

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011020\  
 Data File : VV014270.D  
 Acq On : 10 Jan 2020 13:51  
 Operator : SY/MD  
 Sample : L1071-01  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 X2L39

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\SOMVTR010220WMA.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         | 1.319       | 63            | 71          | 86           | rVB      | 511174         | 540729        | 3.68%           | 0.551%        |
| 2         | 1.602       | 147           | 159         | 172          | rBV2     | 741400         | 1227416       | 8.35%           | 1.250%        |
| 3         | 2.135       | 313           | 325         | 340          | rBV2     | 2935298        | 5101783       | 34.70%          | 5.197%        |
| 4         | 2.804       | 516           | 533         | 568          | rBV      | 2456397        | 5378402       | 36.58%          | 5.479%        |
| 5         | 3.962       | 876           | 893         | 947          | rBV2     | 260338         | 1439223       | 9.79%           | 1.466%        |
| 6         | 4.396       | 1011          | 1028        | 1051         | rBV      | 609694         | 1505851       | 10.24%          | 1.534%        |
| 7         | 4.872       | 1160          | 1176        | 1193         | rBV      | 416883         | 968723        | 6.59%           | 0.987%        |
| 8         | 5.090       | 1222          | 1244        | 1253         | rBV2     | 1521114        | 3592091       | 24.43%          | 3.659%        |
| 9         | 5.142       | 1254          | 1260        | 1288         | rVB      | 1215706        | 2502994       | 17.03%          | 2.550%        |
| 10        | 5.659       | 1405          | 1421        | 1450         | rBV      | 1243237        | 2455667       | 16.70%          | 2.502%        |
| 11        | 5.955       | 1494          | 1513        | 1534         | rBV      | 3261121        | 6318437       | 42.98%          | 6.437%        |
| 12        | 6.113       | 1548          | 1562        | 1582         | rBV      | 834703         | 1686346       | 11.47%          | 1.718%        |
| 13        | 6.215       | 1582          | 1594        | 1619         | rVB2     | 726316         | 1446137       | 9.84%           | 1.473%        |
| 14        | 7.026       | 1829          | 1846        | 1867         | rBV      | 493788         | 898318        | 6.11%           | 0.915%        |
| 15        | 7.354       | 1934          | 1948        | 1960         | rBV      | 1861357        | 3196384       | 21.74%          | 3.256%        |
| 16        | 7.424       | 1960          | 1970        | 1992         | rVB      | 3525907        | 6076985       | 41.34%          | 6.191%        |
| 17        | 7.659       | 2033          | 2043        | 2064         | rVB2     | 290621         | 506537        | 3.45%           | 0.516%        |
| 18        | 8.013       | 2134          | 2153        | 2170         | rBV      | 2621755        | 4374943       | 29.76%          | 4.457%        |
| 19        | 8.132       | 2177          | 2190        | 2224         | rBV      | 1829855        | 3591286       | 24.43%          | 3.659%        |
| 20        | 8.891       | 2413          | 2426        | 2430         | rBV      | 1876572        | 2939850       | 20.00%          | 2.995%        |
| 21        | 8.916       | 2431          | 2434        | 2457         | rVB      | 1963369        | 2759213       | 18.77%          | 2.811%        |
| 22        | 9.048       | 2463          | 2475        | 2501         | rBV      | 3132878        | 4905082       | 33.36%          | 4.997%        |
| 23        | 9.177       | 2501          | 2515        | 2537         | rBV      | 2965500        | 4817441       | 32.77%          | 4.908%        |
| 24        | 9.582       | 2628          | 2641        | 2657         | rBV      | 2023008        | 3144179       | 21.39%          | 3.203%        |
| 25        | 10.254      | 2833          | 2850        | 2871         | rBV      | 1978736        | 3188999       | 21.69%          | 3.249%        |
| 26        | 10.614      | 2950          | 2962        | 2980         | rBV      | 1843219        | 2589943       | 17.62%          | 2.638%        |
| 27        | 11.219      | 3137          | 3150        | 3161         | rBV      | 758151         | 1192051       | 8.11%           | 1.214%        |
| 28        | 11.286      | 3161          | 3171        | 3189         | rVB      | 1845397        | 2866764       | 19.50%          | 2.920%        |
| 29        | 11.691      | 3278          | 3297        | 3313         | rBV3     | 7527497        | 14701587      | 100.00%         | 14.977%       |
| 30        | 13.784      | 3936          | 3948        | 3972         | rVB      | 1393409        | 2248398       | 15.29%          | 2.291%        |

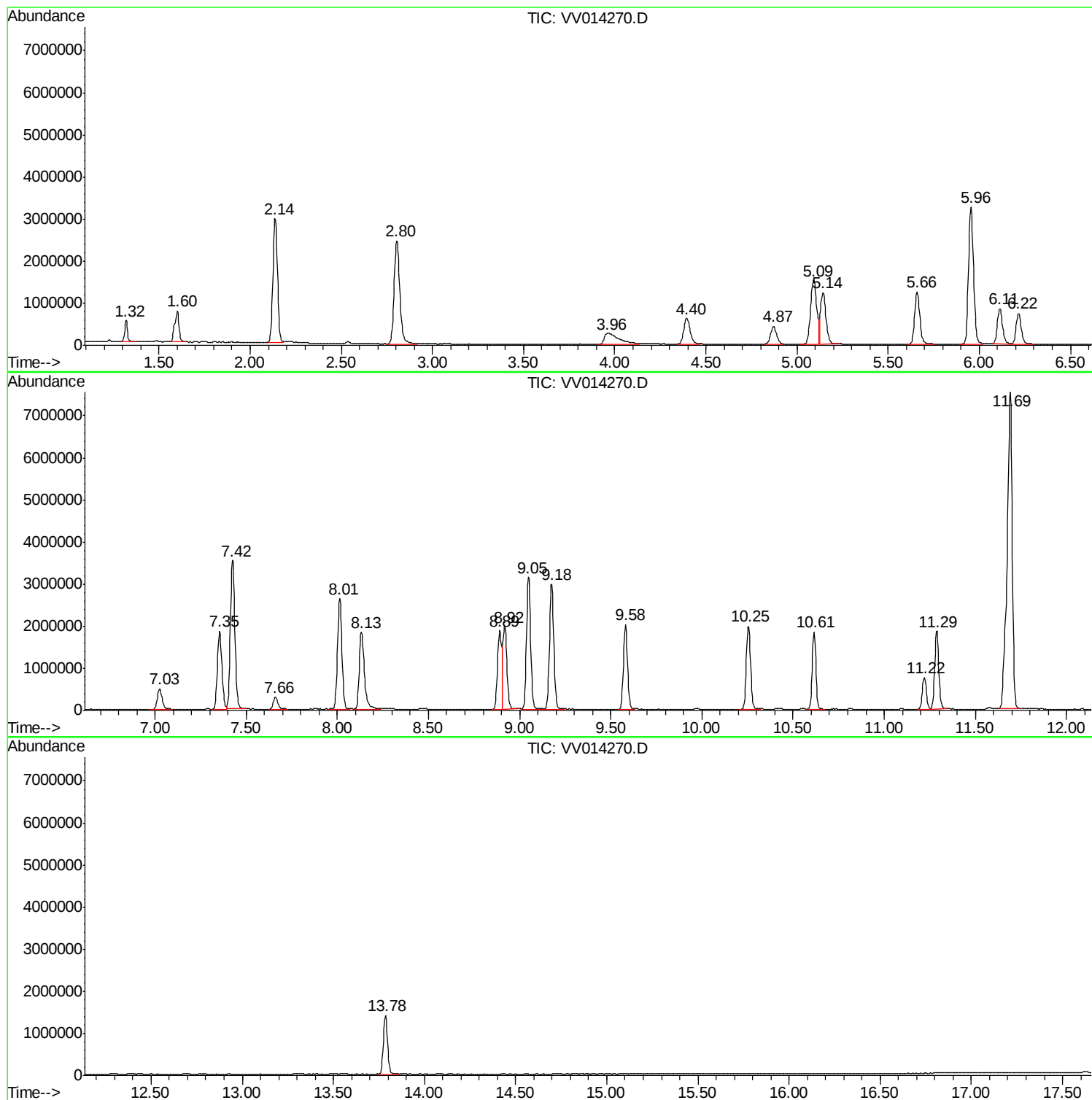
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ClientSampleId :  
X2L39

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR010220WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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Quant Title : TRACE VOA SOM01.0

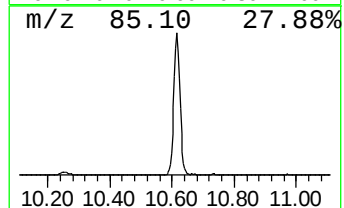
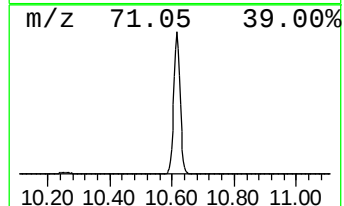
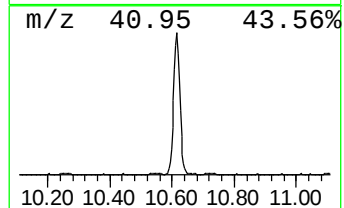
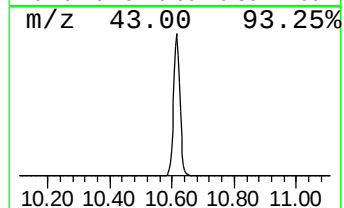
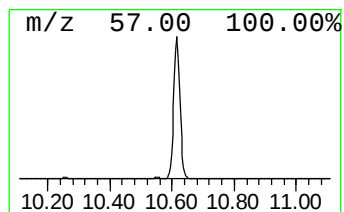
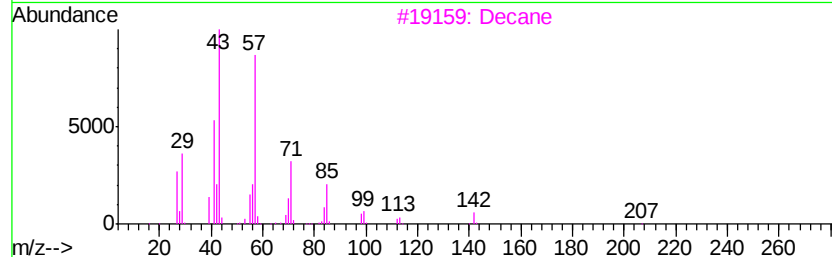
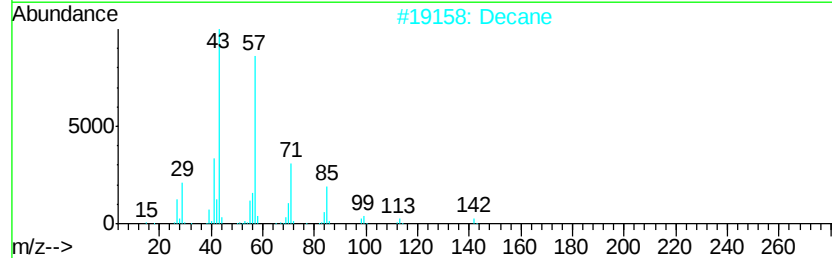
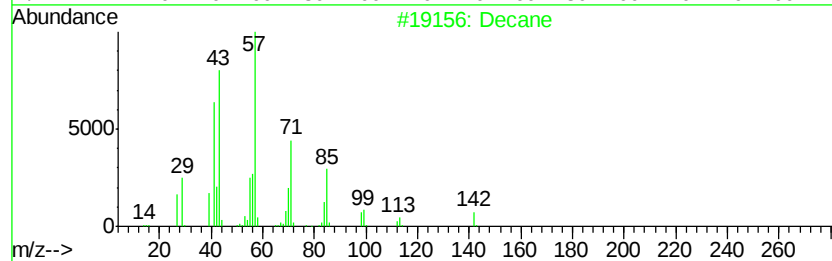
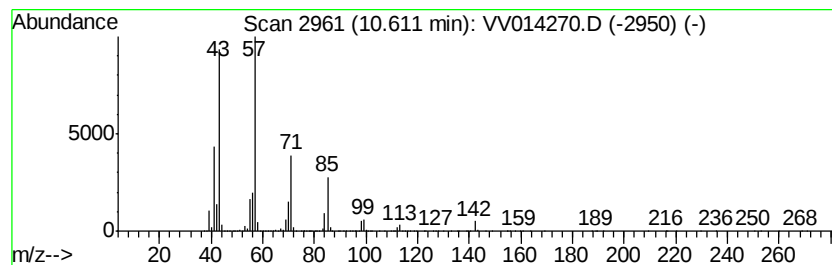
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc   | Area    | Relative to ISTD       | R.T.  |
|-------|-----------|---------|------------------------|-------|
| 10.61 | 4.52 ug/L | 2589940 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of       | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----------|---|--------------|-----|---------|-------------|------|
| 1    | Decane   |   |              | 142 | C10H22  | 000124-18-5 | 95   |
| 2    | Decane   |   |              | 142 | C10H22  | 000124-18-5 | 91   |
| 3    | Decane   |   |              | 142 | C10H22  | 000124-18-5 | 90   |
| 4    | Decane   |   |              | 142 | C10H22  | 000124-18-5 | 81   |
| 5    | Undecane |   |              | 156 | C11H24  | 001120-21-4 | 78   |



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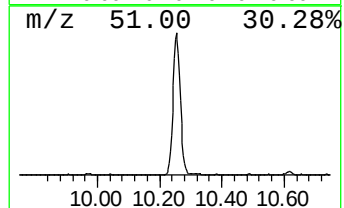
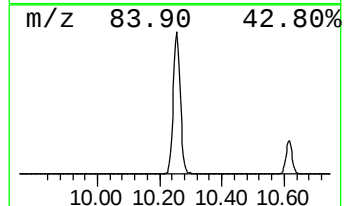
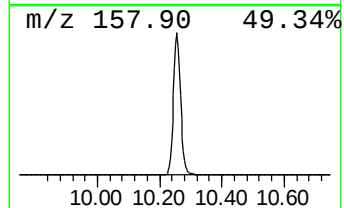
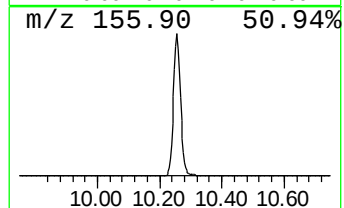
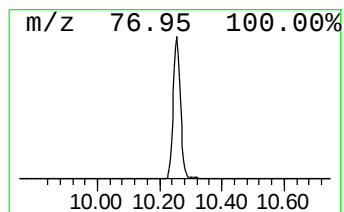
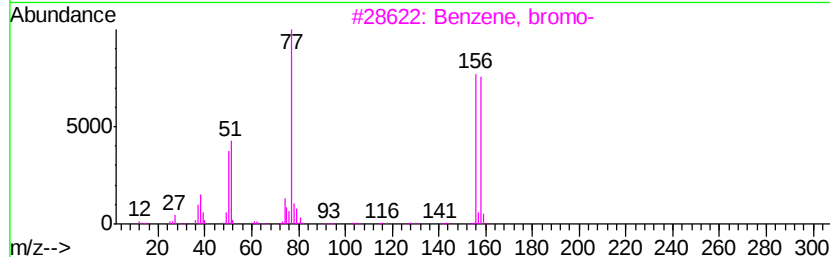
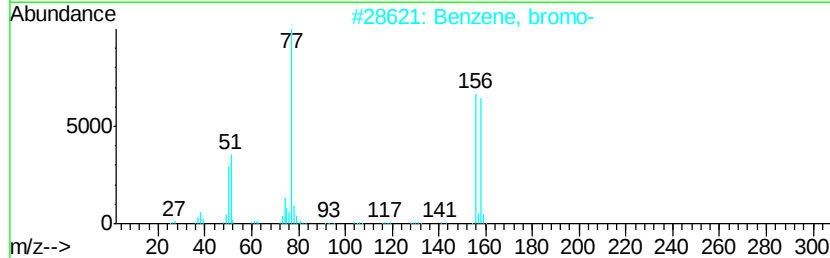
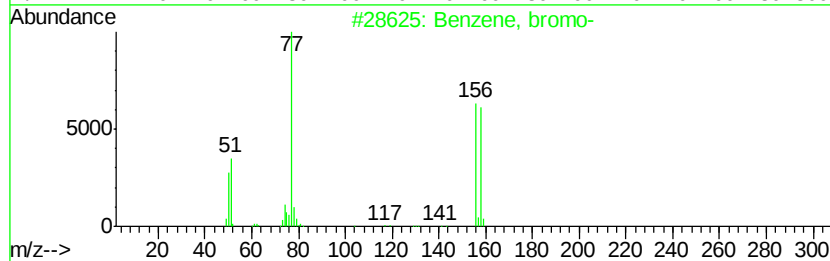
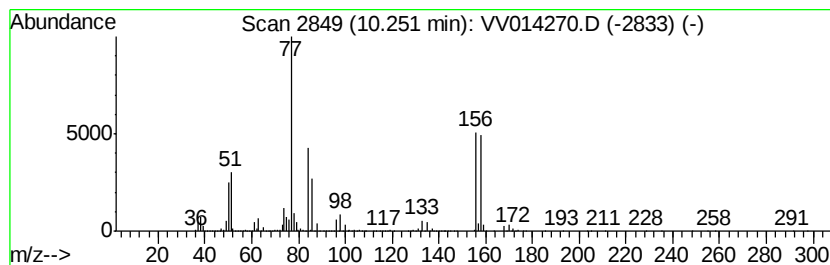
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzene, bromo- Concentration Rank 3

| R.T.  | EstConc   | Area    | Relative to ISTD       | R.T.  |
|-------|-----------|---------|------------------------|-------|
| 10.25 | 5.56 ug/L | 3189000 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID    | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 96   |
| 2    |    | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 96   |
| 3    |    | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 93   |
| 4    |    | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 81   |
| 5    |    | Benzene, bromo- | 156 | C6H5Br  | 000108-86-1 | 60   |



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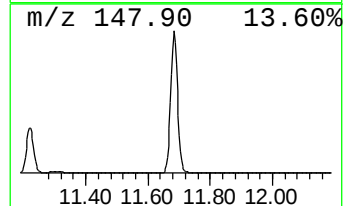
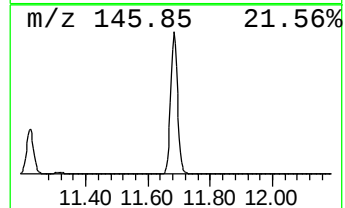
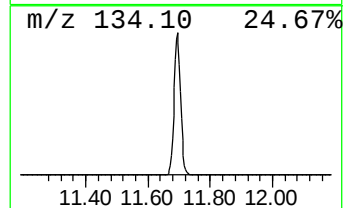
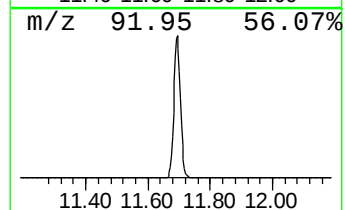
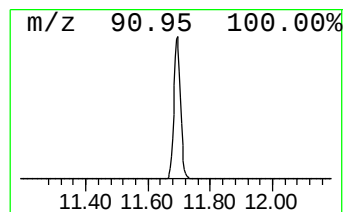
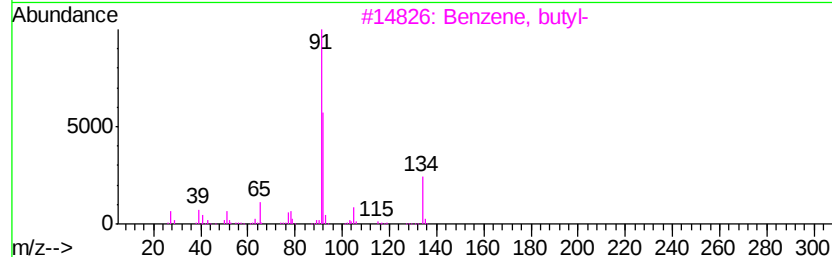
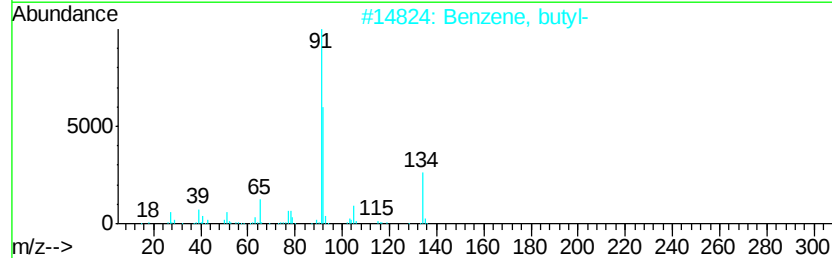
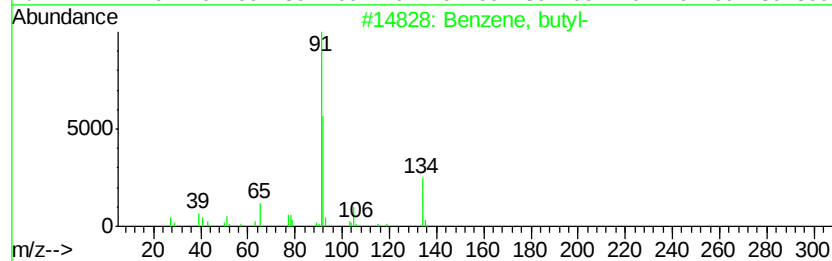
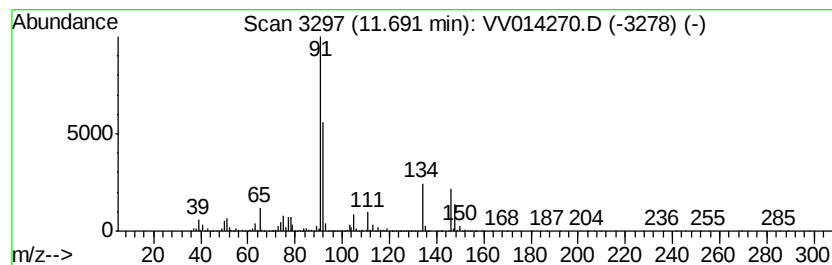
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Quant Title : TRACE VOA SOM01.0

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

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Peak Number 5 Benzene, butyl- Concentration Rank 5

| R.T.  | EstConc    | Area     | Relative to ISTD       | R.T.  |
|-------|------------|----------|------------------------|-------|
| 11.69 | 25.64 ug/L | 14701600 | 1,4-Dichlorobenzene-d4 | 11.29 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, butyl-            | 134 | C10H14  | 000104-51-8 | 94   |
| 2    |    | Benzene, butyl-            | 134 | C10H14  | 000104-51-8 | 94   |
| 3    |    | Benzene, butyl-            | 134 | C10H14  | 000104-51-8 | 93   |
| 4    |    | Benzene, butyl-            | 134 | C10H14  | 000104-51-8 | 87   |
| 5    |    | Benzene, (2-methylpropyl)- | 134 | C10H14  | 000538-93-2 | 83   |



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Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L  
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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Str... | 10.61 | 4.5     | ug/L  | 2589940  | 3                     | 11.29 | 2866760 | 5.0  |
| Benzene, bromo-      | 10.25 | 5.6     | ug/L  | 3189000  | 3                     | 11.29 | 2866760 | 5.0  |
| Benzene, butyl-      | 11.69 | 25.6    | ug/L  | 14701600 | 3                     | 11.29 | 2866760 | 5.0  |