

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090418\  
 Data File : VW005109.D  
 Acq On : 05 Sep 2018 05:33  
 Operator : SY/AP  
 Sample : J4693-01  
 Misc : 5.66G/5ML/MSVOA W/SOIL  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EP1-MW-E(8-10)

## 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\82W090118S.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         | 1.794       | 19            | 34          | 56           | rBV      | 4453209        | 7585404       | 2.75%           | 0.240%        |
| 2         | 9.964       | 1368          | 1374        | 1386         | rVB2     | 1902507        | 4481616       | 1.62%           | 0.142%        |
| 3         | 10.104      | 1387          | 1397        | 1410         | rBV      | 1722176        | 4020389       | 1.46%           | 0.127%        |
| 4         | 10.329      | 1426          | 1434        | 1437         | rBV2     | 1857907        | 3537723       | 1.28%           | 0.112%        |
| 5         | 10.494      | 1457          | 1461        | 1472         | rVB3     | 1130494        | 2811996       | 1.02%           | 0.089%        |
| 6         | 10.671      | 1485          | 1490        | 1498         | rVB      | 3153694        | 5532427       | 2.00%           | 0.175%        |
| 7         | 10.768      | 1499          | 1506        | 1510         | rBV2     | 1801057        | 3706766       | 1.34%           | 0.117%        |
| 8         | 10.945      | 1525          | 1535        | 1541         | rBV      | 6259277        | 10848386      | 3.93%           | 0.343%        |
| 9         | 11.043      | 1541          | 1551        | 1559         | rBV      | 3630967        | 8168218       | 2.96%           | 0.258%        |
| 10        | 11.116      | 1559          | 1563        | 1566         | rBV2     | 1967145        | 3144453       | 1.14%           | 0.099%        |
| 11        | 11.238      | 1577          | 1583        | 1588         | rBV      | 14787157       | 26066177      | 9.44%           | 0.823%        |
| 12        | 11.348      | 1595          | 1601        | 1605         | rVV2     | 7626272        | 13374696      | 4.84%           | 0.423%        |
| 13        | 11.409      | 1605          | 1611        | 1614         | rVV      | 7551287        | 14991741      | 5.43%           | 0.474%        |
| 14        | 11.445      | 1614          | 1617        | 1623         | rVB      | 8002784        | 12487230      | 4.52%           | 0.394%        |
| 15        | 11.518      | 1623          | 1629        | 1635         | rBV      | 15327891       | 25111620      | 9.09%           | 0.793%        |
| 16        | 11.732      | 1658          | 1664        | 1667         | rBV3     | 2797880        | 4952084       | 1.79%           | 0.156%        |
| 17        | 11.774      | 1667          | 1671        | 1674         | rVV      | 4623170        | 7088474       | 2.57%           | 0.224%        |
| 18        | 11.817      | 1674          | 1678        | 1683         | rVV4     | 6792722        | 14158425      | 5.13%           | 0.447%        |
| 19        | 11.884      | 1683          | 1689        | 1692         | rVV      | 18522964       | 32133235      | 11.63%          | 1.015%        |
| 20        | 11.927      | 1692          | 1696        | 1701         | rVB2     | 13545037       | 24009275      | 8.69%           | 0.758%        |
| 21        | 11.982      | 1701          | 1705        | 1709         | rBV2     | 3264113        | 6290694       | 2.28%           | 0.199%        |
| 22        | 12.067      | 1712          | 1719        | 1725         | rVB3     | 6565532        | 14567661      | 5.27%           | 0.460%        |
| 23        | 12.146      | 1725          | 1732        | 1739         | rBV4     | 28119787       | 66375940      | 24.03%          | 2.097%        |
| 24        | 12.201      | 1739          | 1741        | 1744         | rVV      | 6081448        | 8297844       | 3.00%           | 0.262%        |
| 25        | 12.268      | 1744          | 1752        | 1756         | rVV      | 35649455       | 61744746      | 22.36%          | 1.951%        |
| 26        | 12.347      | 1756          | 1765        | 1767         | rVV3     | 28713688       | 60722929      | 21.99%          | 1.918%        |
| 27        | 12.384      | 1767          | 1771        | 1781         | rVV4     | 35602199       | 101479248     | 36.74%          | 3.206%        |
| 28        | 12.469      | 1781          | 1785        | 1789         | rVV2     | 23633064       | 47694922      | 17.27%          | 1.507%        |
| 29        | 12.512      | 1789          | 1792        | 1795         | rVV3     | 18574004       | 34586390      | 12.52%          | 1.093%        |
| 30        | 12.555      | 1795          | 1799        | 1806         | rVB      | 35826092       | 62840156      | 22.75%          | 1.985%        |
| 31        | 12.634      | 1806          | 1812        | 1816         | rBV3     | 9055944        | 15366793      | 5.56%           | 0.485%        |
| 32        | 12.707      | 1816          | 1824        | 1829         | rBV3     | 13060912       | 34175957      | 12.37%          | 1.080%        |
| 33        | 12.805      | 1829          | 1840        | 1846         | rVB3     | 46563989       | 128282286     | 46.45%          | 4.053%        |
| 34        | 12.872      | 1846          | 1851        | 1855         | rBV3     | 11967147       | 23394027      | 8.47%           | 0.739%        |

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 ClientSampleId :  
 EP1-MW-E(8-10)

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 Sampling : 1  
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 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
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Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
 Title : SW846 8260

|    |        |      |      |      |      |          |           |         |        |
|----|--------|------|------|------|------|----------|-----------|---------|--------|
| 35 | 12.957 | 1856 | 1865 | 1870 | rVV4 | 99907959 | 232225023 | 84.08%  | 7.336% |
| 36 | 13.006 | 1870 | 1873 | 1878 | rVB4 | 23258077 | 35425241  | 12.83%  | 1.119% |
| 37 | 13.091 | 1878 | 1887 | 1891 | rBV2 | 19756901 | 39013920  | 14.13%  | 1.232% |
| 38 | 13.146 | 1891 | 1896 | 1898 | rVV3 | 13507450 | 26298471  | 9.52%   | 0.831% |
| 39 | 13.183 | 1898 | 1902 | 1909 | rVV3 | 61930365 | 113510509 | 41.10%  | 3.586% |
| 40 | 13.268 | 1909 | 1916 | 1927 | rVV4 | 93712245 | 276182991 | 100.00% | 8.725% |
| 41 | 13.396 | 1927 | 1937 | 1941 | rVV3 | 32802051 | 91210721  | 33.03%  | 2.881% |
| 42 | 13.457 | 1941 | 1947 | 1952 | rVV2 | 72034068 | 140118311 | 50.73%  | 4.427% |
| 43 | 13.512 | 1952 | 1956 | 1964 | rVB3 | 35658341 | 75683273  | 27.40%  | 2.391% |
| 44 | 13.603 | 1965 | 1971 | 1977 | rVB3 | 88146361 | 169884059 | 61.51%  | 5.367% |
| 45 | 13.664 | 1978 | 1981 | 1984 | rVB  | 6296333  | 7324857   | 2.65%   | 0.231% |
| 46 | 13.731 | 1985 | 1992 | 1994 | rBV2 | 33022824 | 59345542  | 21.49%  | 1.875% |
| 47 | 13.762 | 1994 | 1997 | 2001 | rVV3 | 61926188 | 105187245 | 38.09%  | 3.323% |
| 48 | 13.804 | 2001 | 2004 | 2014 | rVB4 | 65636976 | 156204253 | 56.56%  | 4.935% |
| 49 | 13.896 | 2014 | 2019 | 2023 | rBV2 | 39914328 | 66291351  | 24.00%  | 2.094% |
| 50 | 14.024 | 2031 | 2040 | 2042 | rBV2 | 44002734 | 78387234  | 28.38%  | 2.476% |
| 51 | 14.054 | 2042 | 2045 | 2050 | rVV5 | 46899573 | 76309885  | 27.63%  | 2.411% |
| 52 | 14.109 | 2050 | 2054 | 2059 | rVB2 | 50715595 | 77267466  | 27.98%  | 2.441% |
| 53 | 14.170 | 2061 | 2064 | 2067 | rBV  | 6471820  | 7731023   | 2.80%   | 0.244% |
| 54 | 14.219 | 2067 | 2072 | 2077 | rVB2 | 49302719 | 84758094  | 30.69%  | 2.678% |
| 55 | 14.274 | 2077 | 2081 | 2082 | rBV2 | 5906760  | 8782637   | 3.18%   | 0.277% |
| 56 | 14.353 | 2088 | 2094 | 2098 | rBV2 | 29263709 | 49948528  | 18.09%  | 1.578% |
| 57 | 14.402 | 2098 | 2102 | 2104 | rVV2 | 15479207 | 26548957  | 9.61%   | 0.839% |
| 58 | 14.432 | 2104 | 2107 | 2110 | rVV2 | 24814697 | 38677854  | 14.00%  | 1.222% |
| 59 | 14.469 | 2110 | 2113 | 2117 | rVV  | 37179720 | 53661577  | 19.43%  | 1.695% |
| 60 | 14.512 | 2117 | 2120 | 2123 | rVV  | 10768998 | 13537230  | 4.90%   | 0.428% |
| 61 | 14.554 | 2123 | 2127 | 2135 | rVB3 | 8882035  | 18421866  | 6.67%   | 0.582% |
| 62 | 14.652 | 2135 | 2143 | 2147 | rVB2 | 8185348  | 15543528  | 5.63%   | 0.491% |
| 63 | 14.701 | 2147 | 2151 | 2155 | rBV3 | 7420333  | 13079600  | 4.74%   | 0.413% |
| 64 | 14.743 | 2155 | 2158 | 2162 | rVB  | 7278877  | 9941549   | 3.60%   | 0.314% |
| 65 | 14.804 | 2162 | 2168 | 2175 | rBV3 | 36792804 | 75680528  | 27.40%  | 2.391% |
| 66 | 14.865 | 2175 | 2178 | 2184 | rVB2 | 3687671  | 6484237   | 2.35%   | 0.205% |
| 67 | 14.969 | 2191 | 2195 | 2200 | rVB  | 2240468  | 3157350   | 1.14%   | 0.100% |
| 68 | 15.079 | 2208 | 2213 | 2216 | rBV2 | 3152579  | 5772471   | 2.09%   | 0.182% |
| 69 | 15.115 | 2216 | 2219 | 2225 | rVV2 | 2876510  | 4566905   | 1.65%   | 0.144% |
| 70 | 15.182 | 2225 | 2230 | 2240 | rVB4 | 3883429  | 9242985   | 3.35%   | 0.292% |

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ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EP1-MW-E(8-10)

Integration Parameters: RTEINT.P  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 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\_W\METHOD\82W090118S.M  
Title : SW846 8260

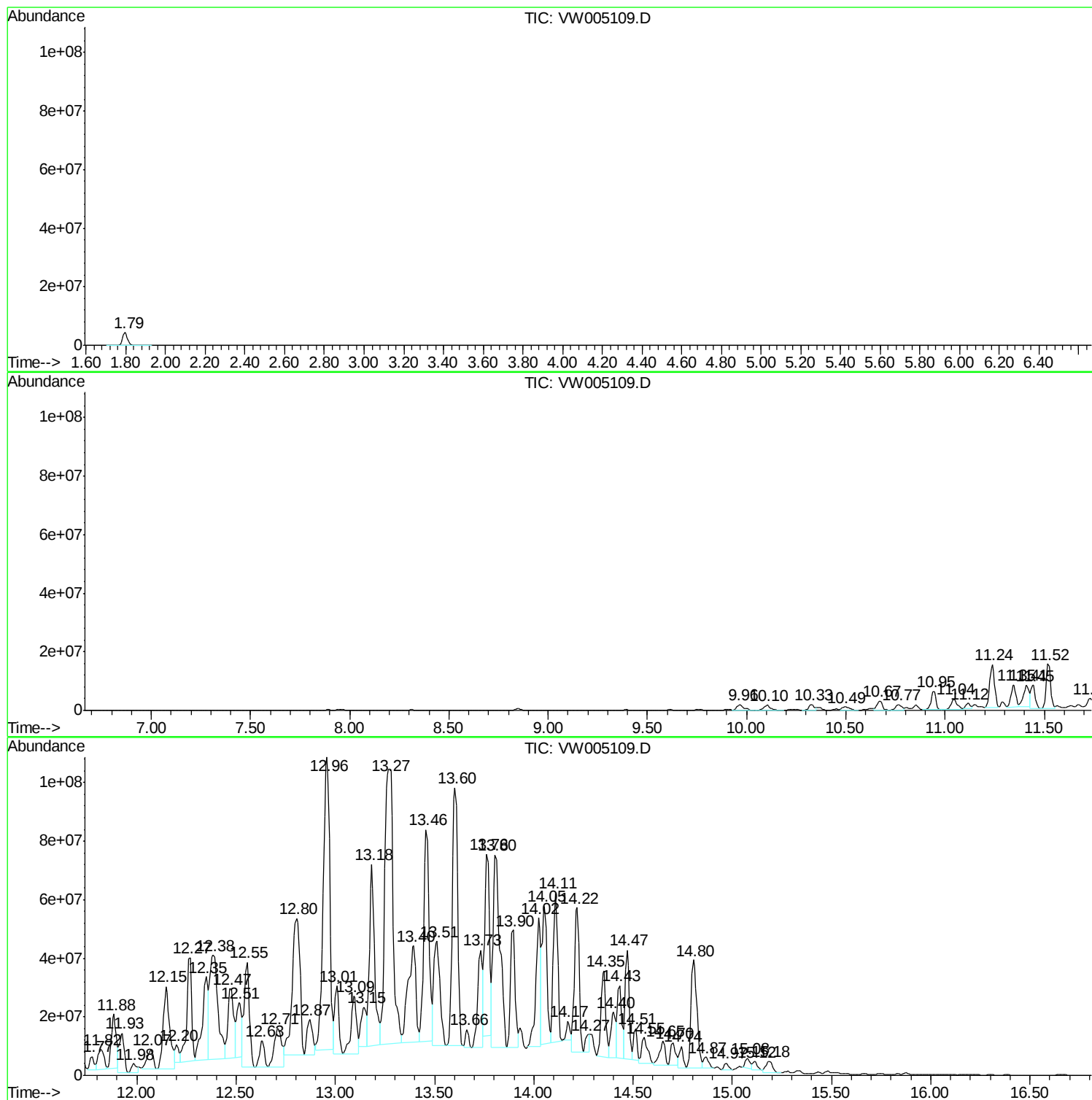
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090418\  
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Instrument :  
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EP1-MW-E(8-10)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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ALS Vial : 38 Sample Multiplier: 1

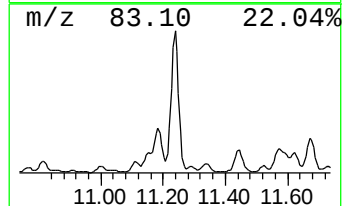
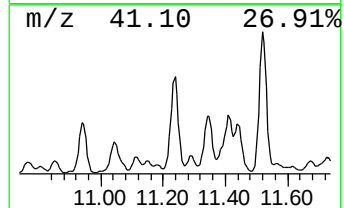
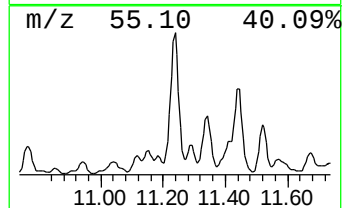
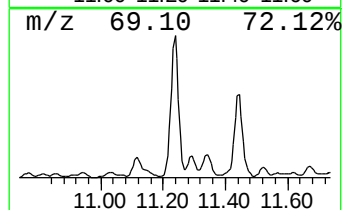
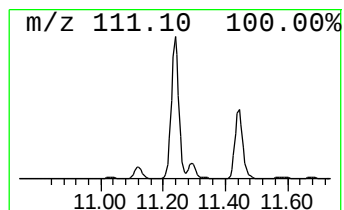
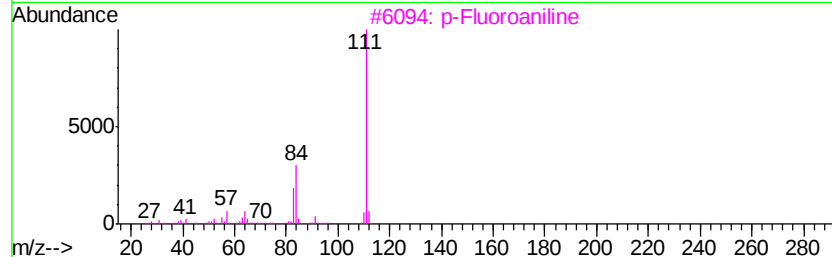
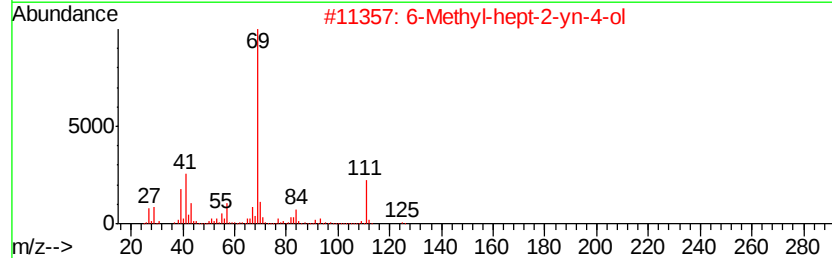
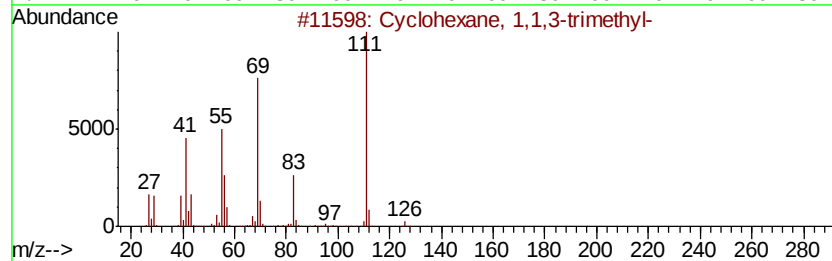
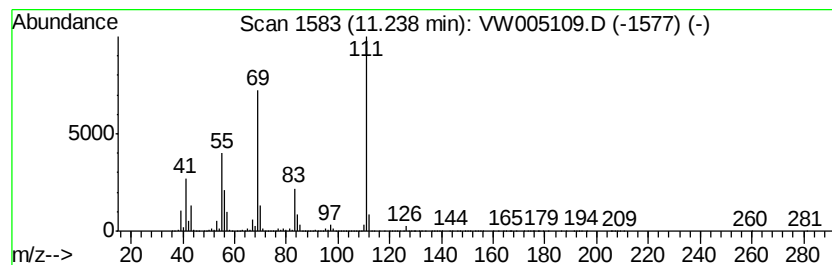
Instrument :  
MSVOA\_W  
ClientSampleId :  
EP1-MW-E(8-10)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 6

| R.T.    | EstConc     | Area                                | Relative to ISTD | R.T.      |              |      |
|---------|-------------|-------------------------------------|------------------|-----------|--------------|------|
| 11.24   | 263.18 ug/l | 26066200                            | Chlorobenzene-d5 | 11.63     |              |      |
| Hit# of | 5           | Tentative ID                        | MW               | MolForm   | CAS#         | Qual |
| 1       |             | Cvclohexane, 1,1,3-trimethyl-       | 126              | C9H18     | 003073-66-3  | 95   |
| 2       |             | 6-Methyl-hept-2-vn-4-ol             | 126              | C8H14O    | 060018-69-1  | 53   |
| 3       |             | p-Fluoroaniline                     | 111              | C6H6FN    | 000371-40-4  | 53   |
| 4       |             | 1-Aminocvclopropanecarboxylic ac... | 156              | C7H12N2O2 | 1000375-50-8 | 53   |
| 5       |             | 4-Amino-6-hydroxypyrimidine         | 111              | C4H5N3O   | 001193-22-2  | 50   |



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EP1-MW-E(8-10)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
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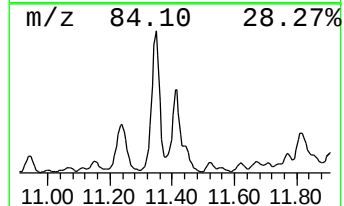
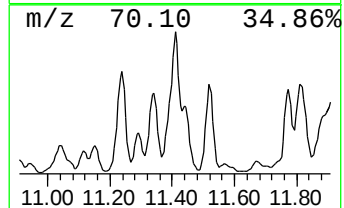
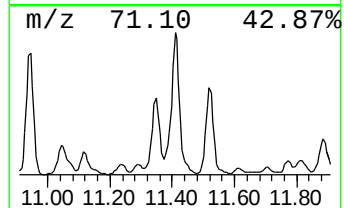
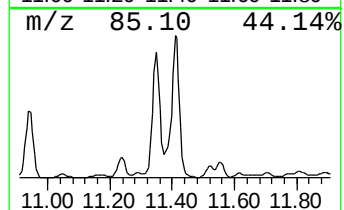
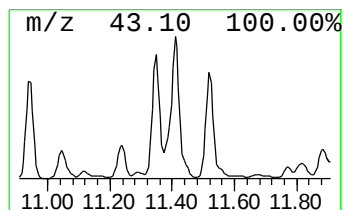
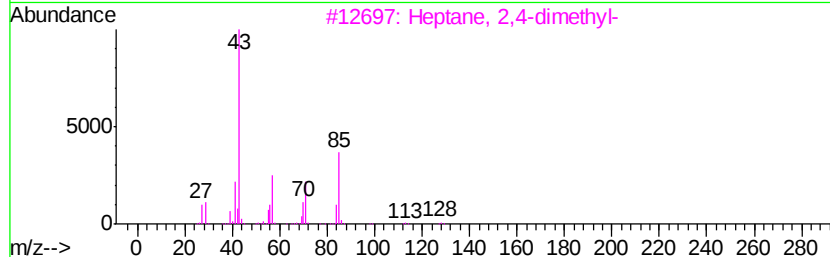
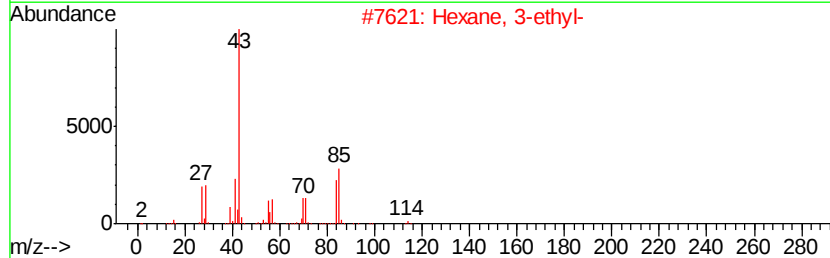
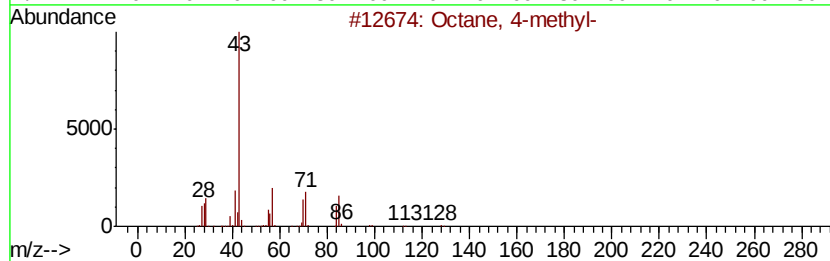
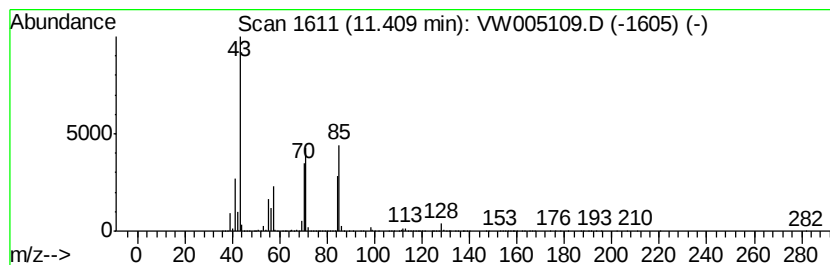
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Octane, 4-methyl- Concentration Rank 9

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 11.41 | 151.37 ug/l | 14991700 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Octane, 4-methyl-        | 128 | C9H20   | 002216-34-4 | 91   |
| 2    |    | Hexane, 3-ethyl-         | 114 | C8H18   | 000619-99-8 | 72   |
| 3    |    | Heptane, 2,4-dimethyl-   | 128 | C9H20   | 002213-23-2 | 64   |
| 4    |    | Dodecane, 5-methyl-      | 184 | C13H28  | 017453-93-9 | 64   |
| 5    |    | Hexane, 2,3,5-trimethyl- | 128 | C9H20   | 001069-53-0 | 53   |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
Quant Title : SW846 8260

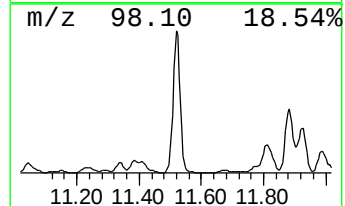
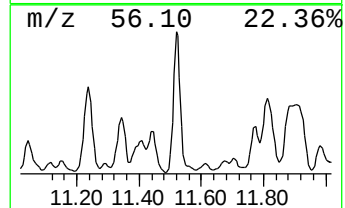
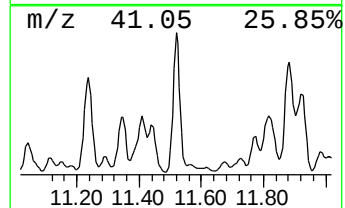
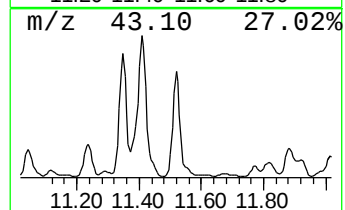
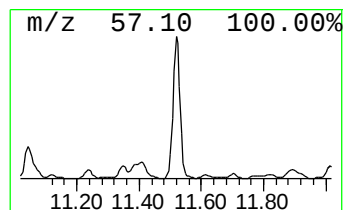
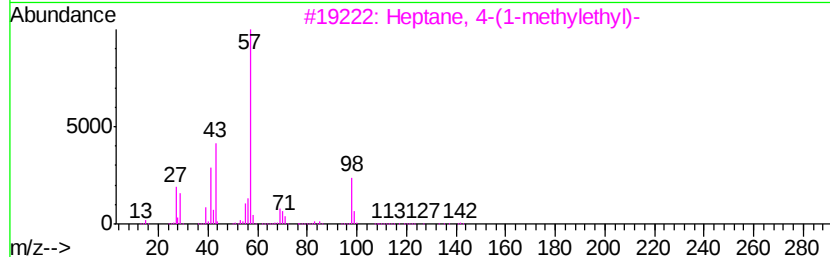
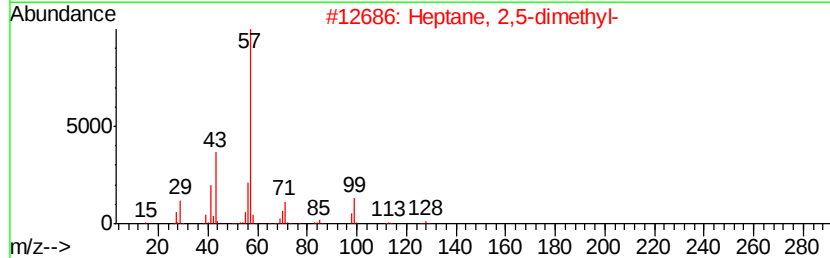
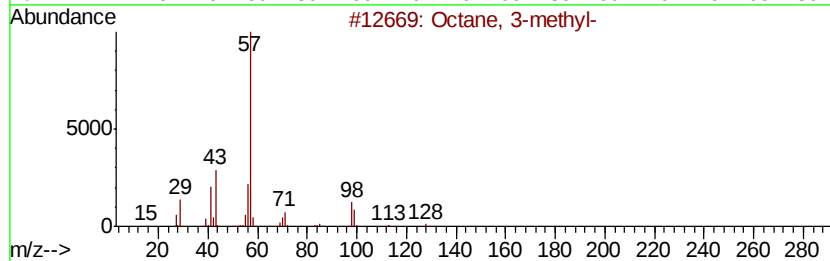
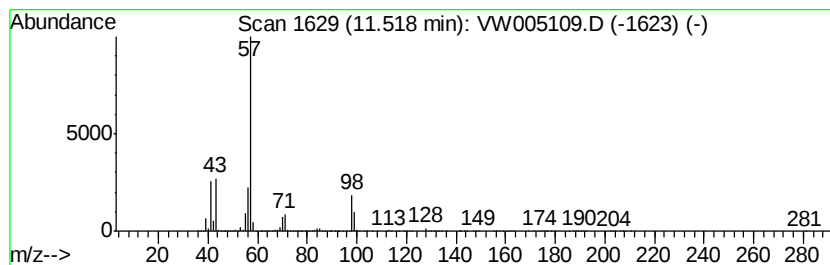
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Octane, 3-methyl- Concentration Rank 7

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 11.52 | 253.55 ug/l | 25111600 | Chlorobenzene-d5 | 11.63 |

| Hit# of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|---------|---|------------------------------|-----|---------|-------------|------|
| 1       |   | Octane, 3-methyl-            | 128 | C9H20   | 002216-33-3 | 91   |
| 2       |   | Heptane, 2,5-dimethyl-       | 128 | C9H20   | 002216-30-0 | 90   |
| 3       |   | Heptane, 4-(1-methylethyl)-  | 142 | C10H22  | 052896-87-4 | 64   |
| 4       |   | Butane, 2,2,3,3-tetramethyl- | 114 | C8H18   | 000594-82-1 | 53   |
| 5       |   | Decane, 2,5-dimethyl-        | 170 | C12H26  | 017312-50-4 | 45   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090418\  
Data File : VW005109.D  
Acq On : 05 Sep 2018 05:33  
Operator : SY/AP  
Sample : J4693-01  
Misc : 5.66G/5ML/MSVOA W/SOIL  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EP1-MW-E(8-10)

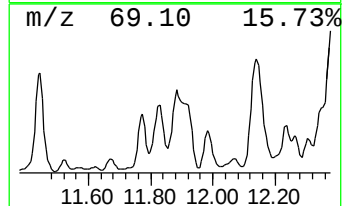
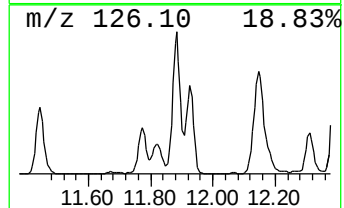
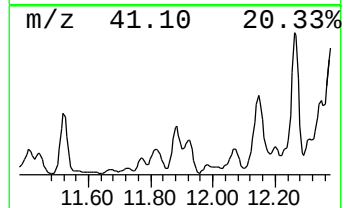
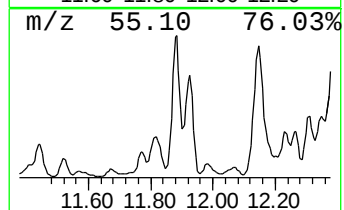
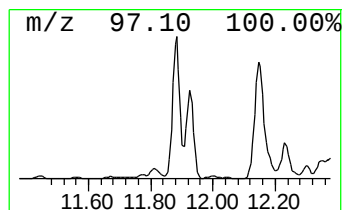
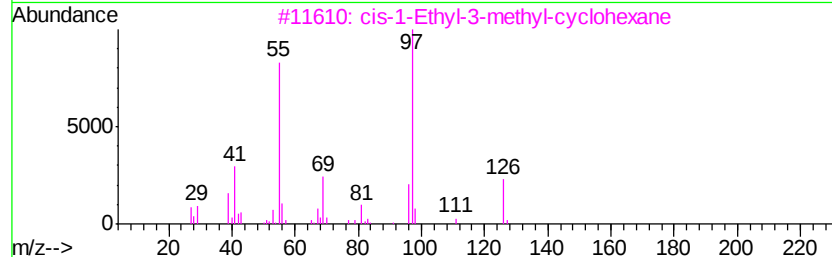
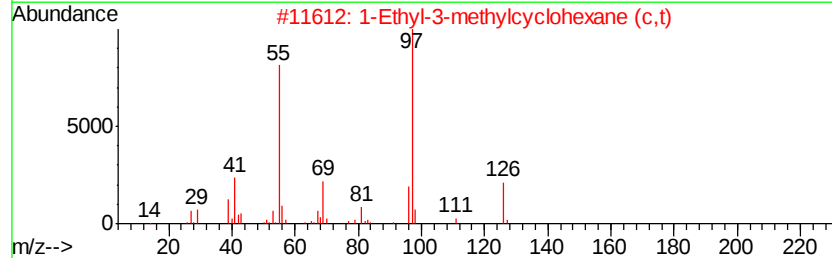
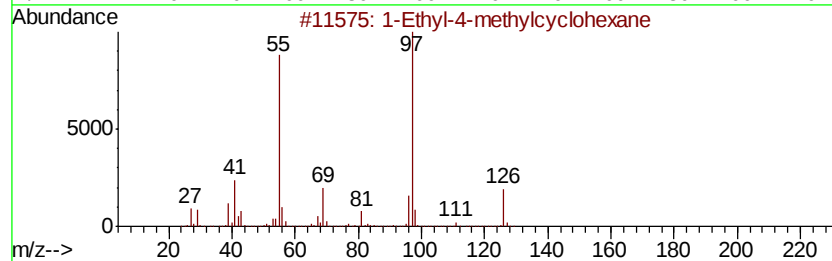
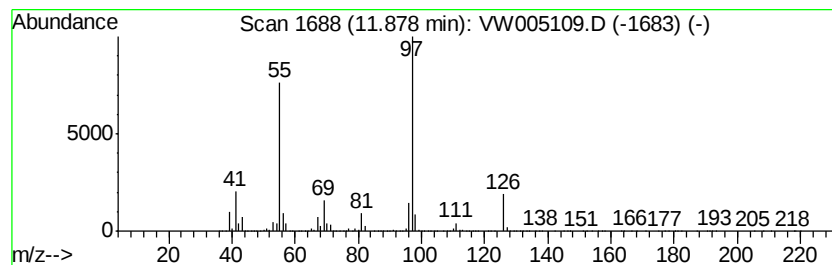
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 1-Ethyl-4-methylcyclohexane Concentration Rank 5

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 11.88 | 324.44 ug/l | 32133200 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1-Ethyl-4-methylcyclohexane         | 126 | C9H18   | 003728-56-1 | 94   |
| 2    |    | 1-Ethyl-3-methylcyclohexane (c,t)   | 126 | C9H18   | 003728-55-0 | 91   |
| 3    |    | cis-1-Ethyl-3-methyl-cyclohexane    | 126 | C9H18   | 019489-10-2 | 91   |
| 4    |    | Cyclohexane, 1-ethyl-2-methyl-      | 126 | C9H18   | 003728-54-9 | 90   |
| 5    |    | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18   | 006236-88-0 | 90   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090418\  
Data File : VW005109.D  
Acq On : 05 Sep 2018 05:33  
Operator : SY/AP  
Sample : J4693-01  
Misc : 5.66G/5ML/MSVOA W/SOIL  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EP1-MW-E(8-10)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
Quant Title : SW846 8260

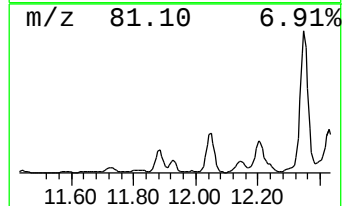
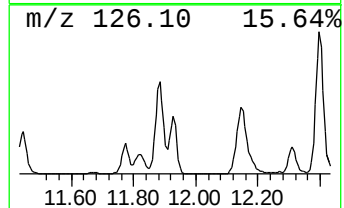
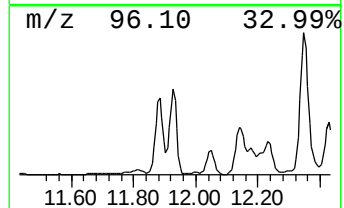
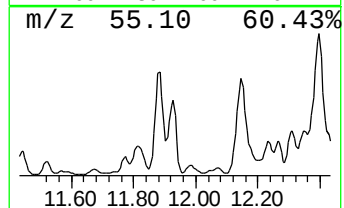
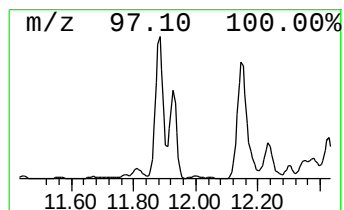
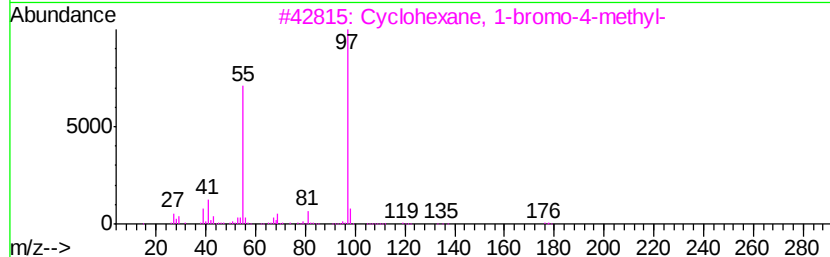
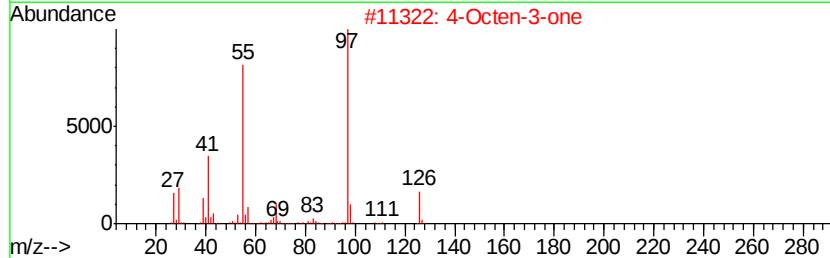
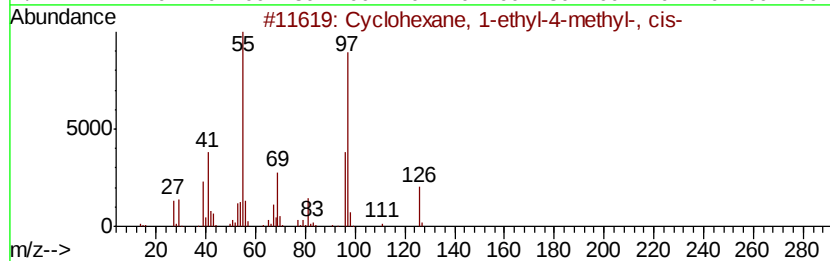
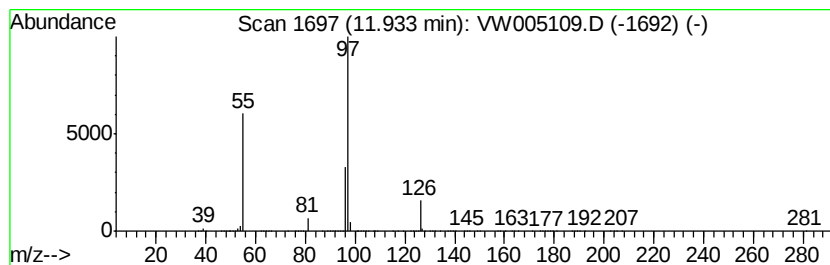
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Cyclohexane, 1-ethyl-4-meth... Concentration Rank 8

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 11.93 | 242.42 ug/l | 24009300 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Cyclohexane, 1-ethyl-4-methyl-, ... | 126 | C9H18     | 004926-78-7  | 64   |
| 2    |    | 4-Octen-3-one                       | 126 | C8H14O    | 014129-48-7  | 59   |
| 3    |    | Cyclohexane, 1-bromo-4-methyl-      | 176 | C7H13Br   | 006294-40-2  | 59   |
| 4    |    | Sulfurous acid, di(cyclohexylmet... | 274 | C14H26O3S | 1000309-22-7 | 59   |
| 5    |    | Oxalic acid, cyclohexylmethyl is... | 270 | C15H26O4  | 1000309-68-3 | 56   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090418\  
Data File : VW005109.D  
Acq On : 05 Sep 2018 05:33  
Operator : SY/AP  
Sample : J4693-01  
Misc : 5.66G/5ML/MSVOA W/SOIL  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EP1-MW-E(8-10)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
Quant Title : SW846 8260

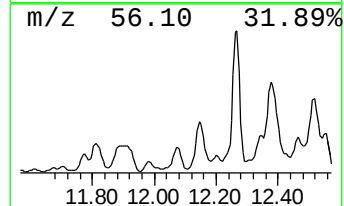
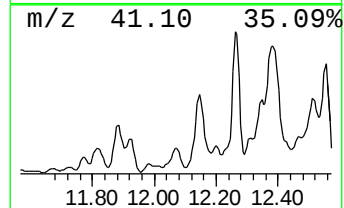
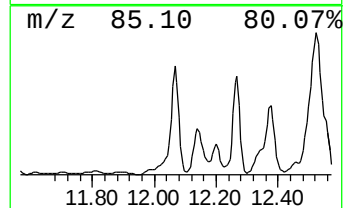
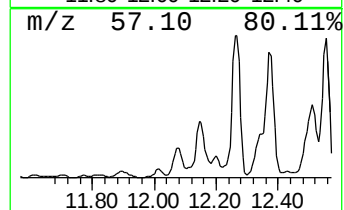
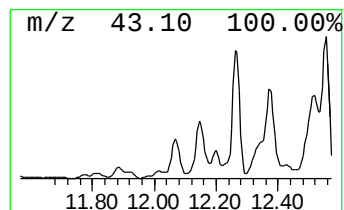
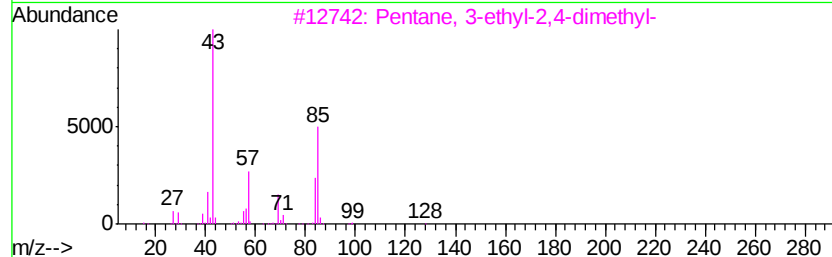
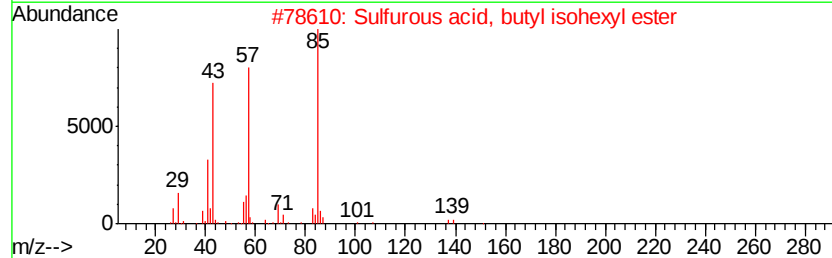
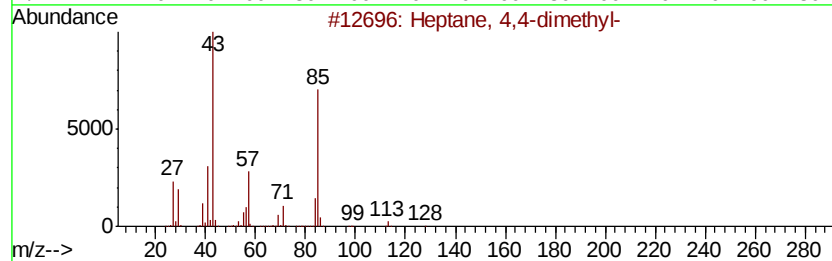
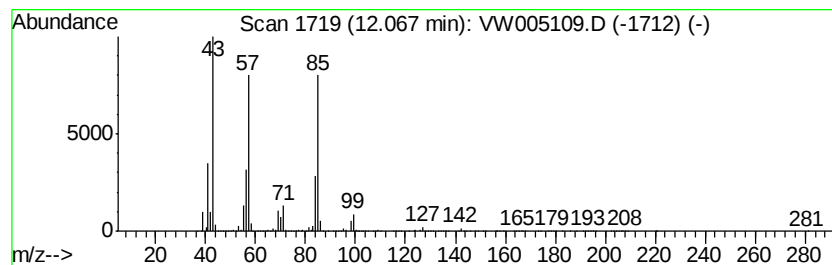
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Heptane, 4,4-dimethyl- Concentration Rank 10

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 12.07 | 147.09 ug/l | 14567700 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Heptane, 4,4-dimethyl-              | 128 | C9H20     | 001068-19-5  | 59   |
| 2    |    | Sulfurous acid, butyl isohexyl e... | 222 | C10H22O3S | 1000309-17-2 | 59   |
| 3    |    | Pentane, 3-ethyl-2,4-dimethyl-      | 128 | C9H20     | 001068-87-7  | 59   |
| 4    |    | Pentane, 2,2-dimethyl-              | 100 | C7H16     | 000590-35-2  | 53   |
| 5    |    | Pentane, 3-ethyl-3-methyl-          | 114 | C8H18     | 001067-08-9  | 53   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090418\  
Data File : VW005109.D  
Acq On : 05 Sep 2018 05:33  
Operator : SY/AP  
Sample : J4693-01  
Misc : 5.66G/5ML/MSVOA W/SOIL  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EP1-MW-E(8-10)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
Quant Title : SW846 8260

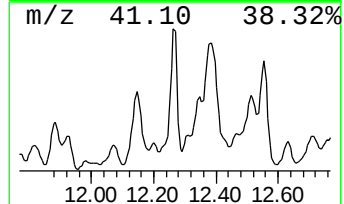
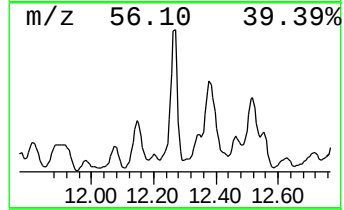
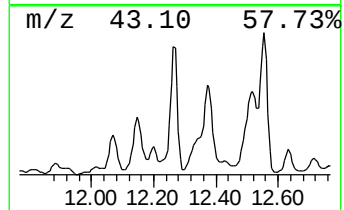
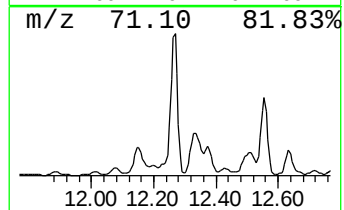
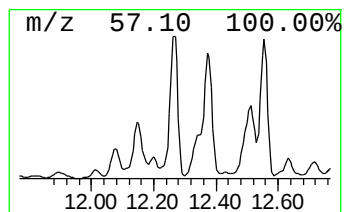
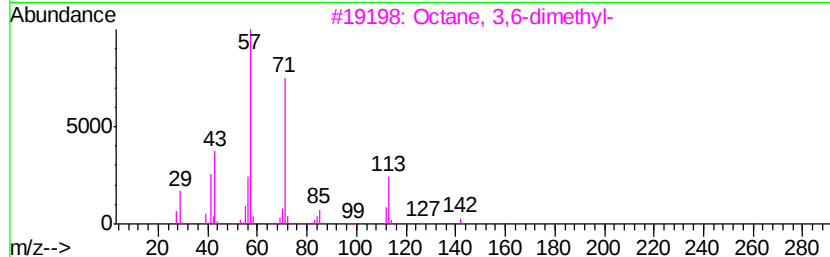
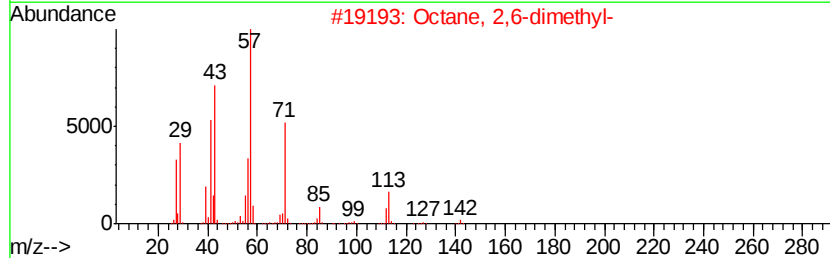
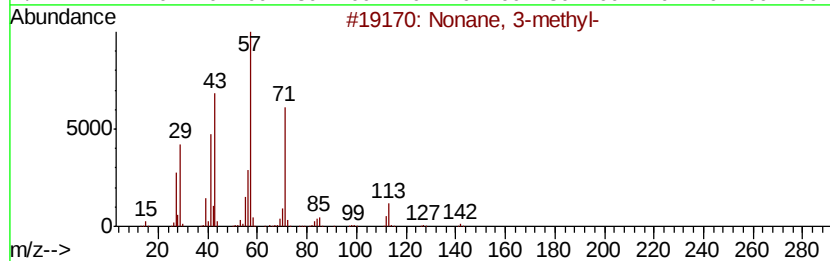
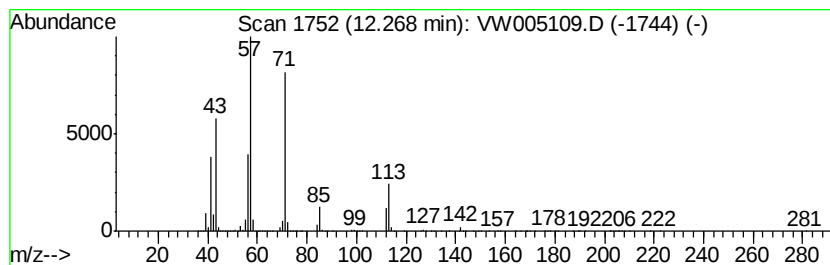
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Nonane, 3-methyl- Concentration Rank 3

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 12.27 | 623.42 ug/l | 61744700 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Nonane, 3-methyl-       | 142 | C10H22  | 005911-04-6 | 91   |
| 2    |    | Octane, 2,6-dimethyl-   | 142 | C10H22  | 002051-30-1 | 91   |
| 3    |    | Octane, 3,6-dimethyl-   | 142 | C10H22  | 015869-94-0 | 86   |
| 4    |    | Undecane, 6,6-dimethyl- | 184 | C13H28  | 017312-76-4 | 72   |
| 5    |    | Octane, 2-bromo-        | 192 | C8H17Br | 000557-35-7 | 50   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090418\  
Data File : VW005109.D  
Acq On : 05 Sep 2018 05:33  
Operator : SY/AP  
Sample : J4693-01  
Misc : 5.66G/5ML/MSVOA W/SOIL  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EP1-MW-E(8-10)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
Quant Title : SW846 8260

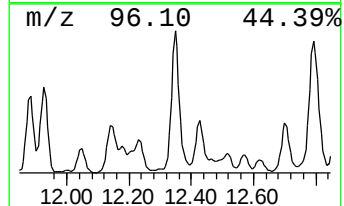
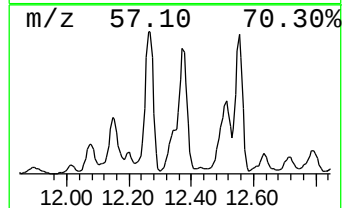
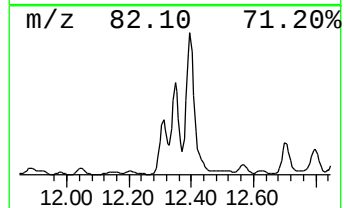
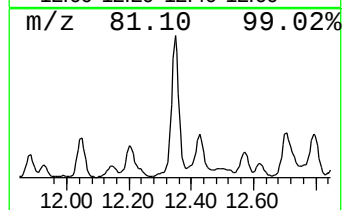
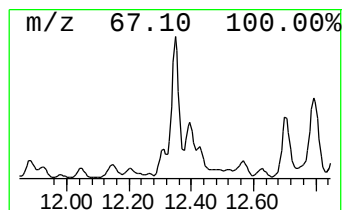
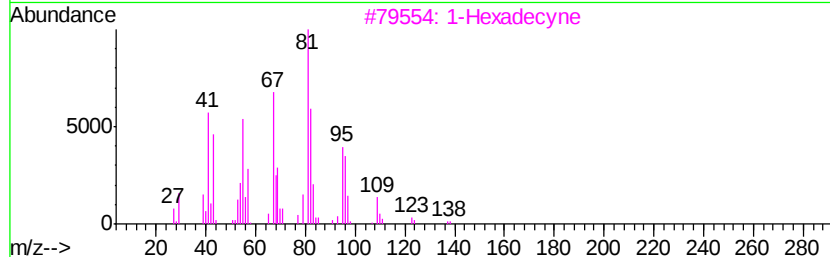
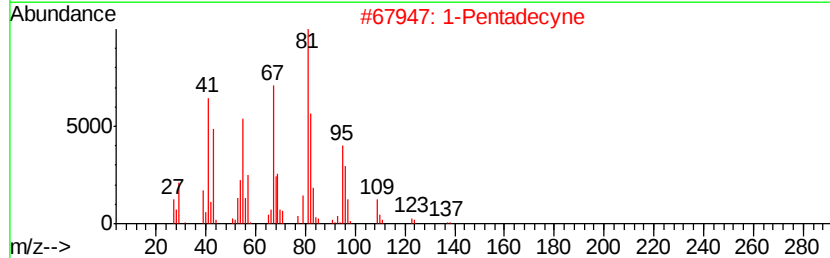
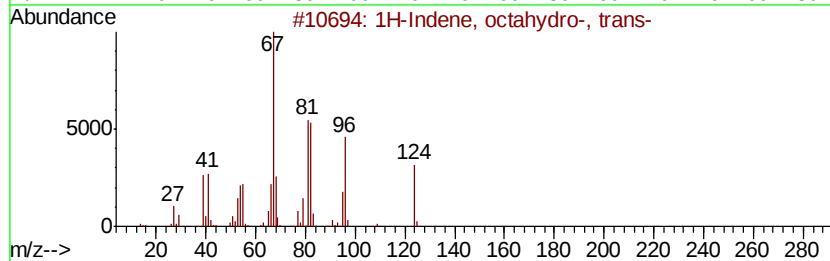
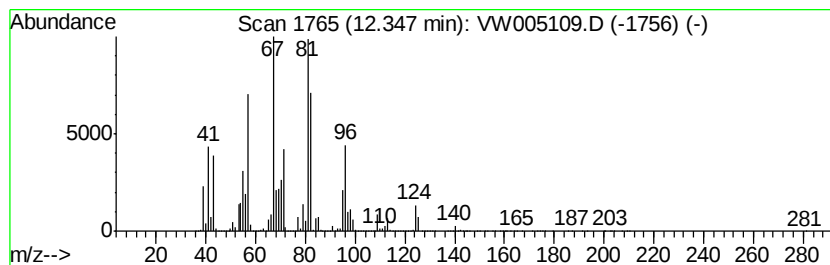
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 unknown12.35 Concentration Rank 4

| R.T.  | EstConc     | Area     | Relative to ISTD | R.T.  |
|-------|-------------|----------|------------------|-------|
| 12.35 | 613.11 ug/l | 60722900 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, octahydro-, trans- | 124 | C9H16   | 003296-50-2 | 49   |
| 2    |    | 1-Pentadecyne                 | 208 | C15H28  | 000765-13-9 | 46   |
| 3    |    | 1-Hexadecyne                  | 222 | C16H30  | 000629-74-3 | 46   |
| 4    |    | Cyclohexene, 1-methyl-        | 96  | C7H12   | 000591-49-1 | 43   |
| 5    |    | Cyclohexene,3-propyl-         | 124 | C9H16   | 003983-06-0 | 38   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090418\  
Data File : VW005109.D  
Acq On : 05 Sep 2018 05:33  
Operator : SY/AP  
Sample : J4693-01  
Misc : 5.66G/5ML/MSVOA W/SOIL  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EP1-MW-E(8-10)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
Quant Title : SW846 8260

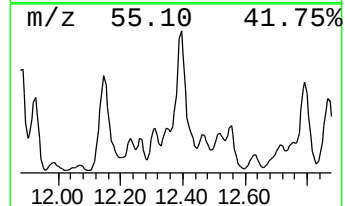
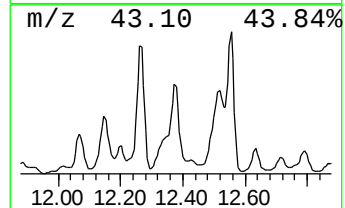
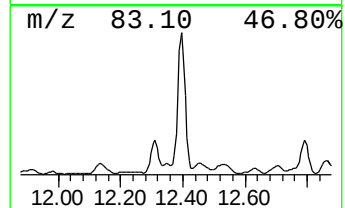
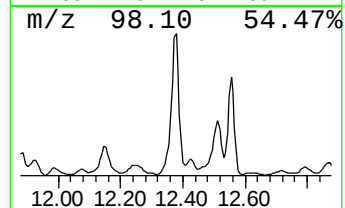
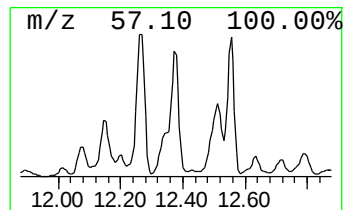
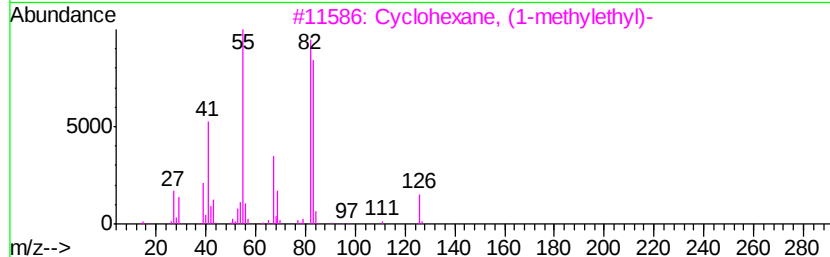
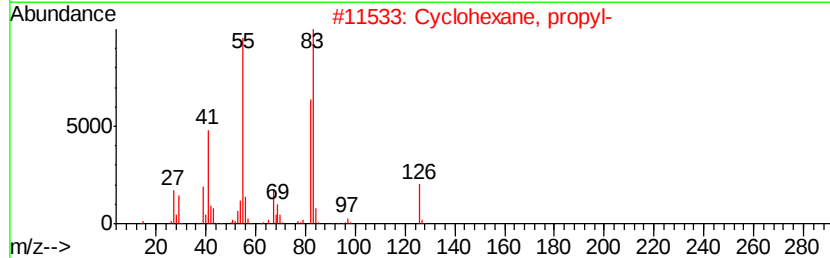
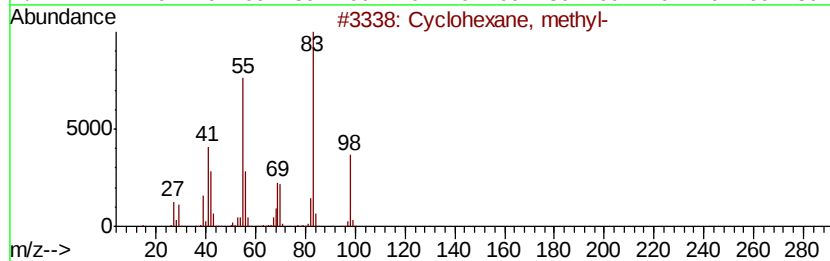
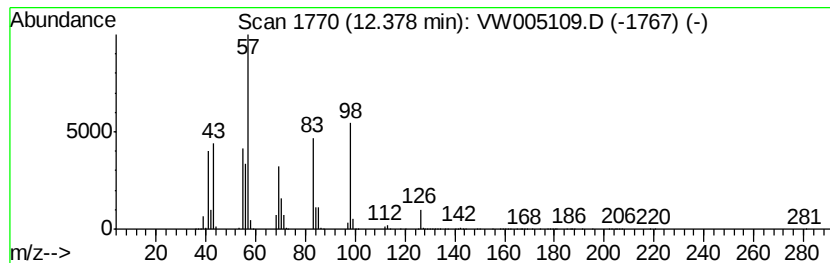
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Cyclohexane, methyl- Concentration Rank 1

| R.T.  | EstConc      | Area      | Relative to ISTD | R.T.  |
|-------|--------------|-----------|------------------|-------|
| 12.38 | 1024.61 ug/l | 101479000 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, methyl-               | 98  | C7H14   | 000108-87-2 | 64   |
| 2    |    | Cyclohexane, propyl-               | 126 | C9H18   | 001678-92-8 | 53   |
| 3    |    | Cyclohexane, (1-methylethyl)-      | 126 | C9H18   | 000696-29-7 | 50   |
| 4    |    | Ethanone, 1-(1-methylcyclopentyl)- | 126 | C8H14O  | 013388-93-7 | 50   |
| 5    |    | (S)-(+)-5-Methyl-1-heptanol        | 130 | C8H18O  | 057803-73-3 | 50   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090418\  
Data File : VW005109.D  
Acq On : 05 Sep 2018 05:33  
Operator : SY/AP  
Sample : J4693-01  
Misc : 5.66G/5ML/MSVOA W/SOIL  
ALS Vial : 38 Sample Multiplier: 1

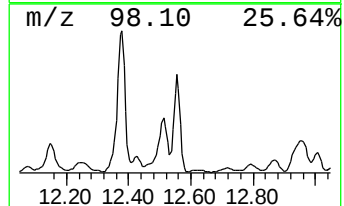
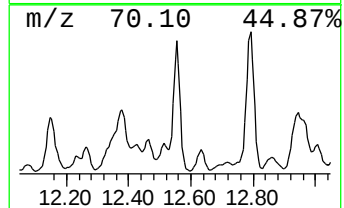
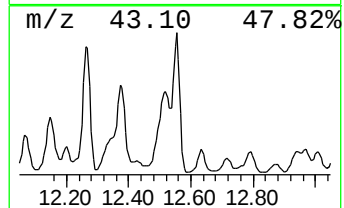
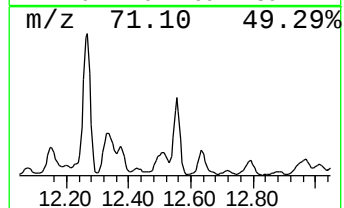
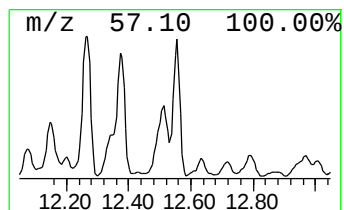
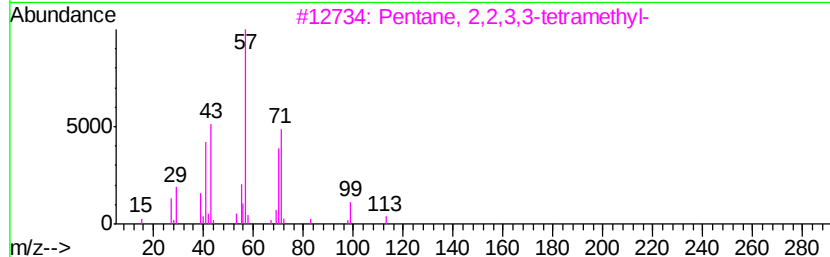
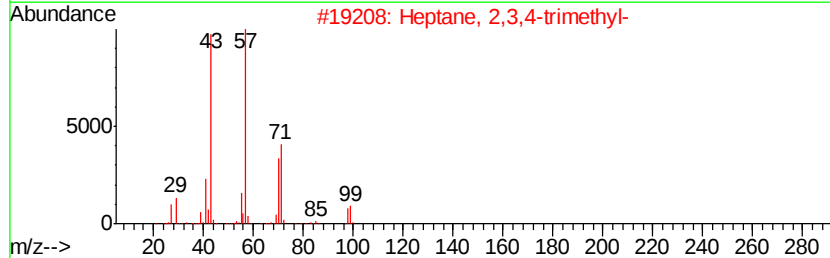
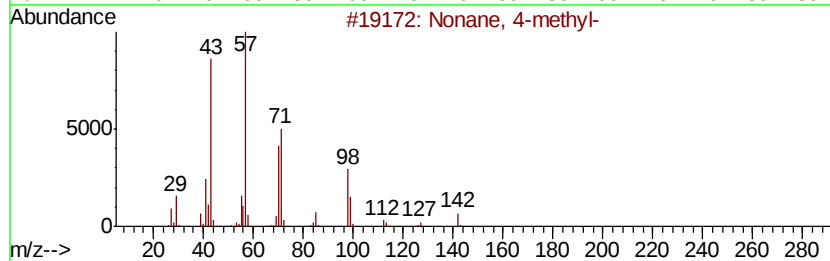
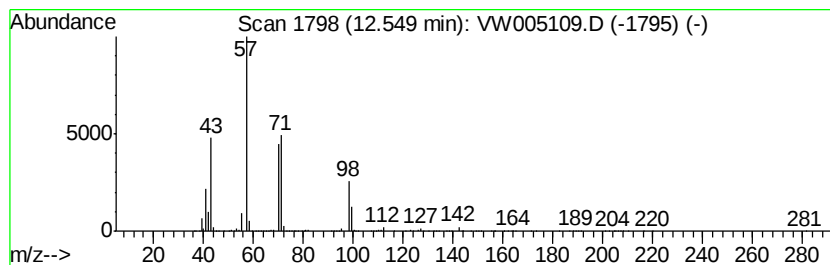
Instrument :  
MSVOA\_W  
ClientSampleId :  
EP1-MW-E(8-10)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 10 Nonane, 4-methyl- Concentration Rank 2

| R.T.    | EstConc                       | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------------|--------------|------------------|-----------|
| 12.55   | 634.48 ug/l                   | 62840200     | Chlorobenzene-d5 | 11.63     |
| Hit# of | 5                             | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Nonane, 4-methyl-             | 142 C10H22   | 017301-94-9      | 64        |
| 2       | Heptane, 2,3,4-trimethyl-     | 142 C10H22   | 052896-95-4      | 64        |
| 3       | Pentane, 2,2,3,3-tetramethyl- | 128 C9H20    | 007154-79-2      | 59        |
| 4       | Octane, 3,5-dimethyl-         | 142 C10H22   | 015869-93-9      | 43        |
| 5       | Heptane, 4-propyl-            | 142 C10H22   | 003178-29-8      | 38        |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW090418\  
 Data File : VW005109.D  
 Acq On : 05 Sep 2018 05:33  
 Operator : SY/AP  
 Sample : J4693-01  
 Misc : 5.66G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EP1-MW-E(8-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.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 |
| Cyclohexane, 1,1,... | 11.24 | 263.2   | ug/l  | 26066200  | 3                     | 11.63 | 4952080 | 50.0 |
| Octane, 4-methyl-    | 11.41 | 151.4   | ug/l  | 14991700  | 3                     | 11.63 | 4952080 | 50.0 |
| Octane, 3-methyl-    | 11.52 | 253.6   | ug/l  | 25111600  | 3                     | 11.63 | 4952080 | 50.0 |
| 1-Ethyl-4-methylc... | 11.88 | 324.4   | ug/l  | 32133200  | 3                     | 11.63 | 4952080 | 50.0 |
| Cyclohexane, 1-et... | 11.93 | 242.4   | ug/l  | 24009300  | 3                     | 11.63 | 4952080 | 50.0 |
| Heptane, 4,4-dime... | 12.07 | 147.1   | ug/l  | 14567700  | 3                     | 11.63 | 4952080 | 50.0 |
| Nonane, 3-methyl-    | 12.27 | 623.4   | ug/l  | 61744700  | 3                     | 11.63 | 4952080 | 50.0 |
| unknown12.35         | 12.35 | 613.1   | ug/l  | 60722900  | 3                     | 11.63 | 4952080 | 50.0 |
| Cyclohexane, methyl- | 12.38 | 1024.6  | ug/l  | 101479000 | 3                     | 11.63 | 4952080 | 50.0 |
| Nonane, 4-methyl-    | 12.55 | 634.5   | ug/l  | 62840200  | 3                     | 11.63 | 4952080 | 50.0 |