

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL072018\  
 Data File : PL038382.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Jul 2018 19:17  
 Operator : AJ\SJ  
 Sample : J3820-06MS  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 BU-01-071918MS

Manual Integrations  
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Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jul 21 02:09:09 2018  
 Quant Method : Z:\PESTPCBSRV\HPCHEM1\ECD\_L\methods\PL071318.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Jul 14 00:12:12 2018  
 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 x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1  | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|---------|----------|---------|---------|
| -----                       |                 |       |       |         |          |         |         |
| System Monitoring Compounds |                 |       |       |         |          |         |         |
| 1)                          | SA Tetrachlo... | 3.327 | 3.928 | 132.0E6 | 54076396 | 17.727  | 20.601  |
| 28)                         | SA Decachlor... | 7.996 | 8.935 | 143.5E6 | 53429799 | 18.922  | 21.858  |
| Target Compounds            |                 |       |       |         |          |         |         |
| 2)                          | A alpha-BHC     | 3.756 | 4.308 | 607.6E6 | 232.1E6  | 51.428  | 59.985  |
| 3)                          | MA gamma-BHC... | 4.030 | 4.587 | 546.7E6 | 203.6E6  | 52.148m | 56.365  |
| 4)                          | MA Heptachlor   | 4.315 | 5.097 | 543.1E6 | 202.7E6  | 51.052  | 63.422  |
| 5)                          | MB Aldrin       | 4.554 | 5.399 | 537.4E6 | 184.4E6  | 51.337  | 59.752  |
| 6)                          | B beta-BHC      | 4.285 | 4.749 | 245.3E6 | 93477613 | 51.961  | 61.625  |
| 7)                          | B delta-BHC     | 4.479 | 4.963 | 498.6E6 | 183.3E6  | 45.934  | 55.266  |
| 8)                          | B Heptachlo...  | 4.991 | 5.779 | 496.7E6 | 167.8E6  | 52.676  | 59.031  |
| 9)                          | A Endosulfan I  | 5.322 | 6.132 | 462.1E6 | 147.2E6  | 53.422  | 57.249  |
| 10)                         | B gamma-Chl...  | 5.213 | 6.012 | 515.1E6 | 165.3E6  | 52.111  | 57.000  |
| 11)                         | B alpha-Chl...  | 5.270 | 6.085 | 496.0E6 | 164.1E6  | 52.403  | 57.269  |
| 12)                         | B 4,4'-DDE      | 5.439 | 6.240 | 497.9E6 | 154.6E6  | 51.928  | 57.800m |
| 13)                         | MA Dieldrin     | 5.560 | 6.386 | 514.5E6 | 158.4E6  | 53.541m | 58.198  |
| 14)                         | MA Endrin       | 5.814 | 6.600 | 455.1E6 | 134.8E6  | 52.378  | 56.459  |
| 15)                         | B Endosulfa...  | 6.088 | 6.803 | 424.0E6 | 134.6E6  | 53.467m | 56.031  |
| 16)                         | A 4,4'-DDD      | 5.950 | 6.723 | 406.2E6 | 120.8E6  | 55.367  | 56.452  |
| 17)                         | MA 4,4'-DDT     | 6.184 | 7.022 | 371.6E6 | 116.3E6  | 50.016  | 54.537  |
| 18)                         | B Endrin al...  | 6.257 | 6.926 | 335.9E6 | 115.3E6  | 52.751  | 59.063  |
| 19)                         | B Endosulfa...  | 6.468 | 7.147 | 394.5E6 | 125.2E6  | 52.229  | 57.443m |
| 20)                         | A Methoxychlor  | 6.732 | 7.477 | 195.4E6 | 65895158 | 50.779  | 57.870  |
| 21)                         | B Endrin ke...  | 6.950 | 7.611 | 439.9E6 | 136.8E6  | 56.072m | 57.374m |
| -----                       |                 |       |       |         |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL072018\  
Data File : PL038382.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Jul 2018 19:17  
Operator : AJ\SJ  
Sample : J3820-06MS  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

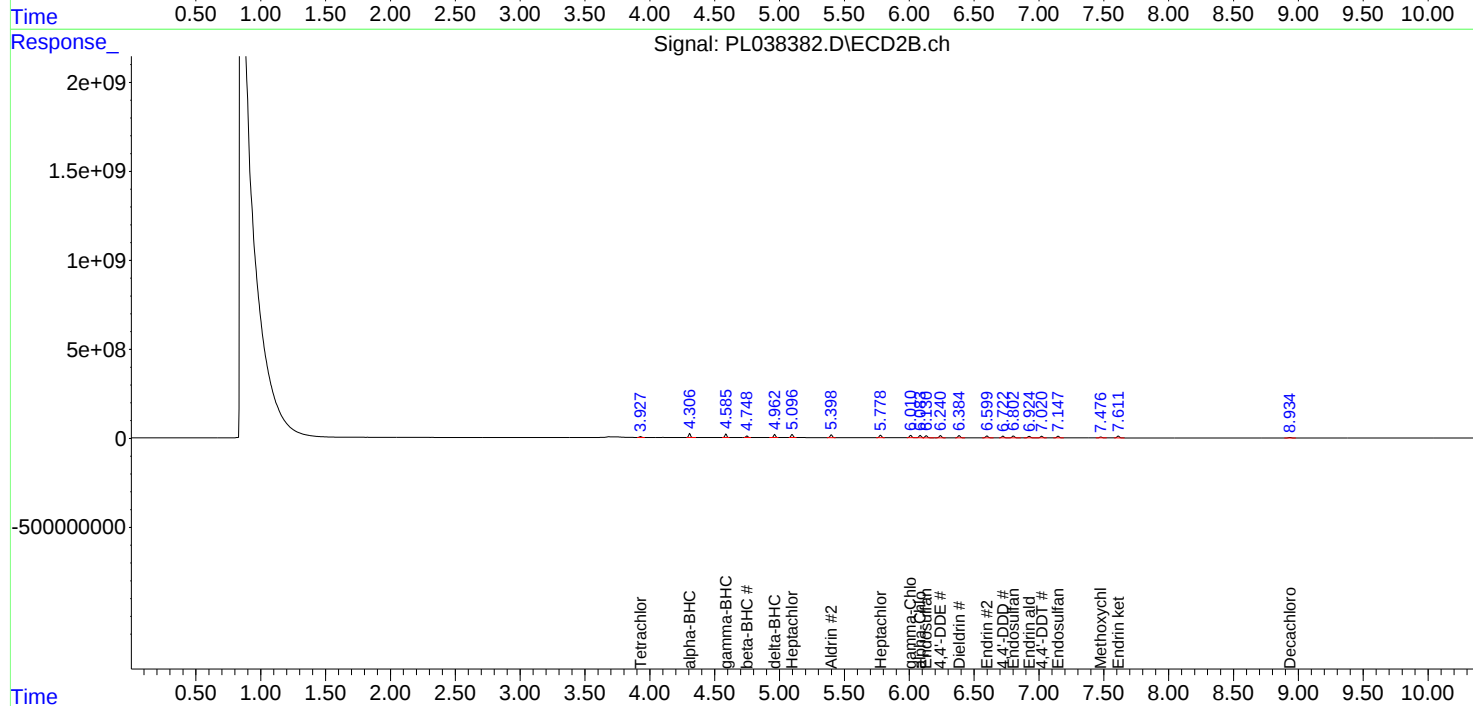
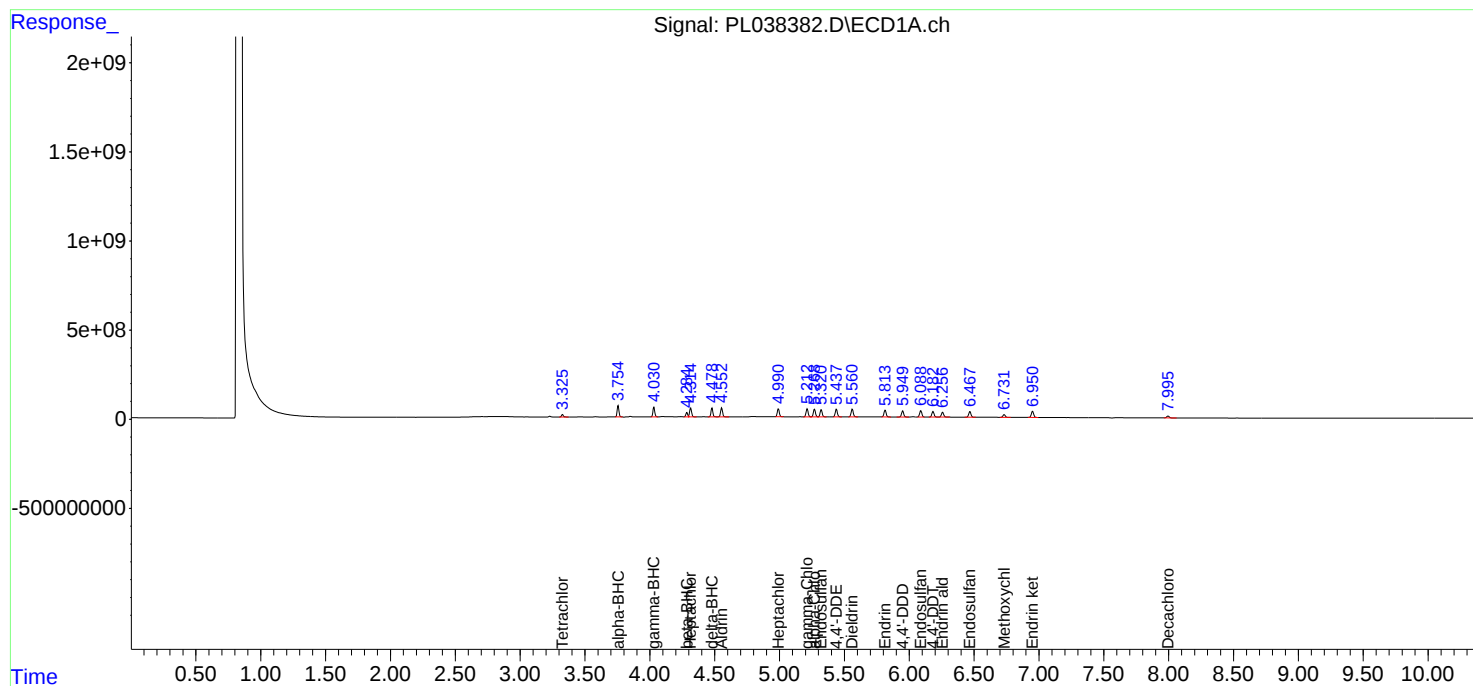
Instrument :  
ECD\_L  
ClientSampleId :  
BU-01-071918MS

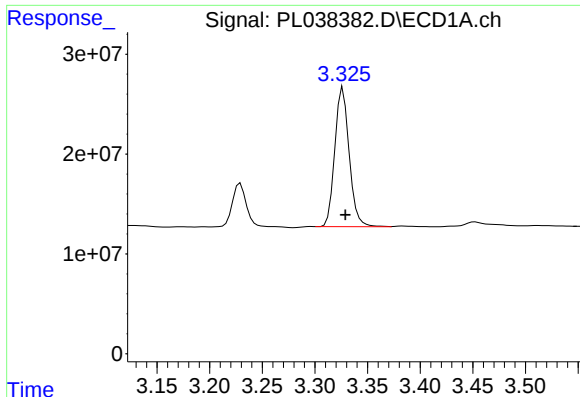
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jul 21 02:09:09 2018  
Quant Method : Z:\PESTPCBSRV\HPCHEM1\ECD\_L\methods\PL071318.M  
Quant Title : GC Extractables  
QLast Update : Sat Jul 14 00:12:12 2018  
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 x0.25µm





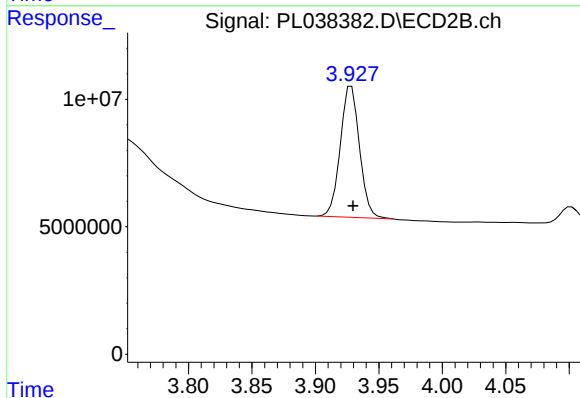
#1 Tetrachloro-m-xylene

R.T.: 3.327 min  
Delta R.T.: -0.002 min  
Response: 132005959  
Conc: 17.73 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
BU-01-071918MS

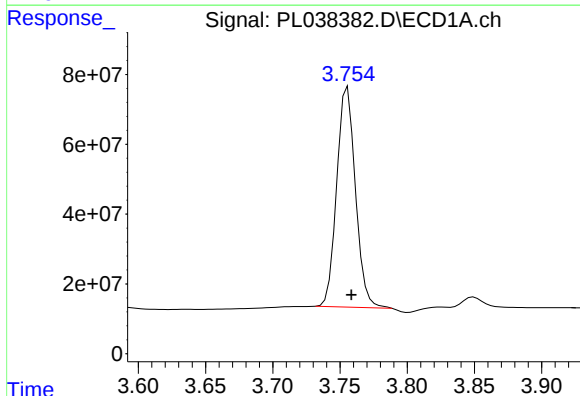
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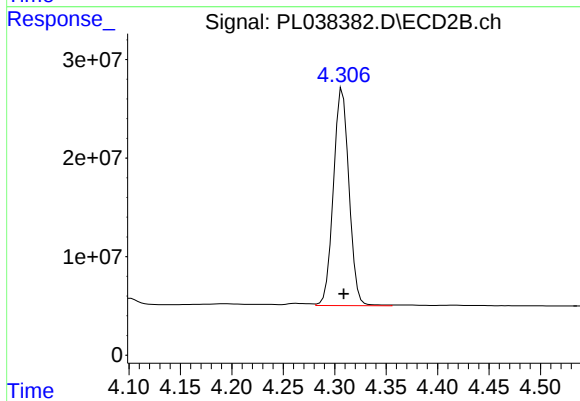
#1 Tetrachloro-m-xylene

R.T.: 3.928 min  
Delta R.T.: -0.001 min  
Response: 54076396  
Conc: 20.60 ng/ml



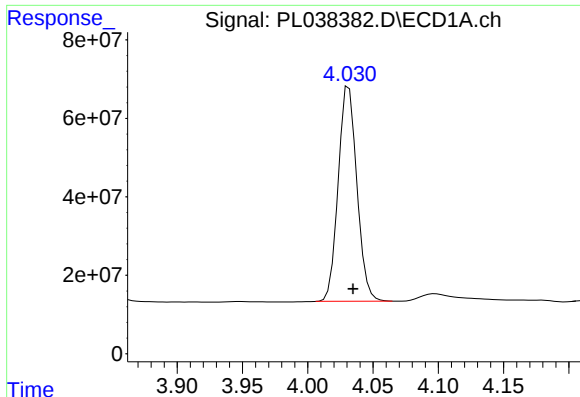
#2 alpha-BHC

R.T.: 3.756 min  
Delta R.T.: -0.003 min  
Response: 607647155  
Conc: 51.43 ng/ml



#2 alpha-BHC

R.T.: 4.308 min  
Delta R.T.: 0.000 min  
Response: 232149280  
Conc: 59.98 ng/ml



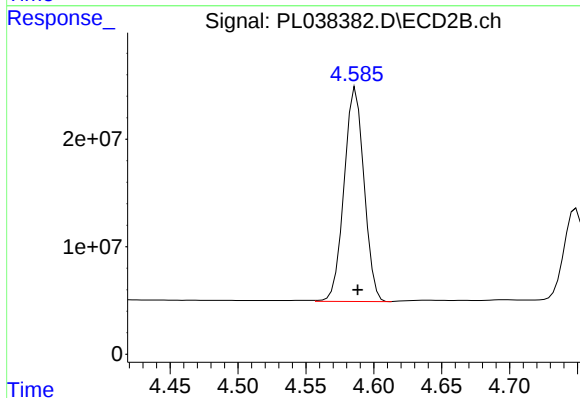
#3 gamma-BHC (Lindane)

R.T.: 4.030 min  
Delta R.T.: -0.004 min  
Response: 546705053  
Conc: 52.15 ng/ml m

Instrument :  
ECD\_L  
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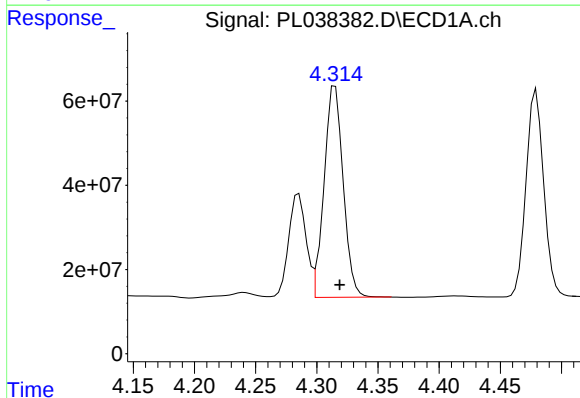
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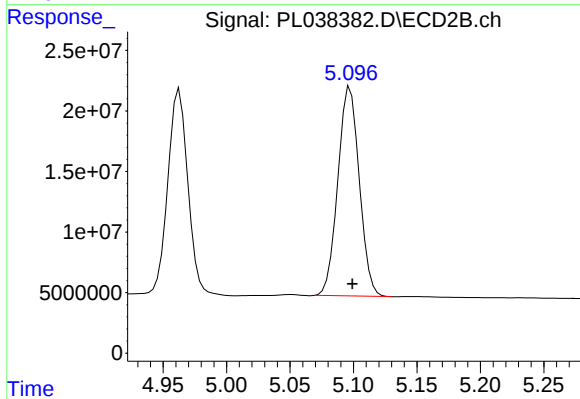
#3 gamma-BHC (Lindane)

R.T.: 4.587 min  
Delta R.T.: -0.001 min  
Response: 203576984  
Conc: 56.36 ng/ml



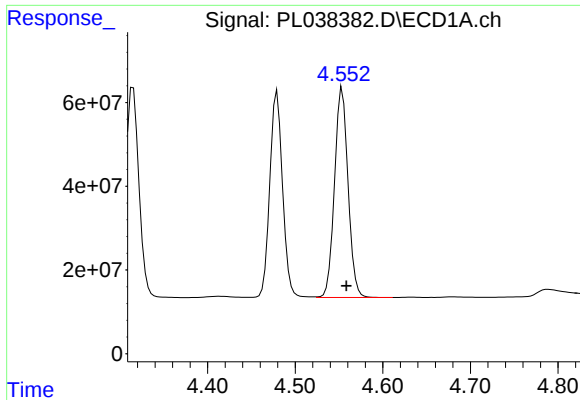
#4 Heptachlor

R.T.: 4.315 min  
Delta R.T.: -0.004 min  
Response: 543062342  
Conc: 51.05 ng/ml



#4 Heptachlor

R.T.: 5.097 min  
Delta R.T.: -0.002 min  
Response: 202712063  
Conc: 63.42 ng/ml



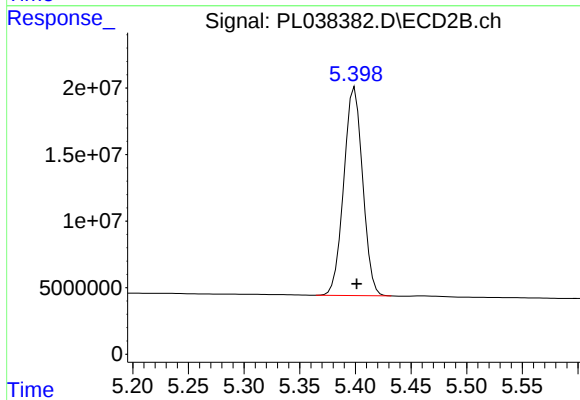
#5 Aldrin

R.T.: 4.554 min  
Delta R.T.: -0.005 min  
Response: 537358059  
Conc: 51.34 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
BU-01-071918MS

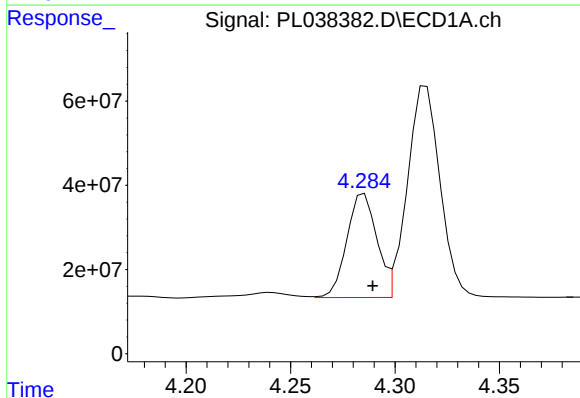
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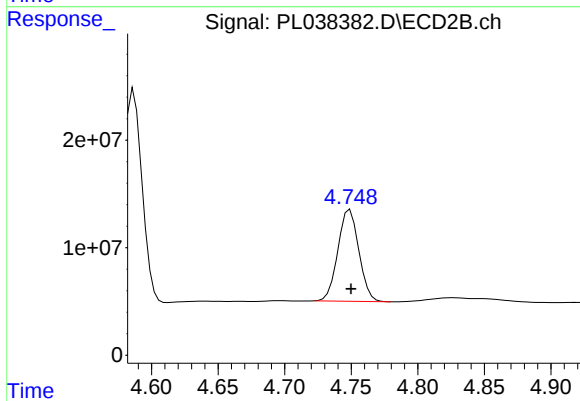
#5 Aldrin

R.T.: 5.399 min  
Delta R.T.: -0.002 min  
Response: 184407211  
Conc: 59.75 ng/ml



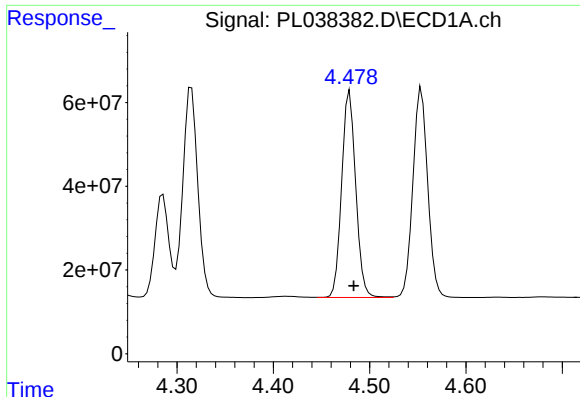
#6 beta-BHC

R.T.: 4.285 min  
Delta R.T.: -0.004 min  
Response: 245274494  
Conc: 51.96 ng/ml



#6 beta-BHC

R.T.: 4.749 min  
Delta R.T.: 0.000 min  
Response: 93477613  
Conc: 61.62 ng/ml



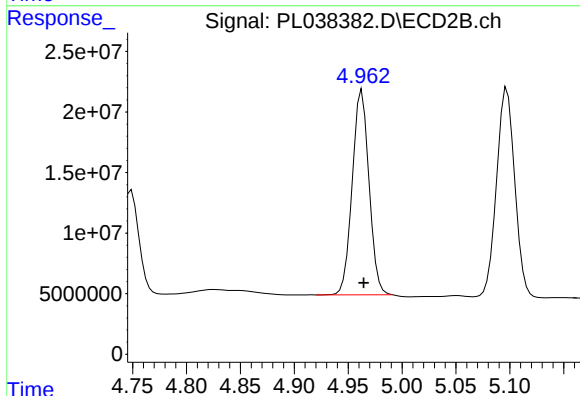
#7 delta-BHC

R.T.: 4.479 min  
Delta R.T.: -0.004 min  
Response: 498574522  
Conc: 45.93 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
BU-01-071918MS

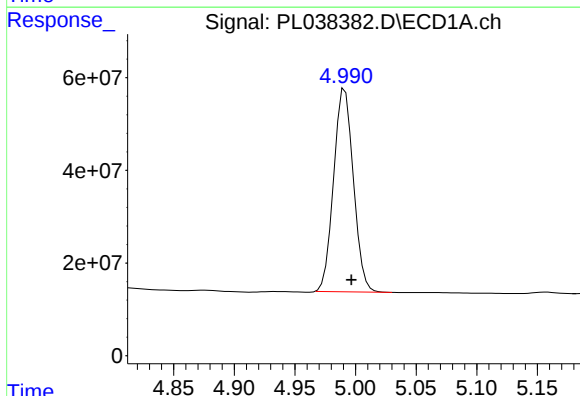
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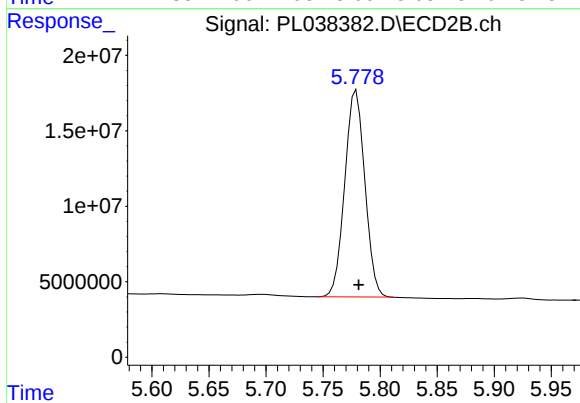
#7 delta-BHC

R.T.: 4.963 min  
Delta R.T.: -0.001 min  
Response: 183295955  
Conc: 55.27 ng/ml



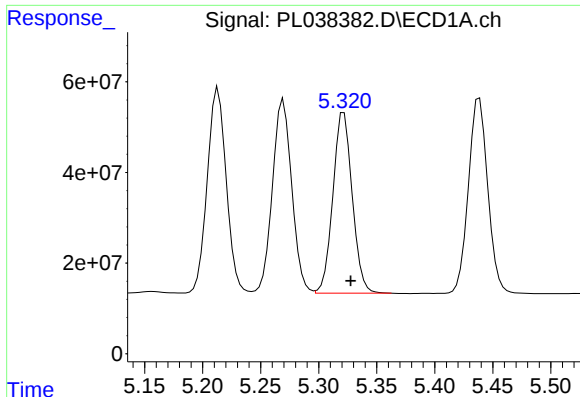
#8 Heptachlor epoxide

R.T.: 4.991 min  
Delta R.T.: -0.005 min  
Response: 496653548  
Conc: 52.68 ng/ml



#8 Heptachlor epoxide

R.T.: 5.779 min  
Delta R.T.: -0.002 min  
Response: 167759310  
Conc: 59.03 ng/ml



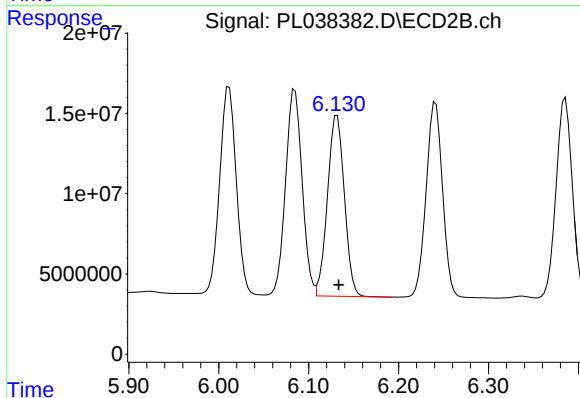
#9 Endosulfan I

R.T.: 5.322 min  
Delta R.T.: -0.006 min  
Response: 462081432  
Conc: 53.42 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
BU-01-071918MS

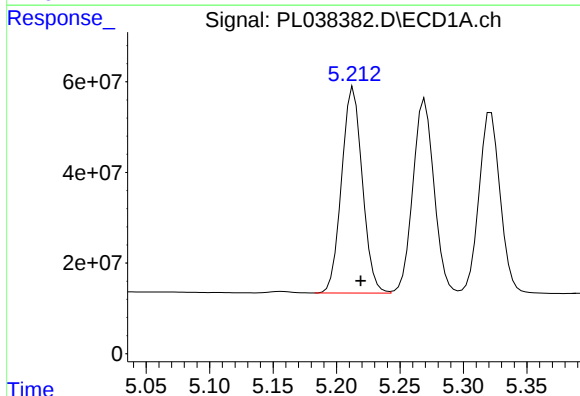
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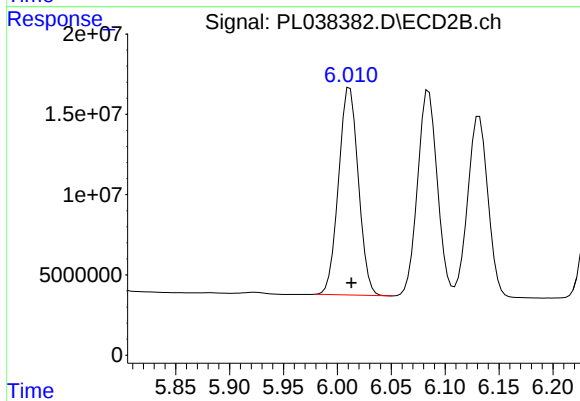
#9 Endosulfan I

R.T.: 6.132 min  
Delta R.T.: -0.002 min  
Response: 147230997  
Conc: 57.25 ng/ml



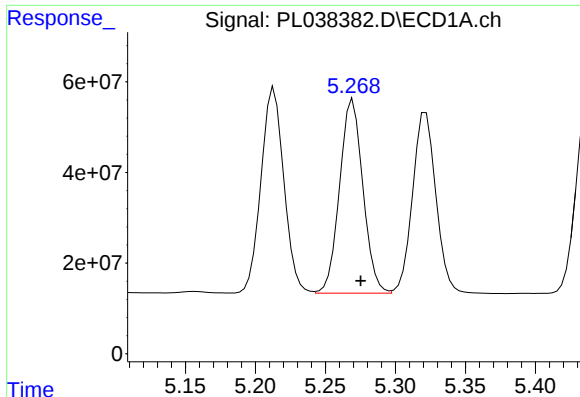
#10 gamma-Chlordane

R.T.: 5.213 min  
Delta R.T.: -0.006 min  
Response: 515060581  
Conc: 52.11 ng/ml



#10 gamma-Chlordane

R.T.: 6.012 min  
Delta R.T.: -0.002 min  
Response: 165257000  
Conc: 57.00 ng/ml



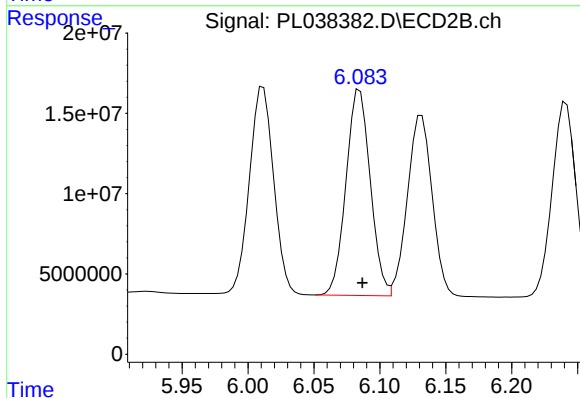
#11 alpha-Chlordane

R.T.: 5.270 min  
Delta R.T.: -0.006 min  
Response: 496034273  
Conc: 52.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
BU-01-071918MS

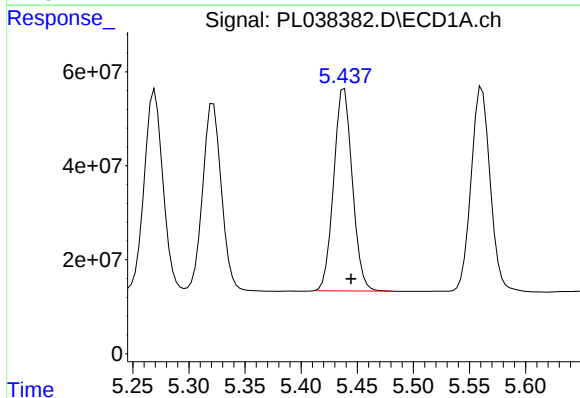
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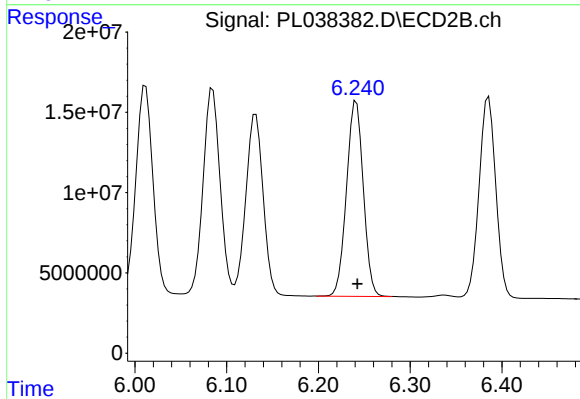
#11 alpha-Chlordane

R.T.: 6.085 min  
Delta R.T.: -0.002 min  
Response: 164146132  
Conc: 57.27 ng/ml



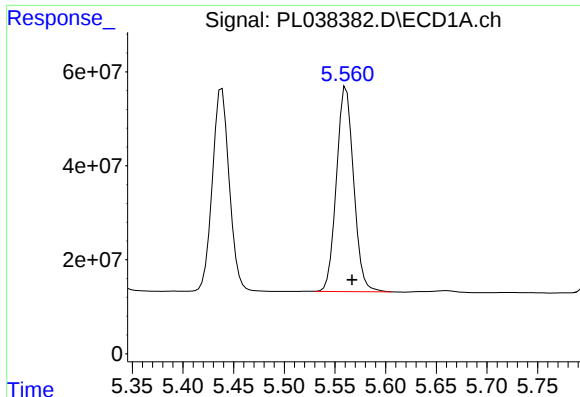
#12 4,4'-DDE

R.T.: 5.439 min  
Delta R.T.: -0.006 min  
Response: 497879751  
Conc: 51.93 ng/ml



#12 4,4'-DDE

R.T.: 6.240 min  
Delta R.T.: -0.003 min  
Response: 154560847  
Conc: 57.80 ng/ml m



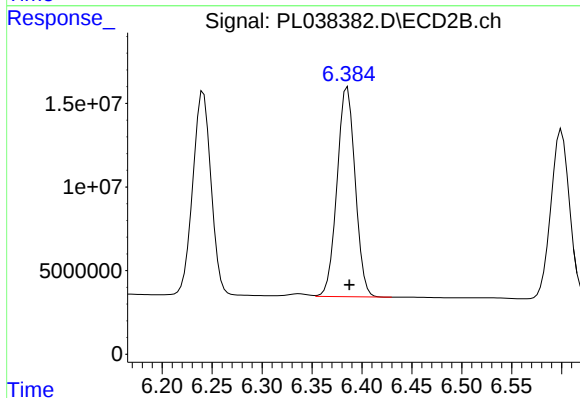
#13 Dieldrin

R.T.: 5.560 min  
Delta R.T.: -0.007 min  
Response: 514541180  
Conc: 53.54 ng/ml m

Instrument :  
ECD\_L  
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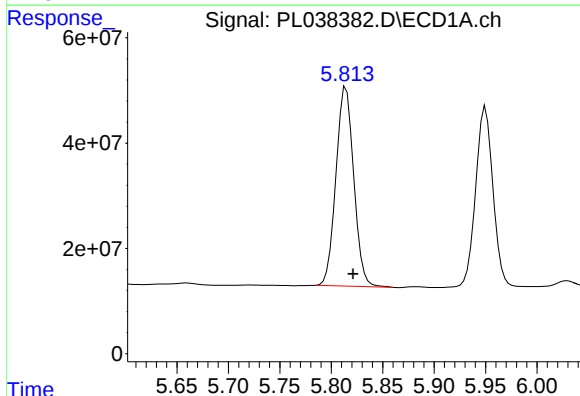
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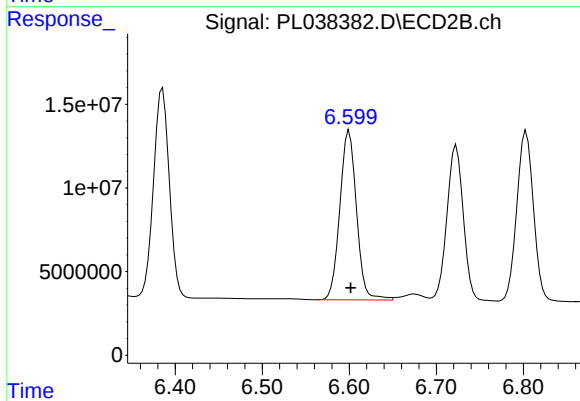
#13 Dieldrin

R.T.: 6.386 min  
Delta R.T.: -0.002 min  
Response: 158402623  
Conc: 58.20 ng/ml



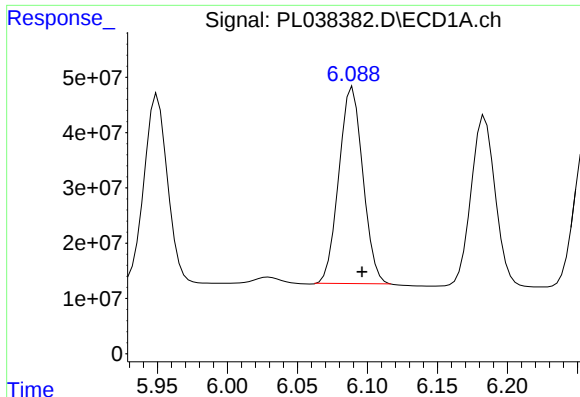
#14 Endrin

R.T.: 5.814 min  
Delta R.T.: -0.007 min  
Response: 455082961  
Conc: 52.38 ng/ml



#14 Endrin

R.T.: 6.600 min  
Delta R.T.: -0.002 min  
Response: 134831500  
Conc: 56.46 ng/ml



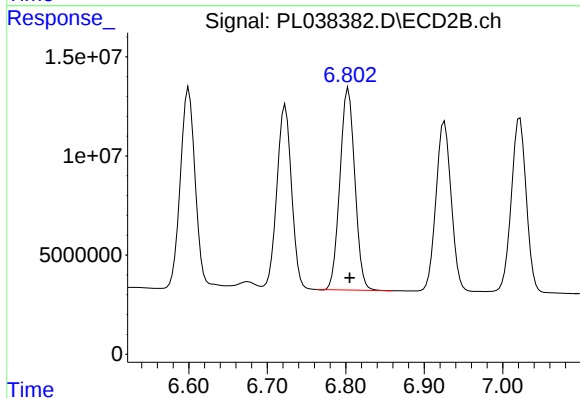
#15 Endosulfan II

R.T.: 6.088 min  
Delta R.T.: -0.008 min  
Response: 423996021  
Conc: 53.47 ng/ml m

Instrument :  
ECD\_L  
ClientSampleId :  
BU-01-071918MS

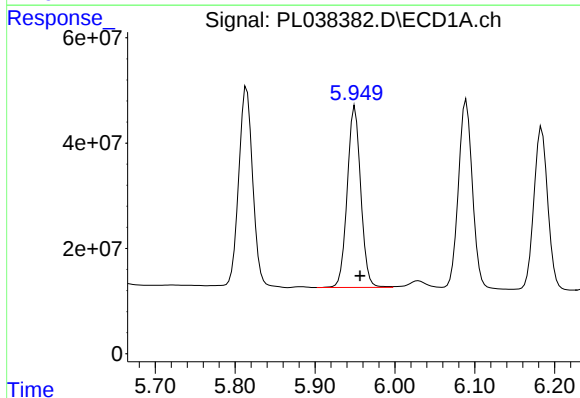
Manual Integrations  
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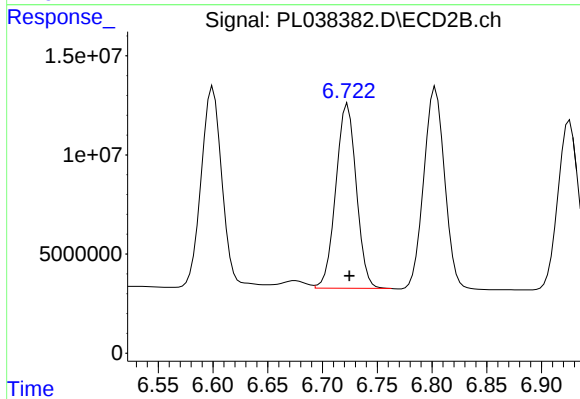
#15 Endosulfan II

R.T.: 6.803 min  
Delta R.T.: -0.002 min  
Response: 134552462  
Conc: 56.03 ng/ml



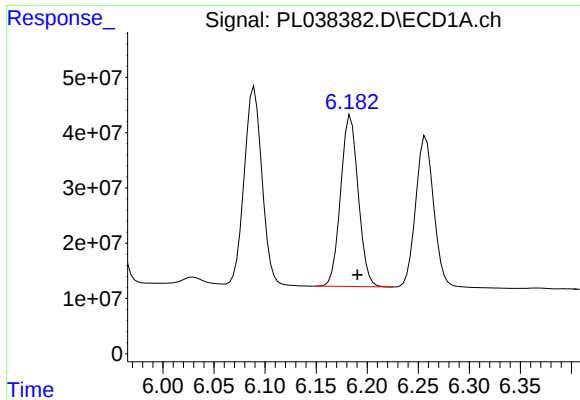
#16 4,4'-DDD

R.T.: 5.950 min  
Delta R.T.: -0.006 min  
Response: 406153723  
Conc: 55.37 ng/ml



#16 4,4'-DDD

R.T.: 6.723 min  
Delta R.T.: -0.001 min  
Response: 120830948  
Conc: 56.45 ng/ml



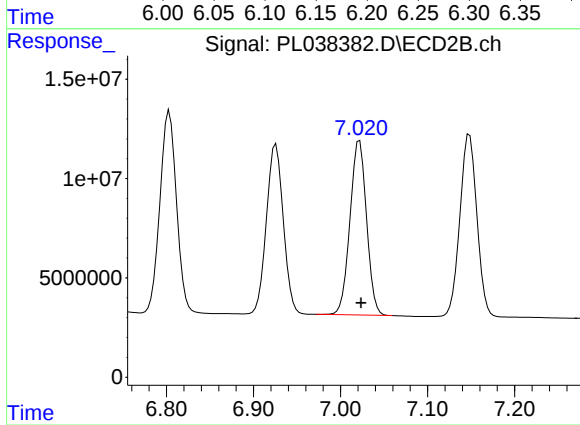
#17 4,4'-DDT

R.T.: 6.184 min  
Delta R.T.: -0.007 min  
Response: 371550896  
Conc: 50.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
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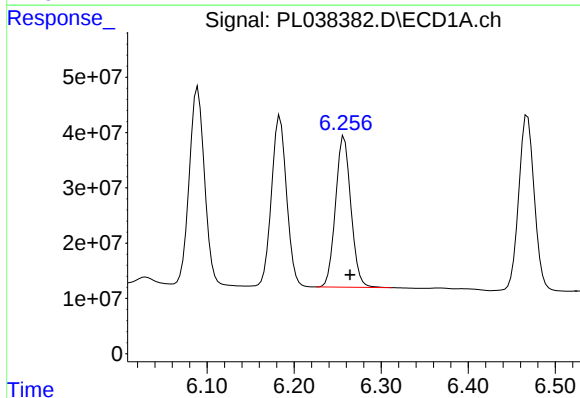
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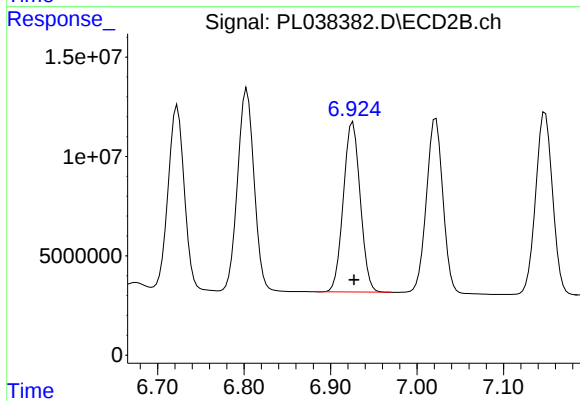
#17 4,4'-DDT

R.T.: 7.022 min  
Delta R.T.: -0.002 min  
Response: 116275627  
Conc: 54.54 ng/ml



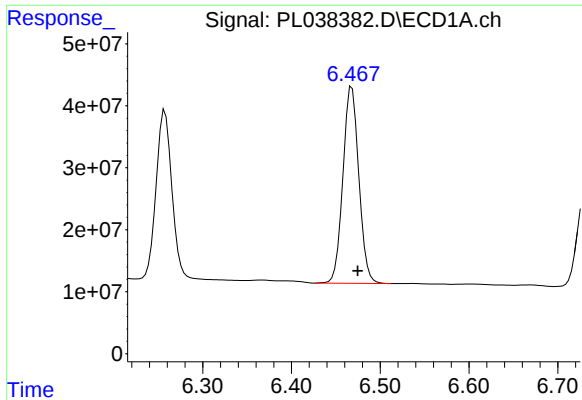
#18 Endrin aldehyde

R.T.: 6.257 min  
Delta R.T.: -0.007 min  
Response: 335895345  
Conc: 52.75 ng/ml



#18 Endrin aldehyde

R.T.: 6.926 min  
Delta R.T.: -0.001 min  
Response: 115253880  
Conc: 59.06 ng/ml



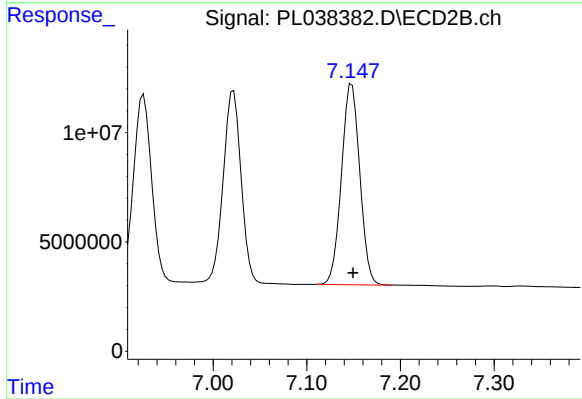
#19 Endosulfan Sulfate

R.T.: 6.468 min  
Delta R.T.: -0.007 min  
Response: 394503386  
Conc: 52.23 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
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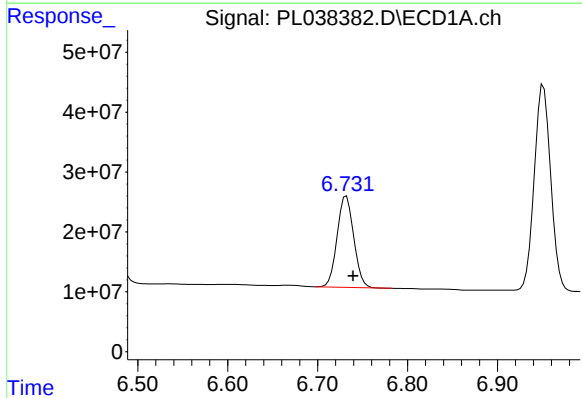
Manual Integrations  
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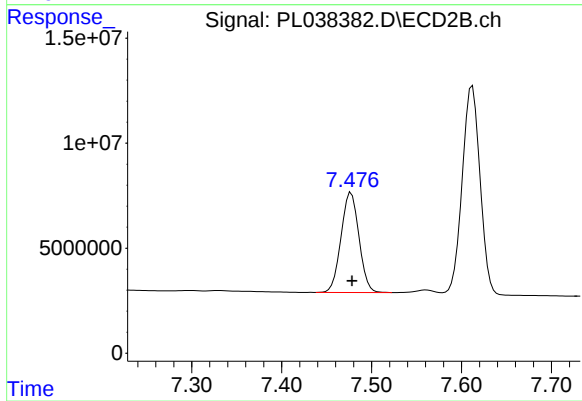
#19 Endosulfan Sulfate

R.T.: 7.147 min  
Delta R.T.: -0.003 min  
Response: 125214050  
Conc: 57.44 ng/ml m



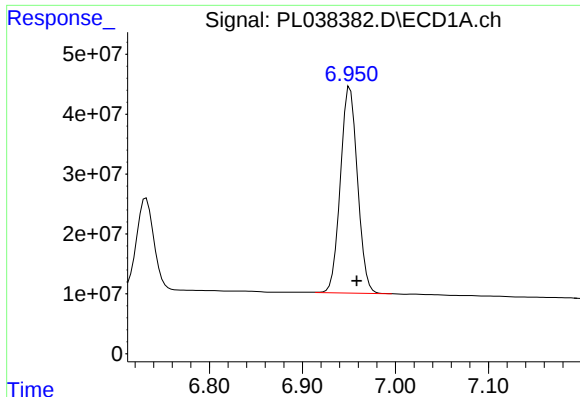
#20 Methoxychlor

R.T.: 6.732 min  
Delta R.T.: -0.007 min  
Response: 195371270  
Conc: 50.78 ng/ml



#20 Methoxychlor

R.T.: 7.477 min  
Delta R.T.: 0.000 min  
Response: 65895158  
Conc: 57.87 ng/ml



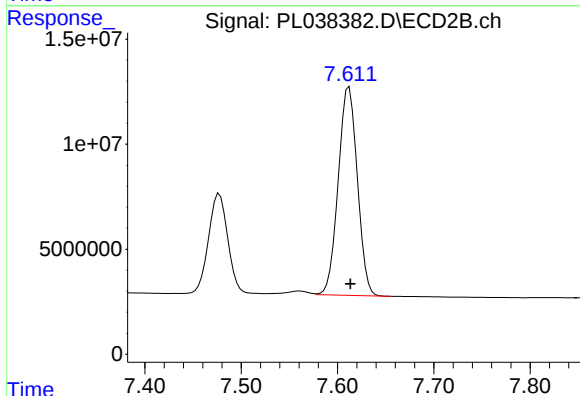
#21 Endrin ketone

R.T.: 6.950 min  
Delta R.T.: -0.009 min  
Response: 439936223  
Conc: 56.07 ng/ml m

Instrument :  
ECD\_L  
ClientSampleId :  
BU-01-071918MS

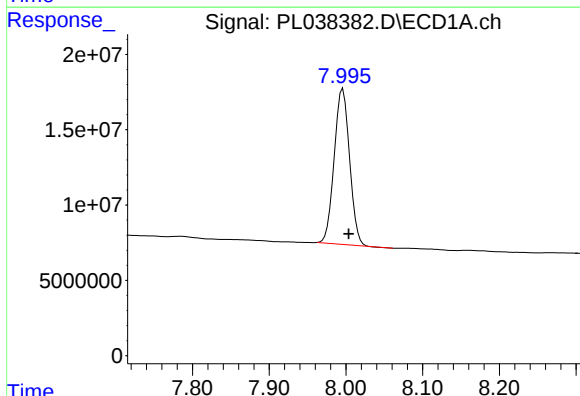
Manual Integrations  
APPROVED

Sohil  
7/21/2018 11:45:35 AM



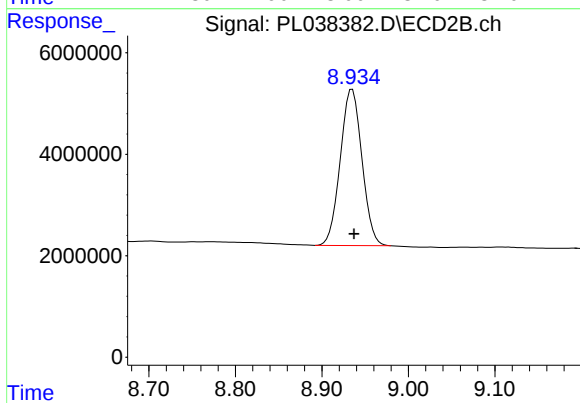
#21 Endrin ketone

R.T.: 7.611 min  
Delta R.T.: -0.003 min  
Response: 136752357  
Conc: 57.37 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.996 min  
Delta R.T.: -0.008 min  
Response: 143539598  
Conc: 18.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.935 min  
Delta R.T.: -0.002 min  
Response: 53429799  
Conc: 21.86 ng/ml