

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV083018\  
 Data File : VV007273.D  
 Acq On : 30 Aug 2018 20:19  
 Operator : SY/MD  
 Sample : J4650-12  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAB87

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.1

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR083018WMA.M

Title : TRACE VOA SOM01.0

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.029       | 29            | 43          | 68           | rBV      | 3510440        | 4231088       | 100.00%         | 10.278%       |
| 2         | 1.254       | 108           | 113         | 125          | rVB      | 90198          | 135839        | 3.21%           | 0.330%        |
| 3         | 1.318       | 126           | 133         | 151          | rVB      | 179544         | 211422        | 5.00%           | 0.514%        |
| 4         | 1.537       | 195           | 201         | 209          | rBV      | 99925          | 108471        | 2.56%           | 0.263%        |
| 5         | 1.585       | 209           | 216         | 226          | rVB      | 140511         | 155690        | 3.68%           | 0.378%        |
| 6         | 1.771       | 265           | 274         | 286          | rVB      | 408965         | 527551        | 12.47%          | 1.281%        |
| 7         | 2.135       | 376           | 387         | 400          | rBV3     | 439844         | 739149        | 17.47%          | 1.795%        |
| 8         | 2.212       | 400           | 411         | 434          | rVV      | 118560         | 288132        | 6.81%           | 0.700%        |
| 9         | 2.321       | 435           | 445         | 458          | rVB      | 217240         | 315584        | 7.46%           | 0.767%        |
| 10        | 2.537       | 503           | 512         | 533          | rVB2     | 115713         | 188692        | 4.46%           | 0.458%        |
| 11        | 2.816       | 584           | 599         | 624          | rVB      | 359179         | 754278        | 17.83%          | 1.832%        |
| 12        | 3.231       | 713           | 728         | 748          | rVB      | 361356         | 747182        | 17.66%          | 1.815%        |
| 13        | 3.971       | 940           | 958         | 970          | rBV2     | 133663         | 386881        | 9.14%           | 0.940%        |
| 14        | 4.054       | 971           | 984         | 1021         | rVB      | 303769         | 924778        | 21.86%          | 2.246%        |
| 15        | 4.408       | 1077          | 1094        | 1117         | rVB      | 209350         | 502936        | 11.89%          | 1.222%        |
| 16        | 4.662       | 1152          | 1173        | 1182         | rBV      | 364772         | 893252        | 21.11%          | 2.170%        |
| 17        | 4.726       | 1182          | 1193        | 1220         | rVB      | 691389         | 1669793       | 39.46%          | 4.056%        |
| 18        | 5.099       | 1291          | 1309        | 1325         | rBV2     | 528406         | 1208586       | 28.56%          | 2.936%        |
| 19        | 5.189       | 1325          | 1337        | 1359         | rVB      | 190580         | 406189        | 9.60%           | 0.987%        |
| 20        | 5.668       | 1471          | 1486        | 1506         | rBV      | 352657         | 685179        | 16.19%          | 1.664%        |
| 21        | 5.964       | 1561          | 1578        | 1599         | rBV      | 324896         | 623431        | 14.73%          | 1.514%        |
| 22        | 6.125       | 1611          | 1628        | 1635         | rBV      | 281751         | 551254        | 13.03%          | 1.339%        |
| 23        | 6.179       | 1635          | 1645        | 1655         | rVV      | 528135         | 1108618       | 26.20%          | 2.693%        |
| 24        | 6.228       | 1656          | 1660        | 1684         | rVB2     | 127232         | 210925        | 4.99%           | 0.512%        |
| 25        | 7.035       | 1897          | 1911        | 1936         | rBV      | 127729         | 232581        | 5.50%           | 0.565%        |
| 26        | 7.366       | 1999          | 2014        | 2025         | rBV      | 523796         | 904769        | 21.38%          | 2.198%        |
| 27        | 7.437       | 2025          | 2036        | 2061         | rVB      | 1063286        | 1788852       | 42.28%          | 4.345%        |
| 28        | 7.668       | 2096          | 2108        | 2128         | rBV      | 82241          | 143337        | 3.39%           | 0.348%        |
| 29        | 8.022       | 2200          | 2218        | 2244         | rVB      | 673046         | 1121563       | 26.51%          | 2.724%        |
| 30        | 8.147       | 2244          | 2257        | 2265         | rBV2     | 480022         | 952804        | 22.52%          | 2.314%        |
| 31        | 8.195       | 2265          | 2272        | 2298         | rVB      | 695274         | 1258794       | 29.75%          | 3.058%        |
| 32        | 8.401       | 2324          | 2336        | 2356         | rVB      | 335689         | 570360        | 13.48%          | 1.385%        |
| 33        | 8.903       | 2478          | 2492        | 2494         | rBV      | 562842         | 777205        | 18.37%          | 1.888%        |
| 34        | 8.929       | 2494          | 2500        | 2518         | rVV      | 1198342        | 1980223       | 46.80%          | 4.810%        |

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MSVOA\_V  
ClientSampleId :  
GAB87

Integration Parameters: rteint.p  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.1 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR083018WMA.M  
Title : TRACE VOA SOM01.0

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 9.025  | 2518 | 2530 | 2534 | rVV  | 415683  | 660565  | 15.61% | 1.605% |
| 36 | 9.060  | 2534 | 2541 | 2566 | rVV  | 909076  | 1451321 | 34.30% | 3.525% |
| 37 | 9.189  | 2568 | 2581 | 2619 | rVB  | 1885876 | 2868252 | 67.79% | 6.967% |
| 38 | 9.601  | 2690 | 2709 | 2742 | rBV5 | 944604  | 2093562 | 49.48% | 5.086% |
| 39 | 9.781  | 2755 | 2765 | 2779 | rVB2 | 109243  | 179449  | 4.24%  | 0.436% |
| 40 | 9.980  | 2812 | 2827 | 2850 | rBV  | 456109  | 717587  | 16.96% | 1.743% |
| 41 | 10.266 | 2904 | 2916 | 2933 | rBV  | 202462  | 321300  | 7.59%  | 0.780% |
| 42 | 11.301 | 3225 | 3238 | 3241 | rBV  | 512011  | 758079  | 17.92% | 1.841% |
| 43 | 11.694 | 3342 | 3360 | 3387 | rBV2 | 1335038 | 2681884 | 63.39% | 6.515% |
| 44 | 12.481 | 3593 | 3605 | 3617 | rBV2 | 43268   | 69573   | 1.64%  | 0.169% |
| 45 | 12.697 | 3660 | 3672 | 3690 | rBV  | 549258  | 848383  | 20.05% | 2.061% |
| 46 | 13.800 | 4002 | 4015 | 4032 | rBV  | 773927  | 1211499 | 28.63% | 2.943% |

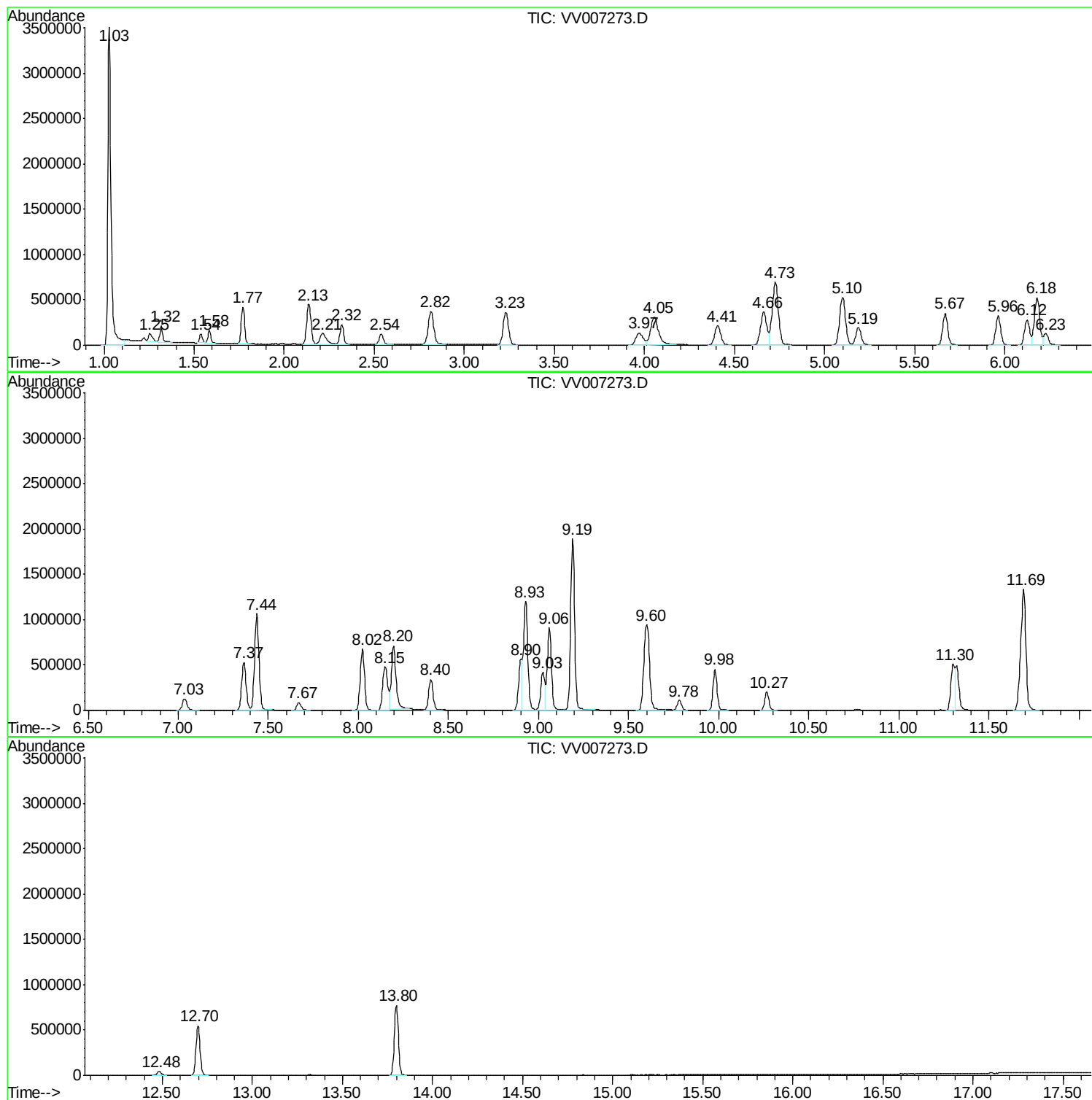
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MSVOA\_V  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR083018WMA.M  
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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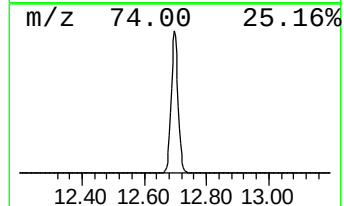
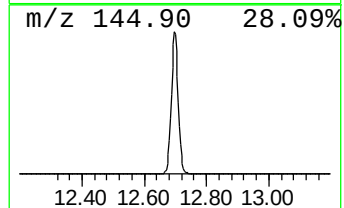
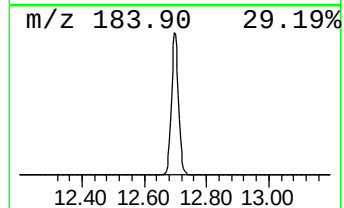
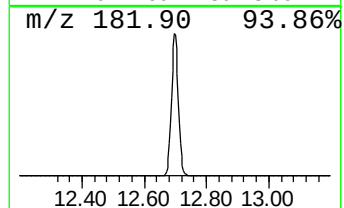
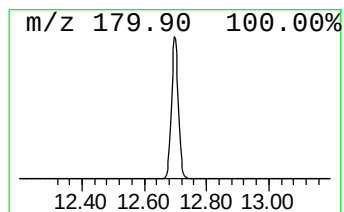
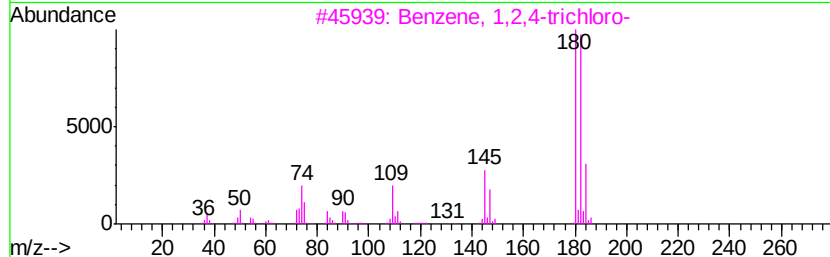
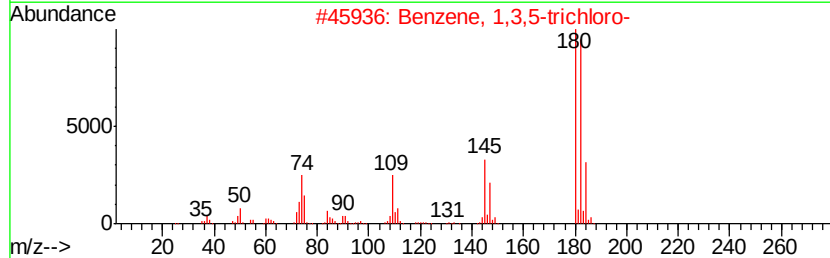
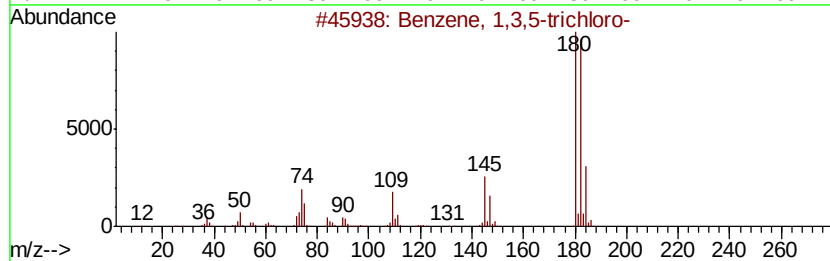
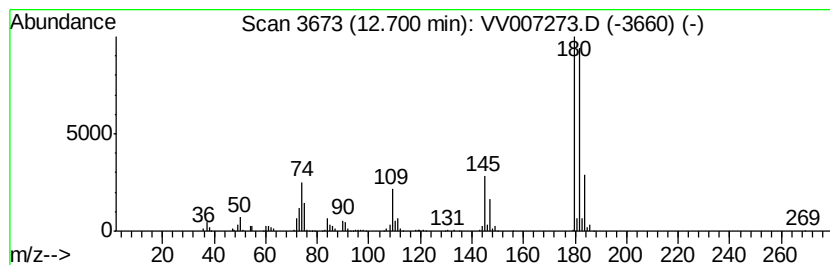
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR083018WMA.M  
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzene, 1,3,5-trichloro- Concentration Rank 3

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 12.70 | 5.60 ug/L | 848383 | 1,4-Dichlorobenzene-d4 | 11.30 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 98   |
| 2    |    | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 98   |
| 3    |    | Benzene, 1,2,4-trichloro- | 180 | C6H3Cl3 | 000120-82-1 | 98   |
| 4    |    | Benzene, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 97   |
| 5    |    | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 96   |



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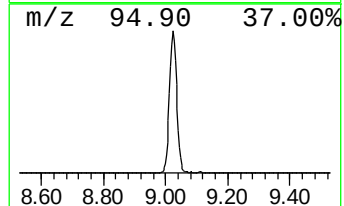
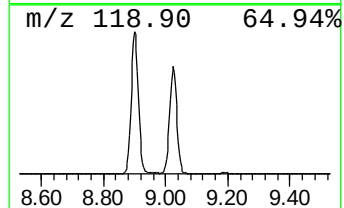
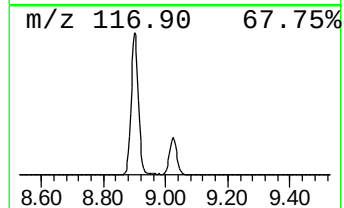
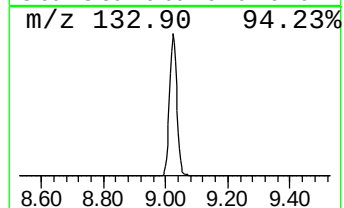
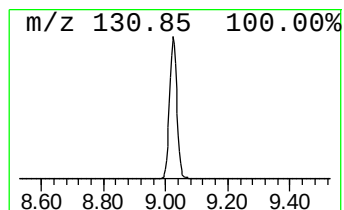
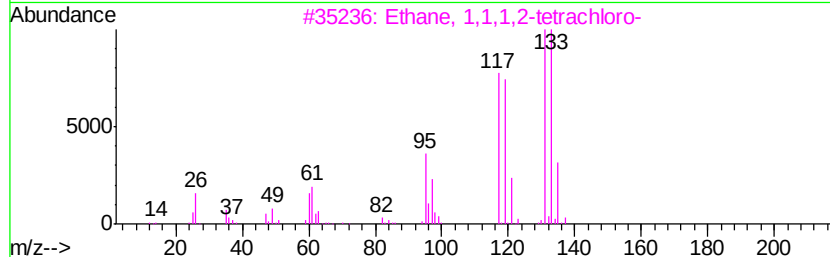
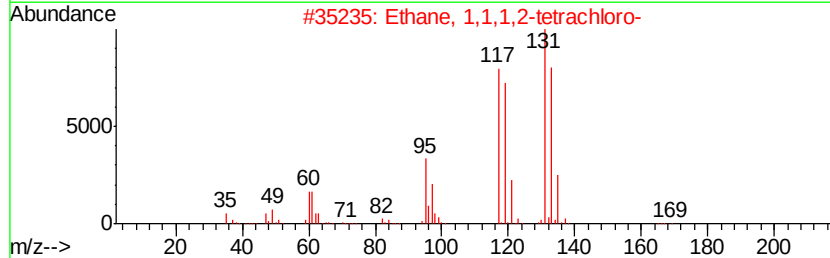
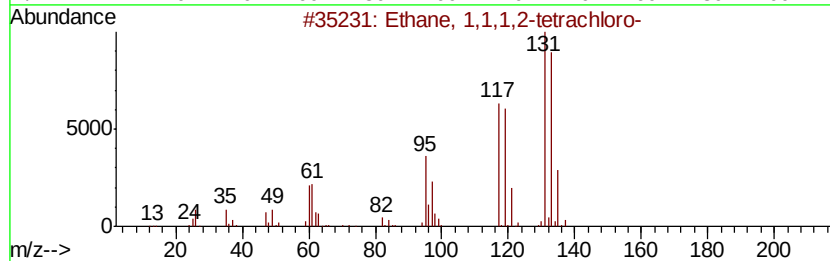
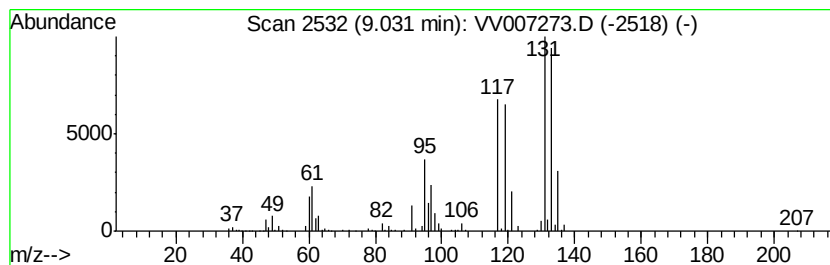
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Ethane, 1,1,1,2-tetrachloro- Concentration Rank 4

| R.T. | EstConc   | Area   | Relative to ISTD | R.T. |
|------|-----------|--------|------------------|------|
| 9.03 | 4.25 ug/L | 660565 | Chlorobenzene-d5 | 8.90 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 91   |
| 2    |    | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 91   |
| 3    |    | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 91   |
| 4    |    | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 72   |
| 5    |    | Carbon Tetrachloride         | 152 | CCl4    | 000056-23-5 | 10   |



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TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Benzene, 1,3,5-tr... | 12.70 | 5.6     | ug/L  | 848383   | 3                     | 11.30 | 758079 | 5.0  |
| Ethane, 1,1,1,2-t... | 9.03  | 4.3     | ug/L  | 660565   | 2                     | 8.90  | 777205 | 5.0  |