

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021920\  
 Data File : VU036845.D  
 Acq On : 19 Feb 2020 13:21  
 Operator : JC/MD  
 Sample : L1580-16  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBDJ1

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\_U\METHOD\SOMUTR021220WMA.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         | 1.494       | 41            | 48          | 55           | rBV      | 14680          | 16400         | 1.37%           | 0.105%        |
| 2         | 1.536       | 55            | 61          | 72           | rVB      | 60942          | 67104         | 5.59%           | 0.429%        |
| 3         | 1.613       | 77            | 85          | 95           | rBV      | 73721          | 76102         | 6.34%           | 0.487%        |
| 4         | 1.871       | 156           | 165         | 174          | rBV      | 43931          | 58116         | 4.84%           | 0.372%        |
| 5         | 1.928       | 175           | 183         | 197          | rVB      | 60607          | 78721         | 6.56%           | 0.503%        |
| 6         | 2.157       | 244           | 254         | 267          | rVB      | 158494         | 228969        | 19.07%          | 1.464%        |
| 7         | 2.597       | 376           | 391         | 401          | rBV3     | 153589         | 297711        | 24.79%          | 1.904%        |
| 8         | 2.655       | 401           | 409         | 429          | rVB      | 111678         | 186290        | 15.51%          | 1.191%        |
| 9         | 2.819       | 448           | 460         | 481          | rBV      | 98841          | 170577        | 14.20%          | 1.091%        |
| 10        | 3.076       | 528           | 540         | 558          | rVB      | 54749          | 101564        | 8.46%           | 0.649%        |
| 11        | 3.221       | 567           | 585         | 601          | rBV2     | 7684           | 17947         | 1.49%           | 0.115%        |
| 12        | 3.404       | 625           | 642         | 662          | rBV      | 163728         | 373737        | 31.12%          | 2.390%        |
| 13        | 3.912       | 782           | 800         | 821          | rBV      | 125578         | 296702        | 24.71%          | 1.897%        |
| 14        | 4.671       | 1016          | 1036        | 1048         | rBV      | 77344          | 176791        | 14.72%          | 1.130%        |
| 15        | 4.752       | 1048          | 1061        | 1087         | rVB      | 200132         | 449562        | 37.44%          | 2.875%        |
| 16        | 5.105       | 1155          | 1171        | 1197         | rVB      | 85698          | 188324        | 15.68%          | 1.204%        |
| 17        | 5.356       | 1233          | 1249        | 1259         | rBV      | 153002         | 343914        | 28.64%          | 2.199%        |
| 18        | 5.427       | 1259          | 1271        | 1294         | rVB      | 330791         | 740968        | 61.70%          | 4.738%        |
| 19        | 5.764       | 1354          | 1376        | 1388         | rBV2     | 186323         | 465944        | 38.80%          | 2.979%        |
| 20        | 5.832       | 1388          | 1397        | 1416         | rVB      | 90475          | 179661        | 14.96%          | 1.149%        |
| 21        | 6.285       | 1524          | 1538        | 1557         | rBV      | 155434         | 290450        | 24.19%          | 1.857%        |
| 22        | 6.575       | 1615          | 1628        | 1651         | rBV      | 140536         | 258289        | 21.51%          | 1.652%        |
| 23        | 6.726       | 1661          | 1675        | 1685         | rBV2     | 114868         | 216628        | 18.04%          | 1.385%        |
| 24        | 6.793       | 1685          | 1696        | 1720         | rVB2     | 251438         | 582748        | 48.53%          | 3.726%        |
| 25        | 7.594       | 1933          | 1945        | 1961         | rBV      | 56731          | 98869         | 8.23%           | 0.632%        |
| 26        | 7.925       | 2035          | 2048        | 2059         | rBV      | 229044         | 390597        | 32.53%          | 2.498%        |
| 27        | 7.996       | 2059          | 2070        | 2095         | rVB      | 467310         | 779373        | 64.90%          | 4.984%        |
| 28        | 8.205       | 2125          | 2135        | 2148         | rBV      | 34080          | 55854         | 4.65%           | 0.357%        |
| 29        | 8.578       | 2238          | 2251        | 2264         | rBV      | 256371         | 424149        | 35.32%          | 2.712%        |
| 30        | 8.661       | 2265          | 2277        | 2285         | rVV      | 248583         | 412351        | 34.34%          | 2.637%        |
| 31        | 8.713       | 2285          | 2293        | 2335         | rVB      | 370206         | 635875        | 52.95%          | 4.066%        |
| 32        | 8.951       | 2353          | 2367        | 2381         | rBV      | 136111         | 235641        | 19.62%          | 1.507%        |
| 33        | 9.443       | 2507          | 2520        | 2521         | rBV      | 236419         | 281087        | 23.41%          | 1.797%        |
| 34        | 9.468       | 2523          | 2528        | 2544         | rVV      | 483909         | 765099        | 63.71%          | 4.892%        |

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 MSVOA\_U  
 ClientSampleId :  
 DBDJ1

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\_U\METHOD\SOMUTR021220WMA.M  
 Title : TRACE VOA SOM01.0

|    |        |      |      |      |      |        |         |         |        |
|----|--------|------|------|------|------|--------|---------|---------|--------|
| 35 | 9.558  | 2544 | 2556 | 2559 | rVV  | 149619 | 226692  | 18.88%  | 1.450% |
| 36 | 9.591  | 2560 | 2566 | 2581 | rVB  | 377318 | 595135  | 49.56%  | 3.805% |
| 37 | 9.719  | 2592 | 2606 | 2636 | rVB  | 767077 | 1200868 | 100.00% | 7.679% |
| 38 | 10.128 | 2716 | 2733 | 2759 | rBV3 | 454452 | 918422  | 76.48%  | 5.873% |
| 39 | 10.311 | 2780 | 2790 | 2804 | rBV  | 38964  | 64650   | 5.38%   | 0.413% |
| 40 | 10.504 | 2837 | 2850 | 2869 | rBV  | 209395 | 323462  | 26.94%  | 2.068% |
| 41 | 10.777 | 2920 | 2935 | 2951 | rBV  | 77690  | 126512  | 10.54%  | 0.809% |
| 42 | 11.832 | 3248 | 3263 | 3267 | rBV  | 216715 | 371108  | 30.90%  | 2.373% |
| 43 | 12.227 | 3369 | 3386 | 3402 | rBV2 | 538632 | 1097183 | 91.37%  | 7.016% |
| 44 | 13.021 | 3624 | 3633 | 3643 | rVB3 | 16318  | 26798   | 2.23%   | 0.171% |
| 45 | 13.243 | 3690 | 3702 | 3717 | rBV  | 207482 | 325967  | 27.14%  | 2.084% |
| 46 | 14.365 | 4039 | 4051 | 4066 | rVB  | 259226 | 420069  | 34.98%  | 2.686% |

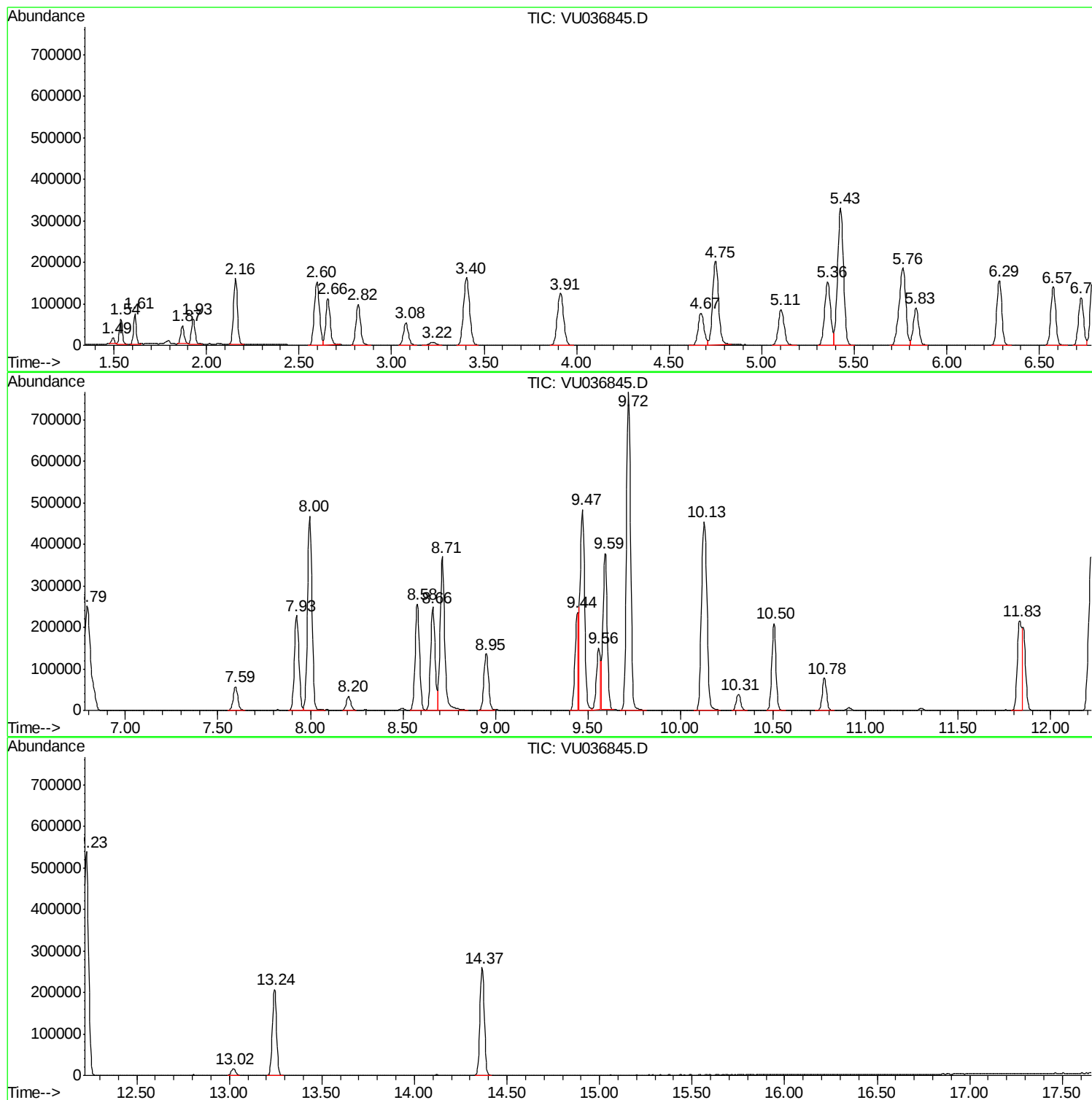
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ClientSampleId :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR021220WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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Instrument :  
MSVOA\_U  
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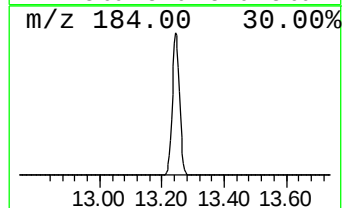
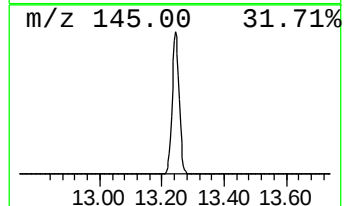
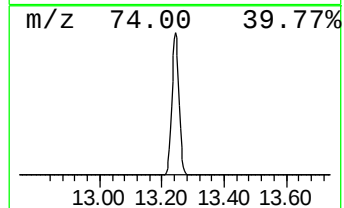
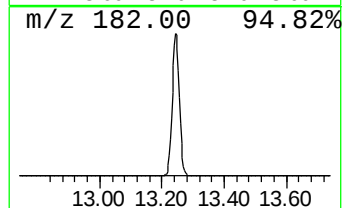
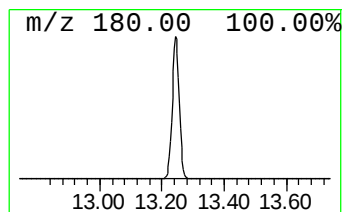
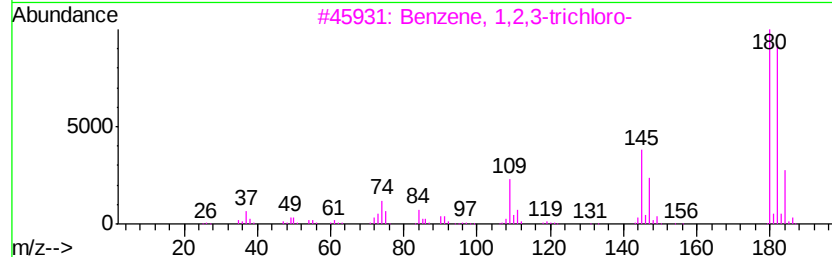
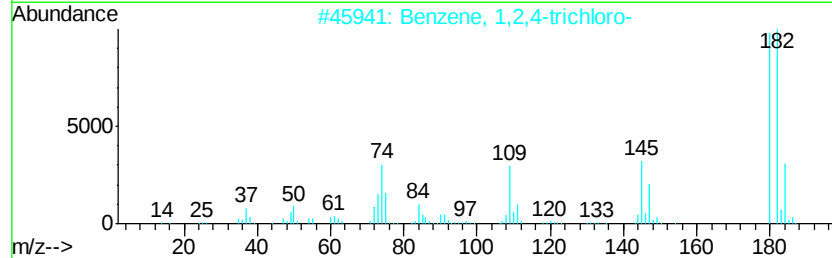
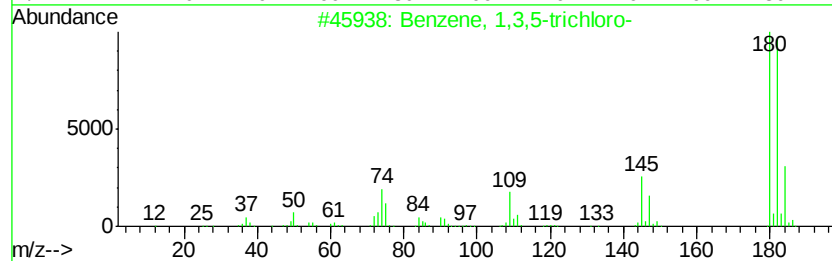
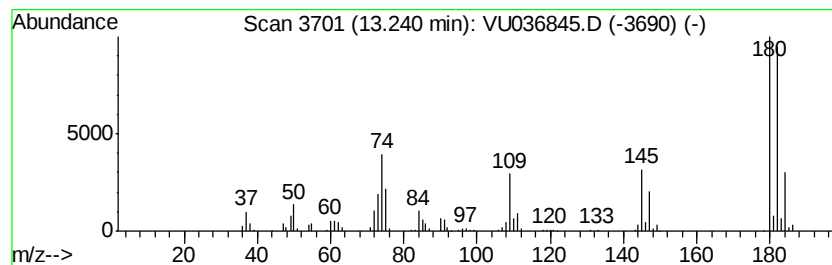
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR021220WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 2 Benzene, 1,3,5-trichloro- Concentration Rank 1

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 13.24 | 4.39 ug/L | 325967 | 1,4-Dichlorobenzene-d4 | 11.83 |

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



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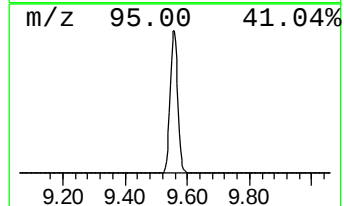
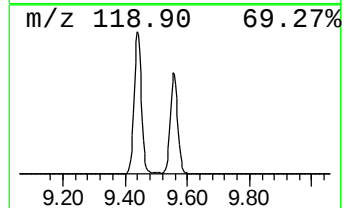
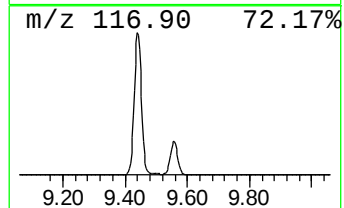
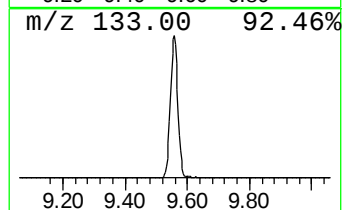
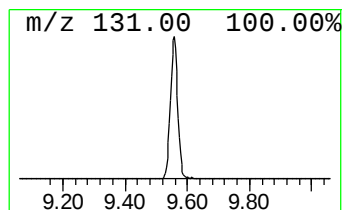
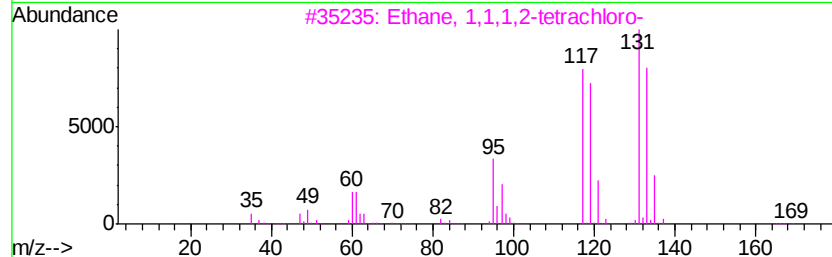
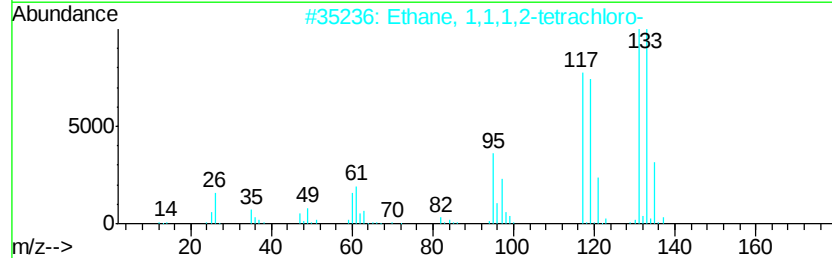
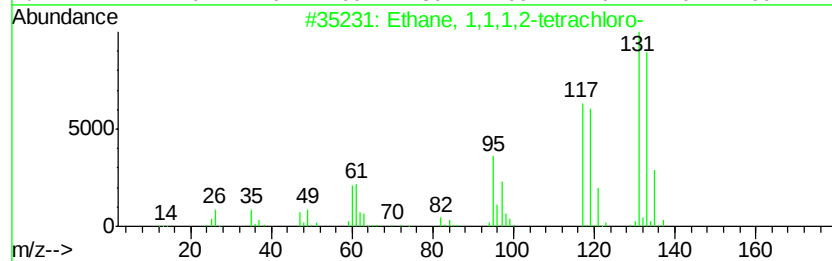
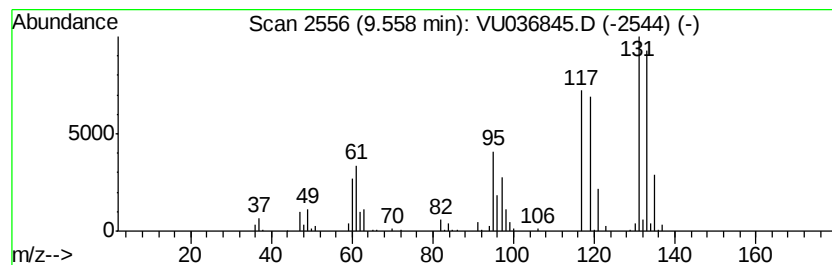
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Quant Title : TRACE VOA SOM01.0

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

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Peak Number 3 Ethane, 1,1,1,2-tetrachloro- Concentration Rank 3

| R.T. | EstConc   | Area   | Relative to ISTD | R.T. |
|------|-----------|--------|------------------|------|
| 9.56 | 4.03 ug/L | 226692 | Chlorobenzene-d5 | 9.44 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 87   |
| 2    |    | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 80   |
| 3    |    | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 80   |
| 4    |    | Ethane, 1,1,1,2-tetrachloro- | 166 | C2H2Cl4 | 000630-20-6 | 72   |
| 5    |    | 2,4-Dicyanopyrrole           | 117 | C6H3N3  | 074023-87-3 | 10   |



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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... | 13.24 | 4.4     | ug/L  | 325967   | 3                     | 11.83 | 371108 | 5.0  |
| Ethane, 1,1,1,2-t... | 9.56  | 4.0     | ug/L  | 226692   | 2                     | 9.44  | 281087 | 5.0  |