

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042419\  
 Data File : VV010469.D  
 Acq On : 24 Apr 2019 18:01  
 Operator : SY/MD  
 Sample : K2477-02  
 Misc : 25mL/MSVOA V/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0X50

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\SOMVTR042419WMA.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       | 5             | 8           | 18           | rVB6     | 8188           | 10165         | 1.40%           | 0.150%        |
| 2         | 1.315       | 52            | 70          | 82           | rBV      | 115789         | 184190        | 25.29%          | 2.712%        |
| 3         | 1.425       | 97            | 104         | 113          | rBV      | 143936         | 160512        | 22.03%          | 2.364%        |
| 4         | 1.579       | 146           | 152         | 165          | rVB      | 77686          | 96967         | 13.31%          | 1.428%        |
| 5         | 2.129       | 314           | 323         | 333          | rBV      | 192145         | 266505        | 36.59%          | 3.925%        |
| 6         | 3.990       | 881           | 902         | 919          | rBV2     | 45811          | 180209        | 24.74%          | 2.654%        |
| 7         | 4.402       | 1012          | 1030        | 1052         | rBV      | 137504         | 366460        | 50.31%          | 5.397%        |
| 8         | 5.093       | 1228          | 1245        | 1271         | rBV3     | 316564         | 728453        | 100.00%         | 10.728%       |
| 9         | 5.662       | 1408          | 1422        | 1443         | rBV2     | 250556         | 507981        | 69.73%          | 7.481%        |
| 10        | 6.122       | 1548          | 1565        | 1593         | rBV      | 163941         | 340111        | 46.69%          | 5.009%        |
| 11        | 7.032       | 1833          | 1848        | 1868         | rBV      | 79688          | 149858        | 20.57%          | 2.207%        |
| 12        | 7.360       | 1935          | 1950        | 1965         | rBV      | 342987         | 618741        | 84.94%          | 9.112%        |
| 13        | 7.666       | 2032          | 2045        | 2066         | rBV2     | 45543          | 84061         | 11.54%          | 1.238%        |
| 14        | 8.145       | 2182          | 2194        | 2234         | rBV      | 296165         | 638830        | 87.70%          | 9.408%        |
| 15        | 8.897       | 2416          | 2428        | 2452         | rBV      | 369310         | 640435        | 87.92%          | 9.431%        |
| 16        | 9.058       | 2469          | 2478        | 2489         | rVB      | 10847          | 16226         | 2.23%           | 0.239%        |
| 17        | 9.180       | 2507          | 2516        | 2526         | rBV4     | 6818           | 11544         | 1.58%           | 0.170%        |
| 18        | 9.604       | 2635          | 2648        | 2667         | rBV      | 84470          | 147624        | 20.27%          | 2.174%        |
| 19        | 10.264      | 2841          | 2853        | 2869         | rBV2     | 122953         | 197239        | 27.08%          | 2.905%        |
| 20        | 10.428      | 2891          | 2904        | 2914         | rBV5     | 5489           | 8574          | 1.18%           | 0.126%        |
| 21        | 11.296      | 3162          | 3174        | 3197         | rBV      | 373953         | 622369        | 85.44%          | 9.165%        |
| 22        | 11.582      | 3252          | 3263        | 3277         | rBV4     | 22009          | 43170         | 5.93%           | 0.636%        |
| 23        | 11.672      | 3278          | 3291        | 3313         | rVB      | 366887         | 609253        | 83.64%          | 8.972%        |
| 24        | 12.402      | 3507          | 3518        | 3525         | rBV9     | 6418           | 11338         | 1.56%           | 0.167%        |
| 25        | 16.363      | 4740          | 4750        | 4761         | rBV      | 101210         | 149652        | 20.54%          | 2.204%        |

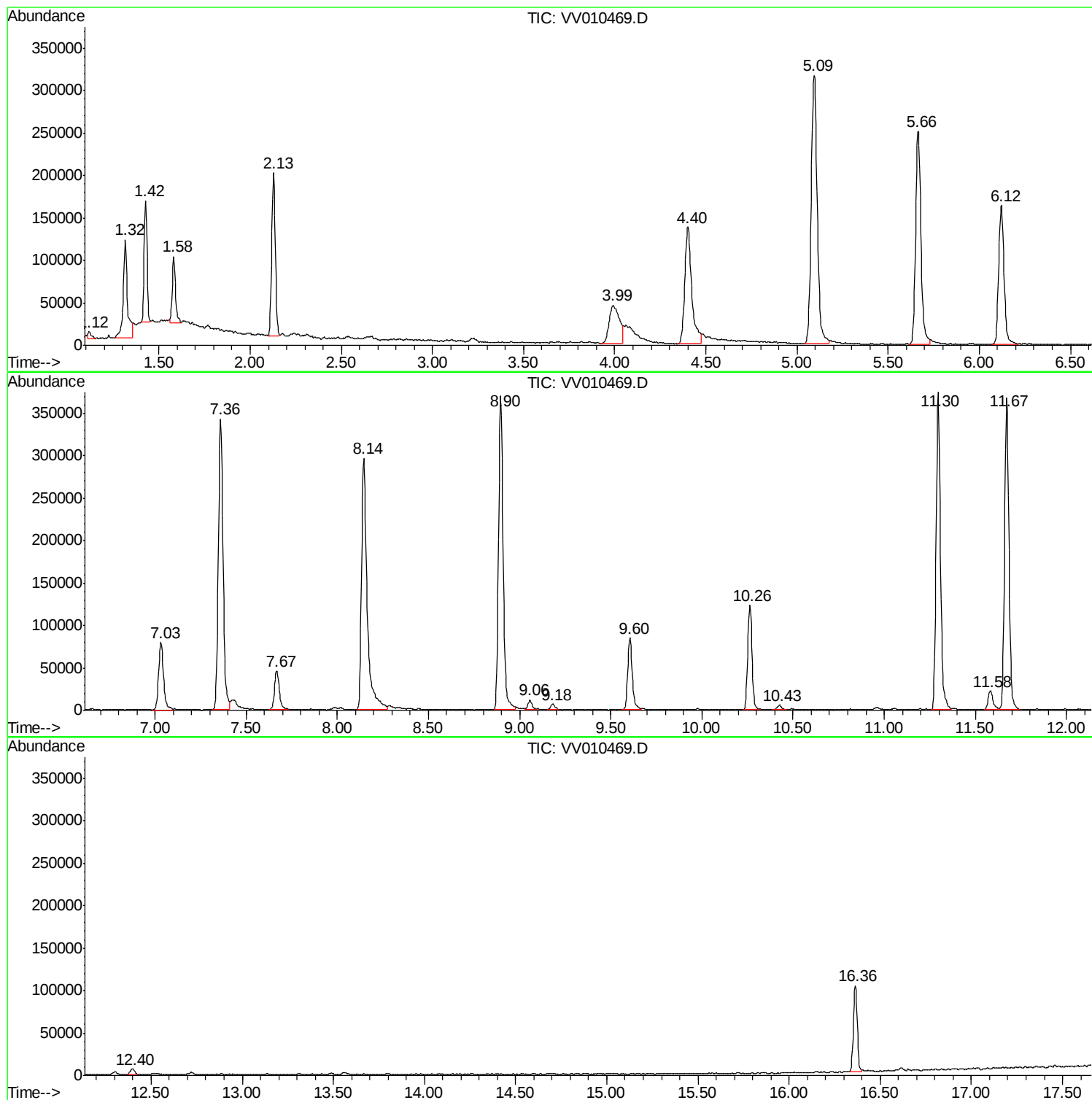
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Instrument :  
MSVOA\_V  
ClientSampled :  
C0X50

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR042419WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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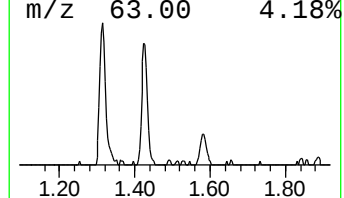
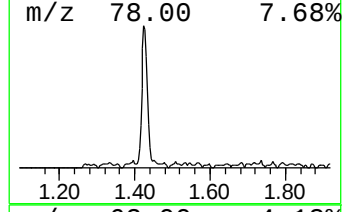
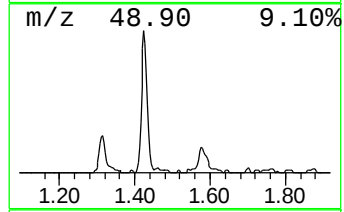
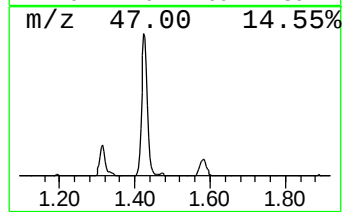
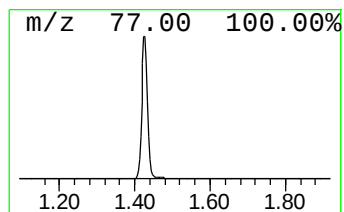
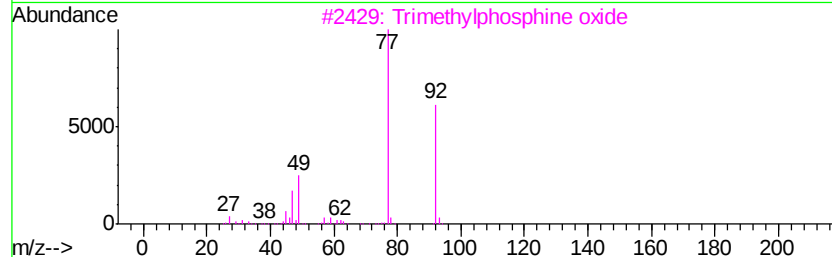
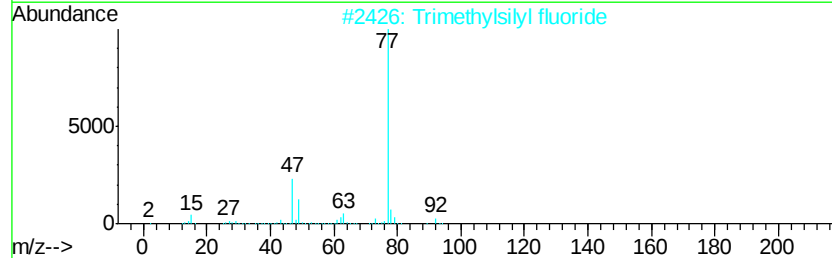
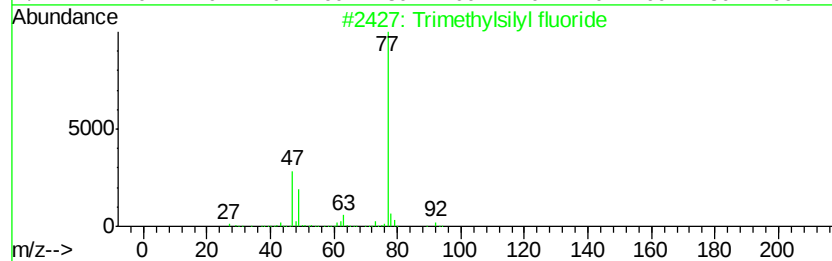
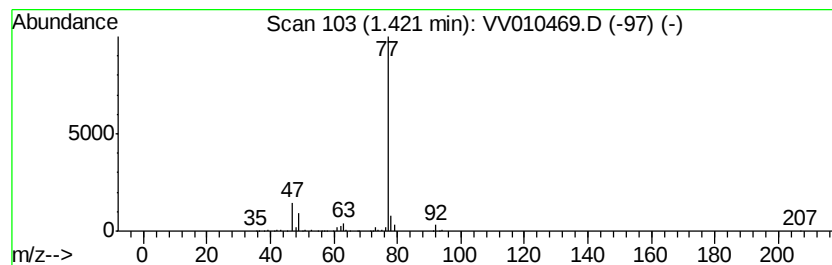
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Trimethylsilyl fluoride Concentration Rank 1

| R.T. | EstConc   | Area   | Relative to ISTD    | R.T. |
|------|-----------|--------|---------------------|------|
| 1.42 | 1.58 ug/L | 160512 | 1,4-Difluorobenzene | 5.67 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------------|-----|----------|-------------|------|
| 1    |    |   | Trimethylsilyl fluoride         | 92  | C3H9FSi  | 000420-56-4 | 91   |
| 2    |    |   | Trimethylsilyl fluoride         | 92  | C3H9FSi  | 000420-56-4 | 49   |
| 3    |    |   | Trimethylphosphine oxide        | 92  | C3H9OP   | 000676-96-0 | 39   |
| 4    |    |   | Propane, 1,2-dichloro-2-methyl- | 126 | C4H8Cl2  | 000594-37-6 | 9    |
| 5    |    |   | Silanediol, dimethyl-           | 92  | C2H8O2Si | 001066-42-8 | 4    |



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Quant Title : TRACE VOA SOM01.0

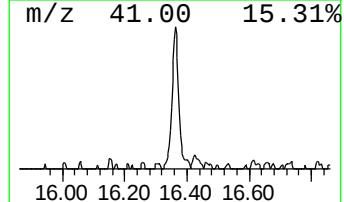
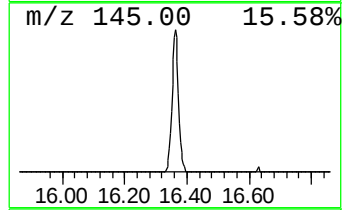
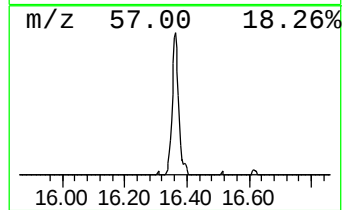
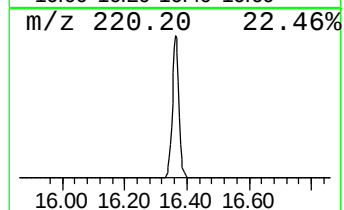
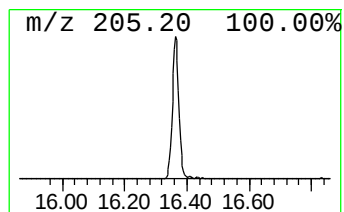
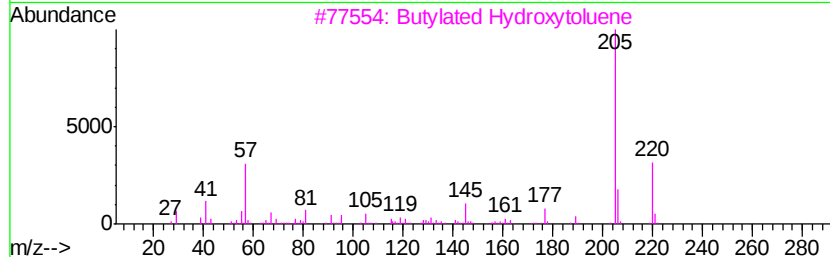
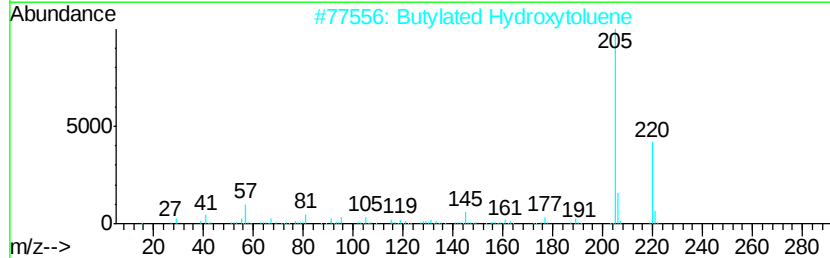
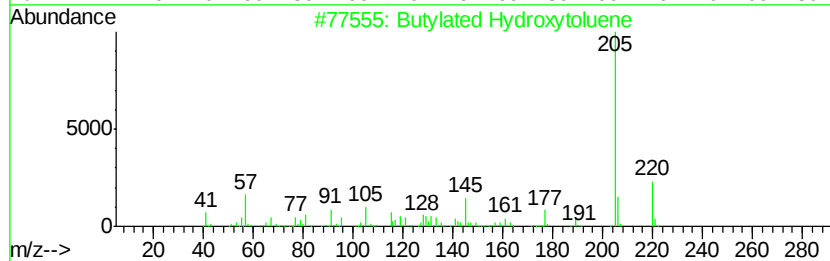
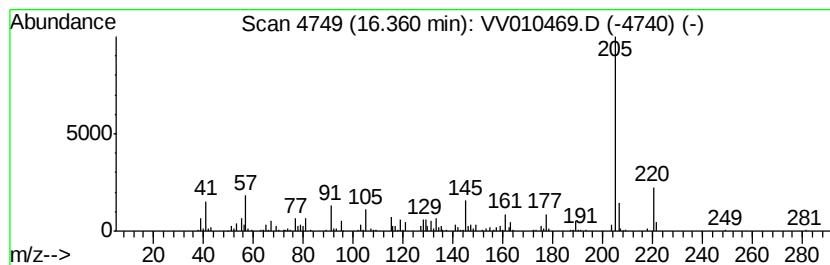
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 Butylated Hydroxytoluene Concentration Rank 3

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 16.36 | 1.20 ug/L | 149652 | 1,4-Dichlorobenzene-d4 | 11.30 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Butylated Hydroxytoluene           | 220 | C15H24O | 000128-37-0 | 99   |
| 2    |    |   | Butylated Hydroxytoluene           | 220 | C15H24O | 000128-37-0 | 94   |
| 3    |    |   | Butylated Hydroxytoluene           | 220 | C15H24O | 000128-37-0 | 93   |
| 4    |    |   | Phenol, 2,4,6-tris(1-methylethyl)- | 220 | C15H24O | 002934-07-8 | 90   |
| 5    |    |   | Phenol, 4,6-di(1,1-dimethylethyl)- | 220 | C15H24O | 000616-55-7 | 81   |



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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 |
| Trimethylsilyl fl... | 1.42  | 1.6     | ug/L  | 160512   | 1                     | 5.67  | 507981 | 5.0  |
| Butylated Hydroxy... | 16.36 | 1.2     | ug/L  | 149652   | 3                     | 11.30 | 622369 | 5.0  |