

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060619\  
 Data File : VW010713.D  
 Acq On : 06 Jun 2019 16:45  
 Operator : SY/VA  
 Sample : K3218-04  
 Misc : 4.13G/5ML/MSVOA W/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 RBR-200027

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 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\_W\METHOD\82W060419S.M  
 Title : SW846 8260

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         | 1.959       | 4             | 9           | 23           | rVB      | 55392          | 89783         | 6.69%           | 1.087%        |
| 2         | 2.172       | 37            | 44          | 49           | rBV      | 13196          | 19662         | 1.47%           | 0.238%        |
| 3         | 2.349       | 65            | 73          | 81           | rBV      | 167320         | 255367        | 19.03%          | 3.091%        |
| 4         | 3.019       | 178           | 183         | 191          | rBV4     | 7727           | 15515         | 1.16%           | 0.188%        |
| 5         | 3.385       | 235           | 243         | 252          | rVB      | 6721           | 15754         | 1.17%           | 0.191%        |
| 6         | 4.915       | 482           | 494         | 509          | rBV2     | 21195          | 70794         | 5.28%           | 0.857%        |
| 7         | 5.434       | 567           | 579         | 591          | rBV3     | 9699           | 32328         | 2.41%           | 0.391%        |
| 8         | 5.940       | 653           | 662         | 674          | rVB3     | 7103           | 23037         | 1.72%           | 0.279%        |
| 9         | 7.884       | 971           | 981         | 986          | rBV      | 148452         | 361319        | 26.93%          | 4.373%        |
| 10        | 7.945       | 986           | 991         | 1004         | rVB      | 290364         | 643819        | 47.98%          | 7.792%        |
| 11        | 8.311       | 1039          | 1051        | 1062         | rBV2     | 203856         | 502135        | 37.42%          | 6.077%        |
| 12        | 8.842       | 1125          | 1138        | 1155         | rBV      | 463852         | 916552        | 68.30%          | 11.093%       |
| 13        | 9.335       | 1210          | 1219        | 1226         | rBV      | 15086          | 30111         | 2.24%           | 0.364%        |
| 14        | 10.323      | 1373          | 1381        | 1387         | rBV      | 758733         | 1341853       | 100.00%         | 16.240%       |
| 15        | 10.390      | 1387          | 1392        | 1405         | rVB      | 572643         | 988798        | 73.69%          | 11.967%       |
| 16        | 11.634      | 1587          | 1596        | 1605         | rBV      | 619150         | 1051543       | 78.36%          | 12.727%       |
| 17        | 11.731      | 1606          | 1612        | 1620         | rVB      | 21695          | 38760         | 2.89%           | 0.469%        |
| 18        | 11.841      | 1624          | 1630        | 1639         | rBV2     | 8741           | 17193         | 1.28%           | 0.208%        |
| 19        | 12.164      | 1678          | 1683        | 1689         | rVB2     | 8714           | 14747         | 1.10%           | 0.178%        |
| 20        | 12.621      | 1750          | 1758        | 1767         | rBV      | 514404         | 828522        | 61.74%          | 10.027%       |
| 21        | 13.560      | 1905          | 1912        | 1920         | rBV      | 597803         | 944702        | 70.40%          | 11.434%       |
| 22        | 14.078      | 1990          | 1997        | 2004         | rVB      | 13239          | 23017         | 1.72%           | 0.279%        |
| 23        | 15.505      | 2224          | 2231        | 2238         | rBV      | 20358          | 37189         | 2.77%           | 0.450%        |

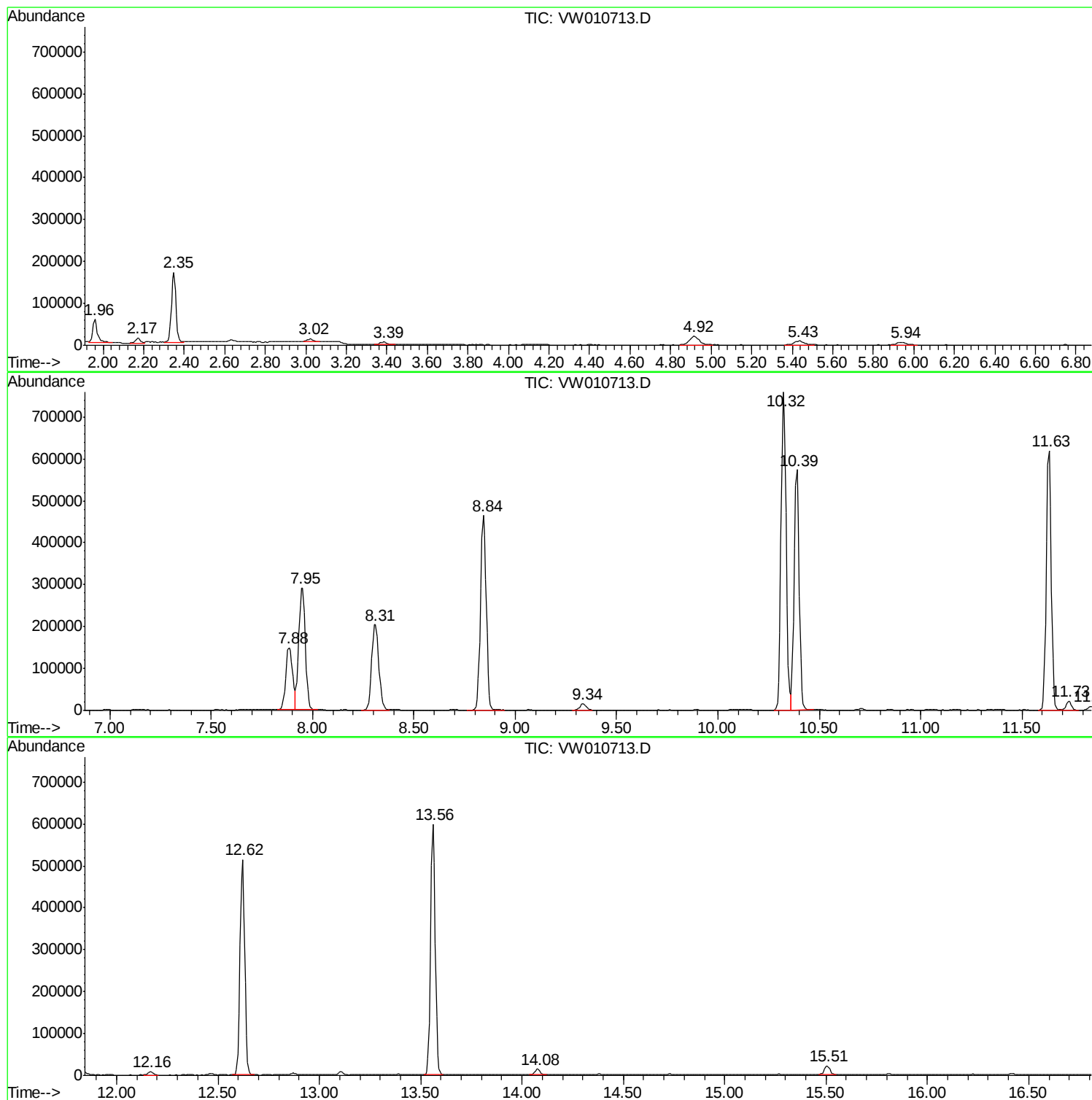
Sum of corrected areas: 8262500

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Instrument :  
MSVOA\_W  
ClientSampleId :  
RBR-200027

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W060419S.M  
Quant Title : SW846 8260

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



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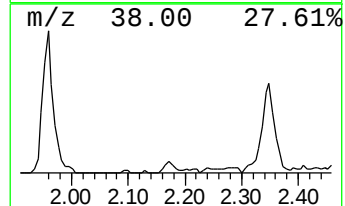
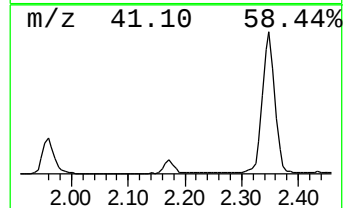
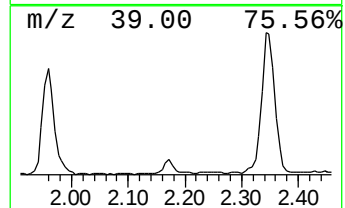
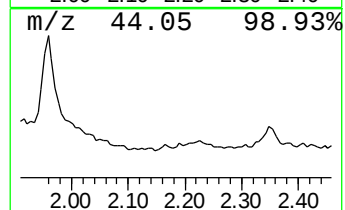
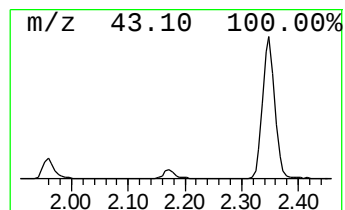
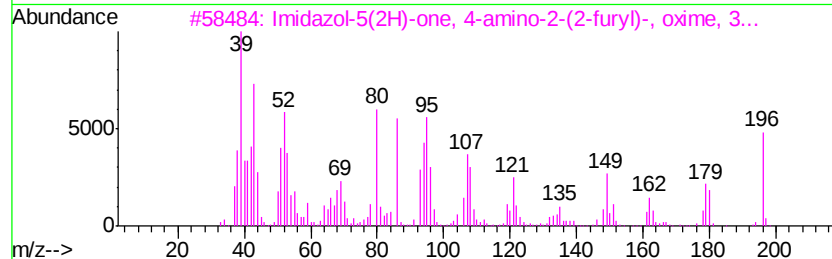
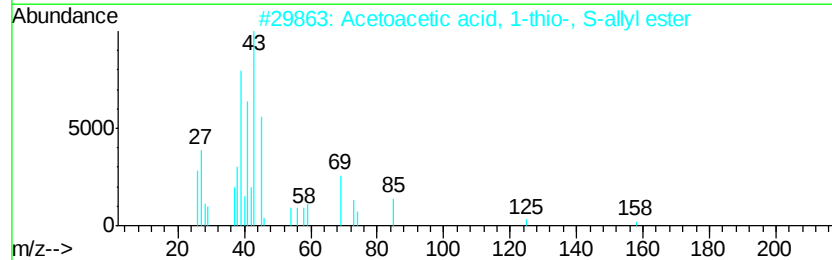
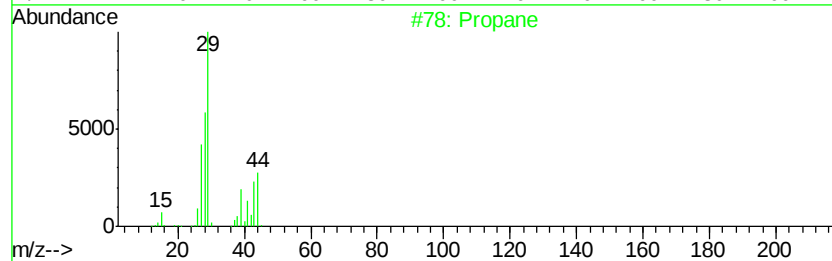
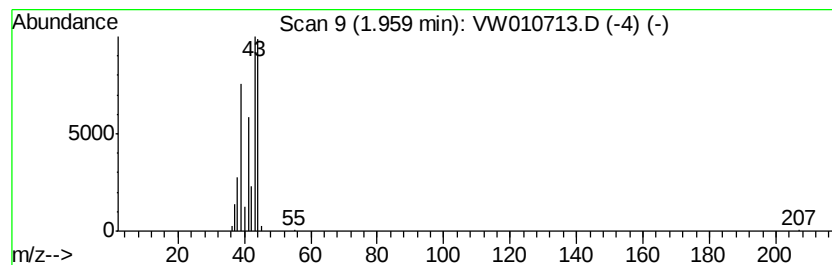
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Propane Concentration Rank 2

| R.T. | EstConc   | Area  | Relative to ISTD   | R.T. |
|------|-----------|-------|--------------------|------|
| 1.96 | 6.97 ug/l | 89783 | Pentafluorobenzene | 7.95 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Propane                             | 44  | C3H8       | 000074-98-6 | 83   |
| 2    |    | Acetoacetic acid, 1-thio-, S-all... | 158 | C7H10O2S   | 015780-65-1 | 64   |
| 3    |    | Imidazol-5(2H)-one, 4-amino-2-(2... | 196 | C7H8N4O3   | 318259-17-5 | 50   |
| 4    |    | 2-Hexynoic acid                     | 112 | C6H8O2     | 000764-33-0 | 43   |
| 5    |    | Bis(3-methylbutyl) fluorene-2,7-... | 466 | C23H30O6S2 | 253664-95-8 | 42   |



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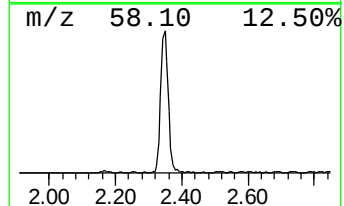
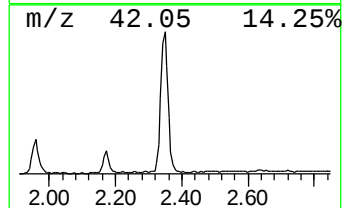
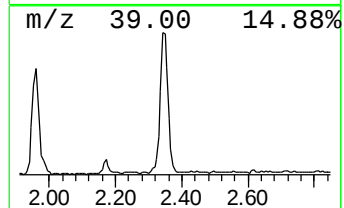
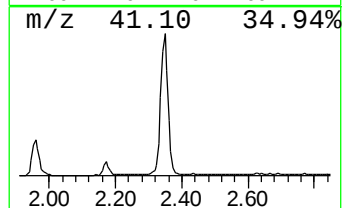
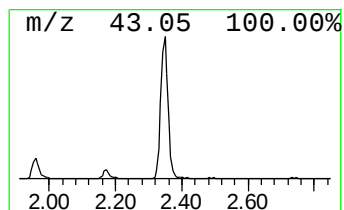
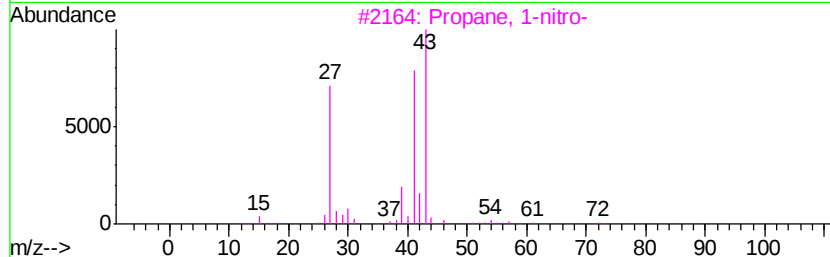
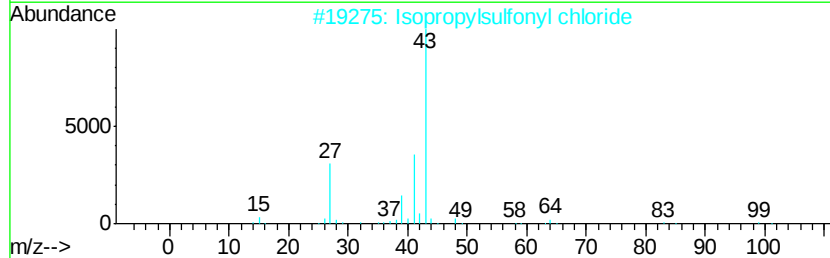
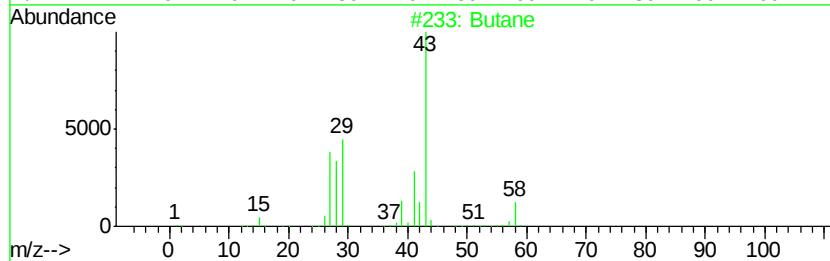
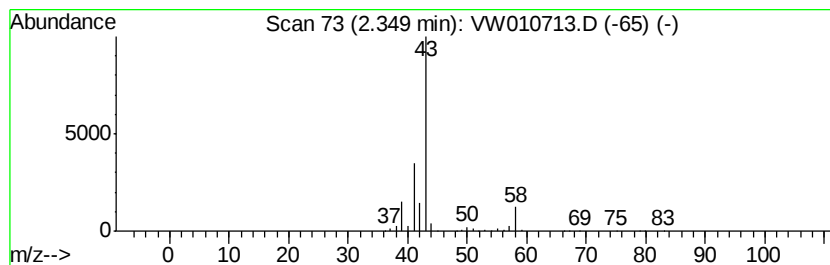
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Peak Number 2 Butane Concentration Rank 1

| R.T. | EstConc    | Area   | Relative to ISTD   | R.T. |
|------|------------|--------|--------------------|------|
| 2.35 | 19.83 ug/l | 255367 | Pentafluorobenzene | 7.95 |

| Hit# | of | Tentative ID               | MW  | MolForm   | CAS#        | Qual |
|------|----|----------------------------|-----|-----------|-------------|------|
| 1    | 5  | Butane                     | 58  | C4H10     | 000106-97-8 | 80   |
| 2    |    | Isopropylsulfonyl chloride | 142 | C3H7ClO2S | 010147-37-2 | 9    |
| 3    |    | Propane, 1-nitro-          | 89  | C3H7NO2   | 000108-03-2 | 9    |
| 4    |    | Isobutane                  | 58  | C4H10     | 000075-28-5 | 9    |
| 5    |    | Diazene, dimethyl-         | 58  | C2H6N2    | 000503-28-6 | 5    |



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| TIC Top Hit name | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                  |      |         |       |          | #                     | RT   | Resp   | Conc |
| Propane          | 1.96 | 7.0     | ug/l  | 89783    | 1                     | 7.95 | 643819 | 50.0 |
| Butane           | 2.35 | 19.8    | ug/l  | 255367   | 1                     | 7.95 | 643819 | 50.0 |