

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071420\  
 Data File : VV017491.D  
 Acq On : 14 Jul 2020 18:27  
 Operator : SY/MD  
 Sample : L3281-07  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAXW7

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\SOMVTR071420WMA.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         | 1.116       | 3             | 8           | 24           | rVB      | 102091         | 115223        | 26.31%          | 2.662%        |
| 2         | 1.187       | 26            | 30          | 36           | rVV2     | 9591           | 9355          | 2.14%           | 0.216%        |
| 3         | 1.225       | 37            | 42          | 48           | rVB      | 20900          | 19192         | 4.38%           | 0.443%        |
| 4         | 1.315       | 61            | 70          | 84           | rVB2     | 98001          | 125107        | 28.56%          | 2.890%        |
| 5         | 1.396       | 89            | 95          | 101          | rBV      | 14805          | 19123         | 4.37%           | 0.442%        |
| 6         | 1.579       | 139           | 152         | 161          | rVB      | 53758          | 62966         | 14.38%          | 1.455%        |
| 7         | 1.647       | 166           | 173         | 186          | rVB      | 14885          | 20438         | 4.67%           | 0.472%        |
| 8         | 1.778       | 209           | 214         | 221          | rBV5     | 6846           | 8094          | 1.85%           | 0.187%        |
| 9         | 1.823       | 221           | 228         | 243          | rVB4     | 11534          | 22823         | 5.21%           | 0.527%        |
| 10        | 1.994       | 272           | 281         | 288          | rBV10    | 4748           | 8364          | 1.91%           | 0.193%        |
| 11        | 2.039       | 291           | 295         | 303          | rVB7     | 4104           | 5700          | 1.30%           | 0.132%        |
| 12        | 2.126       | 312           | 322         | 333          | rBV      | 110056         | 164839        | 37.63%          | 3.808%        |
| 13        | 2.196       | 335           | 344         | 360          | rVB      | 10517          | 29587         | 6.75%           | 0.684%        |
| 14        | 2.971       | 576           | 585         | 586          | rBV7     | 3952           | 4765          | 1.09%           | 0.110%        |
| 15        | 3.926       | 869           | 882         | 901          | rBV      | 44885          | 138958        | 31.73%          | 3.210%        |
| 16        | 4.119       | 931           | 942         | 951          | rBV3     | 5405           | 11558         | 2.64%           | 0.267%        |
| 17        | 4.380       | 1007          | 1023        | 1042         | rBV      | 77643          | 199030        | 45.44%          | 4.598%        |
| 18        | 5.074       | 1223          | 1239        | 1264         | rBV2     | 176263         | 438006        | 100.00%         | 10.119%       |
| 19        | 5.643       | 1403          | 1416        | 1436         | rBV      | 162268         | 325781        | 74.38%          | 7.527%        |
| 20        | 5.929       | 1493          | 1505        | 1513         | rBV10    | 4111           | 8516          | 1.94%           | 0.197%        |
| 21        | 6.096       | 1543          | 1557        | 1579         | rBV      | 98627          | 208818        | 47.67%          | 4.824%        |
| 22        | 6.322       | 1619          | 1627        | 1637         | rBV10    | 4237           | 7460          | 1.70%           | 0.172%        |
| 23        | 7.010       | 1827          | 1841        | 1861         | rBV2     | 52949          | 101022        | 23.06%          | 2.334%        |
| 24        | 7.338       | 1929          | 1943        | 1959         | rBV      | 213672         | 369767        | 84.42%          | 8.543%        |
| 25        | 7.415       | 1959          | 1967        | 1978         | rVB2     | 12535          | 23137         | 5.28%           | 0.535%        |
| 26        | 7.643       | 2027          | 2038        | 2050         | rBV2     | 33123          | 59576         | 13.60%          | 1.376%        |
| 27        | 8.109       | 2173          | 2183        | 2216         | rBV      | 197994         | 369281        | 84.31%          | 8.532%        |
| 28        | 8.267       | 2224          | 2232        | 2244         | rBV6     | 7685           | 12987         | 2.97%           | 0.300%        |
| 29        | 8.875       | 2409          | 2421        | 2437         | rBV      | 246581         | 401010        | 91.55%          | 9.265%        |
| 30        | 9.039       | 2461          | 2472        | 2485         | rBV      | 11837          | 21421         | 4.89%           | 0.495%        |
| 31        | 9.161       | 2499          | 2510        | 2522         | rVB9     | 4862           | 8418          | 1.92%           | 0.194%        |
| 32        | 9.836       | 2707          | 2720        | 2727         | rBV8     | 6323           | 10937         | 2.50%           | 0.253%        |
| 33        | 10.026      | 2769          | 2779        | 2790         | rBV      | 42693          | 70888         | 16.18%          | 1.638%        |
| 34        | 10.238      | 2832          | 2845        | 2860         | rBV2     | 72319          | 116264        | 26.54%          | 2.686%        |

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ClientSampleId :  
GAXW7

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\SOMVTR071420WMA.M  
Title : TRACE VOA SOM01.0

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 11.173 | 3127 | 3136 | 3144 | rBV7 | 7006   | 11763  | 2.69%  | 0.272% |
| 36 | 11.270 | 3153 | 3166 | 3185 | rBV  | 267345 | 411836 | 94.03% | 9.515% |
| 37 | 11.563 | 3246 | 3257 | 3261 | rBV8 | 3239   | 5740   | 1.31%  | 0.133% |
| 38 | 11.646 | 3272 | 3283 | 3303 | rBV  | 225982 | 361679 | 82.57% | 8.356% |
| 39 | 12.366 | 3497 | 3507 | 3516 | rBV5 | 8427   | 13077  | 2.99%  | 0.302% |
| 40 | 13.460 | 3841 | 3847 | 3853 | rBV8 | 4722   | 5910   | 1.35%  | 0.137% |

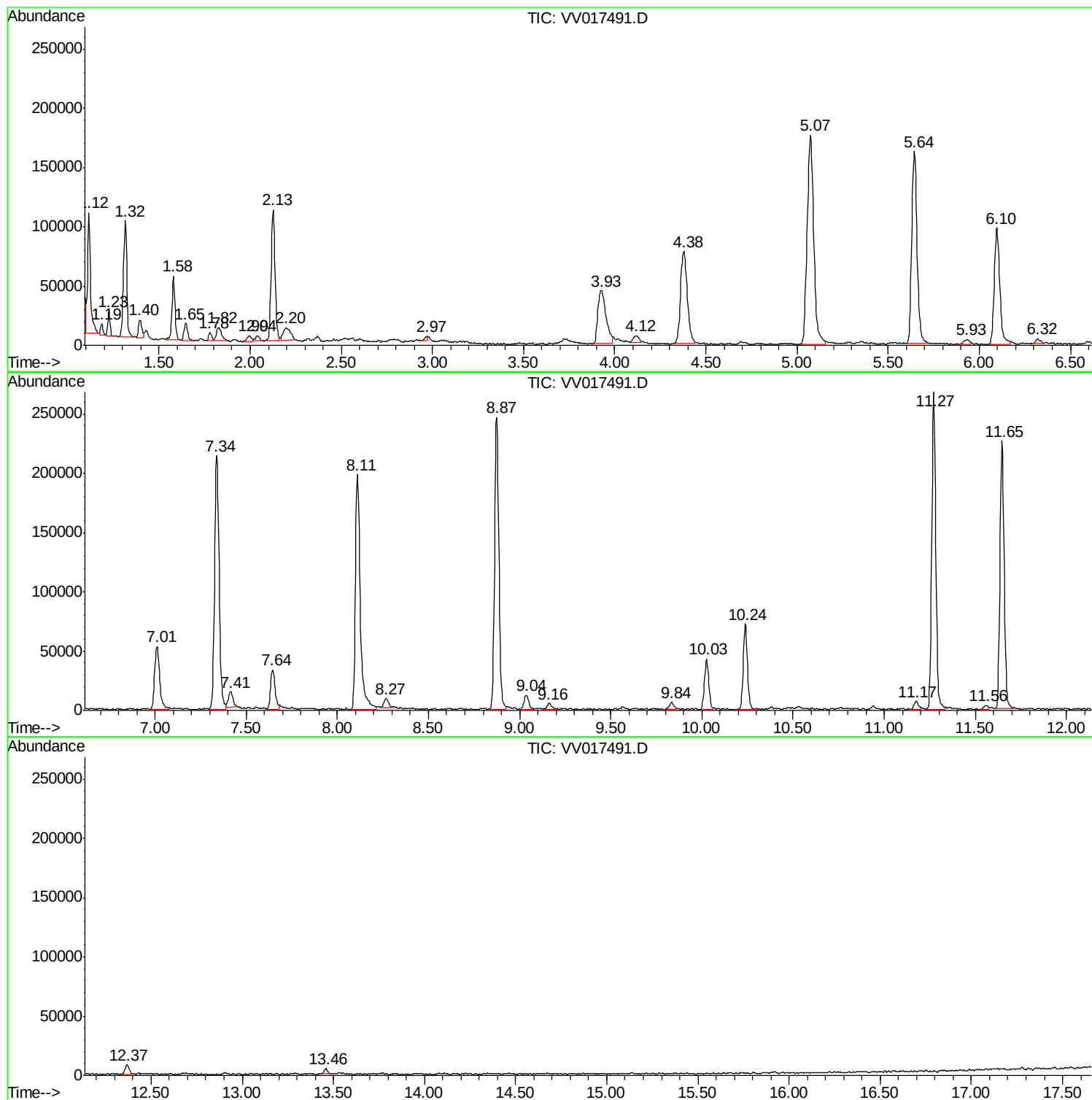
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR071420WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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MSVOA\_V  
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GAXW7

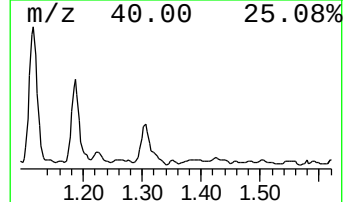
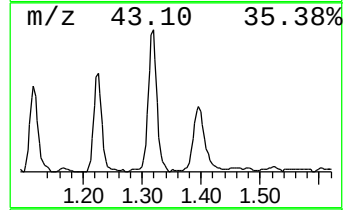
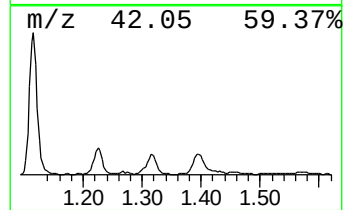
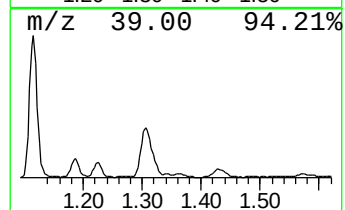
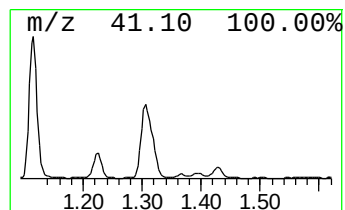
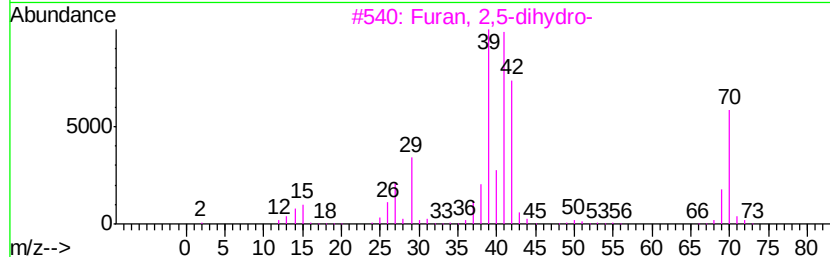
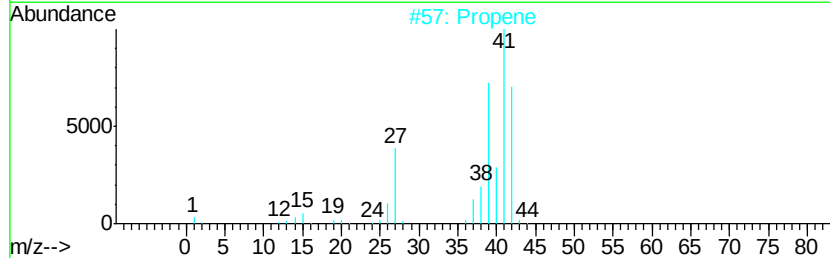
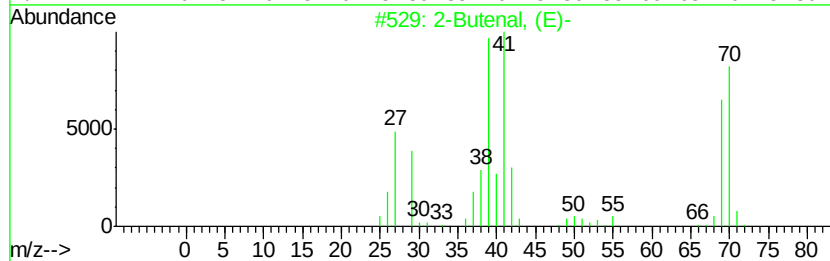
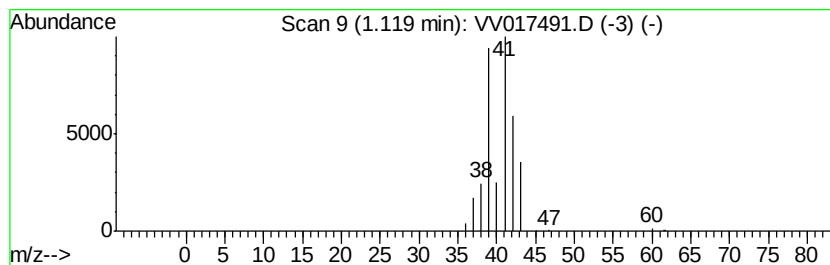
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR071420WMA.M  
Quant Title : TRACE VOA SOM01.0

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

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Peak Number 1 2-Butenal, (E)- Concentration Rank 1

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 1.12 | 1.77 ug/L | 115223 | 1,4-Difluorobenzene | 5.64 |

| Hit# | of | Tentative ID        | MW | MolForm | CAS#        | Qual |
|------|----|---------------------|----|---------|-------------|------|
| 1    | 5  | 2-Butenal, (E)-     | 70 | C4H6O   | 000123-73-9 | 83   |
| 2    |    | Propene             | 42 | C3H6    | 000115-07-1 | 72   |
| 3    |    | Furan, 2,5-dihydro- | 70 | C4H6O   | 001708-29-8 | 72   |
| 4    |    | Dimethylketene      | 70 | C4H6O   | 000598-26-5 | 64   |
| 5    |    | Propene             | 42 | C3H6    | 000115-07-1 | 45   |



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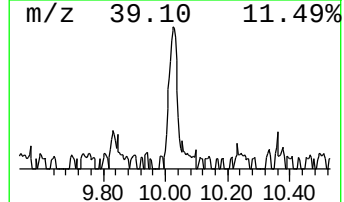
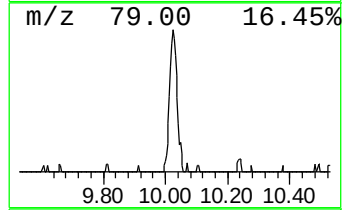
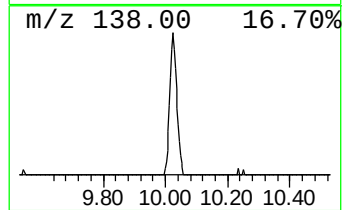
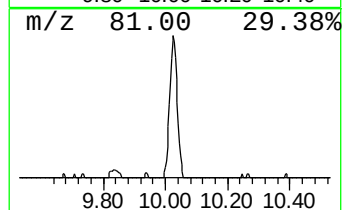
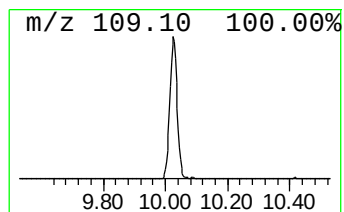
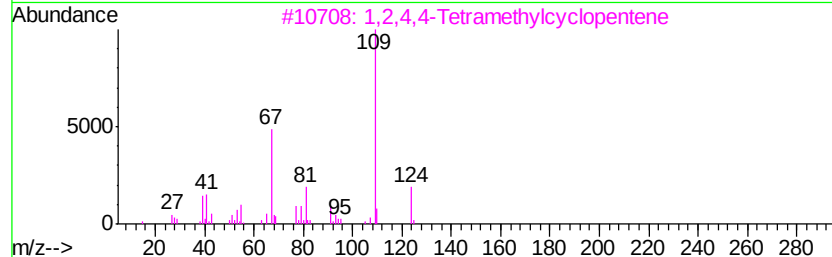
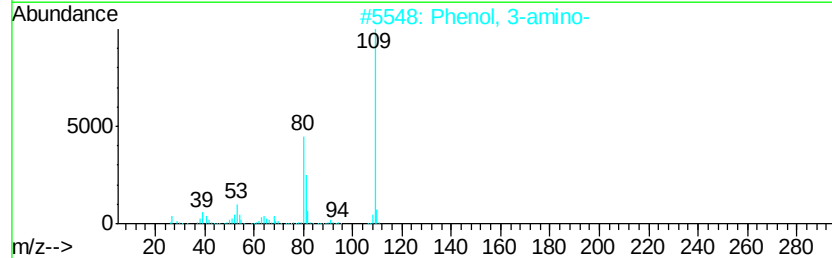
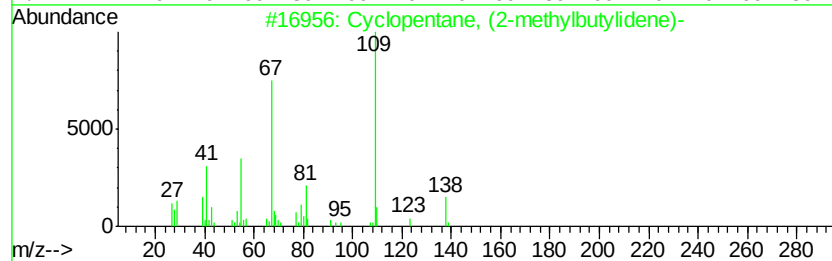
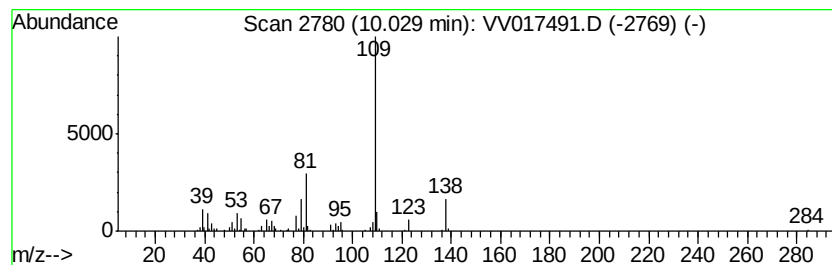
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Cyclopentane, (2-methylbuty... Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD | R.T. |
|-------|-----------|-------|------------------|------|
| 10.03 | 0.88 ug/L | 70888 | Chlorobenzene-d5 | 8.87 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclopentane, (2-methylbutylidene)- | 138 | C10H18  | 053366-54-4 | 86   |
| 2    |    | Phenol, 3-amino-                    | 109 | C6H7NO  | 000591-27-5 | 59   |
| 3    |    | 1,2,4,4-Tetramethylcyclopentene     | 124 | C9H16   | 065378-76-9 | 59   |
| 4    |    | 3,4-Pyridinediamine                 | 109 | C5H7N3  | 000054-96-6 | 58   |
| 5    |    | Phenol, 3-amino-                    | 109 | C6H7NO  | 000591-27-5 | 53   |



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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 |
| 2-Butenal, (E)-      | 1.12  | 1.8     | ug/L  | 115223   | 1                     | 5.64 | 325781 | 5.0  |
| Cyclopentane, (2-... | 10.03 | 0.9     | ug/L  | 70888    | 2                     | 8.87 | 401010 | 5.0  |