

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070219\  
 Data File : VU033136.D  
 Acq On : 02 Jul 2019 13:21  
 Operator : JC/SP  
 Sample : K3608-18  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAMM7

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\SOMUTR070219WMA.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         | 1.202       | 29            | 35          | 48           | rBV      | 66137          | 65372         | 7.80%           | 0.774%        |
| 2         | 1.399       | 87            | 96          | 108          | rBV2     | 91970          | 101511        | 12.11%          | 1.203%        |
| 3         | 1.559       | 135           | 146         | 156          | rVB4     | 9636           | 14236         | 1.70%           | 0.169%        |
| 4         | 1.694       | 174           | 188         | 205          | rVB2     | 132016         | 202253        | 24.12%          | 2.396%        |
| 5         | 2.280       | 357           | 370         | 376          | rBV4     | 287373         | 538198        | 64.19%          | 6.376%        |
| 6         | 2.318       | 376           | 382         | 406          | rVB      | 234623         | 382190        | 45.58%          | 4.528%        |
| 7         | 2.611       | 464           | 473         | 489          | rVB      | 32293          | 54529         | 6.50%           | 0.646%        |
| 8         | 2.833       | 529           | 542         | 560          | rVB      | 11975          | 26445         | 3.15%           | 0.313%        |
| 9         | 2.971       | 573           | 585         | 599          | rBV      | 54679          | 98342         | 11.73%          | 1.165%        |
| 10        | 3.434       | 715           | 729         | 750          | rVB      | 26776          | 59264         | 7.07%           | 0.702%        |
| 11        | 4.209       | 950           | 970         | 999          | rBV4     | 83467          | 325613        | 38.84%          | 3.858%        |
| 12        | 4.540       | 1057          | 1073        | 1090         | rBV2     | 56593          | 129016        | 15.39%          | 1.529%        |
| 13        | 4.659       | 1090          | 1110        | 1136         | rVB5     | 140794         | 432198        | 51.55%          | 5.120%        |
| 14        | 4.903       | 1169          | 1186        | 1206         | rVB      | 33057          | 78362         | 9.35%           | 0.928%        |
| 15        | 5.122       | 1239          | 1254        | 1278         | rVB2     | 45931          | 108217        | 12.91%          | 1.282%        |
| 16        | 5.331       | 1296          | 1319        | 1332         | rBV2     | 117386         | 330072        | 39.37%          | 3.910%        |
| 17        | 5.398       | 1332          | 1340        | 1364         | rVB      | 21666          | 48111         | 5.74%           | 0.570%        |
| 18        | 5.878       | 1477          | 1489        | 1513         | rBV      | 120204         | 236361        | 28.19%          | 2.800%        |
| 19        | 6.177       | 1570          | 1582        | 1598         | rBV2     | 52754          | 102292        | 12.20%          | 1.212%        |
| 20        | 6.324       | 1614          | 1628        | 1650         | rBV      | 80850          | 161677        | 19.28%          | 1.915%        |
| 21        | 7.222       | 1896          | 1907        | 1913         | rBV2     | 41901          | 73253         | 8.74%           | 0.868%        |
| 22        | 7.263       | 1913          | 1920        | 1948         | rVB      | 97159          | 177479        | 21.17%          | 2.103%        |
| 23        | 7.459       | 1967          | 1981        | 2001         | rBV      | 469483         | 838449        | 100.00%         | 9.933%        |
| 24        | 7.559       | 2001          | 2012        | 2030         | rVB      | 166088         | 292183        | 34.85%          | 3.462%        |
| 25        | 7.845       | 2088          | 2101        | 2104         | rBV2     | 29959          | 41331         | 4.93%           | 0.490%        |
| 26        | 7.874       | 2105          | 2110        | 2125         | rVB2     | 43448          | 75790         | 9.04%           | 0.898%        |
| 27        | 8.064       | 2158          | 2169        | 2185         | rBV3     | 37510          | 63899         | 7.62%           | 0.757%        |
| 28        | 8.218       | 2207          | 2217        | 2233         | rVB      | 89670          | 152979        | 18.25%          | 1.812%        |
| 29        | 8.308       | 2233          | 2245        | 2287         | rBV      | 195521         | 396180        | 47.25%          | 4.694%        |
| 30        | 8.582       | 2319          | 2330        | 2343         | rBV      | 40106          | 69884         | 8.33%           | 0.828%        |
| 31        | 9.086       | 2474          | 2487        | 2490         | rBV      | 194751         | 300969        | 35.90%          | 3.566%        |
| 32        | 9.112       | 2491          | 2495        | 2524         | rVB      | 239475         | 368364        | 43.93%          | 4.364%        |
| 33        | 9.955       | 2744          | 2757        | 2769         | rBV2     | 25647          | 42613         | 5.08%           | 0.505%        |
| 34        | 10.427      | 2893          | 2904        | 2926         | rBV3     | 66126          | 144698        | 17.26%          | 1.714%        |

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MSVOA\_U  
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GAMM7

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\SOMUTR070219WMA.M  
Title : TRACE VOA SOM01.0

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 11.144 | 3115 | 3127 | 3152 | rBV  | 204974 | 321128 | 38.30% | 3.805% |
| 36 | 11.411 | 3199 | 3210 | 3221 | rBV  | 123896 | 200267 | 23.89% | 2.373% |
| 37 | 11.479 | 3221 | 3231 | 3258 | rVB2 | 211577 | 465203 | 55.48% | 5.511% |
| 38 | 11.855 | 3336 | 3348 | 3368 | rBV  | 167603 | 276297 | 32.95% | 3.273% |
| 39 | 12.884 | 3655 | 3668 | 3689 | rBV  | 188611 | 313777 | 37.42% | 3.717% |
| 40 | 13.501 | 3847 | 3860 | 3884 | rBV  | 110584 | 214662 | 25.60% | 2.543% |
| 41 | 13.987 | 4000 | 4011 | 4036 | rBV3 | 53838  | 117012 | 13.96% | 1.386% |

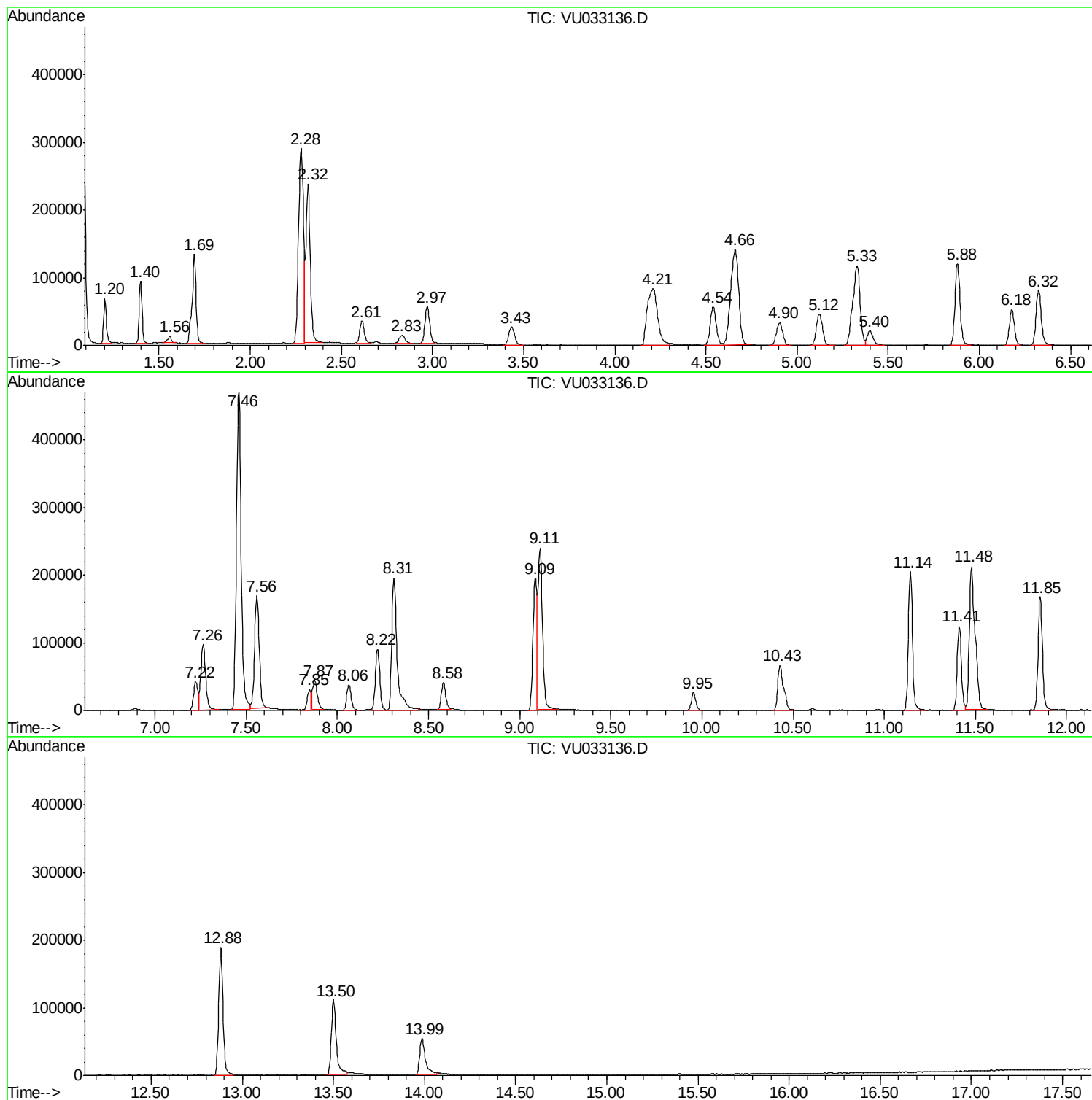
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070219WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070219WMA.M  
Quant Title : TRACE VOA SOM01.0

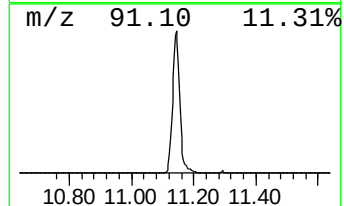
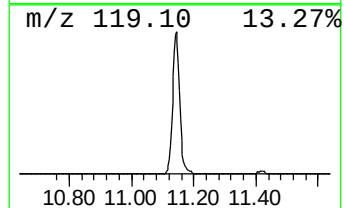
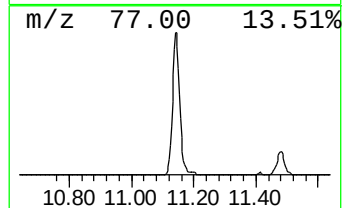
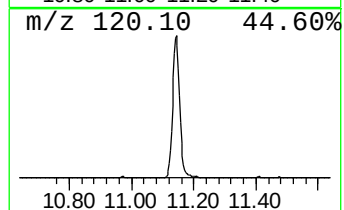
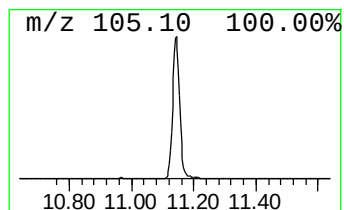
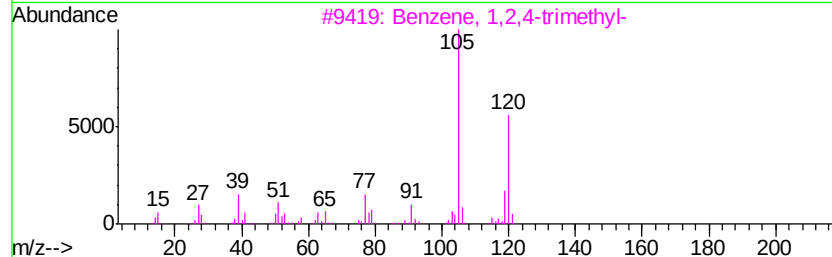
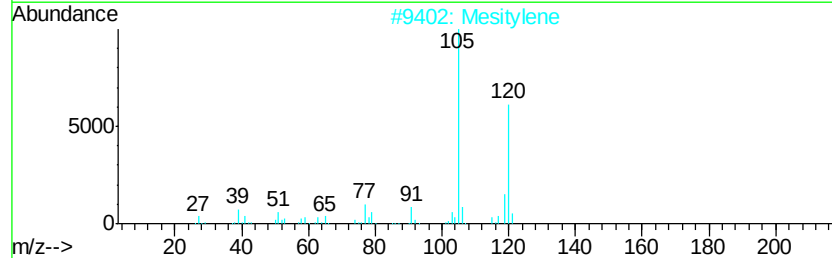
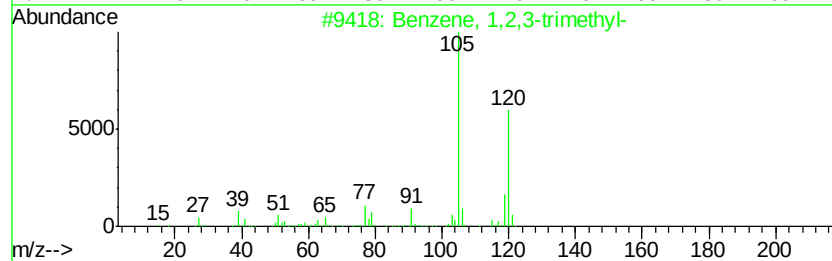
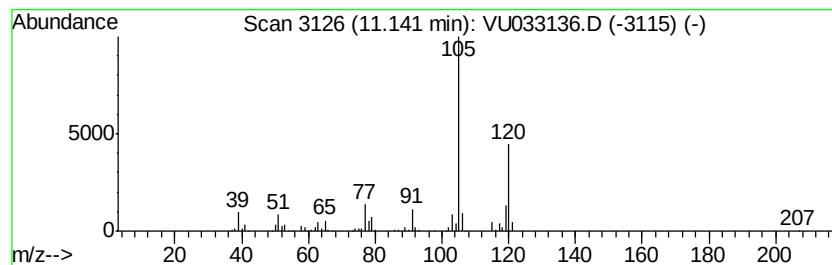
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Benzene, 1,2,4-trimethyl- Concentration Rank 1

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 11.14 | 3.45 ug/L | 321128 | 1,4-Dichlorobenzene-d4 | 11.48 |

| Hit# of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|---------|---|---------------------------|-----|---------|-------------|------|
| 1       |   | Benzene, 1,2,3-trimethyl- | 120 | C9H12   | 000526-73-8 | 97   |
| 2       |   | Mesitylene                | 120 | C9H12   | 000108-67-8 | 97   |
| 3       |   | Benzene, 1,2,4-trimethyl- | 120 | C9H12   | 000095-63-6 | 95   |
| 4       |   | Benzene, 1,2,3-trimethyl- | 120 | C9H12   | 000526-73-8 | 94   |
| 5       |   | Benzene, 1,2,4-trimethyl- | 120 | C9H12   | 000095-63-6 | 94   |



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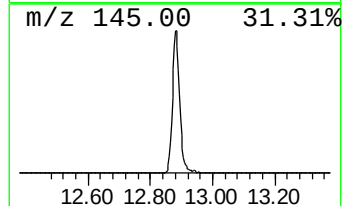
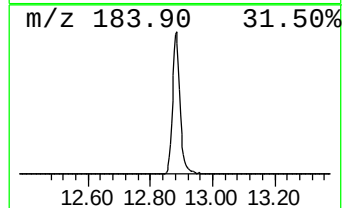
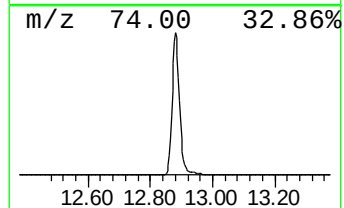
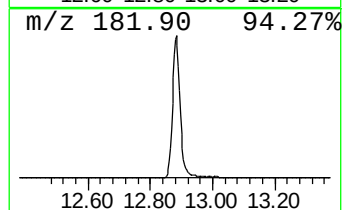
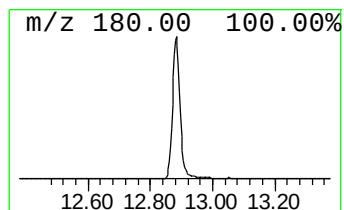
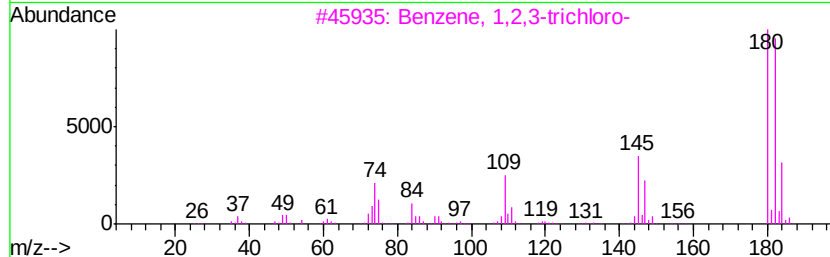
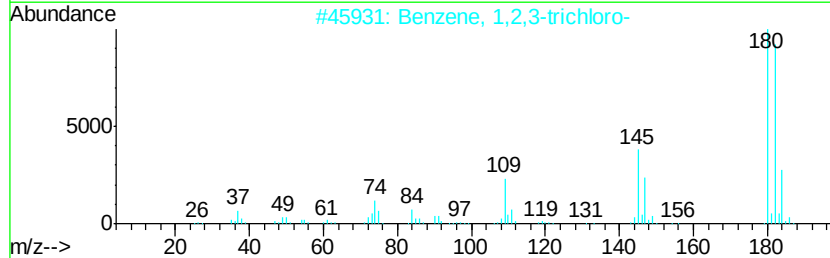
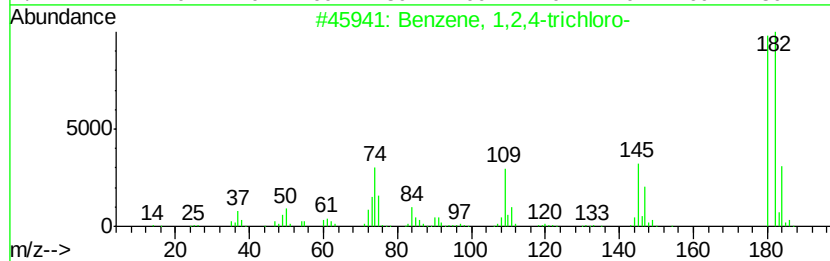
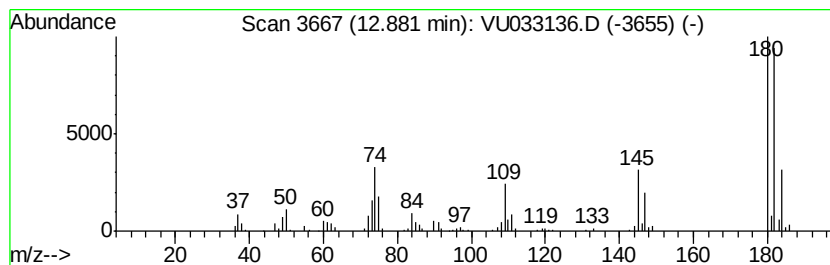
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070219WMA.M  
Quant Title : TRACE VOA SOM01.0

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 2

| R.T.    | EstConc   | Area             | Relative to ISTD       | R.T.    |             |      |
|---------|-----------|------------------|------------------------|---------|-------------|------|
| 12.88   | 3.37 ug/L | 313777           | 1,4-Dichlorobenzene-d4 | 11.48   |             |      |
| Hit# of | 5         | Tentative ID     | MW                     | MolForm | CAS#        | Qual |
| 1       | Benzene,  | 1,2,4-trichloro- | 180                    | C6H3Cl3 | 000120-82-1 | 98   |
| 2       | Benzene,  | 1,2,3-trichloro- | 180                    | C6H3Cl3 | 000087-61-6 | 98   |
| 3       | Benzene,  | 1,2,3-trichloro- | 180                    | C6H3Cl3 | 000087-61-6 | 98   |
| 4       | Benzene,  | 1,2,3-trichloro- | 180                    | C6H3Cl3 | 000087-61-6 | 97   |
| 5       | Benzene,  | 1,3,5-trichloro- | 180                    | C6H3Cl3 | 000108-70-3 | 96   |



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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, 1,2,4-tr... | 11.14 | 3.5     | ug/L  | 321128   | 3                     | 11.48 | 465203 | 5.0  |
| Benzene, 1,3,5-tr... | 12.88 | 3.4     | ug/L  | 313777   | 3                     | 11.48 | 465203 | 5.0  |