

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD122019\  
 Data File : PD056700.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Dec 2019 18:26  
 Operator : SG\AJ  
 Sample : K6277-22MSD  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 C0C93MSD

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Dec 20 22:18:25 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD120219CLP.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Dec 03 08:51:13 2019  
 Response via : Initial Calibration  
 Integrator: ChemStation

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... | 3.285  | 3.959  | 10670134 | 17270731 | 12.884   | 14.365    |
| 27)                         | SA Decachlor... | 7.956  | 8.992  | 12138753 | 17712872 | 13.443   | 14.722    |
| Target Compounds            |                 |        |        |          |          |          |           |
| 2)                          | A alpha-BHC     | 0.000  | 4.316f | 0        | 1712552  | N.D.     | 1.027     |
| 3)                          | MA gamma-BHC... | 3.987  | 4.628  | 41131805 | 57056797 | 36.629   | 35.355    |
| 4)                          | MA Heptachlor   | 4.272  | 5.134  | 37137919 | 50530694 | 36.846   | 31.004    |
| 5)                          | MB Aldrin       | 4.511  | 5.437  | 30363778 | 49148880 | 27.960   | 29.911    |
| 6)                          | B beta-BHC      | 4.272f | 4.810  | 37137919 | 583793   | 68.999   | 0.708 #   |
| 7)                          | B delta-BHC     | 4.426  | 0.000  | 2502894  | 0        | 2.134    | N.D. #    |
| 8)                          | B Heptachlor... | 5.013f | 5.814  | 2575682  | 1591645  | 2.518    | 1.027 #   |
| 9)                          | A Endosulfan I  | 5.291  | 6.213  | 16435632 | 5273132  | 17.775   | 3.634 #   |
| 10)                         | B trans-Chl...  | 0.000  | 6.040  | 0        | 36241381 | N.D.     | 21.919    |
| 11)                         | B cis-Chlor...  | 5.291f | 6.095f | 16435632 | 53845    | 16.095   | <MDL #    |
| 12)                         | B 4,4'-DDE      | 0.000  | 6.283  | 0        | 350677   | N.D.     | 0.223     |
| 13)                         | MA Dieldrin     | 5.517  | 6.432  | 68625546 | 98668714 | 67.561   | 62.789    |
| 14)                         | MA Endrin       | 5.771  | 6.649  | 49358613 | 78137374 | 59.063   | 61.740    |
| 15)                         | B Endosulfa...  | 0.000  | 6.846  | 0        | 3549081  | N.D.     | 2.422     |
| 16)                         | A 4,4'-DDD      | 5.910  | 6.767  | 4881088  | 11540333 | 6.858    | 9.807 #   |
| 17)                         | MA 4,4'-DDT     | 6.140  | 7.069  | 38840848 | 71719842 | 55.200   | 60.669    |
| 18)                         | B Endrin al...  | 0.000  | 7.003  | 0        | 2971511  | N.D.     | 2.444     |
| 19)                         | B Endosulfa...  | 0.000  | 7.182  | 0        | 6339909  | N.D.     | 4.742     |
| 20)                         | A Methoxychlor  | 0.000  | 7.541  | 0        | 4951061  | N.D.     | 8.172     |
| 21)                         | B Endrin ke...  | 6.971f | 7.668  | 5604593  | 1813561  | 5.788    | 1.233 #   |
| 22)                         | Toxaphene-1     | 5.517  | 6.358  | 68625546 | 1545005  | 7616.740 | 137.616 # |
| 23)                         | Toxaphene-2     | 0.000  | 6.649  | 0        | 78137374 | N.D.     | 5661.983  |
| 24)                         | Toxaphene-3     | 5.910  | 7.003  | 4881088  | 2971511  | 589.853  | 151.058 # |
| 25)                         | Toxaphene-4     | 6.140  | 7.069  | 38840848 | 71719842 | 1567.716 | 1298.910  |
| 26)                         | Toxaphene-5     | 6.806  | 7.579  | 4643665  | 3145171  | 153.874  | 123.055   |
| -----                       |                 |        |        |          |          |          |           |

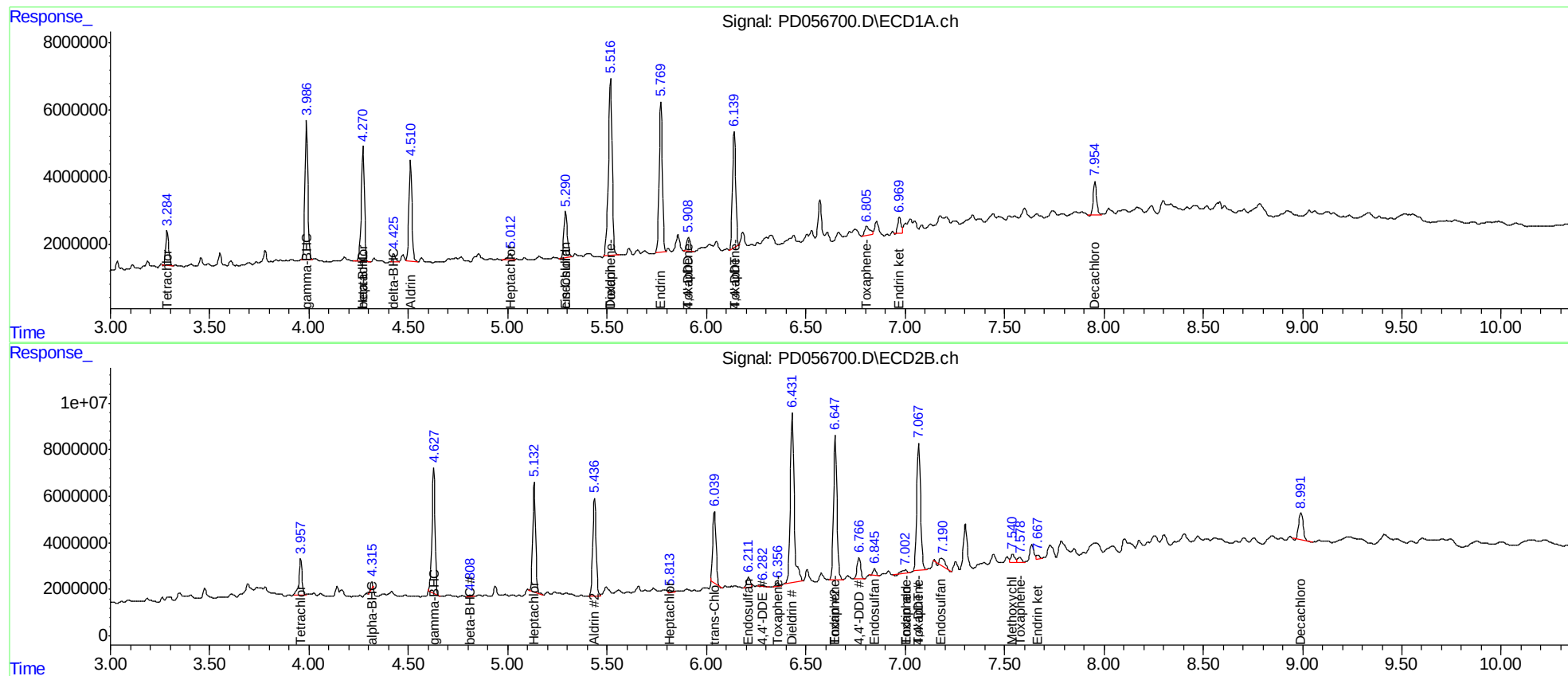
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

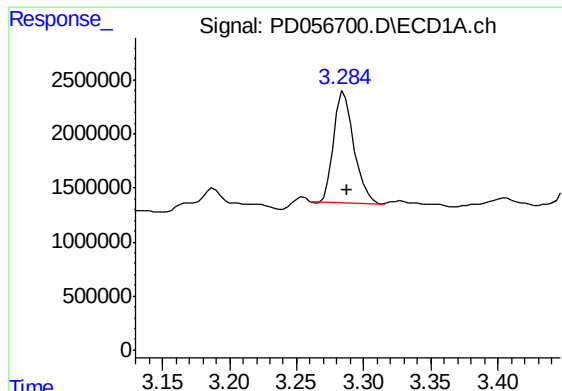
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD122019\  
Data File : PD056700.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Dec 2019 18:26  
Operator : SG\AJ  
Sample : K6277-22MSD  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
C0C93MSD

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 20 22:18:25 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD120219CLP.M  
Quant Title : GC Extractables  
QLast Update : Tue Dec 03 08:51:13 2019  
Response via : Initial Calibration  
Integrator: ChemStation

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

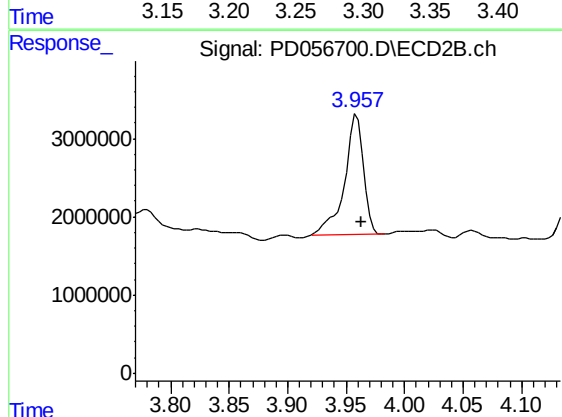




#1 Tetrachloro-m-xylene

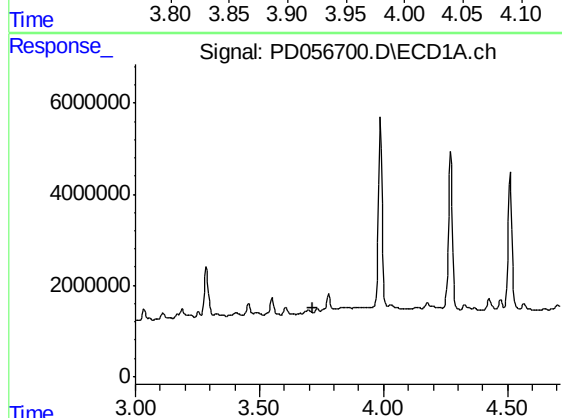
R.T.: 3.285 min  
Delta R.T.: -0.003 min  
Response: 10670134  
Conc: 12.88 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C0C93MSD



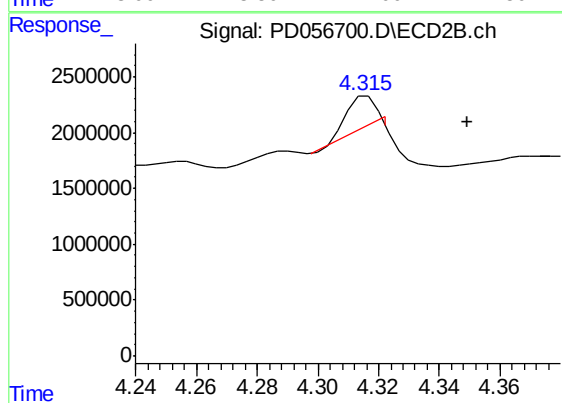
#1 Tetrachloro-m-xylene

R.T.: 3.959 min  
Delta R.T.: -0.004 min  
Response: 17270731  
Conc: 14.37 ng/ml



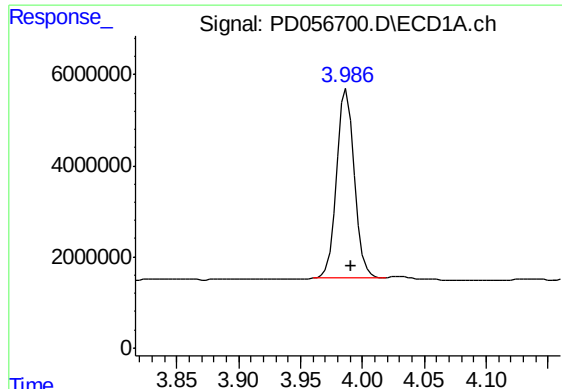
#2 alpha-BHC

R.T.: 0.000 min  
Exp R.T. : 3.715 min  
Response: 0  
Conc: N.D.



#2 alpha-BHC

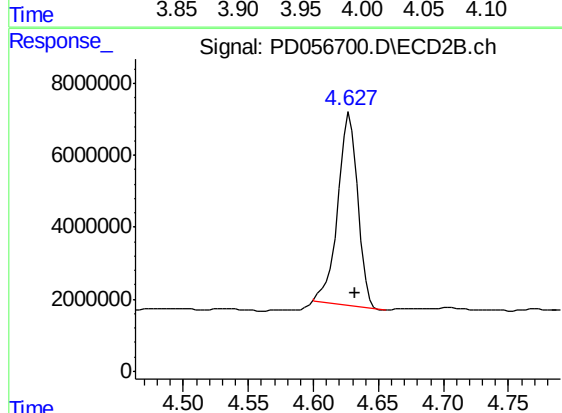
R.T.: 4.316 min  
Delta R.T.: -0.033 min  
Response: 1712552  
Conc: 1.03 ng/ml



#3 gamma-BHC (Lindane)

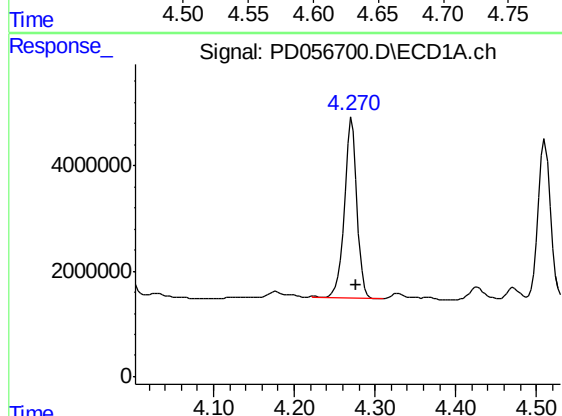
R.T.: 3.987 min  
Delta R.T.: -0.003 min  
Response: 41131805  
Conc: 36.63 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C0C93MSD



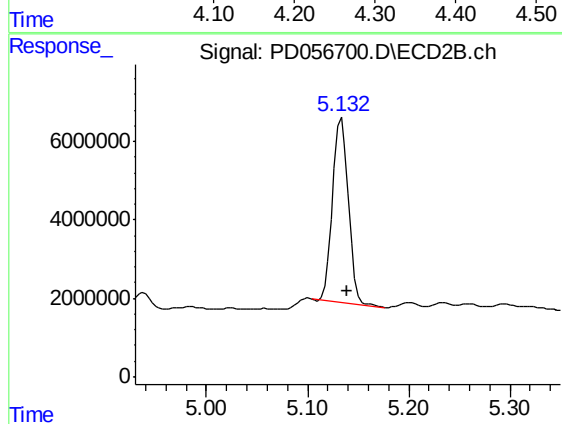
#3 gamma-BHC (Lindane)

R.T.: 4.628 min  
Delta R.T.: -0.004 min  
Response: 57056797  
Conc: 35.35 ng/ml



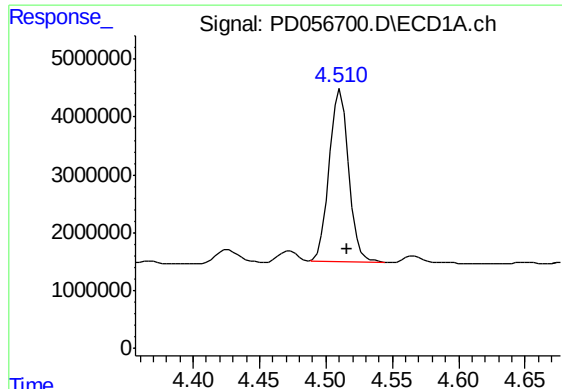
#4 Heptachlor

R.T.: 4.272 min  
Delta R.T.: -0.005 min  
Response: 37137919  
Conc: 36.85 ng/ml



#4 Heptachlor

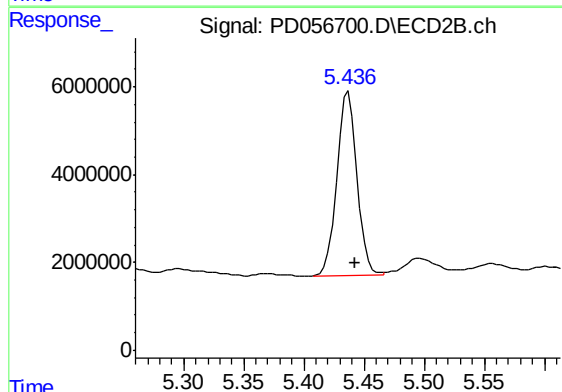
R.T.: 5.134 min  
Delta R.T.: -0.005 min  
Response: 50530694  
Conc: 31.00 ng/ml



#5 Aldrin

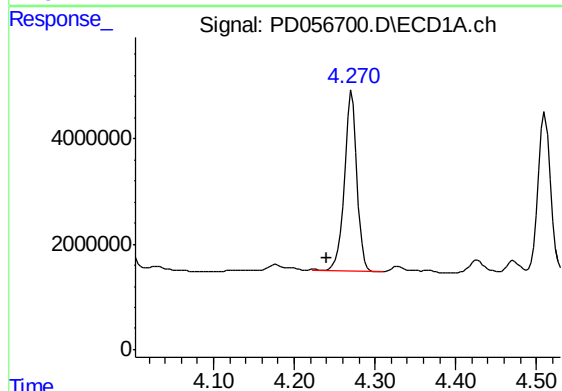
R.T.: 4.511 min  
Delta R.T.: -0.005 min  
Response: 30363778  
Conc: 27.96 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C0C93MSD



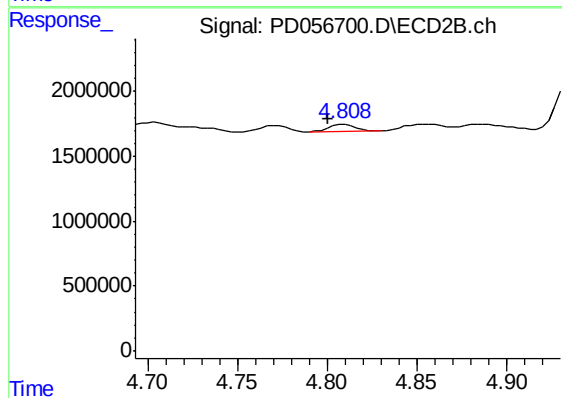
#5 Aldrin

R.T.: 5.437 min  
Delta R.T.: -0.005 min  
Response: 49148880  
Conc: 29.91 ng/ml



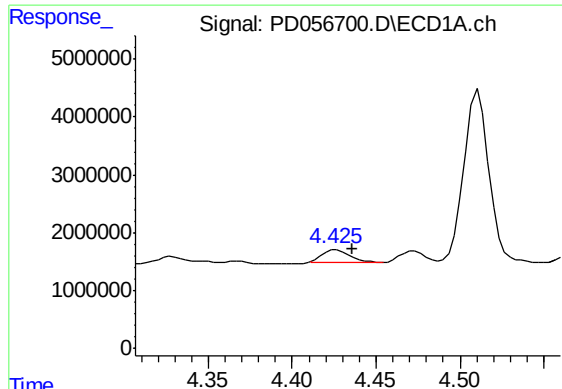
#6 beta-BHC

R.T.: 4.272 min  
Delta R.T.: 0.031 min  
Response: 37137919  
Conc: 69.00 ng/ml



#6 beta-BHC

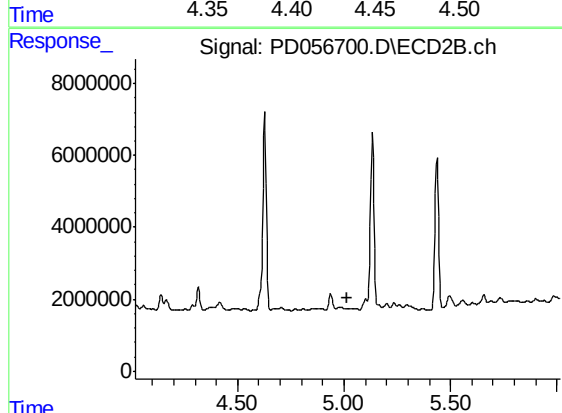
R.T.: 4.810 min  
Delta R.T.: 0.009 min  
Response: 583793  
Conc: 0.71 ng/ml



#7 delta-BHC

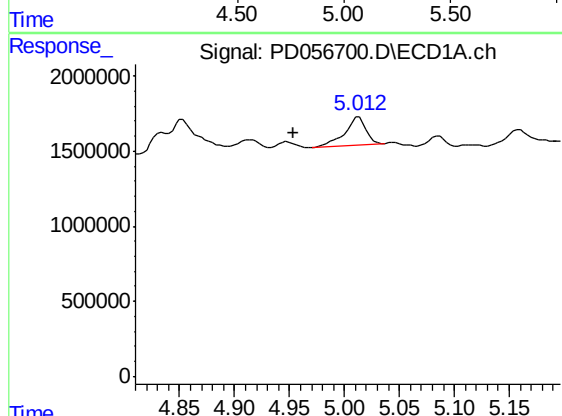
R.T.: 4.426 min  
Delta R.T.: -0.010 min  
Response: 2502894  
Conc: 2.13 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C0C93MSD



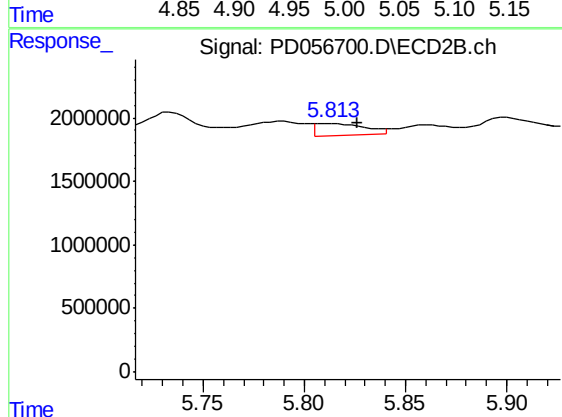
#7 delta-BHC

R.T.: 0.000 min  
Exp R.T. : 5.017 min  
Response: 0  
Conc: N.D.



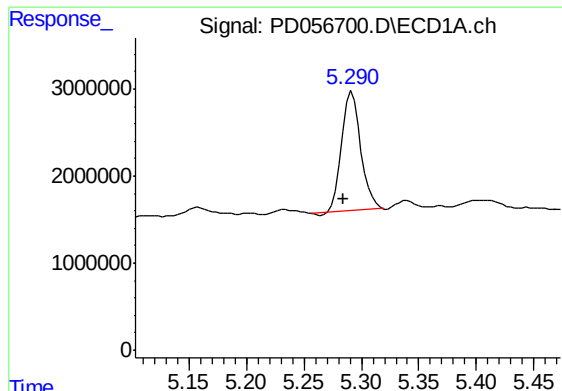
#8 Heptachlor epoxide

R.T.: 5.013 min  
Delta R.T.: 0.060 min  
Response: 2575682  
Conc: 2.52 ng/ml



#8 Heptachlor epoxide

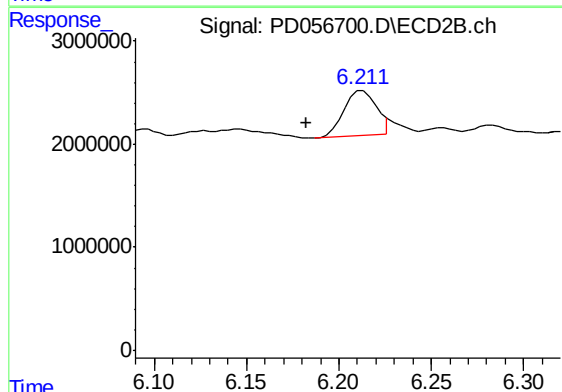
R.T.: 5.814 min  
Delta R.T.: -0.013 min  
Response: 1591645  
Conc: 1.03 ng/ml



#9 Endosulfan I

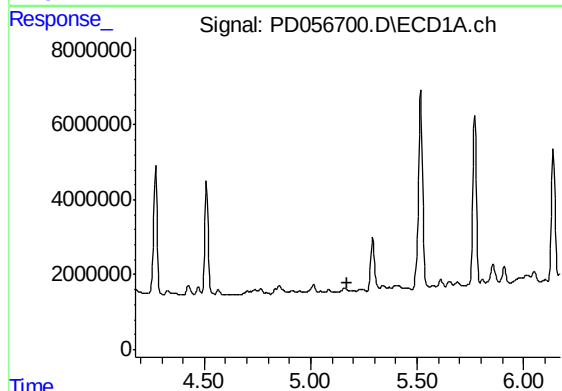
R.T.: 5.291 min  
Delta R.T.: 0.007 min  
Response: 16435632  
Conc: 17.78 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C0C93MSD



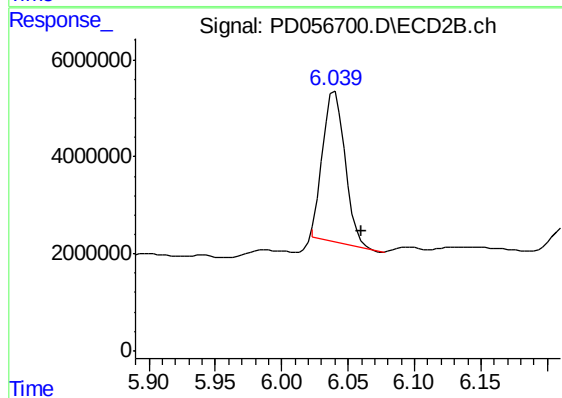
#9 Endosulfan I

R.T.: 6.213 min  
Delta R.T.: 0.031 min  
Response: 5273132  
Conc: 3.63 ng/ml



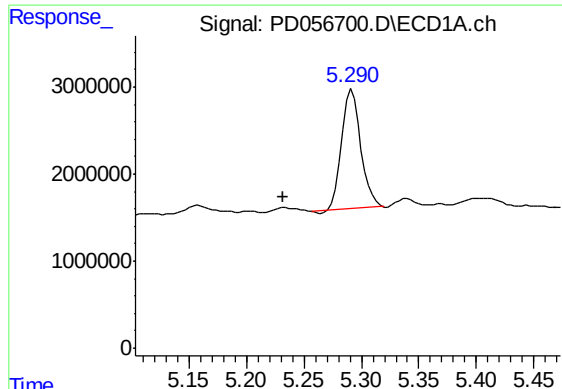
#10 trans-Chlordane

R.T.: 0.000 min  
Exp R.T. : 5.175 min  
Response: 0  
Conc: N.D.



#10 trans-Chlordane

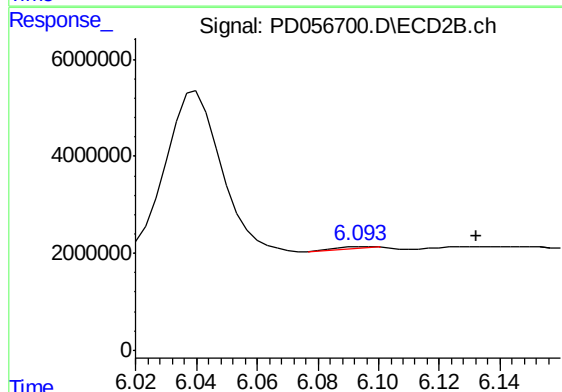
R.T.: 6.040 min  
Delta R.T.: -0.020 min  
Response: 36241381  
Conc: 21.92 ng/ml



#11 cis-Chlordane

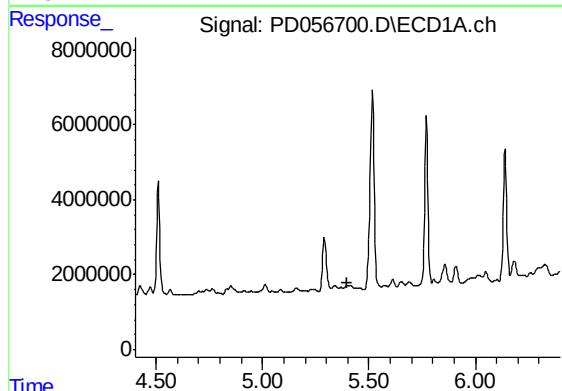
R.T.: 5.291 min  
Delta R.T.: 0.060 min  
Response: 16435632  
Conc: 16.09 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C0C93MSD



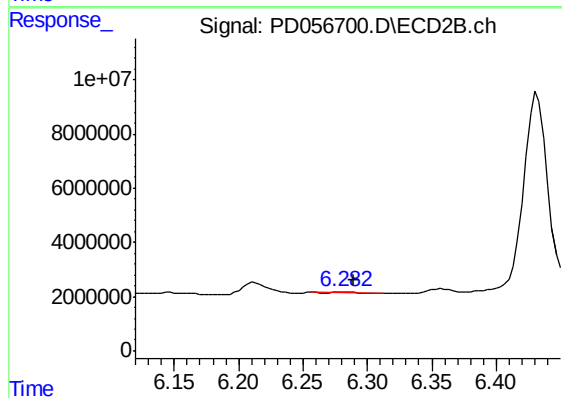
#11 cis-Chlordane

R.T.: 6.095 min  
Delta R.T.: -0.037 min  
Response: 53845  
Conc: N.D.



#12 4,4'-DDE

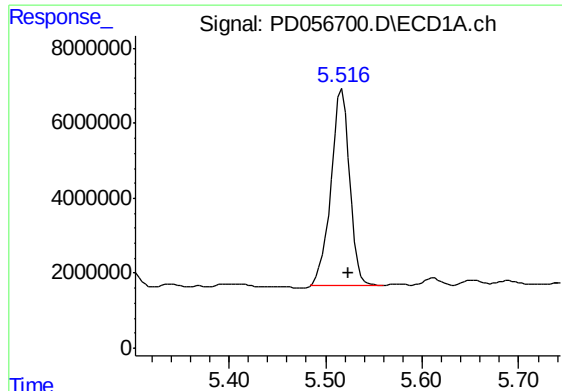
R.T.: 0.000 min  
Exp R.T. : 5.401 min  
Response: 0  
Conc: N.D.



#12 4,4'-DDE

R.T.: 6.283 min  
Delta R.T.: -0.006 min  
Response: 350677  
Conc: 0.22 ng/ml

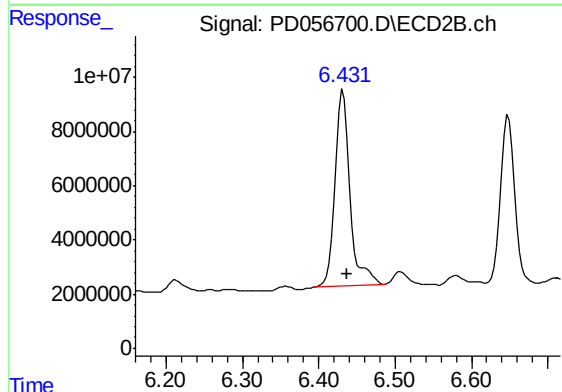




#13 Dielldrin

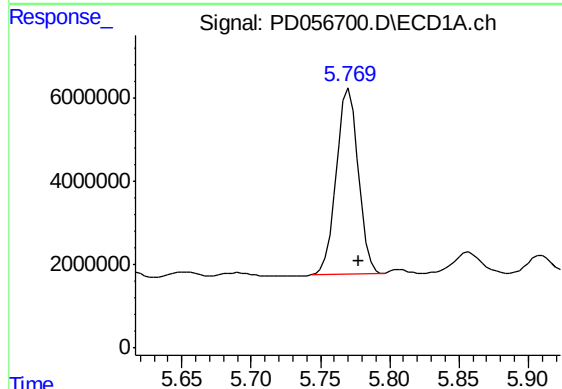
R.T.: 5.517 min  
Delta R.T.: -0.007 min  
Response: 68625546  
Conc: 67.56 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C0C93MSD



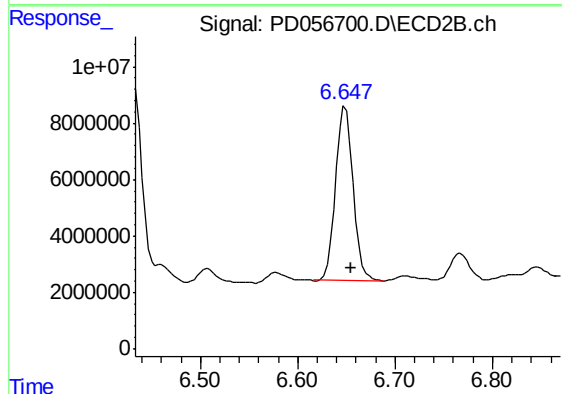
#13 Dielldrin

R.T.: 6.432 min  
Delta R.T.: -0.006 min  
Response: 98668714  
Conc: 62.79 ng/ml



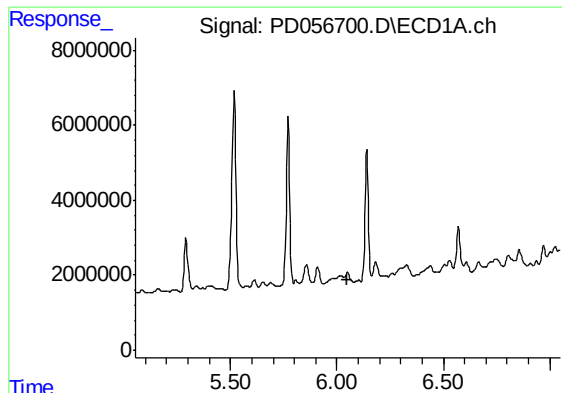
#14 Endrin

R.T.: 5.771 min  
Delta R.T.: -0.007 min  
Response: 49358613  
Conc: 59.06 ng/ml



#14 Endrin

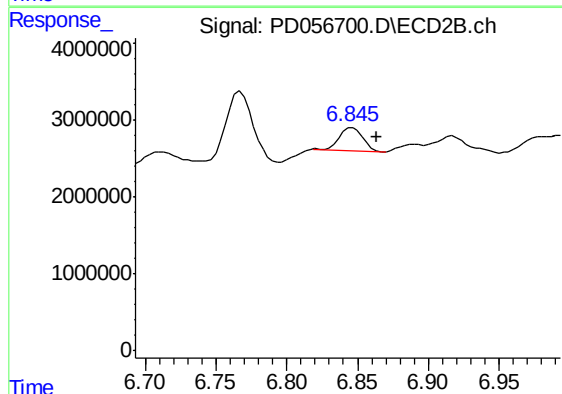
R.T.: 6.649 min  
Delta R.T.: -0.006 min  
Response: 78137374  
Conc: 61.74 ng/ml



#15 Endosulfan II

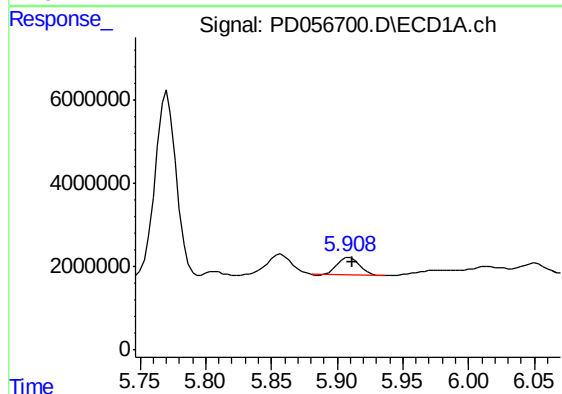
R.T.: 0.000 min  
Exp R.T.: 6.051 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
C0C93MSD



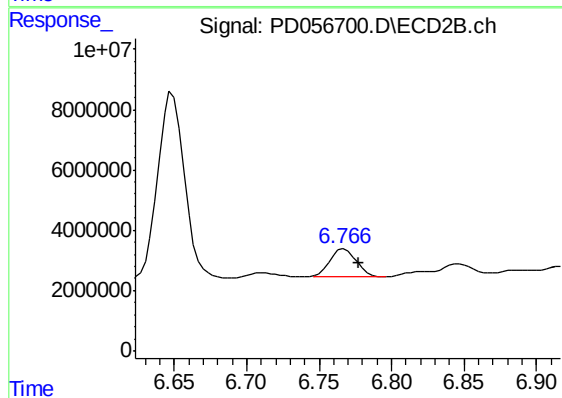
#15 Endosulfan II

R.T.: 6.846 min  
Delta R.T.: -0.017 min  
Response: 3549081  
Conc: 2.42 ng/ml



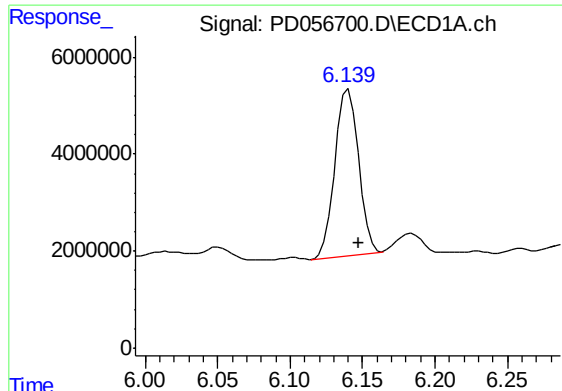
#16 4,4'-DDD

R.T.: 5.910 min  
Delta R.T.: -0.002 min  
Response: 4881088  
Conc: 6.86 ng/ml



#16 4,4'-DDD

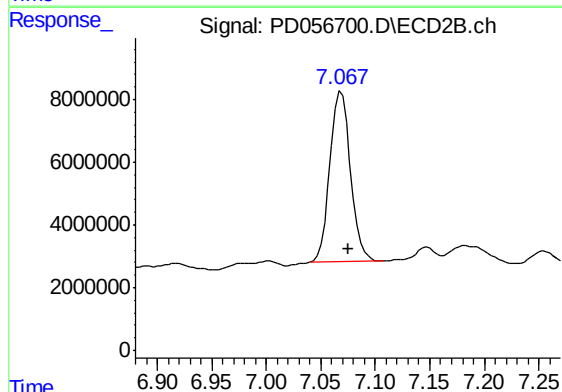
R.T.: 6.767 min  
Delta R.T.: -0.010 min  
Response: 11540333  
Conc: 9.81 ng/ml



#17 4,4'-DDT

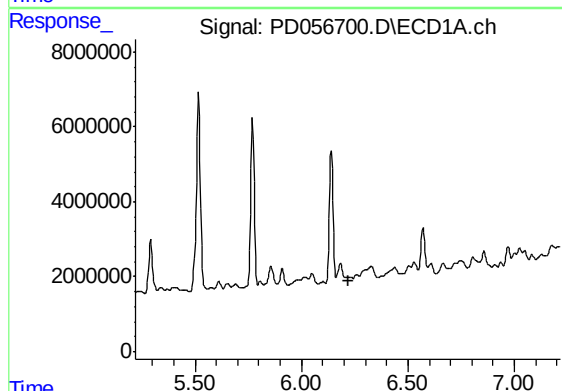
R.T.: 6.140 min  
Delta R.T.: -0.007 min  
Response: 38840848  
Conc: 55.20 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C0C93MSD



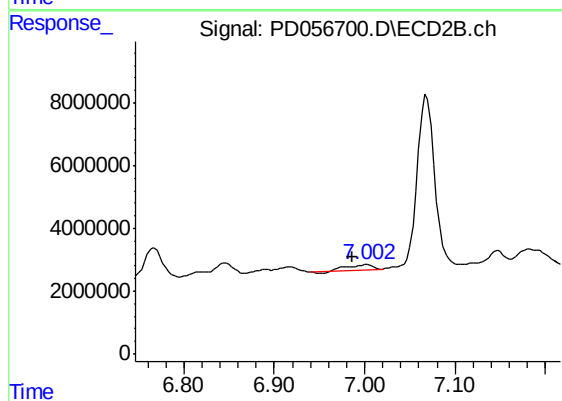
#17 4,4'-DDT

R.T.: 7.069 min  
Delta R.T.: -0.007 min  
Response: 71719842  
Conc: 60.67 ng/ml



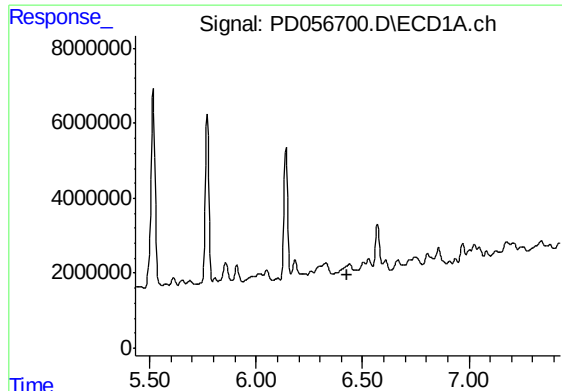
#18 Endrin aldehyde

R.T.: 0.000 min  
Exp R.T. : 6.219 min  
Response: 0  
Conc: N.D.



#18 Endrin aldehyde

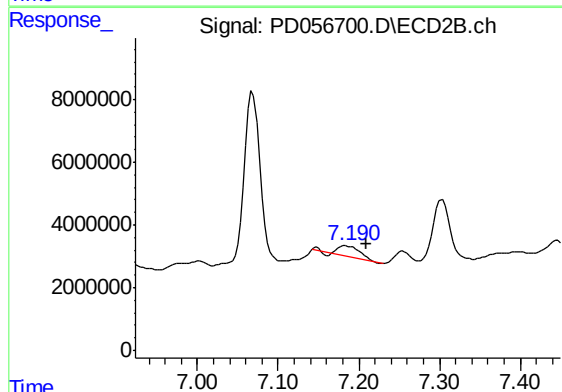
R.T.: 7.003 min  
Delta R.T.: 0.016 min  
Response: 2971511  
Conc: 2.44 ng/ml



#19 Endosulfan Sulfate

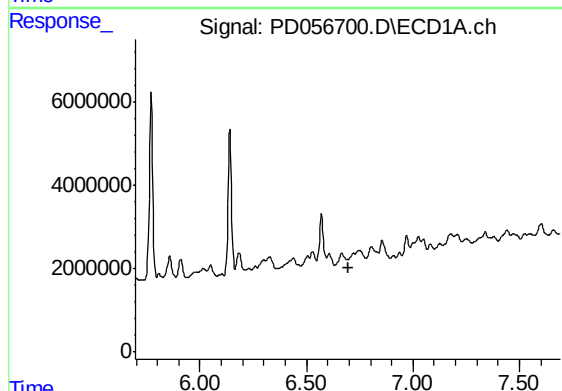
R.T.: 0.000 min  
Exp R.T.: 6.430 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
C0C93MSD



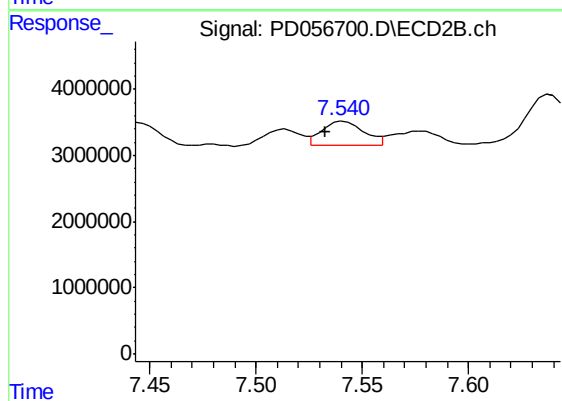
#19 Endosulfan Sulfate

R.T.: 7.182 min  
Delta R.T.: -0.028 min  
Response: 6339909  
Conc: 4.74 ng/ml



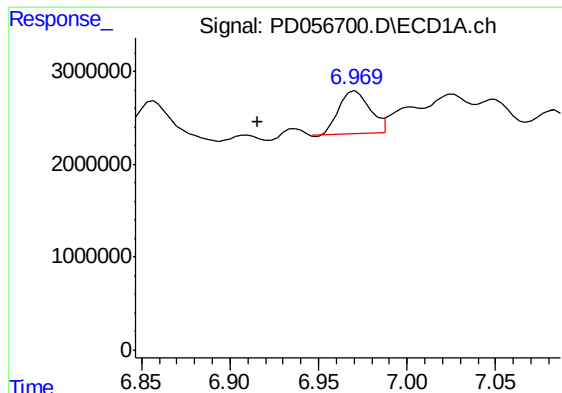
#20 Methoxychlor

R.T.: 0.000 min  
Exp R.T.: 6.696 min  
Response: 0  
Conc: N.D.



#20 Methoxychlor

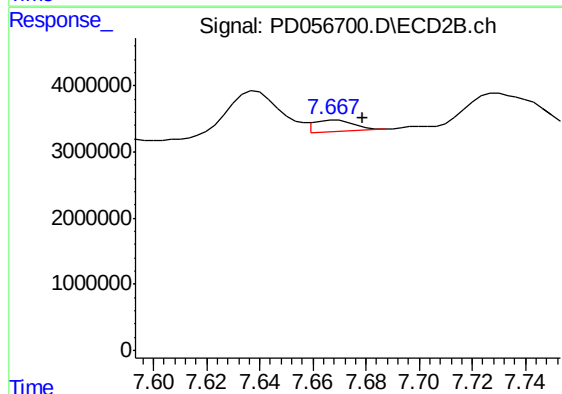
R.T.: 7.541 min  
Delta R.T.: 0.009 min  
Response: 4951061  
Conc: 8.17 ng/ml



#21 Endrin ketone

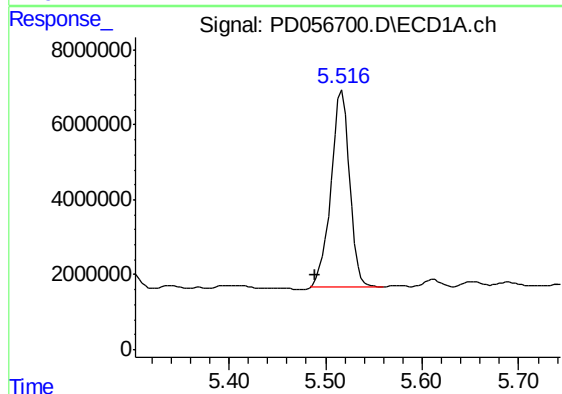
R.T.: 6.971 min  
Delta R.T.: 0.055 min  
Response: 5604593  
Conc: 5.79 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C0C93MSD



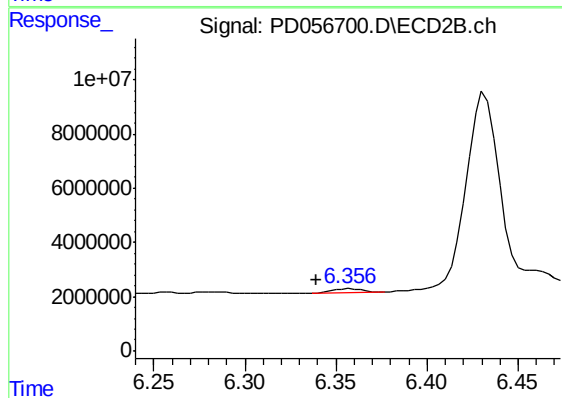
#21 Endrin ketone

R.T.: 7.668 min  
Delta R.T.: -0.011 min  
Response: 1813561  
Conc: 1.23 ng/ml



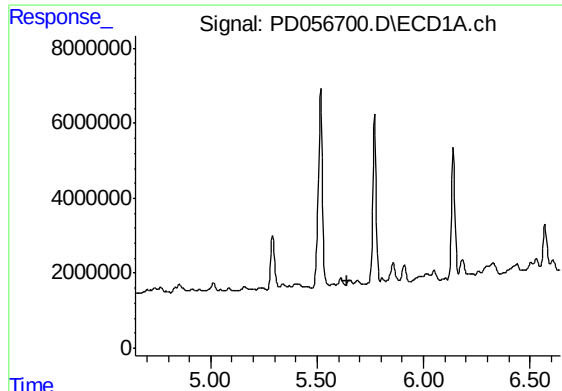
#22 Toxaphene-1

R.T.: 5.517 min  
Delta R.T.: 0.028 min  
Response: 68625546  
Conc: 7616.74 ng/ml



#22 Toxaphene-1

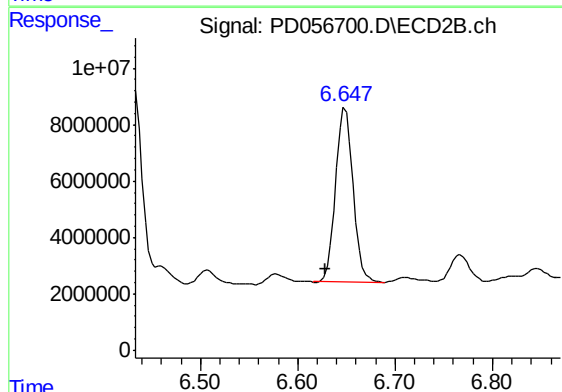
R.T.: 6.358 min  
Delta R.T.: 0.019 min  
Response: 1545005  
Conc: 137.62 ng/ml



#23 Toxaphene-2

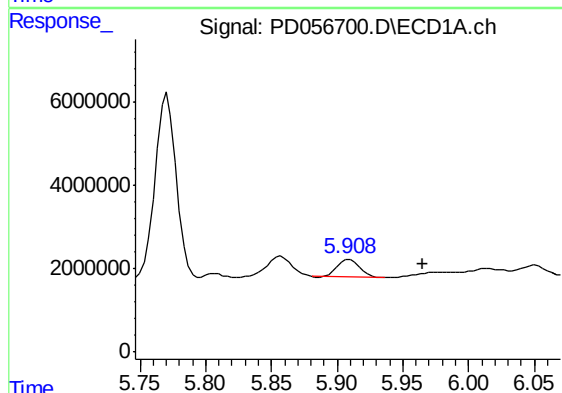
R.T.: 0.000 min  
Exp R.T.: 5.644 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
C0C93MSD



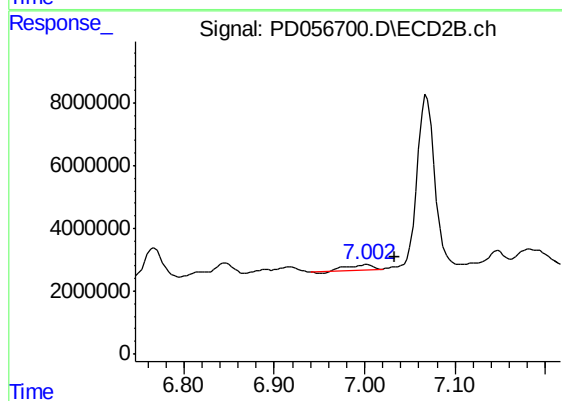
#23 Toxaphene-2

R.T.: 6.649 min  
Delta R.T.: 0.021 min  
Response: 78137374  
Conc: 5661.98 ng/ml



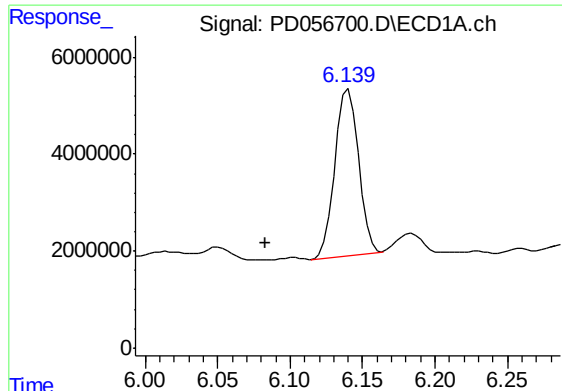
#24 Toxaphene-3

R.T.: 5.910 min  
Delta R.T.: -0.055 min  
Response: 4881088  
Conc: 589.85 ng/ml



#24 Toxaphene-3

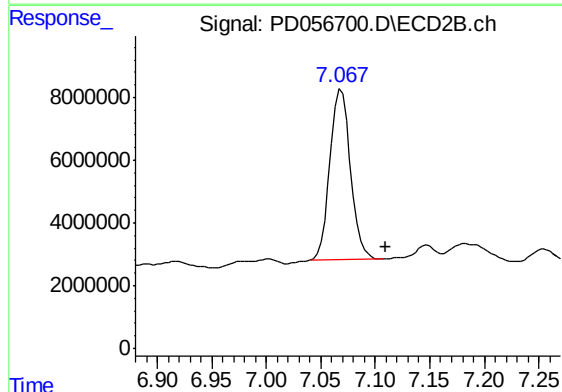
R.T.: 7.003 min  
Delta R.T.: -0.030 min  
Response: 2971511  
Conc: 151.06 ng/ml



#25 Toxaphene-4

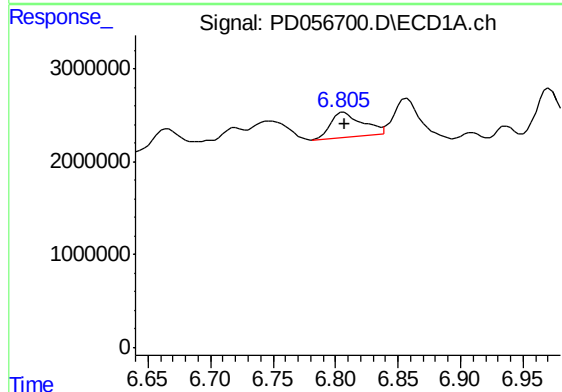
R.T.: 6.140 min  
Delta R.T.: 0.058 min  
Response: 38840848  
Conc: 1567.72 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C0C93MSD



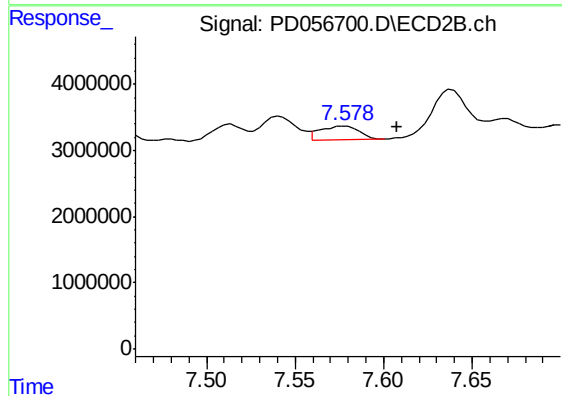
#25 Toxaphene-4

R.T.: 7.069 min  
Delta R.T.: -0.041 min  
Response: 71719842  
Conc: 1298.91 ng/ml



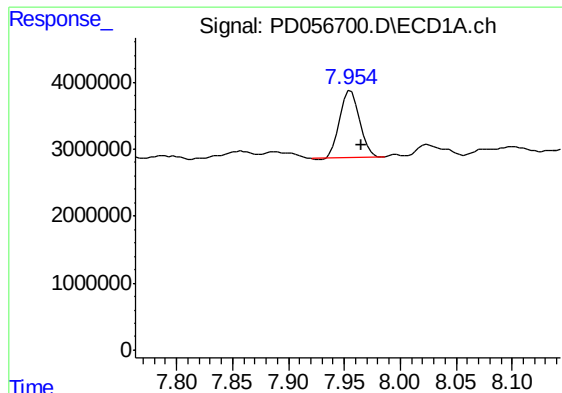
#26 Toxaphene-5

R.T.: 6.806 min  
Delta R.T.: -0.001 min  
Response: 4643665  
Conc: 153.87 ng/ml



#26 Toxaphene-5

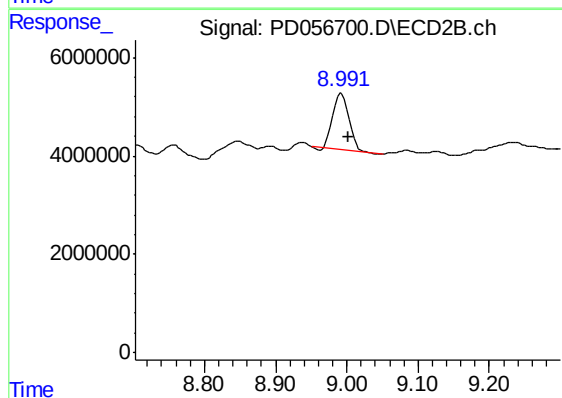
R.T.: 7.579 min  
Delta R.T.: -0.028 min  
Response: 3145171  
Conc: 123.06 ng/ml



#27 Decachlorobiphenyl

R.T.: 7.956 min  
Delta R.T.: -0.010 min  
Response: 12138753  
Conc: 13.44 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C0C93MSD



#27 Decachlorobiphenyl

R.T.: 8.992 min  
Delta R.T.: -0.010 min  
Response: 17712872  
Conc: 14.72 ng/ml