

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD070519\  
 Data File : PD053885.D  
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
 Acq On : 05 Jul 2019 17:03  
 Operator : SM\AJ  
 Sample : K3671-06MSD  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 C5BC6MSD

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jul 05 23:09:02 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD070319CLP.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Jul 05 03:58:18 2019  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm

|                             | Compound        | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/ml     | ng/ml       |
|-----------------------------|-----------------|--------|--------|----------|----------|-----------|-------------|
| -----                       |                 |        |        |          |          |           |             |
| System Monitoring Compounds |                 |        |        |          |          |           |             |
| 1)                          | SA Tetrachlo... | 3.313  | 3.982  | 17848481 | 23523261 | 23.393    | 20.857      |
| 27)                         | SA Decachlor... | 8.009  | 9.021  | 80408728 | 39818134 | 108.267   | 38.110 #    |
| Target Compounds            |                 |        |        |          |          |           |             |
| 3)                          | MA gamma-BHC... | 4.020  | 4.652  | 62367119 | 81869994 | 58.460    | 53.088      |
| 4)                          | MA Heptachlor   | 4.307  | 5.160  | 57222405 | 87078438 | 58.890    | 54.989      |
| 5)                          | MB Aldrin       | 4.548  | 5.463  | 57181742 | 63952937 | 58.597    | 42.687 #    |
| 6)                          | B beta-BHC      | 4.307f | 0.000  | 57222405 | 0        | 118.522   | N.D. #      |
| 7)                          | B delta-BHC     | 4.462  | 5.062f | 2588552  | 1968400  | 2.412     | 1.287 #     |
| 8)                          | B Heptachlo...  | 4.987  | 5.837  | 46827010 | 260.7E6  | 50.705    | 181.615 #   |
| 9)                          | A Endosulfan I  | 5.305  | 6.155f | 57144716 | 2290.5E6 | 64.627    | 1695.402 #  |
| 10)                         | B trans-Chl...  | 5.211  | 6.080  | 427.7E6  | 1157.1E6 | 446.816   | 766.563 #   |
| 11)                         | B cis-Chlor...  | 5.267  | 6.155  | 720.9E6  | 2290.5E6 | 771.944   | 1555.385 #  |
| 12)                         | B 4,4'-DDE      | 5.436  | 6.307  | 24767781 | 56183859 | 27.333    | 39.922 #    |
| 13)                         | MA Dieldrin     | 5.560  | 6.458  | 145.4E6  | 207.0E6  | 148.379   | 139.647     |
| 14)                         | MA Endrin       | 5.814  | 6.674  | 135.0E6  | 83805035 | 162.232   | 73.025 #    |
| 15)                         | B Endosulfa...  | 6.093  | 6.892  | 420.8E6  | 21602887 | 488.151   | 16.502 #    |
| 16)                         | A 4,4'-DDD      | 5.905f | 6.814  | 12123974 | 105.9E6  | 17.746    | 95.259 #    |
| 17)                         | MA 4,4'-DDT     | 6.184  | 7.093  | 135.8E6  | 232.6E6  | 189.511   | 197.189     |
| 20)                         | A Methoxychlor  | 6.763  | 7.548  | 13997083 | 7126584  | 42.484    | 11.959 #    |
| 21)                         | B Endrin ke...  | 7.009f | 7.722  | 16429845 | 16088932 | 18.311    | 12.265 #    |
| 22)                         | Toxaphene-1     | 5.560  | 6.377  | 145.4E6  | -9368974 | 26621.383 | N.D. #      |
| 23)                         | Toxaphene-2     | 5.685  | 6.674  | 45204585 | 83805035 | 7689.324  | 10030.166 # |
| 24)                         | Toxaphene-3     | 5.996  | 7.093  | 6426634  | 232.6E6  | 1218.757  | 18836.950 # |
| 25)                         | Toxaphene-4     | 6.093  | 7.093  | 420.8E6  | 232.6E6  | 27979.001 | 6873.024 #  |
| 26)                         | Toxaphene-5     | 6.897  | 7.604  | 15831952 | 23967382 | 860.746   | 1562.261 #  |
| -----                       |                 |        |        |          |          |           |             |

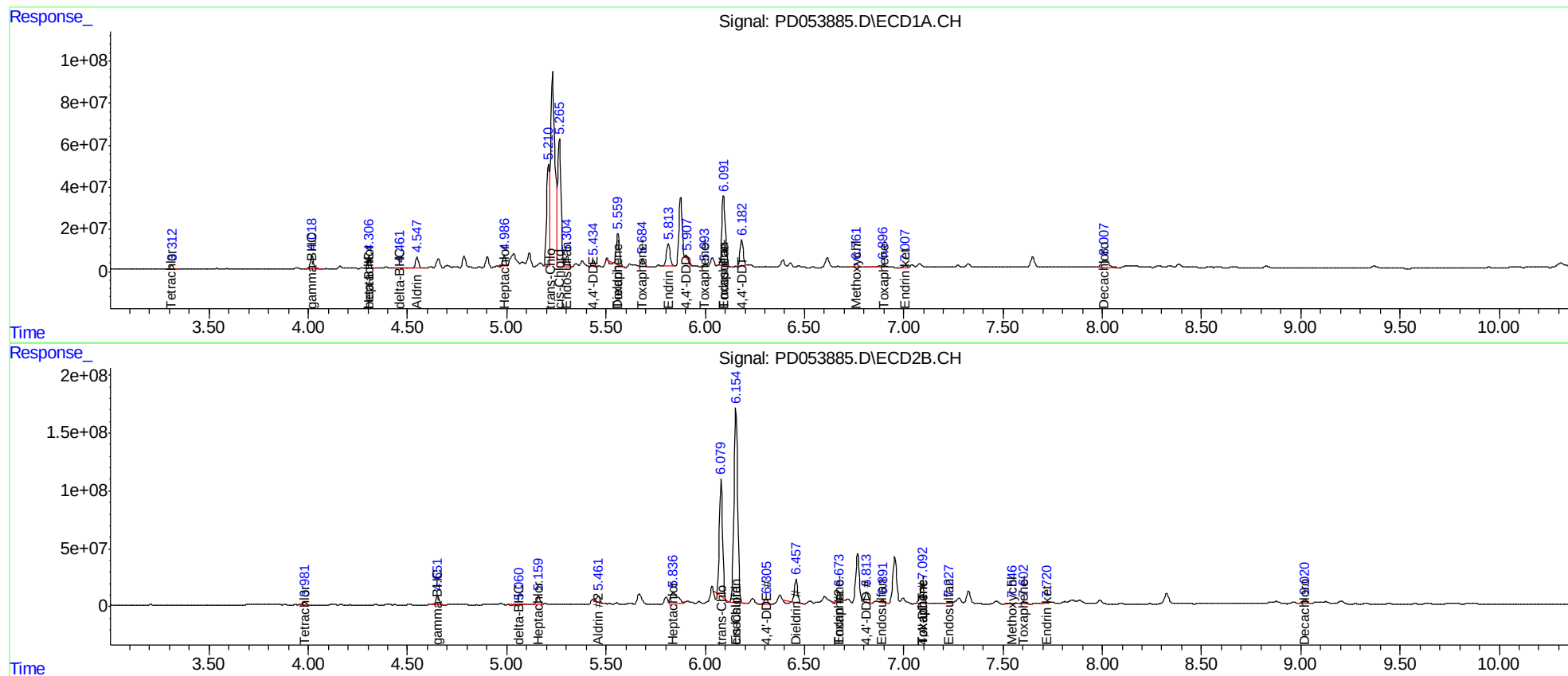
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

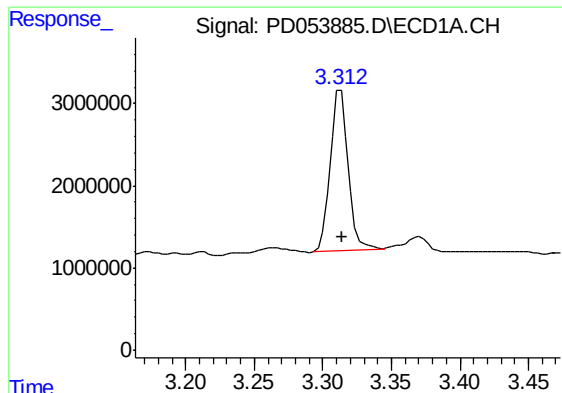
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD070519\  
Data File : PD053885.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 05 Jul 2019 17:03  
Operator : SM\AJ  
Sample : K3671-06MSD  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
C5BC6MSD

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jul 05 23:09:02 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD070319CLP.M  
Quant Title : GC Extractables  
QLast Update : Fri Jul 05 03:58:18 2019  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm

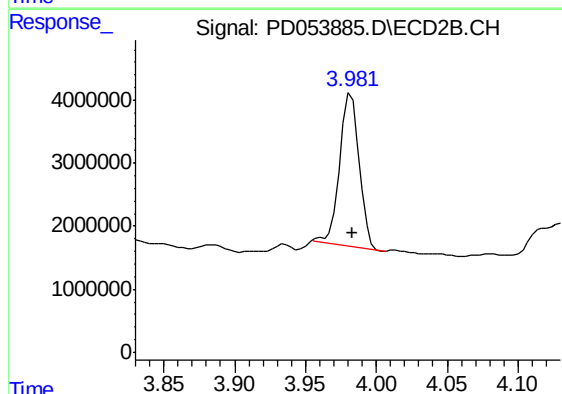




#1 Tetrachloro-m-xylene

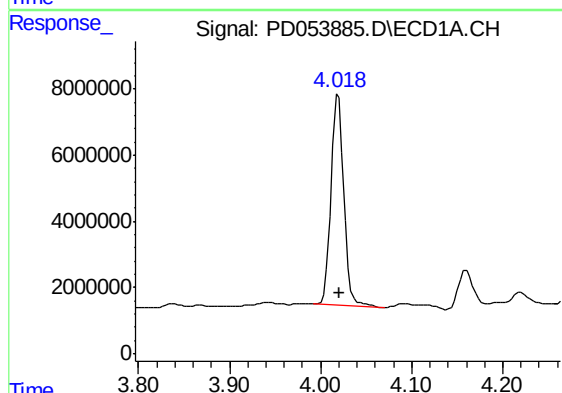
R.T.: 3.313 min  
Delta R.T.: 0.000 min  
Response: 17848481  
Conc: 23.39 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C5BC6MSD



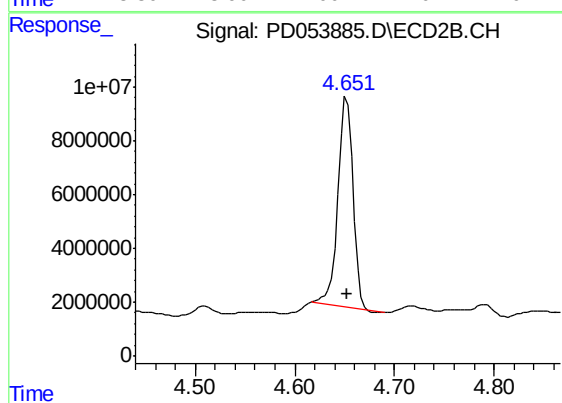
#1 Tetrachloro-m-xylene

R.T.: 3.982 min  
Delta R.T.: 0.000 min  
Response: 23523261  
Conc: 20.86 ng/ml



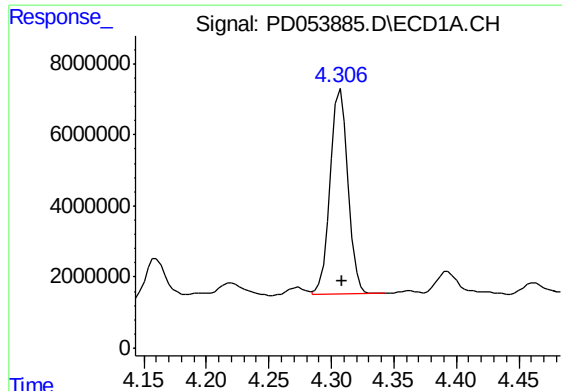
#3 gamma-BHC (Lindane)

R.T.: 4.020 min  
Delta R.T.: 0.000 min  
Response: 62367119  
Conc: 58.46 ng/ml



#3 gamma-BHC (Lindane)

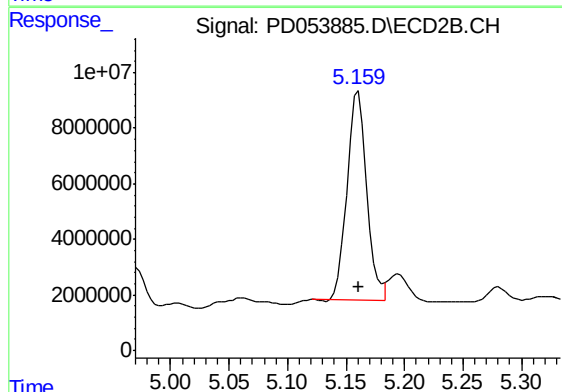
R.T.: 4.652 min  
Delta R.T.: 0.000 min  
Response: 81869994  
Conc: 53.09 ng/ml



#4 Heptachlor

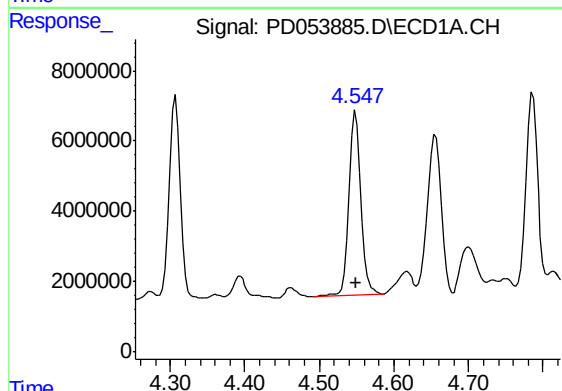
R.T.: 4.307 min  
Delta R.T.: -0.001 min  
Response: 57222405  
Conc: 58.89 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C5BC6MSD



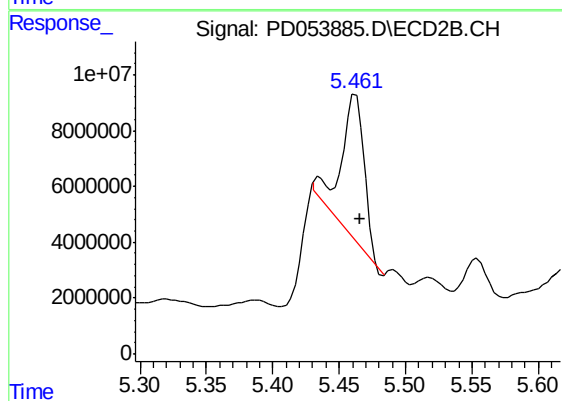
#4 Heptachlor

R.T.: 5.160 min  
Delta R.T.: 0.000 min  
Response: 87078438  
Conc: 54.99 ng/ml



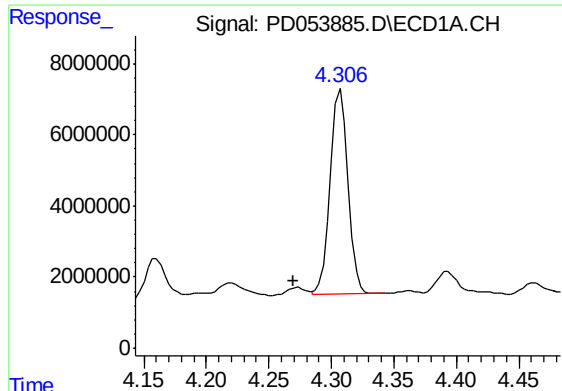
#5 Aldrin

R.T.: 4.548 min  
Delta R.T.: -0.001 min  
Response: 57181742  
Conc: 58.60 ng/ml



#5 Aldrin

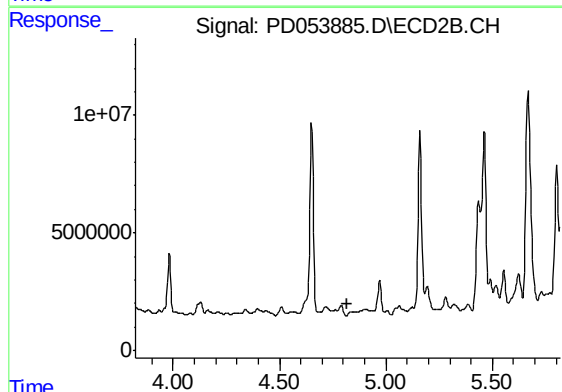
R.T.: 5.463 min  
Delta R.T.: -0.003 min  
Response: 63952937  
Conc: 42.69 ng/ml



#6 beta-BHC

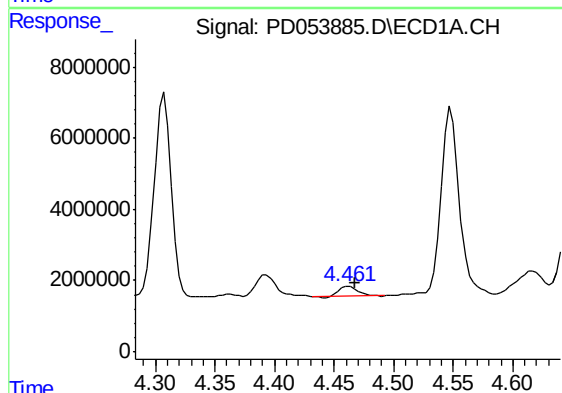
R.T.: 4.307 min  
Delta R.T.: 0.038 min  
Response: 57222405  
Conc: 118.52 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C5BC6MSD



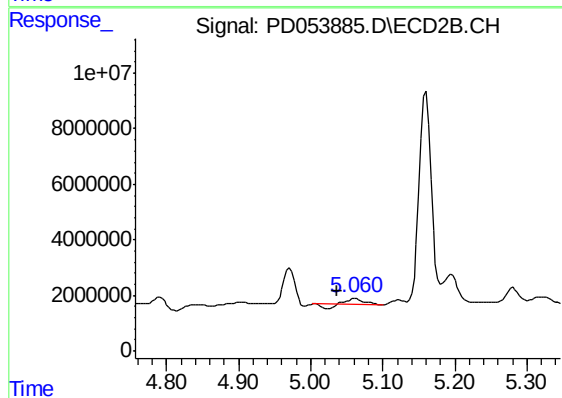
#6 beta-BHC

R.T.: 0.000 min  
Exp R.T. : 4.820 min  
Response: 0  
Conc: N.D.



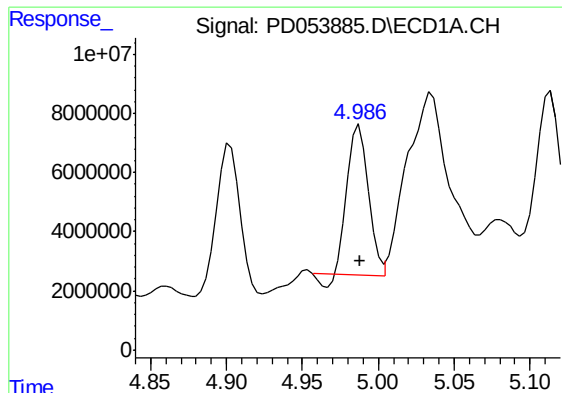
#7 delta-BHC

R.T.: 4.462 min  
Delta R.T.: -0.005 min  
Response: 2588552  
Conc: 2.41 ng/ml



#7 delta-BHC

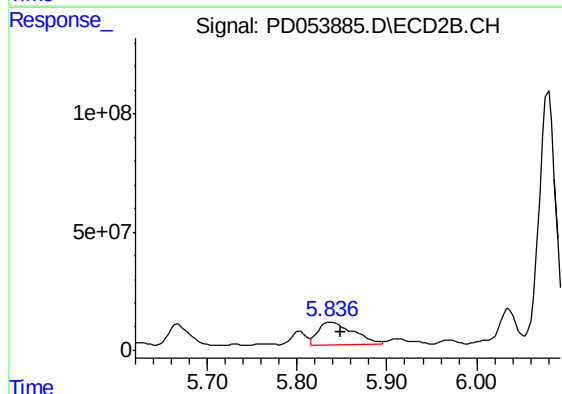
R.T.: 5.062 min  
Delta R.T.: 0.025 min  
Response: 1968400  
Conc: 1.29 ng/ml



#8 Heptachlor epoxide

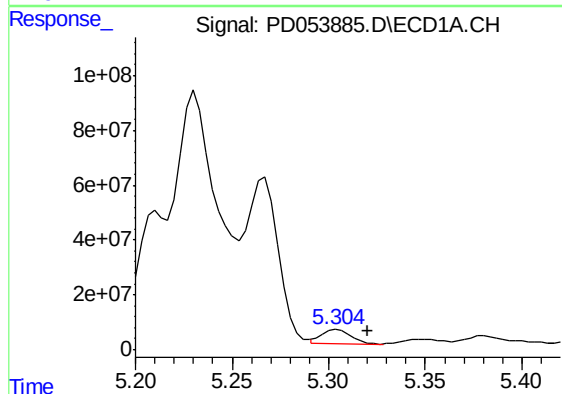
R.T.: 4.987 min  
Delta R.T.: 0.000 min  
Response: 46827010  
Conc: 50.70 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C5BC6MSD



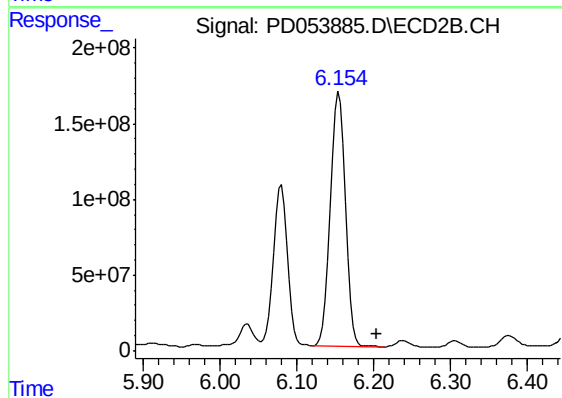
#8 Heptachlor epoxide

R.T.: 5.837 min  
Delta R.T.: -0.012 min  
Response: 260669508  
Conc: 181.61 ng/ml



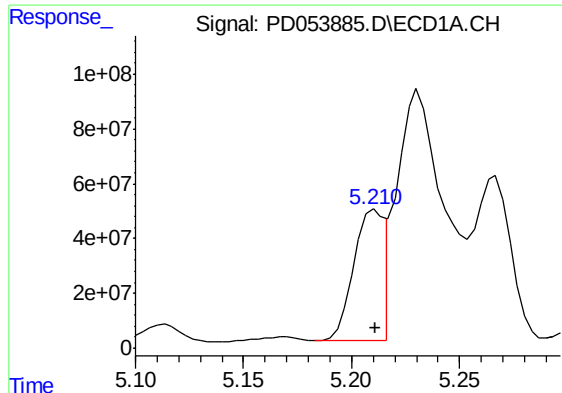
#9 Endosulfan I

R.T.: 5.305 min  
Delta R.T.: -0.016 min  
Response: 57144716  
Conc: 64.63 ng/ml



#9 Endosulfan I

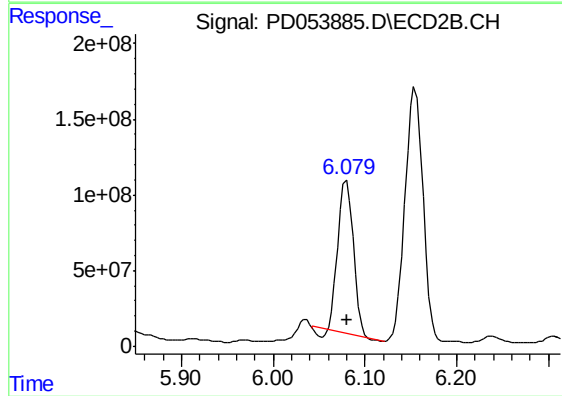
R.T.: 6.155 min  
Delta R.T.: -0.048 min  
Response: 2290460061  
Conc: 1695.40 ng/ml



#10 trans-Chlordane

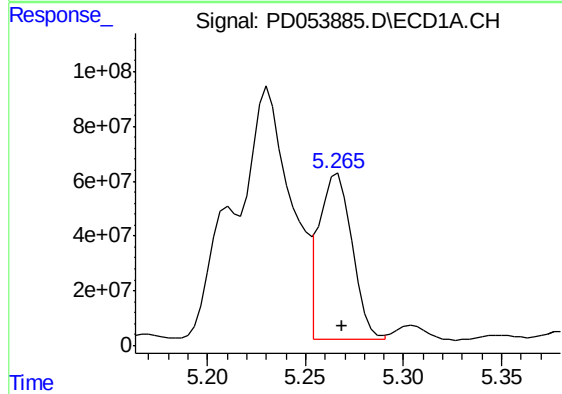
R.T.: 5.211 min  
Delta R.T.: 0.000 min  
Response: 427670826  
Conc: 446.82 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C5BC6MSD



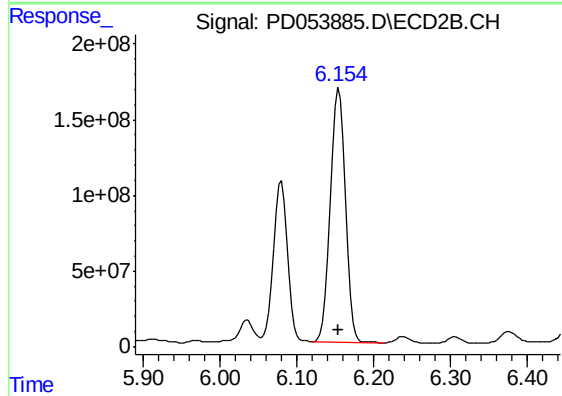
#10 trans-Chlordane

R.T.: 6.080 min  
Delta R.T.: -0.001 min  
Response: 1157073259  
Conc: 766.56 ng/ml



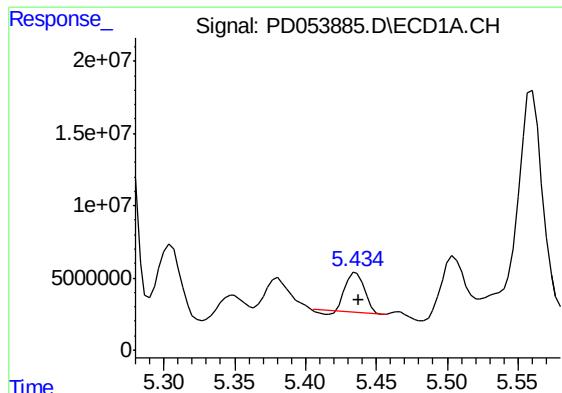
#11 cis-Chlordane

R.T.: 5.267 min  
Delta R.T.: -0.002 min  
Response: 720863735  
Conc: 771.94 ng/ml



#11 cis-Chlordane

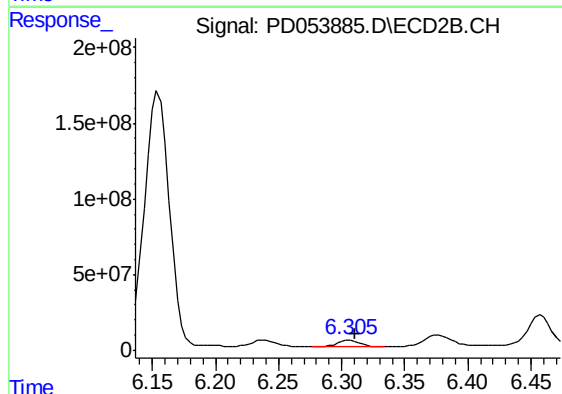
R.T.: 6.155 min  
Delta R.T.: 0.000 min  
Response: 2290460061  
Conc: 1555.39 ng/ml



#12 4,4'-DDE

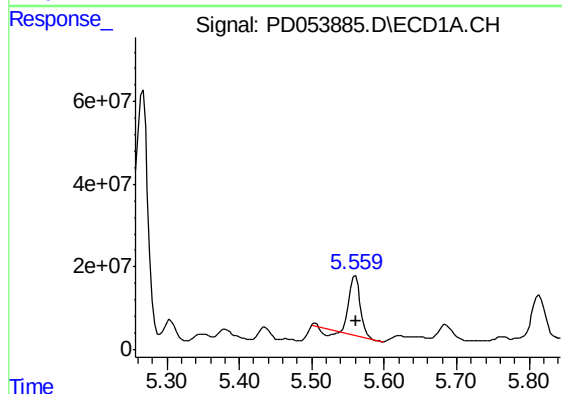
R.T.: 5.436 min  
Delta R.T.: -0.002 min  
Response: 24767781  
Conc: 27.33 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C5BC6MSD



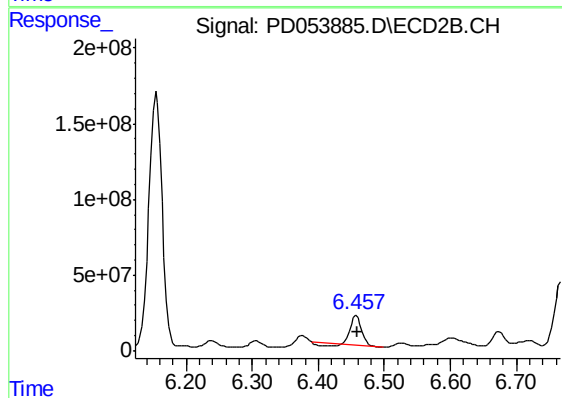
#12 4,4'-DDE

R.T.: 6.307 min  
Delta R.T.: -0.004 min  
Response: 56183859  
Conc: 39.92 ng/ml



#13 Dieldrin

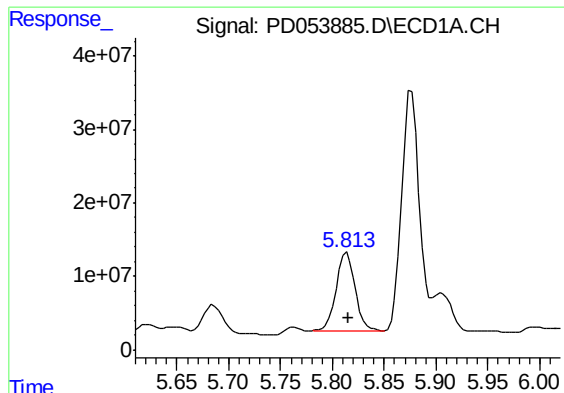
R.T.: 5.560 min  
Delta R.T.: 0.000 min  
Response: 145387013  
Conc: 148.38 ng/ml



#13 Dieldrin

R.T.: 6.458 min  
Delta R.T.: -0.001 min  
Response: 206963151  
Conc: 139.65 ng/ml

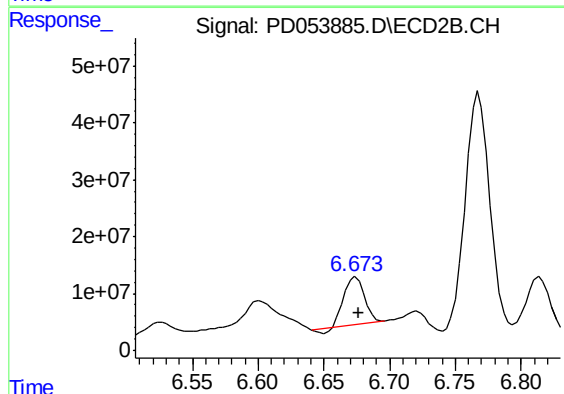




#14 Endrin

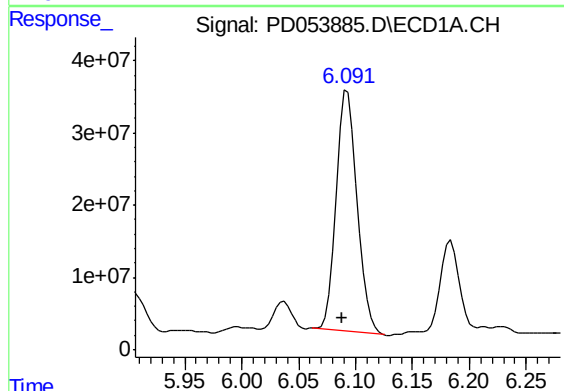
R.T.: 5.814 min  
Delta R.T.: -0.001 min  
Response: 134959956  
Conc: 162.23 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C5BC6MSD



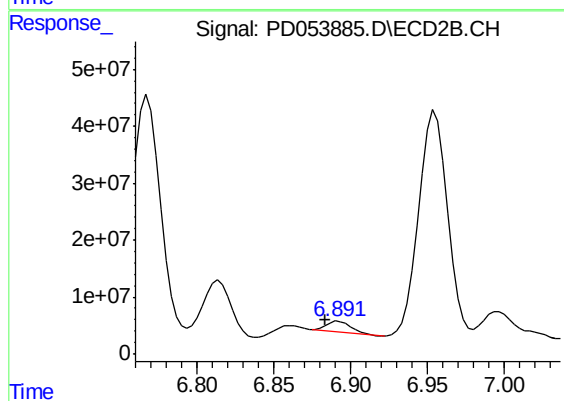
#14 Endrin

R.T.: 6.674 min  
Delta R.T.: -0.002 min  
Response: 83805035  
Conc: 73.02 ng/ml



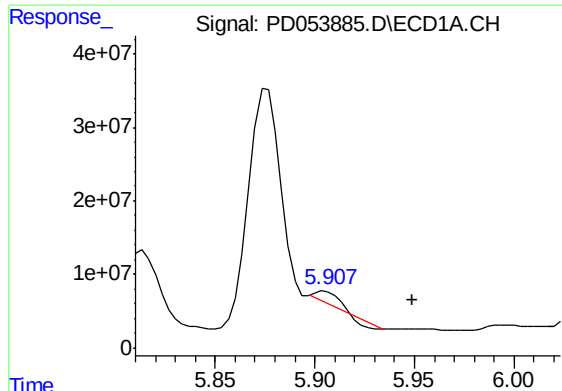
#15 Endosulfan II

R.T.: 6.093 min  
Delta R.T.: 0.004 min  
Response: 420810268  
Conc: 488.15 ng/ml



#15 Endosulfan II

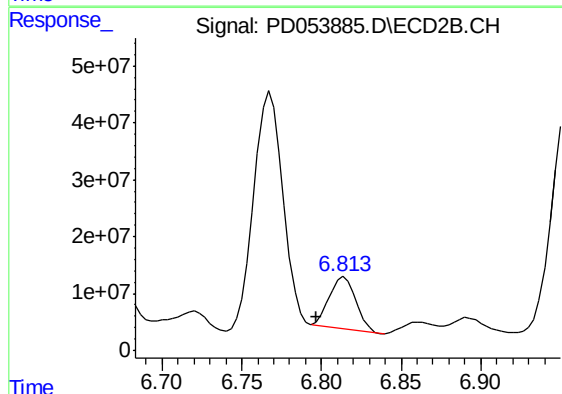
R.T.: 6.892 min  
Delta R.T.: 0.009 min  
Response: 21602887  
Conc: 16.50 ng/ml



#16 4,4'-DDD

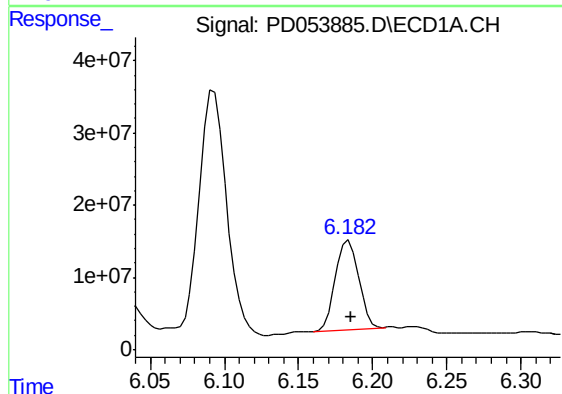
R.T.: 5.905 min  
Delta R.T.: -0.044 min  
Response: 12123974  
Conc: 17.75 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C5BC6MSD



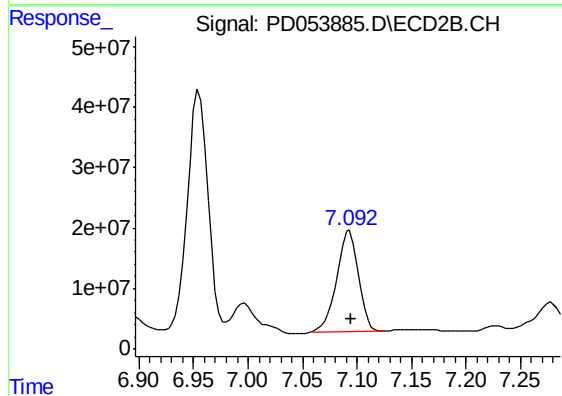
#16 4,4'-DDD

R.T.: 6.814 min  
Delta R.T.: 0.017 min  
Response: 105930565  
Conc: 95.26 ng/ml



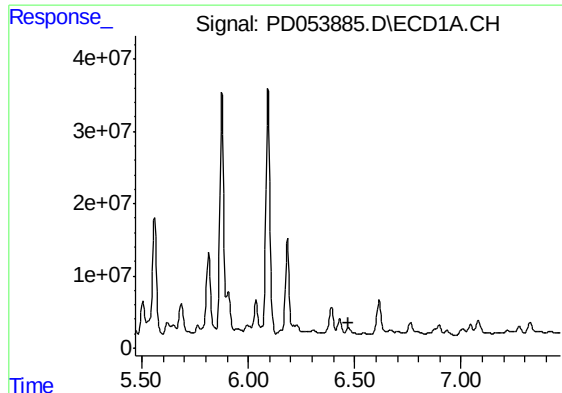
#17 4,4'-DDT

R.T.: 6.184 min  
Delta R.T.: -0.002 min  
Response: 135816283  
Conc: 189.51 ng/ml



#17 4,4'-DDT

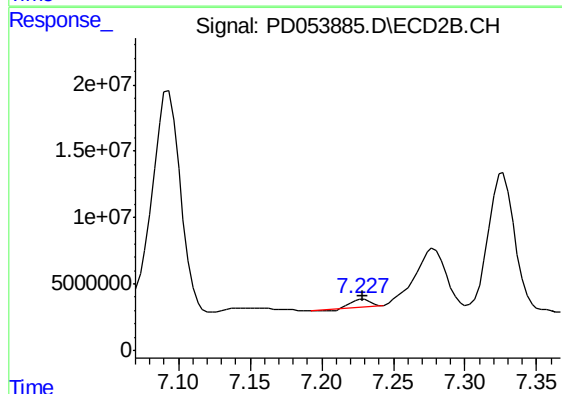
R.T.: 7.093 min  
Delta R.T.: -0.002 min  
Response: 232601360  
Conc: 197.19 ng/ml



#19 Endosulfan Sulfate

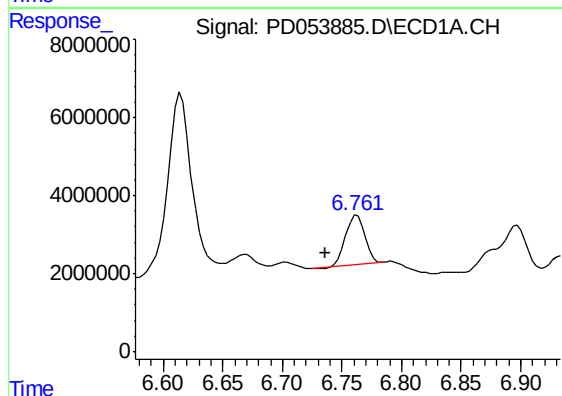
R.T.: 6.471 min  
Delta R.T.: 0.003 min  
Response: -14520076  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
C5BC6MSD



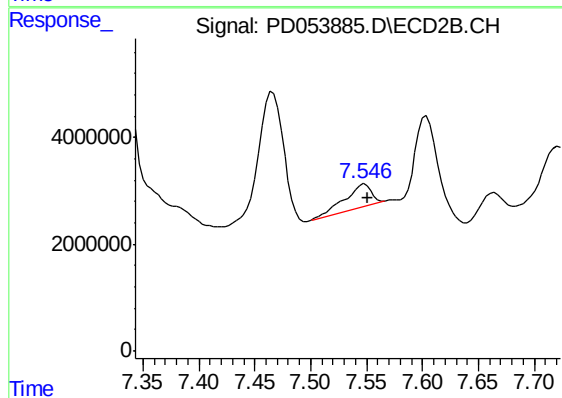
#19 Endosulfan Sulfate

R.T.: 7.228 min  
Delta R.T.: 0.000 min  
Response: 4887007  
Conc: 3.99 ng/ml



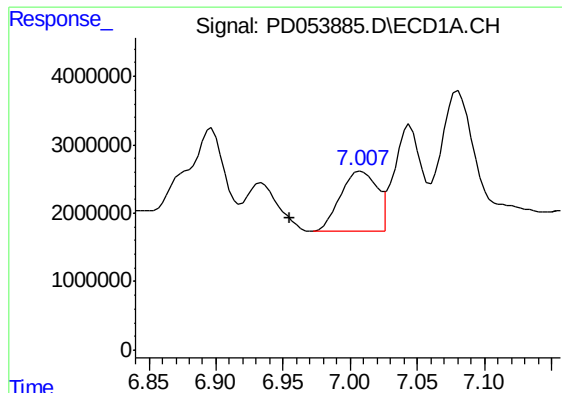
#20 Methoxychlor

R.T.: 6.763 min  
Delta R.T.: 0.026 min  
Response: 13997083  
Conc: 42.48 ng/ml



#20 Methoxychlor

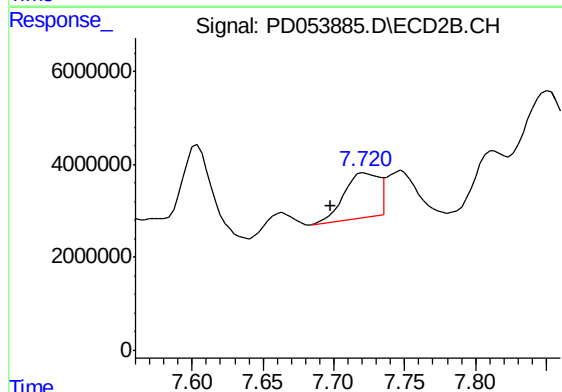
R.T.: 7.548 min  
Delta R.T.: -0.003 min  
Response: 7126584  
Conc: 11.96 ng/ml



#21 Endrin ketone

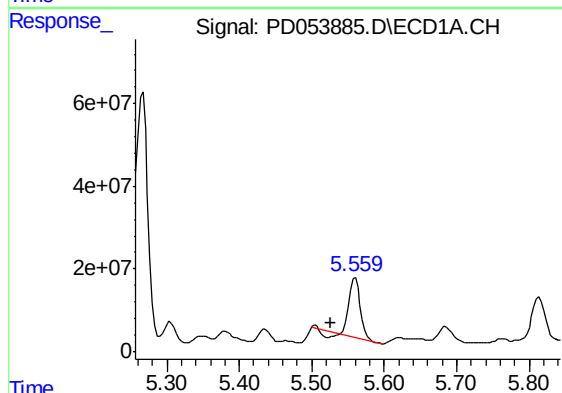
R.T.: 7.009 min  
Delta R.T.: 0.053 min  
Response: 16429845  
Conc: 18.31 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C5BC6MSD



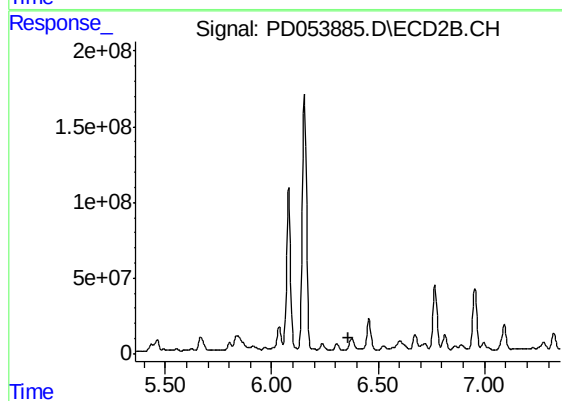
#21 Endrin ketone

R.T.: 7.722 min  
Delta R.T.: 0.024 min  
Response: 16088932  
Conc: 12.27 ng/ml



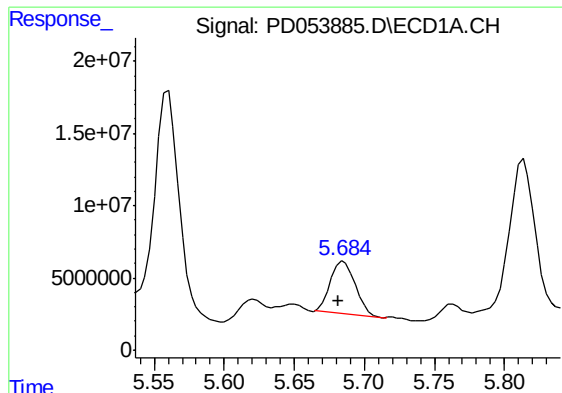
#22 Toxaphene-1

R.T.: 5.560 min  
Delta R.T.: 0.034 min  
Response: 145387013  
Conc: 26621.38 ng/ml



#22 Toxaphene-1

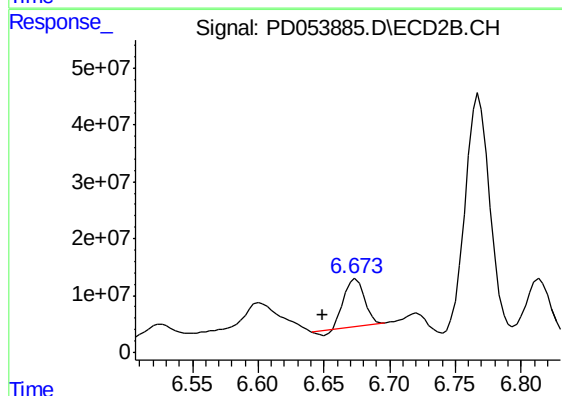
R.T.: 6.377 min  
Delta R.T.: 0.017 min  
Response: -9368974  
Conc: N.D.



#23 Toxaphene-2

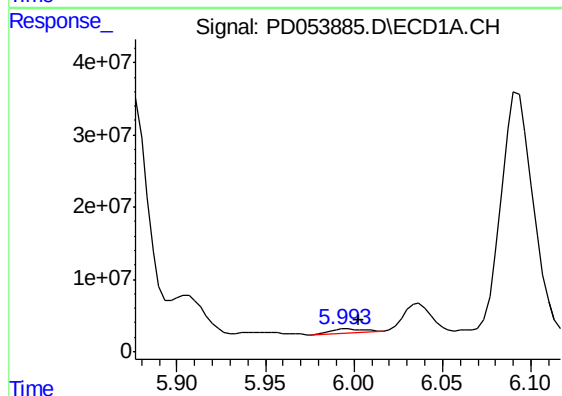
R.T.: 5.685 min  
Delta R.T.: 0.004 min  
Response: 45204585  
Conc: 7689.32 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C5BC6MSD



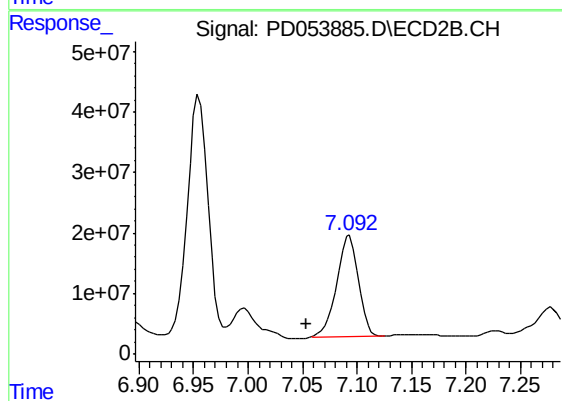
#23 Toxaphene-2

R.T.: 6.674 min  
Delta R.T.: 0.025 min  
Response: 83805035  
Conc: 10030.17 ng/ml



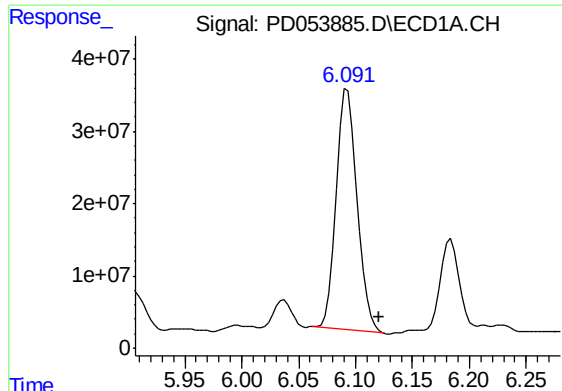
#24 Toxaphene-3

R.T.: 5.996 min  
Delta R.T.: -0.007 min  
Response: 6426634  
Conc: 1218.76 ng/ml



#24 Toxaphene-3

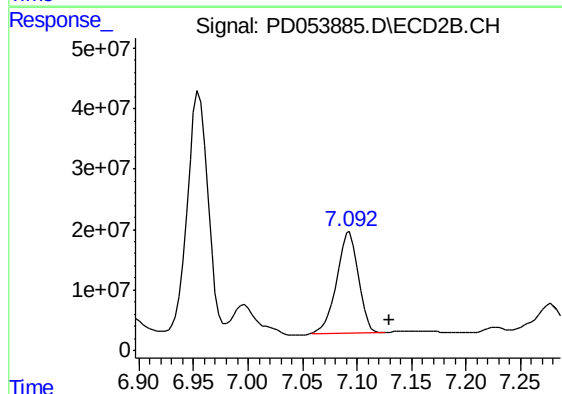
R.T.: 7.093 min  
Delta R.T.: 0.040 min  
Response: 232601360  
Conc: 18836.95 ng/ml



#25 Toxaphene-4

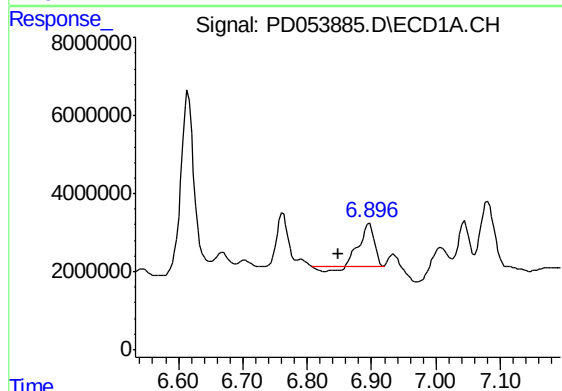
R.T.: 6.093 min  
Delta R.T.: -0.028 min  
Response: 420810268  
Conc: 27979.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C5BC6MSD



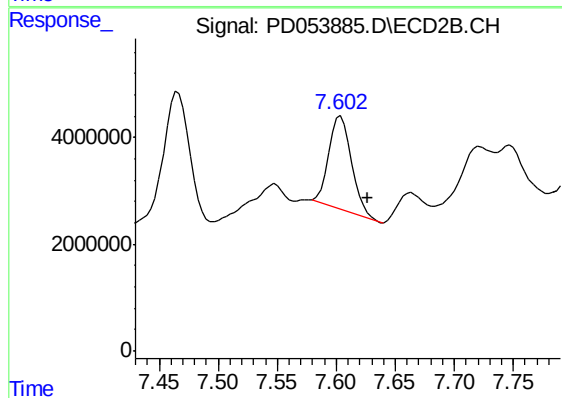
#25 Toxaphene-4

R.T.: 7.093 min  
Delta R.T.: -0.037 min  
Response: 232601360  
Conc: 6873.02 ng/ml



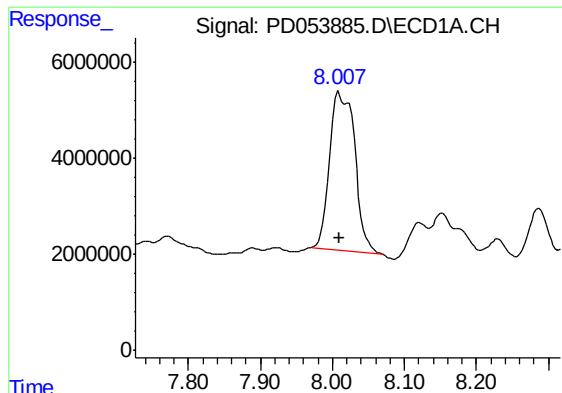
#26 Toxaphene-5

R.T.: 6.897 min  
Delta R.T.: 0.049 min  
Response: 15831952  
Conc: 860.75 ng/ml



#26 Toxaphene-5

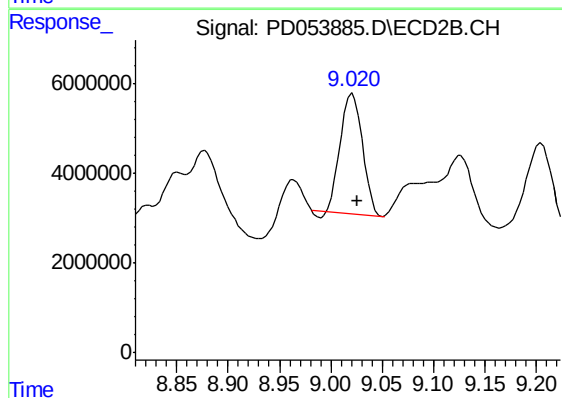
R.T.: 7.604 min  
Delta R.T.: -0.023 min  
Response: 23967382  
Conc: 1562.26 ng/ml



#27 Decachlorobiphenyl

R.T.: 8.009 min  
Delta R.T.: -0.002 min  
Response: 80408728  
Conc: 108.27 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C5BC6MSD



#27 Decachlorobiphenyl

R.T.: 9.021 min  
Delta R.T.: -0.005 min  
Response: 39818134  
Conc: 38.11 ng/ml