

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD070723\  
 Data File : PD076378.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Jul 2023 16:43  
 Operator : AR\AJ  
 Sample : 03519-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 KULLER-COMP

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jul 06 21:43:32 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD070423.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Jul 05 05:21:22 2023  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 2 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1   | RT#2   | Resp#1    | Resp#2    | ng/ml   | ng/ml      |
|-----------------------------|-----------------|--------|--------|-----------|-----------|---------|------------|
| -----                       |                 |        |        |           |           |         |            |
| System Monitoring Compounds |                 |        |        |           |           |         |            |
| 1)                          | SA Tetrachlo... | 3.545  | 2.765  | 50425040  | 35243819  | 15.391  | 22.186 #   |
| 28)                         | SA Decachlor... | 9.085  | 7.909  | 52527177  | 22444979  | 14.773  | 17.834     |
| Target Compounds            |                 |        |        |           |           |         |            |
| 2)                          | A alpha-BHC     | 3.997  | 3.265  | -44591    | 834660    | N.D.    | 0.346      |
| 3)                          | MA gamma-BHC... | 4.339  | 3.602  | 813715    | 740036    | 0.155   | 0.332 #    |
| 4)                          | MA Heptachlor   | 4.951f | 3.937  | -4446300  | 3832978   | N.D.    | 1.687      |
| 5)                          | MB Aldrin       | 5.262  | 4.232f | 266332    | 64911951  | 0.050   | 29.288 #   |
| 7)                          | B delta-BHC     | 4.798f | 4.132  | -2029671  | 4412059   | N.D.    | 2.098      |
| 8)                          | B Heptachlo...  | 5.689  | 4.713  | 289.5E6   | 1806851   | 60.094  | 0.904 #    |
| 9)                          | A Endosulfan I  | 6.066f | 0.000  | 29452350  | 0         | 6.602   | N.D. #     |
| 10)                         | B gamma-Chl...  | 5.974f | 4.947f | 266.2E6   | 198.8E6   | 54.738  | 99.841 #   |
| 11)                         | B alpha-Chl...  | 6.033  | 5.020  | 25417029  | 65920082  | 5.291   | 33.173 #   |
| 12)                         | B 4,4'-DDE      | 6.202  | 5.218  | 273.4E6   | -2717874  | 64.400  | N.D. #     |
| 13)                         | MA Dieldrin     | 6.356  | 5.356  | 25138089  | 280.1E6   | 5.374   | 142.224 #  |
| 14)                         | MA Endrin       | 6.587  | 5.635  | 578.6E6   | -84438070 | 145.337 | N.D. #     |
| 15)                         | B Endosulfa...  | 6.803  | 5.912  | 3650009   | 152.7E6   | 0.983   | 98.394 #   |
| 16)                         | A 4,4'-DDD      | 6.733  | 5.778  | 300.9E6   | 531696    | 89.573  | 0.440 #    |
| 17)                         | MA 4,4'-DDT     | 7.040  | 6.024  | 90062133  | 324.2E6   | 25.615  | 267.889 #  |
| 18)                         | B Endrin al...  | 6.951  | 6.085f | 9032369   | 24931985  | 3.295   | 21.816 #   |
| 19)                         | B Endosulfa...  | 7.152f | 6.324  | 10842123  | 11241233  | 2.934   | 7.398 #    |
| 20)                         | A Methoxychlor  | 7.501  | 6.580f | 1109477   | 8238383   | 0.580   | 12.901 #   |
| 21)                         | B Endrin ke...  | 7.681f | 6.826  | 2326235   | 195558    | 0.557   | 0.112 #    |
| 22)                         | Mirex           | 8.110f | 0.000  | 82590     | 0         | 0.026   | N.D. #     |
| 23)                         | Chlordane-1     | 4.722  | 3.764  | 15314972  | 697371    | 132.057 | 15.759 #   |
| 24)                         | Chlordane-2     | 5.237  | 4.344  | 211336    | 471249    | 1.650   | 9.698 #    |
| 25)                         | Chlordane-3     | 5.974f | 4.947f | 266.2E6   | 198.8E6   | 525.999 | 1416.672 # |
| 26)                         | Chlordane-4     | 6.033  | 5.020  | 25417029  | 65920082  | 41.341  | 468.120 #  |
| 27)                         | Chlordane-5     | 6.915f | 5.912f | -94080760 | 152.7E6   | N.D.    | 3280.935   |
| -----                       |                 |        |        |           |           |         |            |

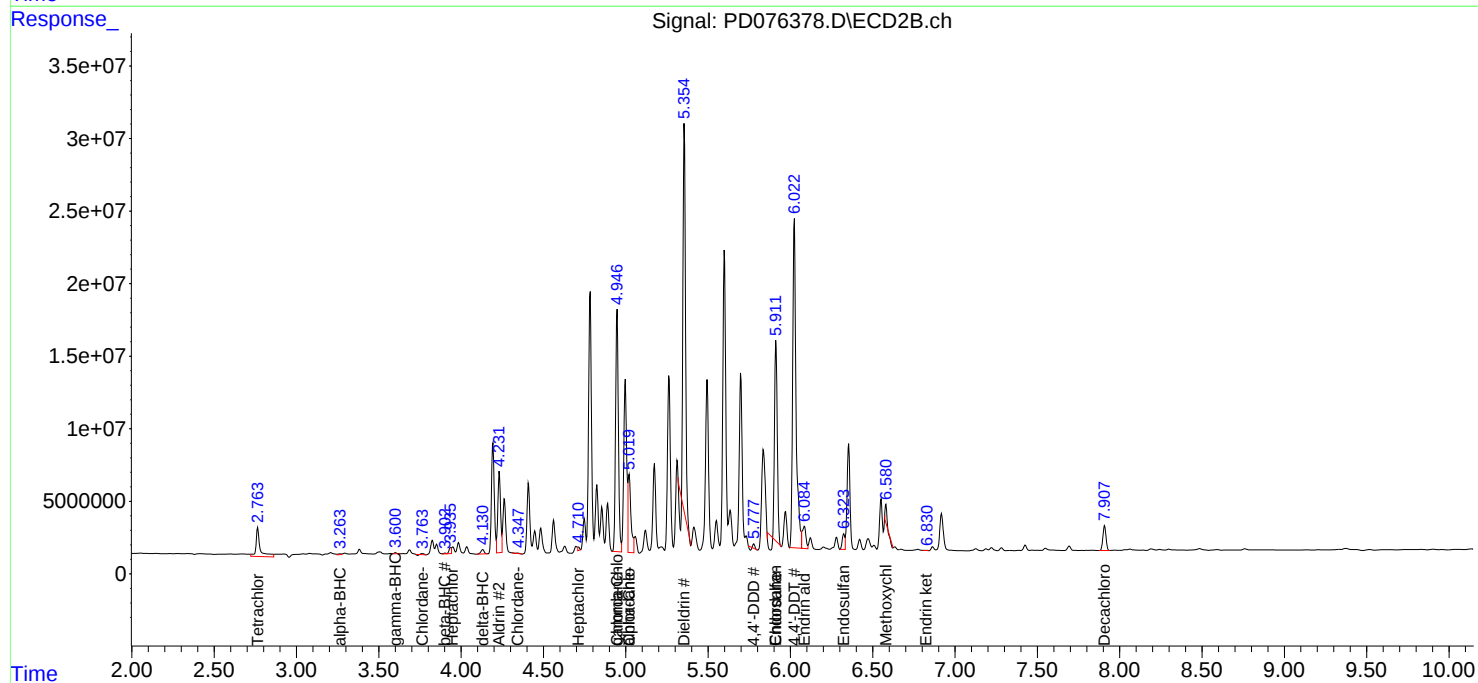
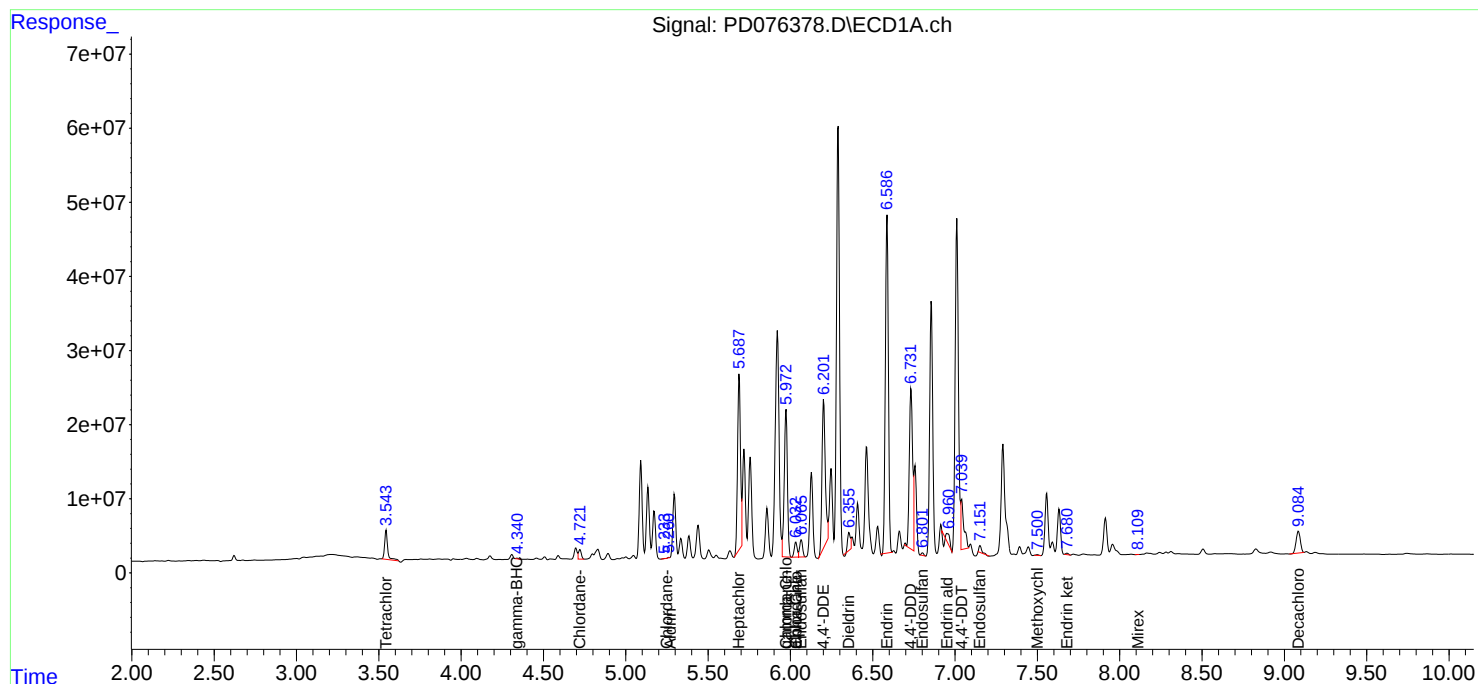
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

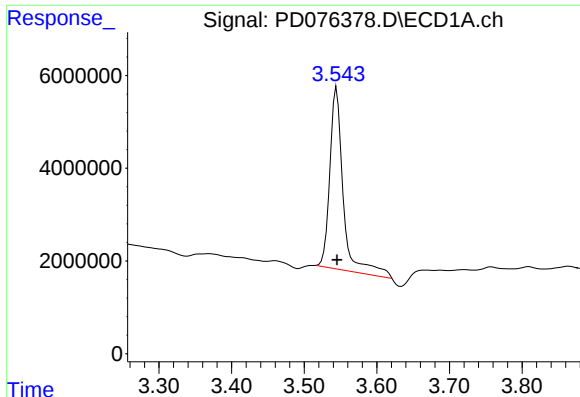
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD070723\  
Data File : PD076378.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Jul 2023 16:43  
Operator : AR\AJ  
Sample : 03519-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
KULLER-COMP

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jul 06 21:43:32 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD070423.M  
Quant Title : GC Extractables  
QLast Update : Wed Jul 05 05:21:22 2023  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 2 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

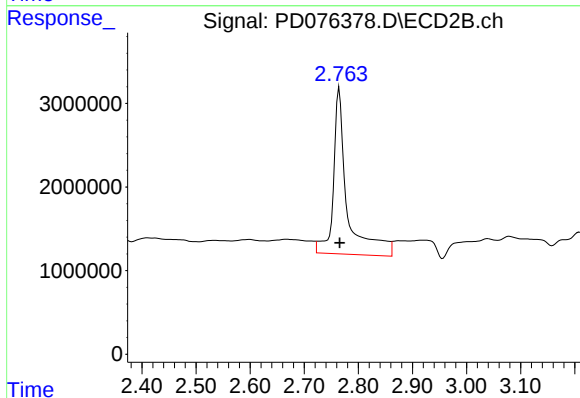




#1 Tetrachloro-m-xylene

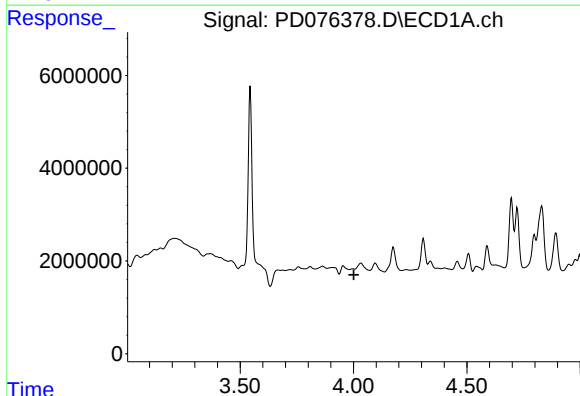
R.T.: 3.545 min  
Delta R.T.: 0.000 min  
Response: 50425040  
Conc: 15.39 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
KULLER-COMP



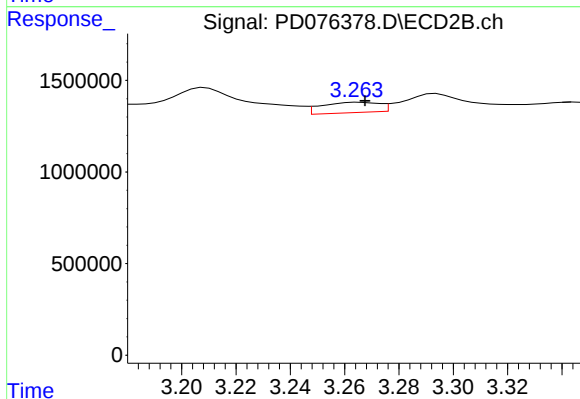
#1 Tetrachloro-m-xylene

R.T.: 2.765 min  
Delta R.T.: 0.000 min  
Response: 35243819  
Conc: 22.19 ng/ml



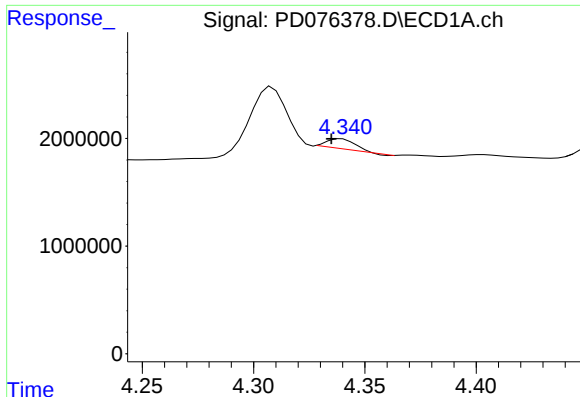
#2 alpha-BHC

R.T.: 3.997 min  
Delta R.T.: -0.005 min  
Response: -44591  
Conc: N.D.



#2 alpha-BHC

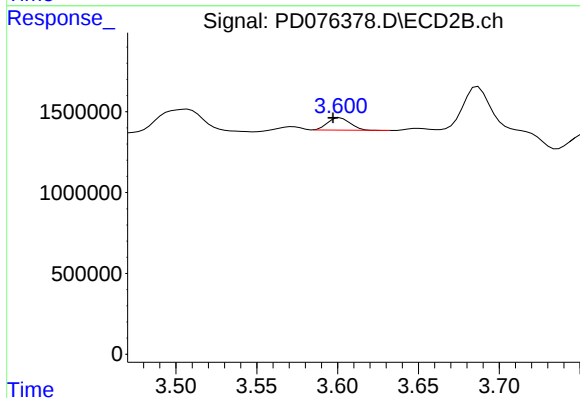
R.T.: 3.265 min  
Delta R.T.: -0.002 min  
Response: 834660  
Conc: 0.35 ng/ml



#3 gamma-BHC (Lindane)

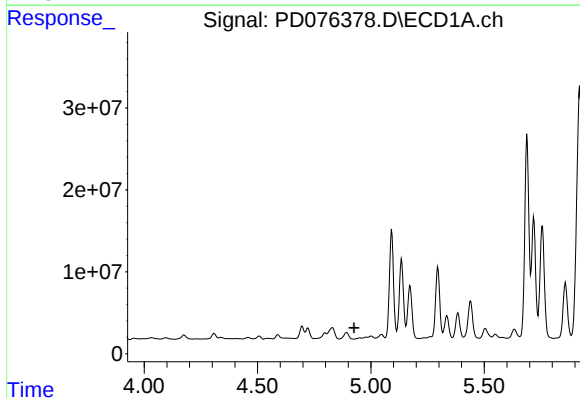
R.T.: 4.339 min  
Delta R.T.: 0.004 min  
Response: 813715  
Conc: 0.16 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
KULLER-COMP



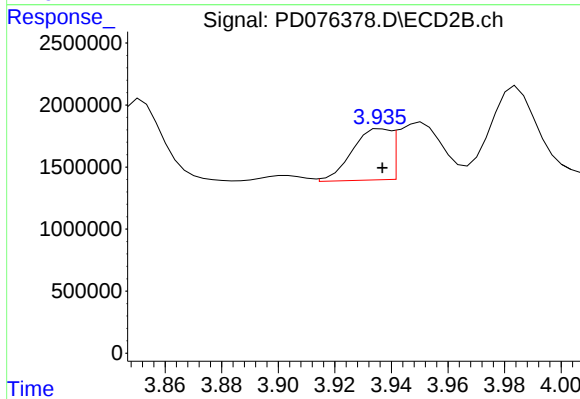
#3 gamma-BHC (Lindane)

R.T.: 3.602 min  
Delta R.T.: 0.005 min  
Response: 740036  
Conc: 0.33 ng/ml



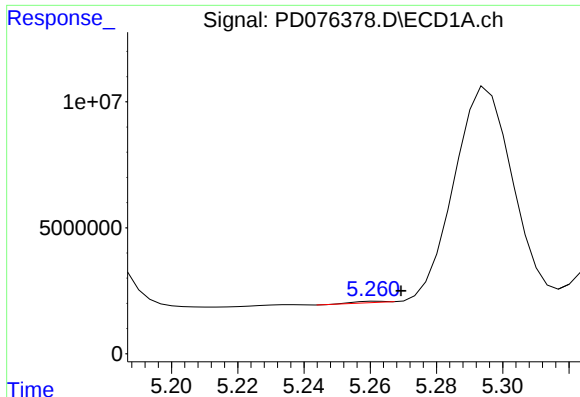
#4 Heptachlor

R.T.: 4.951 min  
Delta R.T.: 0.025 min  
Response: -4446300  
Conc: N.D.



#4 Heptachlor

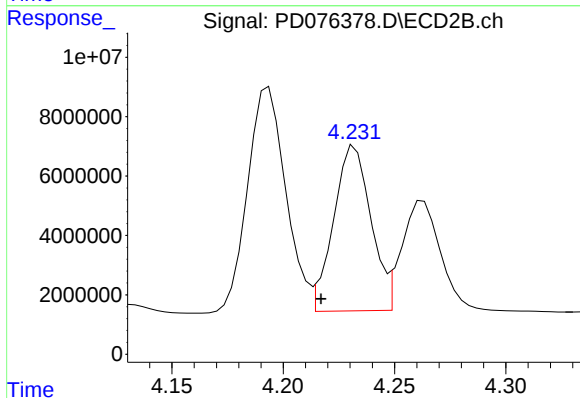
R.T.: 3.937 min  
Delta R.T.: 0.000 min  
Response: 3832978  
Conc: 1.69 ng/ml



#5 Aldrin

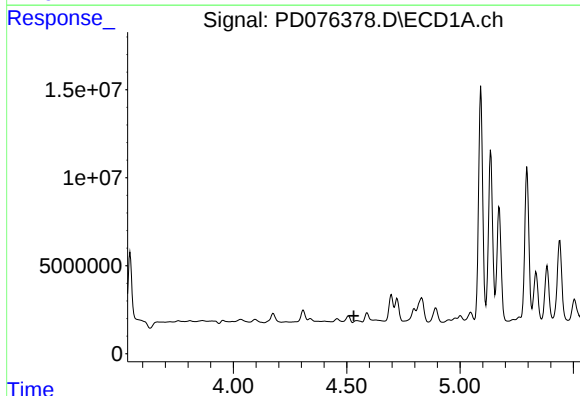
R.T.: 5.262 min  
Delta R.T.: -0.007 min  
Response: 266332  
Conc: 0.05 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
KULLER-COMP



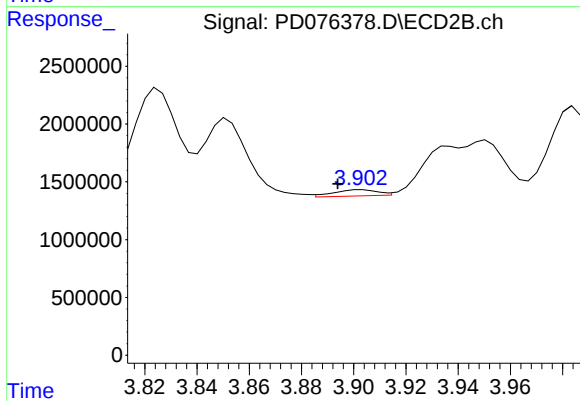
#5 Aldrin

R.T.: 4.232 min  
Delta R.T.: 0.015 min  
Response: 64911951  
Conc: 29.29 ng/ml



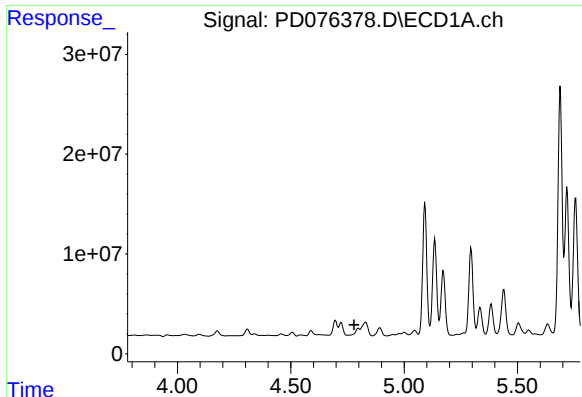
#6 beta-BHC

R.T.: 4.543 min  
Delta R.T.: 0.012 min  
Response: -2296802  
Conc: N.D.



#6 beta-BHC

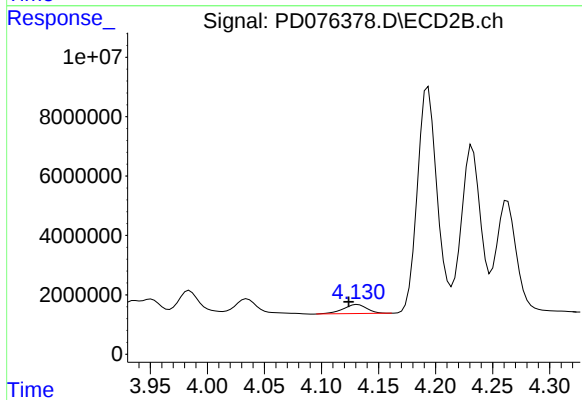
R.T.: 3.903 min  
Delta R.T.: 0.009 min  
Response: 637489  
Conc: 0.72 ng/ml



#7 delta-BHC

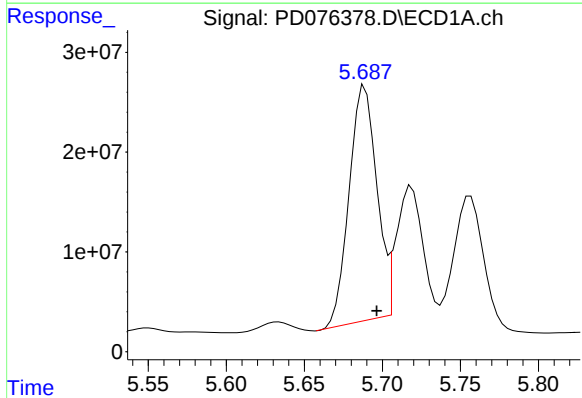
R.T.: 4.798 min  
Delta R.T.: 0.018 min  
Response: -2029671  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
KULLER-COMP



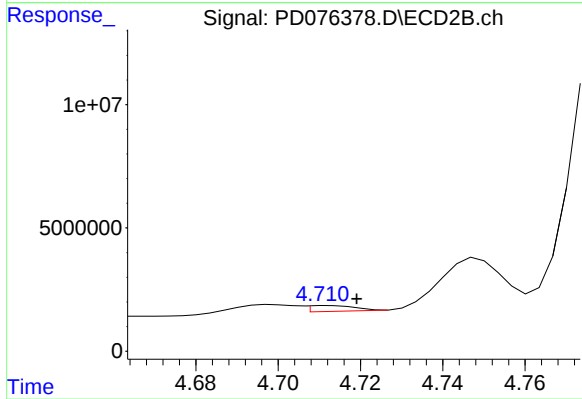
#7 delta-BHC

R.T.: 4.132 min  
Delta R.T.: 0.008 min  
Response: 4412059  
Conc: 2.10 ng/ml



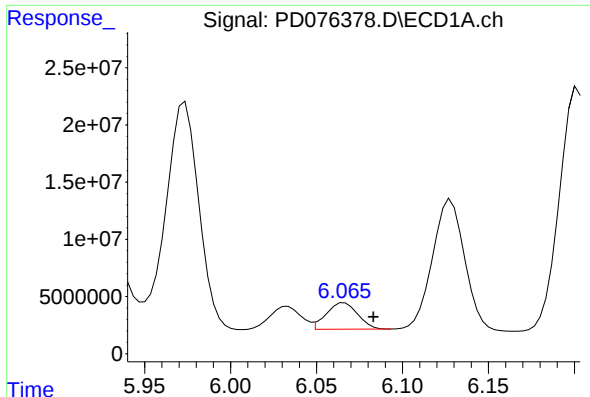
#8 Heptachlor epoxide

R.T.: 5.689 min  
Delta R.T.: -0.008 min  
Response: 289549156  
Conc: 60.09 ng/ml



#8 Heptachlor epoxide

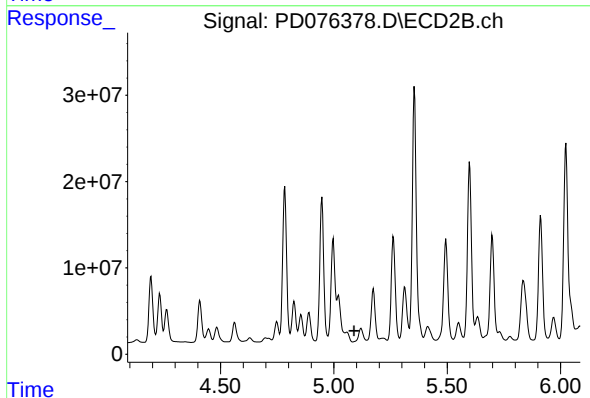
R.T.: 4.713 min  
Delta R.T.: -0.007 min  
Response: 1806851  
Conc: 0.90 ng/ml



#9 Endosulfan I

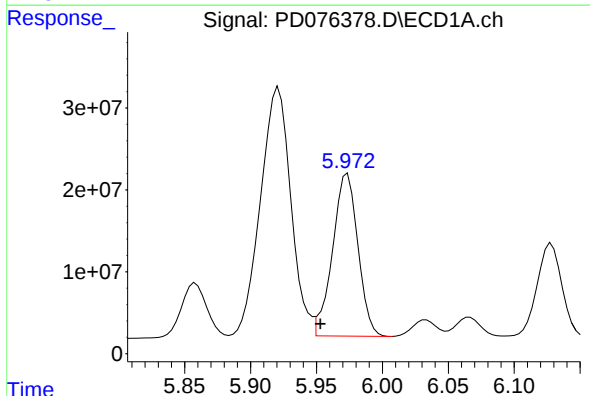
R.T.: 6.066 min  
Delta R.T.: -0.017 min  
Response: 29452350  
Conc: 6.60 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
KULLER-COMP



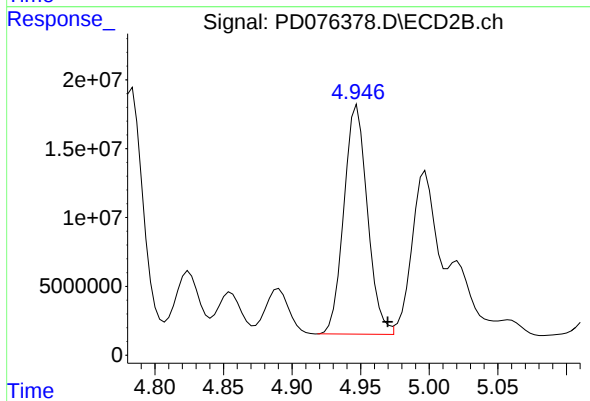
#9 Endosulfan I

R.T.: 0.000 min  
Exp R.T. : 5.089 min  
Response: 0  
Conc: N.D.



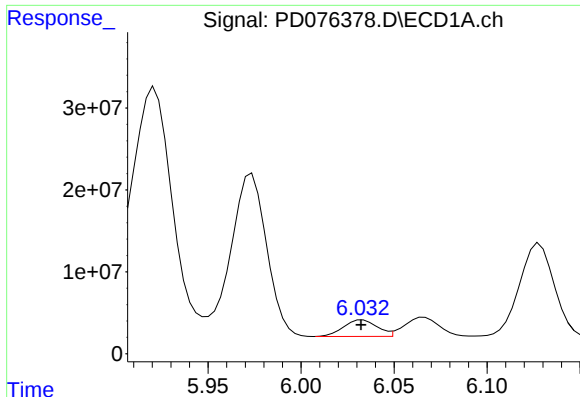
#10 gamma-Chlordane

R.T.: 5.974 min  
Delta R.T.: 0.021 min  
Response: 266196067  
Conc: 54.74 ng/ml



#10 gamma-Chlordane

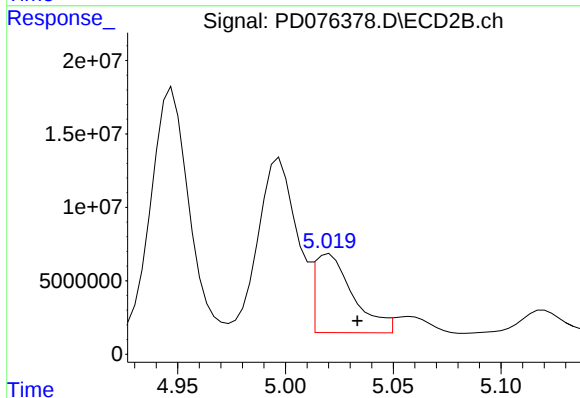
R.T.: 4.947 min  
Delta R.T.: -0.022 min  
Response: 198802624  
Conc: 99.84 ng/ml



#11 alpha-Chlordane

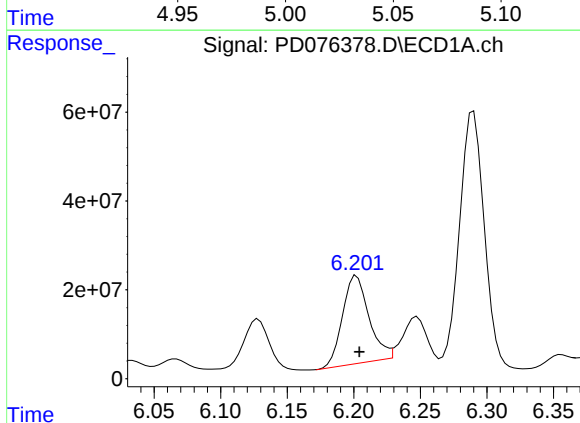
R.T.: 6.033 min  
Delta R.T.: 0.000 min  
Response: 25417029  
Conc: 5.29 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
KULLER-COMP



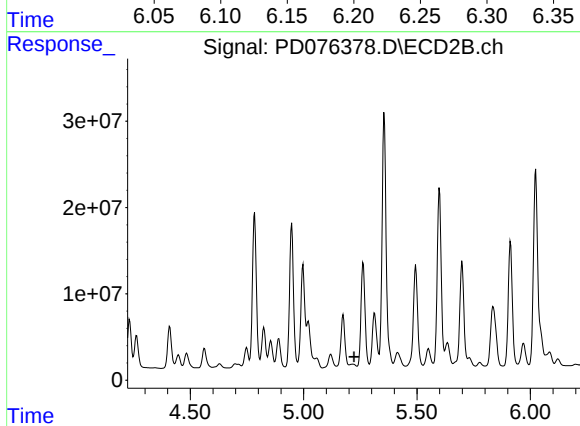
#11 alpha-Chlordane

R.T.: 5.020 min  
Delta R.T.: -0.013 min  
Response: 65920082  
Conc: 33.17 ng/ml



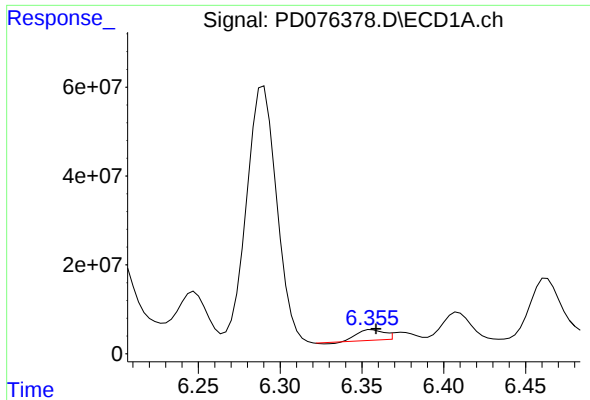
#12 4,4'-DDE

R.T.: 6.202 min  
Delta R.T.: -0.002 min  
Response: 273366400  
Conc: 64.40 ng/ml



#12 4,4'-DDE

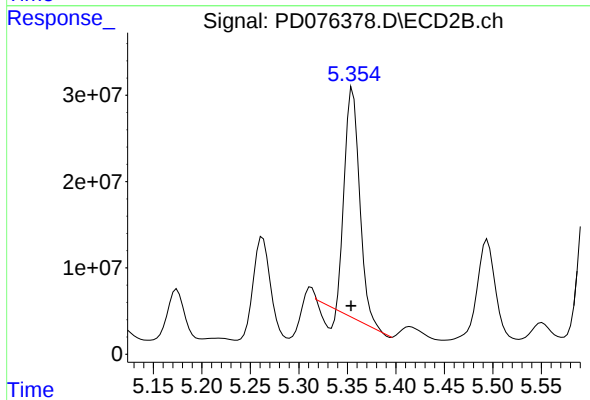
R.T.: 5.218 min  
Delta R.T.: -0.005 min  
Response: -2717874  
Conc: N.D.



#13 Dieldrin

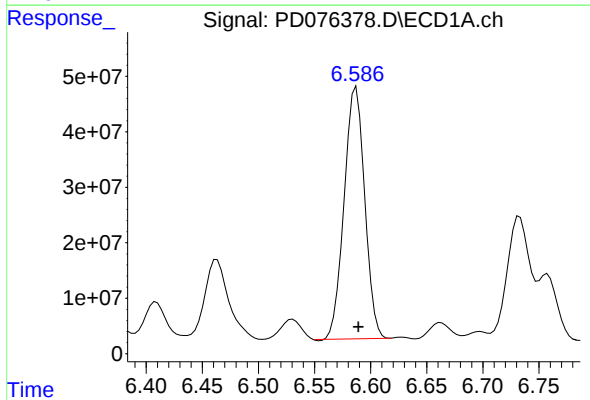
R.T.: 6.356 min  
Delta R.T.: -0.002 min  
Response: 25138089  
Conc: 5.37 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
KULLER-COMP



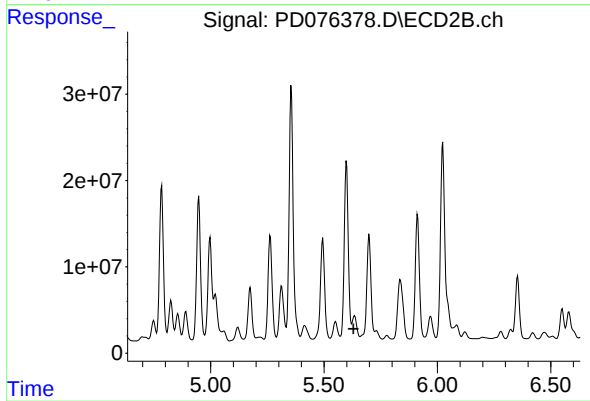
#13 Dieldrin

R.T.: 5.356 min  
Delta R.T.: 0.002 min  
Response: 280137424  
Conc: 142.22 ng/ml



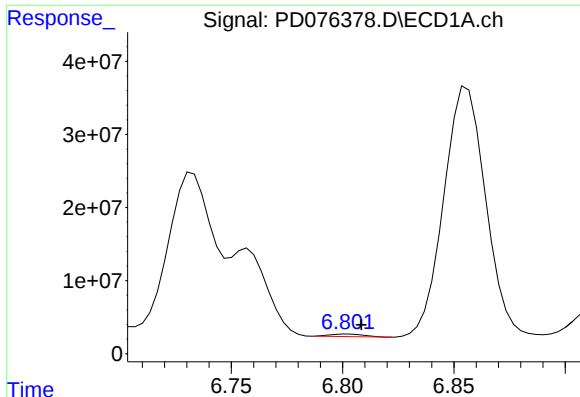
#14 Endrin

R.T.: 6.587 min  
Delta R.T.: -0.002 min  
Response: 578637614  
Conc: 145.34 ng/ml



#14 Endrin

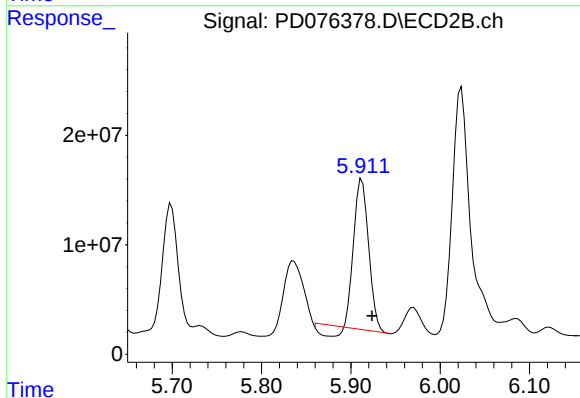
R.T.: 5.635 min  
Delta R.T.: 0.005 min  
Response: -84438070  
Conc: N.D.



#15 Endosulfan II

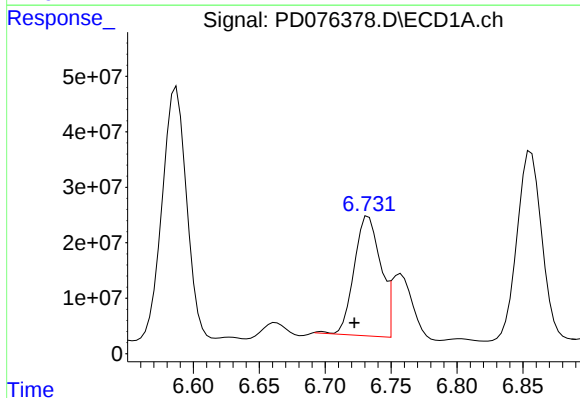
R.T.: 6.803 min  
Delta R.T.: -0.006 min  
Response: 3650009  
Conc: 0.98 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
KULLER-COMP



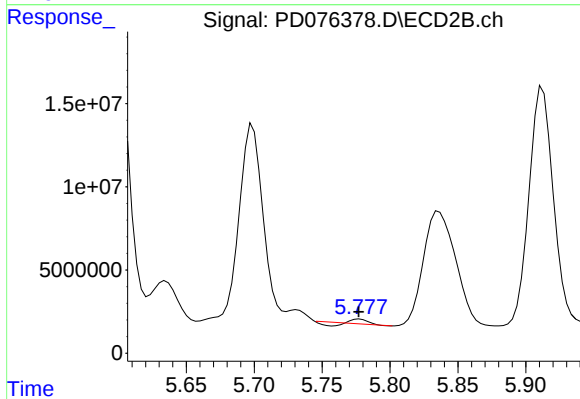
#15 Endosulfan II

R.T.: 5.912 min  
Delta R.T.: -0.011 min  
Response: 152677419  
Conc: 98.39 ng/ml



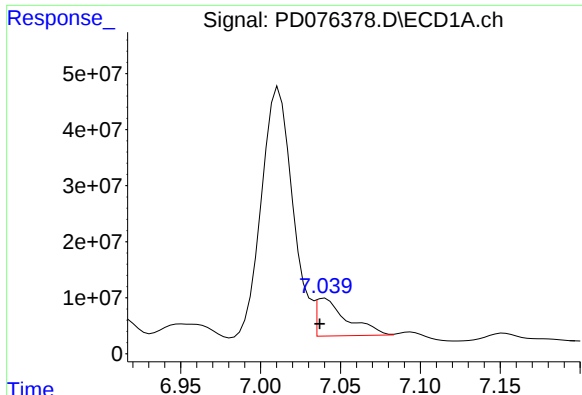
#16 4,4'-DDD

R.T.: 6.733 min  
Delta R.T.: 0.011 min  
Response: 300933380  
Conc: 89.57 ng/ml



#16 4,4'-DDD

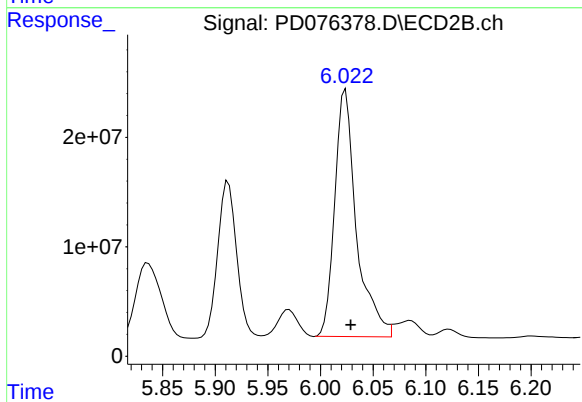
R.T.: 5.778 min  
Delta R.T.: 0.000 min  
Response: 531696  
Conc: 0.44 ng/ml



#17 4,4'-DDT

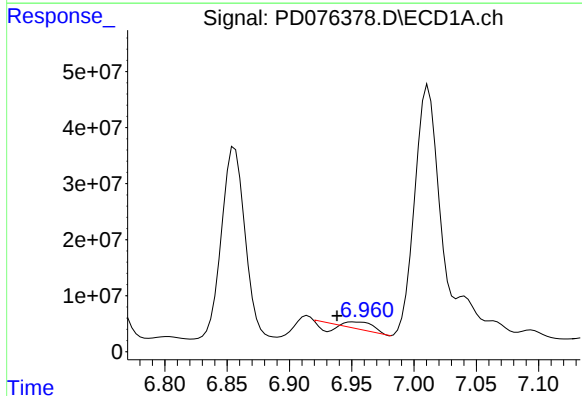
R.T.: 7.040 min  
Delta R.T.: 0.003 min  
Response: 90062133  
Conc: 25.61 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
KULLER-COMP



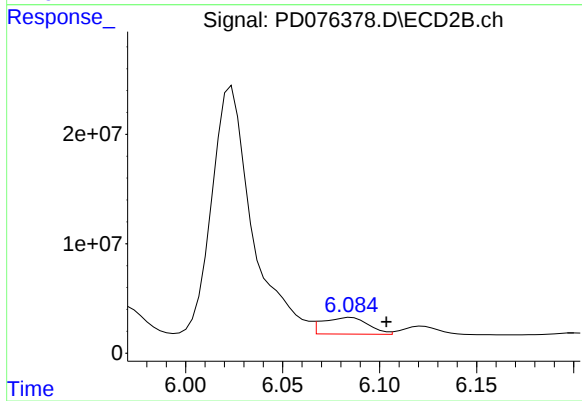
#17 4,4'-DDT

R.T.: 6.024 min  
Delta R.T.: -0.005 min  
Response: 324221928  
Conc: 267.89 ng/ml



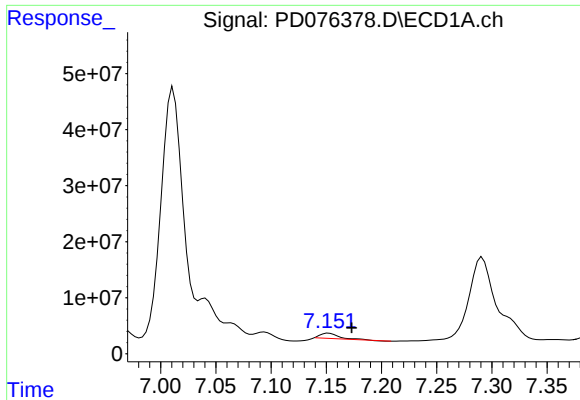
#18 Endrin aldehyde

R.T.: 6.951 min  
Delta R.T.: 0.013 min  
Response: 9032369  
Conc: 3.30 ng/ml



#18 Endrin aldehyde

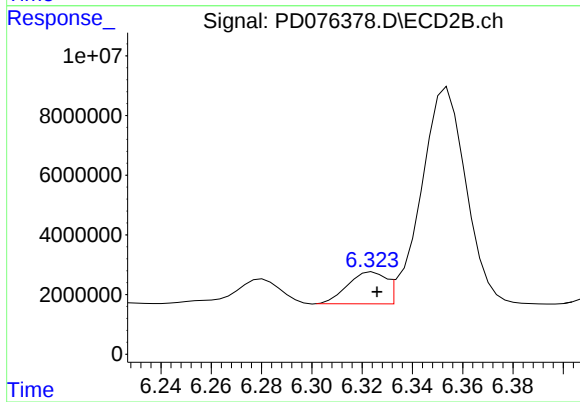
R.T.: 6.085 min  
Delta R.T.: -0.018 min  
Response: 24931985  
Conc: 21.82 ng/ml



#19 Endosulfan Sulfate

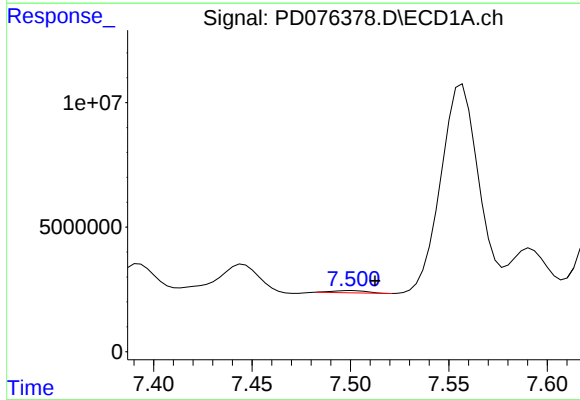
R.T.: 7.152 min  
Delta R.T.: -0.021 min  
Response: 10842123  
Conc: 2.93 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
KULLER-COMP



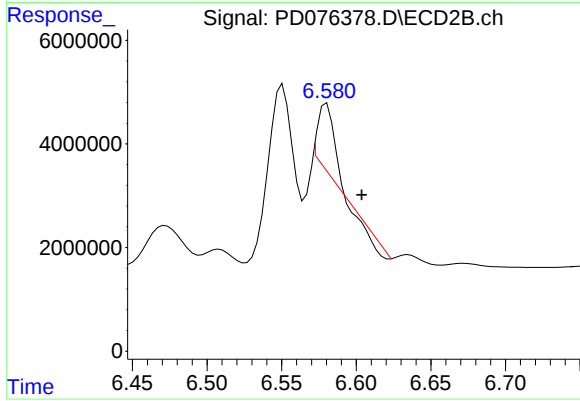
#19 Endosulfan Sulfate

R.T.: 6.324 min  
Delta R.T.: -0.002 min  
Response: 11241233  
Conc: 7.40 ng/ml



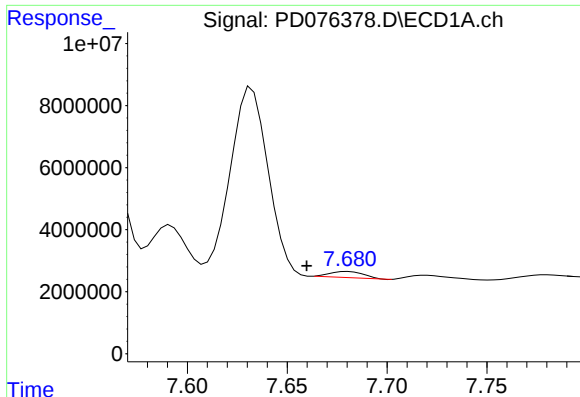
#20 Methoxychlor

R.T.: 7.501 min  
Delta R.T.: -0.012 min  
Response: 1109477  
Conc: 0.58 ng/ml



#20 Methoxychlor

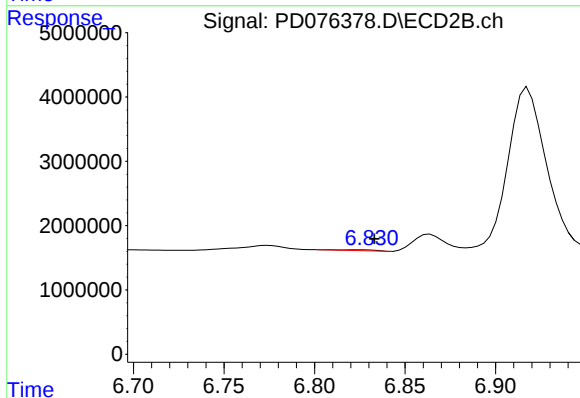
R.T.: 6.580 min  
Delta R.T.: -0.023 min  
Response: 8238383  
Conc: 12.90 ng/ml



#21 Endrin ketone

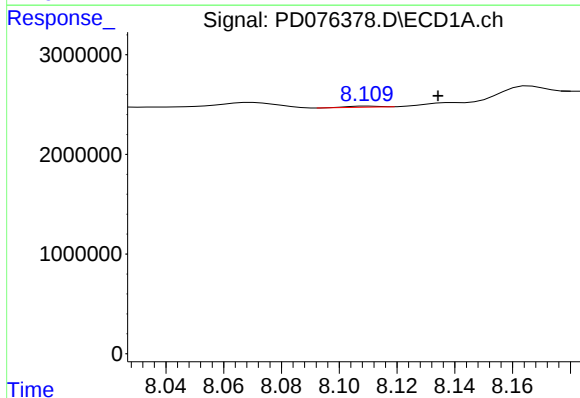
R.T.: 7.681 min  
Delta R.T.: 0.021 min  
Response: 2326235  
Conc: 0.56 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
KULLER-COMP



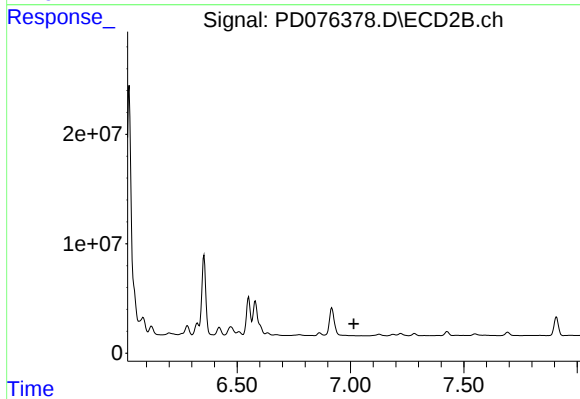
#21 Endrin ketone

R.T.: 6.826 min  
Delta R.T.: -0.007 min  
Response: 195558  
Conc: 0.11 ng/ml



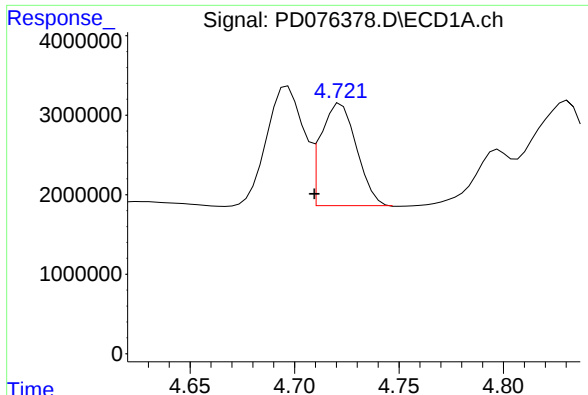
#22 Mirex

R.T.: 8.110 min  
Delta R.T.: -0.024 min  
Response: 82590  
Conc: 0.03 ng/ml



#22 Mirex

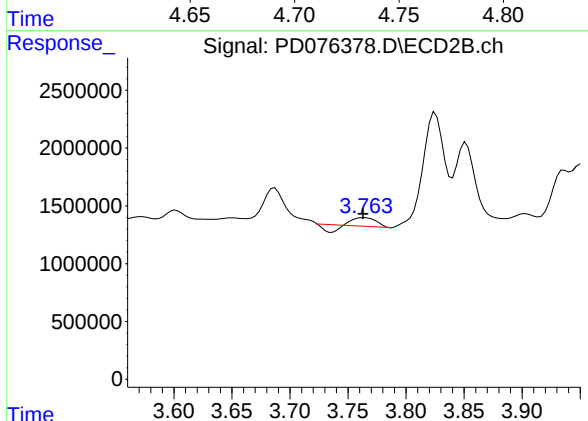
R.T.: 0.000 min  
Exp R.T. : 7.015 min  
Response: 0  
Conc: N.D.



#23 Chlordane-1

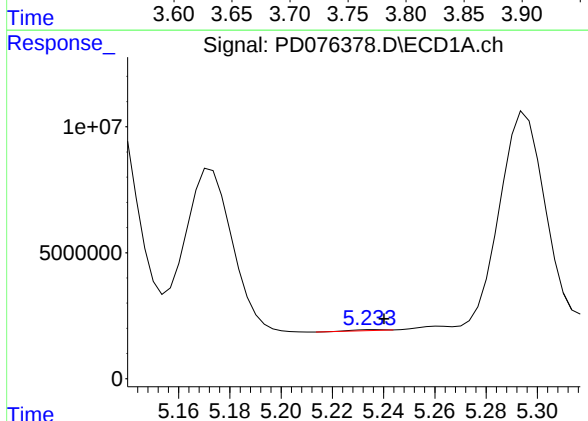
R.T.: 4.722 min  
Delta R.T.: 0.013 min  
Response: 15314972  
Conc: 132.06 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
KULLER-COMP



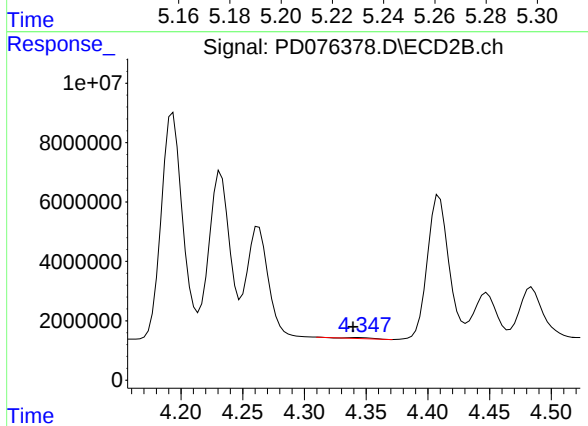
#23 Chlordane-1

R.T.: 3.764 min  
Delta R.T.: 0.001 min  
Response: 697371  
Conc: 15.76 ng/ml



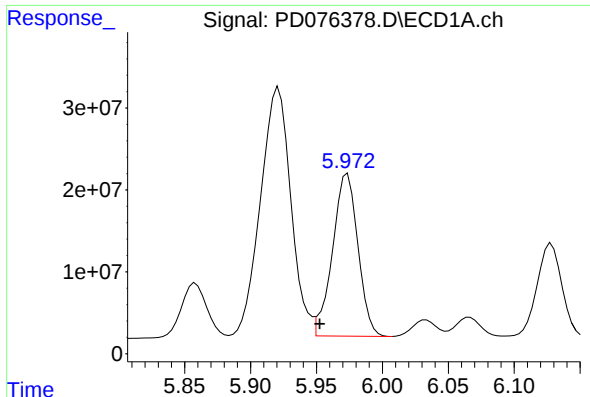
#24 Chlordane-2

R.T.: 5.237 min  
Delta R.T.: -0.003 min  
Response: 211336  
Conc: 1.65 ng/ml



#24 Chlordane-2

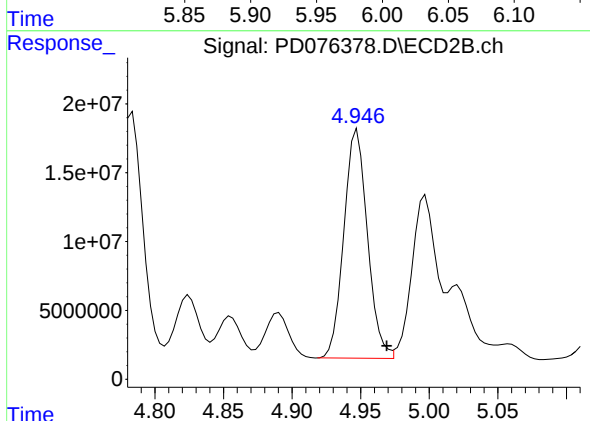
R.T.: 4.344 min  
Delta R.T.: 0.004 min  
Response: 471249  
Conc: 9.70 ng/ml



#25 Chlordane-3

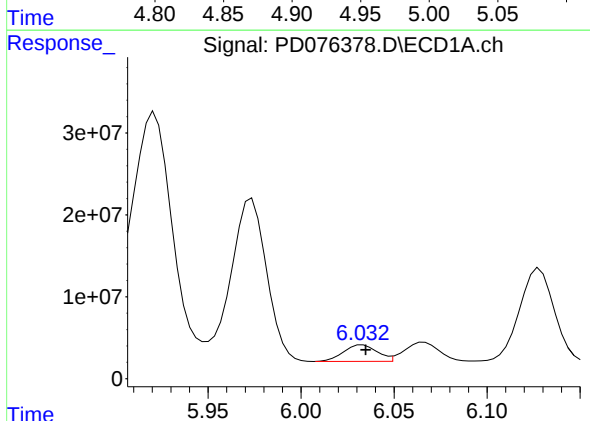
R.T.: 5.974 min  
Delta R.T.: 0.021 min  
Response: 266196067  
Conc: 526.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
KULLER-COMP



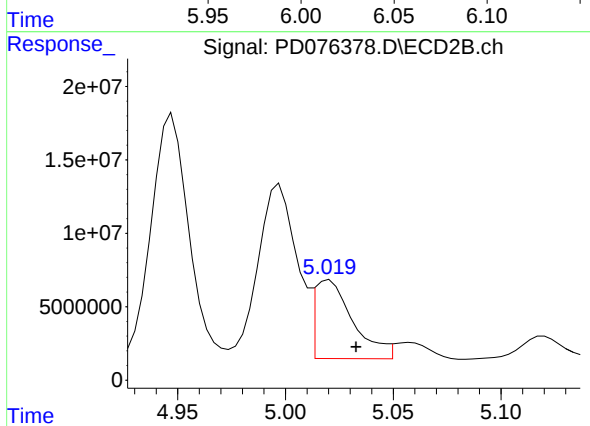
#25 Chlordane-3

R.T.: 4.947 min  
Delta R.T.: -0.022 min  
Response: 198802624  
Conc: 1416.67 ng/ml



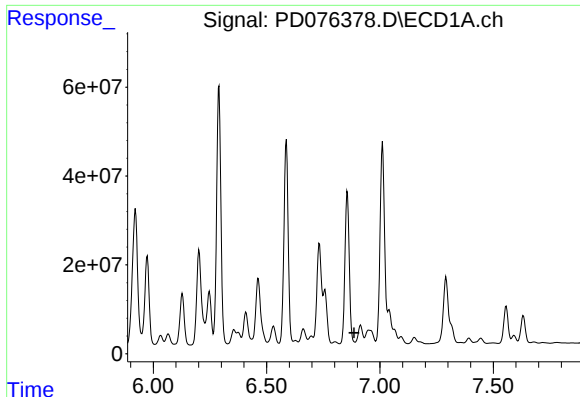
#26 Chlordane-4

R.T.: 6.033 min  
Delta R.T.: -0.002 min  
Response: 25417029  
Conc: 41.34 ng/ml



#26 Chlordane-4

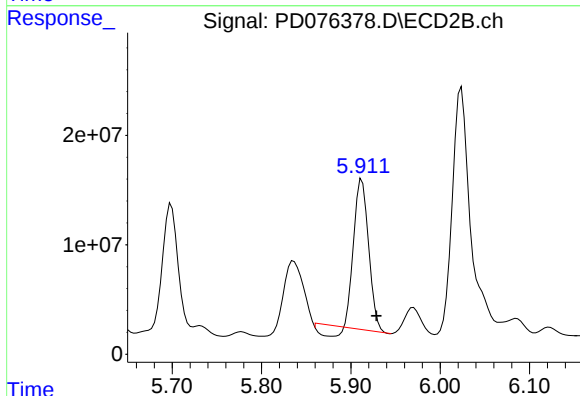
R.T.: 5.020 min  
Delta R.T.: -0.012 min  
Response: 65920082  
Conc: 468.12 ng/ml



#27 Chlordane-5

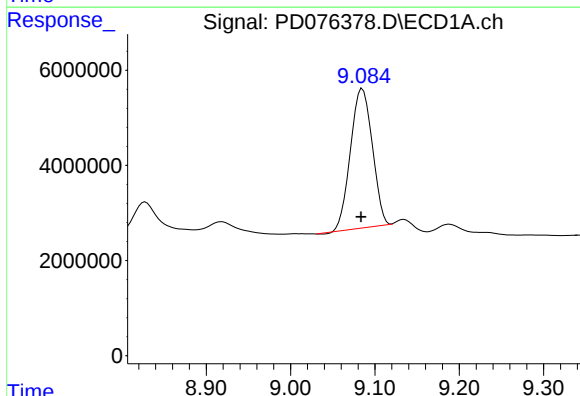
R.T.: 6.915 min  
Delta R.T.: 0.028 min  
Response: -94080760  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
KULLER-COMP



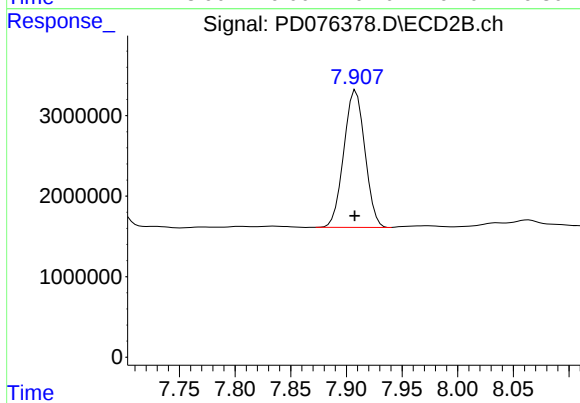
#27 Chlordane-5

R.T.: 5.912 min  
Delta R.T.: -0.016 min  
Response: 152677419  
Conc: 3280.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.085 min  
Delta R.T.: 0.002 min  
Response: 52527177  
Conc: 14.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.909 min  
Delta R.T.: 0.001 min  
Response: 22444979  
Conc: 17.83 ng/ml