

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021219\  
 Data File : VW008630.D  
 Acq On : 12 Feb 2019 18:32  
 Operator : SY/VA  
 Sample : K1343-13  
 Misc : 5.95G/5ML/MSVOA W/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 JC-02-021119-G

## 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\82W012419S.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         | 1.965       | 5             | 10          | 24           | rBV2     | 44459          | 106493        | 7.65%           | 1.052%        |
| 2         | 2.349       | 68            | 73          | 82           | rBV      | 54516          | 109634        | 7.88%           | 1.083%        |
| 3         | 3.032       | 178           | 185         | 190          | rBV4     | 14699          | 34043         | 2.45%           | 0.336%        |
| 4         | 3.373       | 238           | 241         | 248          | rVB3     | 26103          | 51190         | 3.68%           | 0.505%        |
| 5         | 4.123       | 355           | 364         | 371          | rBV2     | 24005          | 63576         | 4.57%           | 0.628%        |
| 6         | 4.367       | 393           | 404         | 409          | rBV2     | 16194          | 48021         | 3.45%           | 0.474%        |
| 7         | 4.910       | 479           | 493         | 507          | rBV6     | 25316          | 96375         | 6.92%           | 0.952%        |
| 8         | 5.928       | 651           | 660         | 669          | rVB4     | 10906          | 33617         | 2.41%           | 0.332%        |
| 9         | 6.982       | 824           | 833         | 839          | rVB9     | 5813           | 16905         | 1.21%           | 0.167%        |
| 10        | 7.141       | 846           | 859         | 874          | rBV      | 60353          | 178876        | 12.85%          | 1.766%        |
| 11        | 7.878       | 970           | 980         | 985          | rBV      | 187853         | 457786        | 32.88%          | 4.521%        |
| 12        | 7.939       | 985           | 990         | 1000         | rVB      | 349966         | 785513        | 56.43%          | 7.757%        |
| 13        | 8.147       | 1020          | 1024        | 1033         | rVB7     | 7445           | 17045         | 1.22%           | 0.168%        |
| 14        | 8.256       | 1033          | 1042        | 1043         | rBV      | 19011          | 37101         | 2.67%           | 0.366%        |
| 15        | 8.305       | 1043          | 1050        | 1062         | rVB2     | 215888         | 536780        | 38.56%          | 5.301%        |
| 16        | 8.695       | 1106          | 1114        | 1121         | rBV5     | 14995          | 35954         | 2.58%           | 0.355%        |
| 17        | 8.842       | 1129          | 1138        | 1146         | rBV      | 502865         | 1005156       | 72.20%          | 9.926%        |
| 18        | 9.329       | 1208          | 1218        | 1223         | rBV3     | 23765          | 54131         | 3.89%           | 0.535%        |
| 19        | 9.951       | 1316          | 1320        | 1325         | rBV5     | 7278           | 14285         | 1.03%           | 0.141%        |
| 20        | 10.092      | 1335          | 1343        | 1348         | rBV10    | 8836           | 21216         | 1.52%           | 0.210%        |
| 21        | 10.323      | 1372          | 1381        | 1387         | rBV      | 778896         | 1392098       | 100.00%         | 13.747%       |
| 22        | 10.384      | 1387          | 1391        | 1400         | rVV      | 103576         | 184731        | 13.27%          | 1.824%        |
| 23        | 10.506      | 1404          | 1411        | 1418         | rVB4     | 13697          | 31142         | 2.24%           | 0.308%        |
| 24        | 10.707      | 1440          | 1444        | 1449         | rVB      | 15092          | 24531         | 1.76%           | 0.242%        |
| 25        | 10.762      | 1449          | 1453        | 1462         | rVB      | 5973           | 15381         | 1.10%           | 0.152%        |
| 26        | 11.067      | 1499          | 1503        | 1507         | rBV6     | 15920          | 29900         | 2.15%           | 0.295%        |
| 27        | 11.171      | 1518          | 1520        | 1527         | rVV8     | 12334          | 20929         | 1.50%           | 0.207%        |
| 28        | 11.232      | 1528          | 1530        | 1536         | rVB7     | 11371          | 14276         | 1.03%           | 0.141%        |
| 29        | 11.628      | 1589          | 1595        | 1606         | rVB      | 683977         | 1167577       | 83.87%          | 11.530%       |
| 30        | 11.731      | 1606          | 1612        | 1618         | rVB      | 48055          | 79235         | 5.69%           | 0.782%        |
| 31        | 11.841      | 1621          | 1630        | 1635         | rBV      | 70236          | 139310        | 10.01%          | 1.376%        |
| 32        | 12.164      | 1678          | 1683        | 1691         | rVB      | 42289          | 83026         | 5.96%           | 0.820%        |
| 33        | 12.463      | 1730          | 1732        | 1743         | rVB9     | 13781          | 26746         | 1.92%           | 0.264%        |
| 34        | 12.561      | 1743          | 1748        | 1751         | rVV3     | 14851          | 23000         | 1.65%           | 0.227%        |

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 ALS Vial : 18 Sample Multiplier: 1

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 ClientSampleId :  
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
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Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
 Title : SW846 8260

|    |        |      |      |      |       |        |         |        |         |
|----|--------|------|------|------|-------|--------|---------|--------|---------|
| 35 | 12.622 | 1751 | 1758 | 1766 | rVB2  | 579585 | 986611  | 70.87% | 9.743%  |
| 36 | 12.871 | 1794 | 1799 | 1802 | rBV   | 48272  | 84453   | 6.07%  | 0.834%  |
| 37 | 12.902 | 1802 | 1804 | 1807 | rVV2  | 28267  | 39982   | 2.87%  | 0.395%  |
| 38 | 12.939 | 1807 | 1810 | 1816 | rVB7  | 22672  | 43209   | 3.10%  | 0.427%  |
| 39 | 13.103 | 1828 | 1837 | 1844 | rBV2  | 63206  | 144088  | 10.35% | 1.423%  |
| 40 | 13.256 | 1858 | 1862 | 1865 | rBV2  | 18435  | 25583   | 1.84%  | 0.253%  |
| 41 | 13.304 | 1866 | 1870 | 1874 | rBV7  | 13262  | 28124   | 2.02%  | 0.278%  |
| 42 | 13.451 | 1890 | 1894 | 1896 | rBV4  | 9307   | 15921   | 1.14%  | 0.157%  |
| 43 | 13.560 | 1906 | 1912 | 1920 | rVB   | 628821 | 1013857 | 72.83% | 10.012% |
| 44 | 13.762 | 1940 | 1945 | 1947 | rBV4  | 15155  | 25844   | 1.86%  | 0.255%  |
| 45 | 13.792 | 1947 | 1950 | 1957 | rVB2  | 20953  | 36689   | 2.64%  | 0.362%  |
| 46 | 13.877 | 1961 | 1964 | 1971 | rBV8  | 11656  | 23525   | 1.69%  | 0.232%  |
| 47 | 14.079 | 1993 | 1997 | 2008 | rVB2  | 44670  | 107473  | 7.72%  | 1.061%  |
| 48 | 14.213 | 2014 | 2019 | 2022 | rBV5  | 14740  | 25631   | 1.84%  | 0.253%  |
| 49 | 14.335 | 2035 | 2039 | 2044 | rVB6  | 15735  | 24732   | 1.78%  | 0.244%  |
| 50 | 14.694 | 2093 | 2098 | 2101 | rBV4  | 16909  | 30602   | 2.20%  | 0.302%  |
| 51 | 14.810 | 2109 | 2117 | 2123 | rBV5  | 36501  | 92978   | 6.68%  | 0.918%  |
| 52 | 14.963 | 2138 | 2142 | 2149 | rVB3  | 28264  | 48521   | 3.49%  | 0.479%  |
| 53 | 15.072 | 2156 | 2160 | 2163 | rBV6  | 10920  | 18340   | 1.32%  | 0.181%  |
| 54 | 15.176 | 2174 | 2177 | 2184 | rVB6  | 18475  | 39889   | 2.87%  | 0.394%  |
| 55 | 15.365 | 2205 | 2208 | 2213 | rVB   | 10672  | 15795   | 1.13%  | 0.156%  |
| 56 | 15.658 | 2250 | 2256 | 2257 | rBV6  | 13873  | 23108   | 1.66%  | 0.228%  |
| 57 | 15.871 | 2278 | 2291 | 2298 | rVB5  | 36003  | 97212   | 6.98%  | 0.960%  |
| 58 | 15.956 | 2301 | 2305 | 2310 | rVV7  | 7264   | 14336   | 1.03%  | 0.142%  |
| 59 | 16.036 | 2314 | 2318 | 2331 | rVB10 | 13746  | 35197   | 2.53%  | 0.348%  |
| 60 | 16.182 | 2335 | 2342 | 2349 | rBV7  | 21020  | 46028   | 3.31%  | 0.455%  |
| 61 | 16.383 | 2369 | 2375 | 2381 | rVV5  | 20003  | 39176   | 2.81%  | 0.387%  |
| 62 | 16.444 | 2381 | 2385 | 2391 | rVV5  | 13666  | 30262   | 2.17%  | 0.299%  |
| 63 | 16.651 | 2413 | 2419 | 2429 | rBV5  | 12688  | 33876   | 2.43%  | 0.335%  |

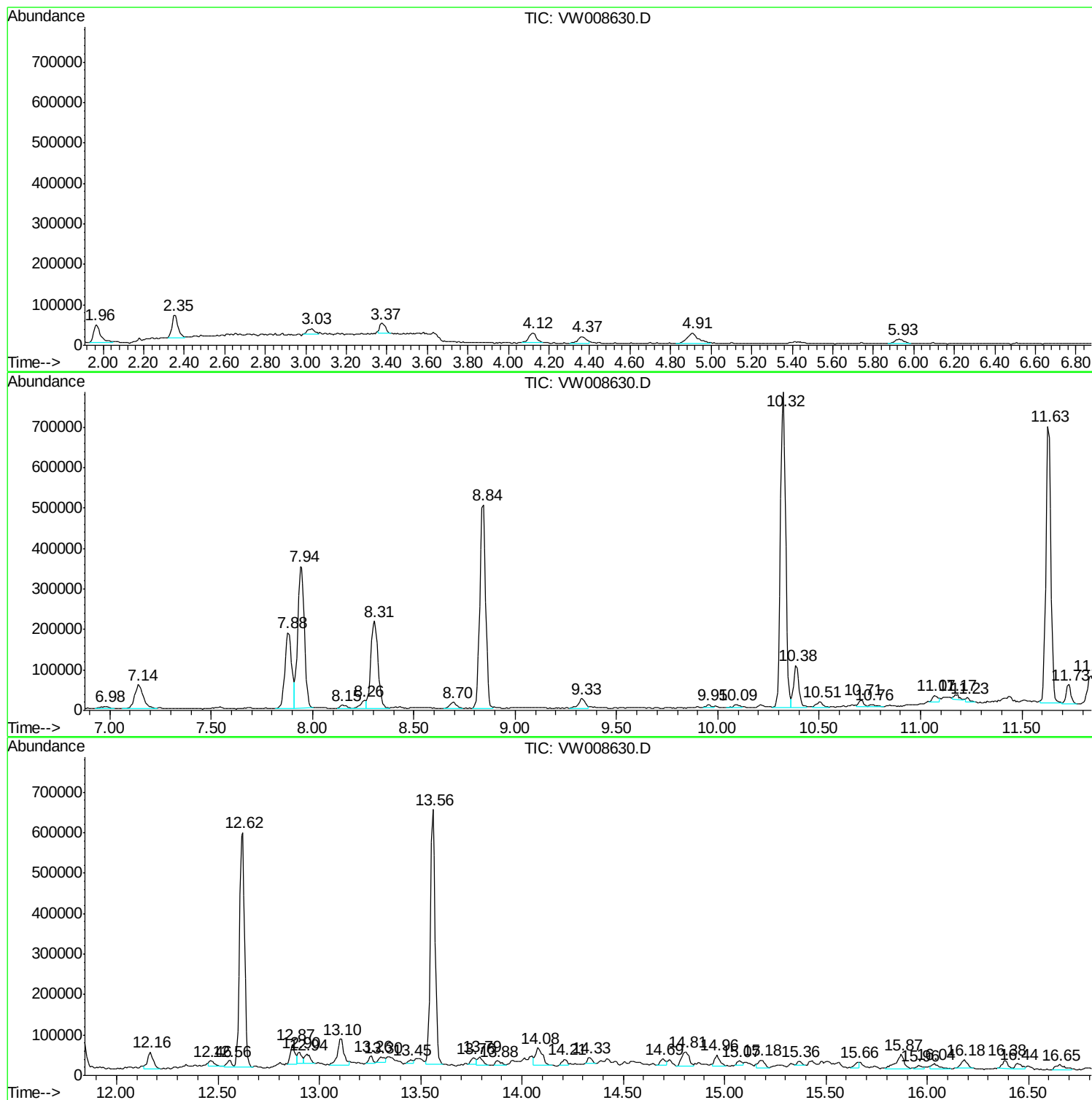
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MSVOA\_W  
ClientSampleId :  
JC-02-021119-G

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260

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



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Instrument :  
MSVOA\_W  
ClientSampleId :  
JC-02-021119-G

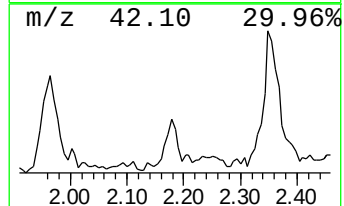
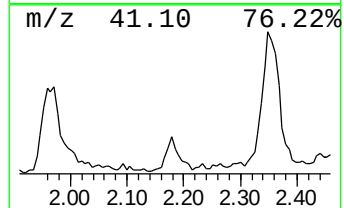
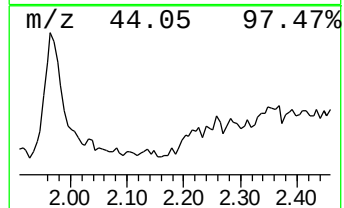
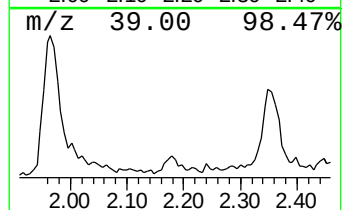
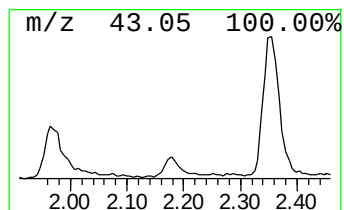
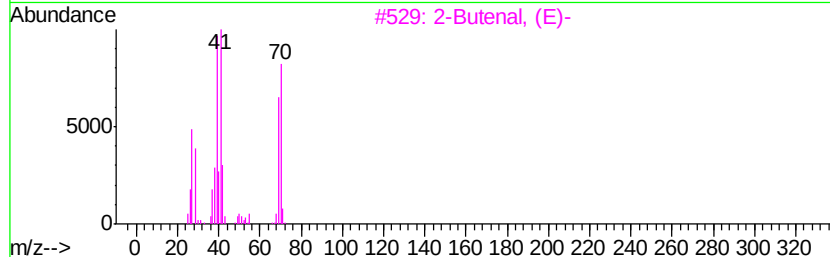
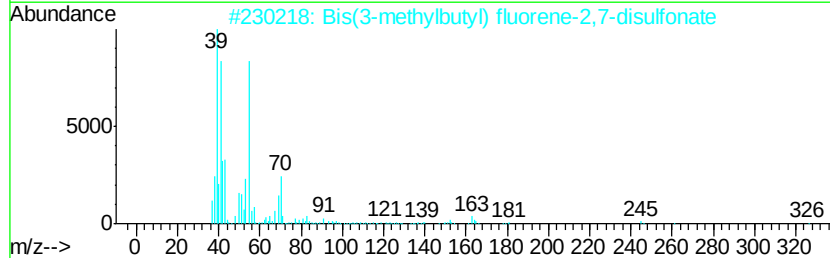
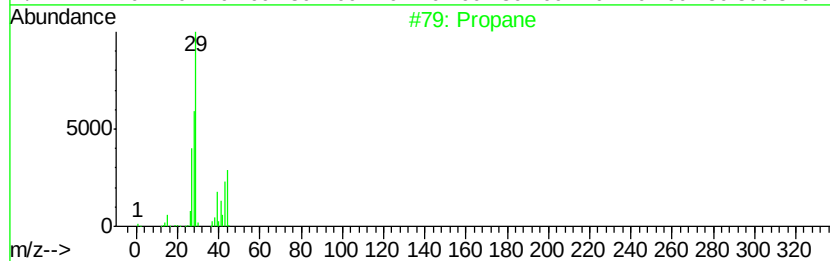
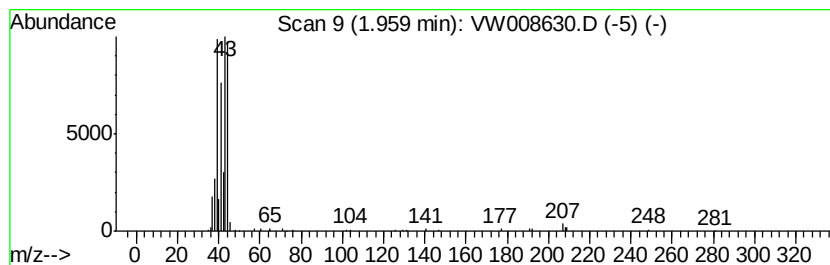
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Propane Concentration Rank 4

| R.T. | EstConc   | Area   | Relative to ISTD   | R.T. |
|------|-----------|--------|--------------------|------|
| 1.96 | 6.78 ug/l | 106493 | Pentafluorobenzene | 7.94 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Propane                             | 44  | C3H8       | 000074-98-6 | 83   |
| 2    |    | Bis(3-methylbutyl) fluorene-2,7-... | 466 | C23H30O6S2 | 253664-95-8 | 64   |
| 3    |    | 2-Butenal, (E)-                     | 70  | C4H6O      | 000123-73-9 | 50   |
| 4    |    | Imidazol-5(2H)-one, 4-amino-2-(2... | 196 | C7H8N4O3   | 318259-17-5 | 50   |
| 5    |    | O-Methylisourea                     | 74  | C2H6N2O    | 002440-60-0 | 43   |



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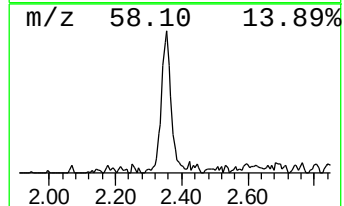
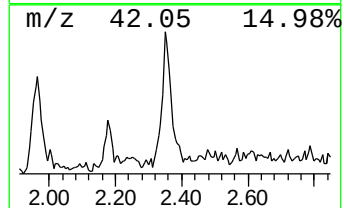
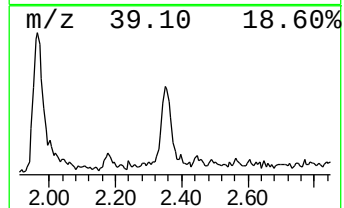
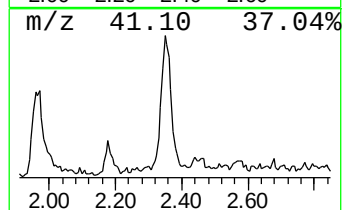
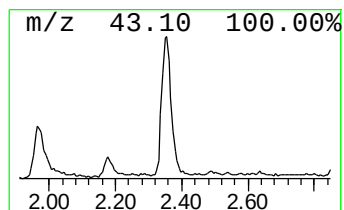
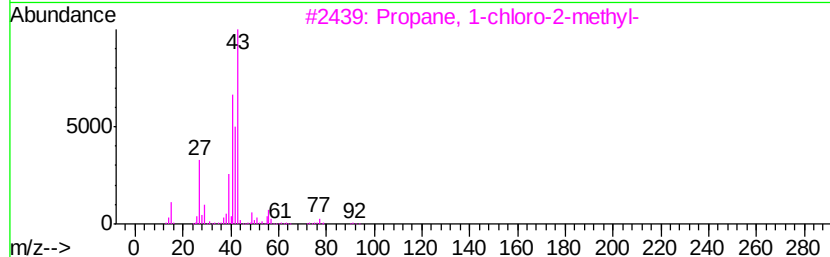
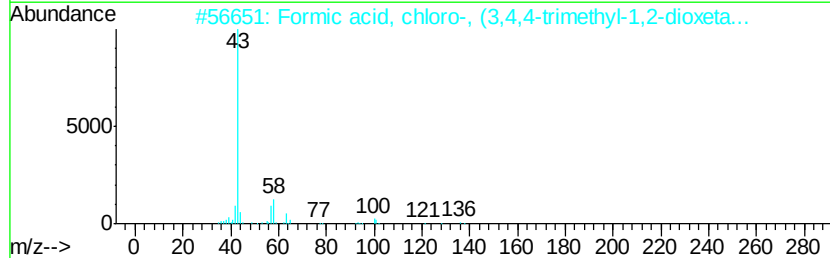
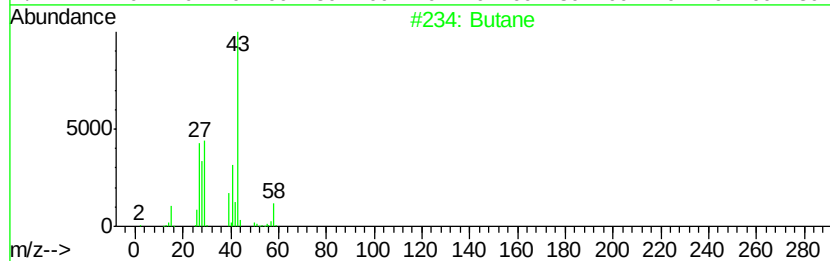
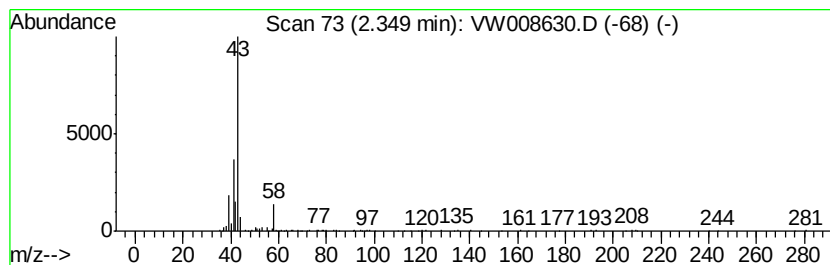
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Butane Concentration Rank 3

| R.T. | EstConc   | Area   | Relative to ISTD   | R.T. |
|------|-----------|--------|--------------------|------|
| 2.35 | 6.98 ug/l | 109634 | Pentafluorobenzene | 7.94 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Butane                              | 58  | C4H10     | 000106-97-8 | 53   |
| 2    |    | Formic acid, chloro-, (3,4,4-tri... | 194 | C7H11ClO4 | 107323-92-2 | 36   |
| 3    |    | Propane, 1-chloro-2-methyl-         | 92  | C4H9Cl    | 000513-36-0 | 9    |
| 4    |    | Bromoacetone                        | 136 | C3H5BrO   | 000598-31-2 | 9    |
| 5    |    | Methyl Isobutyl Ketone              | 100 | C6H12O    | 000108-10-1 | 9    |



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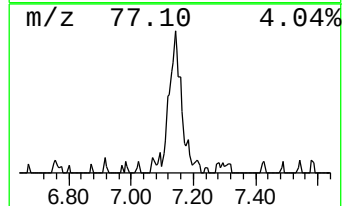
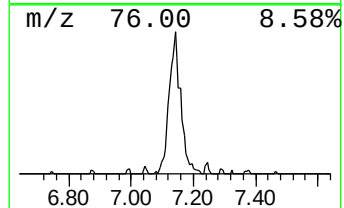
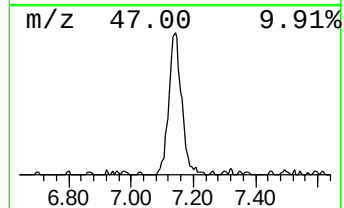
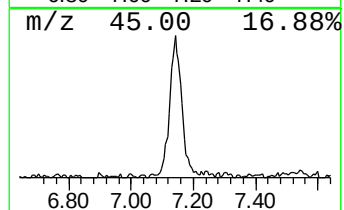
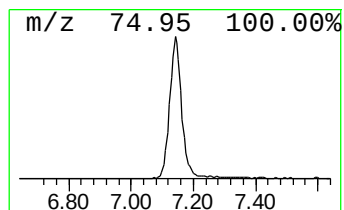
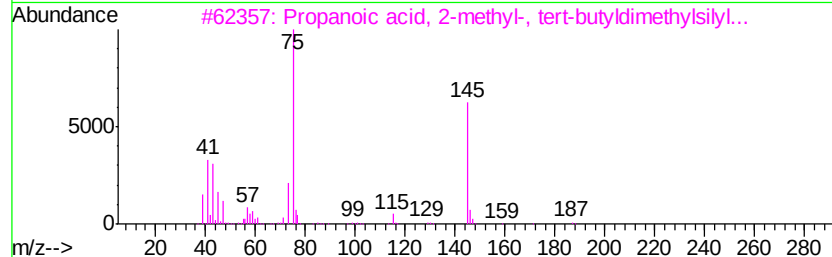
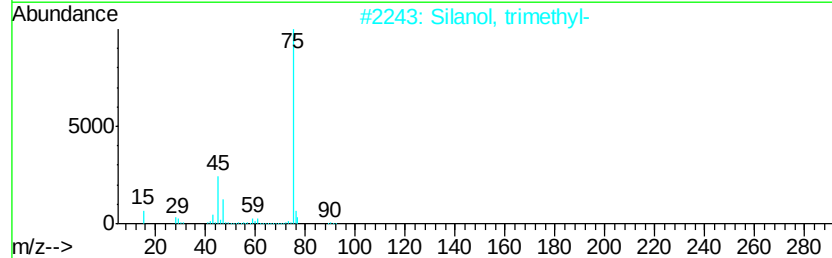
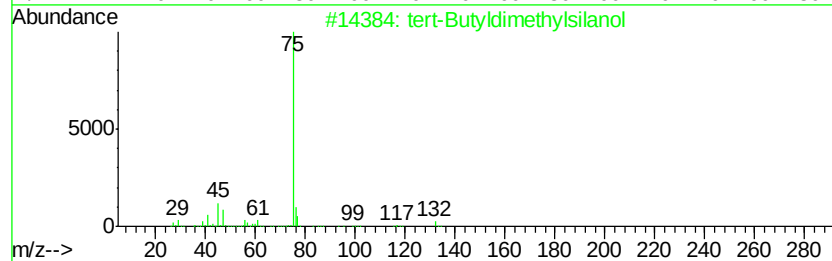
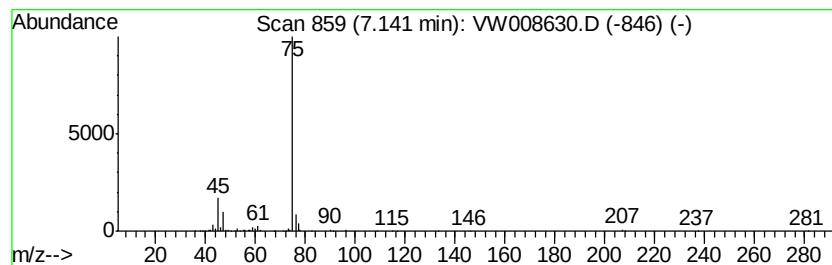
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 tert-Butyldimethylsilanol Concentration Rank 1

| R.T. | EstConc    | Area   | Relative to ISTD   | R.T. |
|------|------------|--------|--------------------|------|
| 7.14 | 11.39 ug/l | 178876 | Pentafluorobenzene | 7.94 |

| Hit# | of | Tentative ID                         | MW  | MolForm    | CAS#        | Qual |
|------|----|--------------------------------------|-----|------------|-------------|------|
| 1    | 5  | tert-Butyldimethylsilanol            | 132 | C6H16OSi   | 018173-64-3 | 83   |
| 2    |    | Silanol, trimethyl-                  | 90  | C3H10OSi   | 001066-40-6 | 83   |
| 3    |    | Propanoic acid, 2-methyl-, tert-...  | 202 | C10H22O2Si | 111864-21-2 | 78   |
| 4    |    | Silanol, dimethyl(1,1,2-trimethyl... | 160 | C8H20OSi   | 055644-10-5 | 64   |
| 5    |    | Silanol, trimethyl-, acetate         | 132 | C5H12O2Si  | 002754-27-0 | 64   |



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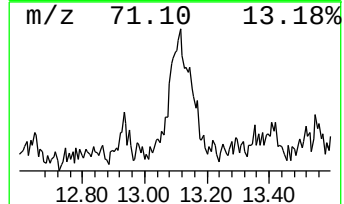
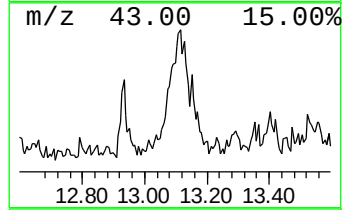
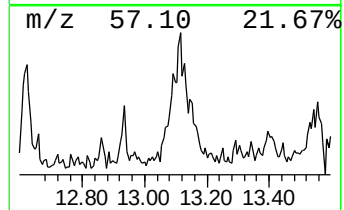
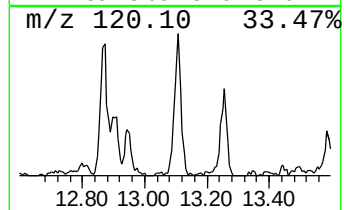
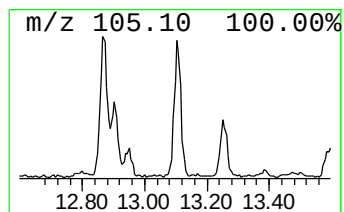
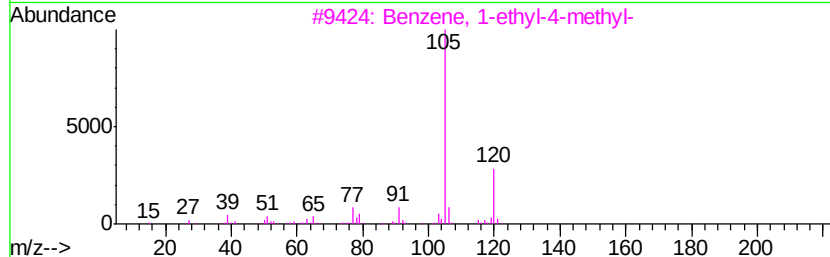
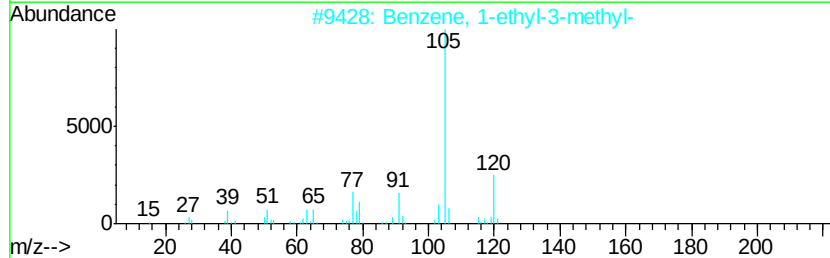
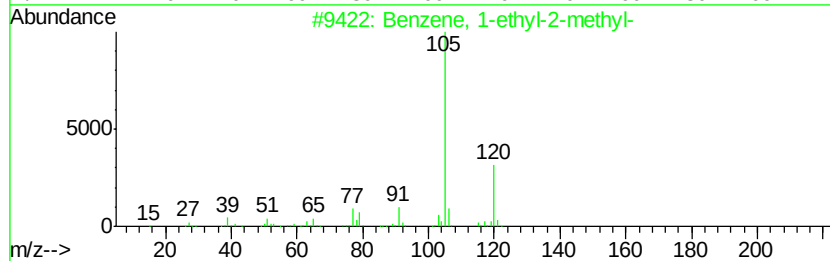
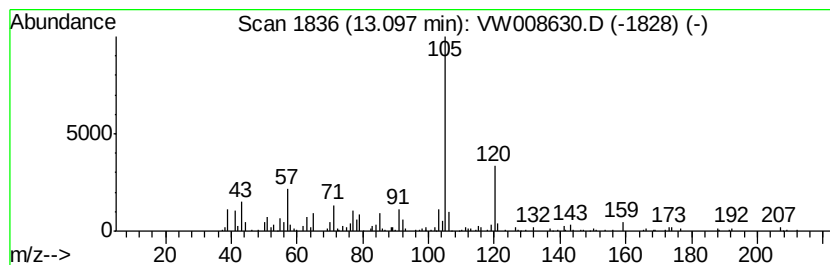
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260

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

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Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 13.10 | 7.11 ug/l | 144088 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 90   |
| 2    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 90   |
| 3    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 87   |
| 4    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 83   |
| 5    |    | Benzene, (1-methylethyl)-  | 120 | C9H12   | 000098-82-8 | 80   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021219\  
Data File : VW008630.D  
Acq On : 12 Feb 2019 18:32  
Operator : SY/VA  
Sample : K1343-13  
Misc : 5.95G/5ML/MSVOA W/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
JC-02-021119-G

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260

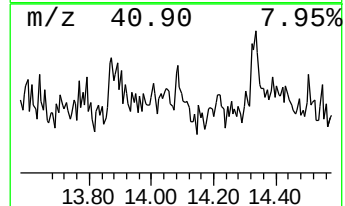
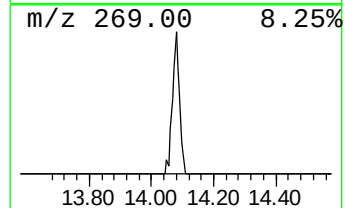
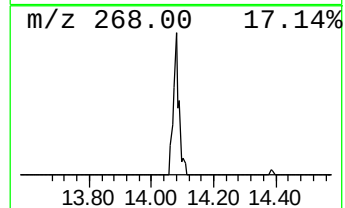
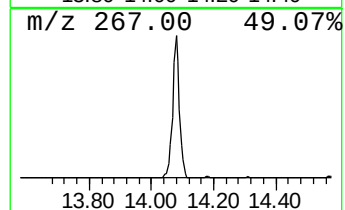
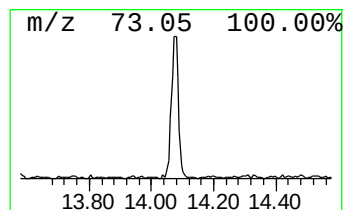
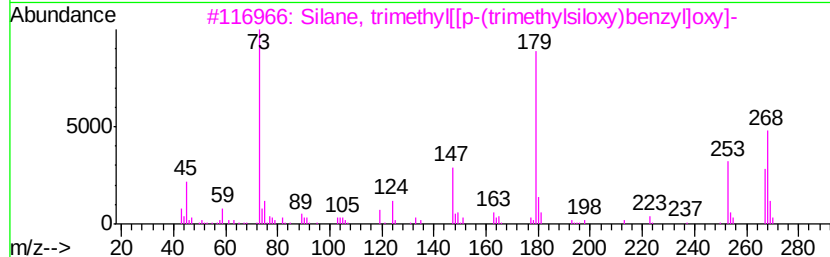
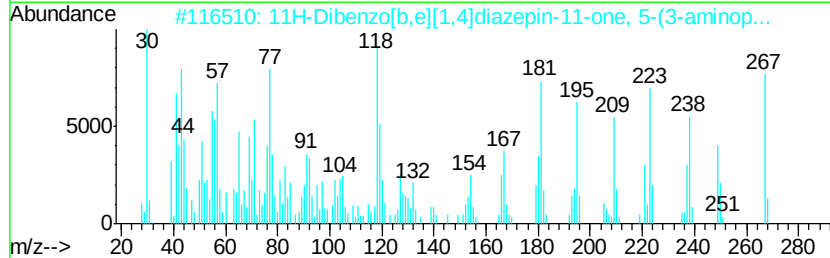
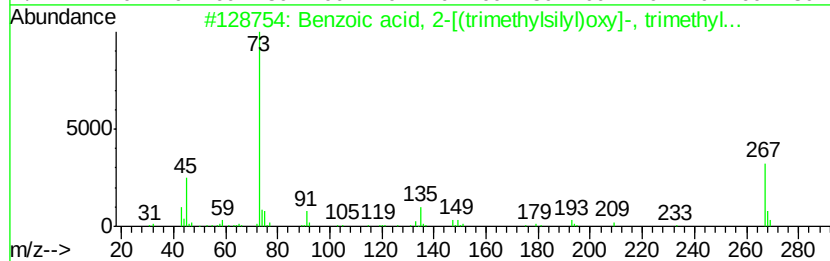
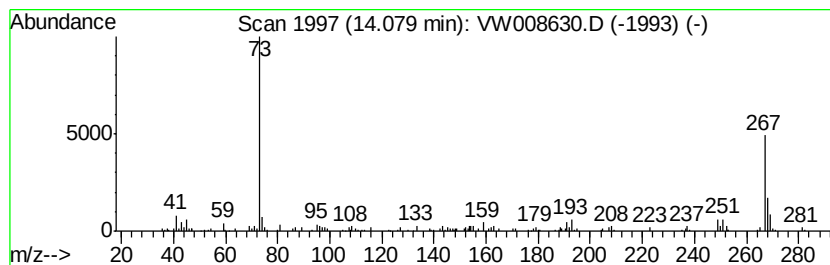
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 unknown14.08 Concentration Rank 5

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 14.08 | 5.30 ug/l | 107473 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                                             | MW  | MolForm        | CAS#         | Qual |
|------|----|----------------------------------------------------------|-----|----------------|--------------|------|
| 1    | 5  | Benzoic acid, 2-[(trimethylsilyl)oxy]-, trimethyl...     | 282 | C13H22O3Si2    | 003789-85-3  | 45   |
| 2    |    | 11H-Dibenzo[b,e][1,4]diazepin-11-one, 5-(3-aminopropyl)- | 267 | C16H17N3O      | 013450-73-2  | 38   |
| 3    |    | Silane, trimethyl[[(p-(trimethylsilyloxy)benzyl)oxy]-    | 268 | C13H24O2Si2    | 018401-58-6  | 22   |
| 4    |    | Benzeneethanamine, N-[(pentafluorophenyl)methyl]-        | 475 | C21H26F5N02Si2 | 055429-85-1  | 17   |
| 5    |    | 2-Methylresorcinol, bis(trimethylsilyloxy)-              | 268 | C13H24O2Si2    | 1000352-78-6 | 12   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW021219\  
Data File : VW008630.D  
Acq On : 12 Feb 2019 18:32  
Operator : SY/VA  
Sample : K1343-13  
Misc : 5.95G/5ML/MSVOA\_W/SOIL  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
JC-02-021119-G

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Propane              | 1.96  | 6.8     | ug/l  | 106493   | 1                     | 7.94  | 785513  | 50.0 |
| Butane               | 2.35  | 7.0     | ug/l  | 109634   | 1                     | 7.94  | 785513  | 50.0 |
| tert-Butyldimethy... | 7.14  | 11.4    | ug/l  | 178876   | 1                     | 7.94  | 785513  | 50.0 |
| Benzene, 1-ethyl-... | 13.10 | 7.1     | ug/l  | 144088   | 4                     | 13.56 | 1013860 | 50.0 |
| unknown14.08         | 14.08 | 5.3     | ug/l  | 107473   | 4                     | 13.56 | 1013860 | 50.0 |