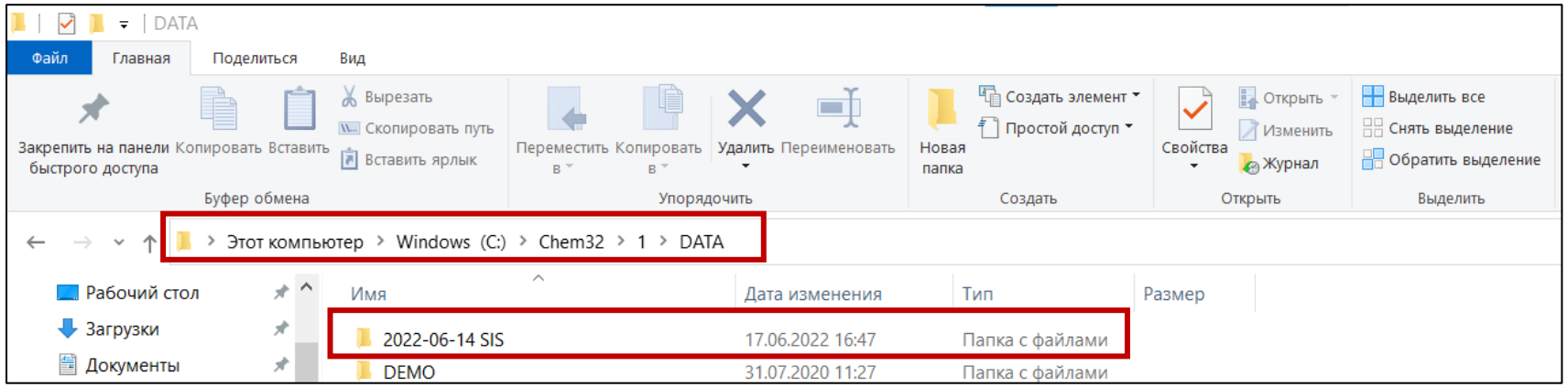
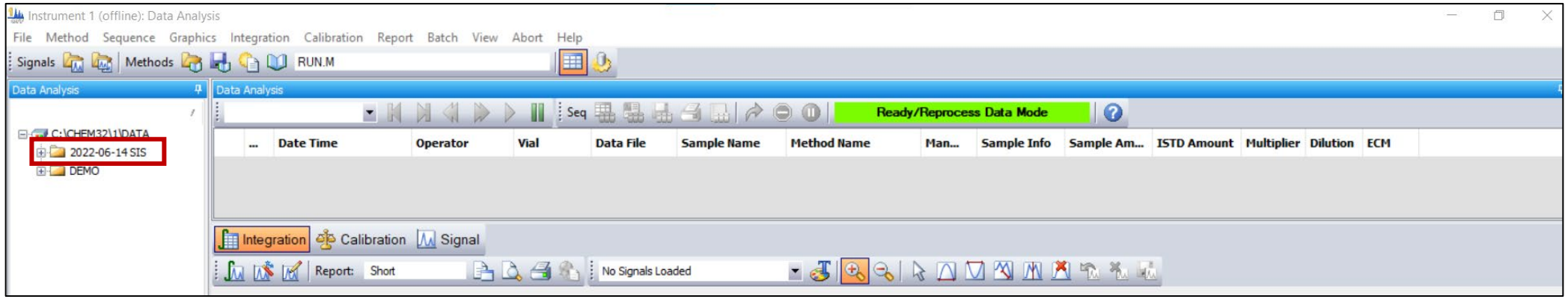
Innovative Internal standard method for Agilent Chemstation

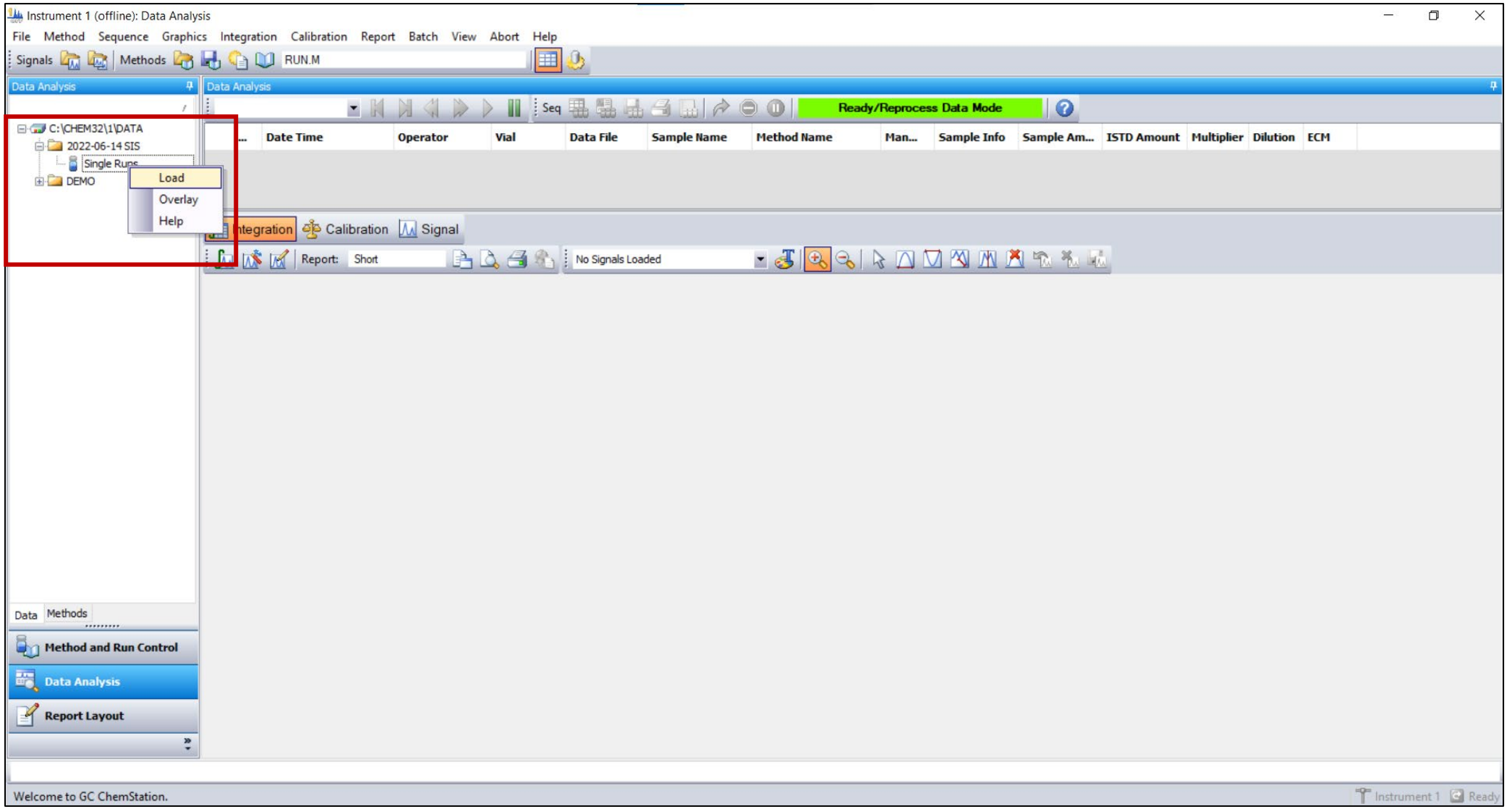
1. Place a folder with measurements by ChemStation



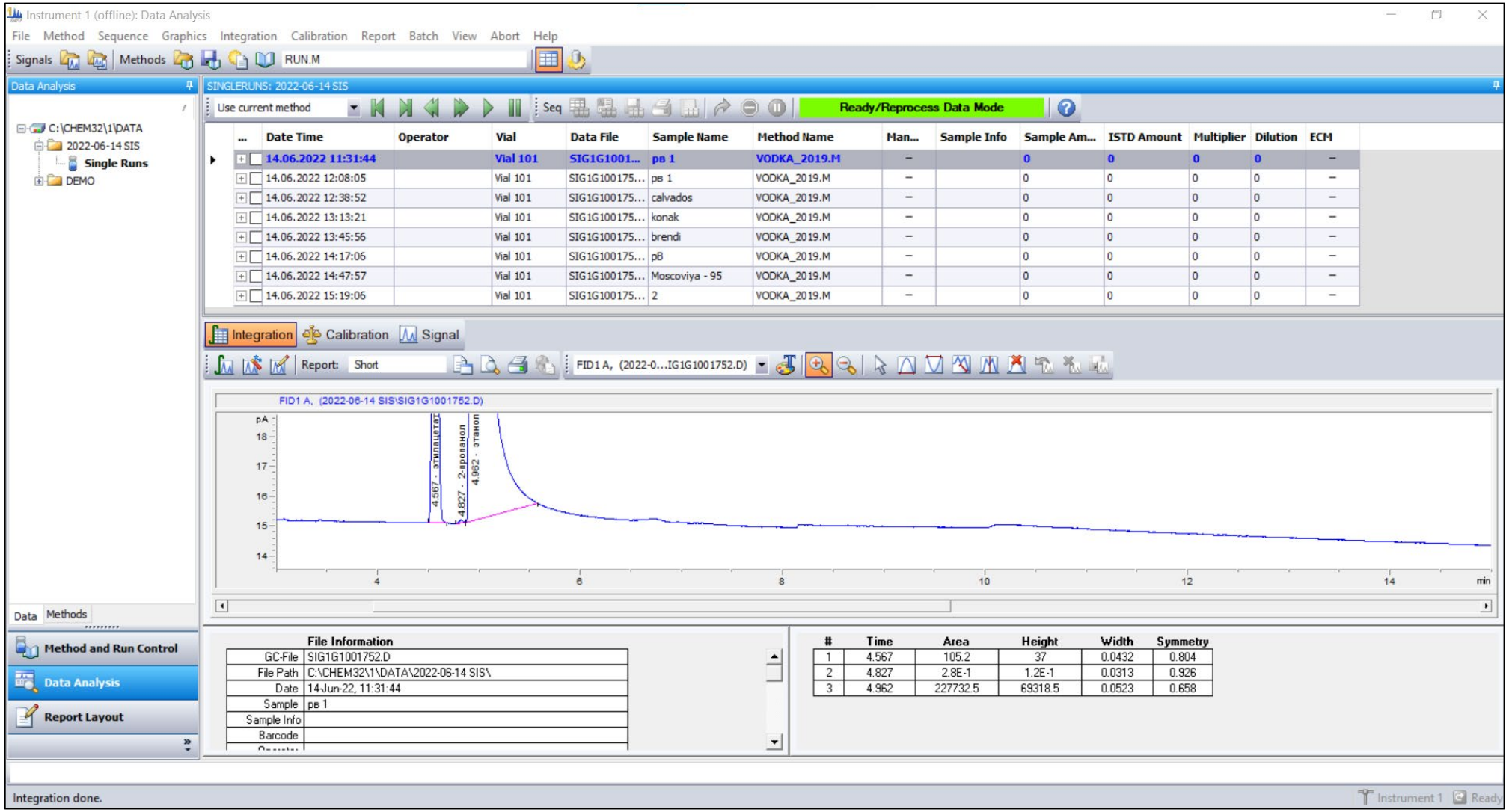
It will appear in ChemStation



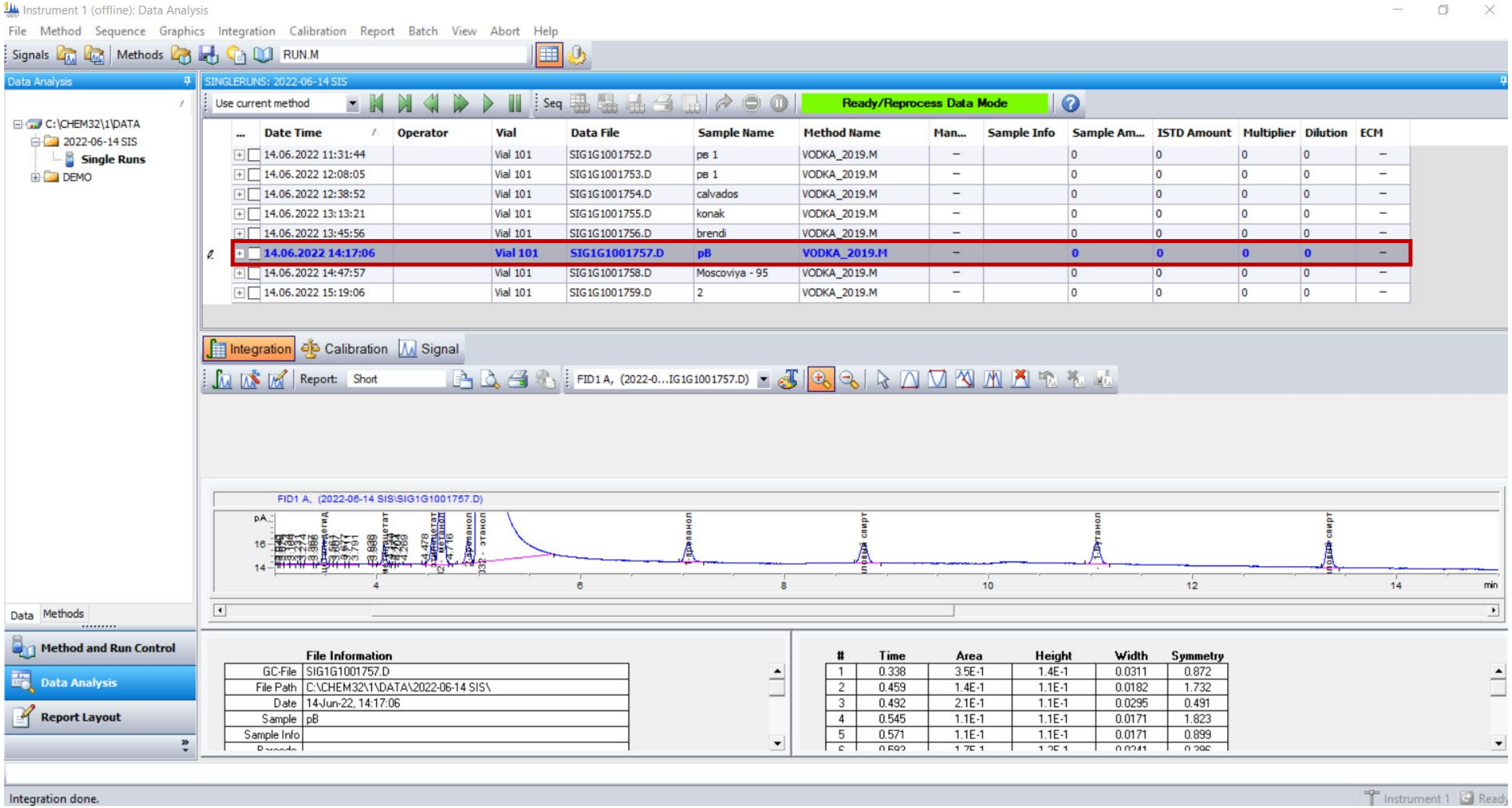
2. Download files



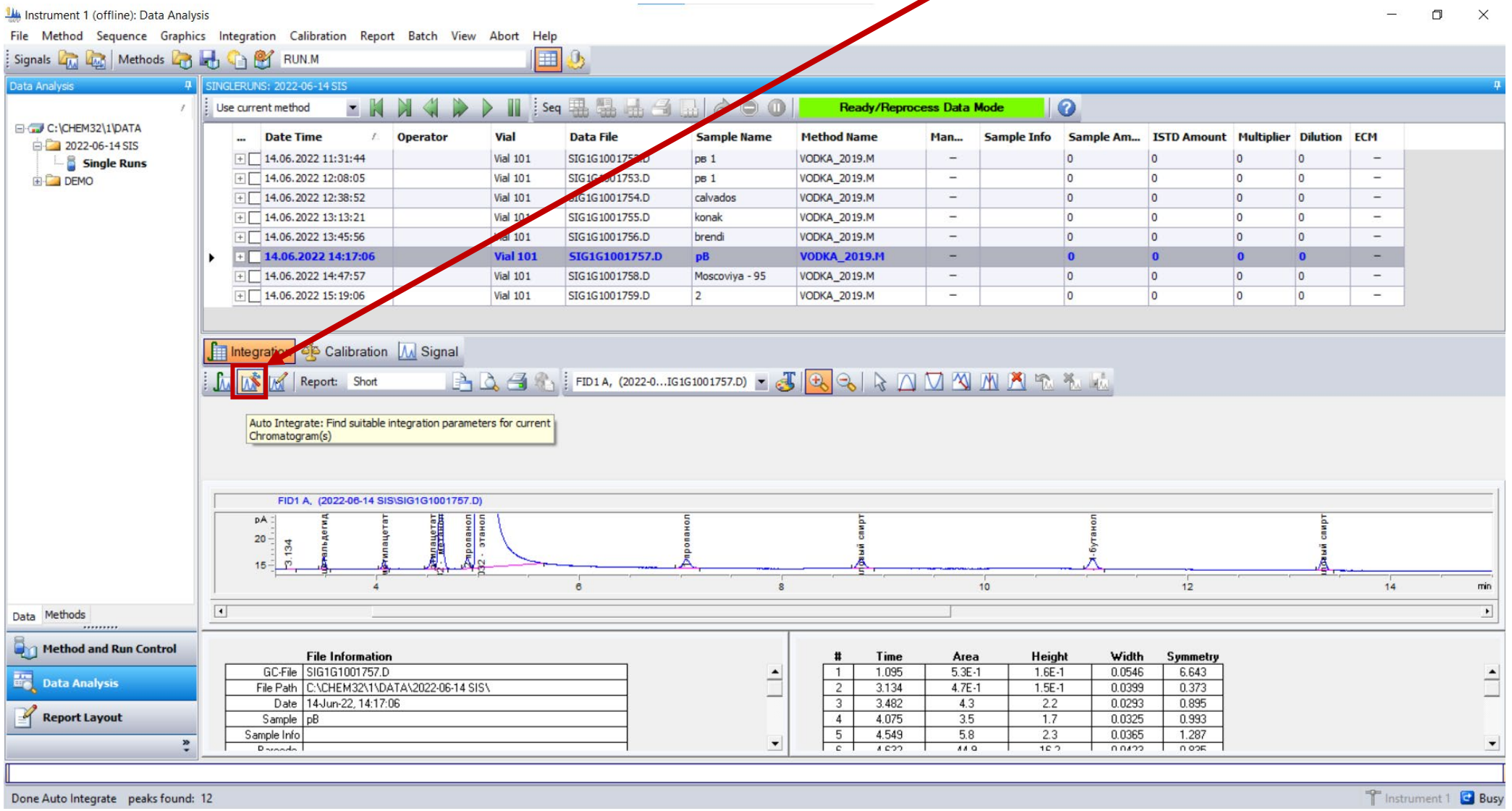
3. Files will appear here



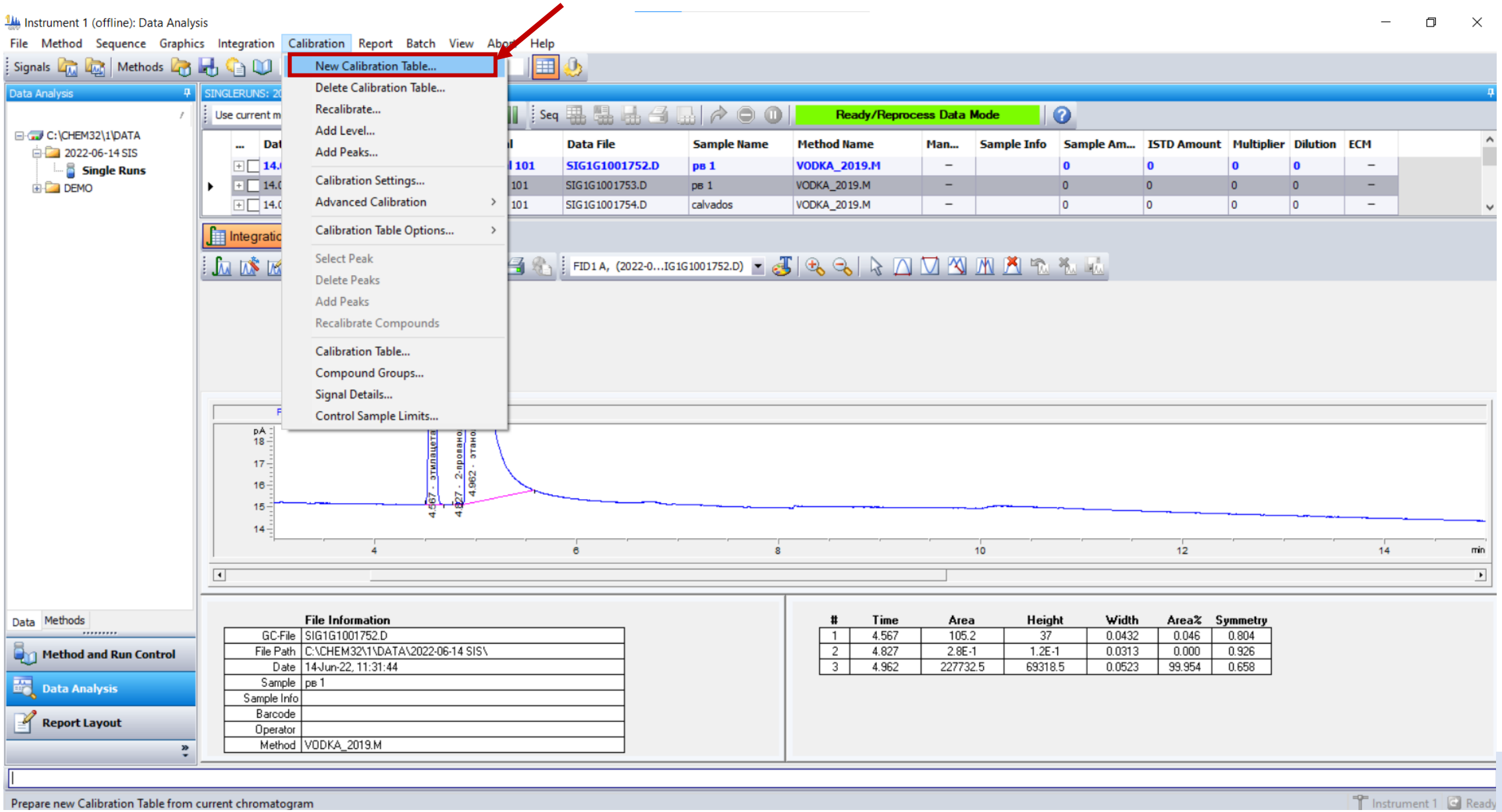
4. Select a file to be used as a calibration



5. Go to Integration tab and click here



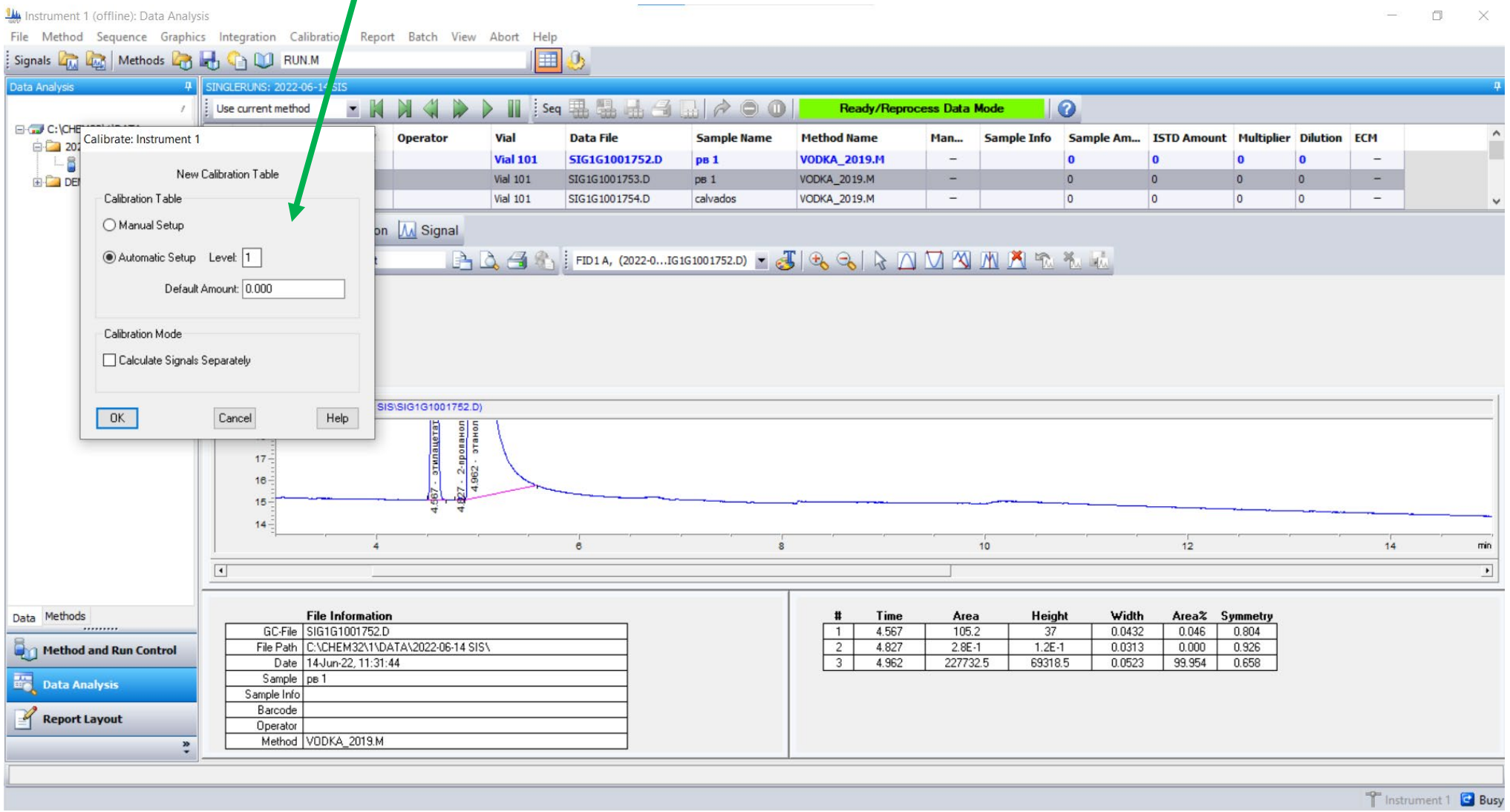
6. Create a new calibration table



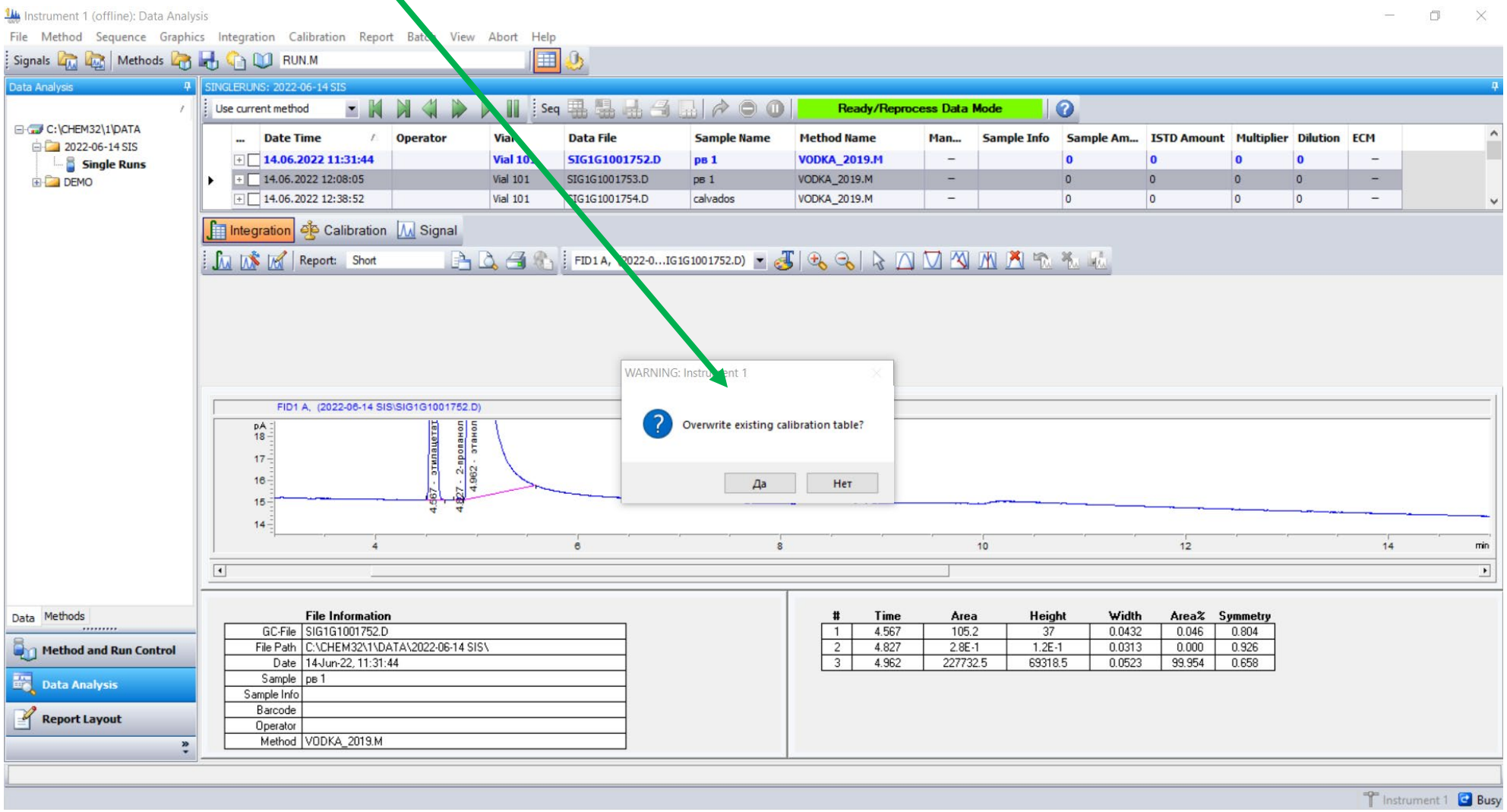
Data File	Sample Name	Method Name	Sample Info	ISTD Amount	Multiplier	Dilution
SIG1G1001752.D	рв 1	VODKA_2019.M		0	0	0
SIG1G1001753.D	рв 1	VODKA_2019.M		0	0	0
SIG1G1001754.D	calvados	VODKA_2019.M		0	0	0

#	Time	Area	Height	Width	Area%	Symmetry
1	4.567	105.2	37	0.0432	0.046	0.804
2	4.827	2.8E-1	1.2E-1	0.0313	0.000	0.926
3	4.962	227732.5	69318.5	0.0523	99.954	0.658

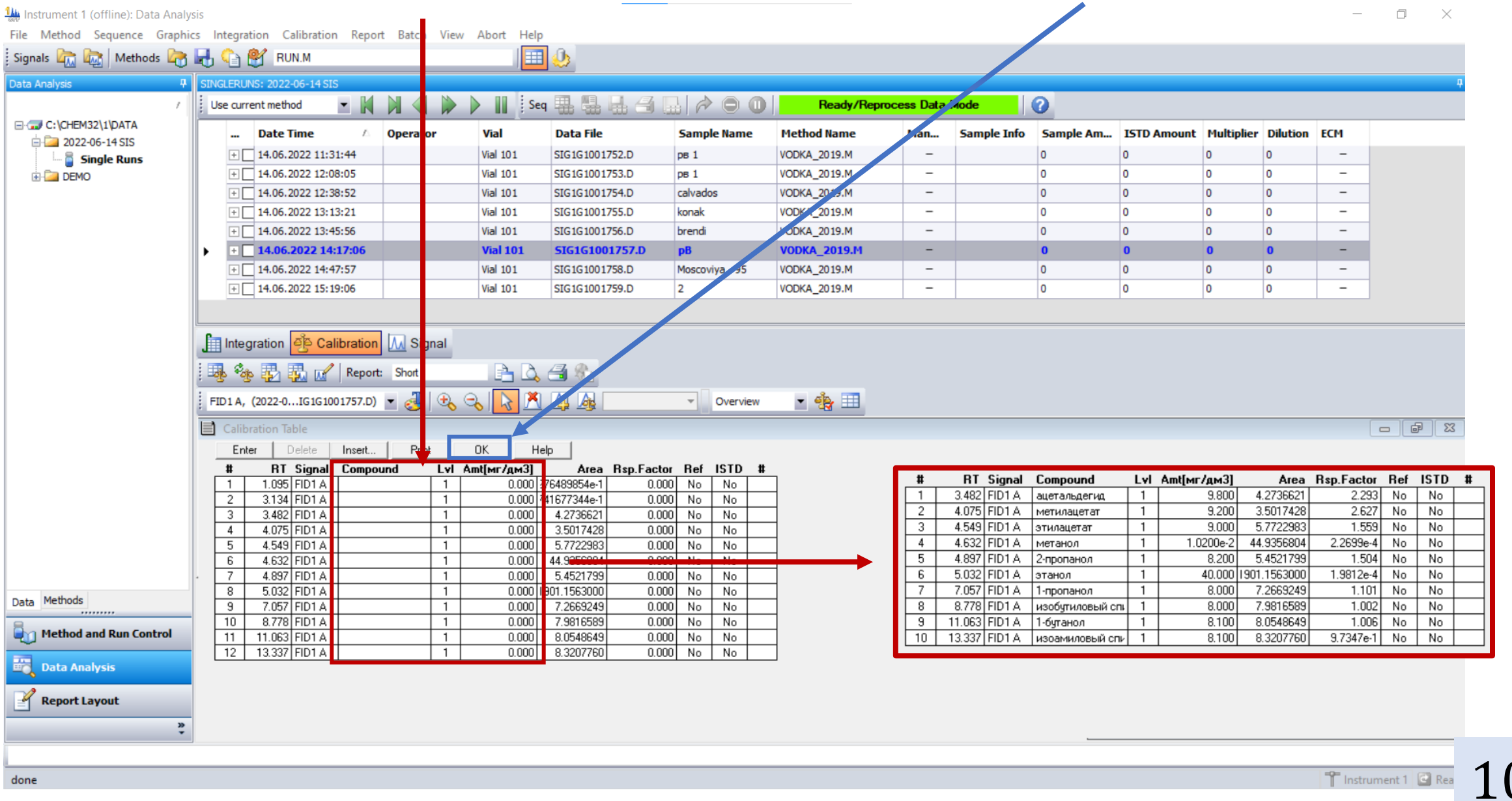
7. A window will appear, click "OK"



8. A window will appear, click "OK"



9. A table will appear, fill it in, click "OK"

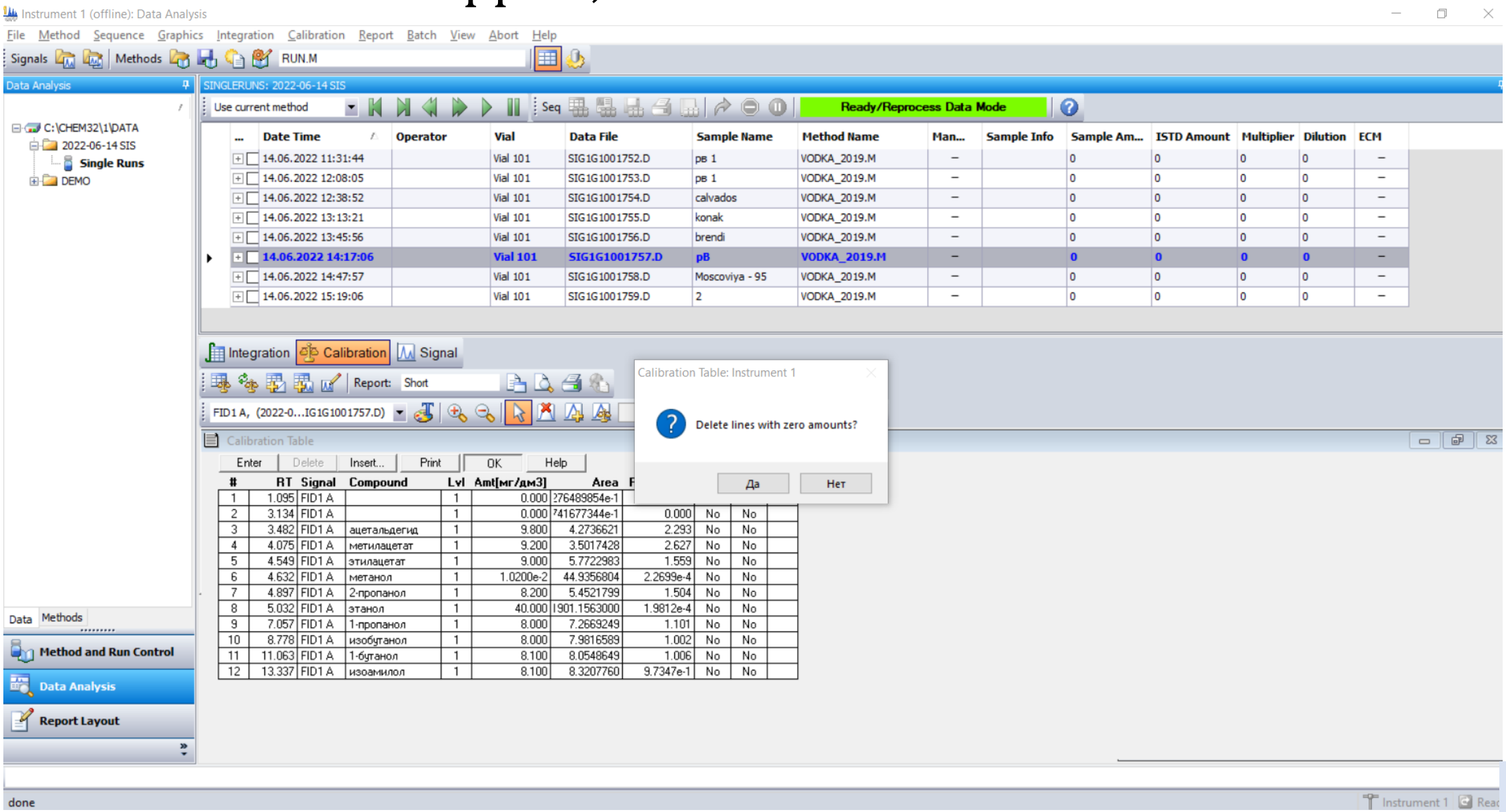


...	Date Time	Operator	Vial	Data File	Sample Name	Method Name	Man...	Sample Info	Sample Am...	ISTD Amount	Multiplier	Dilution	ECM
	14.06.2022 11:31:44		Vial 101	SIG1G1001752.D	рв 1	VODKA_2019.M	–		0	0	0	0	–
	14.06.2022 12:08:05		Vial 101	SIG1G1001753.D	рв 1	VODKA_2019.M	–		0	0	0	0	–
	14.06.2022 12:38:52		Vial 101	SIG1G1001754.D	calvados	VODKA_2019.M	–		0	0	0	0	–
	14.06.2022 13:13:21		Vial 101	SIG1G1001755.D	konak	VODKA_2019.M	–		0	0	0	0	–
	14.06.2022 13:45:56		Vial 101	SIG1G1001756.D	brendi	VODKA_2019.M	–		0	0	0	0	–
	14.06.2022 14:17:06		**Vial 101**	**SIG1G1001757.D**	**pB**	**VODKA_2019.M**	–		**0**	**0**	**0**	**0**	–
	14.06.2022 14:47:57		Vial 101	SIG1G1001758.D	Moscoviya 95	VODKA_2019.M	–		0	0	0	0	–
	14.06.2022 15:19:06		Vial 101	SIG1G1001759.D	2	VODKA_2019.M	–		0	0	0	0	–

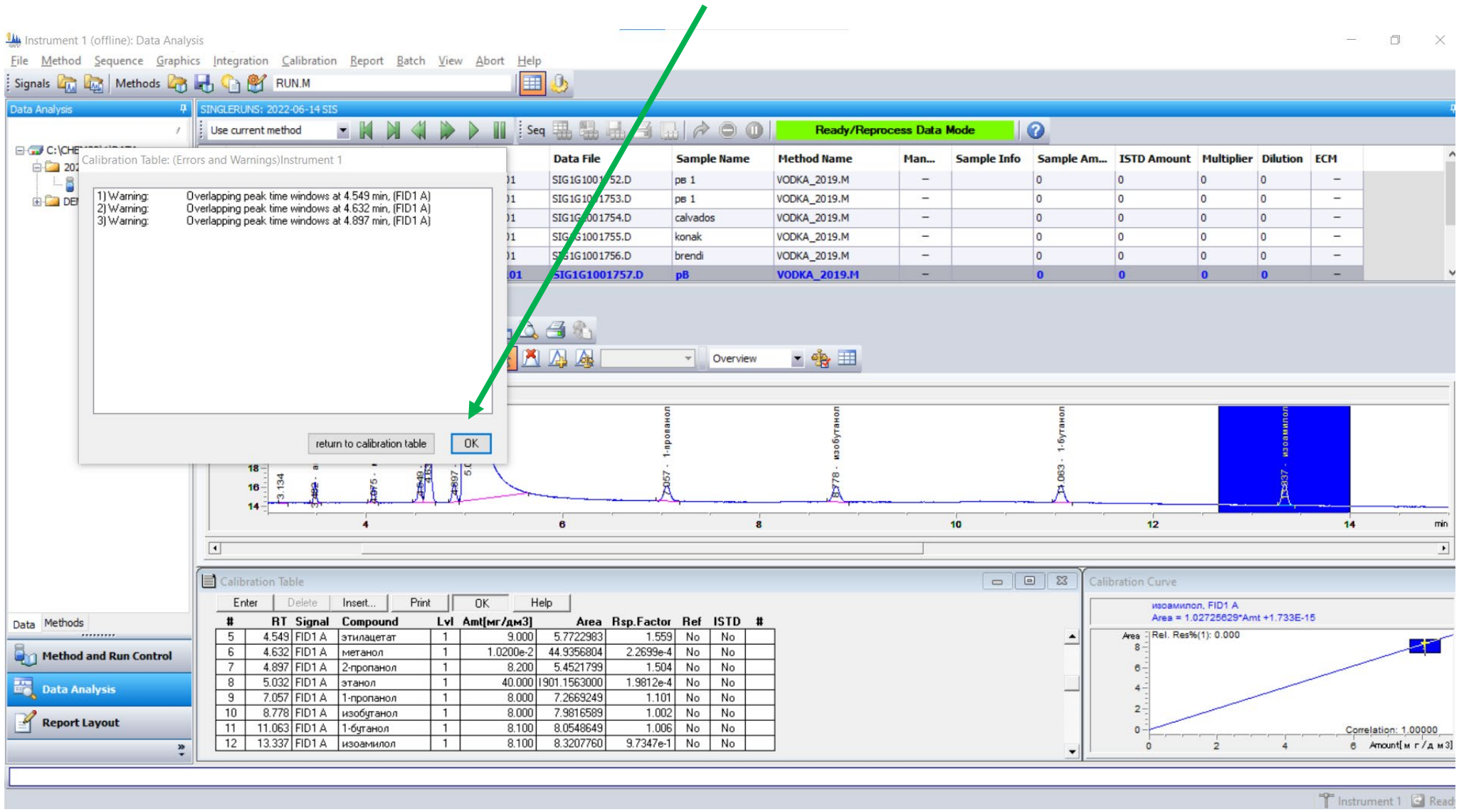
#	RT	Signal	Compound	Lvl	Amt[мг/дм3]	Area	Rsp.Factor	Ref	ISTD	#
1	1.095	FID1 A		1	0.000	76489854e-1	0.000	No	No	
2	3.134	FID1 A		1	0.000	41677344e-1	0.000	No	No	
3	3.482	FID1 A		1	0.000	4.2736621	0.000	No	No	
4	4.075	FID1 A		1	0.000	3.5017428	0.000	No	No	
5	4.549	FID1 A		1	0.000	5.7722983	0.000	No	No	
6	4.632	FID1 A		1	0.000	44.9356804	0.000	No	No	
7	4.897	FID1 A		1	0.000	5.4521799	0.000	No	No	
8	5.032	FID1 A		1	0.000	1901.1563000	0.000	No	No	
9	7.057	FID1 A		1	0.000	7.2669249	0.000	No	No	
10	8.778	FID1 A		1	0.000	7.9816589	0.000	No	No	
11	11.063	FID1 A		1	0.000	8.0548649	0.000	No	No	
12	13.337	FID1 A		1	0.000	8.3207760	0.000	No	No	

#	RT	Signal	Compound	Lvl	Amt[мг/дм3]	Area	Rsp.Factor	Ref	ISTD	#
1	3.482	FID1 A	ацетальдегид	1	9.800	4.2736621	2.293	No	No	
2	4.075	FID1 A	метилацетат	1	9.200	3.5017428	2.627	No	No	
3	4.549	FID1 A	этилацетат	1	9.000	5.7722983	1.559	No	No	
4	4.632	FID1 A	метанол	1	1.0200e-2	44.9356804	2.2699e-4	No	No	
5	4.897	FID1 A	2-пропанол	1	8.200	5.4521799	1.504	No	No	
6	5.032	FID1 A	этанол	1	40.000	1901.1563000	1.9812e-4	No	No	
7	7.057	FID1 A	1-пропанол	1	8.000	7.2669249	1.101	No	No	
8	8.778	FID1 A	изобутиловый спи	1	8.000	7.9816589	1.002	No	No	
9	11.063	FID1 A	1-бутанол	1	8.100	8.0548649	1.006	No	No	
10	13.337	FID1 A	изоамиловый спи	1	8.100	8.3207760	9.7347e-1	No	No	

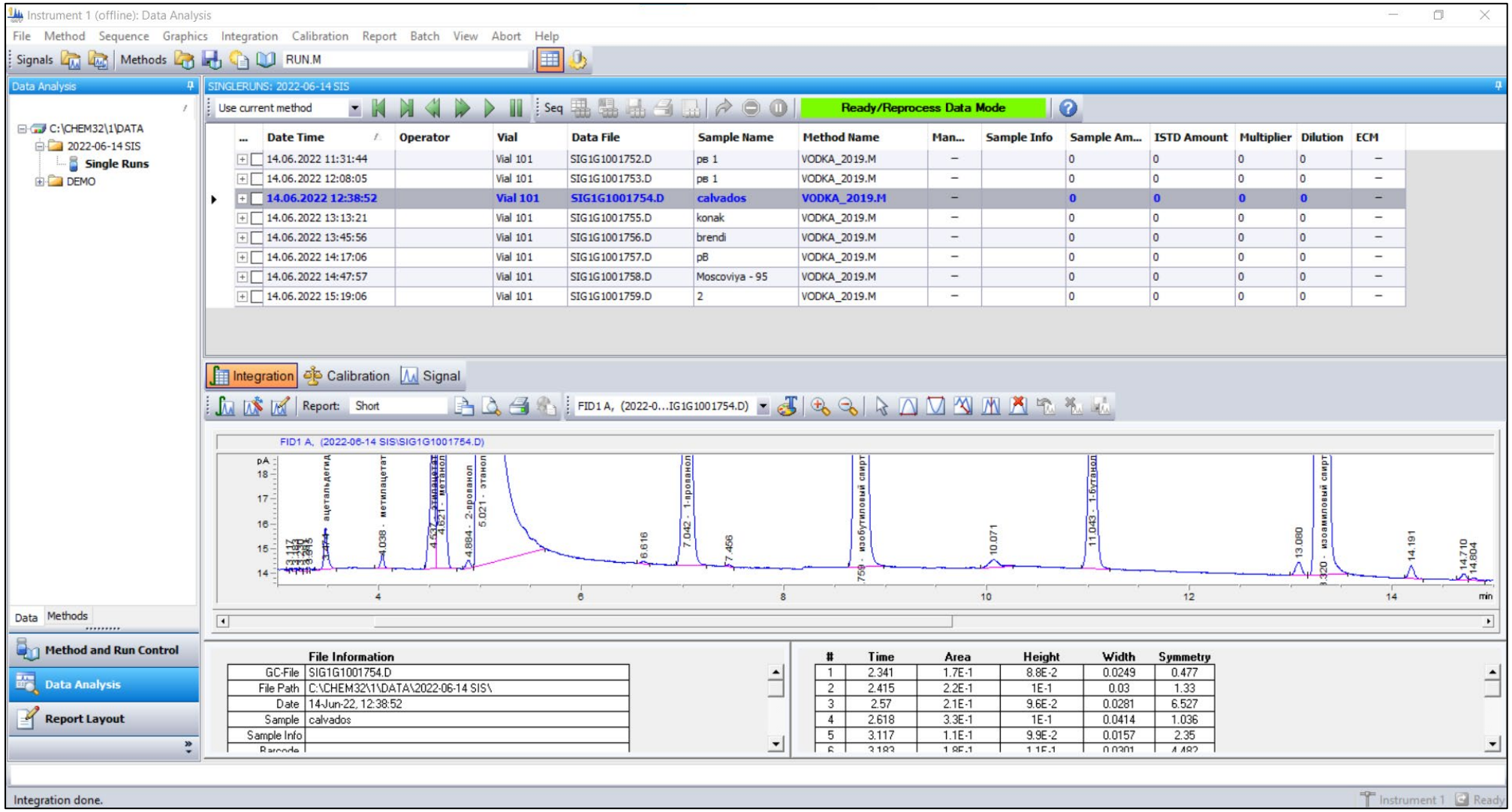
10. A window will appear, click "OK"



11. A window will appear, click "OK"

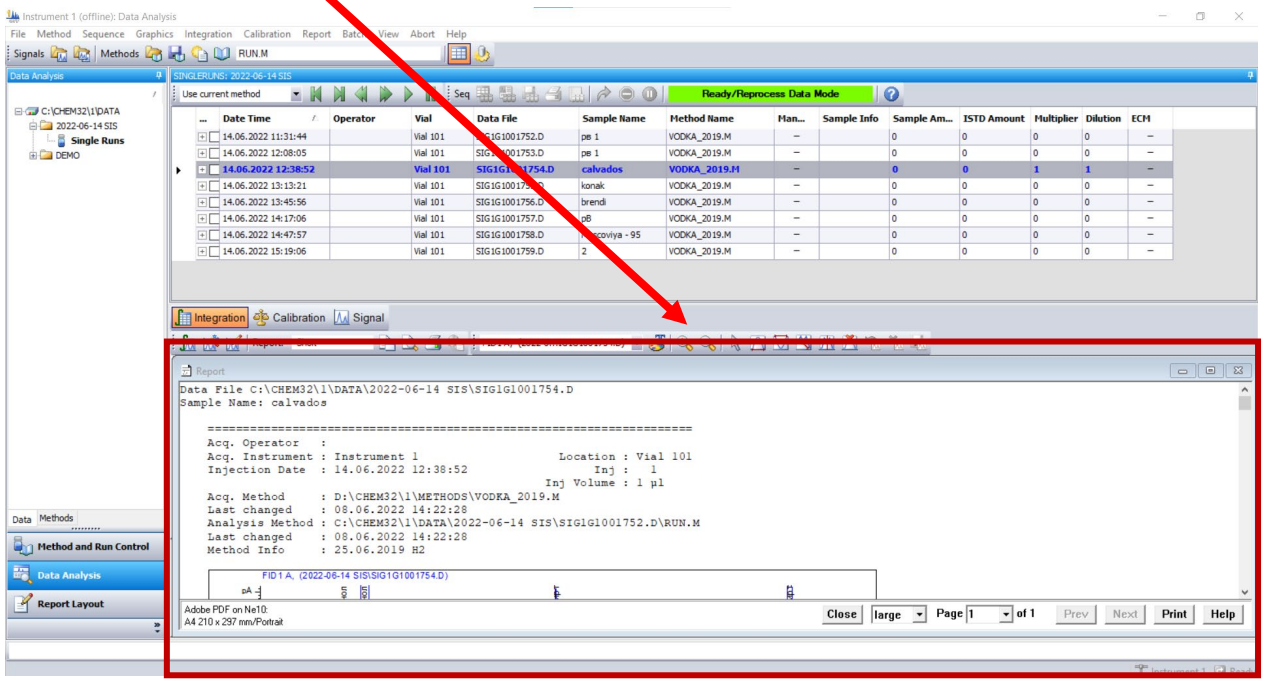


12. Select the sample "Calvados"

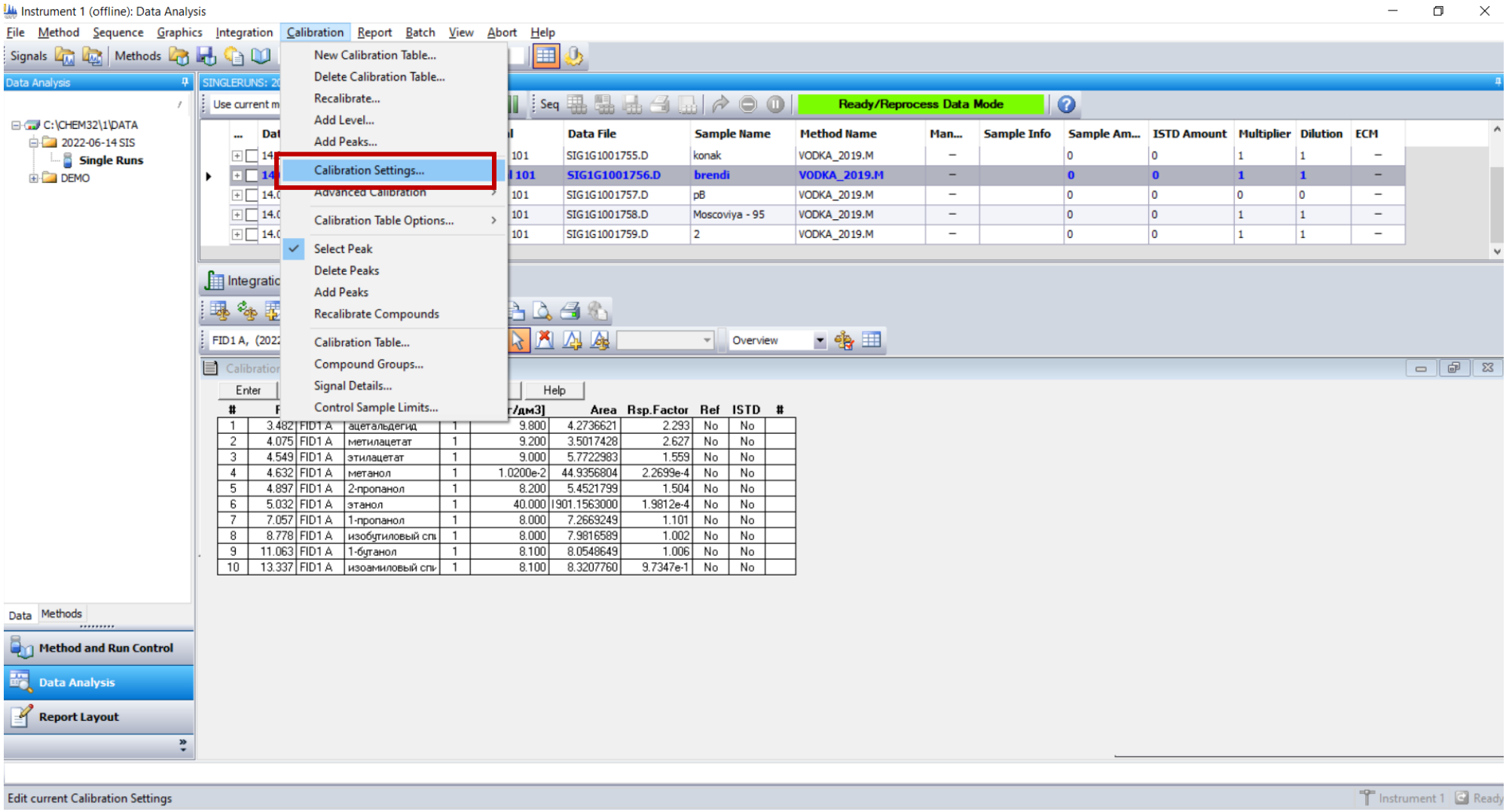


13. Select "Print report"

The report will appear below

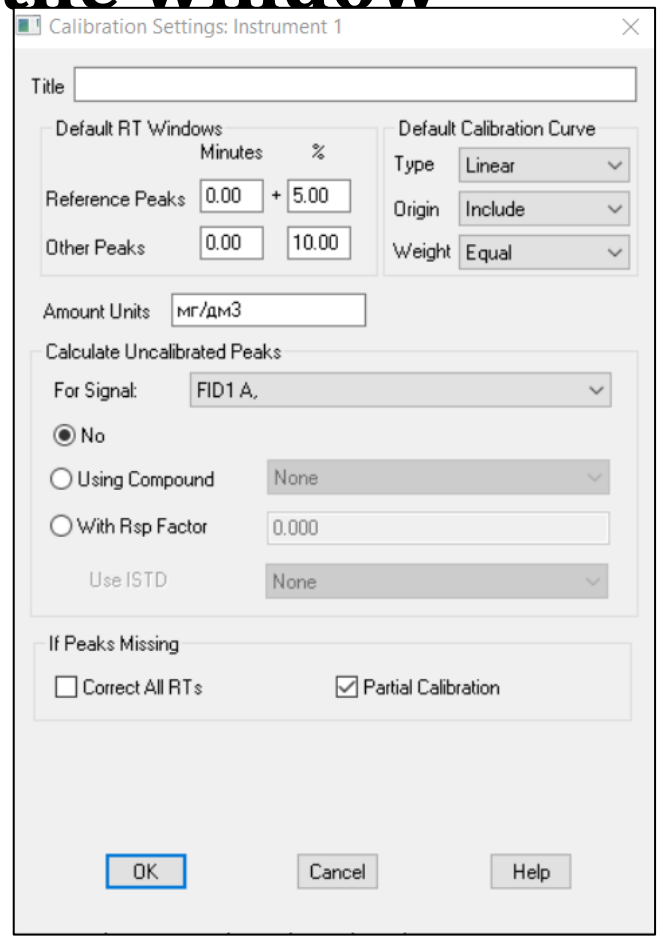


14. Select "Calibration settings..."

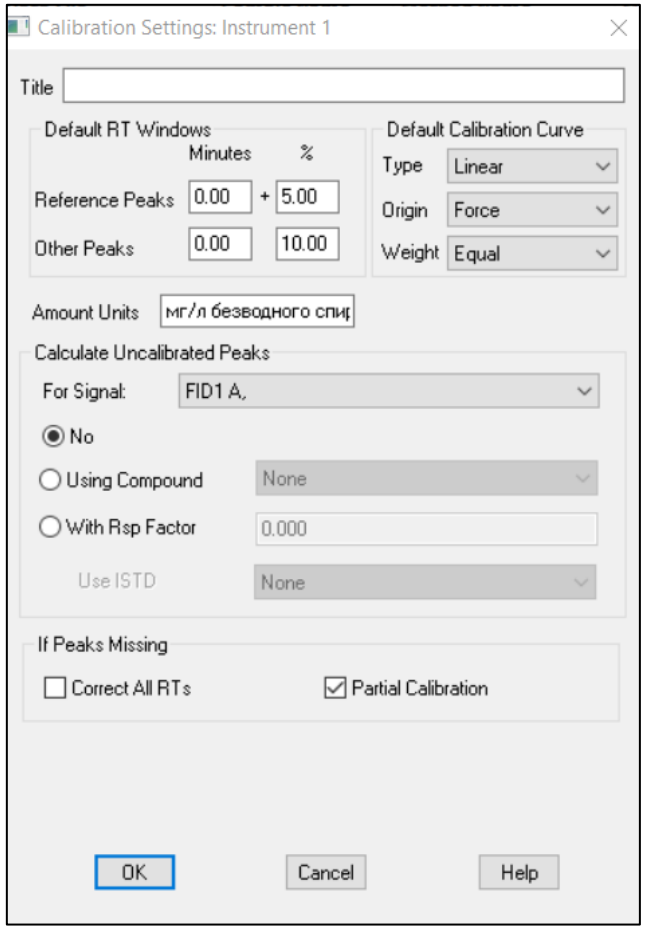


15. Make changes to Calibration settings

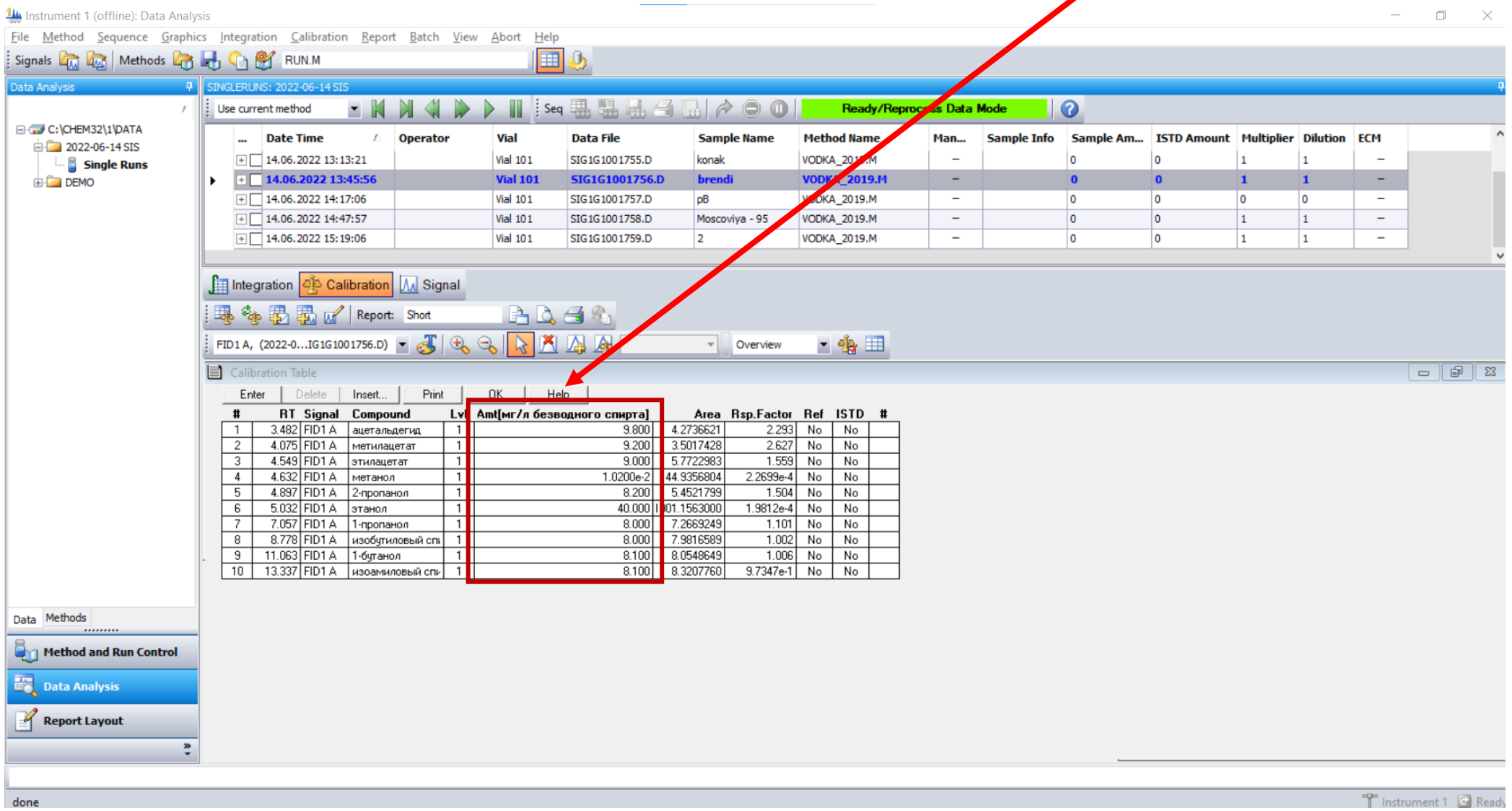
This will be in the window



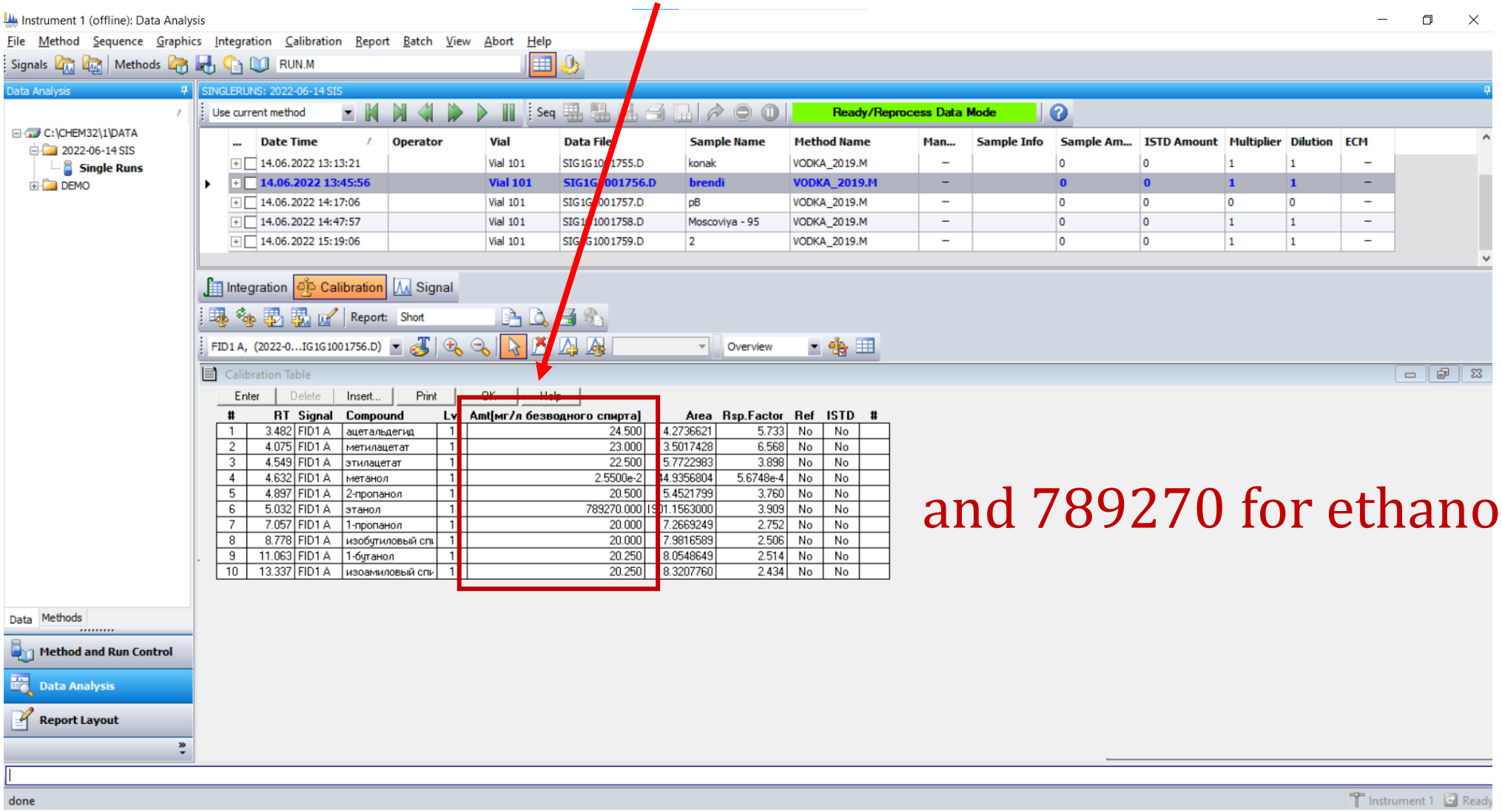
Fix to



16. Change concentration data from mg/l to mg/l AA

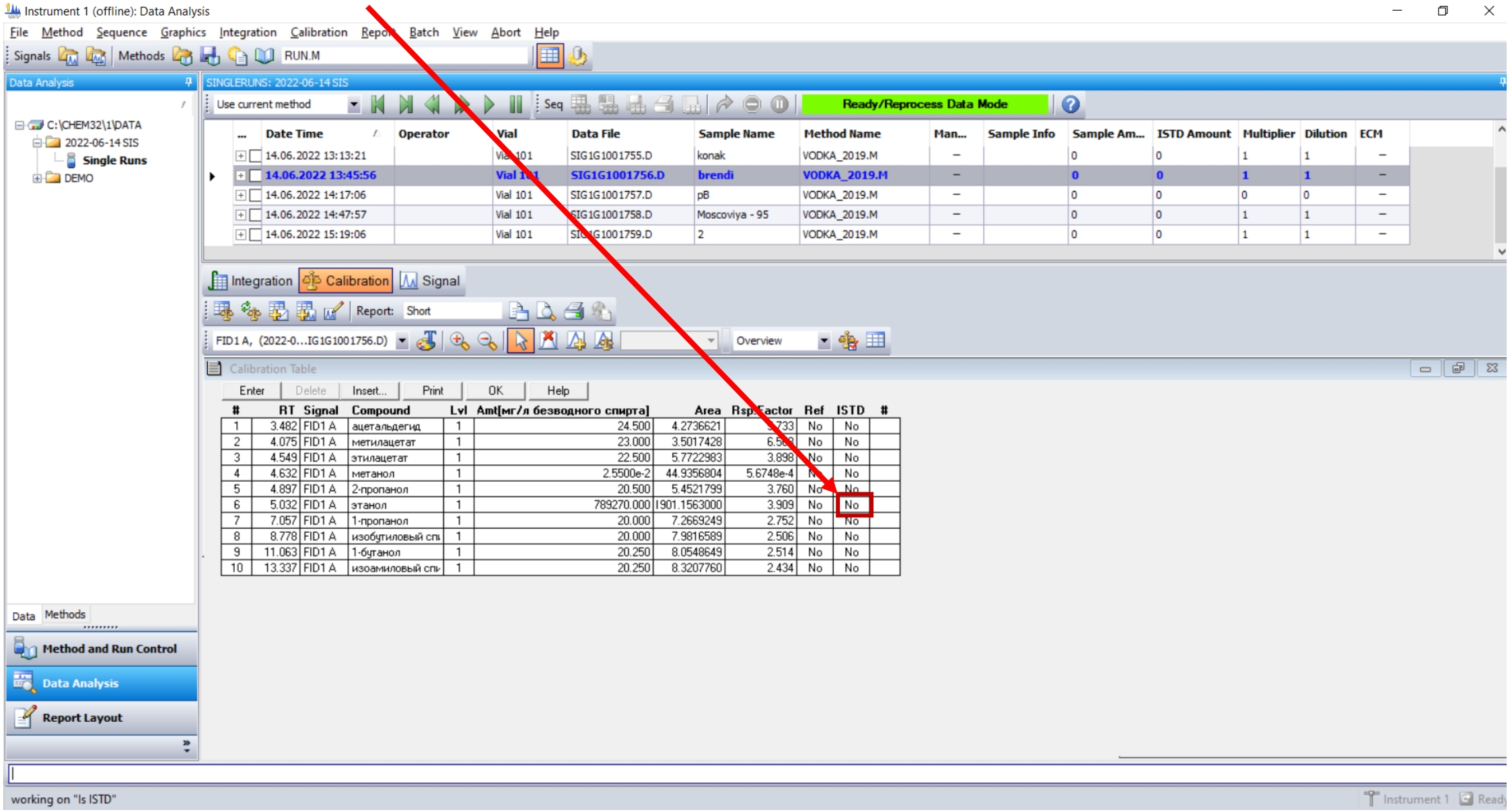


17. The result should be

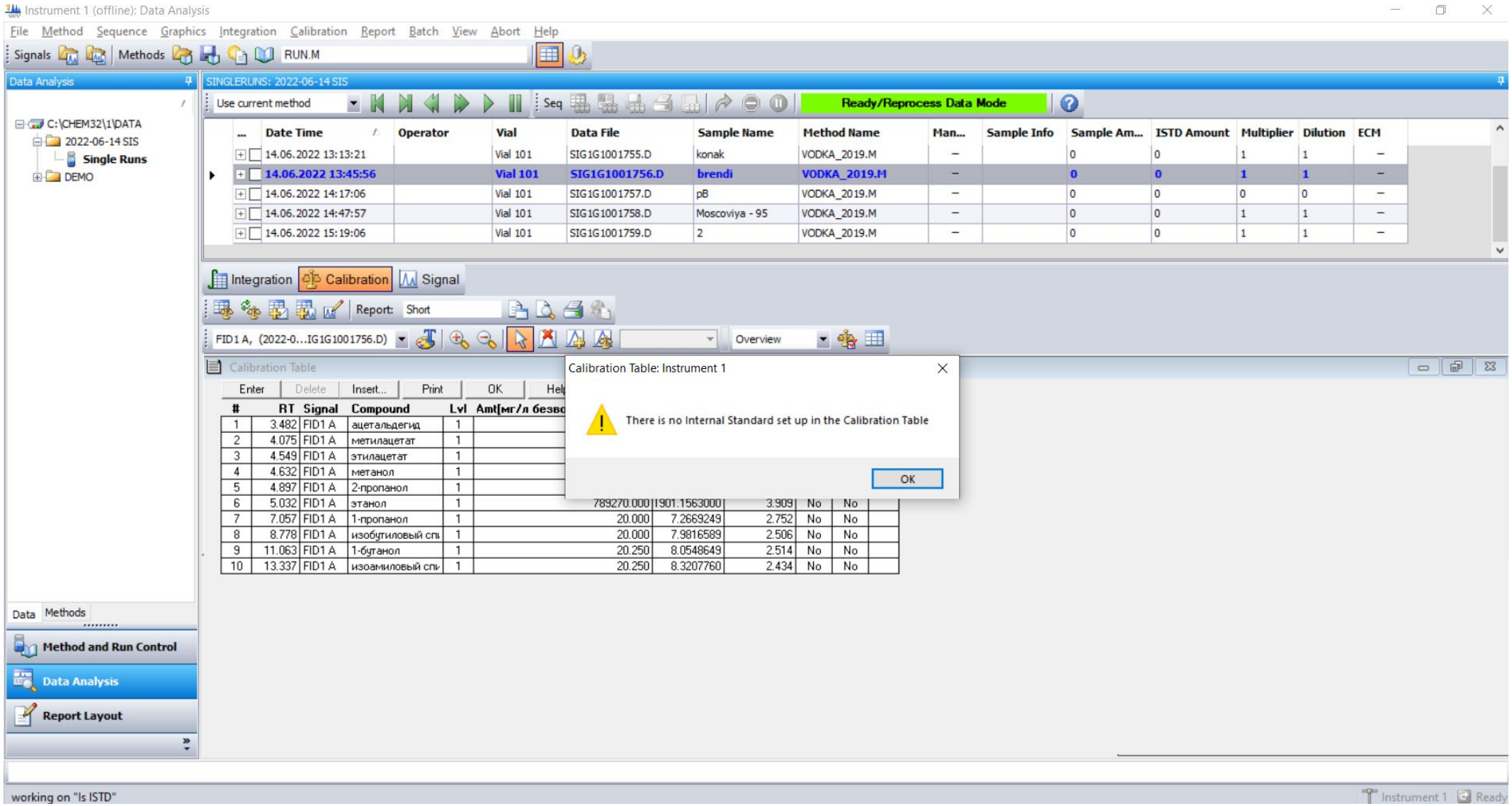


and 789270 for ethanol

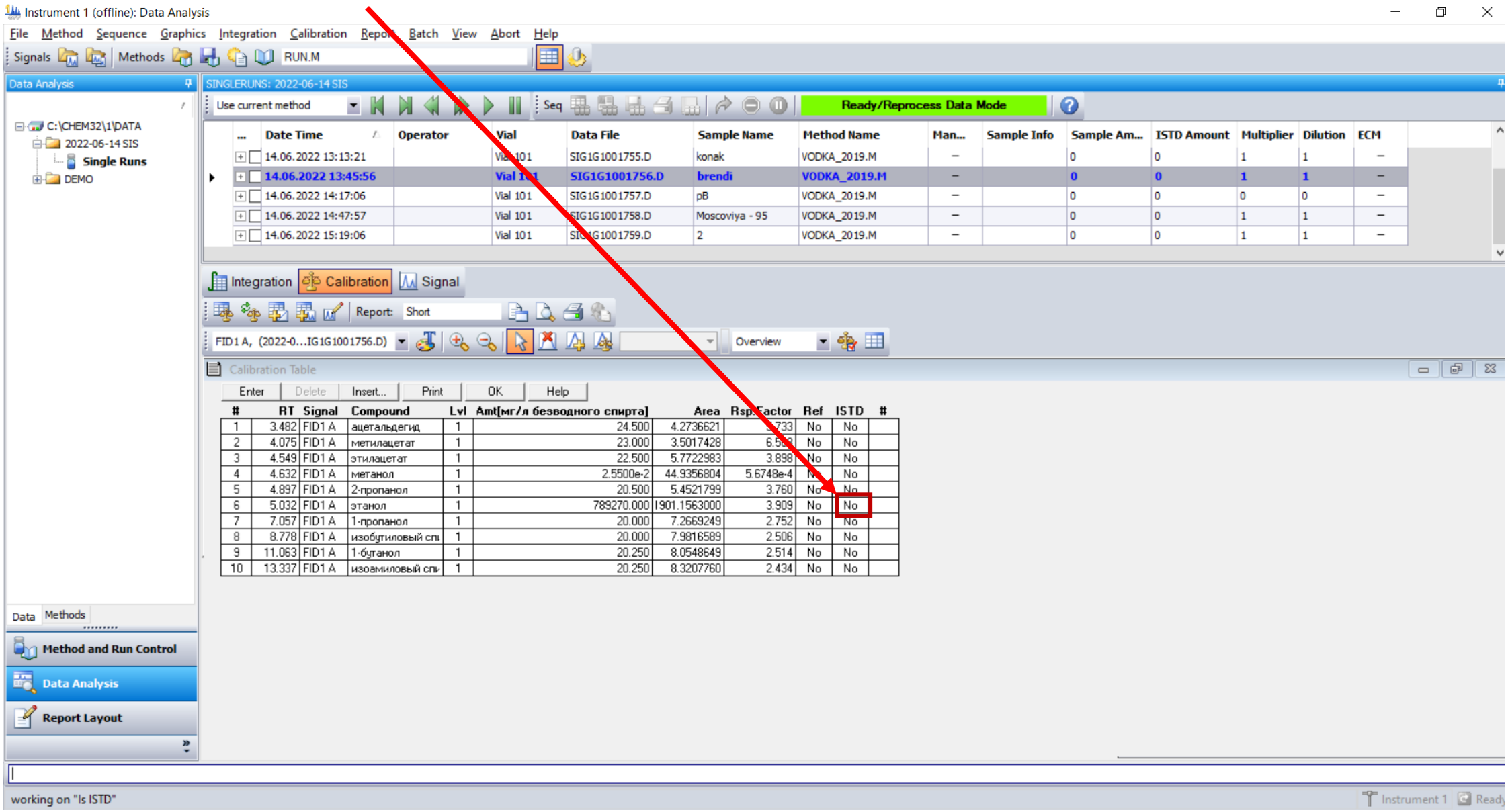
18. Click here



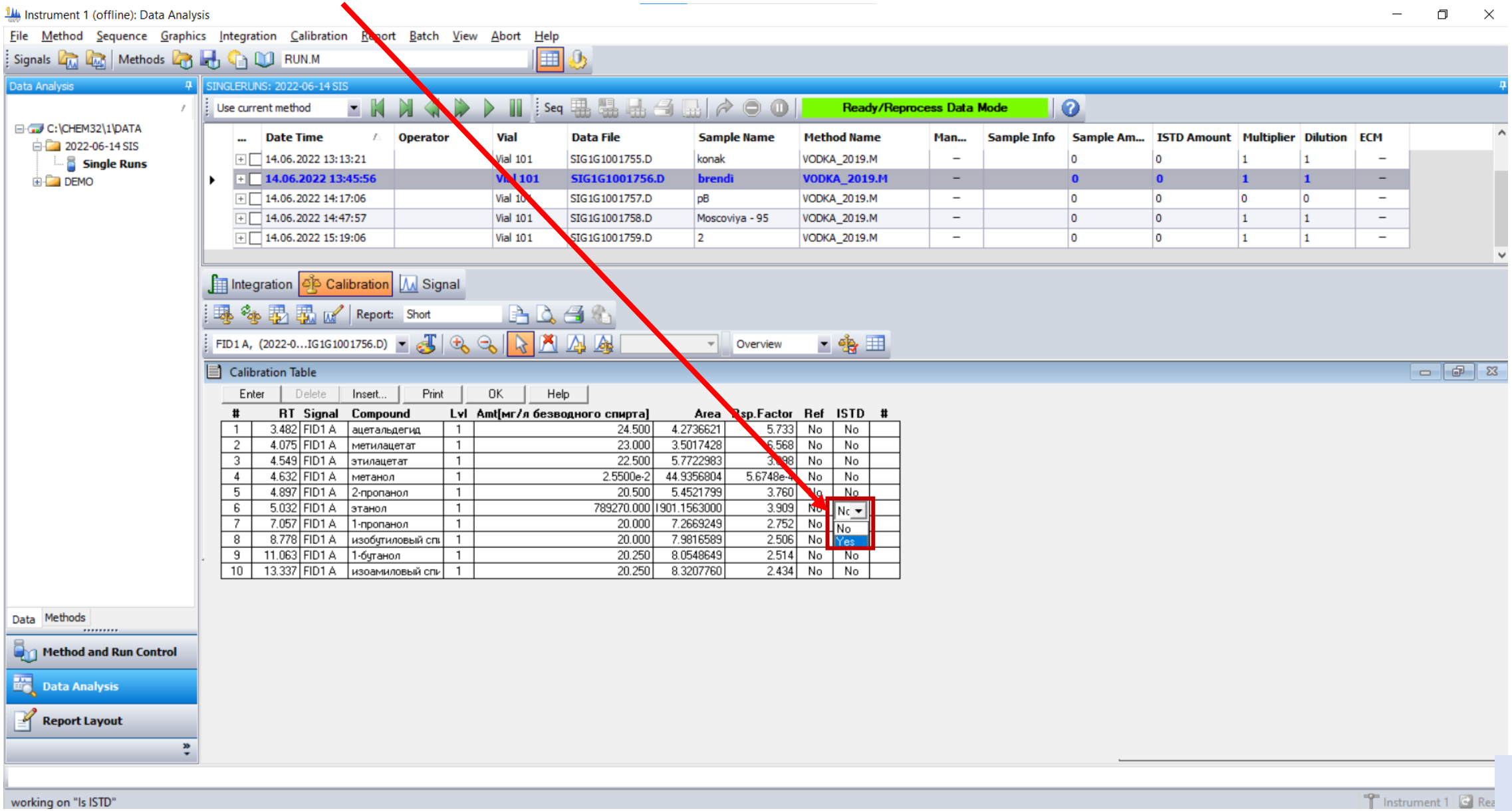
19. Click «OK»


Instrument 1 (offline): Data Analysis
File Method Sequence Graphics Integration Calibration Report Batch View Abort Help
Signals Methods RUN.M
Data Analysis
C:\CHEM32\1\DATA
2022-06-14 SIS
Single Runs
DEMO
SINGLERUNS: 2022-06-14 SIS
Use current method
Seq
Ready/Reprocess Data Mode
... Date Time Operator Vial Data File Sample Name Method Name Man... Sample Info Sample Am... ISTD Amount Multiplier Dilution ECM
14.06.2022 13:13:21 Vial 101 SIG1G1001755.D konak VODKA_2019.M – 0 0 1 1 –
14.06.2022 13:45:56 Vial 101 SIG1G1001756.D brendi VODKA_2019.M – 0 0 1 1 –
14.06.2022 14:17:06 Vial 101 SIG1G1001757.D pB VODKA_2019.M – 0 0 0 0 –
14.06.2022 14:47:57 Vial 101 SIG1G1001758.D Moscoviya - 95 VODKA_2019.M – 0 0 1 1 –
14.06.2022 15:19:06 Vial 101 SIG1G1001759.D 2 VODKA_2019.M – 0 0 1 1 –
Integration Calibration Signal
Report: Short
FID1 A, (2022-0...IG1G1001756.D)
Overview
Calibration Table
Enter Delete Insert... Print OK
RT Signal Compound Lvl Amt[мг/л безв
1 3.482 FID1 A ацетальдегид 1
2 4.075 FID1 A метилацетат 1
3 4.549 FID1 A этилацетат 1
4 4.632 FID1 A метанол 1
5 4.897 FID1 A 2-пропанол 1
6 5.032 FID1 A этанол 1 789270.000 1901.1563000 3.909 No No
7 7.057 FID1 A 1-пропанол 1 20.000 7.2669249 2.752 No No
8 8.778 FID1 A изобутиловый спи 1 20.000 7.9816589 2.506 No No
9 11.063 FID1 A 1-бутанол 1 20.250 8.0548649 2.514 No No
10 13.337 FID1 A изоамиловый спи 1 20.250 8.3207760 2.434 No No
Calibration Table: Instrument 1
There is no Internal Standard set up in the Calibration Table
OK
Data Methods
Method and Run Control
Data Analysis
Report Layout
working on "Is ISTD"
Instrument 1 Ready

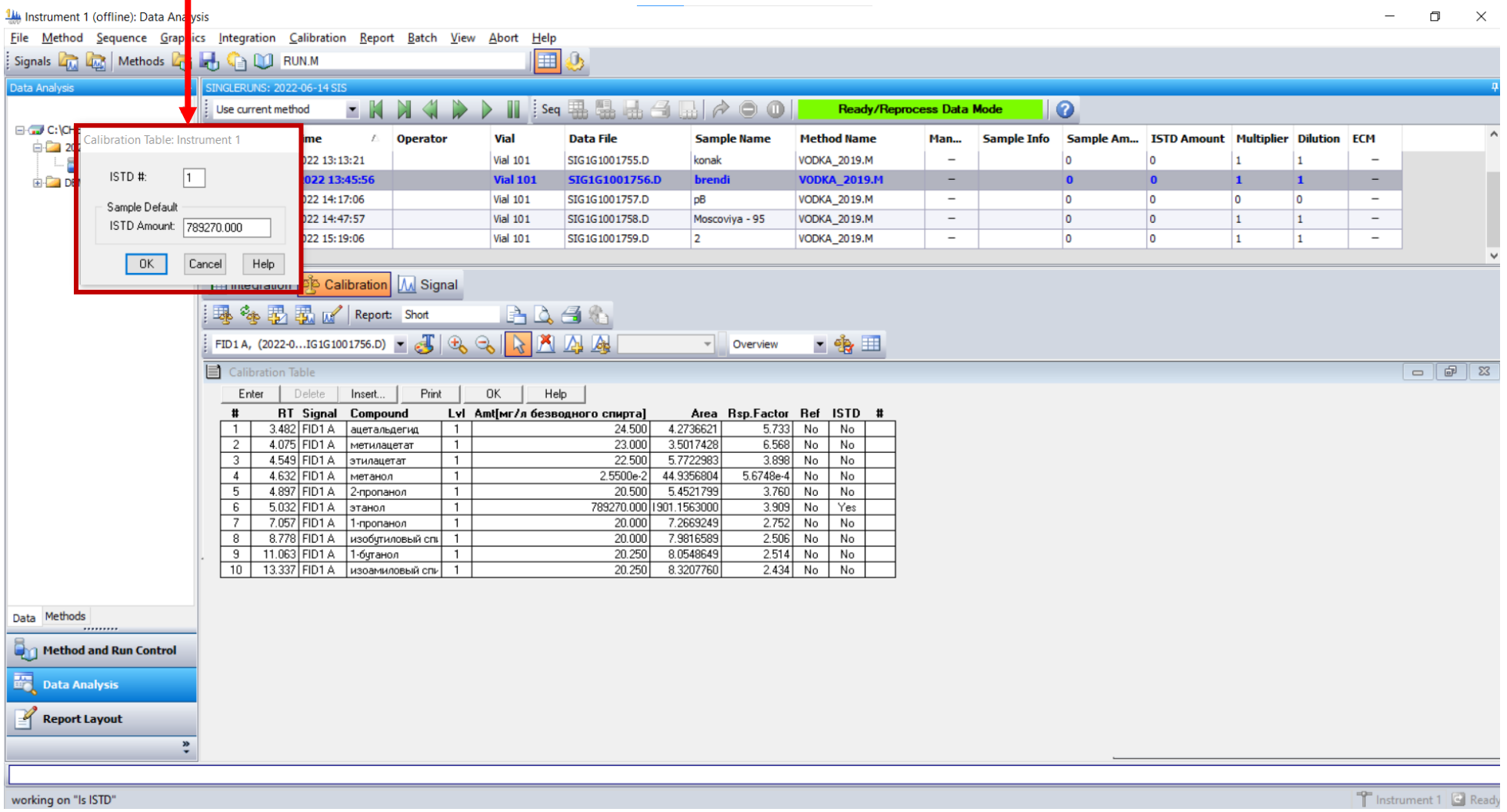
20. Click here



21. Click «Yes»


Instrument 1 (offline): Data Analysis
File Method Sequence Graphics Integration Calibration Report Batch View Abort Help
Signals Methods RUN.M
Data Analysis
C:\CHEM32\1\DATA
2022-06-14 SIS
Single Runs
DEMO
SINGLERUNS: 2022-06-14 SIS
Use current method
Seq
Ready/Reprocess Data Mode
Date Time | Operator | Vial | Data File | Sample Name | Method Name | Man... | Sample Info | Sample Am... | ISTD Amount | Multiplier | Dilution | ECM
14.06.2022 13:13:21 | Vial 101 | SIG1G1001755.D | konak | VODKA_2019.M | 0 | 0 | 1 | 1
14.06.2022 13:45:56 | Vial 101 | SIG1G1001756.D | brendi | VODKA_2019.M | 0 | 0 | 1 | 1
14.06.2022 14:17:06 | Vial 101 | SIG1G1001757.D | pB | VODKA_2019.M | 0 | 0 | 0 | 0
14.06.2022 14:47:57 | Vial 101 | SIG1G1001758.D | Moscoviya - 95 | VODKA_2019.M | 0 | 0 | 1 | 1
14.06.2022 15:19:06 | Vial 101 | SIG1G1001759.D | 2 | VODKA_2019.M | 0 | 0 | 1 | 1
Integration Calibration Signal
Report: Short
FID1 A, (2022-0...IG1G1001756.D)
Overview
Calibration Table
Enter Delete Insert... Print OK Help
| RT | Signal | Compound | Lvl | Amt[мг/л безводного спирта] | Area | Rsp.Factor | Ref | ISTD |
1 | 3.482 | FID1 A | ацетальдегид | 1 | 24.500 | 4.2736621 | 5.733 | No | No
2 | 4.075 | FID1 A | метилацетат | 1 | 23.000 | 3.5017428 | 5.568 | No | No
3 | 4.549 | FID1 A | этилацетат | 1 | 22.500 | 5.7722983 | 3.898 | No | No
4 | 4.632 | FID1 A | метанол | 1 | 2.5500e-2 | 44.9356804 | 5.6748e-4 | No | No
5 | 4.897 | FID1 A | 2-пропанол | 1 | 20.500 | 5.4521799 | 3.760 | No | No
6 | 5.032 | FID1 A | этанол | 1 | 789270.000 | 1901.1563000 | 3.909 | No | No
7 | 7.057 | FID1 A | 1-пропанол | 1 | 20.000 | 7.2669249 | 2.752 | No | No
8 | 8.778 | FID1 A | изобутиловый спи | 1 | 20.000 | 7.9816589 | 2.506 | No | No
9 | 11.063 | FID1 A | 1-бутанол | 1 | 20.250 | 8.0548649 | 2.514 | No | No
10 | 13.337 | FID1 A | изоамиловый спи | 1 | 20.250 | 8.3207760 | 2.434 | No | No
No
Yes
Data Methods
Method and Run Control
Data Analysis
Report Layout
working on "Is ISTD"
Instrument 1

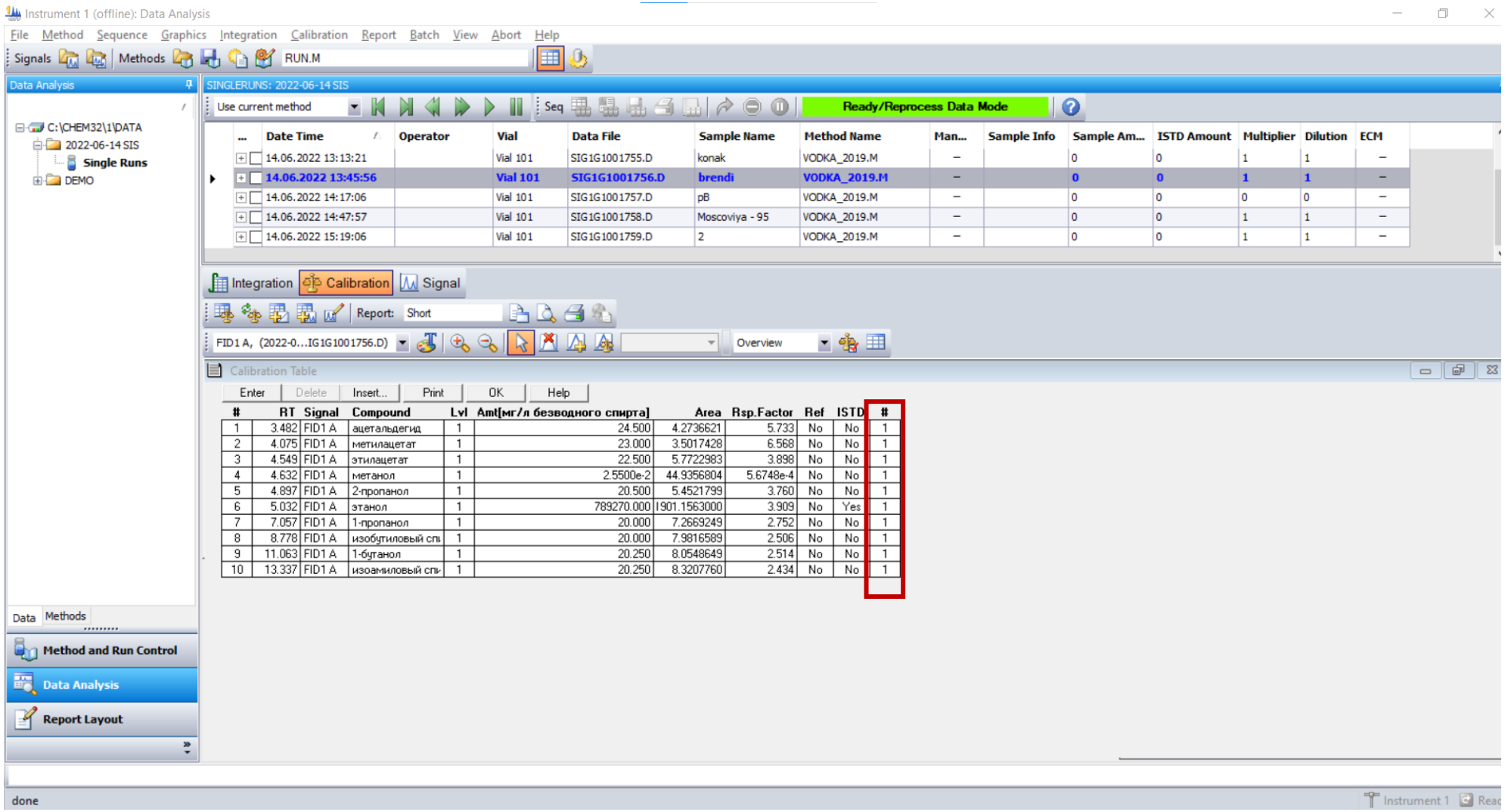
22. Window will appear, «OK»



Operator	Vial	Data File	Sample Name	Method Name	Man...	Sample Info	Sample Am...	ISTD Amount	Multiplier	Dilution	ECM
	Vial 101	SIG1G1001755.D	konak	VODKA_2019.M	–		0	0	1	1	–
	Vial 101	**SIG1G1001756.D**	**brendi**	**VODKA_2019.M**	–		**0**	**0**	**1**	**1**	–
	Vial 101	SIG1G1001757.D	pB	VODKA_2019.M	–		0	0	0	0	–
	Vial 101	SIG1G1001758.D	Moscoviya - 95	VODKA_2019.M	–		0	0	1	1	–
	Vial 101	SIG1G1001759.D	2	VODKA_2019.M	–		0	0	1	1	–

#	RT	Signal	Compound	Lvl	Amt[мг/л безводного спирта]	Area	Rsp.Factor	Ref	ISTD	#
1	3.482	FID1 A	ацетальдегид	1	24.500	4.2736621	5.733	No	No	
2	4.075	FID1 A	метилацетат	1	23.000	3.5017428	6.568	No	No	
3	4.549	FID1 A	этилацетат	1	22.500	5.7722983	3.898	No	No	
4	4.632	FID1 A	метанол	1	2.5500e-2	44.9356804	5.6748e-4	No	No	
5	4.897	FID1 A	2-пропанол	1	20.500	5.4521799	3.760	No	No	
6	5.032	FID1 A	этанол	1	789270.000	1901.1563000	3.909	No	Yes	
7	7.057	FID1 A	1-пропанол	1	20.000	7.2669249	2.752	No	No	
8	8.778	FID1 A	изобутиловый спи	1	20.000	7.9816589	2.506	No	No	
9	11.063	FID1 A	1-бутанол	1	20.250	8.0548649	2.514	No	No	
10	13.337	FID1 A	изоамиловый спи	1	20.250	8.3207760	2.434	No	No	

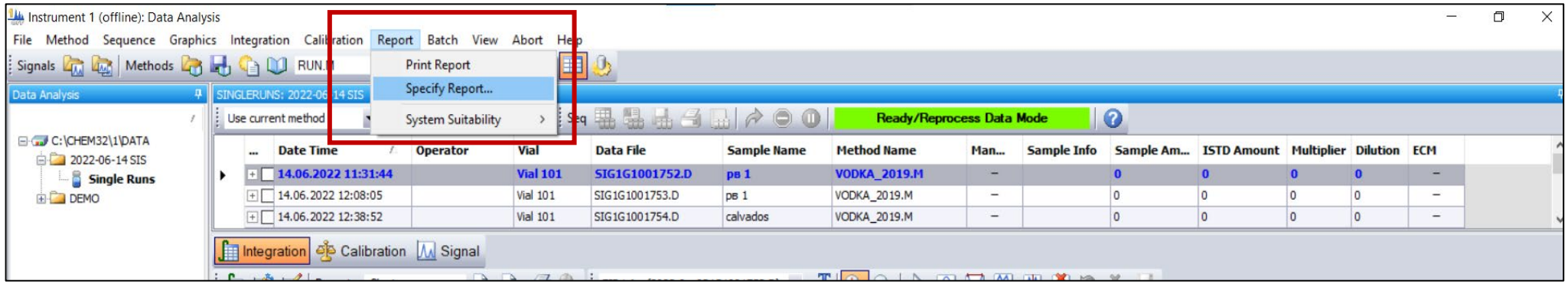
23. A "1" will appear next to each substance



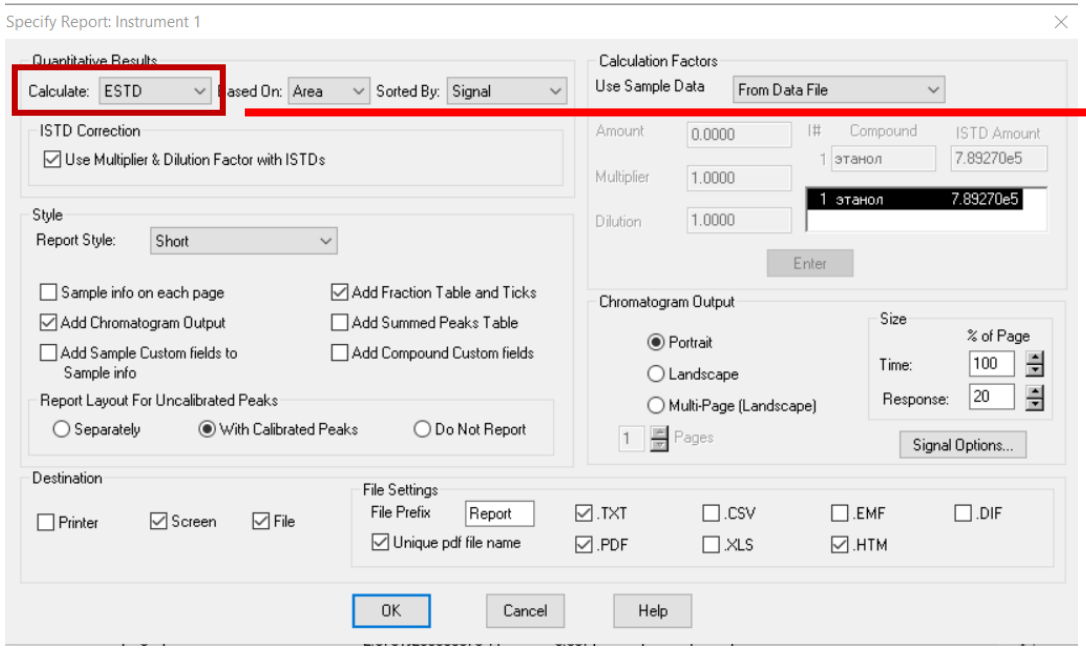
...	Date Time	Operator	Vial	Data File	Sample Name	Method Name	Man...	Sample Info	Sample Am...	ISTD Amount	Multiplier	Dilution	ECM
	14.06.2022 13:13:21		Vial 101	SIG1G1001755.D	konak	VODKA_2019.M	–		0	0	1	1	–
	14.06.2022 13:45:56		Vial 101	SIG1G1001756.D	brendi	VODKA_2019.M	–		0	0	1	1	–
	14.06.2022 14:17:06		Vial 101	SIG1G1001757.D	pB	VODKA_2019.M	–		0	0	0	0	–
	14.06.2022 14:47:57		Vial 101	SIG1G1001758.D	Moscoviya - 95	VODKA_2019.M	–		0	0	1	1	–
	14.06.2022 15:19:06		Vial 101	SIG1G1001759.D	2	VODKA_2019.M	–		0	0	1	1	–

#	RT	Signal	Compound	Lvl	Amt[мг/л безводного спирта]	Area	Rsp.Factor	Ref	ISTD	#
1	3.482	FID1 A	ацетальдегид	1	24.500	4.2736621	5.733	No	No	1
2	4.075	FID1 A	метилацетат	1	23.000	3.5017428	6.568	No	No	1
3	4.549	FID1 A	этилацетат	1	22.500	5.7722983	3.898	No	No	1
4	4.632	FID1 A	метанол	1	2.5500e-2	44.9356804	5.6748e-4	No	No	1
5	4.897	FID1 A	2-пропанол	1	20.500	5.4521799	3.760	No	No	1
6	5.032	FID1 A	этанол	1	789270.000	1901.1563000	3.909	No	Yes	1
7	7.057	FID1 A	1-пропанол	1	20.000	7.2669249	2.752	No	No	1
8	8.778	FID1 A	изобутиловый спи	1	20.000	7.9816589	2.506	No	No	1
9	11.063	FID1 A	1-бутанол	1	20.250	8.0548649	2.514	No	No	1
10	13.337	FID1 A	изоамиловый спи	1	20.250	8.3207760	2.434	No	No	1

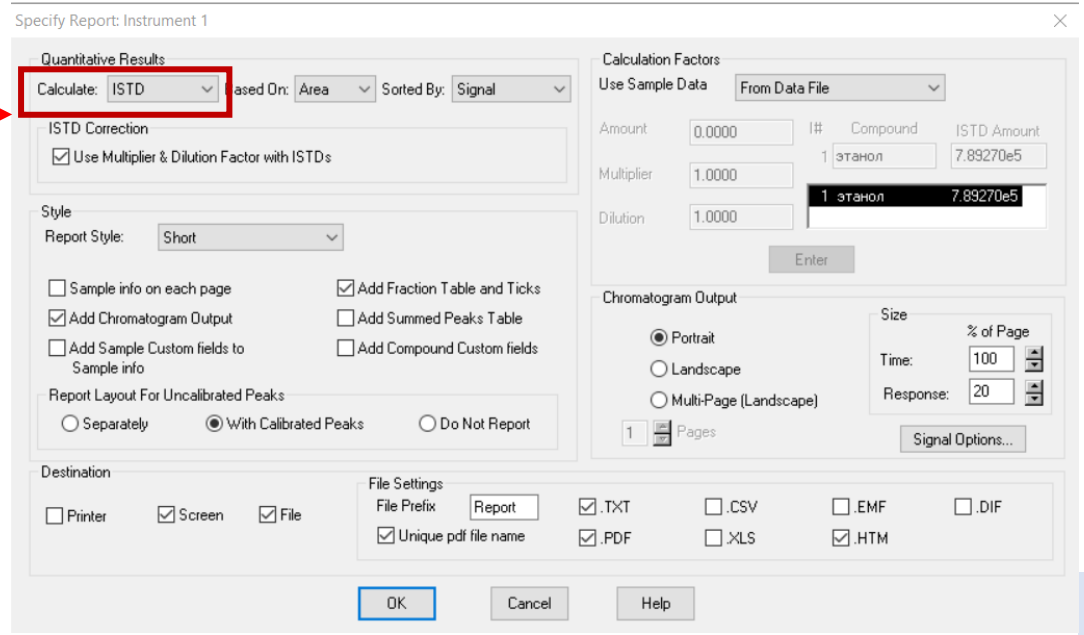
24. Choose «Specify report»



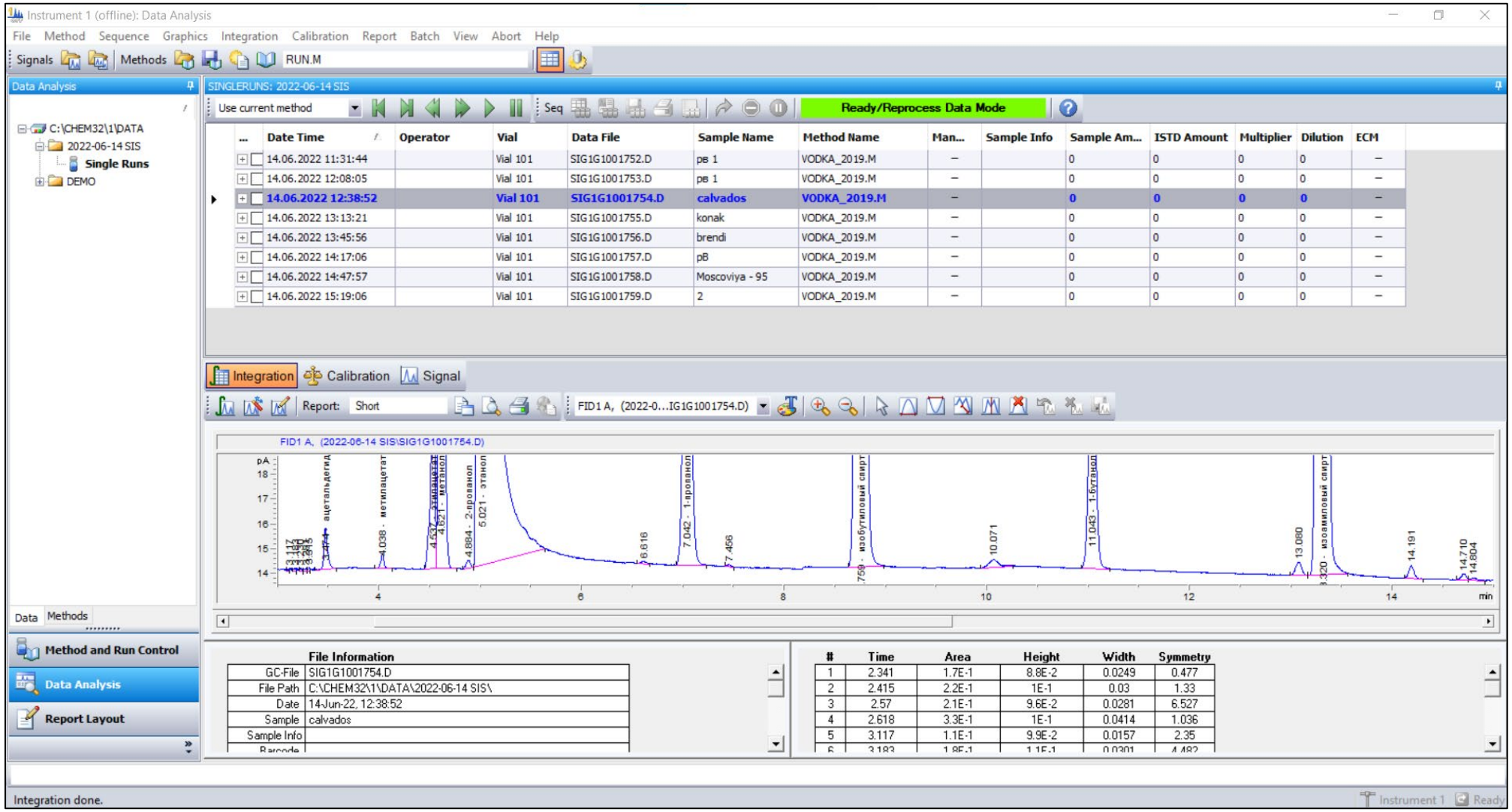
This will be in the window



Fix to ISTD

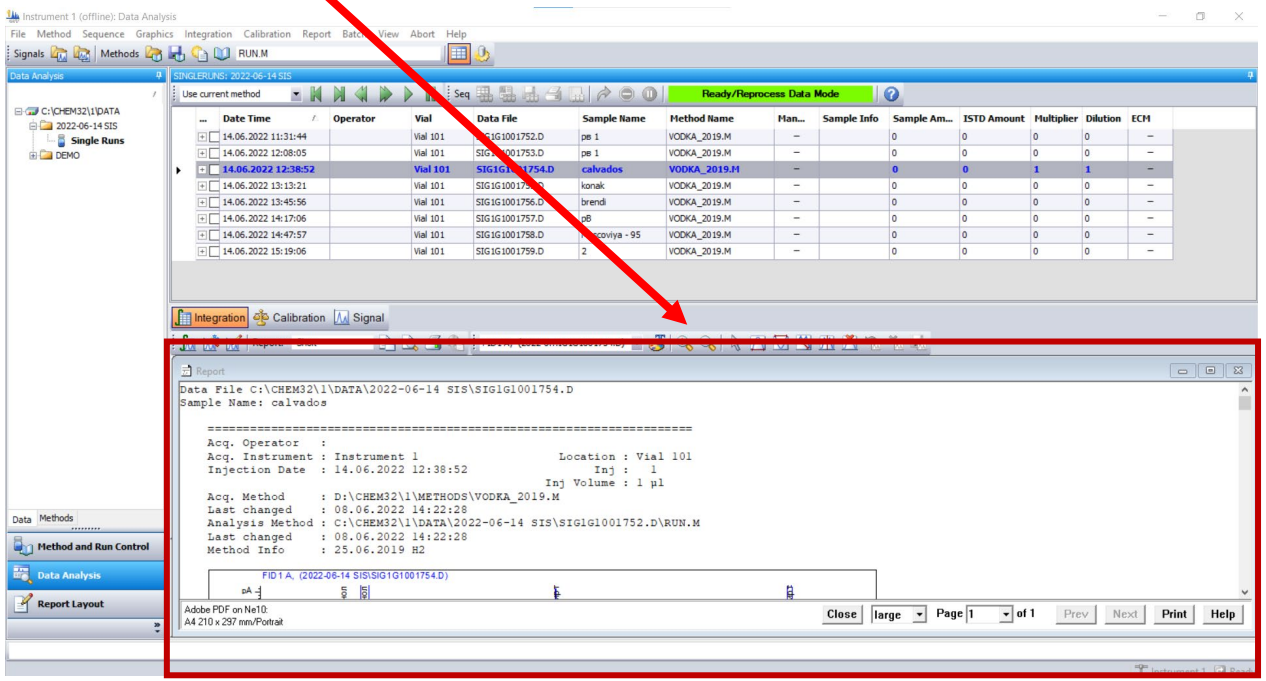


25. Select sample "Calvados"

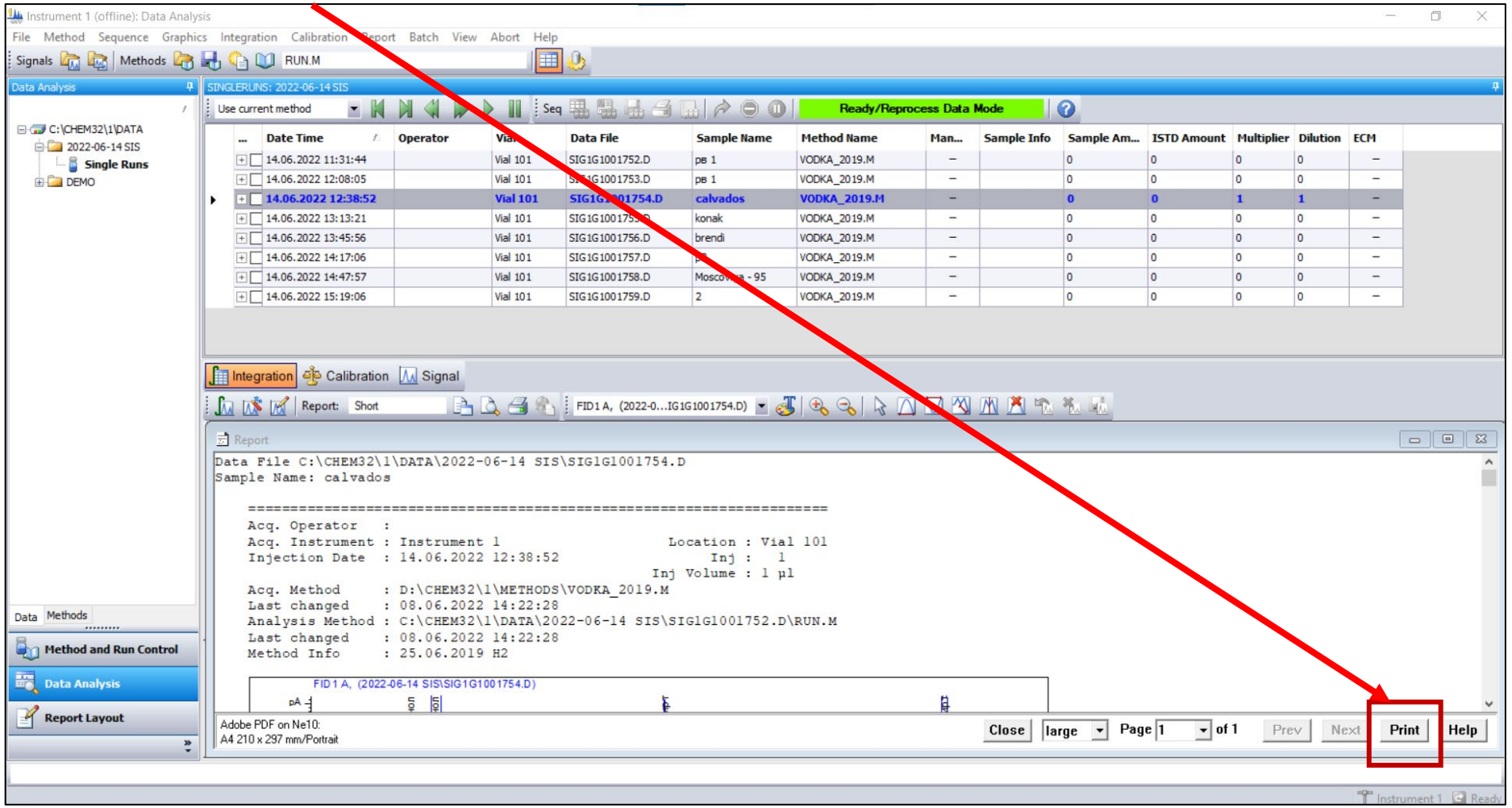


26. Click «Print report»

The report will appear below



27. Click "Print" and save as pdf

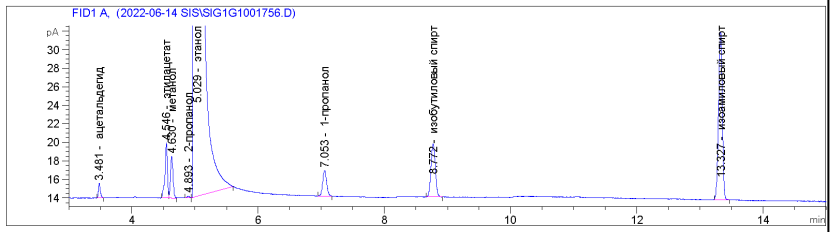


Do the same with the rest of the samples.

Brandy

Data File C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001756.D
Sample Name: brendi

```
==================================================================
Acq. Operator   :
Acq. Instrument : Instrument 1                    Location : Vial 101
Injection Date  : 14.06.2022 13:45:56               Inj :   1
                                                  Inj Volume : 1 µl
Acq. Method     : D:\CHEM32\1\METHODS\VODKA_2019.M
Last changed    : 08.06.2022 14:22:28
Analysis Method : C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001752.D\RUN.M
Last changed    : 20.06.2022 14:45:03
                  (modified after loading)
Method Info     : 25.06.2019 H2
```

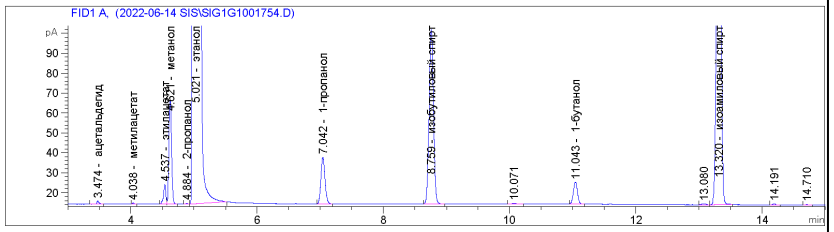



```
==================================================================
                    Internal Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      20 June 2022 г. 14:45:03
Multiplier:                   :      1.0000
Dilution:                     :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #   мг/л безво
----|------------|-------------------------
  1   7.89270e5    этанол


Signal 1: FID1 A,

RetTime  Type  ISTD    Area     Amt/Area    Amount   Grp   Name
 [min]         used  [pA*s]       ratio    мг/л безво
-------|------|----|----------|---------|---------|--|-----------------
  3.481 BB        1    3.30317    1.46649   19.42676    ацетальдегид
  4.075           1      -          -         -         метилацетат
  4.546 BV        1   16.05829 9.97119e-1   64.21497    этилацетат
  4.630 VV        1   12.25589 1.45165e-4 7.13505e-3    метанол
  4.893 BV        1 5.12686e-1 9.61827e-1    1.97760    2-пропанол
  5.029 VB S I    1 1.96805e5     1.00000 7.89270e5     этанол
  7.053 BB        1   12.09134 7.04032e-1   34.13948    1-пропанол
  8.772 BB        1   27.49682 6.40988e-1   70.68425    изобутиловый спирт
 11.063           1      -          -         -         1-бутанол
 13.327 BB        1   75.22813 6.22550e-1  187.82128    изоамиловый спирт
```


Calvados

Data File C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001754.D
Sample Name: calvados

```
==================================================================
Acq. Operator   :
Acq. Instrument : Instrument 1                    Location : Vial 101
Injection Date  : 14.06.2022 12:38:52               Inj :   1
                                                  Inj Volume : 1 µl
Acq. Method     : D:\CHEM32\1\METHODS\VODKA_2019.M
Last changed    : 08.06.2022 14:22:28
Analysis Method : C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001752.D\RUN.M
Last changed    : 20.06.2022 14:45:03
                  (modified after loading)
Method Info     : 25.06.2019 H2
```

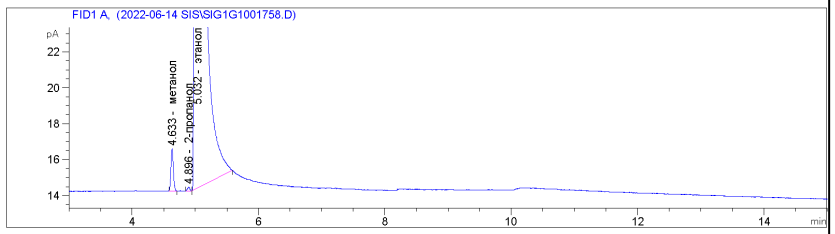



```
==================================================================
                    Internal Standard Report
==================================================================

Sorted By             :      Signal
Calib. Data Modified  :      20 June 2022 г. 14:45:03
Multiplier:                   :      1.0000
Dilution:                     :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #   мг/л безво
----|------------|-------------------------
  1   7.89270e5    этанол


Signal 1: FID1 A,

RetTime  Type  ISTD    Area     Amt/Area    Amount   Grp   Name
 [min]         used  [pA*s]       ratio    мг/л безво
-------|------|----|----------|---------|---------|--|-----------------
  3.474 VB        1    4.07187    1.46649   22.57551    ацетальдегид
  4.038 BB        1    1.18820    1.68018    7.54764    метилацетат
  4.537 BV        1   25.57652 9.97119e-1   96.41677    этилацетат
  4.621 VB        1  151.90663 1.45165e-4 8.33687e-2    метанол
  4.884 BV        1 9.12119e-1 9.61827e-1    3.31675    2-пропанол
  5.021 VB S I    1 2.08767e5     1.00000 7.89270e5     этанол
  7.042 BB        1  106.25713 7.04032e-1  282.82301    1-пропанол
  8.759 BB        1  422.23059 6.40988e-1 1023.20787    изобутиловый спирт
 11.043 BB        1   49.33747 6.43102e-1  119.95573    1-бутанол
 13.320 VB        1 1356.46594 6.22550e-1 3192.62153    изоамиловый спирт
```

Vodka

Data File C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001758.D
Sample Name: Moscoviya - 95

```
Acq. Operator   :
Acq. Instrument : Instrument 1                    Location : Vial 101
Injection Date  : 14.06.2022 14:47:57                 Inj :   1
                                                  Inj Volume : 1 µl
Acq. Method     : D:\CHEM32\1\METHODS\VODKA_2019.M
Last changed    : 08.06.2022 14:22:28
Analysis Method : C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001752.D\RUN.M
Last changed    : 20.06.2022 14:45:03
                  (modified after loading)
Method Info     : 25.06.2019 H2
```



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      20 June 2022 г. 14:45:03
Multiplier:                   :      1.0000
Dilution:                     :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
```

ISTD #	ISTD Amount мг/л безво	Name
1	7.89270e5	этанол

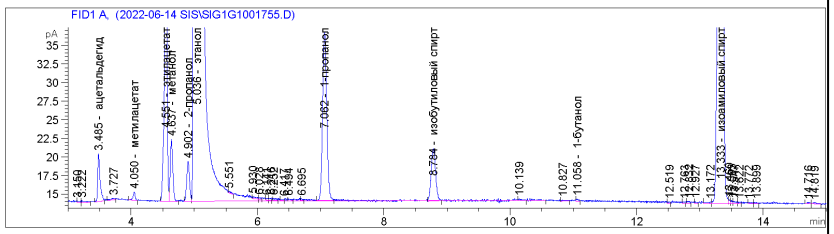
Signal 1: FID1 A,

RetTime [min]	Type	ISTD used	Area [pA*s]	Amt/Area ratio	Amount мг/л безво	Grp	Name
3.482		1	-	-	-		ацетальдегид
4.075		1	-	-	-		метилацетат
4.549		1	-	-	-		этилацетат
4.633	BB	1	6.31566	1.45165e-4	3.81264e-3		метанол
4.896	BV	1	5.55516e-1	9.61827e-1	2.22197		2-пропанол
5.032	VB S I	1	1.89793e5	1.00000	7.89270e5		этанол
7.057		1	-	-	-		1-пропанол
8.778		1	-	-	-		изобутиловый спирт
11.063		1	-	-	-		1-бутанол
13.337		1	-	-	-		изоамиловый спирт

Konyak

Data File C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001755.D
Sample Name: konak

```
Acq. Operator   :
Acq. Instrument : Instrument 1                    Location : Vial 101
Injection Date  : 14.06.2022 13:13:21                 Inj :   1
                                                  Inj Volume : 1 µl
Acq. Method     : D:\CHEM32\1\METHODS\VODKA_2019.M
Last changed    : 08.06.2022 14:22:28
Analysis Method : C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001752.D\RUN.M
Last changed    : 20.06.2022 14:45:03
                  (modified after loading)
Method Info     : 25.06.2019 H2
```



Internal Standard Report

```
Sorted By             :      Signal
Calib. Data Modified  :      20 June 2022 г. 14:45:03
Multiplier:                   :      1.0000
Dilution:                     :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
```

ISTD #	ISTD Amount мг/л безво	Name
1	7.89270e5	этанол

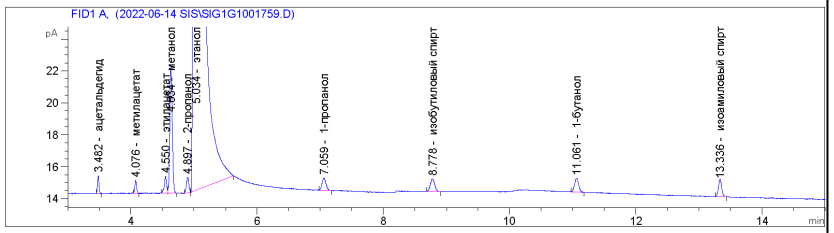
Signal 1: FID1 A,

RetTime [min]	Type	ISTD used	Area [pA*s]	Amt/Area ratio	Amount мг/л безво	Grp	Name
3.485	VV	1	16.95651	1.46649	90.83207		ацетальдегид
4.050	BV	1	2.80551	1.68018	17.21838		метилацетат
4.551	BV	1	128.33510	9.97119e-1	467.42943		этилацетат
4.637	VB	1	24.14906	1.45165e-4	1.28052e-2		метанол
4.902	BV	1	16.46674	9.61827e-1	57.85330		2-пропанол
5.036	VB S I	1	2.16074e5	1.00000	7.89270e5		этанол
7.062	VV T	1	104.56990	7.04032e-1	268.91986		1-пропанол
8.784	PV T	1	34.57939	6.40988e-1	80.96382		изобутиловый спирт
11.058	BB	1	7.03571e-1	6.43102e-1	1.65277		1-бутанол
13.333	VV	1	854.57062	6.22550e-1	1943.32758		изоамиловый спирт

PB-2

Data File C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001759.D
Sample Name: 2

```
=====================================================================
Acq. Operator   :
Acq. Instrument : Instrument 1                    Location : Vial 101
Injection Date  : 14.06.2022 15:19:06                  Inj :   1
                                                 Inj Volume : 1 µl
Acq. Method     : D:\CHEM32\1\METHODS\VODKA_2019.M
Last changed    : 08.06.2022 14:22:28
Analysis Method : C:\CHEM32\1\DATA\2022-06-14 SIS\SIG1G1001752.D\RUN.M
Last changed    : 20.06.2022 14:45:03
                  (modified after loading)
Method Info     : 25.06.2019 H2
```




```
=====================================================================
                      Internal Standard Report
=====================================================================

Sorted By             :      Signal
Calib. Data Modified  :      20 June 2022 г. 14:45:03
Multiplier:                   :      1.0000
Dilution:                     :      1.0000
Use Multiplier & Dilution Factor with ISTDs
Sample ISTD Information:
ISTD  ISTD Amount   Name
  #   мг/л безво
----|------------|-------------------------
  1   7.89270e5    этанол


Signal 1: FID1 A,

RetTime  Type  ISTD    Area     Amt/Area    Amount   Grp   Name
 [min]         used  [pA*s]      ratio    мг/л безво
-------|------|----|---------|---------|---------|--|------------------
  3.482 BB        1    1.84653    1.46649   11.08736    ацетальдегид
  4.076 BB        1    1.60546    1.68018   11.04455    метилацетат
  4.550 BV        1    2.68553 9.97119e-1   10.96401    этилацетат
  4.634 VB        1   22.04287 1.45165e-4 1.31015e-2    метанол
  4.897 BV        1    2.66154 9.61827e-1   10.48147    2-пропанол
  5.034 VB S I    1 1.92767e5     1.00000 7.89270e5     этанол
  7.059 BB        1    3.45941 7.04032e-1    9.97212    1-пропанол
  8.778 BB        1    3.78041 6.40988e-1    9.92158    изобутиловый спирт
 11.061 BB        1    3.85842 6.43102e-1   10.15972    1-бутанол
 13.336 BB        1    4.01742 6.22550e-1   10.24032    изоамиловый спирт
```