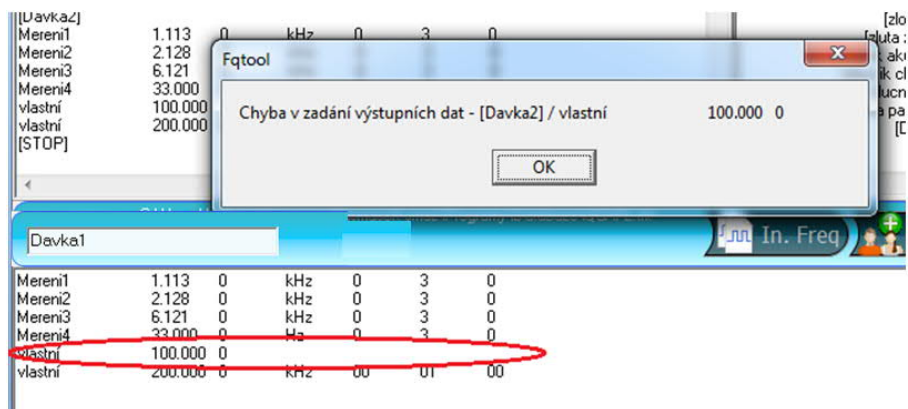
WARNING: Accidental errors result in wrong format of program and during the conversion will be displayed a warning message.

There is necessary to delete the error or clear by the button
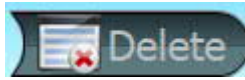
 Delete over the middle window the middle window a start from the beginning.

A example of warning message

The message shows the name of program in which the error is and in this case the frequency in which the error is. In this case, the line with frequency 100.000 is not complete, part deleted.

3.6 Conversion and check

After the program has been set up in the middle window, the conversion to the right window is triggered by the long button on the right site of the middle window. Items from the middle window are transferred to the right window in a compatible format.

If items (frequencies) in the middle windows begin without any name in the square bracket, a program with the name in the little window over the middle window will be created from the frequencies.

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If the name that is written in the little window over the middle window or name in the middle window already exists in right window, an error message appears.
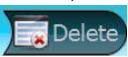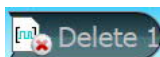

Because the name "Davka1" is not in square brackets, is it the name in the little window over the middle window and it is necessary to enter another name in the little window in the middle.

If a message appears with the name in a square bracket, such as [Biciclovers]
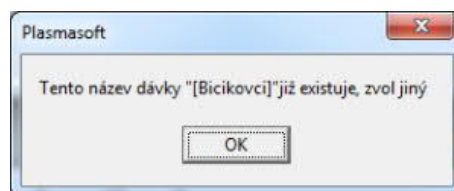
is there a program that is prepared in the middle window with the name in square brackets [Bicikovci], in the right window as well. This means that this program would be repeated.

In this case, it is easiest to choose another file to add programs from the right or create a new file *New*

If it is necessary to work in an open file, it is the best solution to clear the middle window with the button *Delete* or delete only one program (batch) by button *Delete 1* and start without the program with the name in the error message again.

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Example: A program called [Adenovirus] is present in the right and middle windows at the same time.

In the case of a bad format in the middle window, the most incomplete line, or a decimal point instead of a decimal point, will be displayed an error message that shows the program name (batch) in square brackets and the frequency of the line in which it is error after starting of conversion.

Errors only occur only when manually editing the middle window or inserting incompatible assemblies into the middle window.
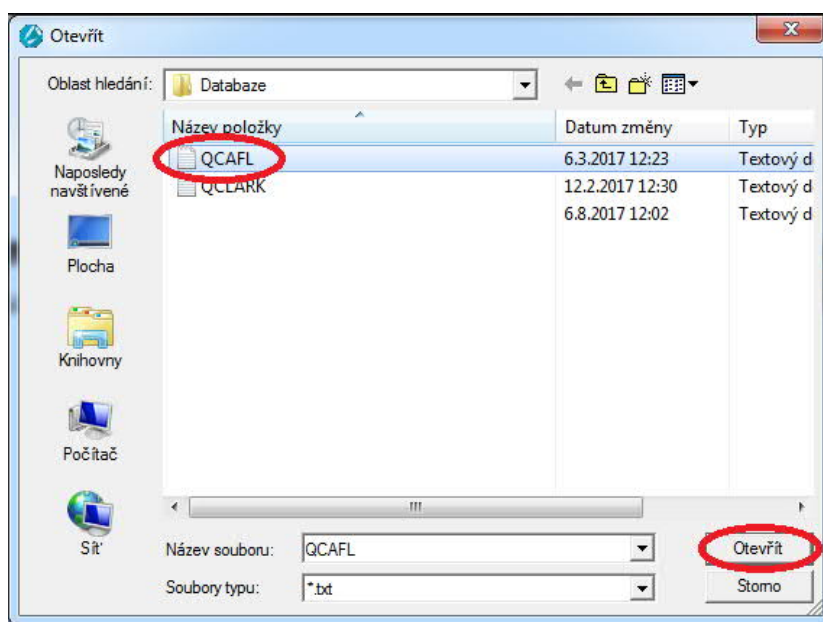
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4. Example
4.1 Example 1 – Frequency from database files

There is necessary to import a frequency from a QCAFL database file into a new file called *Patrik*, which will contain one program (batch) named *Davka1*.

Frequencies from program *Streptococcus pneumoniae* and *Streptococcus pepto* are copied to the middle window. The assembled frequencies are converted to the right window with the name *Program* and will be saved to the file with name *Patrik*.

1) QCAFL file will be loaded from the directory of the database files. From this QCAFL file will be to copied first frequencies or programs. By the button [Open] *Open over left window* will be opened the dialog window.

2) In the database program directory, will be selected the required file such as *QCAFL* file and the *Open* button is clicked.

The *QCAFL* file will be loaded to the software FQ Tool and its content is displayed in the left window. There are displayed all programs (batches).
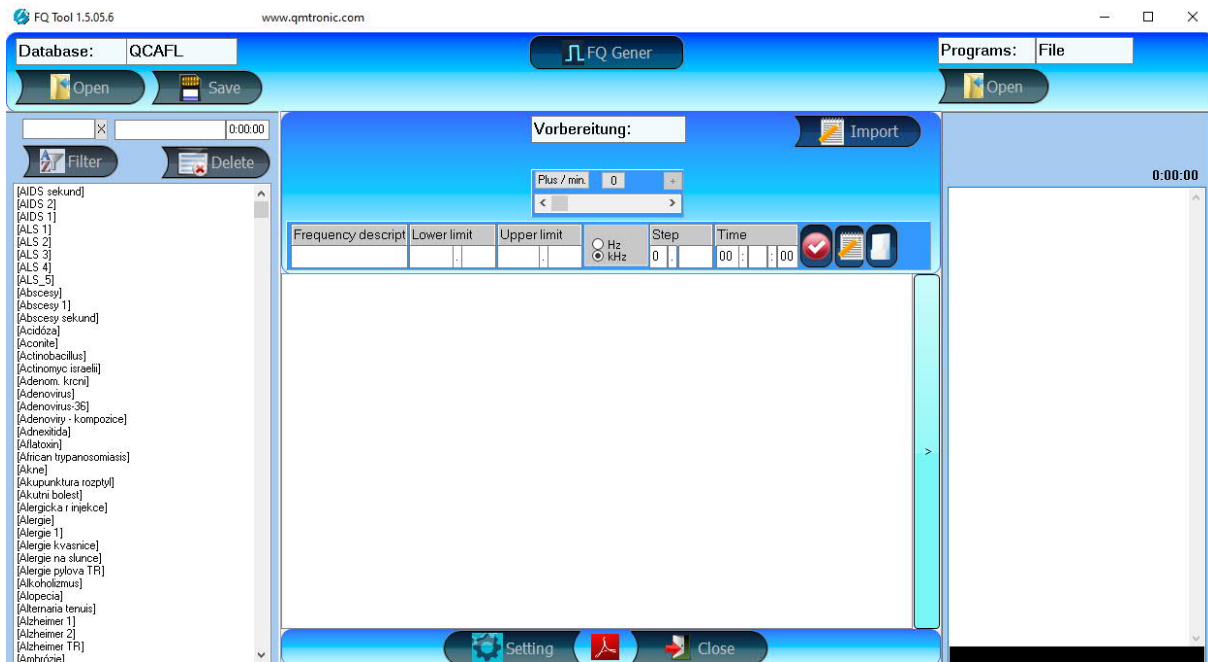
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3) If are more programs in the file, there is possible to move in the window by the scroll bar on the right side of the list. During click on any name the name will be blue marked. There is possible to move up or down by the arrow keys, by the PgUp and PgDn buttons, or by taping the initial letter of the desired name or use Filtr.

4) You can use a filter by typing a portion of the keyword in the box above the filter button and clicking the filter button.
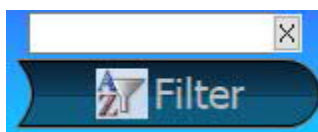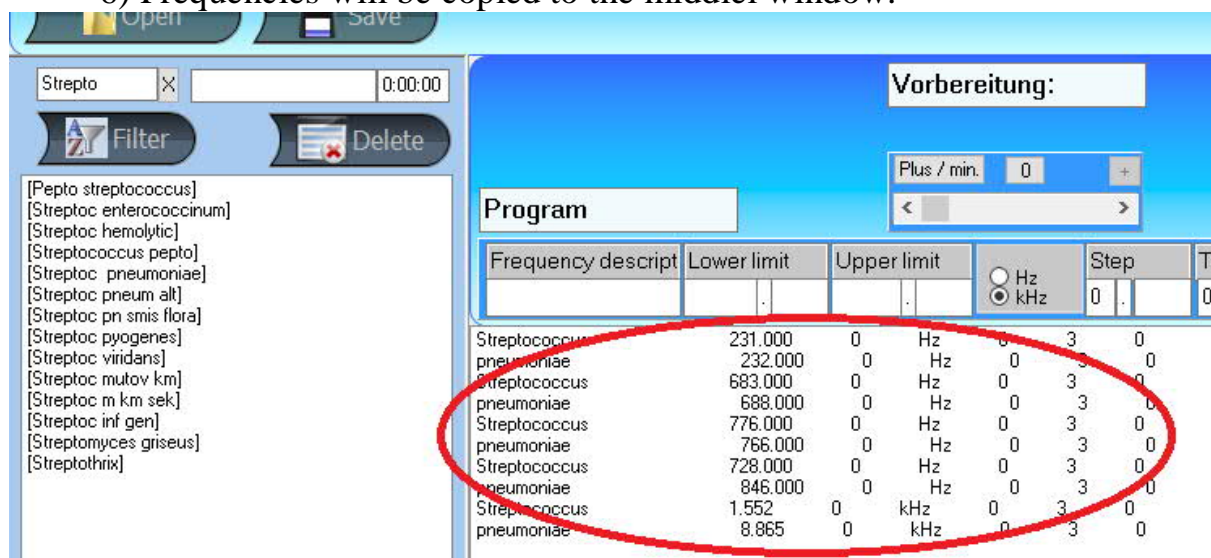

5) If it is necessary to copy only frequencies from program Streptococcus pneumoniae, the name **Streptococcus pneumoniae** will be marked by mouse click, the name turn blue.

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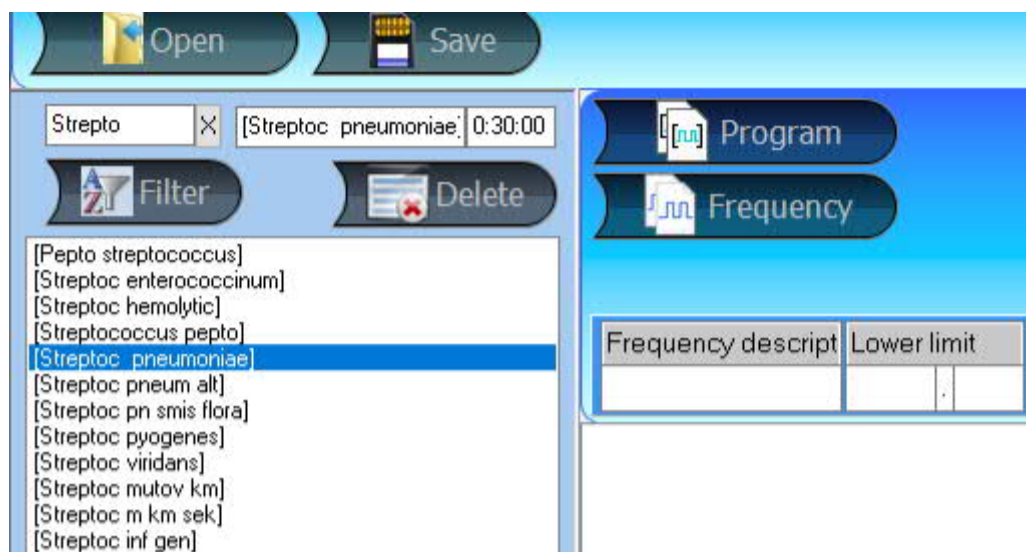
The button **Copy Frequency** is clicked.

6) Frequencies will be copied to the middlel window.

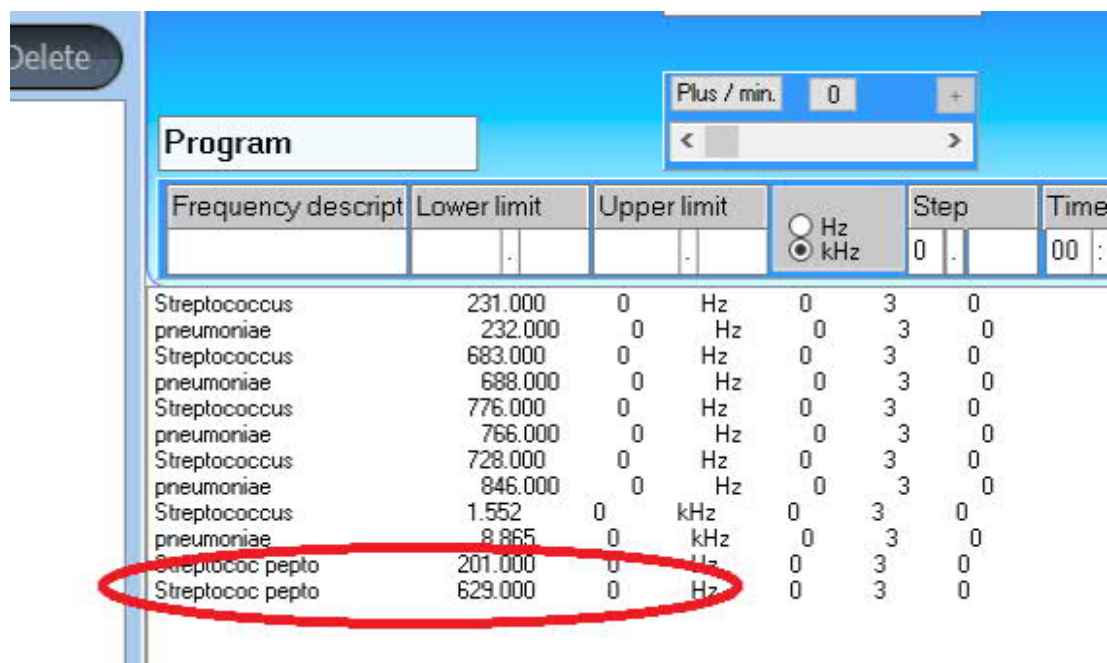

7) If it is necessary to copy only frequencies from next program (form next batches) for example *Stretococus peptotrom* from the same file, which is already open. The name *Stretococus peptotrom* will be marked by mouse click, the name turn blue and the button is clicked **Copy Frequency**.

FQ Tool
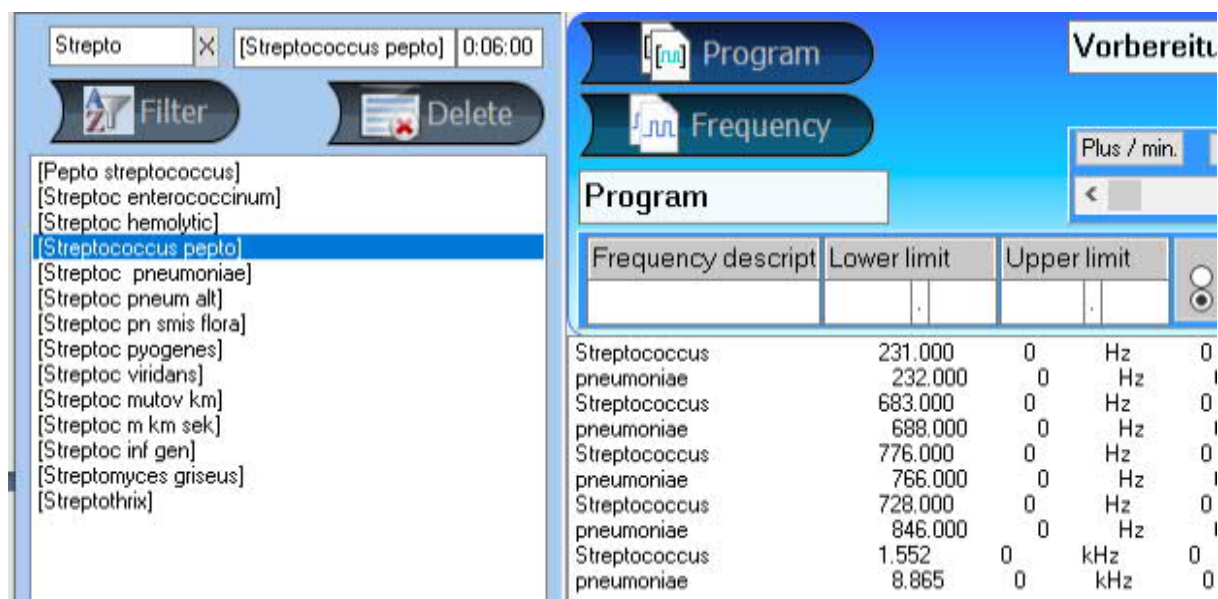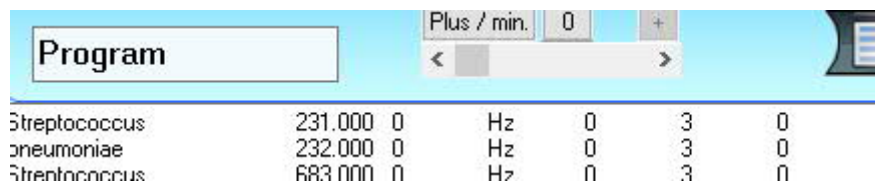

8) Frequencies will be copied into the middle window.

If it is necessary to insert (to copy) the whole program (whole batch) it means frequencies incl. their name, will be clicked the button ![Program] *Copy Program*. Not only the frequencies, but also the whole program (batch) incl. name which is in square brackets, are copied to the middle window. This way stays the program still separated, it will not integrated to the previously items of frequency and will be triggered separately.

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All required frequencies have been compiled.

9) The frequency in the middle window needs to be converted from the middle window to the right window. The name of the program is a text in square brackets. In the middle window, the top left is no name, so the program with frequencies will have the name that can be edited in the little window over the middle window. In this case the name should be it *Program*.


10) If would be clicked on the long button on the right site of the middle window, would be all frequencies added from middle window to the right window.
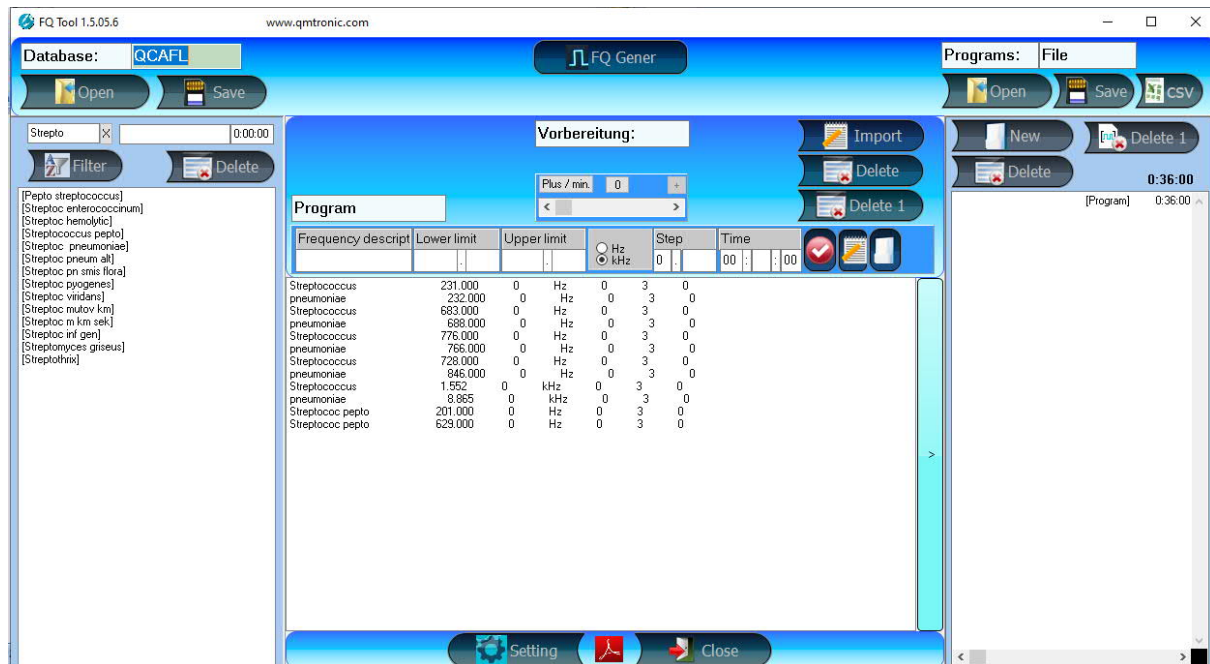
Right window is empty. If would be not empty, you can clear it by button

New . The right window will be deleted.

11) The frequencies are converted from the middle window into the right window. The name of the program will be *Program*. Click on the Long button on the right site of the middle window.
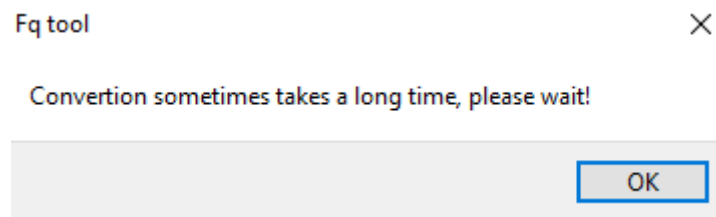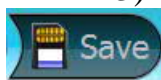
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12) Frequencies were converted from the middle window to the right window. The name of the program is **Program** and it is in the square brackets. In the right window are next to name of program the time information.
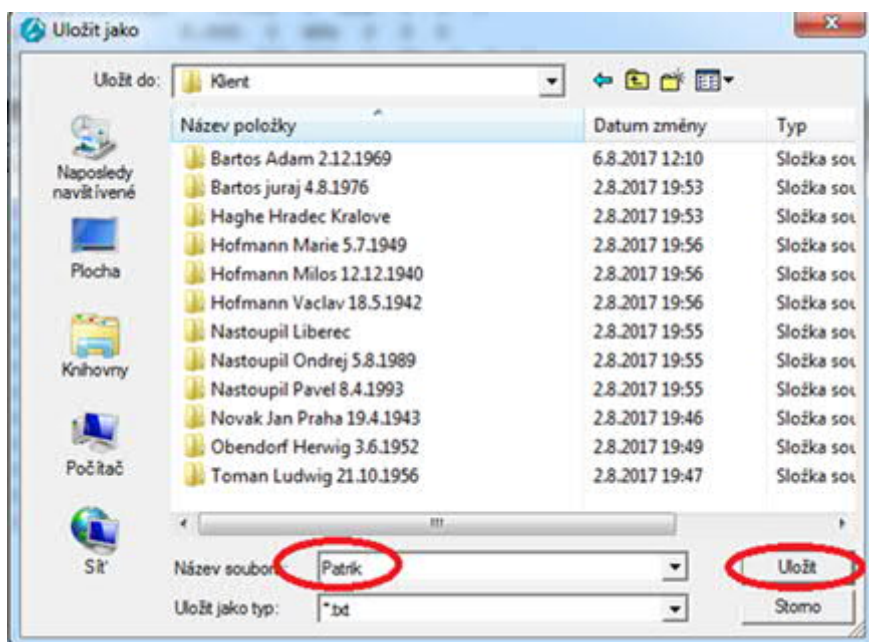
The data in the right window can not be anymore edited, they are ready for reading on the frequency generator. Alternatively you can make deleting of one program (batch).

13) To save created file in the right window will be clicked on the button **Save over the right window.** It will be opened the dialog window.

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The required path and directory will be inserted. Will be filled the required file name *Patrik* and click on the *Save* button. During this step, could be changed the path where the file is saved. It is generally advisable to store all files in one directory with name of client.

File *Patrik* contents only one program with name *Program*.
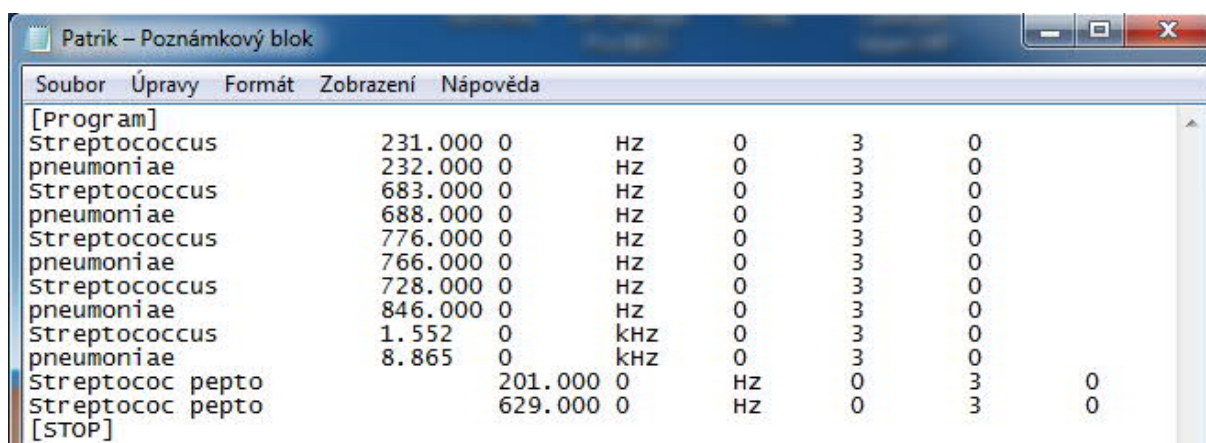
15) The created file must be copied to the SD card. Copying is done using common Windows tools

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The qmtrin file must still be available on the SD card and must be not changed! Changes may cause the device to malfunction. Without this file the frequency generator does not work. There is also usually a Power file. Other files can be deleted regularly to save new created files on SD card.

FQ Tool
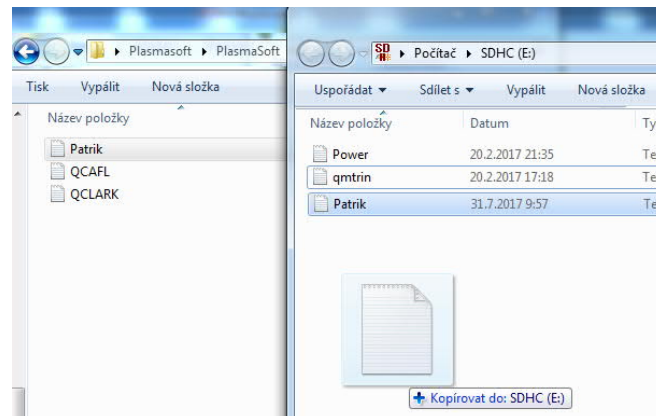
4.2 Example 2 – Frequencies an program to the common file

There is necessary to copy frequencies from the programs *tlak* and *tlak 1*, which are already created in the file of client with name *Peter*. These frequencies will be saved together in program with the name *Davka*. Next will be added the program *Detoxikace* from the database files *QCAFL* and the programs will be added to the existing file *Patrik*, which contents one program *Program* till now.

1) To the right window will be loaded the file *Peter* from the directory of Clients. The right window will be copied to the left window. From this file Peter will be to copied first frequencies or programs.

By the button *Open* will be opened the dialog window.
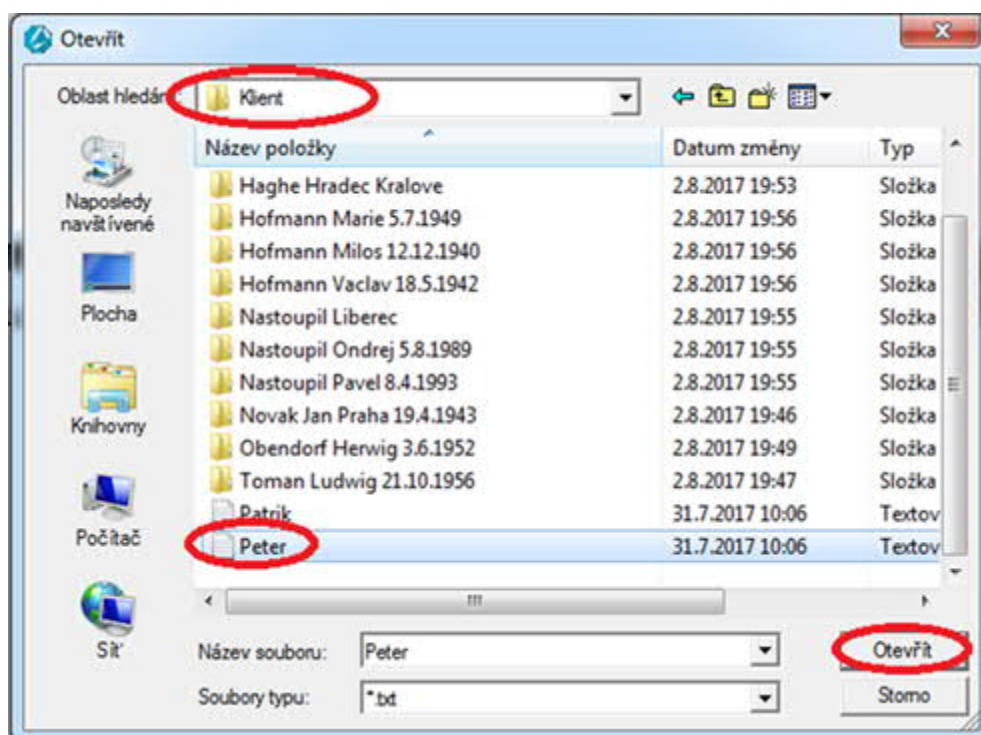
2) The *Peter* file will be loaded to the software FQ Tool to the right window and its content is displayed in the right window.

FQ Tool
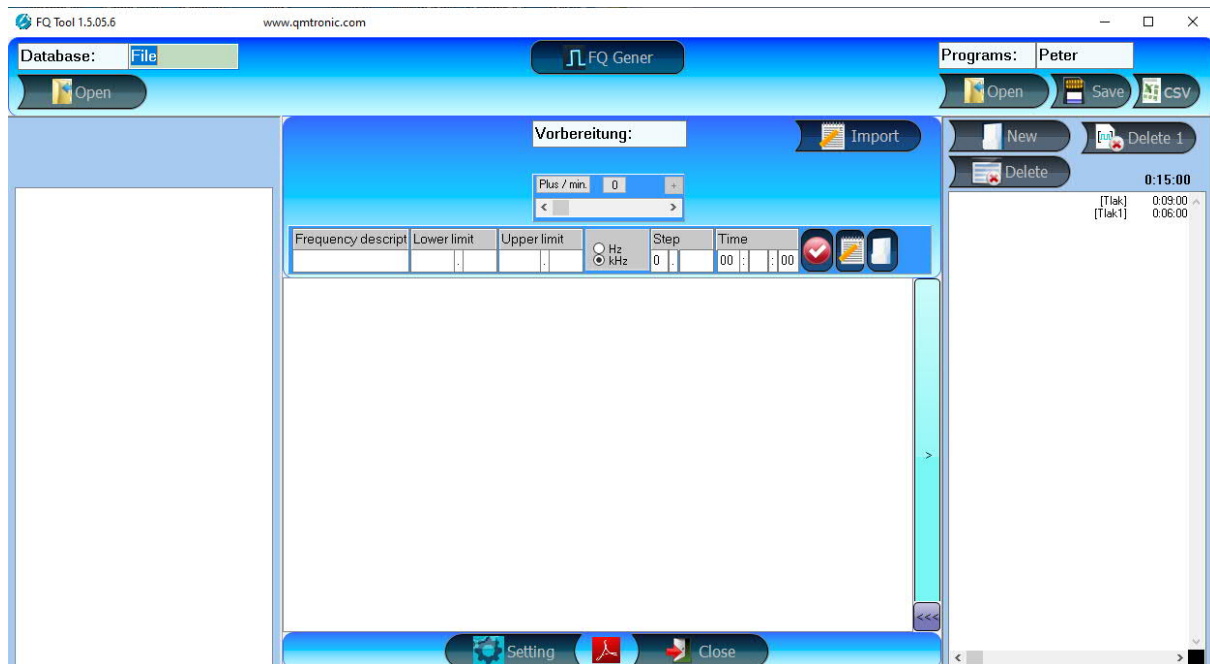
3) Click the button ***Copy to the left window*** to copy right window to the left window.
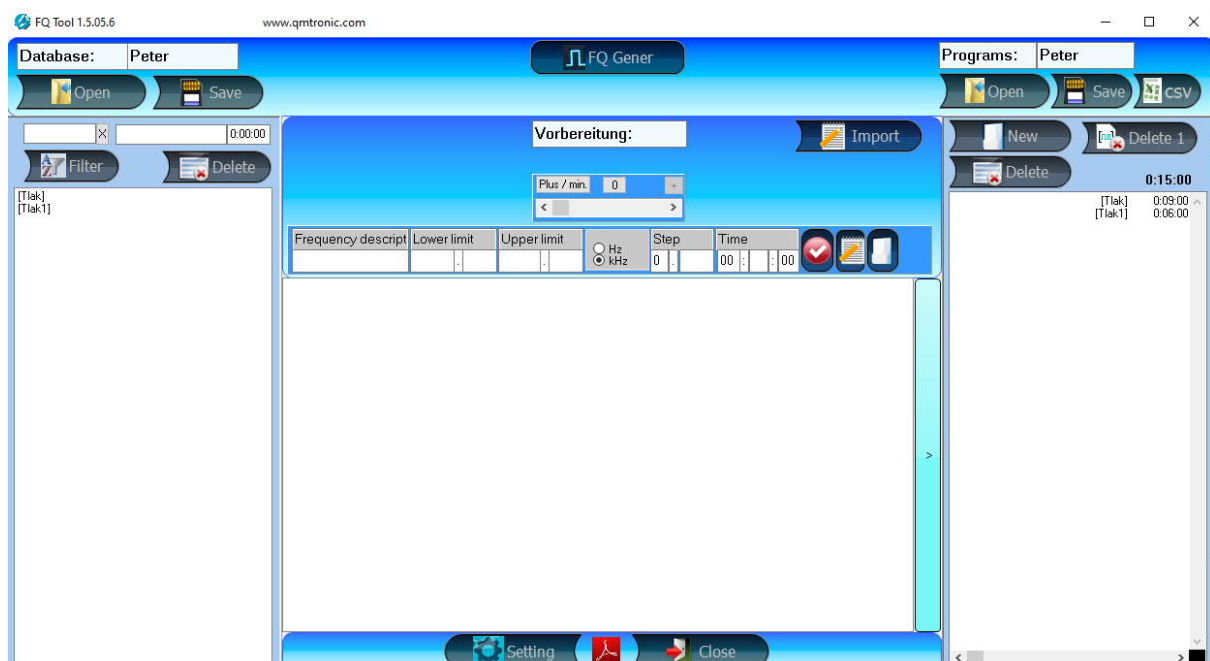
4) As the first should be added the frequencies from the program ***Tlak***. Clicking on the name ***Tlak*** will be name ***Tlak*** marked blue.

If are more programs in the file, there is possible to move in the window by the scroll bar on the right side of the list. During click on any name the name

FQ Tool

will be blue marked. There is possible to move up or down by the arrow keys, by the PgUp and PgDn buttons, or by taping the initial letter of the desired name.
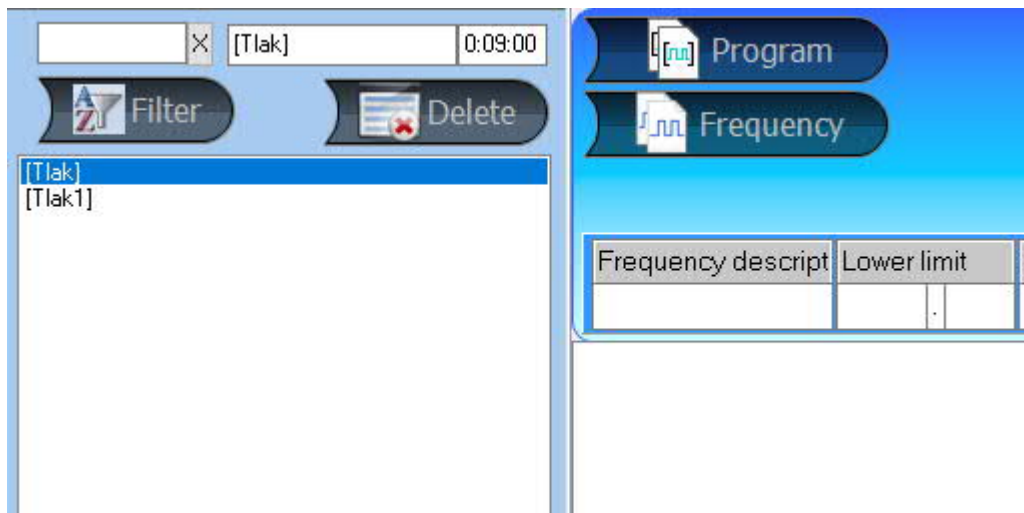
5) Click on the button *Copy Frequency* and frequencies will be copied to the middle window.
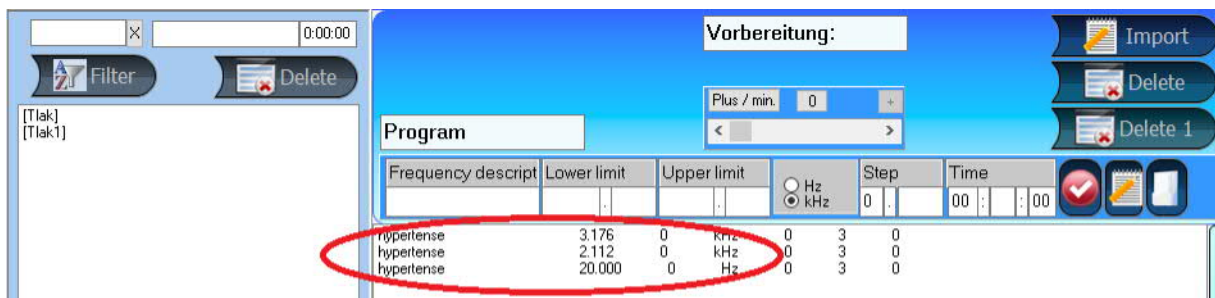
6) Next will be marked the name of second program *Tlak1* and by click on the button *Copy Frequency* will be frequencies copied to the middle window.

FQ Tool
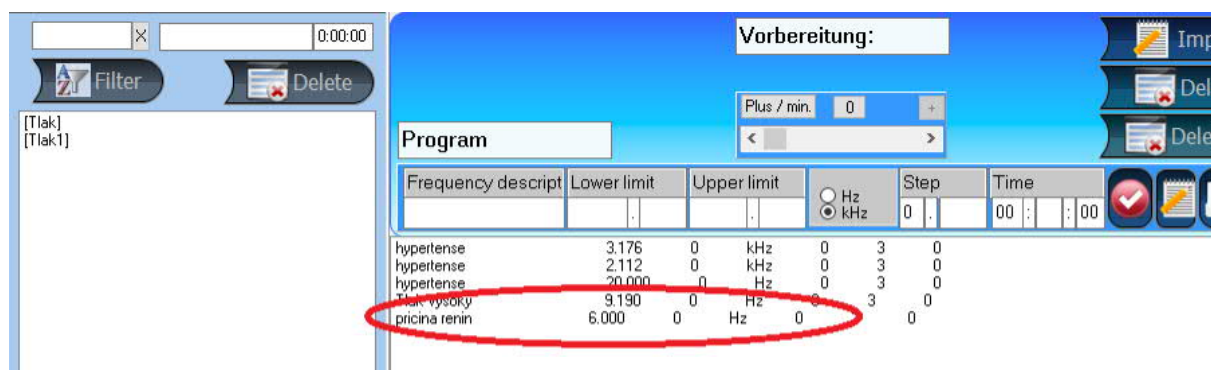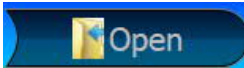
7) The frequencies, which were copied, are in the middle window without any name in the little window over the middle window. (The name is in square brackets). There are only frequencies, no programs. The name will be added during the conversation and the program *Davka* will be created.

In the little window over the middle window, the name could be overwritten - *Davka*.
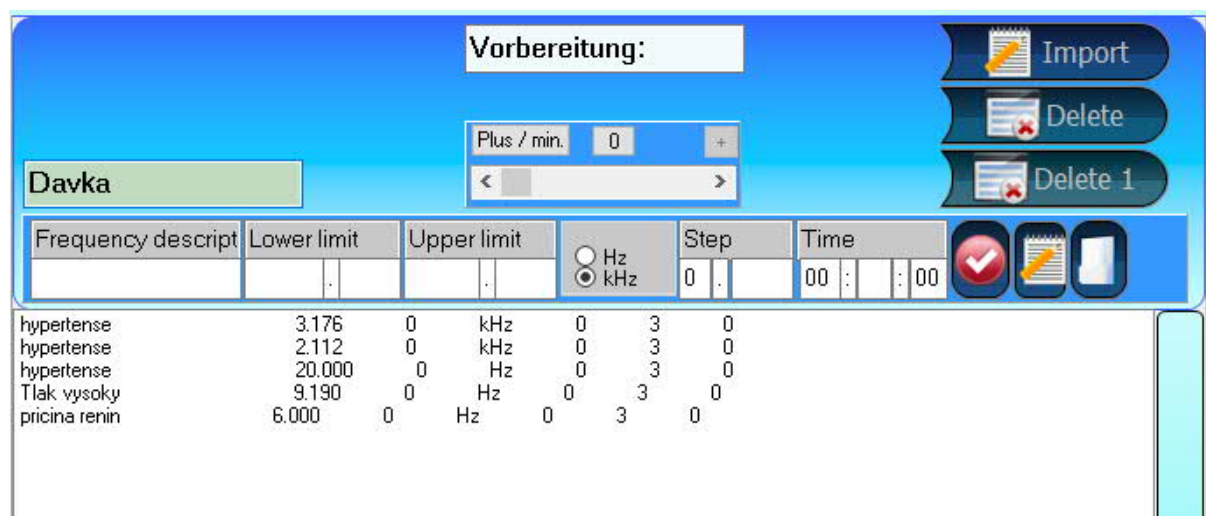
s

8) It is necessary to add into middle window whole program *Detox* from the database file *QCAFL* as a next.

It will be loaded database file *QCAFL*, from which will be to copied frequencies or programs (batches). By the button *Open over the left window* will be opened the dialog window.

FQ Tool
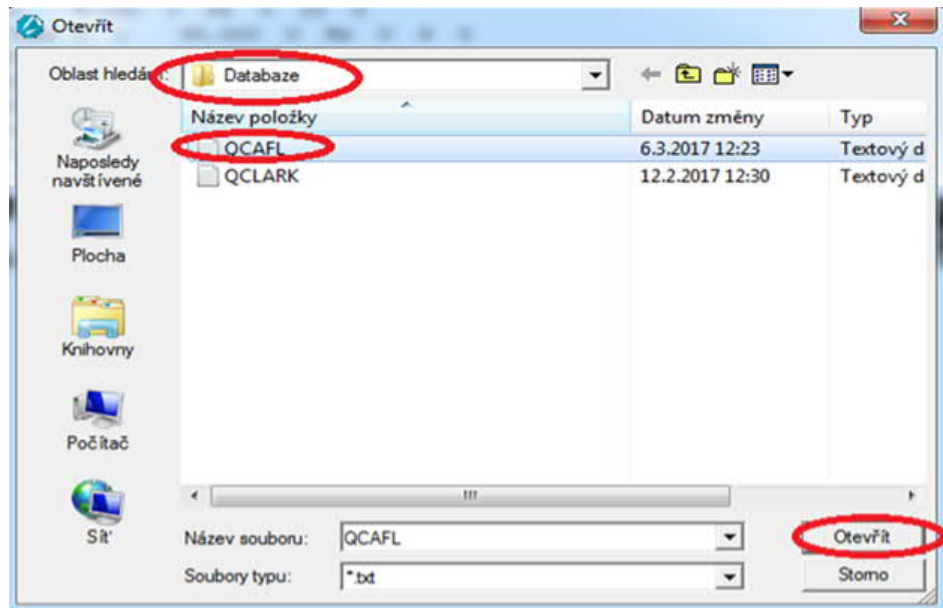
The required path and directory will be inserted. The required file **QCAFL** will be opened and its content is displayed in the middle window. In the middle window are displayed all programs (batches).

In the middle window stay the frequencies prepared in the previous steps the whole times.

9) Click the required program *Detoxikace.* The program will marked.

FQ Tool

10) If are more programs in the file, there is possible to move in the window by the scroll bar on the right side of the list. During click on any name the name will be blue marked. There is possible to move up or down by the arrow keys, by the PgUp and PgDn buttons, or by taping the initial letter of the desired name, or use Filter.
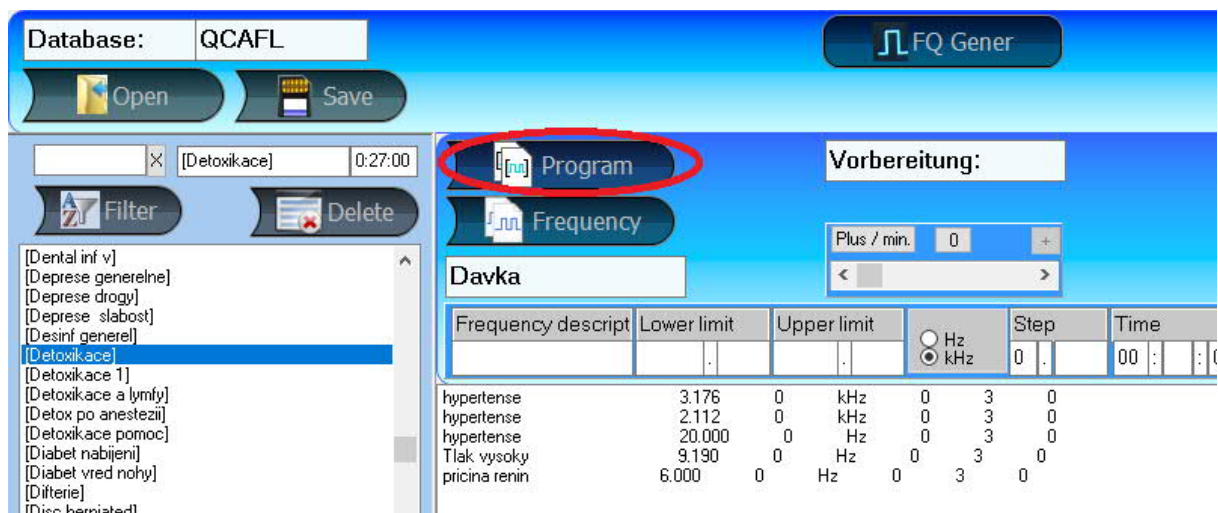

11) There is necessary to copy (add into middle window) the whole program *Detoxikace,* during click on the button *Copy Program*.

The whole program it means the frequencies incl. the name in square brackets have been copied to the middle window.

FQ Tool
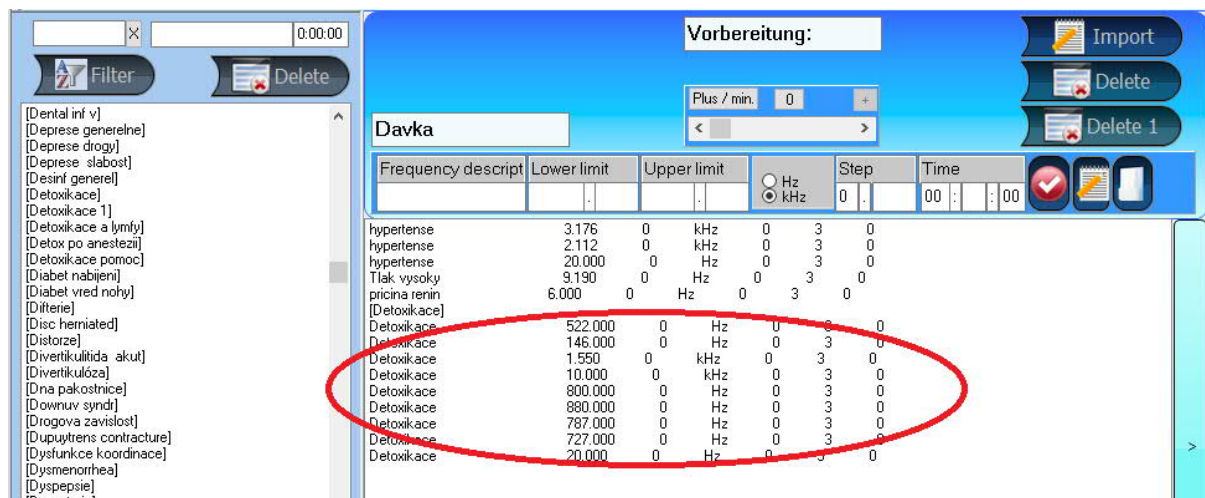
Frequencies and programs are prepared for further processing in the middle window. Entry begins with frequencies without the name in square brackets in the top of middle window, so the name ***Davka*** will be added from the little window in the middle during the conversion.pkrr
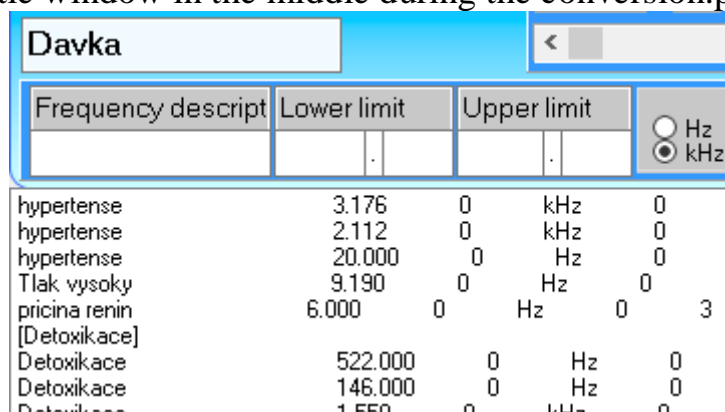
12) Frequencies and programs which are prepared should be added to an existing file with name ***Patrik***, which already contains one program with name ***Program***.

The file ***Patrik*** will be loaded to the right window, in which should be added the frequencies and programs, during the click on button ***Open over the right window.*** It will be opened dialog window.

FQ Tool
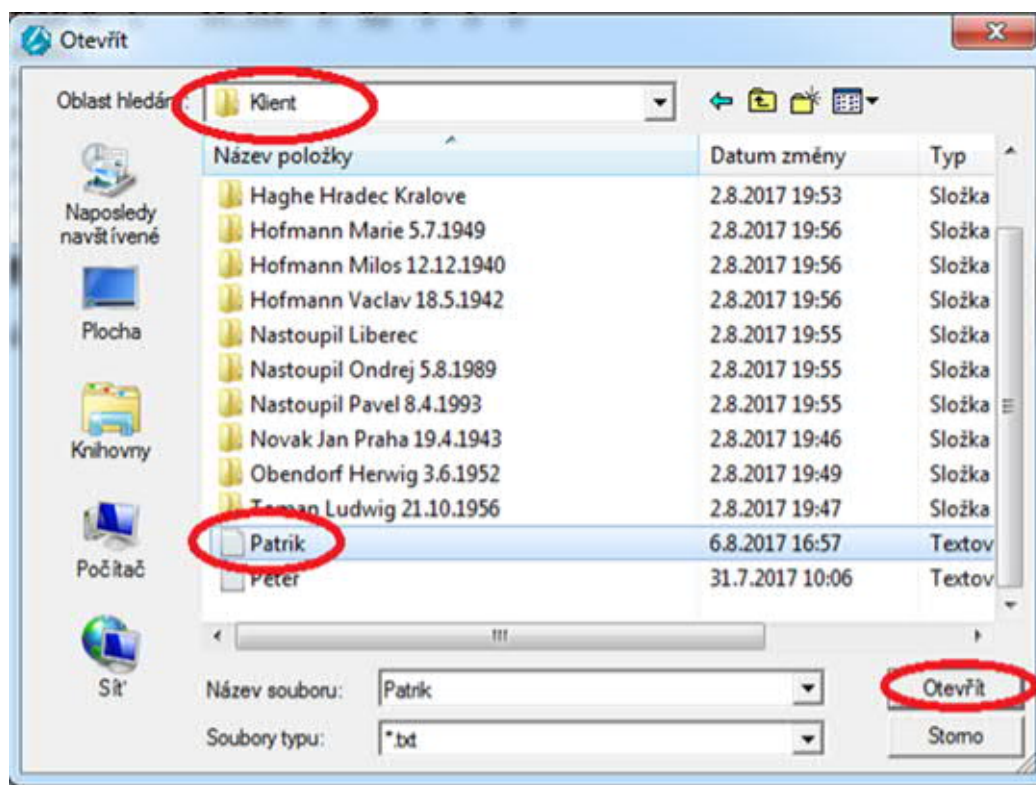
13) In the middle window are the frequencies and programs to be added. The right window displays all programs from the **Patrik** file, to which new programs will be added. In the little window over the middle window is the name of the new prepared programs, which will be added to the frequencies in the middle window if the frequencies start without a name in square brackets.
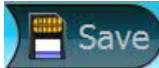
FQ Tool

14) By click on long button on the right site of the middle window will be converted the middle window in to the right window. If entry begins with frequencies without the name in square brackets in the top of bottom window, middle the name *Davka* will be added from the little window in the middle during the conversion.
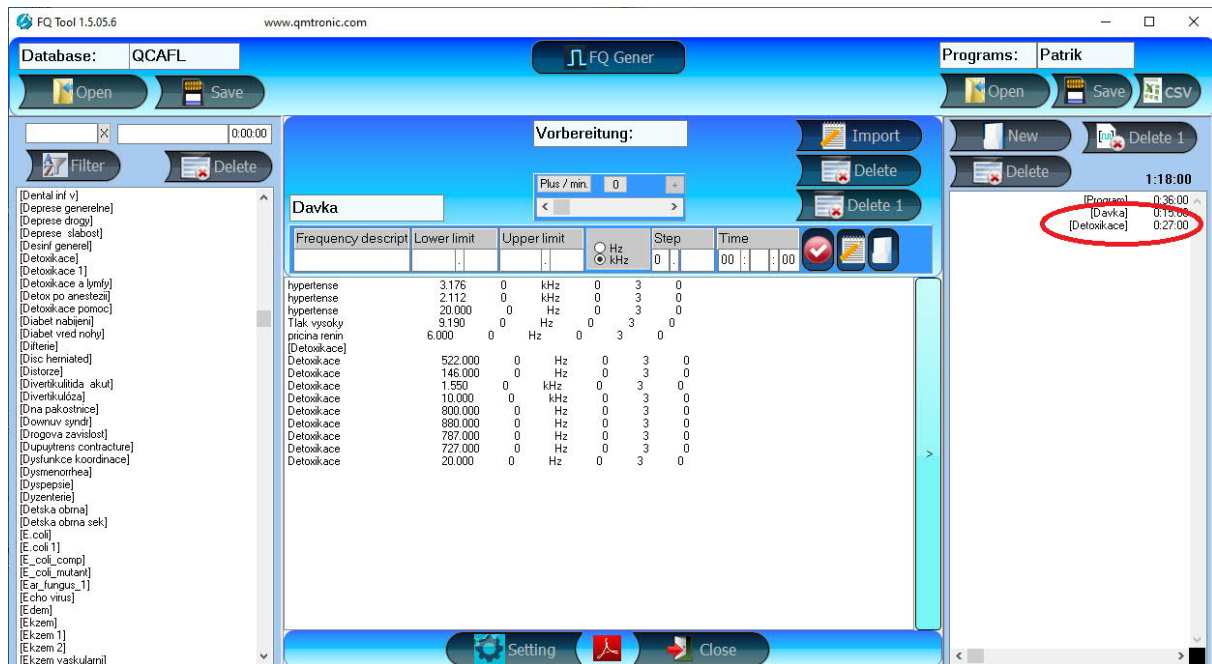
The name of program *Detoxikace* stay without any changes and all programs are adder after existing program *Davka*.

15) Changing of file *Patrik* will be saved by button *Save over the right window*.

The file *Patrik* contents 3 programs: **Program, Detoxikace and** *Davka* now.

16) The created file must be copied to the SD card. Copying is done using common Windows tools

FQ Tool

The qmtrin file must still be available on the SD card and must be not changed! Changes may cause the device to malfunction. Without this file the frequency generator does not work. There is also usually a Power file. Other files can be deleted regularly to save new created files on SD card.

FQ Tool
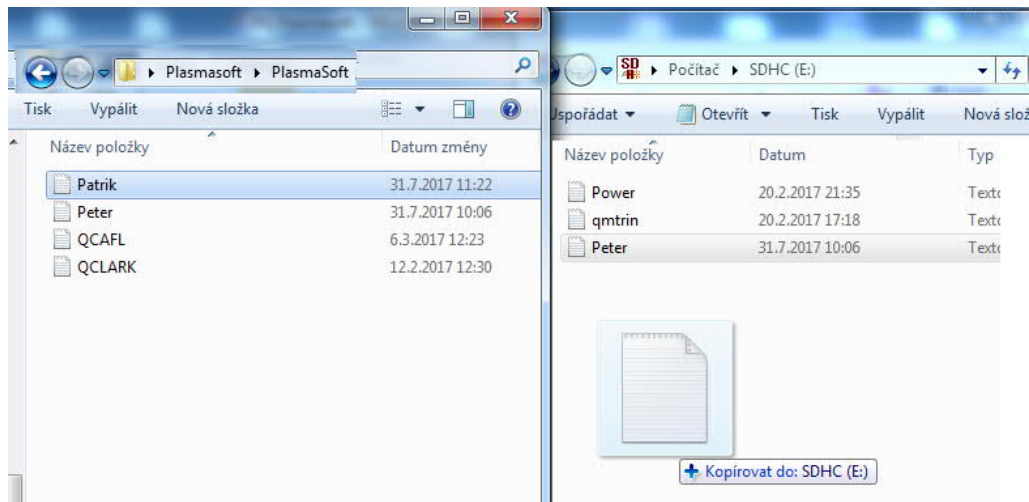
4.3 Example 3 – Delete Program

Program (batch) *Davka* in file of client *Patrik* will be deleted.

1) File *Patrik* will be loaded from the directory of Clients to the right window. From this file Patrik will be deleted a program. By the button *Openover the right window* will be opened the dialog window. The file *Patrik* will be marked. It turns blue.
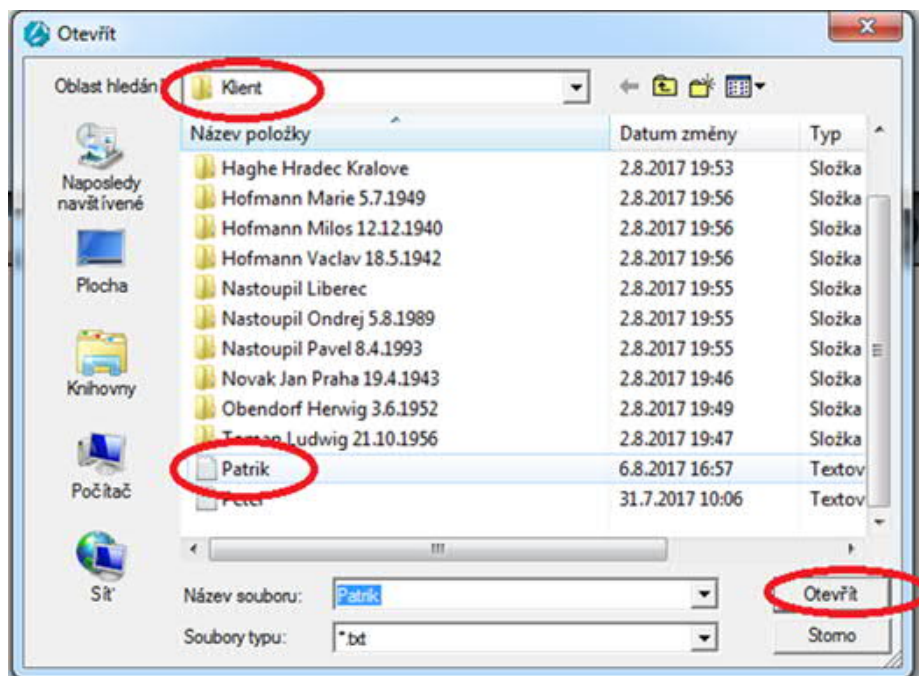
2) The *Patrik* file will be loaded to the software FQ Tool and its content is displayed in the right window. In the right window are displayed all programs (batches).

FQ Tool
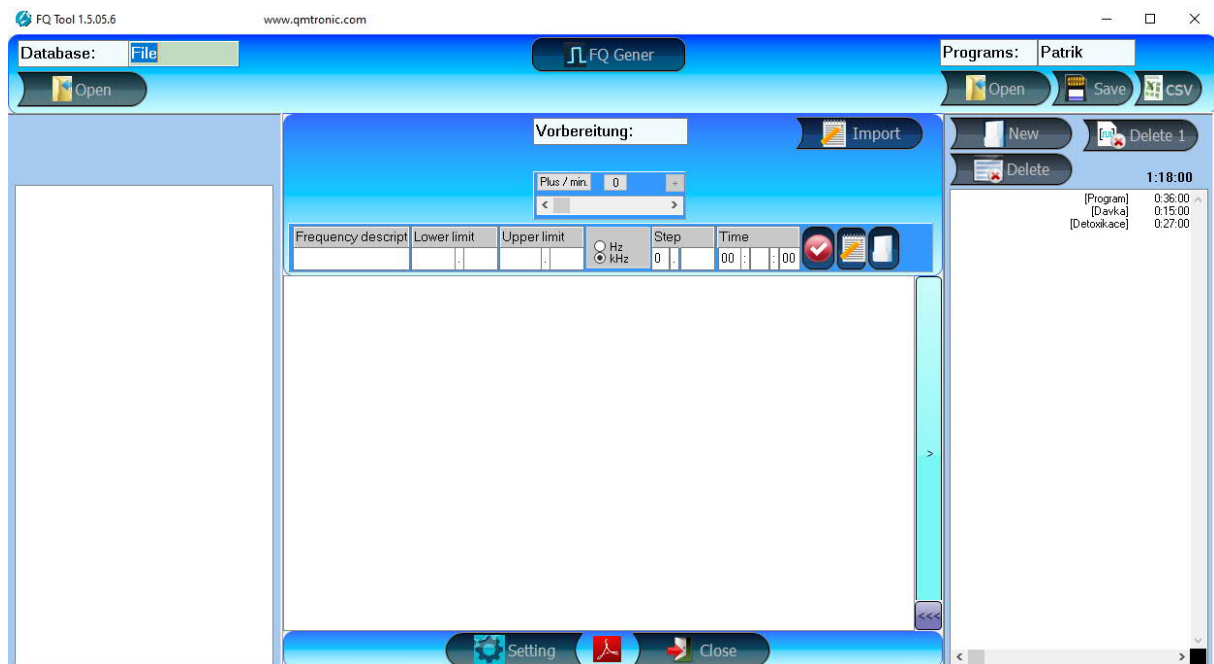
3) Click the **_Delete 1_** button to display the following window.
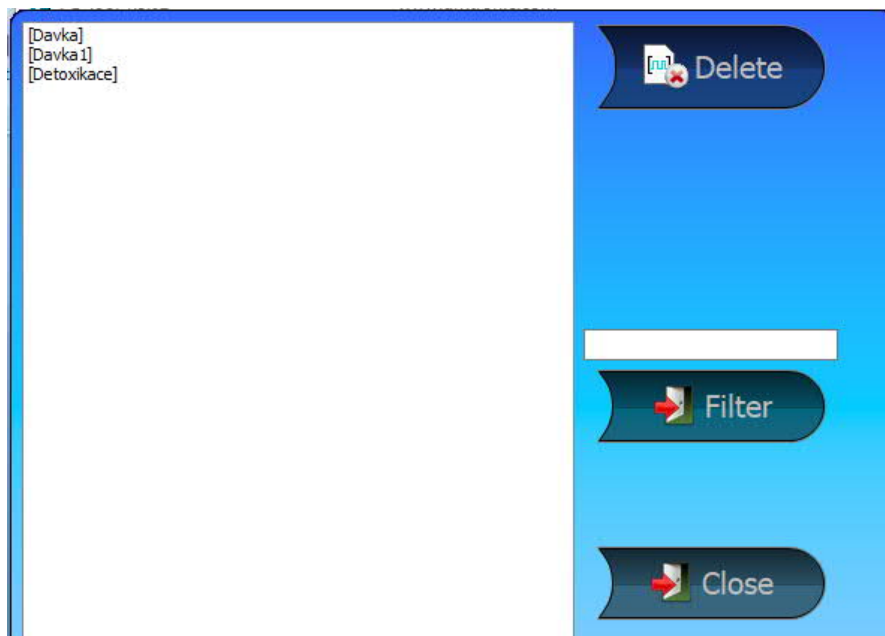
There is a list of programs (batches) in dialog window.

If are more programs in the file, there is possible to move in the window by the scroll bar on the right side of the list. During click on any name the name will be blue marked. There is possible to move up or down by the
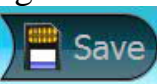
FQ Tool

arrow keys, by the PgUp and PgDn buttons, or by taping the initial letter of the desired name.

4) The program (batch), which should be deleted, will be marked and by click the button [Delete] *Delete* will be the file deleted, in this case will be marked program *Dávka*.
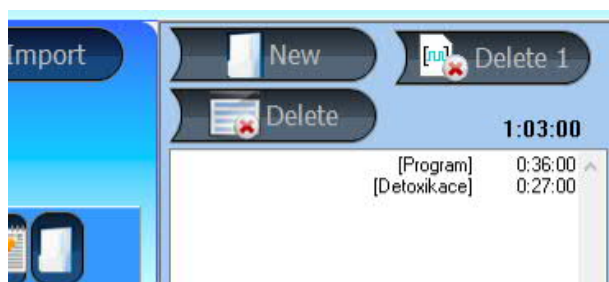
The dialog window will be closed and the program ***Davka*** in the right window will be deleted.

5) Changing of file ***Patrik***, which is displayed in right window, will be saved by button [Save] ***Save.***

6) The created file must be copied to the SD card. Copying is done using common Windows tools.
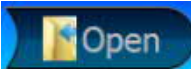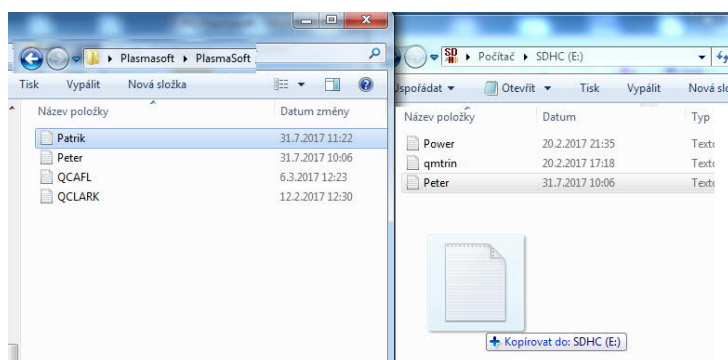

The qmtrin file must still be available on the SD card and must be not changed! Changes may cause the device to malfunction. Without this file the frequency generator does not work. There is also usually a Power file. Other files can be deleted regularly to save new created files on SD card.

FQ Tool

5 Import from the file CSV

The program (batch) can be imported from supported CSV files. A suitable format is offered, for example, by F Scan

The button **Import** opens a dialog box for selecting a CSV file.
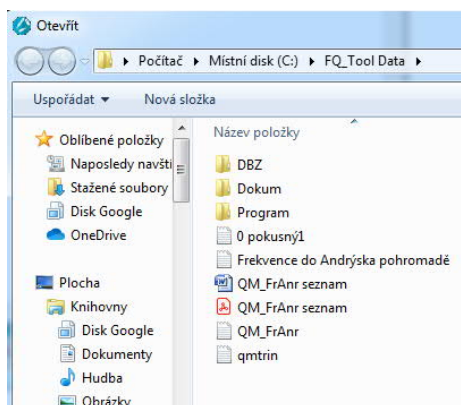
The file is found and the **Open** icon is clicked.

The data, if compatible, is imported into the middle window. Data can be imported separately into an empty middle window, or it can be added to line breaks that are prepared in the middle window.

If the request is to create a program (batch) only from this data, click on the elongated button to the right of the middle window.

If the right window is not empty, it can be emptied with the **New** button .

The data is converted to the right window and the prepared program (batch) is saved to a file with the button **Save** .

FQ Tool

6 Transferring the program from Ravo Rife
6.1 Selection of program (batch) in Ravo Rife

Batch is similar name for *Program*. First of alle will be worked in software RavoRife. By click on button „Client" \ „List of Clients" will be opened window, in which will be changed the clients, will be added the pathogens and will be composed the programs (batches).

The required client will be selected and marked, color will turn blue. In the window bottom right will be clicked on the required program (batch), color will turn blue.

The selected program (batch) is twice clicked or will be clicked on the button *Edit* button under the List of program.

Will be opened the dialog window to make changes of programs.

FQ Tool
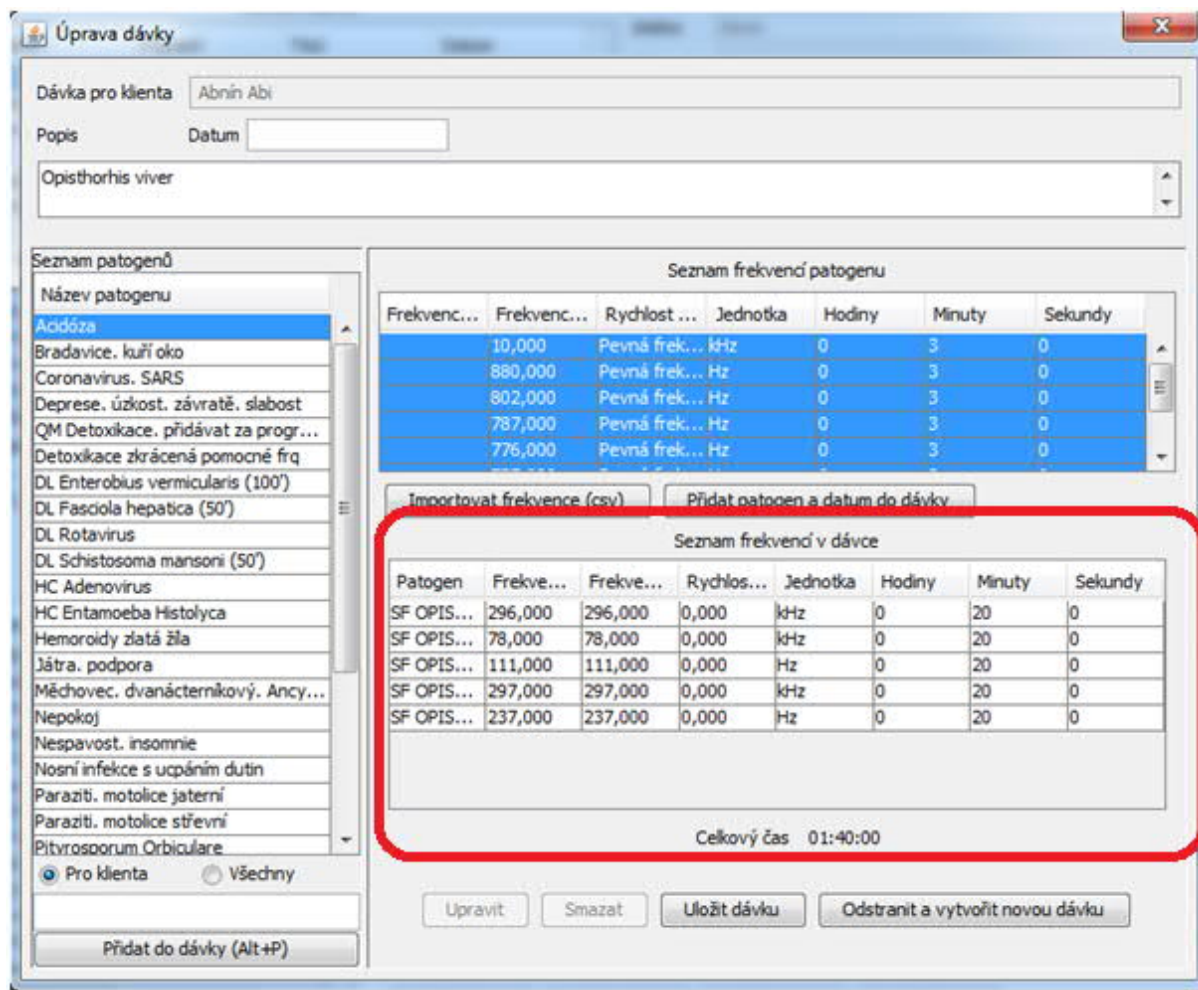
Right bottom is an window *List of frequencies in Batches* (*Seznam frekvencí v dávce)*. All these frequencies should be transferred to software FQ Tool.

Will be clicked in a line in a List of Frequencies (v **Seznamu frekvencí**) ant the line will be marked blue.

FQ Tool

On keyboard **Ctrl + A =** all lines = all frequencies will be blue.

Seznam frekvencí v dávce							
Patogen	Frekve...	Frekve...	Rychlos...	Jednotka	Hodiny	Minuty	Sekundy
SF OPIS...	296,000	296,000	0,000	kHz	0	20	0
SF OPIS...	78,000	78,000	0,000	kHz	0	20	0
SF OPIS...	111,000	111,000	0,000	Hz	0	20	0
SF OPIS...	297,000	297,000	0,000	kHz	0	20	0
SF OPIS...	237,000	237,000	0,000	Hz	0	20	0

On keyboard **Ctrl + C** all frequencies will be copied in a buffer. (Buffer is some case in PC)

That is all in software Ravo Rife.

There is necessary to continue in software FQ Tool.

FQ Tool

6.1 Insert in FQ Tool

1) Start the software FQ Tool. Click the mouse in the middle window top. The middle window must be switched to citation mode with the button

. The middle window is blue-green, clicks on the window and the cursor flashes at the top left.
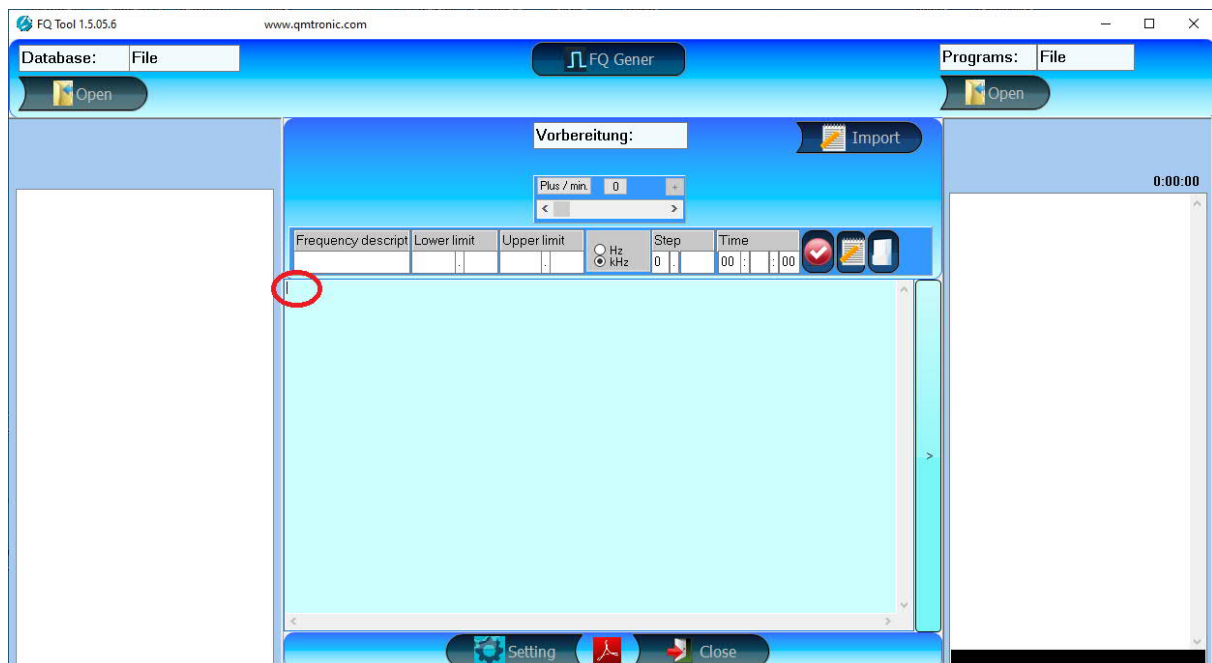
You will click to the blue-green window . The cursor flashes at the top left

2) There are frequencies in the Buffer the whole time.

On keyboard **Ctrl** + **V** = frequencies will be inserted in middle window. For example would be inserted 2 lines of Rotavir.

FQ Tool
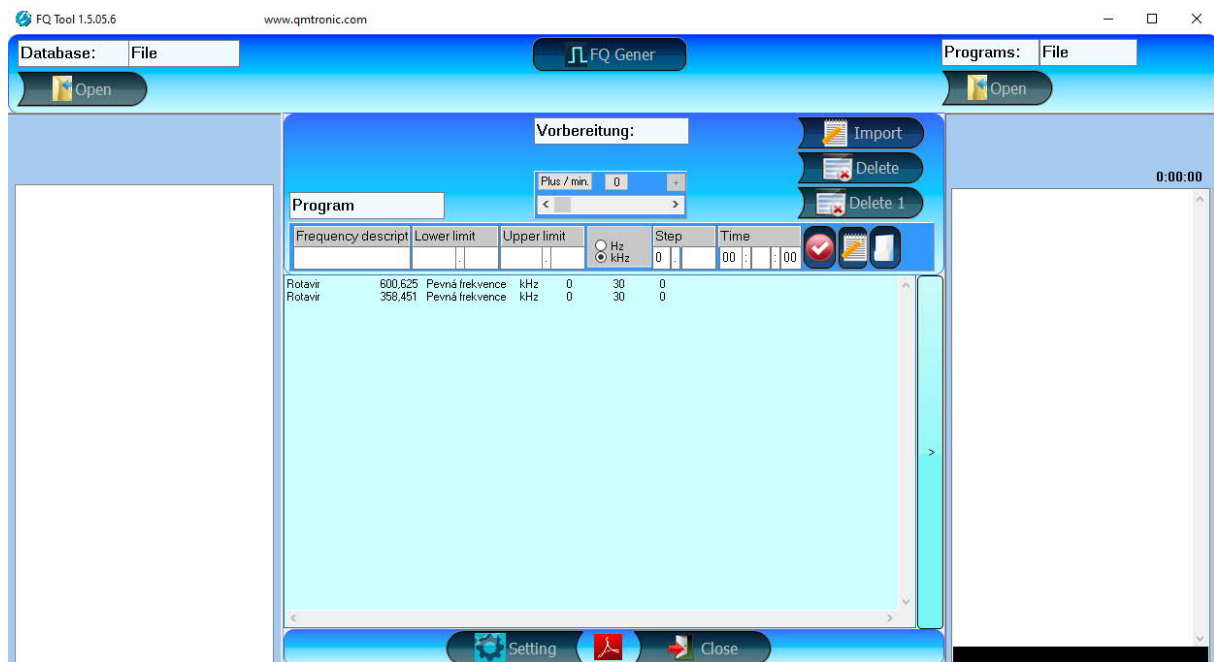
3) The name **Program** will be changed on for example **Rotavir** in the little window over the middle window. Right window is clear.

4) If should be made new program for new client, the right window is still clear. Frequencies form the middle window will be converted to right window by click on the long button on the right site of the middle window.
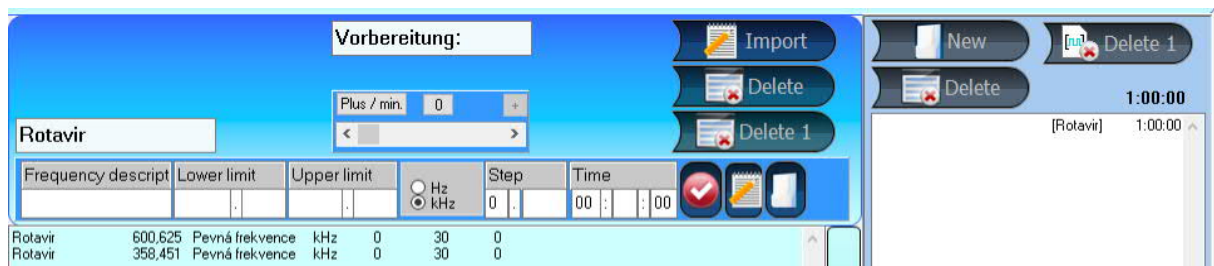
5) If should be made new program for exist client, will be opened the required client, it means the required file by click on button **Open**. For example file **Peter.** In the right window are displayed all programs (batches) of the file.

FQ Tool
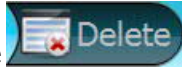
6) Frequencies form the middle window will be converted to right window by click on the long button on the right site of the middle window. They are added below existing frequencies. The name of the program will be changed in the little window over the middle window.

7) If necessary, to add additional frequencies from RavoRife, will be repeated all steps in Chapter 4.

The middle will be not clear (not to use the button **Delete)**, new frequencies will added below frequencies form the previous steps.

This procedure generates an increasing and larger program (batch).

8) Assemblies of frequencies can be converted under a new name. It is necessary to delete middle window by the button **Delete** before the next setting. Into the right window will be converted next and next programs which have different name. The name will be changed in the little window in the middle.

FQ Tool

9) To save new file, or to save changing of file **_Peter_**, which is displayed in right window, will be clicked on the button **_Save._**
In case of new file will be opened s new dialog window.

There will be inserted new name of file.

10) The created file must be copied to the SD card. Copying is done using common Windows tools.

The qmtrin file must still be available on the SD card and must be not changed! Changes may cause the device to malfunction. Without this file the frequency generator does not work. There is also usually a Power file. Other files can be deleted regularly to save new created files on SD card.

FQ Tool

7. Example directory layout

There is necessary to make an appropriate selection of the structure and layout of the directory.

Example:

```
├── DBZ ─────────────────────┬── QCAFL
│                            └── QCLARK
│
└── Program ──┬── Bartos Adam 2.12.1969 ──┬── Progr1
              │                           ├── Progr2
              │                           ├── Progr3
              │                           └── Progr4
              │
              ├── Bartos juraj 4.8.1976 ──┬── Progr1
              │                           └── Progr2
              │
              ├── Haghe Hradec Kralove ──┬── Marie1
              │                          ├── Marie2
              │                          ├── Marie3
              │                          └── Uwe
              │
              ├── Hofmann Marie 5.7.1949 ── Progr1
              │
              ├── Hofmann Milos 12.12.1940 ──┬── Progr1
              │                              ├── Progr2
              │                              ├── Progr3
              │                              └── Progr4
              │
              ├── Hofmann Vaclav 18.5.1942 ──┬── Progr1
              │                              ├── Progr2
              │                              ├── Progr3
              │                              └── Progr4
              │
              ├── Nastoupil Liberec ──┬── Alexandra
              │                       ├── Josef
              │                       ├── Patrik
              │                       └── Peter
              │
              ├── Nastoupil Ondrej 5.8.1989 ──┬── Progr1
              │                               └── Progr2
              │
              ├── Nastoupil Pavel 8.4.1993 ── Progr1
              │
              ├── Novak Jan Praha 19.4.1943 ── Progr1
              │
              ├── Obendorf Herwig 3.6.1952 ──┬── Progr1
              │                              └── Progr2
              │
              └── Toman Ludwig 21.10.1956 ──┬── Progr1
                         ○                  ├── Progr2
                         ○                  ├── Progr3
                         ○                  └── Progr4
```