

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL073019\  
 Data File : PL050885.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 30 Jul 2019 18:55  
 Operator : SM\AJ  
 Sample : K4021-04MSD  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 TP-10MSD

Manual Integrations  
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Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jul 31 00:49:03 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL071719.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Jul 19 01:19:13 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 x0.5µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|---------|
| -----                       |                 |       |       |          |          |        |         |
| System Monitoring Compounds |                 |       |       |          |          |        |         |
| 1)                          | SA Tetrachlo... | 3.318 | 3.929 | 219.4E6  | 65381251 | 21.834 | 22.915  |
| 28)                         | SA Decachlor... | 7.979 | 8.959 | 233.7E6  | 63781466 | 23.086 | 22.554  |
| Target Compounds            |                 |       |       |          |          |        |         |
| 2)                          | A alpha-BHC     | 3.746 | 4.317 | 1102.4E6 | 284.3E6  | 65.788 | 68.917  |
| 3)                          | MA gamma-BHC... | 4.021 | 4.600 | 1042.0E6 | 266.5E6  | 67.741 | 68.812  |
| 4)                          | MA Heptachlor   | 4.305 | 5.102 | 1126.7E6 | 279.9E6  | 68.668 | 67.503  |
| 5)                          | MB Aldrin       | 4.543 | 5.404 | 1045.5E6 | 258.7E6  | 67.491 | 68.643  |
| 6)                          | B beta-BHC      | 4.276 | 4.777 | 438.6E6  | 121.1E6  | 66.896 | 70.073  |
| 7)                          | B delta-BHC     | 4.469 | 4.990 | 1019.9E6 | 232.8E6  | 62.155 | 60.190  |
| 8)                          | B Heptachlo...  | 4.979 | 5.791 | 1006.7E6 | 244.3E6  | 68.139 | 63.871  |
| 9)                          | A Endosulfan I  | 5.309 | 6.146 | 970.9E6  | 228.3E6  | 66.757 | 66.376  |
| 10)                         | B gamma-Chl...  | 5.201 | 6.025 | 1070.7E6 | 246.9E6  | 67.838 | 66.826  |
| 11)                         | B alpha-Chl...  | 5.257 | 6.096 | 1030.3E6 | 244.3E6  | 67.532 | 66.651  |
| 12)                         | B 4,4'-DDE      | 5.424 | 6.257 | 1029.3E6 | 245.4E6  | 68.683 | 68.113  |
| 13)                         | MA Dieldrin     | 5.548 | 6.402 | 1064.8E6 | 242.9E6  | 68.712 | 68.589  |
| 14)                         | MA Endrin       | 5.801 | 6.619 | 1025.3E6 | 216.7E6  | 69.651 | 69.874  |
| 15)                         | B Endosulfa...  | 6.075 | 6.832 | 914.9E6  | 213.9E6  | 65.375 | 67.278  |
| 16)                         | A 4,4'-DDD      | 5.935 | 6.747 | 809.0E6  | 183.3E6  | 67.508 | 68.821  |
| 17)                         | MA 4,4'-DDT     | 6.168 | 7.044 | 834.8E6  | 192.0E6  | 67.404 | 71.114  |
| 18)                         | B Endrin al...  | 6.242 | 6.954 | 718.9E6  | 178.1E6  | 62.320 | 65.520m |
| 19)                         | B Endosulfa...  | 6.453 | 7.179 | 784.7E6  | 187.5E6  | 61.592 | 64.928  |
| 20)                         | A Methoxychlor  | 6.713 | 7.505 | 405.3E6  | 103.5E6  | 64.956 | 70.521  |
| 21)                         | B Endrin ke...  | 6.934 | 7.647 | 855.8E6  | 200.2E6  | 62.567 | 69.240  |
| 22)                         | Mirex           | 7.108 | 8.095 | 557.4E6  | 142.3E6  | 56.858 | 61.947  |
| -----                       |                 |       |       |          |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL073019\  
Data File : PL050885.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 30 Jul 2019 18:55  
Operator : SM\AJ  
Sample : K4021-04MSD  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

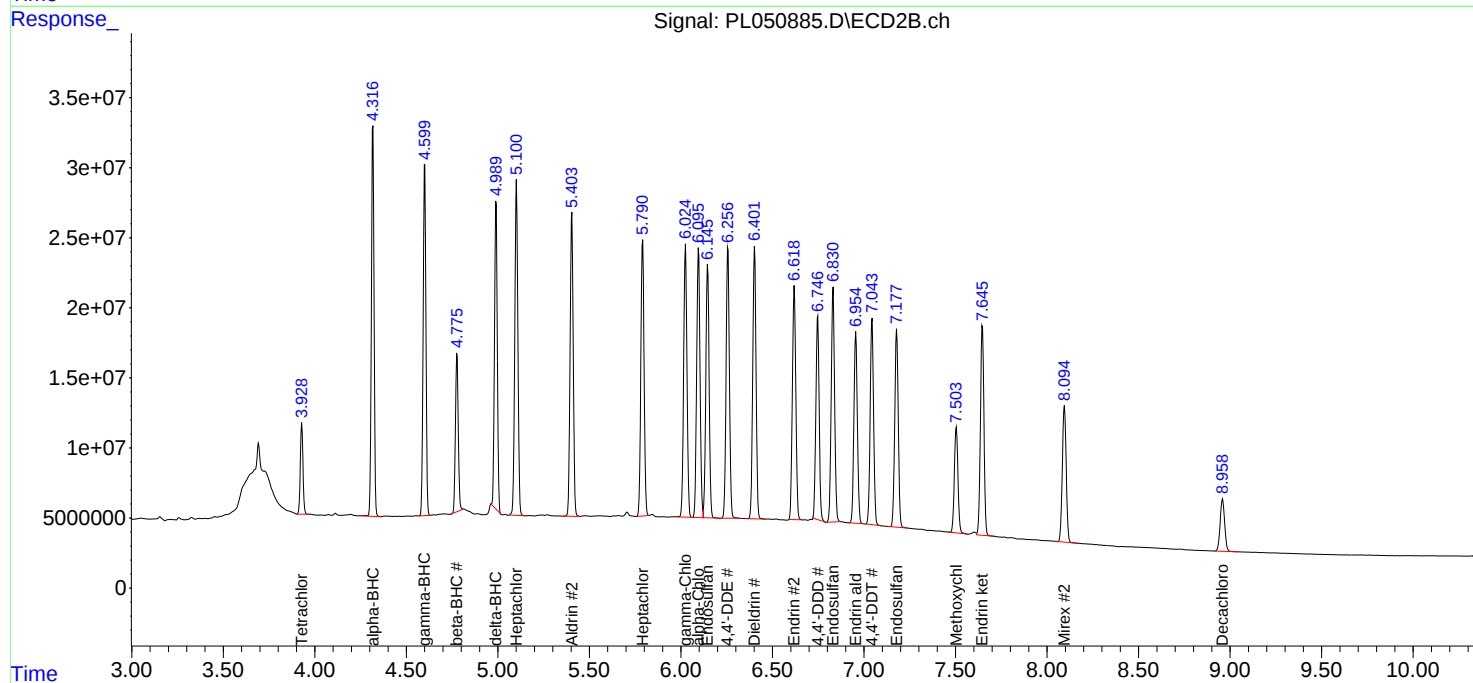
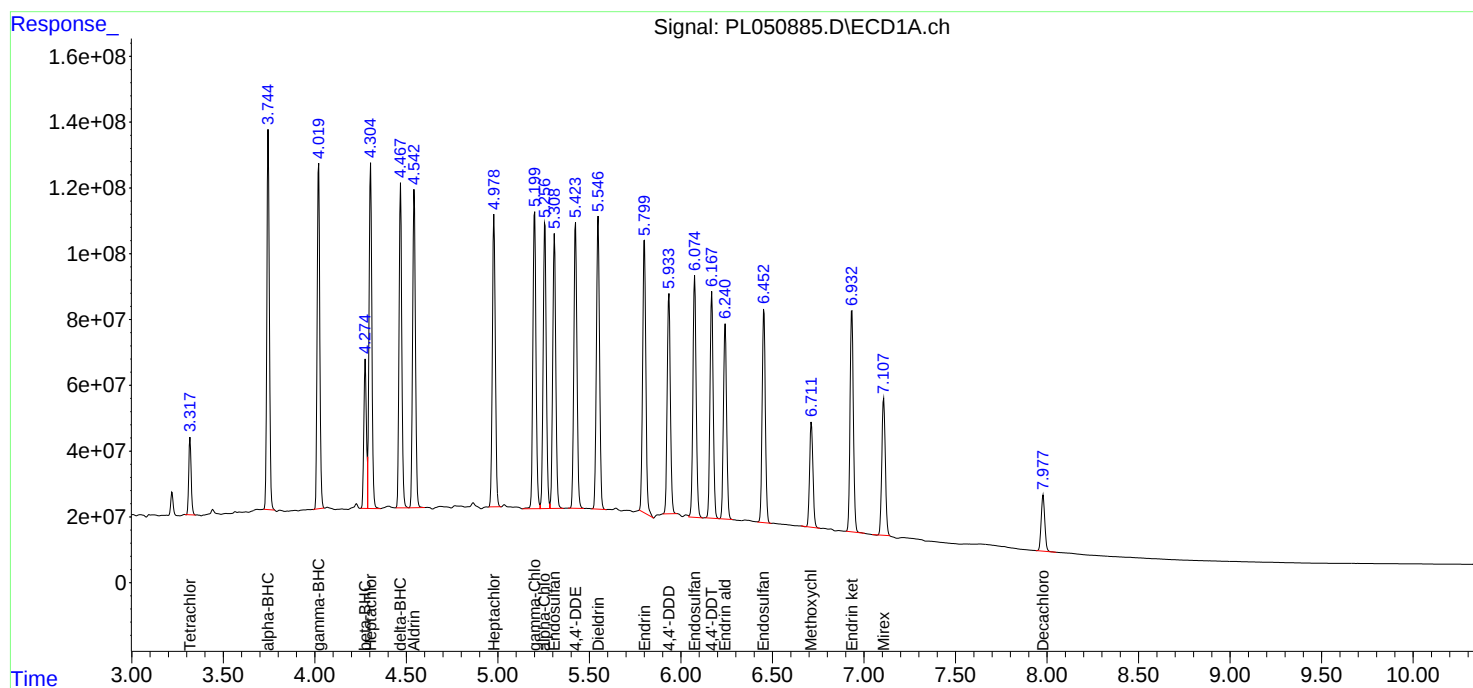
Instrument :  
ECD\_L  
ClientSampled :  
TP-10MSD

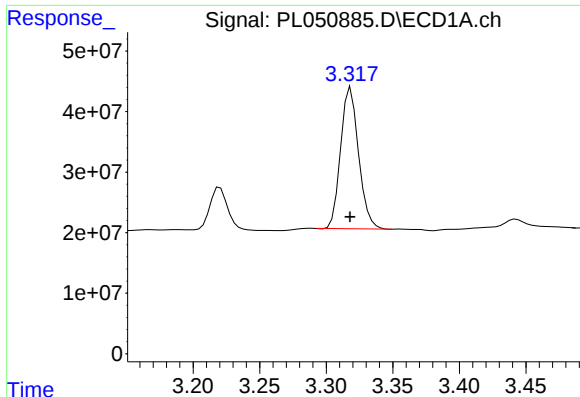
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jul 31 00:49:03 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL071719.M  
Quant Title : GC Extractables  
QLast Update : Fri Jul 19 01:19:13 2019  
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 x0.5µm





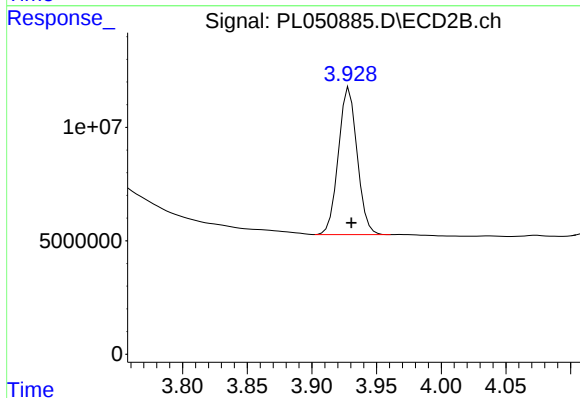
#1 Tetrachloro-m-xylene

R.T.: 3.318 min  
Delta R.T.: 0.000 min  
Response: 219388081  
Conc: 21.83 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-10MSD

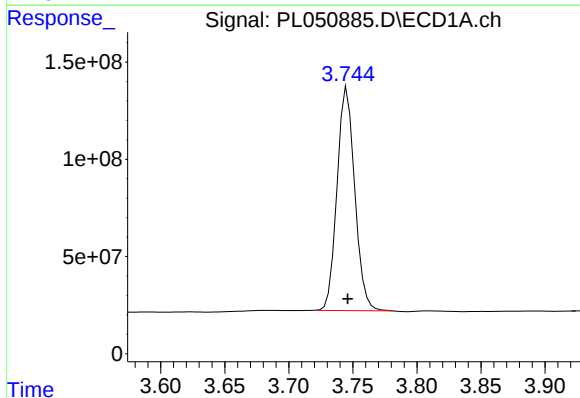
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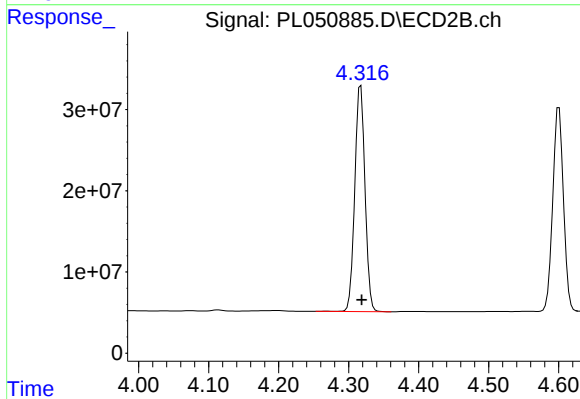
#1 Tetrachloro-m-xylene

R.T.: 3.929 min  
Delta R.T.: -0.002 min  
Response: 65381251  
Conc: 22.92 ng/ml



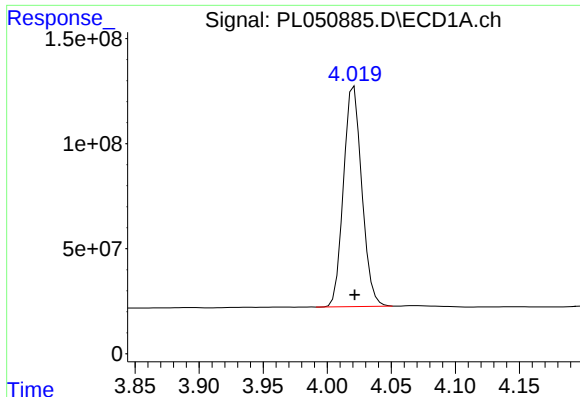
#2 alpha-BHC

R.T.: 3.746 min  
Delta R.T.: 0.000 min  
Response: 1102449730  
Conc: 65.79 ng/ml



#2 alpha-BHC

R.T.: 4.317 min  
Delta R.T.: -0.002 min  
Response: 284348687  
Conc: 68.92 ng/ml



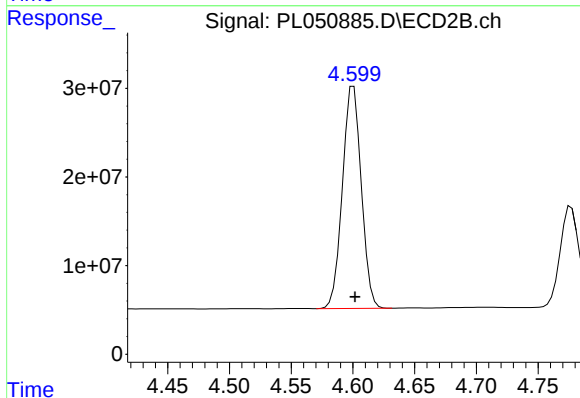
#3 gamma-BHC (Lindane)

R.T.: 4.021 min  
Delta R.T.: 0.000 min  
Response: 1041965059  
Conc: 67.74 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-10MSD

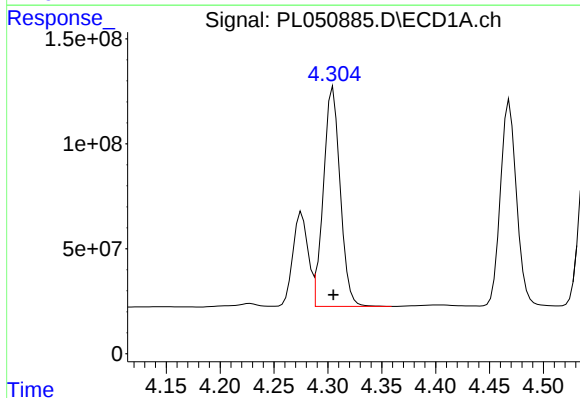
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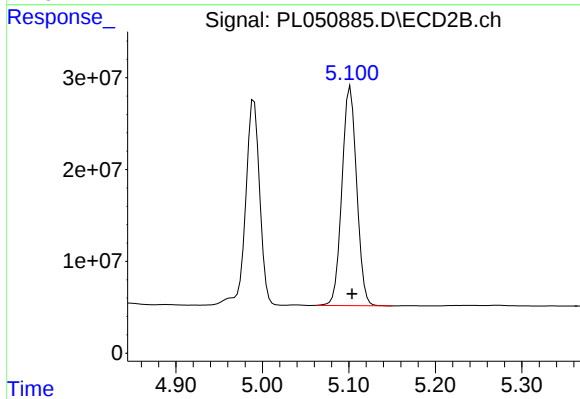
#3 gamma-BHC (Lindane)

R.T.: 4.600 min  
Delta R.T.: -0.001 min  
Response: 266519858  
Conc: 68.81 ng/ml



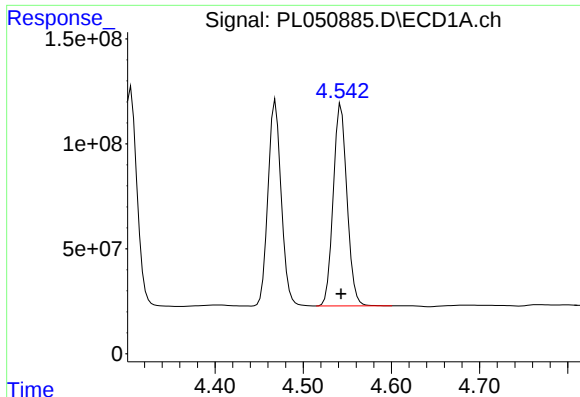
#4 Heptachlor

R.T.: 4.305 min  
Delta R.T.: 0.000 min  
Response: 1126689253  
Conc: 68.67 ng/ml



#4 Heptachlor

R.T.: 5.102 min  
Delta R.T.: -0.002 min  
Response: 279915176  
Conc: 67.50 ng/ml



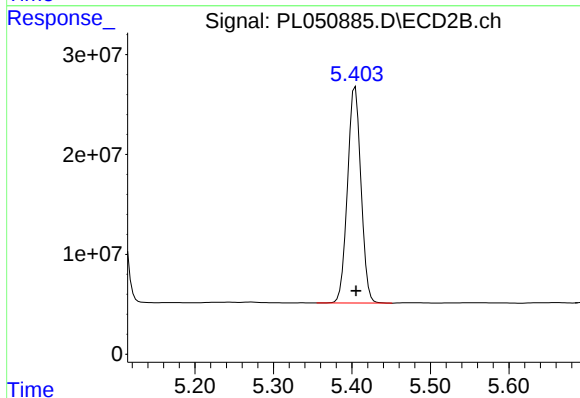
#5 Aldrin

R.T.: 4.543 min  
Delta R.T.: 0.000 min  
Response: 1045544076  
Conc: 67.49 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-10MSD

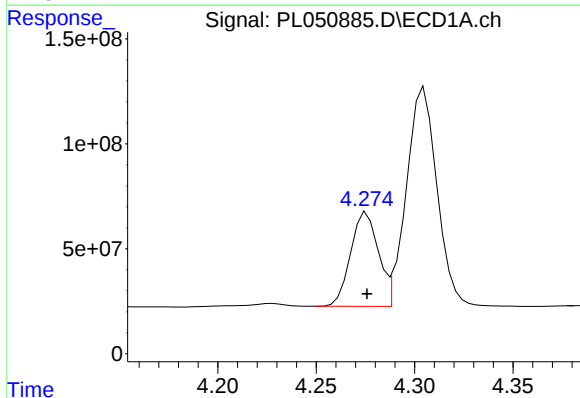
Manual Integrations  
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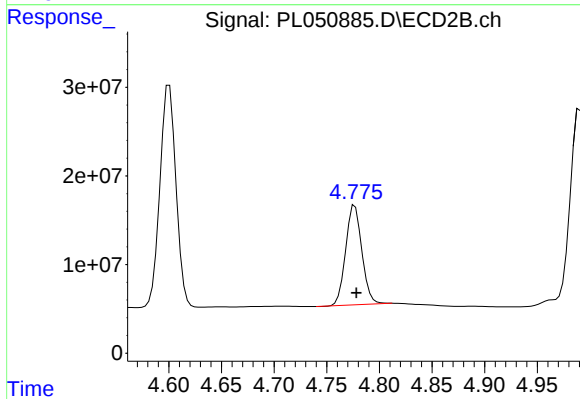
#5 Aldrin

R.T.: 5.404 min  
Delta R.T.: -0.001 min  
Response: 258670279  
Conc: 68.64 ng/ml



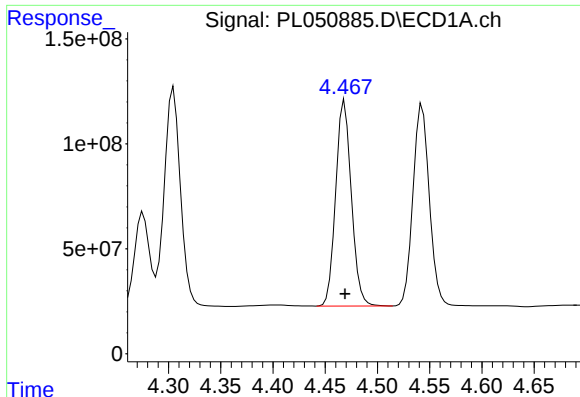
#6 beta-BHC

R.T.: 4.276 min  
Delta R.T.: 0.000 min  
Response: 438558864  
Conc: 66.90 ng/ml



#6 beta-BHC

R.T.: 4.777 min  
Delta R.T.: -0.001 min  
Response: 121146643  
Conc: 70.07 ng/ml



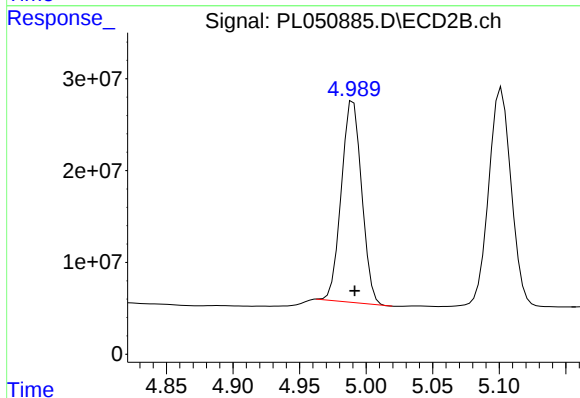
#7 delta-BHC

R.T.: 4.469 min  
Delta R.T.: 0.000 min  
Response: 1019880270  
Conc: 62.15 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-10MSD

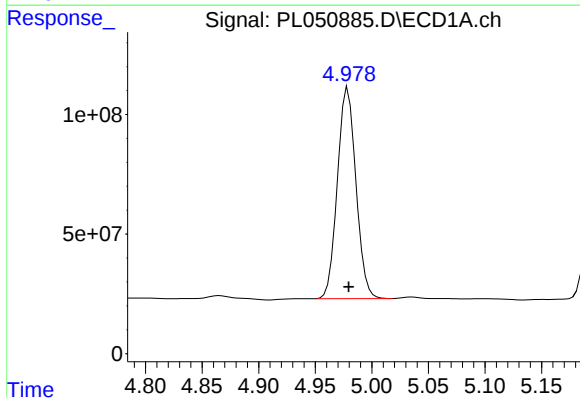
Manual Integrations  
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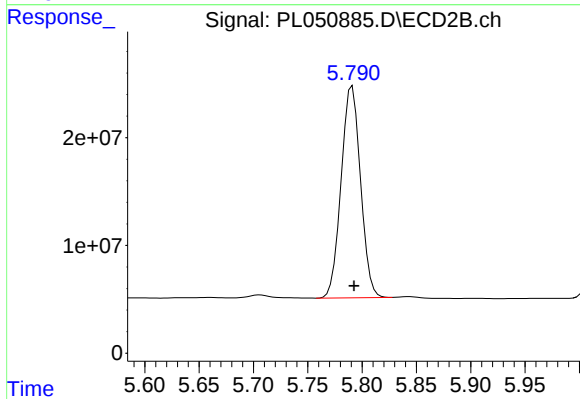
#7 delta-BHC

R.T.: 4.990 min  
Delta R.T.: -0.001 min  
Response: 232790742  
Conc: 60.19 ng/ml



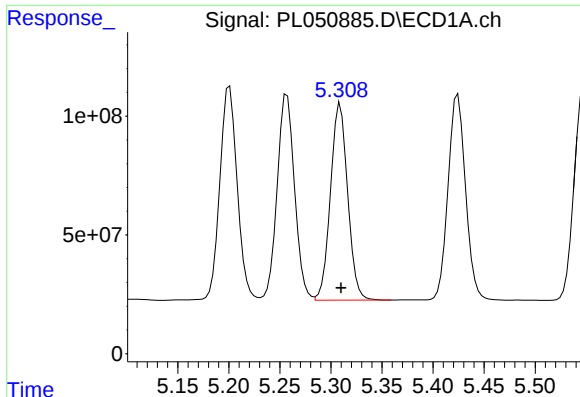
#8 Heptachlor epoxide

R.T.: 4.979 min  
Delta R.T.: 0.000 min  
Response: 1006659454  
Conc: 68.14 ng/ml



#8 Heptachlor epoxide

R.T.: 5.791 min  
Delta R.T.: -0.002 min  
Response: 244295170  
Conc: 63.87 ng/ml



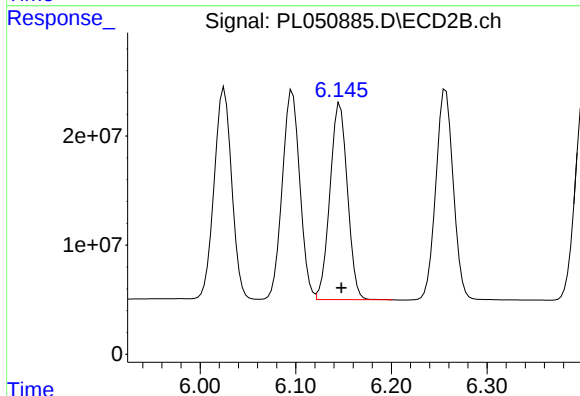
#9 Endosulfan I

R.T.: 5.309 min  
Delta R.T.: 0.000 min  
Response: 970897725  
Conc: 66.76 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-10MSD

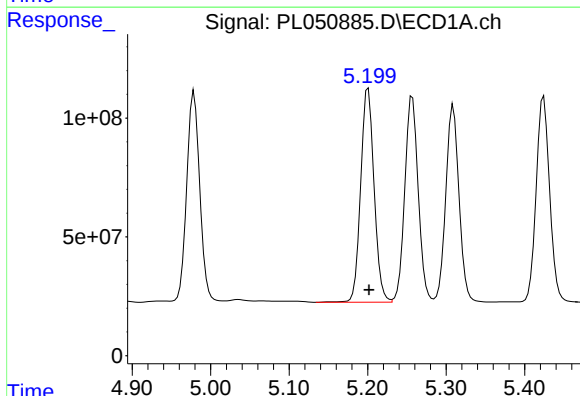
Manual Integrations  
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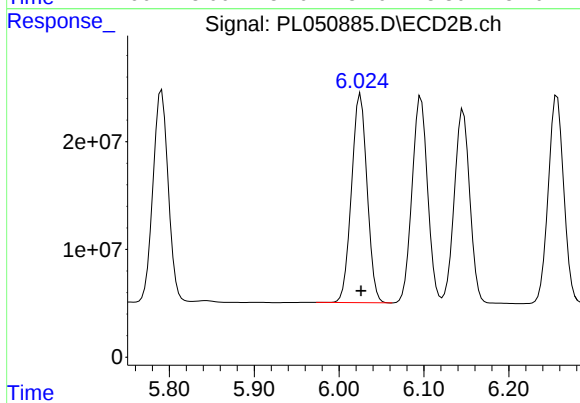
#9 Endosulfan I

R.T.: 6.146 min  
Delta R.T.: -0.002 min  
Response: 228259681  
Conc: 66.38 ng/ml



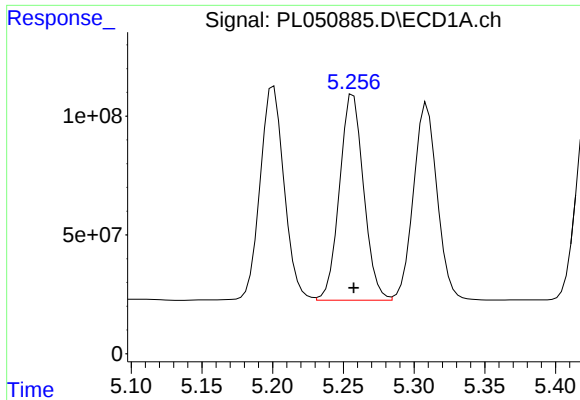
#10 gamma-Chlordane

R.T.: 5.201 min  
Delta R.T.: 0.000 min  
Response: 1070696578  
Conc: 67.84 ng/ml



#10 gamma-Chlordane

R.T.: 6.025 min  
Delta R.T.: 0.000 min  
Response: 246939467  
Conc: 66.83 ng/ml



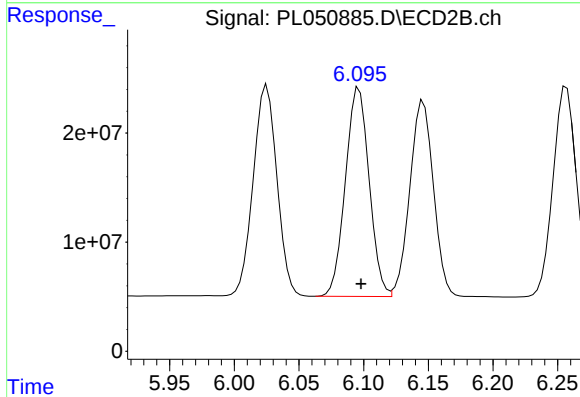
#11 alpha-Chlordane

R.T.: 5.257 min  
Delta R.T.: 0.000 min  
Response: 1030275919  
Conc: 67.53 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-10MSD

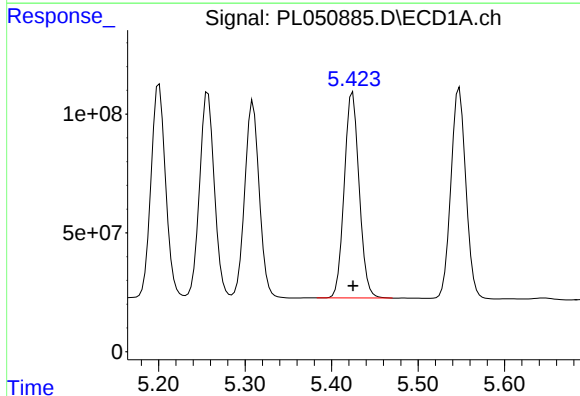
Manual Integrations  
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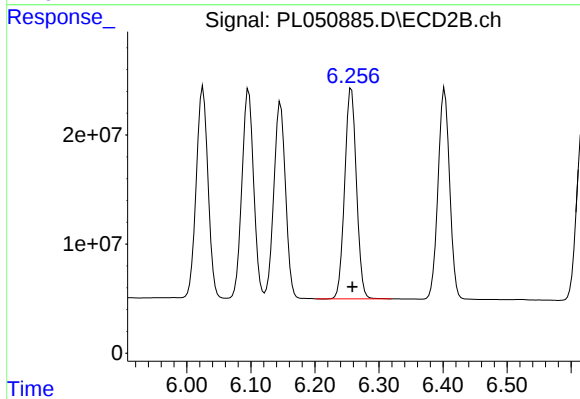
#11 alpha-Chlordane

R.T.: 6.096 min  
Delta R.T.: -0.001 min  
Response: 244286632  
Conc: 66.65 ng/ml



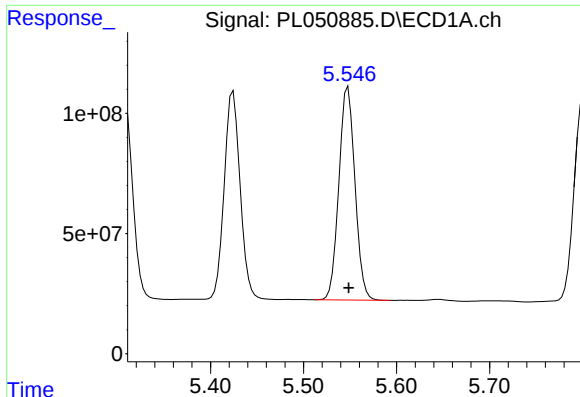
#12 4,4'-DDE

R.T.: 5.424 min  
Delta R.T.: 0.000 min  
Response: 1029273047  
Conc: 68.68 ng/ml



#12 4,4'-DDE

R.T.: 6.257 min  
Delta R.T.: -0.001 min  
Response: 245436745  
Conc: 68.11 ng/ml



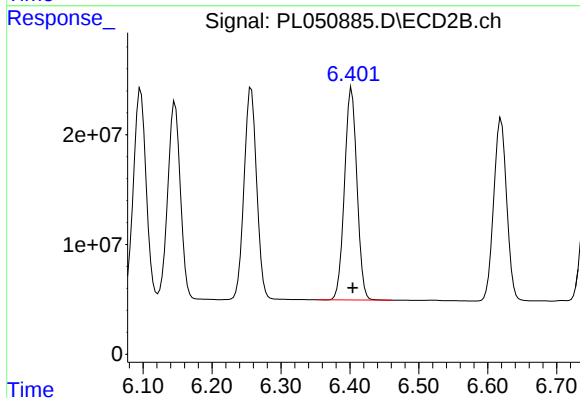
#13 Dieldrin

R.T.: 5.548 min  
Delta R.T.: 0.000 min  
Response: 1064817536  
Conc: 68.71 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-10MSD

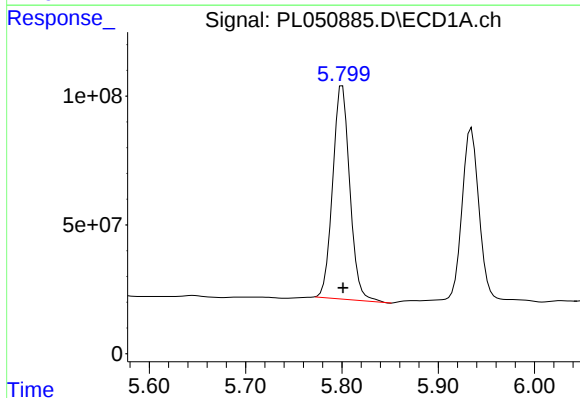
Manual Integrations  
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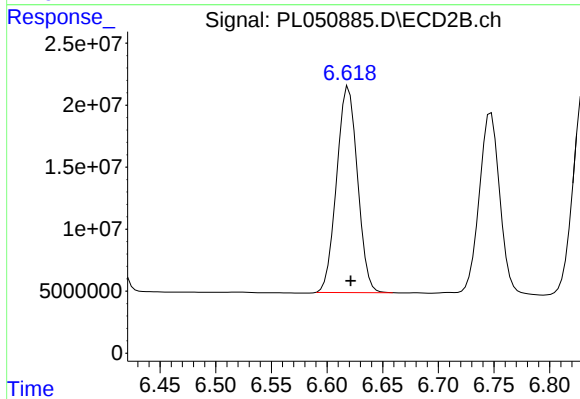
#13 Dieldrin

R.T.: 6.402 min  
Delta R.T.: -0.001 min  
Response: 242882244  
Conc: 68.59 ng/ml



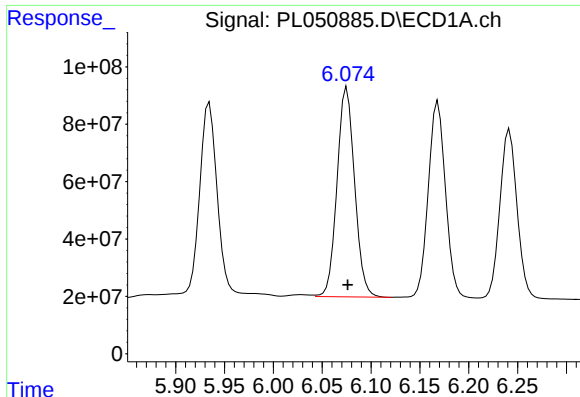
#14 Endrin

R.T.: 5.801 min  
Delta R.T.: 0.000 min  
Response: 1025295257  
Conc: 69.65 ng/ml



#14 Endrin

R.T.: 6.619 min  
Delta R.T.: -0.002 min  
Response: 216710626  
Conc: 69.87 ng/ml



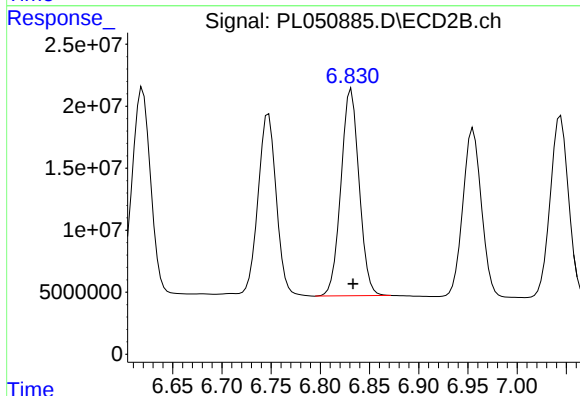
#15 Endosulfan II

R.T.: 6.075 min  
Delta R.T.: 0.000 min  
Response: 914915467  
Conc: 65.37 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-10MSD

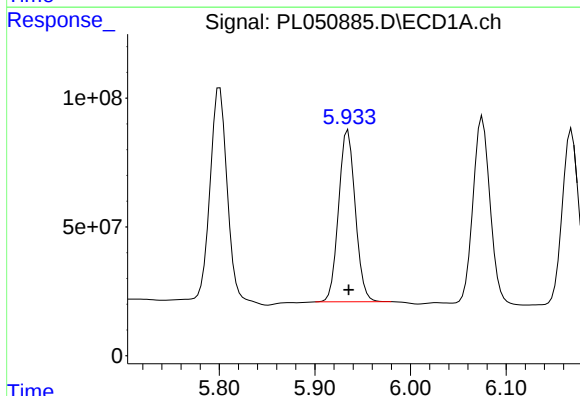
Manual Integrations  
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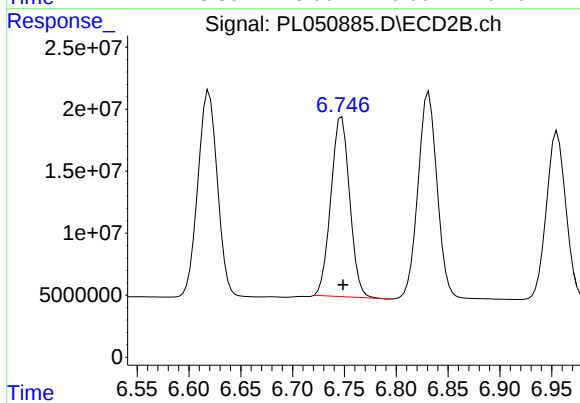
#15 Endosulfan II

R.T.: 6.832 min  
Delta R.T.: -0.002 min  
Response: 213888487  
Conc: 67.28 ng/ml



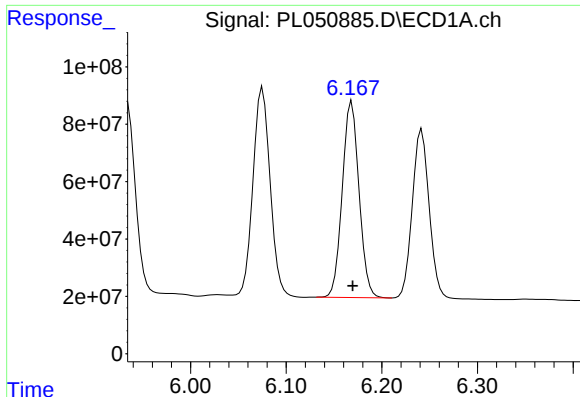
#16 4,4'-DDD

R.T.: 5.935 min  
Delta R.T.: 0.000 min  
Response: 809001082  
Conc: 67.51 ng/ml



#16 4,4'-DDD

R.T.: 6.747 min  
Delta R.T.: -0.001 min  
Response: 183262526  
Conc: 68.82 ng/ml



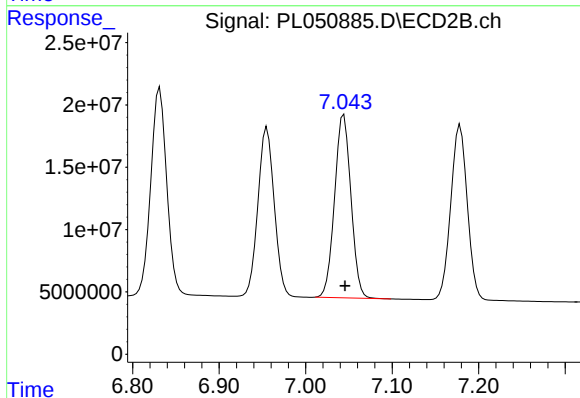
#17 4,4'-DDT

R.T.: 6.168 min  
Delta R.T.: -0.001 min  
Response: 834849207  
Conc: 67.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-10MSD

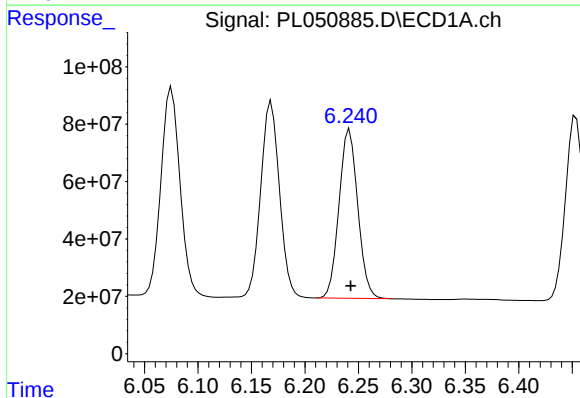
Manual Integrations  
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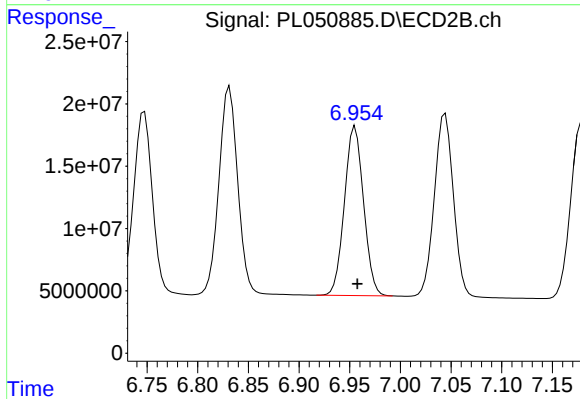
#17 4,4'-DDT

R.T.: 7.044 min  
Delta R.T.: -0.001 min  
Response: 191979719  
Conc: 71.11 ng/ml



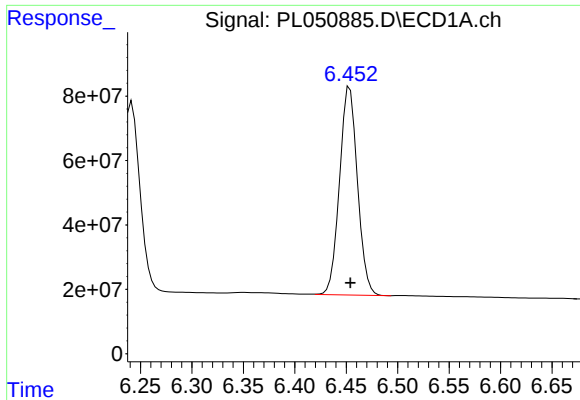
#18 Endrin aldehyde

R.T.: 6.242 min  
Delta R.T.: 0.000 min  
Response: 718946449  
Conc: 62.32 ng/ml



#18 Endrin aldehyde

R.T.: 6.954 min  
Delta R.T.: -0.003 min  
Response: 178058393  
Conc: 65.52 ng/ml m



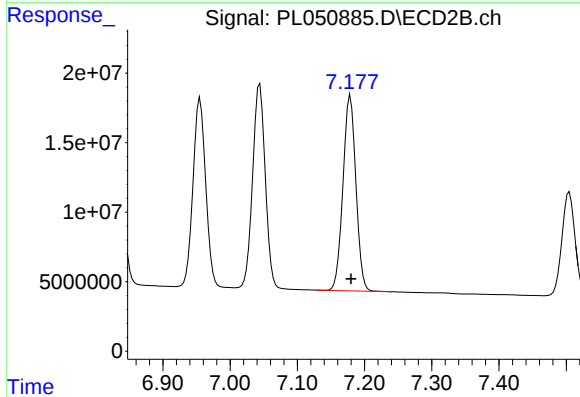
#19 Endosulfan Sulfate

R.T.: 6.453 min  
Delta R.T.: 0.000 min  
Response: 784660740  
Conc: 61.59 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-10MSD

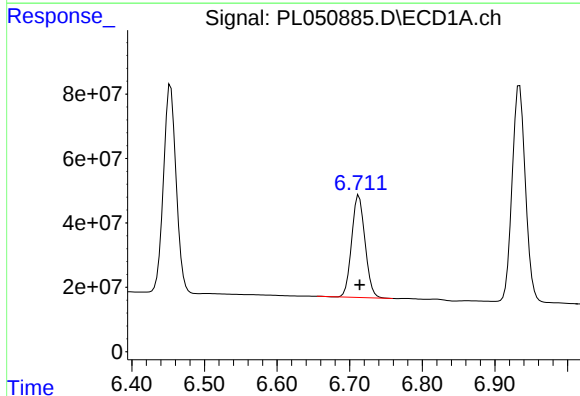
Manual Integrations  
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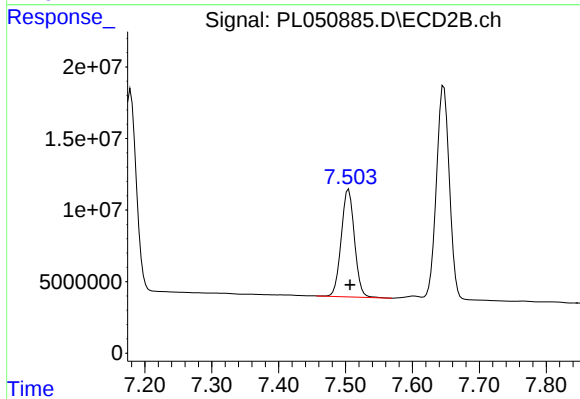
#19 Endosulfan Sulfate

R.T.: 7.179 min  
Delta R.T.: -0.001 min  
Response: 187527437  
Conc: 64.93 ng/ml



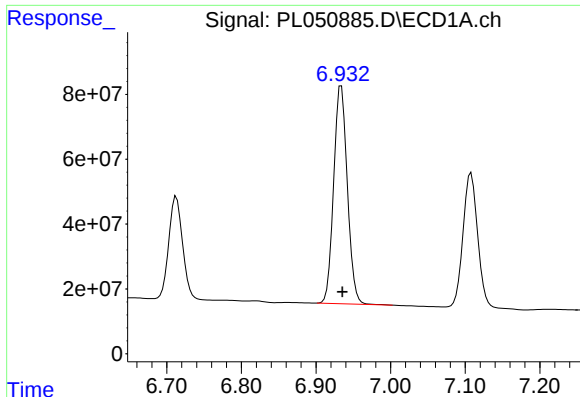
#20 Methoxychlor

R.T.: 6.713 min  
Delta R.T.: -0.001 min  
Response: 405259295  
Conc: 64.96 ng/ml



#20 Methoxychlor

R.T.: 7.505 min  
Delta R.T.: -0.002 min  
Response: 103472862  
Conc: 70.52 ng/ml



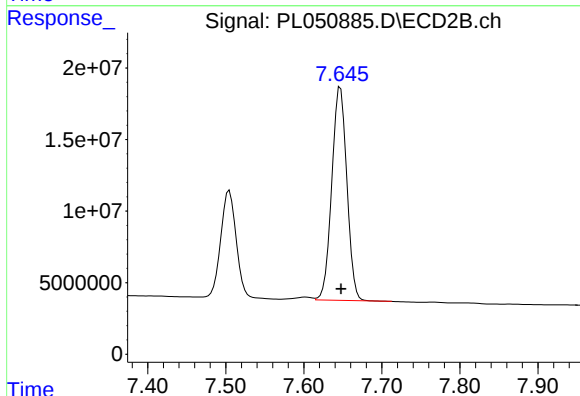
#21 Endrin ketone

R.T.: 6.934 min  
Delta R.T.: -0.002 min  
Response: 855758808  
Conc: 62.57 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-10MSD

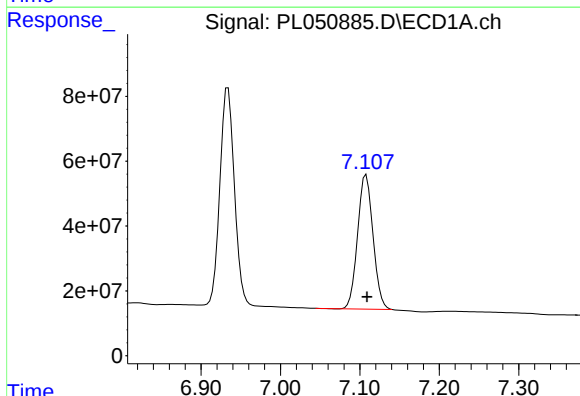
Manual Integrations  
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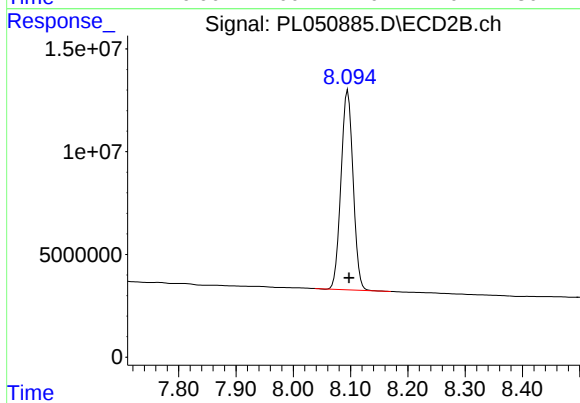
#21 Endrin ketone

R.T.: 7.647 min  
Delta R.T.: -0.001 min  
Response: 200192643  
Conc: 69.24 ng/ml



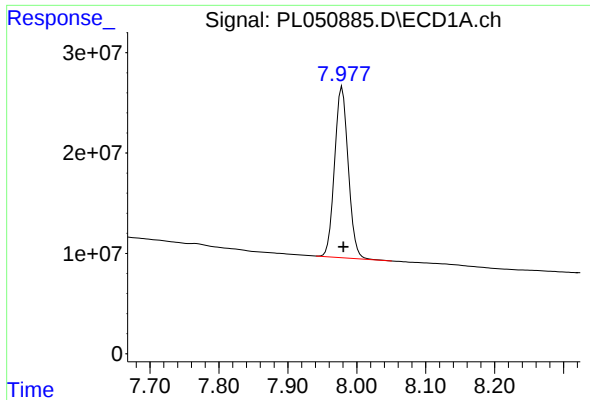
#22 Mirex

R.T.: 7.108 min  
Delta R.T.: -0.001 min  
Response: 557449954  
Conc: 56.86 ng/ml



#22 Mirex

R.T.: 8.095 min  
Delta R.T.: -0.002 min  
Response: 142293152  
Conc: 61.95 ng/ml



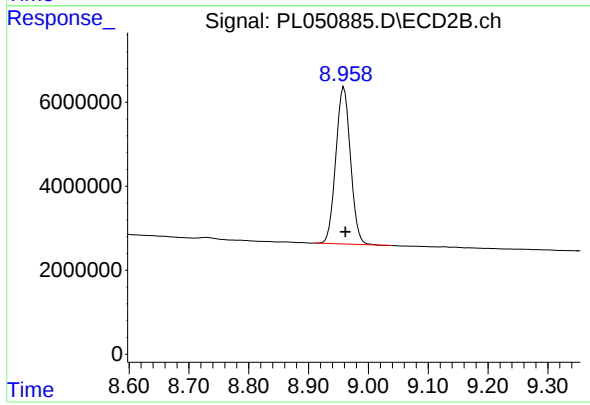
#28 Decachlorobiphenyl

R.T.: 7.979 min  
Delta R.T.: -0.002 min  
Response: 233749376  
Conc: 23.09 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-10MSD

Manual Integrations  
APPROVED

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#28 Decachlorobiphenyl

R.T.: 8.959 min  
Delta R.T.: -0.002 min  
Response: 63781466  
Conc: 22.55 ng/ml