

Data Path : P:\HPCHEM1\ECD\_D\Data\PD041118\  
 Data File : PD047016.D  
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
 Acq On : 11 Apr 2018 20:36  
 Operator : UA/AJ  
 Sample :  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 I.BLK

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 12 01:41:40 2018  
 Quant Method : P:\HPCHEM1\ECD\_D\Method\PD040718.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Apr 07 04:44:10 2018  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x 0.2 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... | 3.430 | 4.042 | 72951521 | 1135.9E6 | 57.808   | 53.162     |
| 2)                          | SA Decachlor... | 8.152 | 9.120 | 65305616 | 753.3E6  | 48.543   | 41.870     |
| Target Compounds            |                 |       |       |          |          |          |            |
| 2)                          | A alpha-BHC     | 3.867 | 4.427 | 121.8E6  | 1777.5E6 | 59.257   | 53.378     |
| 3)                          | MA gamma-BHC... | 4.147 | 4.712 | 108.5E6  | 1558.6E6 | 58.423   | 53.134     |
| 4)                          | MA Heptachlor   | 4.440 | 5.231 | 103.1E6  | 1496.7E6 | 57.103   | 50.968     |
| 5)                          | MB Aldrin       | 4.685 | 5.538 | 101.8E6  | 1388.9E6 | 57.136   | 49.897     |
| 6)                          | B beta-BHC      | 4.395 | 4.871 | 44478126 | 673.4E6  | 55.574   | 50.261     |
| 7)                          | B delta-BHC     | 4.597 | 5.090 | 108.0E6  | 1559.7E6 | 56.246   | 50.982     |
| 8)                          | B Heptachlo...  | 5.126 | 5.920 | 91997953 | 1307.9E6 | 55.457   | 50.913     |
| 9)                          | A Endosulfan I  | 5.462 | 6.276 | 83293576 | 1063.5E6 | 54.719   | 46.557     |
| 10)                         | B gamma-Chl...  | 5.350 | 6.153 | 92304762 | 1225.0E6 | 55.476   | 47.435     |
| 11)                         | B alpha-Chl...  | 5.408 | 6.228 | 88846143 | 1170.8E6 | 54.856   | 47.164     |
| 12)                         | B 4,4'-DDE      | 5.574 | 6.379 | 92711657 | 1135.2E6 | 55.554   | 46.151     |
| 13)                         | MA Dieldrin     | 5.703 | 6.532 | 94772090 | 1161.7E6 | 54.512   | 46.957     |
| 14)                         | MA Endrin       | 5.960 | 6.749 | 84246561 | 951.7E6  | 55.846   | 49.853     |
| 15)                         | B Endosulfa...  | 6.232 | 6.950 | 79370059 | 973.8E6  | 51.838   | 45.942     |
| 16)                         | A 4,4'-DDD      | 6.088 | 6.863 | 80009045 | 1044.1E6 | 57.855   | 52.288     |
| 17)                         | MA 4,4'-DDT     | 6.326 | 7.164 | 61457005 | 716.2E6  | 45.034   | 38.798     |
| 18)                         | B Endrin al...  | 6.401 | 7.073 | 63593387 | 790.6E6  | 51.762   | 44.521     |
| 19)                         | B Endosulfa...  | 6.613 | 7.295 | 69956279 | 878.2E6  | 51.528   | 43.527     |
| 20)                         | A Methoxychlor  | 6.875 | 7.616 | 34230553 | 364.4E6  | 46.507   | 37.670     |
| 21)                         | B Endrin ke...  | 7.103 | 7.764 | 84026812 | 866.1E6  | 49.722   | 44.799     |
| 23)                         | Chlordane-1     | 4.359 | 5.090 | 1328955  | 1559.7E6 | 21.588   | 1344.899 # |
| 24)                         | Chlordane-2     | 0.000 | 5.538 | 0        | 1388.9E6 | N.D.     | 1260.035 # |
| 25)                         | Chlordane-3     | 5.350 | 6.153 | 92304762 | 1225.0E6 | 490.995  | 348.367 #  |
| 26)                         | Chlordane-4     | 5.408 | 6.228 | 88846143 | 1170.8E6 | 535.948  | 290.895 #  |
| 27)                         | Chlordane-5     | 6.232 | 7.073 | 79370059 | 790.6E6  | 1301.199 | 926.008 #  |
| -----                       |                 |       |       |          |          |          |            |

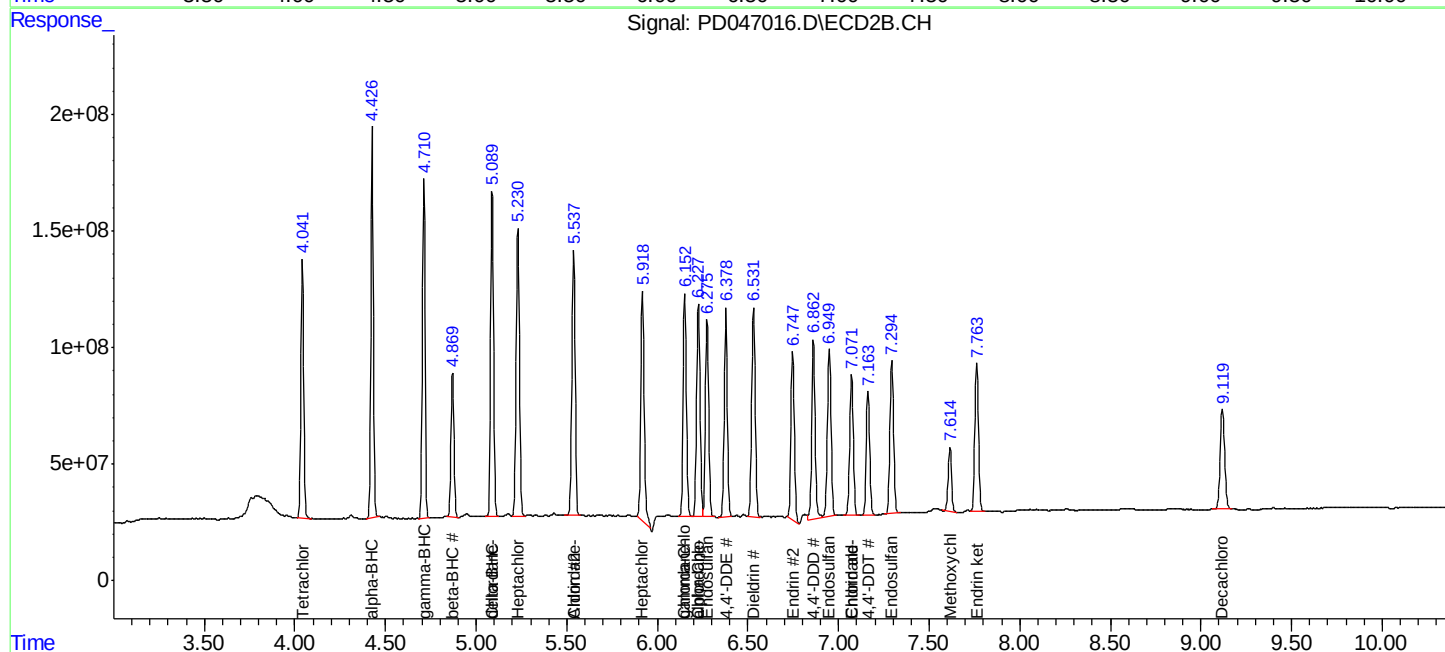
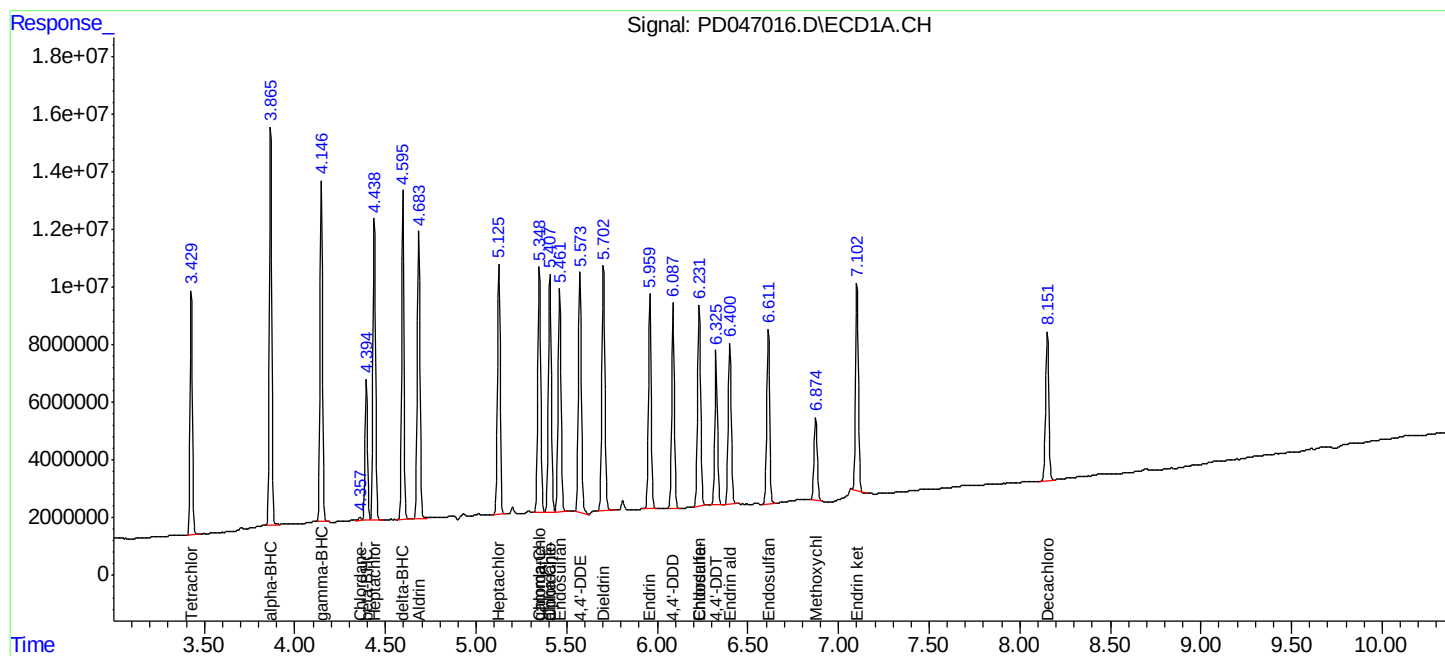
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

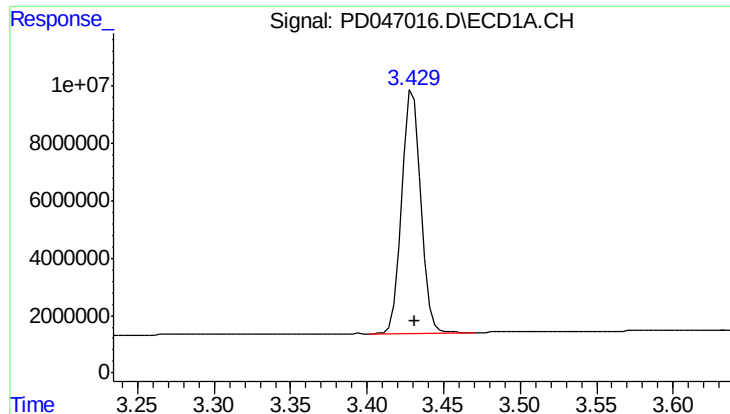
Data Path : P:\HPCHEM1\ECD\_D\Data\PD041118\  
Data File : PD047016.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 11 Apr 2018 20:36  
Operator : UA/AJ  
Sample :  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 12 01:41:40 2018  
Quant Method : P:\HPCHEM1\ECD\_D\Method\PD040718.M  
Quant Title : GC Extractables  
QLast Update : Sat Apr 07 04:44:10 2018  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2 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

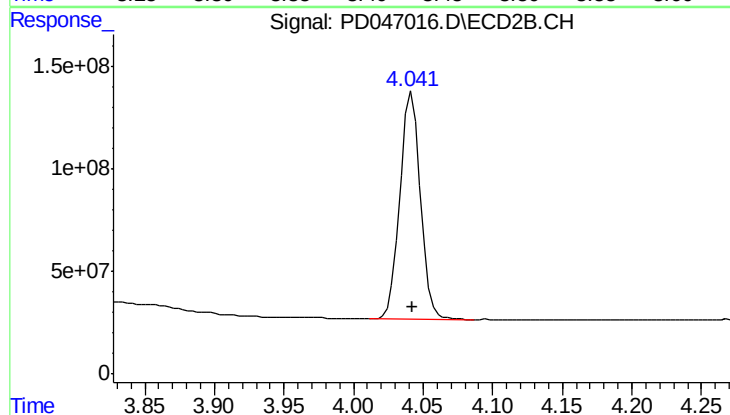




#1 Tetrachloro-m-xylene

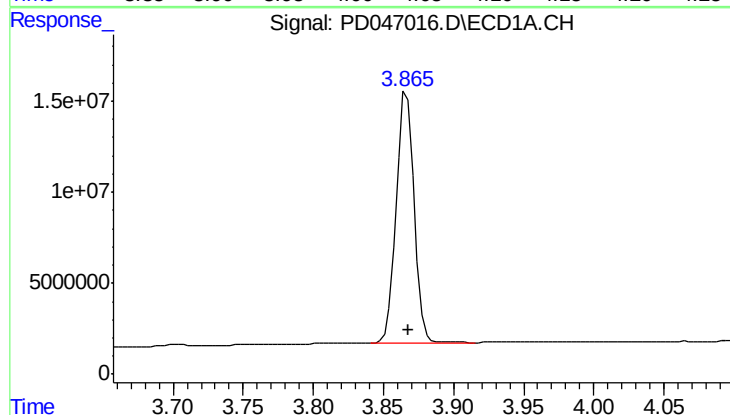
R.T.: 3.430 min  
Delta R.T.: -0.001 min  
Response: 72951521  
Conc: 57.81 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



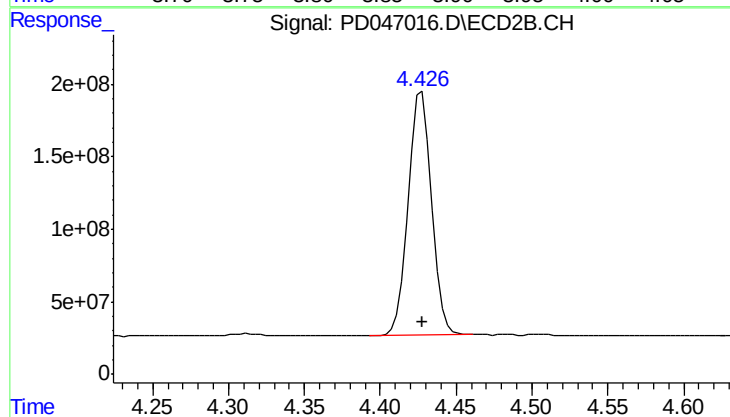
#1 Tetrachloro-m-xylene

R.T.: 4.042 min  
Delta R.T.: 0.000 min  
Response: 1135893525  
Conc: 53.16 ng/ml



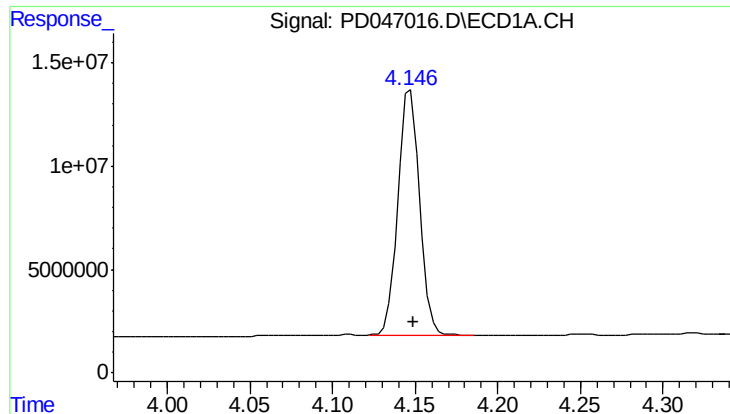
#2 alpha-BHC

R.T.: 3.867 min  
Delta R.T.: -0.001 min  
Response: 121783649  
Conc: 59.26 ng/ml



#2 alpha-BHC

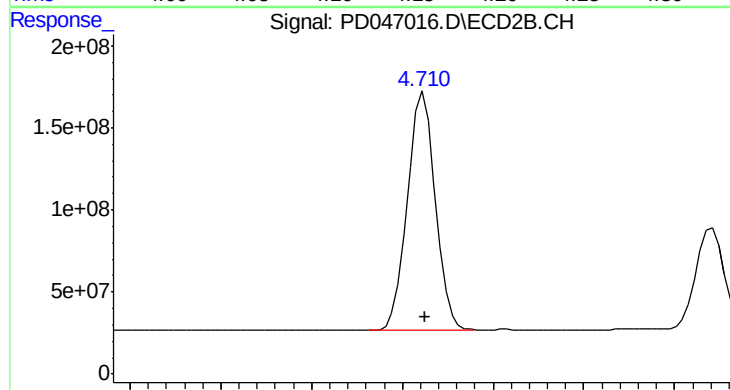
R.T.: 4.427 min  
Delta R.T.: 0.000 min  
Response: 1777493729  
Conc: 53.38 ng/ml



#3 gamma-BHC (Lindane)

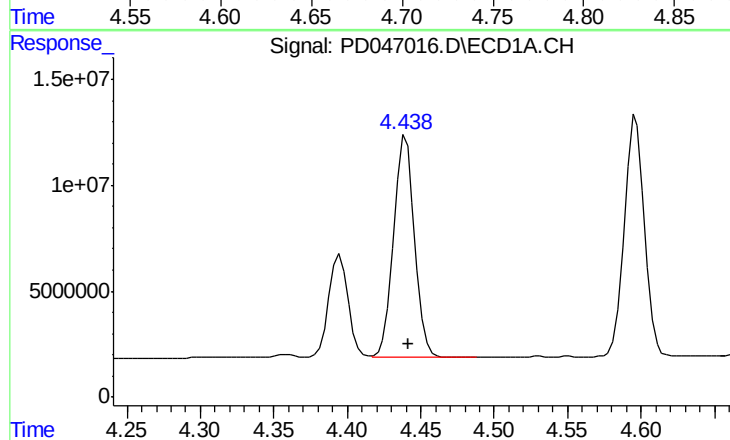
R.T.: 4.147 min  
Delta R.T.: -0.001 min  
Response: 108458022  
Conc: 58.42 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



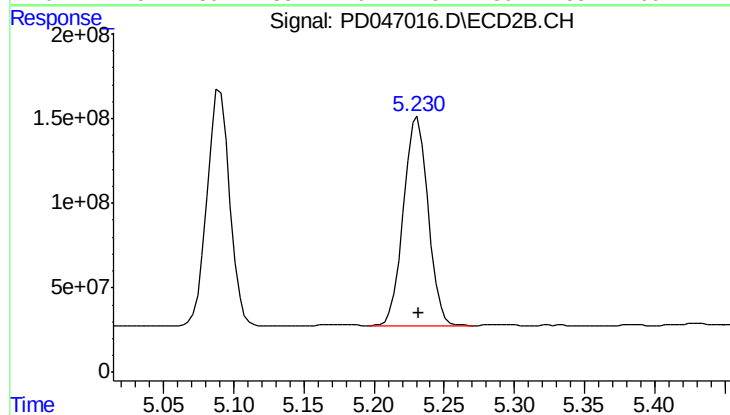
#3 gamma-BHC (Lindane)

R.T.: 4.712 min  
Delta R.T.: 0.000 min  
Response: 1558613277  
Conc: 53.13 ng/ml



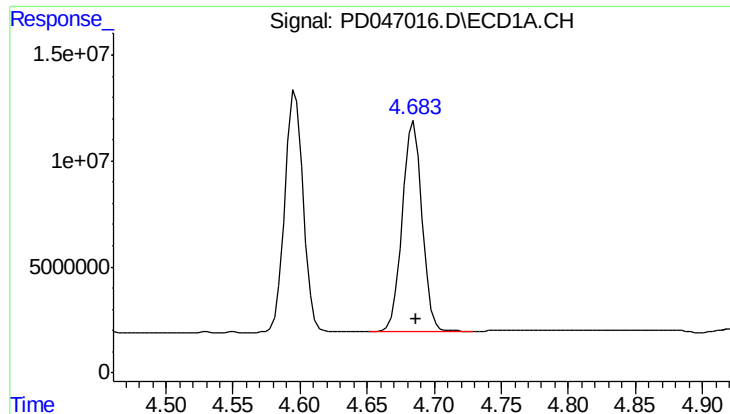
#4 Heptachlor

R.T.: 4.440 min  
Delta R.T.: -0.002 min  
Response: 103121585  
Conc: 57.10 ng/ml



#4 Heptachlor

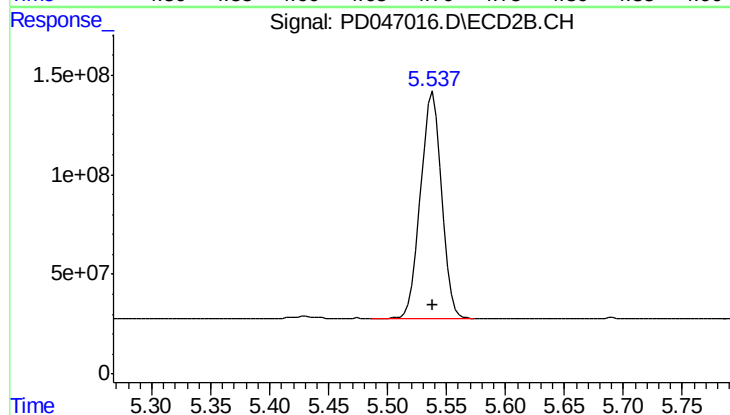
R.T.: 5.231 min  
Delta R.T.: 0.000 min  
Response: 1496738020  
Conc: 50.97 ng/ml



#5 Aldrin

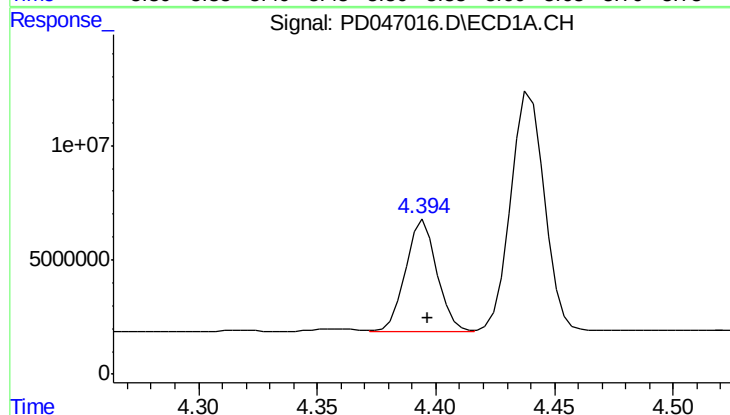
R.T.: 4.685 min  
Delta R.T.: -0.002 min  
Response: 101808250  
Conc: 57.14 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



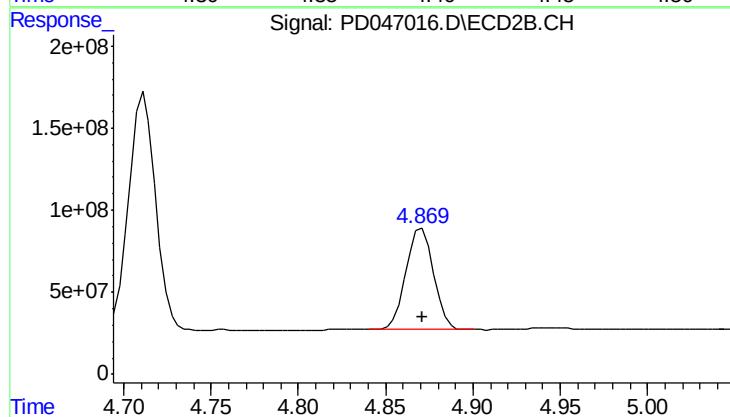
#5 Aldrin

R.T.: 5.538 min  
Delta R.T.: 0.000 min  
Response: 1388874503  
Conc: 49.90 ng/ml



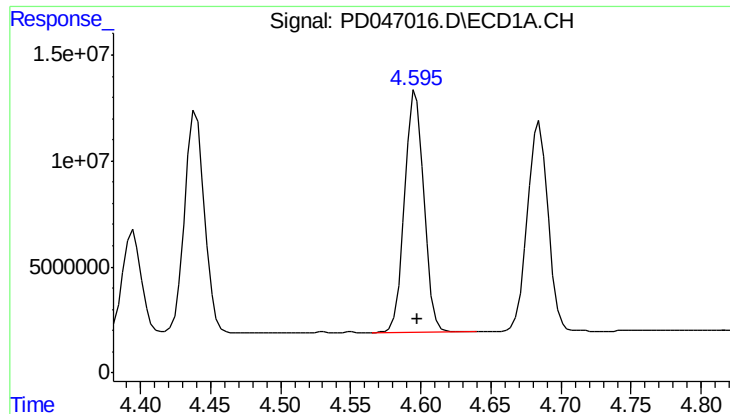
#6 beta-BHC

R.T.: 4.395 min  
Delta R.T.: -0.001 min  
Response: 44478126  
Conc: 55.57 ng/ml



#6 beta-BHC

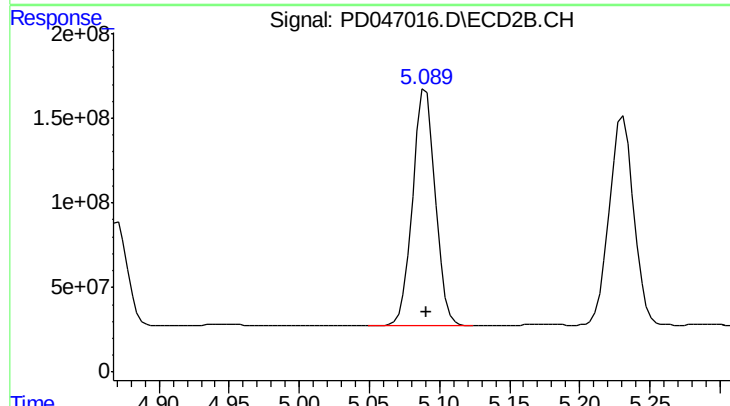
R.T.: 4.871 min  
Delta R.T.: 0.000 min  
Response: 673371002  
Conc: 50.26 ng/ml



#7 delta-BHC

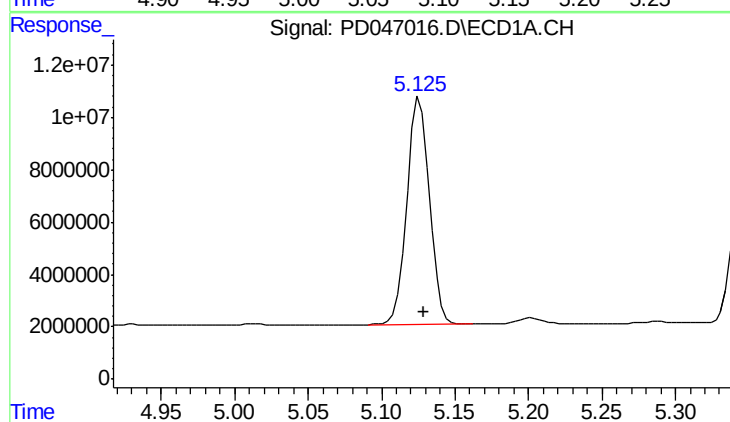
R.T.: 4.597 min  
Delta R.T.: -0.001 min  
Response: 108015027  
Conc: 56.25 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



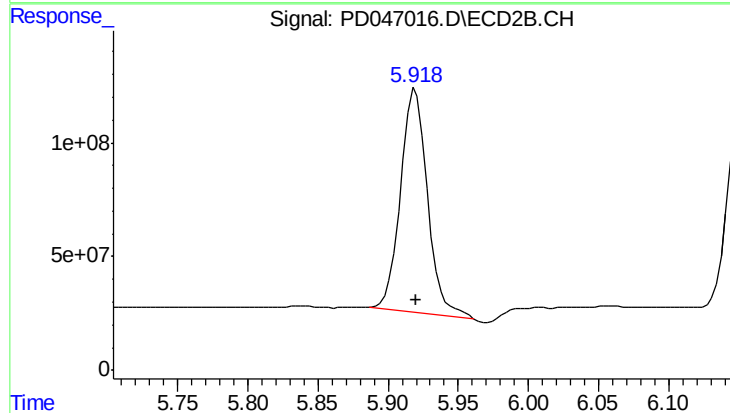
#7 delta-BHC

R.T.: 5.090 min  
Delta R.T.: 0.000 min  
Response: 1559741964  
Conc: 50.98 ng/ml



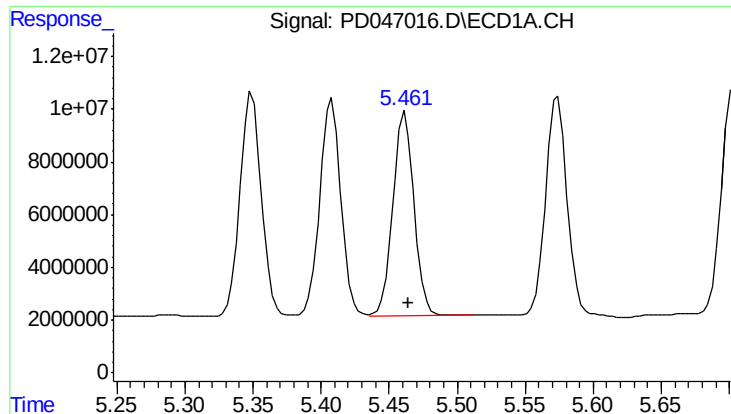
#8 Heptachlor epoxide

R.T.: 5.126 min  
Delta R.T.: -0.002 min  
Response: 91997953  
Conc: 55.46 ng/ml



#8 Heptachlor epoxide

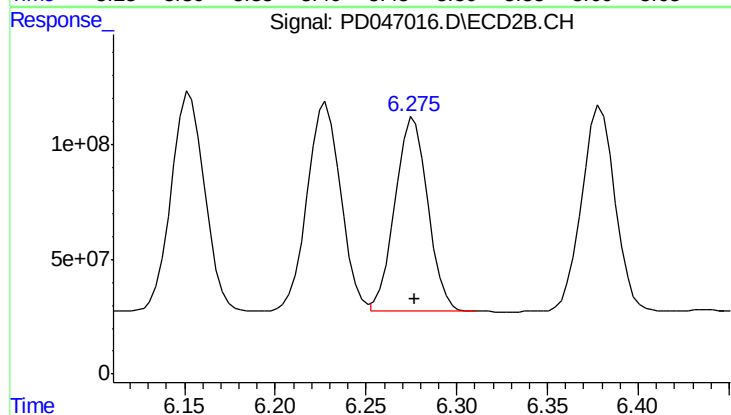
R.T.: 5.920 min  
Delta R.T.: 0.000 min  
Response: 1307931240  
Conc: 50.91 ng/ml



#9 Endosulfan I

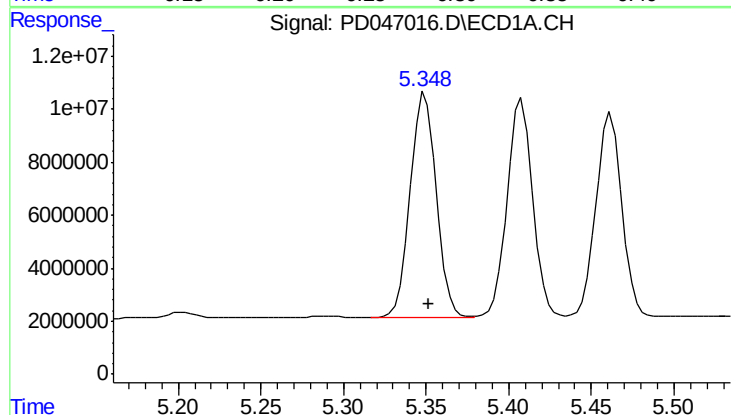
R.T.: 5.462 min  
Delta R.T.: -0.002 min  
Response: 83293576  
Conc: 54.72 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



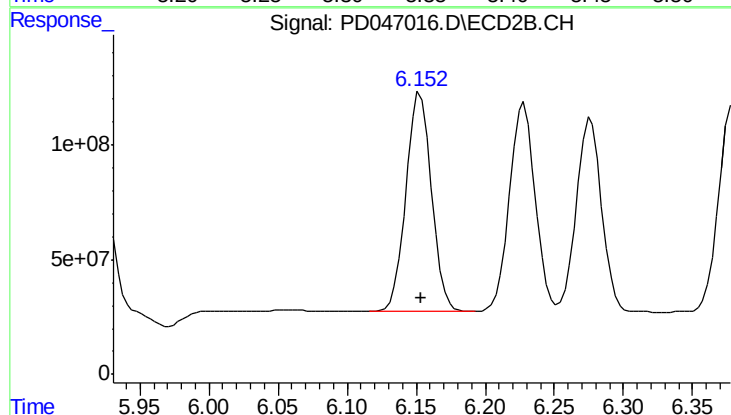
#9 Endosulfan I

R.T.: 6.276 min  
Delta R.T.: 0.000 min  
Response: 1063474092  
Conc: 46.56 ng/ml



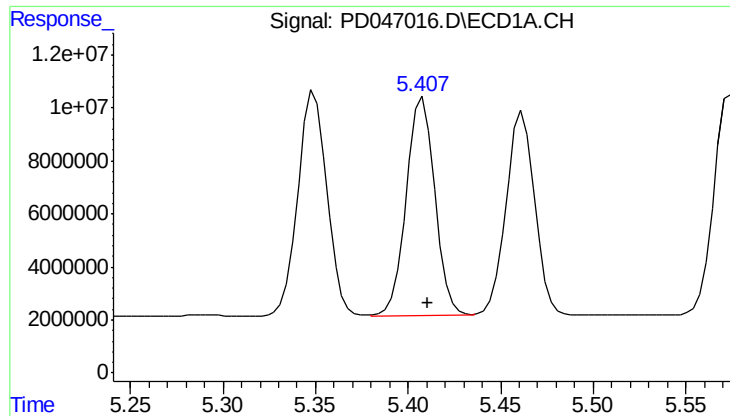
#10 gamma-Chlordane

R.T.: 5.350 min  
Delta R.T.: -0.002 min  
Response: 92304762  
Conc: 55.48 ng/ml



#10 gamma-Chlordane

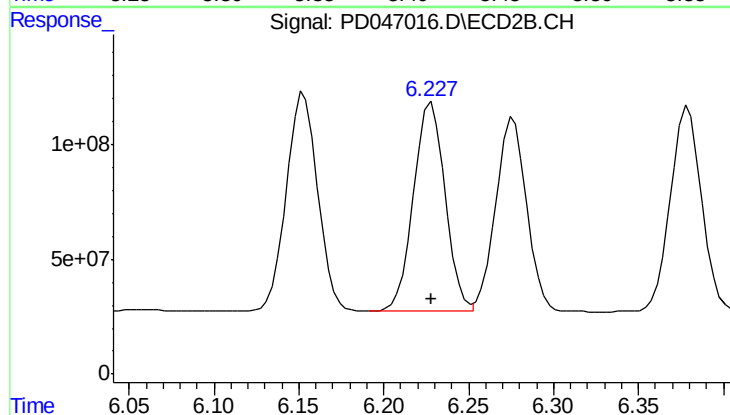
R.T.: 6.153 min  
Delta R.T.: 0.000 min  
Response: 1224953778  
Conc: 47.43 ng/ml



#11 alpha-Chlordane

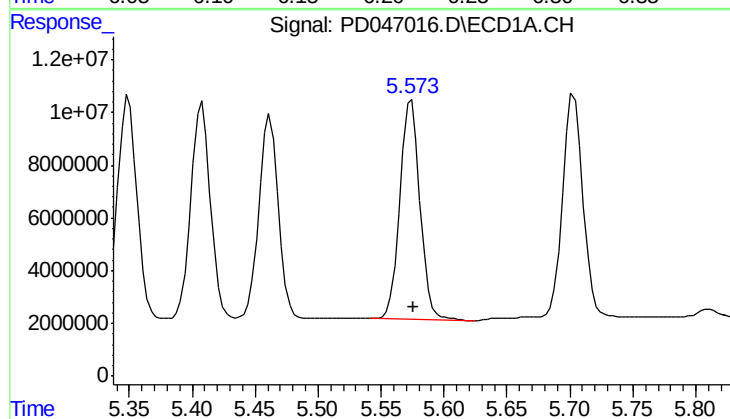
R.T.: 5.408 min  
Delta R.T.: -0.002 min  
Response: 88846143  
Conc: 54.86 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



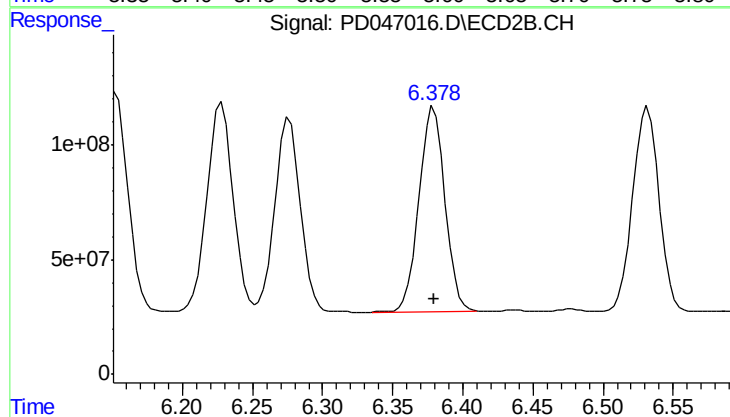
#11 alpha-Chlordane

R.T.: 6.228 min  
Delta R.T.: 0.000 min  
Response: 1170800435  
Conc: 47.16 ng/ml



#12 4,4'-DDE

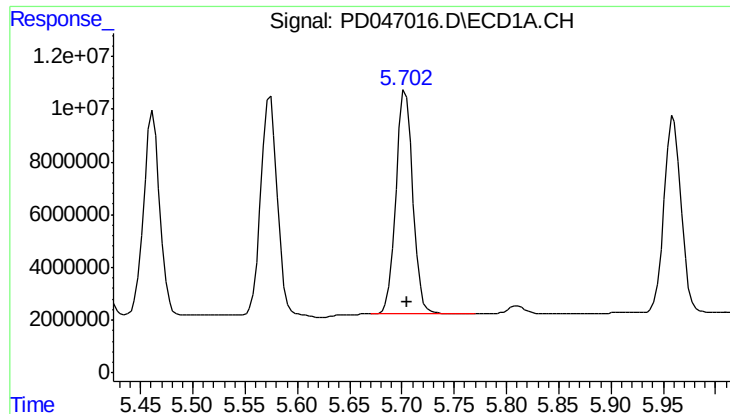
R.T.: 5.574 min  
Delta R.T.: -0.002 min  
Response: 92711657  
Conc: 55.55 ng/ml



#12 4,4'-DDE

R.T.: 6.379 min  
Delta R.T.: 0.000 min  
Response: 1135233543  
Conc: 46.15 ng/ml

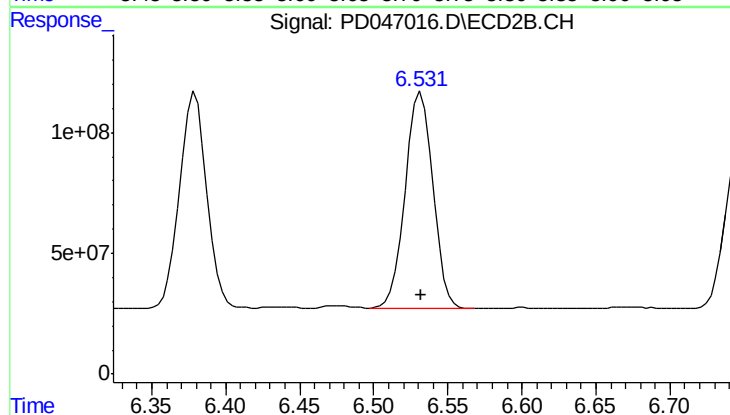




#13 Dielddrin

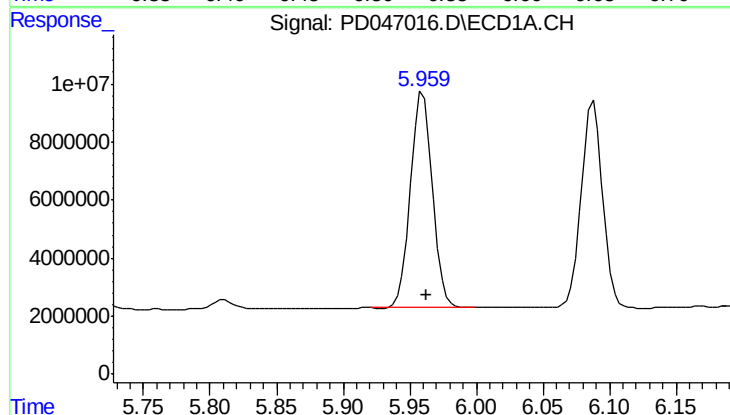
R.T.: 5.703 min  
Delta R.T.: -0.002 min  
Response: 94772090  
Conc: 54.51 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



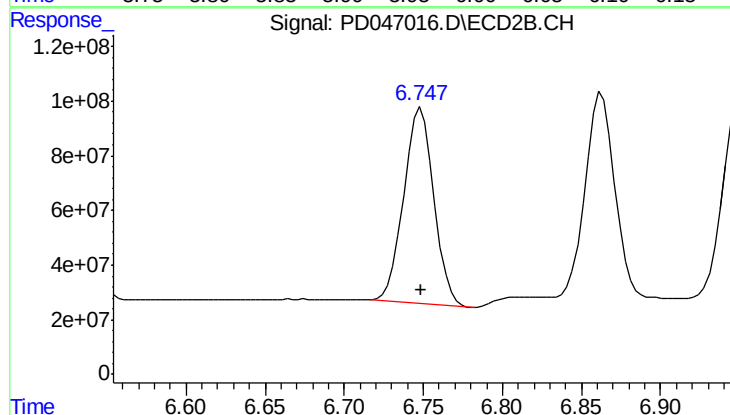
#13 Dielddrin

R.T.: 6.532 min  
Delta R.T.: 0.000 min  
Response: 1161659851  
Conc: 46.96 ng/ml



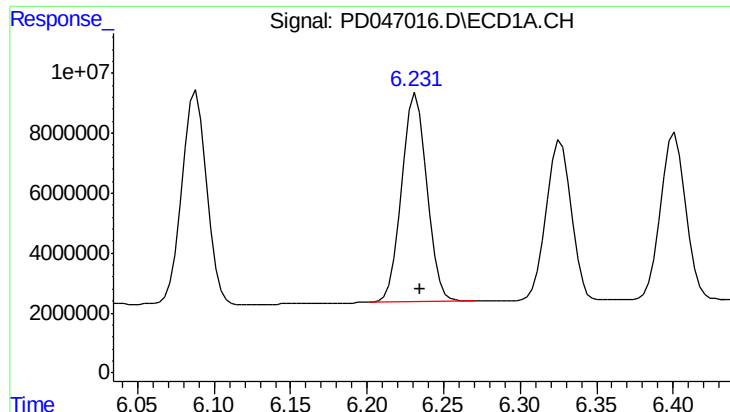
#14 Endrin

R.T.: 5.960 min  
Delta R.T.: -0.003 min  
Response: 84246561  
Conc: 55.85 ng/ml



#14 Endrin

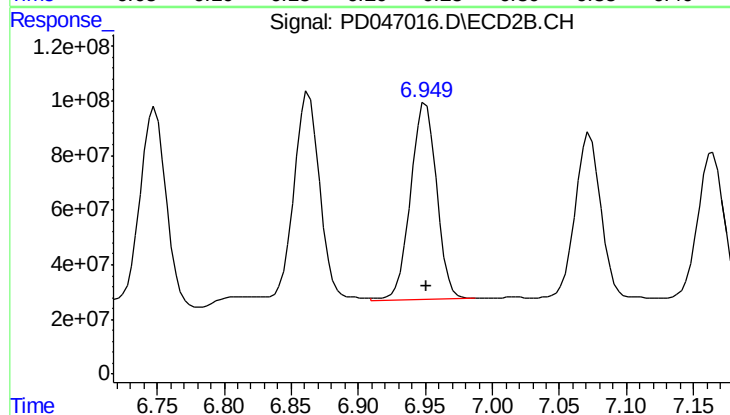
R.T.: 6.749 min  
Delta R.T.: 0.000 min  
Response: 951738352  
Conc: 49.85 ng/ml



#15 Endosulfan II

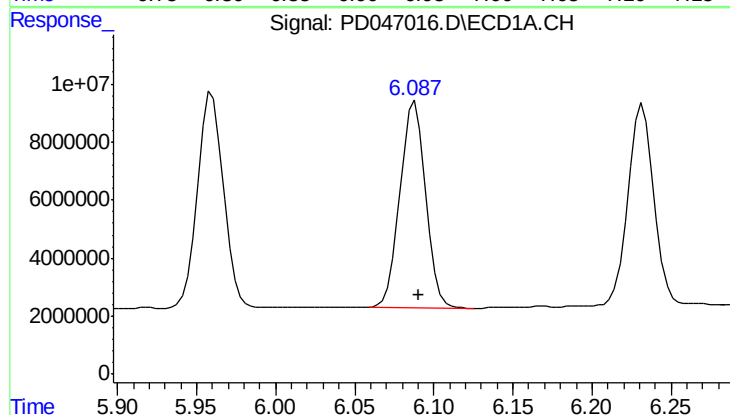
R.T.: 6.232 min  
Delta R.T.: -0.003 min  
Response: 79370059  
Conc: 51.84 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



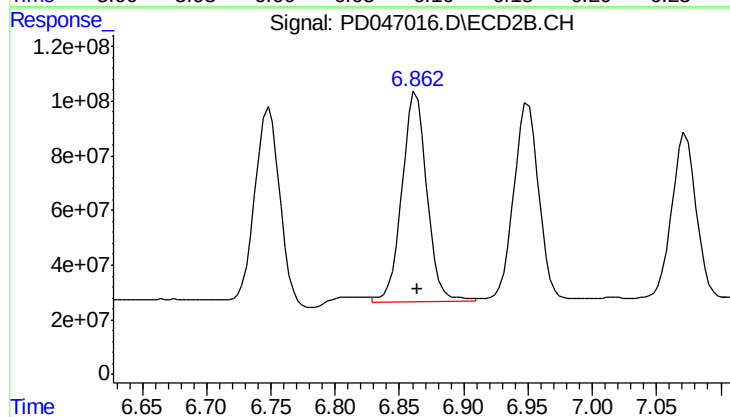
#15 Endosulfan II

R.T.: 6.950 min  
Delta R.T.: 0.000 min  
Response: 973820081  
Conc: 45.94 ng/ml



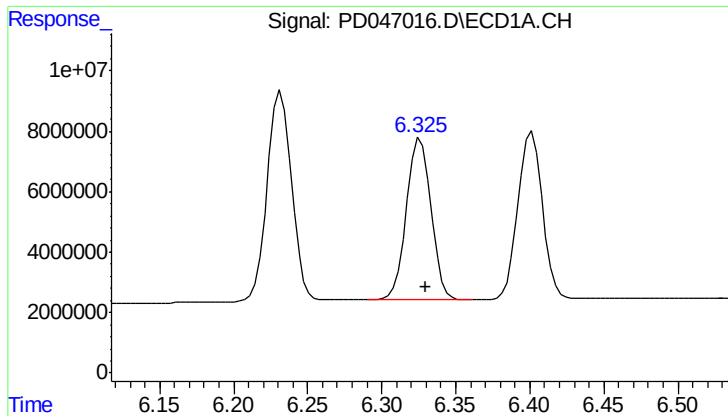
#16 4,4'-DDD

R.T.: 6.088 min  
Delta R.T.: -0.002 min  
Response: 80009045  
Conc: 57.86 ng/ml



#16 4,4'-DDD

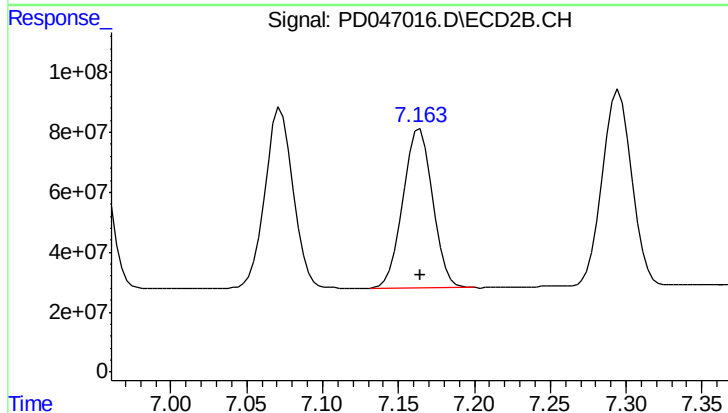
R.T.: 6.863 min  
Delta R.T.: 0.000 min  
Response: 1044056903  
Conc: 52.29 ng/ml



#17 4,4'-DDT

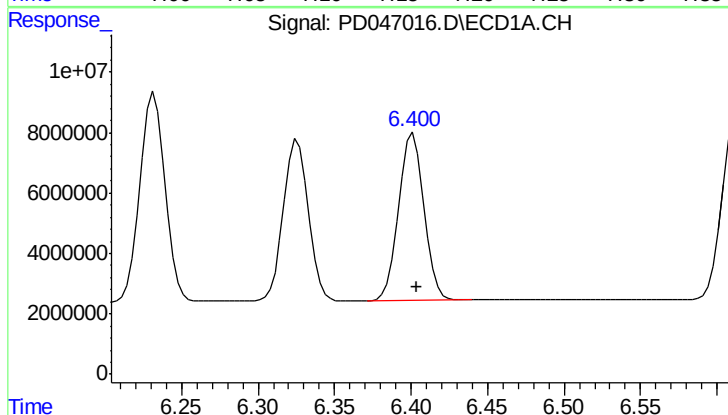
R.T.: 6.326 min  
Delta R.T.: -0.003 min  
Response: 61457005  
Conc: 45.03 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



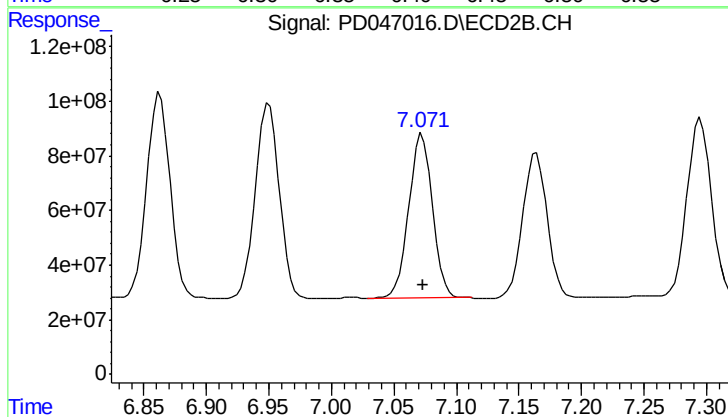
#17 4,4'-DDT

R.T.: 7.164 min  
Delta R.T.: 0.000 min  
Response: 716228012  
Conc: 38.80 ng/ml



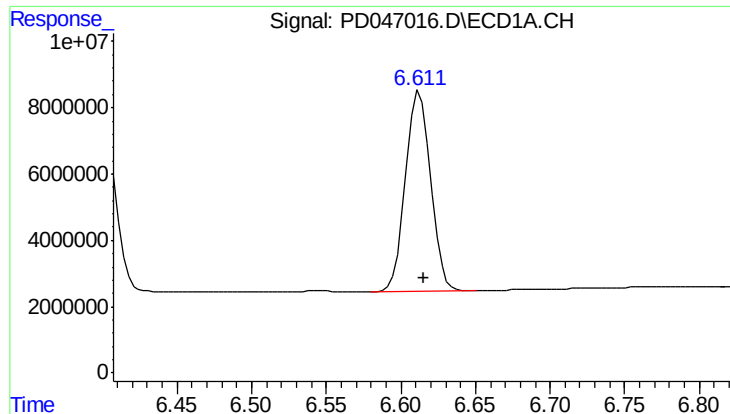
#18 Endrin aldehyde

R.T.: 6.401 min  
Delta R.T.: -0.003 min  
Response: 63593387  
Conc: 51.76 ng/ml



#18 Endrin aldehyde

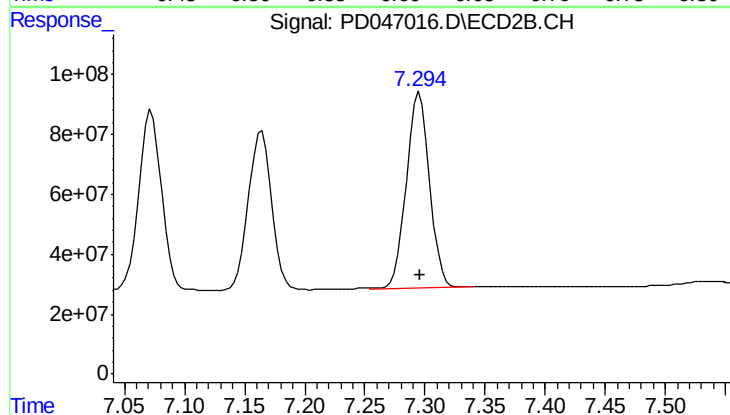
R.T.: 7.073 min  
Delta R.T.: 0.000 min  
Response: 790647783  
Conc: 44.52 ng/ml



#19 Endosulfan Sulfate

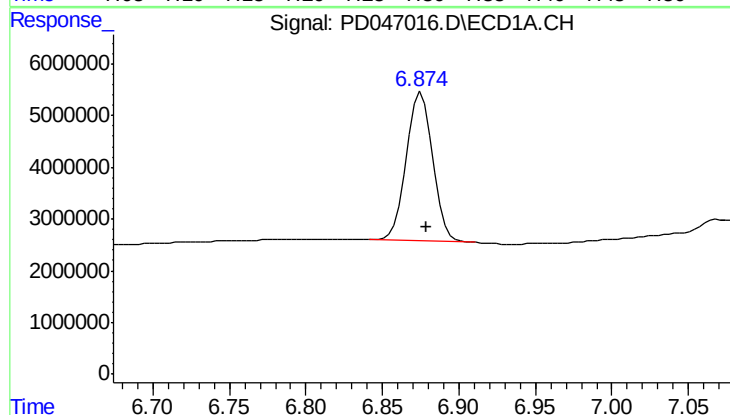
R.T.: 6.613 min  
Delta R.T.: -0.003 min  
Response: 69956279  
Conc: 51.53 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



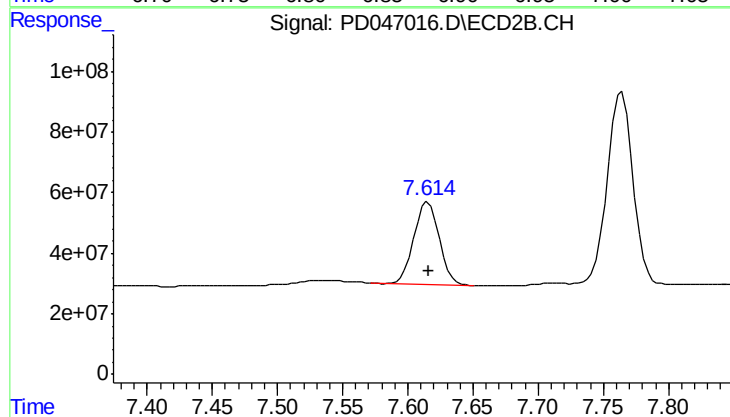
#19 Endosulfan Sulfate

R.T.: 7.295 min  
Delta R.T.: -0.001 min  
Response: 878180073  
Conc: 43.53 ng/ml



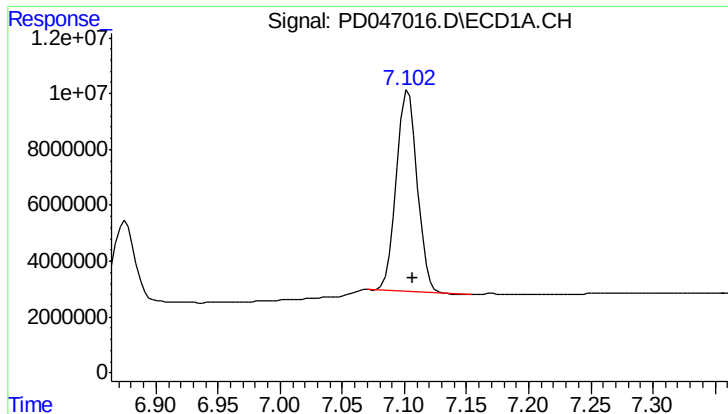
#20 Methoxychlor

R.T.: 6.875 min  
Delta R.T.: -0.004 min  
Response: 34230553  
Conc: 46.51 ng/ml



#20 Methoxychlor

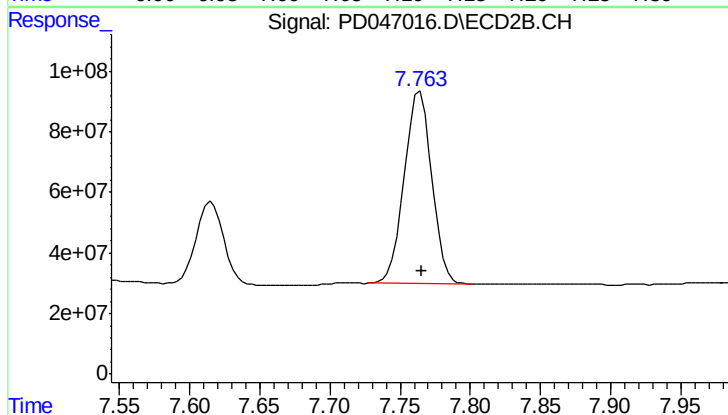
R.T.: 7.616 min  
Delta R.T.: 0.000 min  
Response: 364417703  
Conc: 37.67 ng/ml



#21 Endrin ketone

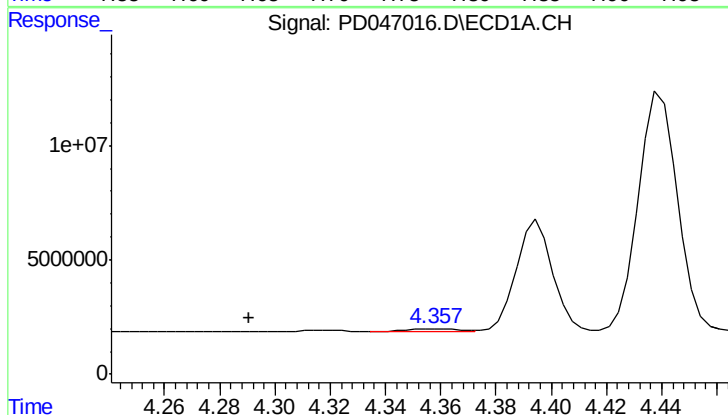
R.T.: 7.103 min  
Delta R.T.: -0.003 min  
Response: 84026812  
Conc: 49.72 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



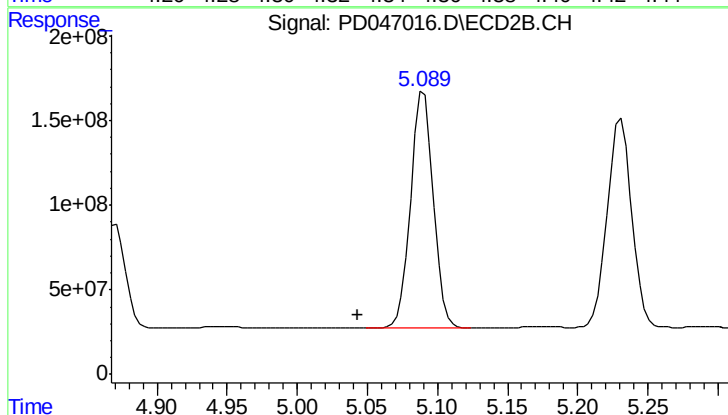
#21 Endrin ketone

R.T.: 7.764 min  
Delta R.T.: -0.001 min  
Response: 866068089  
Conc: 44.80 ng/ml



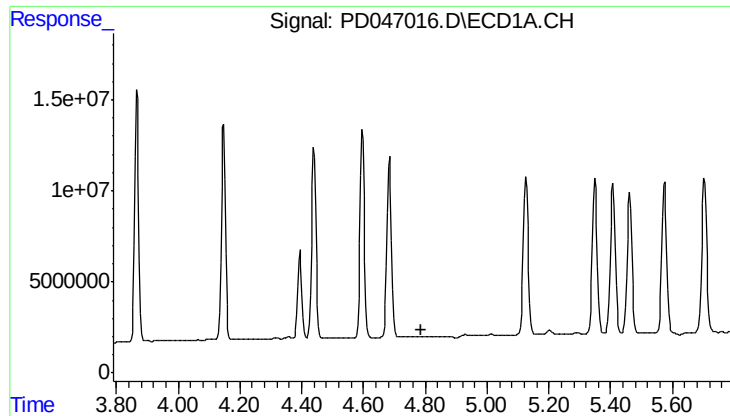
#23 Chlordane-1

R.T.: 4.359 min  
Delta R.T.: 0.008 min  
Response: 1328955  
Conc: 21.59 ng/ml



#23 Chlordane-1

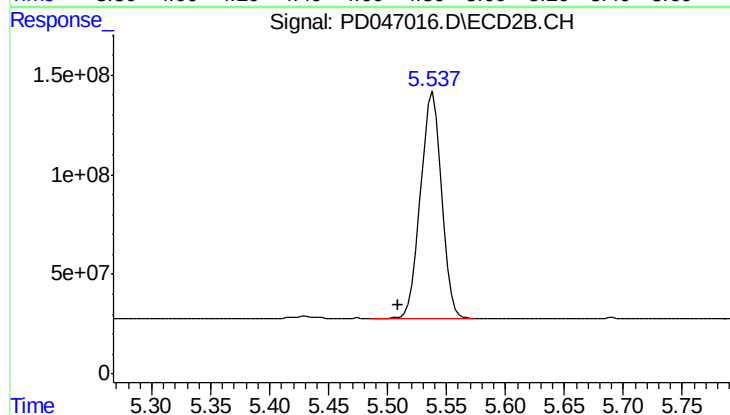
R.T.: 5.090 min  
Delta R.T.: 0.047 min  
Response: 1559741964  
Conc: 1344.90 ng/ml



#24 Chlordane-2

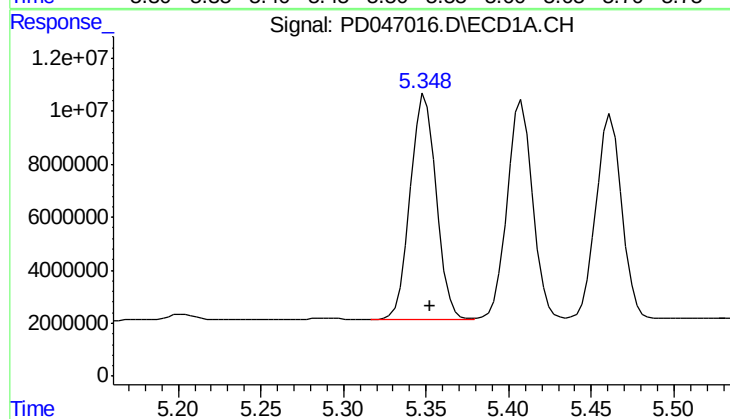
R.T.: 0.000 min  
Exp R.T.: 4.788 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



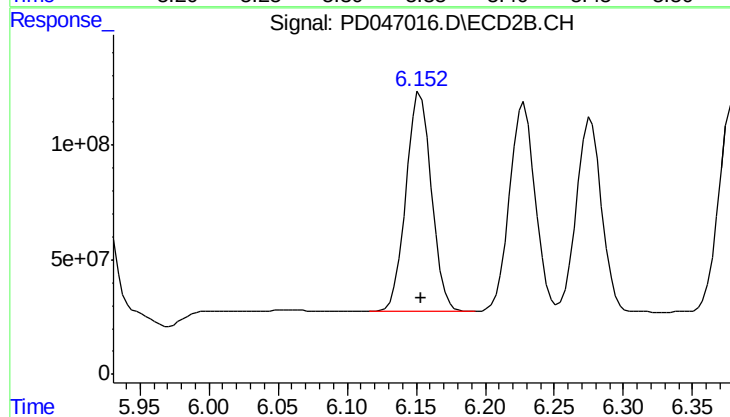
#24 Chlordane-2

R.T.: 5.538 min  
Delta R.T.: 0.029 min  
Response: 1388874503  
Conc: 1260.03 ng/ml



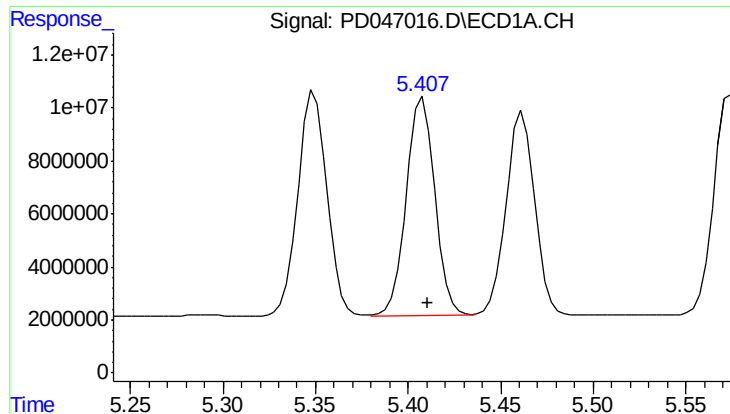
#25 Chlordane-3

R.T.: 5.350 min  
Delta R.T.: -0.003 min  
Response: 92304762  
Conc: 491.00 ng/ml



#25 Chlordane-3

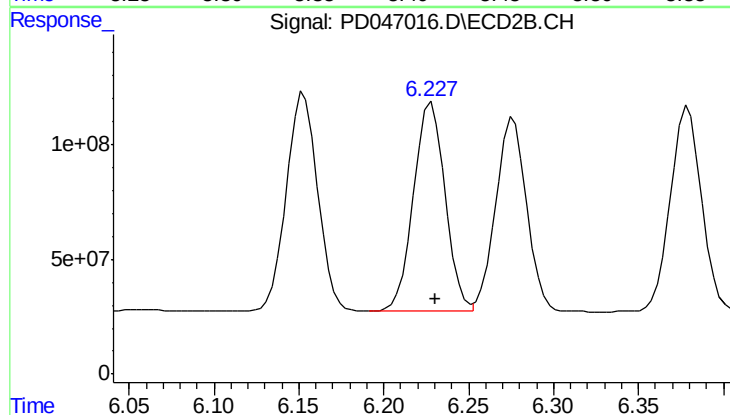
R.T.: 6.153 min  
Delta R.T.: 0.000 min  
Response: 1224953778  
Conc: 348.37 ng/ml



#26 Chlordane-4

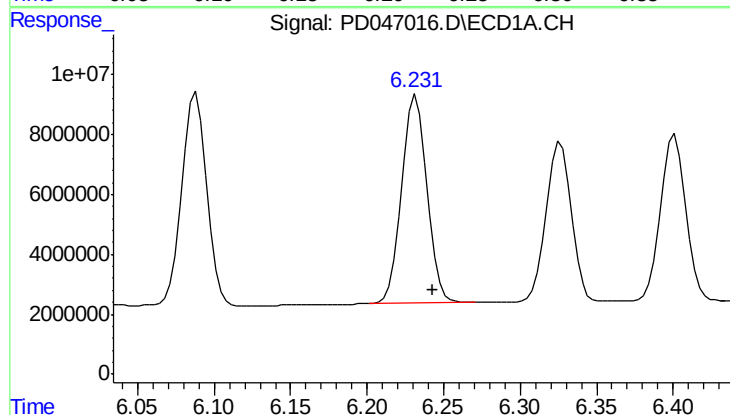
R.T.: 5.408 min  
Delta R.T.: -0.002 min  
Response: 88846143  
Conc: 535.95 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



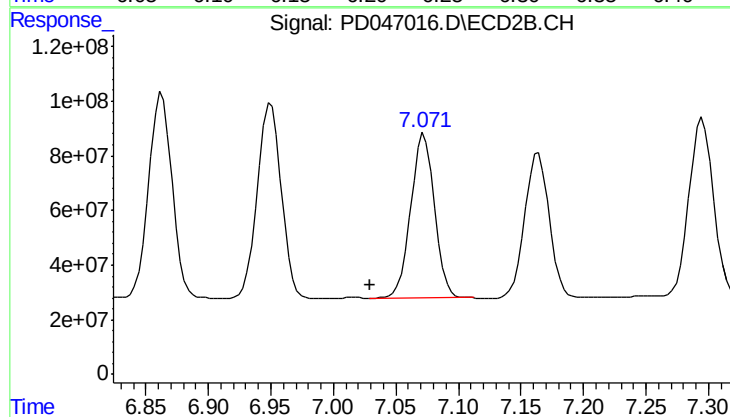
#26 Chlordane-4

R.T.: 6.228 min  
Delta R.T.: -0.002 min  
Response: 1170800435  
Conc: 290.89 ng/ml



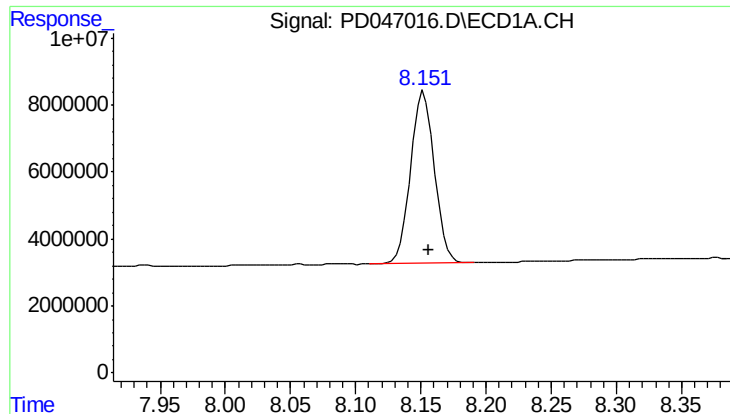
#27 Chlordane-5

R.T.: 6.232 min  
Delta R.T.: -0.011 min  
Response: 79370059  
Conc: 1301.20 ng/ml



#27 Chlordane-5

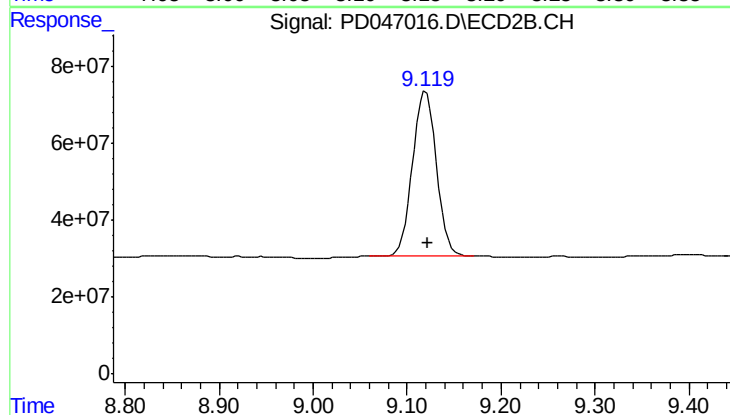
R.T.: 7.073 min  
Delta R.T.: 0.043 min  
Response: 790647783  
Conc: 926.01 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.152 min  
Delta R.T.: -0.004 min  
Response: 65305616  
Conc: 48.54 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
I.BLK



#28 Decachlorobiphenyl

R.T.: 9.120 min  
Delta R.T.: -0.002 min  
Response: 753329038  
Conc: 41.87 ng/ml