

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082918\  
 Data File : VV007260.D  
 Acq On : 29 Aug 2018 16:44  
 Operator : SY/MD  
 Sample : J4650-12  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 15 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\SOMVTR082818WMA.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       | 28            | 43          | 69           | rBV      | 3051130        | 3952992       | 100.00%         | 11.373%       |
| 2         | 1.250       | 107           | 112         | 123          | rVB      | 106655         | 115833        | 2.93%           | 0.333%        |
| 3         | 1.318       | 124           | 133         | 152          | rVB      | 102512         | 133439        | 3.38%           | 0.384%        |
| 4         | 1.537       | 194           | 201         | 208          | rBV      | 63392          | 69427         | 1.76%           | 0.200%        |
| 5         | 1.585       | 208           | 216         | 226          | rVB      | 91100          | 108084        | 2.73%           | 0.311%        |
| 6         | 1.771       | 264           | 274         | 287          | rVB      | 362561         | 466849        | 11.81%          | 1.343%        |
| 7         | 2.138       | 376           | 388         | 400          | rBV3     | 311211         | 522194        | 13.21%          | 1.502%        |
| 8         | 2.212       | 400           | 411         | 433          | rVV      | 84375          | 229826        | 5.81%           | 0.661%        |
| 9         | 2.321       | 435           | 445         | 461          | rVB      | 219949         | 335669        | 8.49%           | 0.966%        |
| 10        | 2.540       | 502           | 513         | 531          | rVB      | 98780          | 160727        | 4.07%           | 0.462%        |
| 11        | 2.816       | 584           | 599         | 620          | rBV      | 313604         | 678087        | 17.15%          | 1.951%        |
| 12        | 3.231       | 713           | 728         | 745          | rVB      | 307613         | 625750        | 15.83%          | 1.800%        |
| 13        | 3.974       | 941           | 959         | 970          | rBV      | 101150         | 308670        | 7.81%           | 0.888%        |
| 14        | 4.054       | 972           | 984         | 1051         | rVB      | 265704         | 1105395       | 27.96%          | 3.180%        |
| 15        | 4.405       | 1075          | 1093        | 1124         | rBV      | 157417         | 386194        | 9.77%           | 1.111%        |
| 16        | 4.662       | 1152          | 1173        | 1182         | rBV      | 311879         | 770959        | 19.50%          | 2.218%        |
| 17        | 4.726       | 1182          | 1193        | 1221         | rVB2     | 627897         | 1527958       | 38.65%          | 4.396%        |
| 18        | 5.099       | 1290          | 1309        | 1325         | rBV2     | 380789         | 878893        | 22.23%          | 2.529%        |
| 19        | 5.189       | 1325          | 1337        | 1362         | rVB      | 169471         | 368961        | 9.33%           | 1.062%        |
| 20        | 5.668       | 1471          | 1486        | 1509         | rBV      | 278383         | 562481        | 14.23%          | 1.618%        |
| 21        | 5.964       | 1563          | 1578        | 1599         | rBV      | 281171         | 541915        | 13.71%          | 1.559%        |
| 22        | 6.125       | 1613          | 1628        | 1635         | rBV      | 212157         | 419267        | 10.61%          | 1.206%        |
| 23        | 6.179       | 1635          | 1645        | 1655         | rVV      | 483348         | 994244        | 25.15%          | 2.861%        |
| 24        | 6.228       | 1656          | 1660        | 1678         | rVB2     | 107362         | 178212        | 4.51%           | 0.513%        |
| 25        | 7.035       | 1898          | 1911        | 1928         | rBV      | 93240          | 167369        | 4.23%           | 0.482%        |
| 26        | 7.366       | 2000          | 2014        | 2025         | rBV      | 340101         | 594056        | 15.03%          | 1.709%        |
| 27        | 7.437       | 2025          | 2036        | 2065         | rVB      | 874535         | 1486217       | 37.60%          | 4.276%        |
| 28        | 7.668       | 2098          | 2108        | 2122         | rBV2     | 61699          | 103750        | 2.62%           | 0.299%        |
| 29        | 8.022       | 2202          | 2218        | 2237         | rBV      | 577799         | 969980        | 24.54%          | 2.791%        |
| 30        | 8.154       | 2245          | 2259        | 2265         | rBV4     | 371792         | 751529        | 19.01%          | 2.162%        |
| 31        | 8.199       | 2266          | 2273        | 2311         | rVB      | 669774         | 1347728       | 34.09%          | 3.878%        |
| 32        | 8.401       | 2324          | 2336        | 2352         | rVB      | 293985         | 503398        | 12.73%          | 1.448%        |
| 33        | 8.903       | 2479          | 2492        | 2493         | rBV      | 453265         | 518527        | 13.12%          | 1.492%        |
| 34        | 8.929       | 2494          | 2500        | 2518         | rVV      | 980830         | 1663867       | 42.09%          | 4.787%        |

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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\SOMVTR082818WMA.M  
Title : TRACE VOA SOM01.0

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 9.025  | 2519 | 2530 | 2534 | rVV  | 353415  | 553191  | 13.99% | 1.592% |
| 36 | 9.060  | 2534 | 2541 | 2568 | rVB  | 734050  | 1202353 | 30.42% | 3.459% |
| 37 | 9.189  | 2568 | 2581 | 2611 | rBV  | 1524844 | 2373770 | 60.05% | 6.830% |
| 38 | 9.601  | 2692 | 2709 | 2752 | rBV3 | 736340  | 1714187 | 43.36% | 4.932% |
| 39 | 9.781  | 2754 | 2765 | 2782 | rVB  | 92223   | 156101  | 3.95%  | 0.449% |
| 40 | 9.980  | 2813 | 2827 | 2856 | rBV  | 368486  | 592384  | 14.99% | 1.704% |
| 41 | 10.266 | 2905 | 2916 | 2933 | rBV  | 171961  | 277730  | 7.03%  | 0.799% |
| 42 | 11.301 | 3225 | 3238 | 3241 | rBV  | 397902  | 574754  | 14.54% | 1.654% |
| 43 | 11.694 | 3342 | 3360 | 3387 | rBV2 | 1083627 | 2196597 | 55.57% | 6.320% |
| 44 | 12.485 | 3595 | 3606 | 3620 | rVB3 | 31609   | 50455   | 1.28%  | 0.145% |
| 45 | 12.700 | 3659 | 3673 | 3688 | rBV  | 407558  | 660186  | 16.70% | 1.899% |
| 46 | 13.800 | 4003 | 4015 | 4034 | rBV  | 543575  | 856914  | 21.68% | 2.465% |

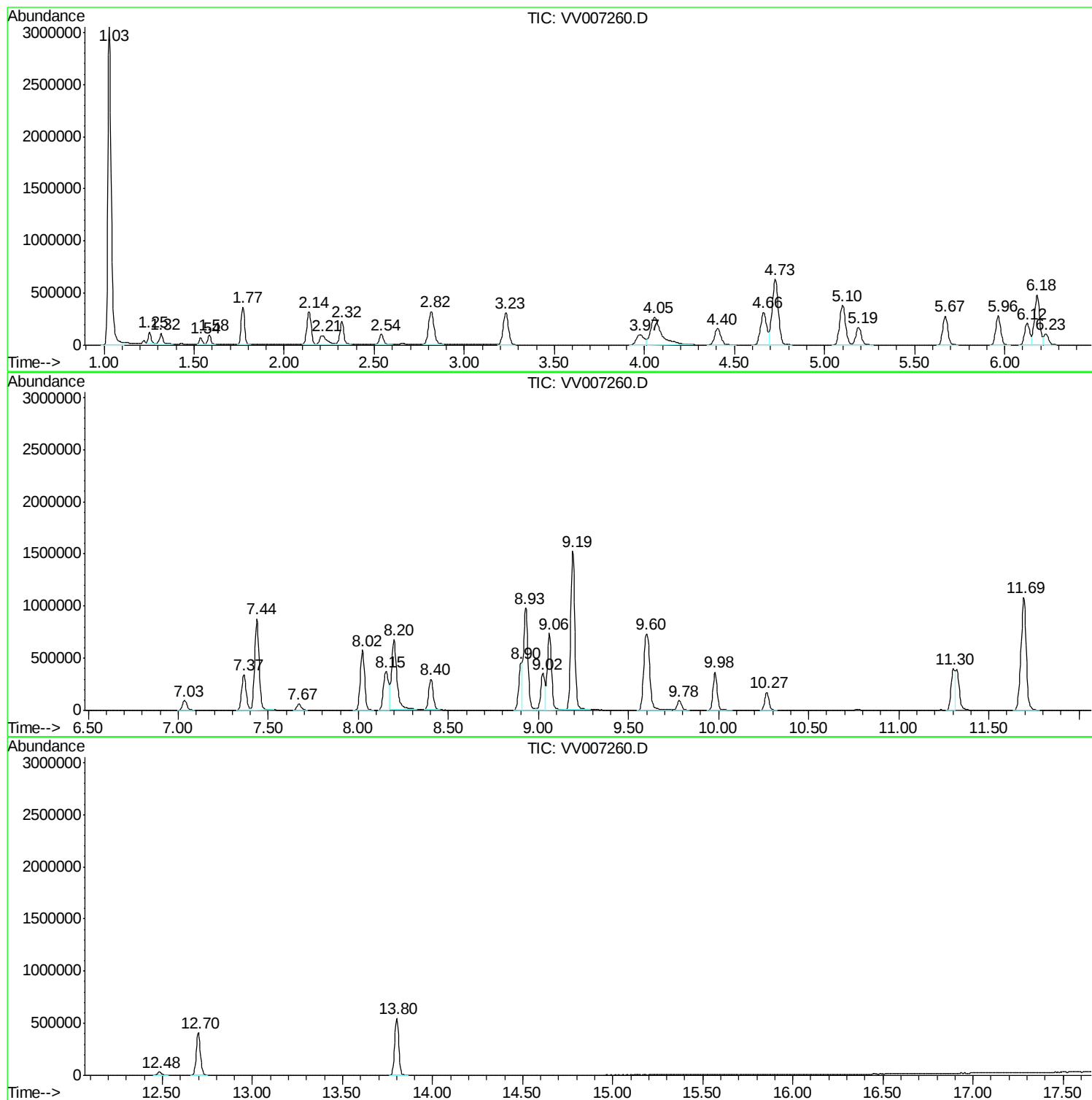
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ClientSampleId :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR082818WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR082818WMA.M  
Quant Title : TRACE VOA SOM01.0

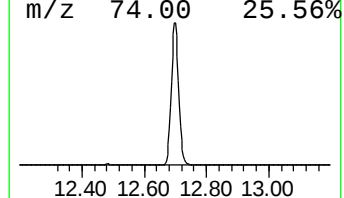
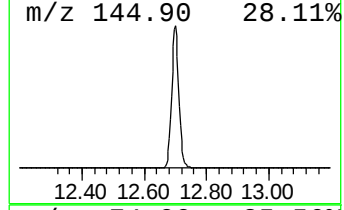
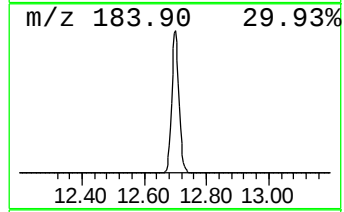
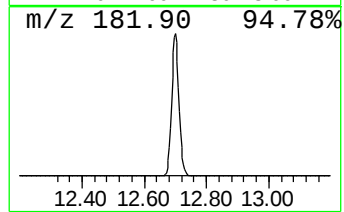
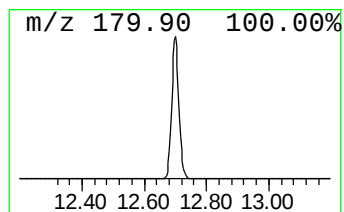
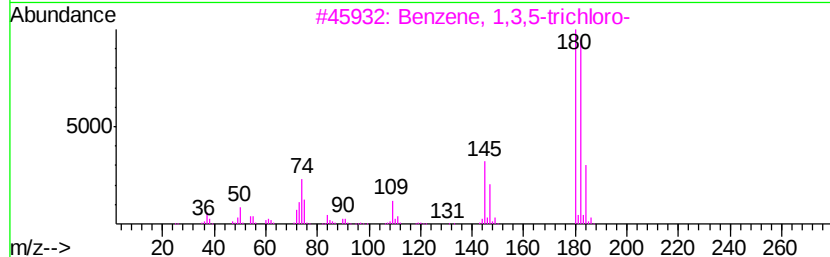
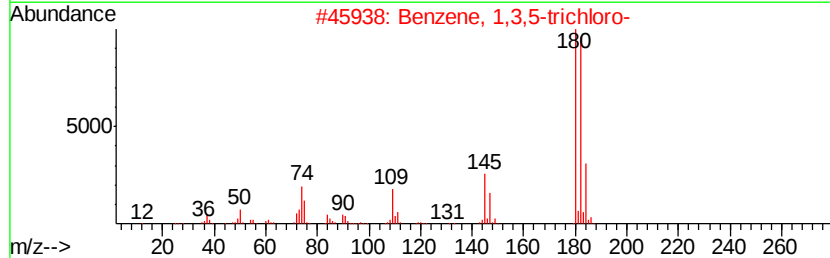
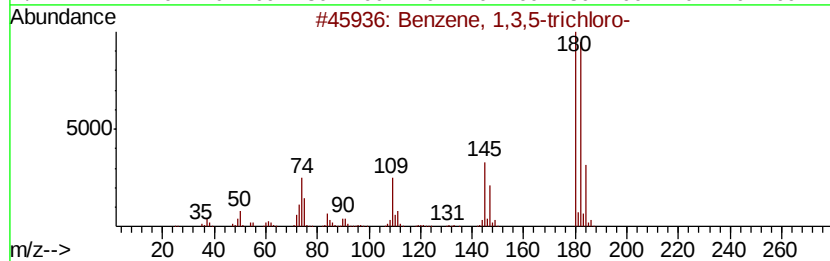
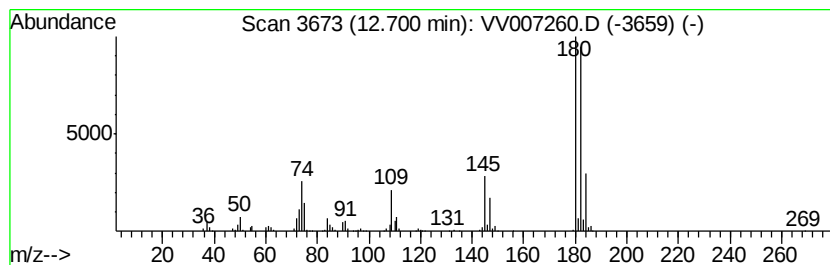
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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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 | 5.74 ug/L | 660186 | 1,4-Dichlorobenzene-d4 | 11.30 |

| Hit# of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|---------|---|---------------------------|-----|---------|-------------|------|
| 1       |   | 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, 1,3,5-trichloro- | 180 | C6H3Cl3 | 000108-70-3 | 97   |
| 4       |   | Benzene, 1,2,4-trichloro- | 180 | C6H3Cl3 | 000120-82-1 | 96   |
| 5       |   | Benzene, 1,2,3-trichloro- | 180 | C6H3Cl3 | 000087-61-6 | 95   |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR082818WMA.M  
Quant Title : TRACE VOA SOM01.0

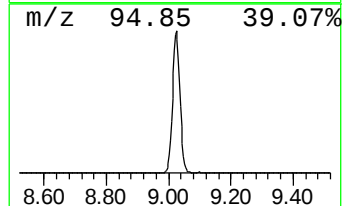
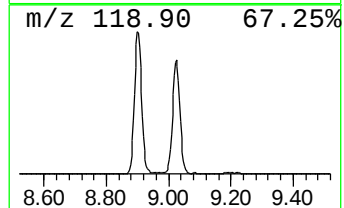
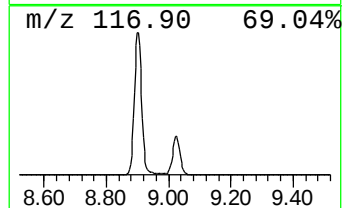
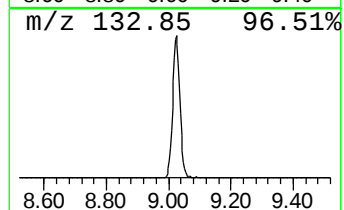
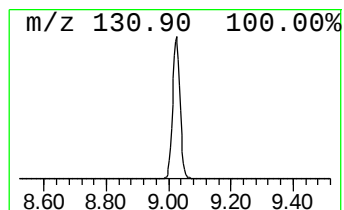
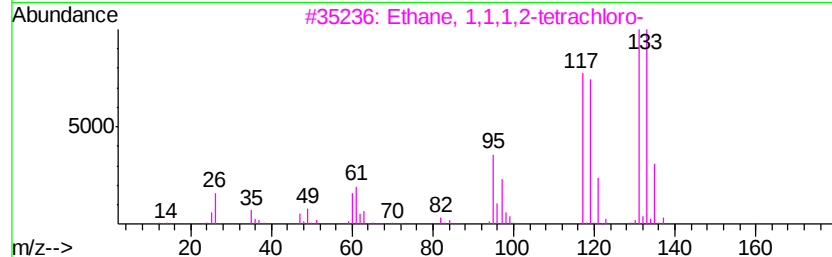
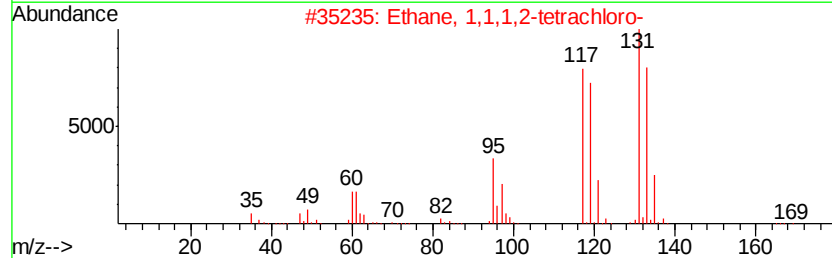
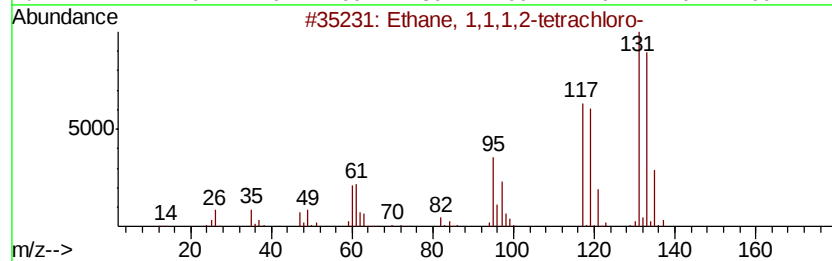
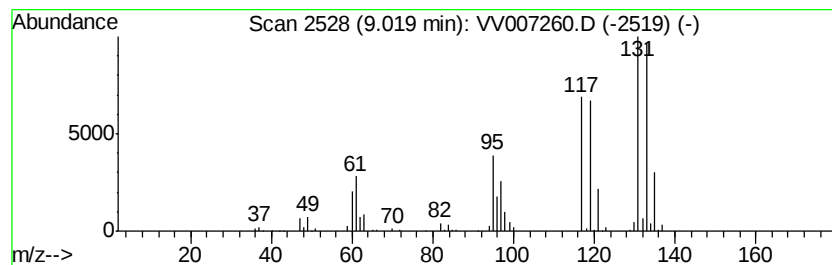
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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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. |
|------|-----------|--------|------------------|------|
| 9.02 | 5.33 ug/L | 553191 | 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 | 87   |
| 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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Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L  
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 | 5.7     | ug/L  | 660186   | 3                     | 11.30 | 574754 | 5.0  |
| Ethane, 1,1,1,2-t... | 9.02  | 5.3     | ug/L  | 553191   | 2                     | 8.90  | 518527 | 5.0  |