

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112724\  
 Data File : VX044046.D  
 Acq On : 27 Nov 2024 17:20  
 Operator : JC/MD  
 Sample : P5021-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-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\_X\Method\82X112124W.M  
 Title : SW846 8260

Signal : TIC: VX044046.D\data.ms

| 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         | 1.416       | 50            | 54          | 57           | rBV      | 16714          | 16534         | 1.94%           | 0.205%        |
| 2         | 1.624       | 69            | 88          | 89           | rBV4     | 21109          | 100709        | 11.80%          | 1.250%        |
| 3         | 1.715       | 100           | 103         | 113          | rVB      | 16709          | 24881         | 2.92%           | 0.309%        |
| 4         | 2.111       | 162           | 168         | 179          | rVV10    | 5954           | 17810         | 2.09%           | 0.221%        |
| 5         | 2.325       | 195           | 203         | 210          | rBV      | 91563          | 176481        | 20.68%          | 2.191%        |
| 6         | 2.770       | 267           | 276         | 287          | rBV      | 165080         | 361671        | 42.38%          | 4.489%        |
| 7         | 4.038       | 475           | 484         | 485          | rBV4     | 5444           | 10904         | 1.28%           | 0.135%        |
| 8         | 4.202       | 497           | 511         | 522          | rBV2     | 33230          | 99548         | 11.67%          | 1.236%        |
| 9         | 4.428       | 537           | 548         | 561          | rVB10    | 5725           | 23375         | 2.74%           | 0.290%        |
| 10        | 5.111       | 647           | 660         | 673          | rBV5     | 9928           | 37748         | 4.42%           | 0.469%        |
| 11        | 5.385       | 694           | 705         | 716          | rBV2     | 94237          | 281509        | 32.99%          | 3.494%        |
| 12        | 5.544       | 721           | 731         | 738          | rVV      | 149970         | 451107        | 52.86%          | 5.600%        |
| 13        | 5.605       | 739           | 741         | 755          | rVB4     | 60789          | 146928        | 17.22%          | 1.824%        |
| 14        | 5.836       | 768           | 779         | 788          | rBV4     | 8017           | 23961         | 2.81%           | 0.297%        |
| 15        | 5.952       | 788           | 798         | 811          | rBV      | 116956         | 313055        | 36.68%          | 3.886%        |
| 16        | 6.178       | 826           | 835         | 837          | rBV4     | 8013           | 17245         | 2.02%           | 0.214%        |
| 17        | 6.239       | 839           | 845         | 854          | rVV      | 19348          | 57633         | 6.75%           | 0.715%        |
| 18        | 6.354       | 855           | 864         | 872          | rVB6     | 8911           | 23964         | 2.81%           | 0.297%        |
| 19        | 6.757       | 921           | 930         | 953          | rBV      | 251991         | 623597        | 73.07%          | 7.741%        |
| 20        | 7.165       | 991           | 997         | 1005         | rVB6     | 5070           | 10073         | 1.18%           | 0.125%        |
| 21        | 7.354       | 1020          | 1028        | 1036         | rBV4     | 12025          | 31073         | 3.64%           | 0.386%        |
| 22        | 7.494       | 1045          | 1051        | 1056         | rBV6     | 5663           | 12968         | 1.52%           | 0.161%        |
| 23        | 7.555       | 1056          | 1061        | 1065         | rBV5     | 4880           | 10405         | 1.22%           | 0.129%        |
| 24        | 7.763       | 1089          | 1095        | 1105         | rVB3     | 11063          | 25285         | 2.96%           | 0.314%        |
| 25        | 7.982       | 1124          | 1131        | 1141         | rVB3     | 18914          | 43778         | 5.13%           | 0.543%        |
| 26        | 8.104       | 1141          | 1151        | 1160         | rBV      | 39759          | 82562         | 9.67%           | 1.025%        |
| 27        | 8.317       | 1178          | 1186        | 1192         | rBV7     | 7807           | 18338         | 2.15%           | 0.228%        |
| 28        | 8.513       | 1210          | 1218        | 1225         | rVB6     | 7523           | 16858         | 1.98%           | 0.209%        |
| 29        | 8.647       | 1227          | 1240        | 1251         | rBV      | 511183         | 853372        | 100.00%         | 10.593%       |
| 30        | 8.958       | 1286          | 1291        | 1299         | rVB4     | 28149          | 55006         | 6.45%           | 0.683%        |
| 31        | 9.043       | 1299          | 1305        | 1310         | rBV      | 26100          | 45249         | 5.30%           | 0.562%        |
| 32        | 9.098       | 1310          | 1314        | 1319         | rVB      | 15210          | 24250         | 2.84%           | 0.301%        |
| 33        | 9.159       | 1319          | 1324        | 1328         | rBV      | 21609          | 34441         | 4.04%           | 0.428%        |
| 34        | 9.427       | 1363          | 1368        | 1370         | rBV2     | 8185           | 12724         | 1.49%           | 0.158%        |
| 35        | 9.457       | 1370          | 1373        | 1377         | rVV2     | 10744          | 18282         | 2.14%           | 0.227%        |
| 36        | 9.506       | 1377          | 1381        | 1386         | rVB5     | 9664           | 17876         | 2.09%           | 0.222%        |

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MW-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\_X\Method\82X112124W.M  
Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 9.756  | 1416 | 1422 | 1426 | rBV5 | 7112   | 12452  | 1.46%  | 0.155% |
| 38 | 10.049 | 1465 | 1470 | 1480 | rBV  | 475716 | 690585 | 80.92% | 8.572% |
| 39 | 10.268 | 1502 | 1506 | 1510 | rBV7 | 5244   | 9294   | 1.09%  | 0.115% |
| 40 | 10.579 | 1547 | 1557 | 1565 | rBV7 | 5843   | 19201  | 2.25%  | 0.238% |

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 41 | 10.774 | 1581 | 1589 | 1592 | rBV7 | 4714   | 10239  | 1.20%  | 0.127% |
| 42 | 11.079 | 1634 | 1639 | 1651 | rBV  | 381050 | 515526 | 60.41% | 6.399% |
| 43 | 11.610 | 1723 | 1726 | 1735 | rVB7 | 8650   | 17989  | 2.11%  | 0.223% |
| 44 | 11.707 | 1735 | 1742 | 1745 | rBV7 | 8914   | 16515  | 1.94%  | 0.205% |
| 45 | 11.866 | 1761 | 1768 | 1770 | rBV  | 12196  | 17841  | 2.09%  | 0.221% |

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 46 | 12.018 | 1788 | 1793 | 1802 | rVV  | 477767 | 623213 | 73.03% | 7.736% |
| 47 | 12.085 | 1802 | 1804 | 1807 | rVV  | 9825   | 11739  | 1.38%  | 0.146% |
| 48 | 12.116 | 1807 | 1809 | 1815 | rVV7 | 6268   | 11233  | 1.32%  | 0.139% |
| 49 | 12.177 | 1815 | 1819 | 1824 | rVB2 | 17407  | 22191  | 2.60%  | 0.275% |
| 50 | 12.244 | 1824 | 1830 | 1834 | rBV4 | 14056  | 24020  | 2.81%  | 0.298% |

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 51 | 12.311 | 1835 | 1841 | 1850 | rVB  | 53065 | 80538 | 9.44% | 1.000% |
| 52 | 12.402 | 1850 | 1856 | 1860 | rBV2 | 23479 | 32879 | 3.85% | 0.408% |
| 53 | 12.469 | 1862 | 1867 | 1872 | rVB  | 52591 | 70449 | 8.26% | 0.874% |
| 54 | 12.609 | 1882 | 1890 | 1894 | rVB2 | 13494 | 22025 | 2.58% | 0.273% |
| 55 | 12.658 | 1894 | 1898 | 1900 | rBV4 | 8580  | 11047 | 1.29% | 0.137% |

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 56 | 12.695 | 1900 | 1904 | 1911 | rVV  | 162486 | 236372 | 27.70% | 2.934% |
| 57 | 12.756 | 1912 | 1914 | 1918 | rVB3 | 14842  | 17264  | 2.02%  | 0.214% |
| 58 | 12.835 | 1918 | 1927 | 1934 | rBV4 | 32181  | 69500  | 8.14%  | 0.863% |
| 59 | 12.896 | 1934 | 1937 | 1939 | rBV  | 19386  | 23119  | 2.71%  | 0.287% |
| 60 | 12.920 | 1939 | 1941 | 1946 | rVB4 | 11430  | 15746  | 1.85%  | 0.195% |

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 61 | 13.030 | 1955 | 1959 | 1965 | rVB  | 41187 | 54234 | 6.36% | 0.673% |
| 62 | 13.115 | 1969 | 1973 | 1974 | rVV3 | 21049 | 26117 | 3.06% | 0.324% |
| 63 | 13.134 | 1974 | 1976 | 1981 | rVV2 | 39699 | 49195 | 5.76% | 0.611% |
| 64 | 13.189 | 1981 | 1985 | 1989 | rVV  | 38013 | 52787 | 6.19% | 0.655% |
| 65 | 13.237 | 1989 | 1993 | 1997 | rVV3 | 15428 | 29894 | 3.50% | 0.371% |

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 66 | 13.292 | 1998 | 2002 | 2007 | rVV6 | 28669 | 54113 | 6.34% | 0.672% |
| 67 | 13.341 | 2007 | 2010 | 2015 | rVV3 | 37817 | 53950 | 6.32% | 0.670% |
| 68 | 13.390 | 2015 | 2018 | 2020 | rVV  | 20129 | 25614 | 3.00% | 0.318% |
| 69 | 13.426 | 2020 | 2024 | 2029 | rVB2 | 29420 | 48434 | 5.68% | 0.601% |
| 70 | 13.512 | 2035 | 2038 | 2041 | rBV2 | 10163 | 13754 | 1.61% | 0.171% |

|    |        |      |      |      |      |       |        |        |        |
|----|--------|------|------|------|------|-------|--------|--------|--------|
| 71 | 13.542 | 2041 | 2043 | 2047 | rVV2 | 19921 | 25432  | 2.98%  | 0.316% |
| 72 | 13.640 | 2051 | 2059 | 2062 | rVV3 | 90219 | 156496 | 18.34% | 1.943% |
| 73 | 13.670 | 2062 | 2064 | 2068 | rVB3 | 14135 | 15738  | 1.84%  | 0.195% |
| 74 | 13.749 | 2073 | 2077 | 2079 | rBV  | 22450 | 30088  | 3.53%  | 0.373% |
| 75 | 13.780 | 2079 | 2082 | 2091 | rVV2 | 44063 | 101148 | 11.85% | 1.256% |

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 76 | 13.847 | 2091 | 2093 | 2098 | rVB5 | 13646 | 21869 | 2.56% | 0.271% |
|----|--------|------|------|------|------|-------|-------|-------|--------|

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Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-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\_X\Method\82X112124W.M  
Title : SW846 8260

|    |        |      |      |      |      |       |       |        |        |
|----|--------|------|------|------|------|-------|-------|--------|--------|
| 77 | 13.926 | 2098 | 2106 | 2110 | rBV4 | 23993 | 49494 | 5.80%  | 0.614% |
| 78 | 13.975 | 2110 | 2114 | 2118 | rVB  | 26913 | 37479 | 4.39%  | 0.465% |
| 79 | 14.060 | 2126 | 2128 | 2132 | rVB5 | 8426  | 8744  | 1.02%  | 0.109% |
| 80 | 14.140 | 2137 | 2141 | 2142 | rBV4 | 16233 | 22734 | 2.66%  | 0.282% |
| 81 | 14.213 | 2149 | 2153 | 2158 | rBV4 | 21834 | 38205 | 4.48%  | 0.474% |
| 82 | 14.316 | 2166 | 2170 | 2175 | rBV  | 69971 | 91327 | 10.70% | 1.134% |
| 83 | 14.371 | 2175 | 2179 | 2184 | rVB  | 49276 | 71351 | 8.36%  | 0.886% |
| 84 | 14.481 | 2192 | 2197 | 2201 | rBV2 | 20982 | 37618 | 4.41%  | 0.467% |
| 85 | 14.603 | 2210 | 2217 | 2221 | rBV5 | 35675 | 75450 | 8.84%  | 0.937% |
| 86 | 14.676 | 2225 | 2229 | 2233 | rVB  | 18487 | 24021 | 2.81%  | 0.298% |
| 87 | 14.786 | 2243 | 2247 | 2250 | rBV4 | 12336 | 20282 | 2.38%  | 0.252% |
| 88 | 15.182 | 2306 | 2312 | 2319 | rBV3 | 21748 | 51421 | 6.03%  | 0.638% |
| 89 | 15.365 | 2339 | 2342 | 2345 | rBV5 | 6377  | 8616  | 1.01%  | 0.107% |
| 90 | 15.523 | 2363 | 2368 | 2373 | rVB7 | 6466  | 14183 | 1.66%  | 0.176% |
| 91 | 15.987 | 2439 | 2444 | 2449 | rBV8 | 5991  | 10519 | 1.23%  | 0.131% |
| 92 | 16.322 | 2492 | 2499 | 2506 | rVB3 | 11234 | 22452 | 2.63%  | 0.279% |
| 93 | 16.694 | 2557 | 2560 | 2571 | rVB5 | 5121  | 11017 | 1.29%  | 0.137% |

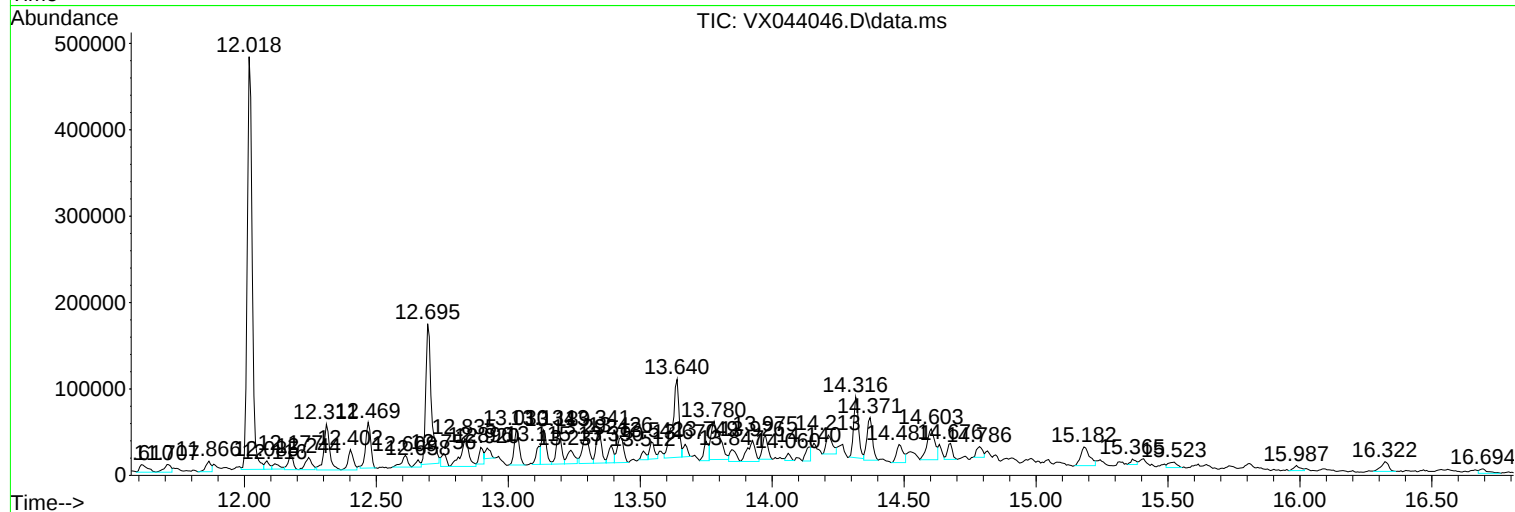
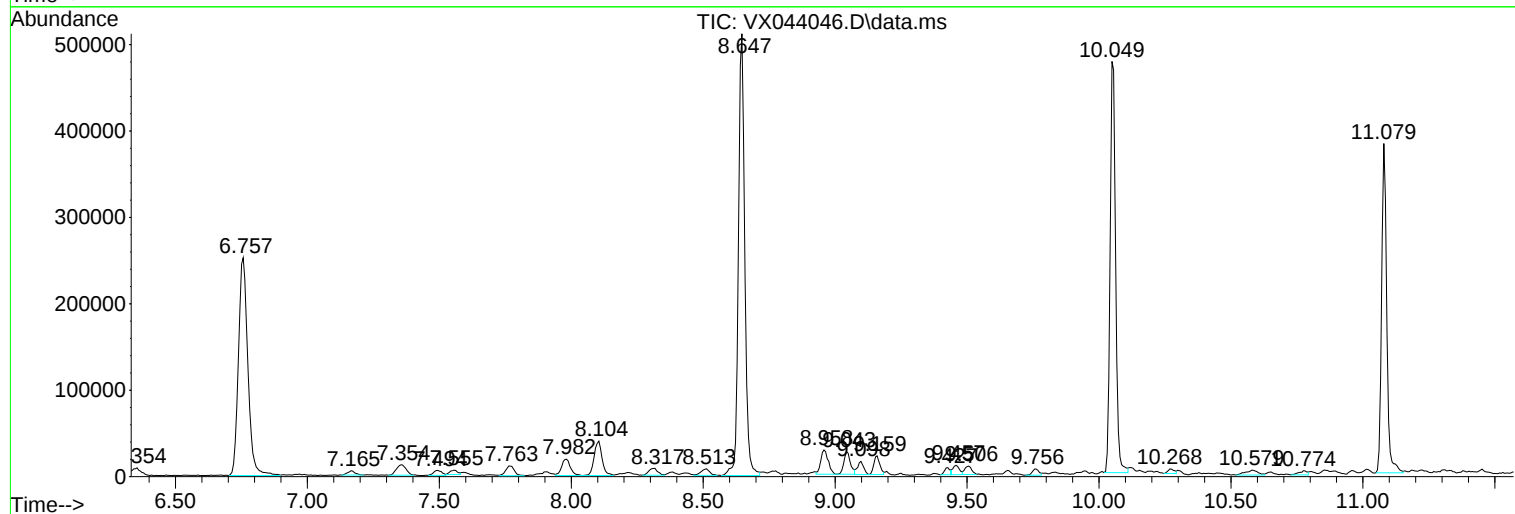
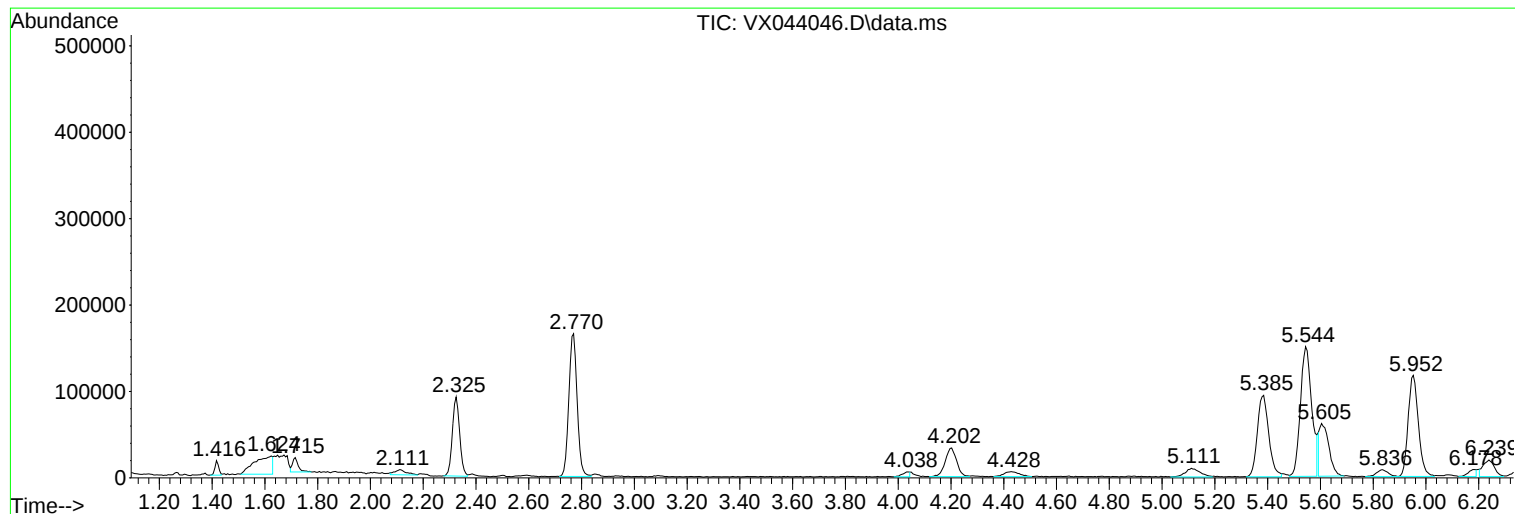
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112724\  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260

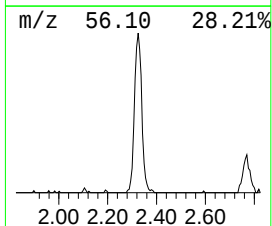
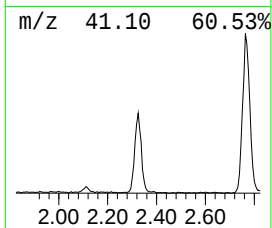
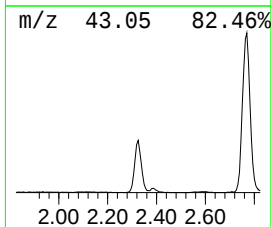
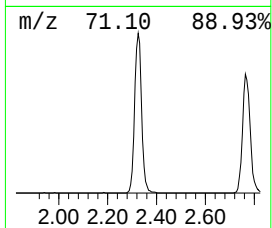
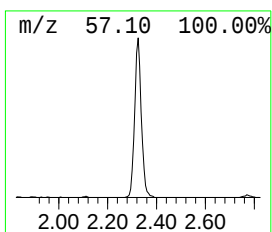
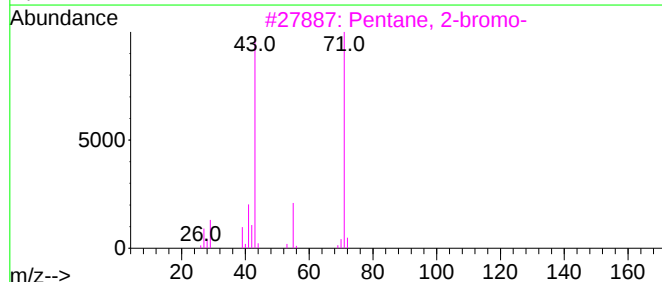
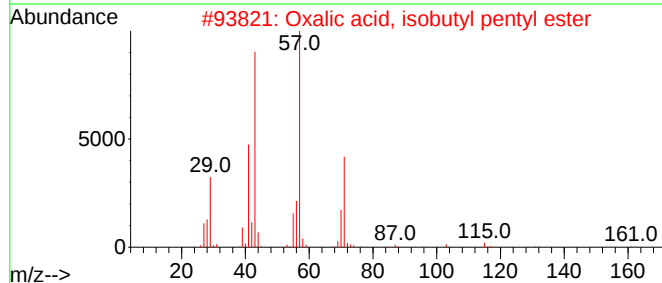
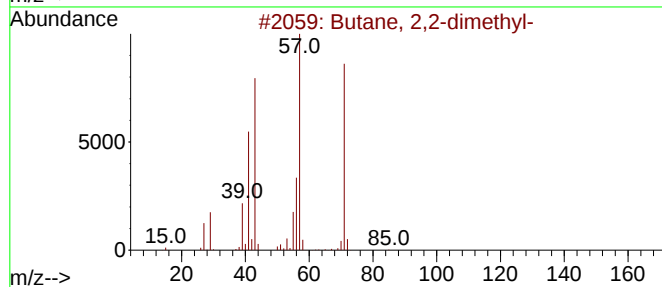
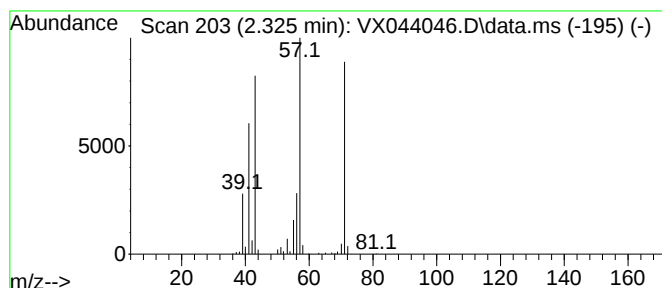
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Butane, 2,2-dimethyl- Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 2.325 | 19.56 ug/l | 176481 | Pentafluorobenzene | 5.550 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Butane, 2,2-dimethyl-               | 86  | C6H14    | 000075-83-2  | 90   |
| 2    |    |   | Oxalic acid, isobutyl pentyl ester  | 216 | C11H20O4 | 1000309-37-0 | 64   |
| 3    |    |   | Pentane, 2-bromo-                   | 150 | C5H11Br  | 000107-81-3  | 50   |
| 4    |    |   | Sulfurous acid, isobutyl pentyl ... | 208 | C9H20O3S | 1000309-13-8 | 45   |
| 5    |    |   | Butanoic acid, 2-propenyl ester     | 128 | C7H12O2  | 002051-78-7  | 42   |



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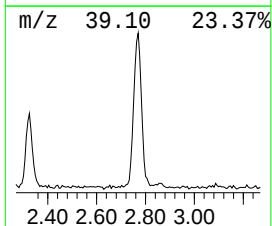
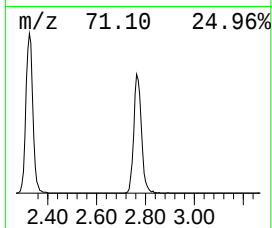
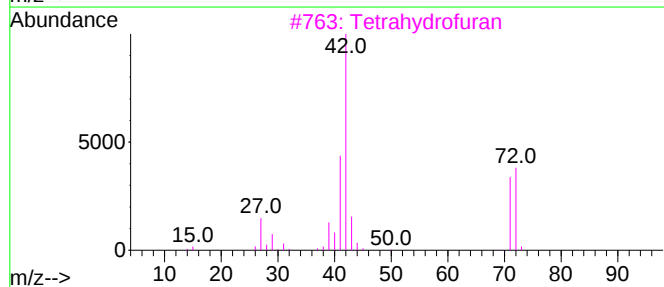
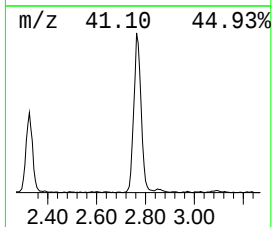
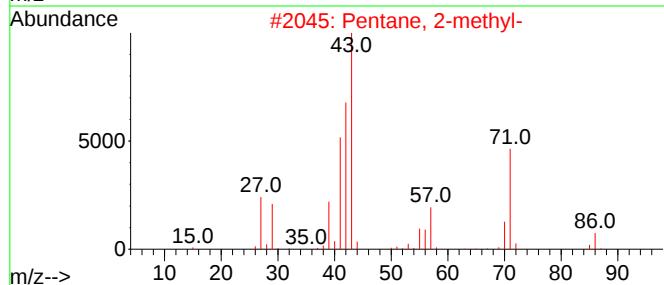
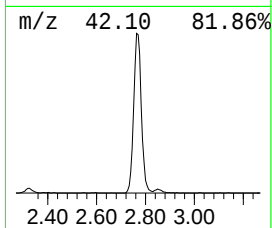
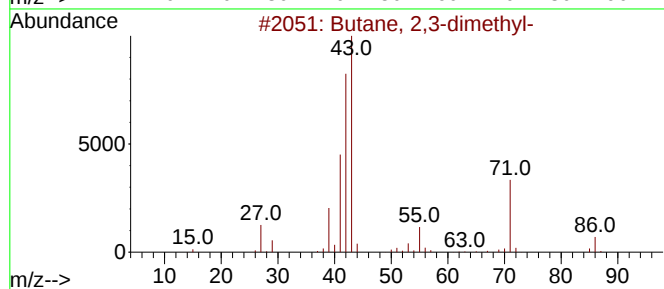
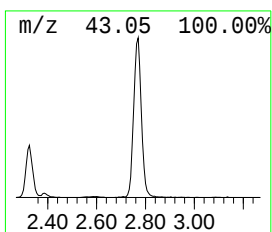
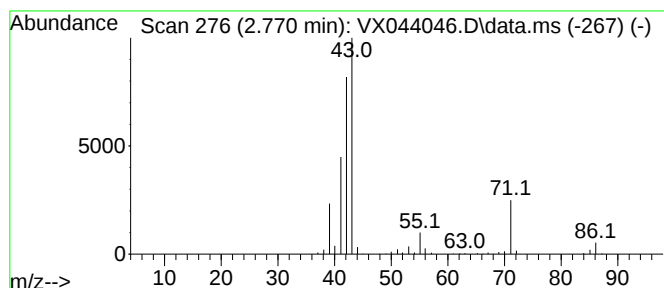
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Butane, 2,3-dimethyl- Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 2.770 | 40.09 ug/l | 361671 | Pentafluorobenzene | 5.550 |

| Hit# | of | 5 | Tentative ID                | MW | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|----|---------|-------------|------|
| 1    |    |   | Butane, 2,3-dimethyl-       | 86 | C6H14   | 000079-29-8 | 91   |
| 2    |    |   | Pentane, 2-methyl-          | 86 | C6H14   | 000107-83-5 | 78   |
| 3    |    |   | Tetrahydrofuran             | 72 | C4H8O   | 000109-99-9 | 38   |
| 4    |    |   | Pentane                     | 72 | C5H12   | 000109-66-0 | 36   |
| 5    |    |   | Furan, tetrahydro-2-methyl- | 86 | C5H10O  | 000096-47-9 | 9    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112724\  
Data File : VX044046.D  
Acq On : 27 Nov 2024 17:20  
Operator : JC/MD  
Sample : P5021-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260

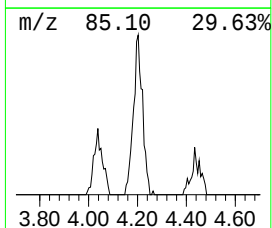
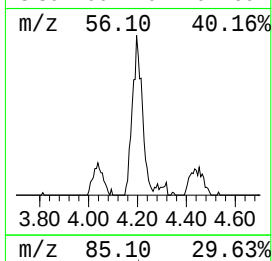
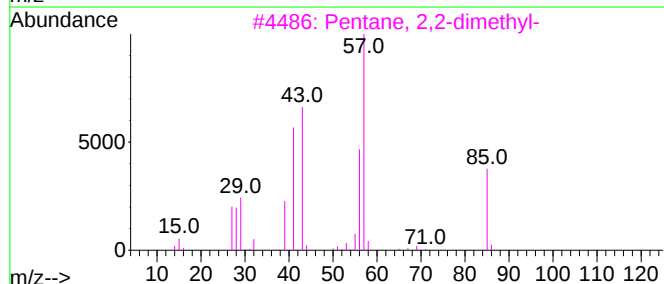
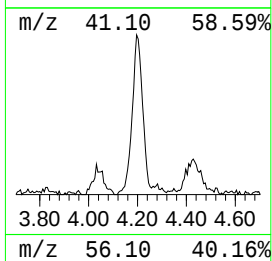
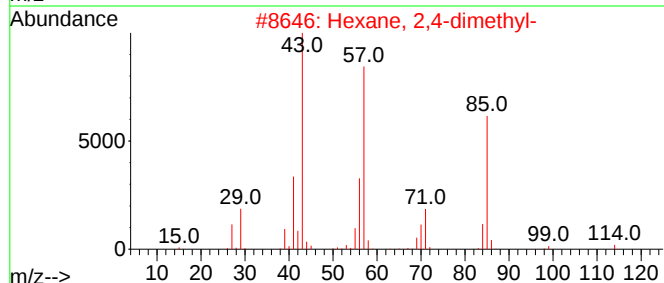
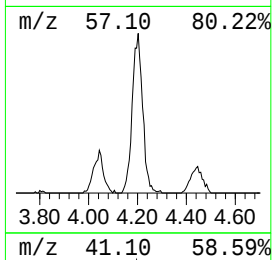
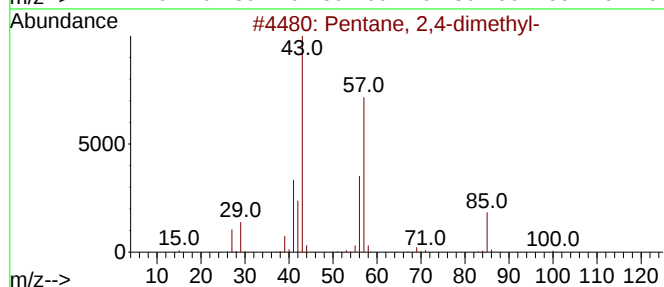
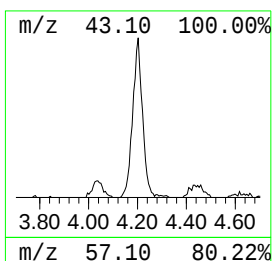
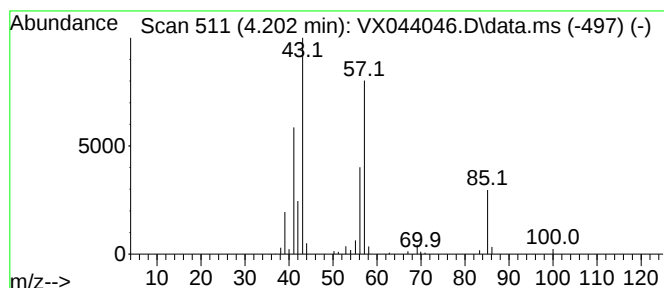
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Pentane, 2,4-dimethyl- Concentration Rank 7

| R.T.  | EstConc    | Area  | Relative to ISTD   | R.T.  |
|-------|------------|-------|--------------------|-------|
| 4.202 | 11.03 ug/l | 99548 | Pentafluorobenzene | 5.550 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#         | Qual |
|------|----|---|--------------------------|-----|---------|--------------|------|
| 1    |    |   | Pentane, 2,4-dimethyl-   | 100 | C7H16   | 000108-08-7  | 90   |
| 2    |    |   | Hexane, 2,4-dimethyl-    | 114 | C8H18   | 000589-43-5  | 64   |
| 3    |    |   | Pentane, 2,2-dimethyl-   | 100 | C7H16   | 000590-35-2  | 59   |
| 4    |    |   | 2-Ethyl-oxetane          | 86  | C5H10O  | 1010386-40-2 | 50   |
| 5    |    |   | Butane, 2,2,3-trimethyl- | 100 | C7H16   | 000464-06-2  | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112724\  
Data File : VX044046.D  
Acq On : 27 Nov 2024 17:20  
Operator : JC/MD  
Sample : P5021-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-10

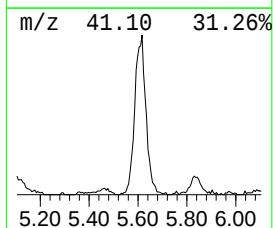
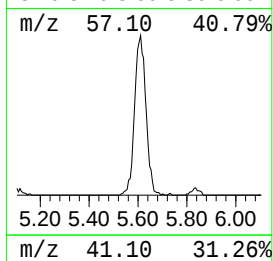
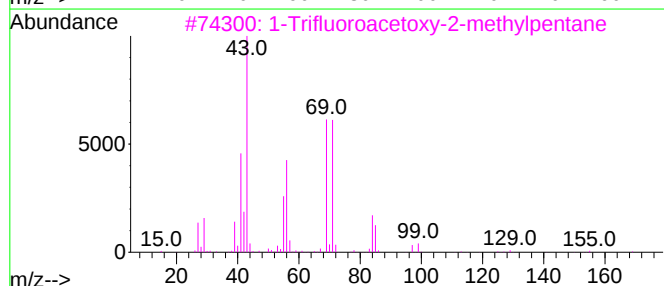
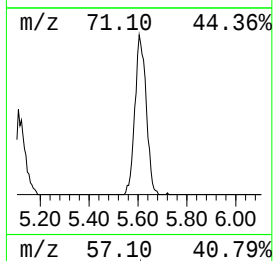
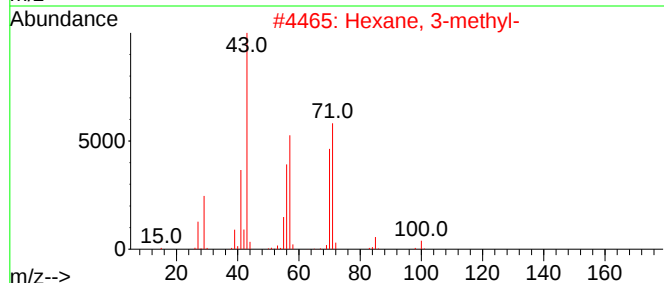
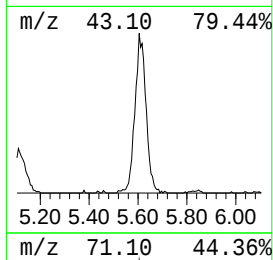
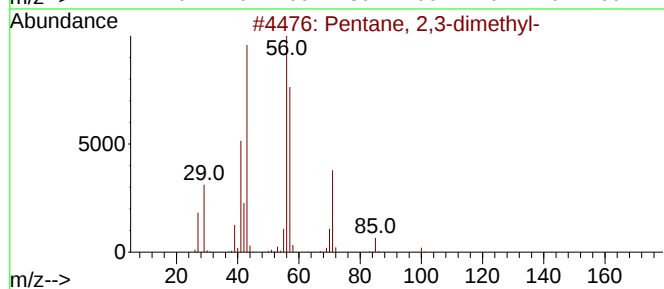
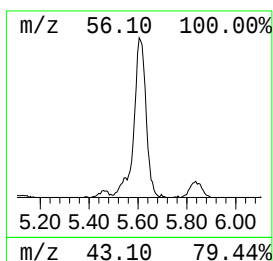
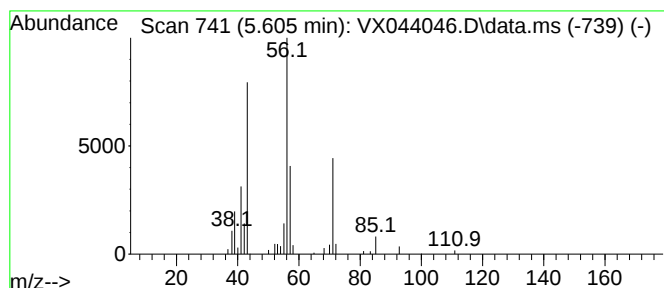
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Pentane, 2,3-dimethyl- Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 5.605 | 16.29 ug/l | 146928 | Pentafluorobenzene | 5.550 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Pentane, 2,3-dimethyl-              | 100 | C7H16     | 000565-59-3 | 50   |
| 2    |    |   | Hexane, 3-methyl-                   | 100 | C7H16     | 000589-34-4 | 37   |
| 3    |    |   | 1-Trifluoroacetoxy-2-methylpentane  | 198 | C8H13F3O2 | 155089-96-6 | 32   |
| 4    |    |   | 2H-Pyran-2,6(3H)-dione, dihydro-... | 142 | C7H10O3   | 004160-82-1 | 32   |
| 5    |    |   | Propane, 2-cyclopropyl-             | 84  | C6H12     | 003638-35-5 | 23   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112724\  
Data File : VX044046.D  
Acq On : 27 Nov 2024 17:20  
Operator : JC/MD  
Sample : P5021-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-10

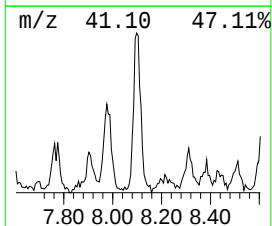
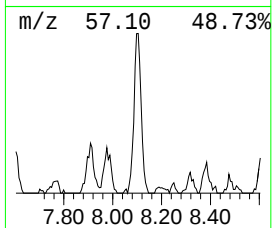
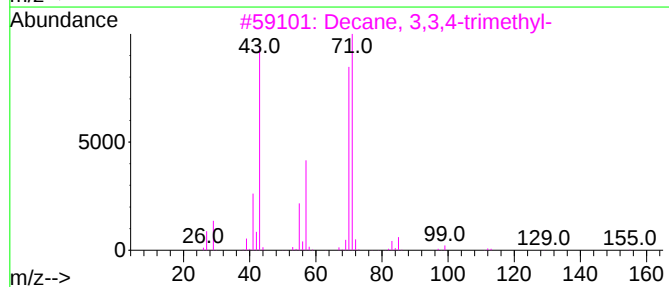
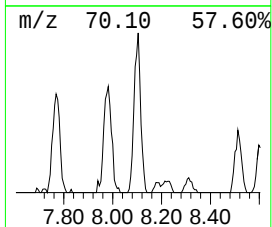
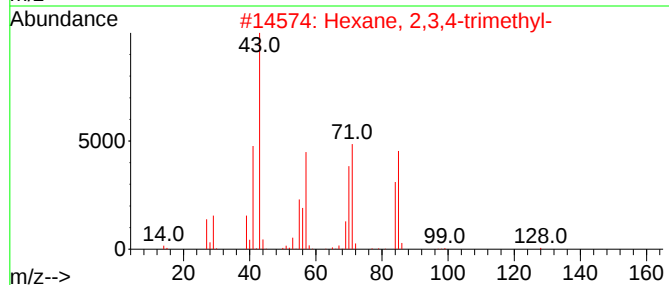
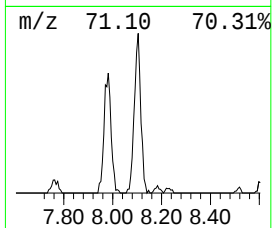
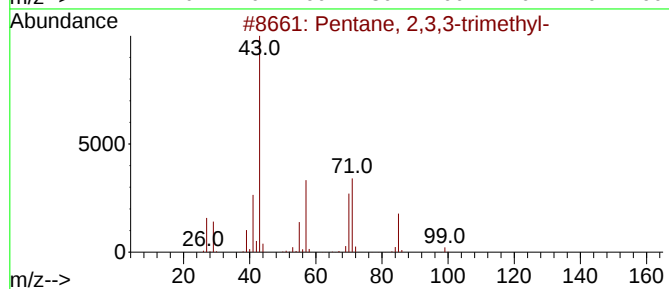
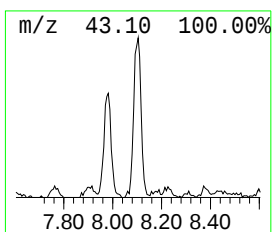
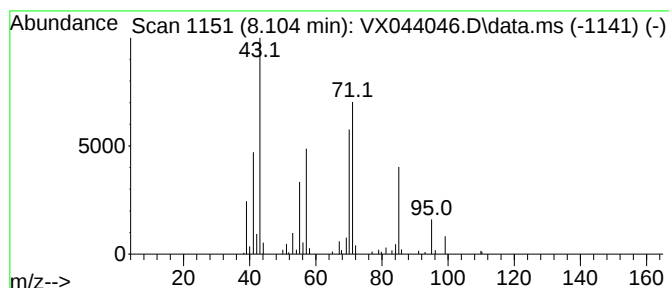
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Pentane, 2,3,3-trimethyl- Concentration Rank 9

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 8.104 | 6.62 ug/l | 82562 | 1,4-Difluorobenzene | 6.757 |

| Hit# | of 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|------|---------------------------|-----|---------|-------------|------|
| 1    |      | Pentane, 2,3,3-trimethyl- | 114 | C8H18   | 000560-21-4 | 78   |
| 2    |      | Hexane, 2,3,4-trimethyl-  | 128 | C9H20   | 000921-47-1 | 78   |
| 3    |      | Decane, 3,3,4-trimethyl-  | 184 | C13H28  | 049622-18-6 | 50   |
| 4    |      | Hexane, 3-methyl-         | 100 | C7H16   | 000589-34-4 | 50   |
| 5    |      | Heptane, 4-methyl-        | 114 | C8H18   | 000589-53-7 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112724\  
Data File : VX044046.D  
Acq On : 27 Nov 2024 17:20  
Operator : JC/MD  
Sample : P5021-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-10

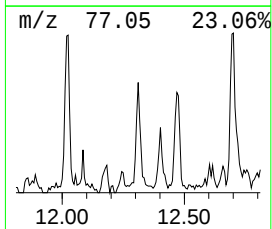
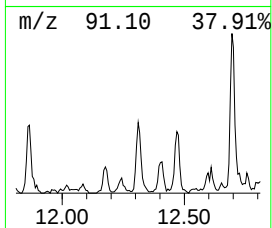
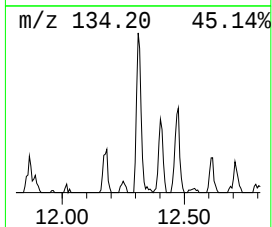
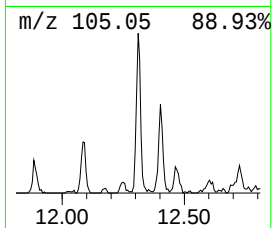
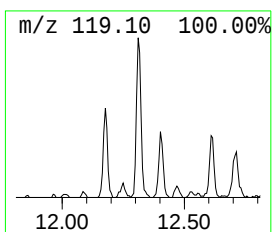
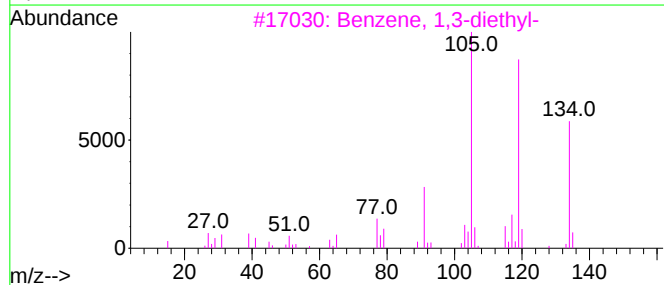
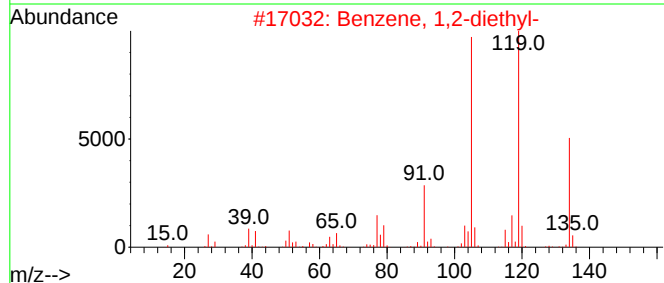
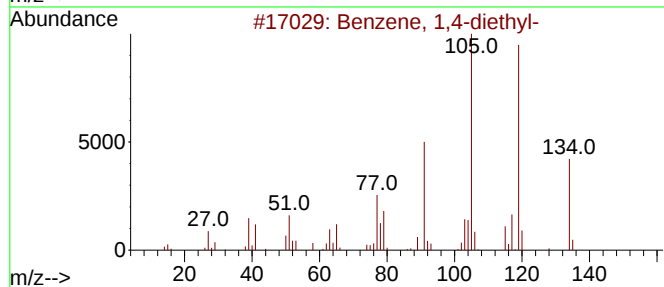
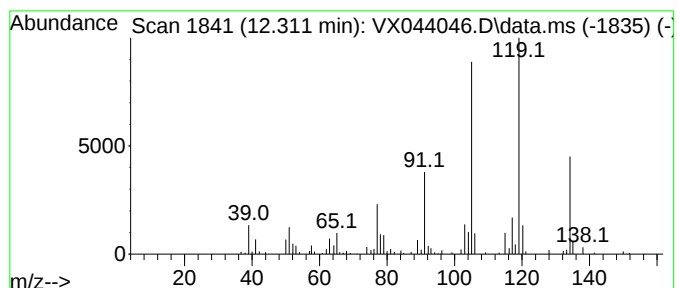
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Benzene, 1,4-diethyl- Concentration Rank 10

| R.T.      | EstConc                         | Area  | Relative to ISTD       |         | R.T.        |      |
|-----------|---------------------------------|-------|------------------------|---------|-------------|------|
| 12.311    | 6.46 ug/l                       | 80538 | 1,4-Dichlorobenzene-d4 |         | 12.018      |      |
| Hit# of 5 | Tentative ID                    |       | MW                     | MolForm | CAS#        | Qual |
| 1         | Benzene, 1,4-diethyl-           |       | 134                    | C10H14  | 000105-05-5 | 96   |
| 2         | Benzene, 1,2-diethyl-           |       | 134                    | C10H14  | 000135-01-3 | 96   |
| 3         | Benzene, 1,3-diethyl-           |       | 134                    | C10H14  | 000141-93-5 | 94   |
| 4         | 1-Methyl-1-silabenzocyclobutene |       | 134                    | C8H10Si | 160841-06-5 | 83   |
| 5         | Benzene, 1-ethyl-3,5-dimethyl-  |       | 134                    | C10H14  | 000934-74-7 | 81   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112724\  
Data File : VX044046.D  
Acq On : 27 Nov 2024 17:20  
Operator : JC/MD  
Sample : P5021-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-10

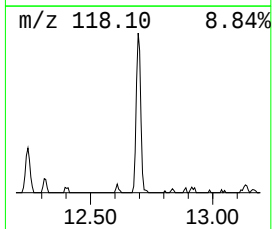
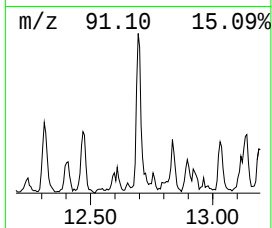
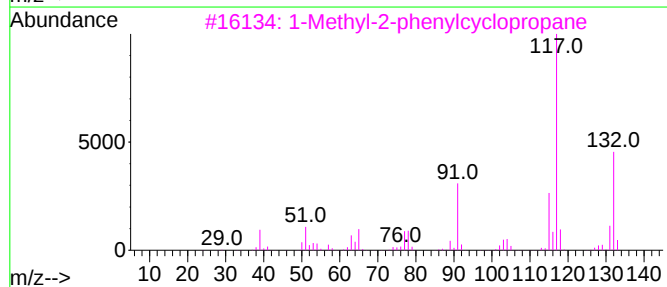
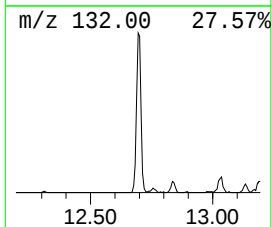
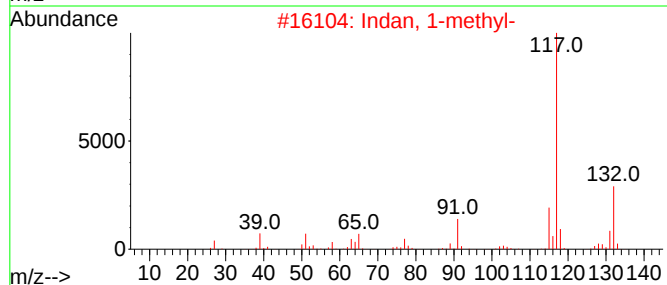
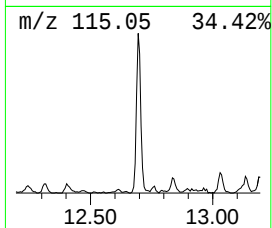
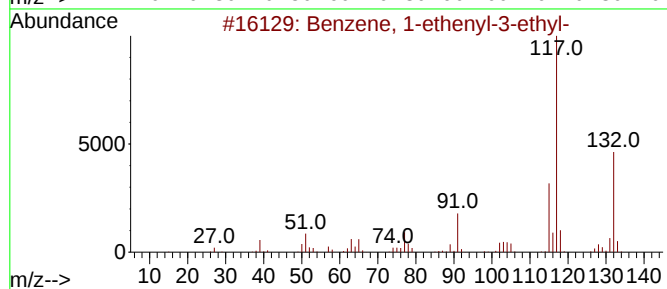
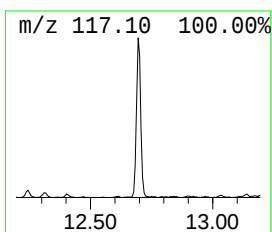
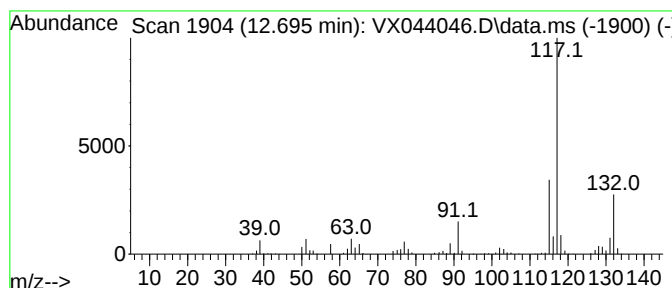
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.695 | 18.96 ug/l | 236372 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethenyl-3-ethyl-     | 132 | C10H12  | 007525-62-4 | 91   |
| 2    |    |   | Indan, 1-methyl-                | 132 | C10H12  | 000767-58-8 | 90   |
| 3    |    |   | 1-Methyl-2-phenylcyclopropane   | 132 | C10H12  | 003145-76-4 | 90   |
| 4    |    |   | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12  | 000768-49-0 | 87   |
| 5    |    |   | Benzene, 1-ethenyl-4-ethyl-     | 132 | C10H12  | 003454-07-7 | 86   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112724\  
Data File : VX044046.D  
Acq On : 27 Nov 2024 17:20  
Operator : JC/MD  
Sample : P5021-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-10

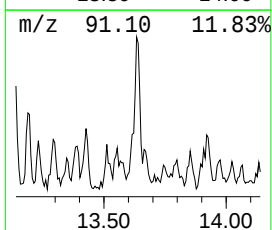
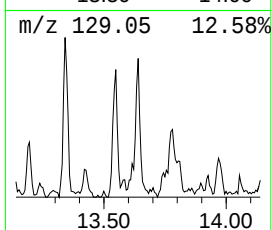
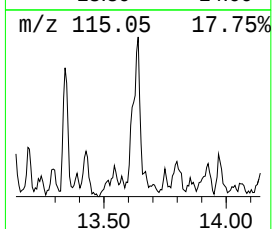
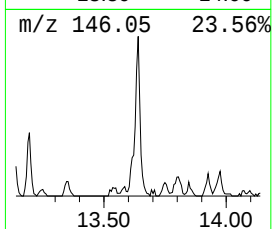
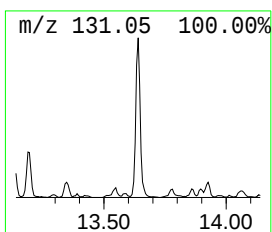
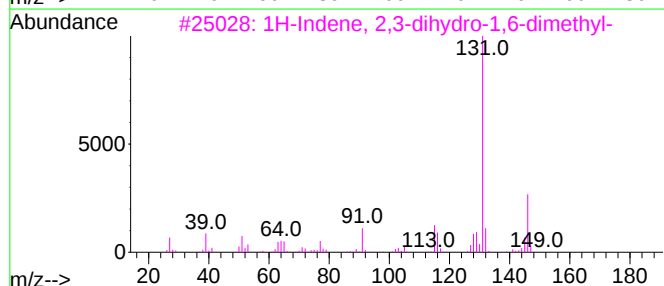
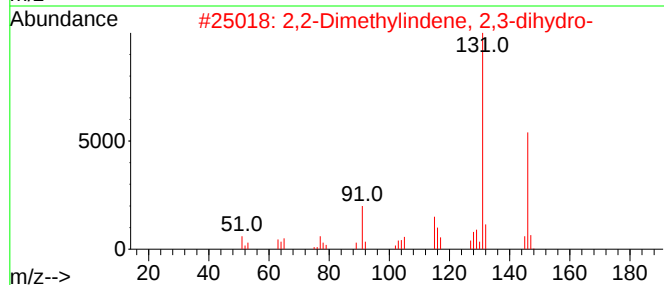
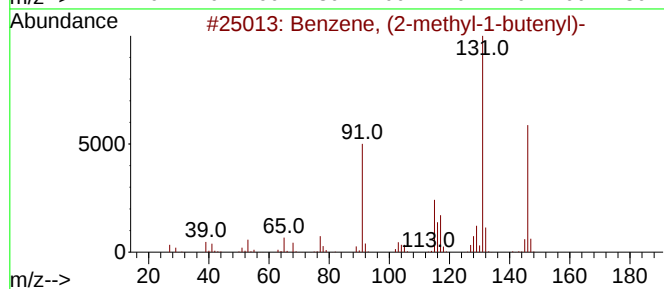
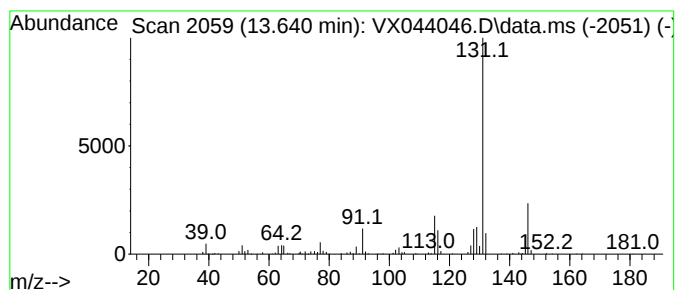
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Benzene, (2-methyl-1-butenyl)- Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.640 | 12.56 ug/l | 156496 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Benzene, (2-methyl-1-butenyl)-      | 146 | C11H14  | 056253-64-6 | 95   |
| 2    |      | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 91   |
| 3    |      | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 91   |
| 4    |      | Benzene, (1-methyl-1-butenyl)-      | 146 | C11H14  | 053172-84-2 | 91   |
| 5    |      | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112724\  
Data File : VX044046.D  
Acq On : 27 Nov 2024 17:20  
Operator : JC/MD  
Sample : P5021-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-10

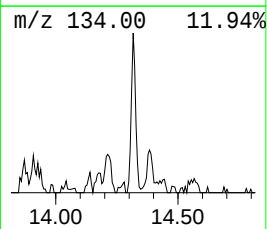
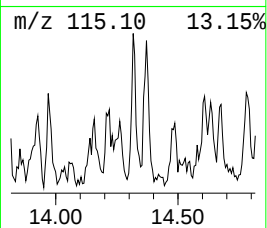
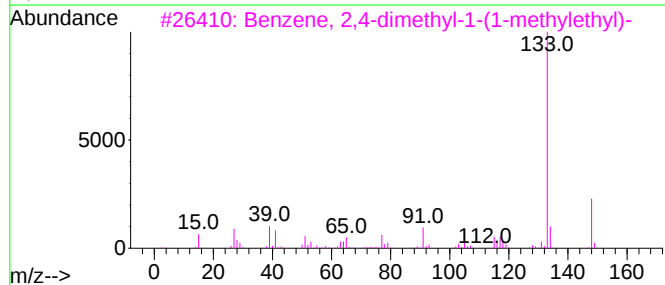
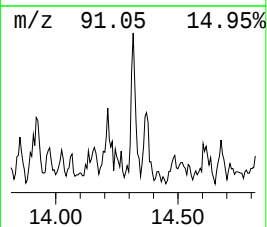
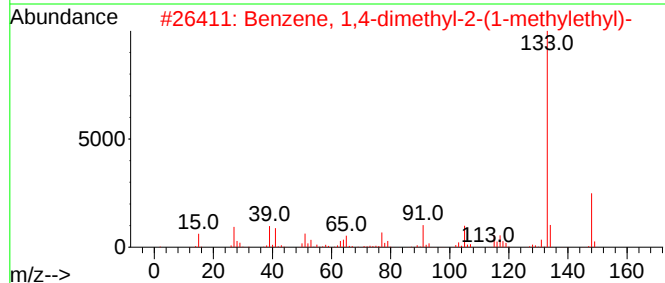
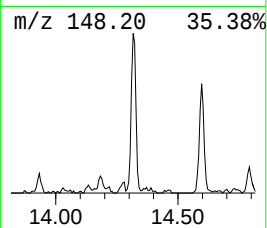
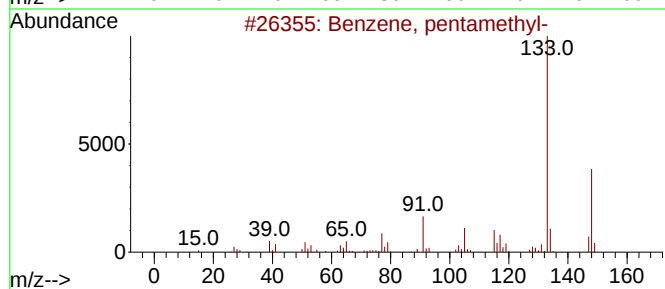
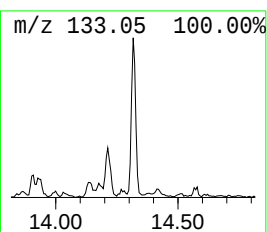
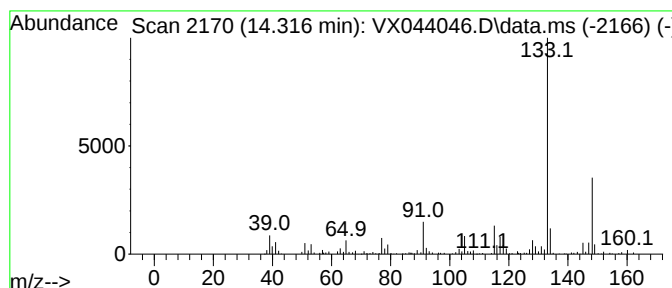
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Benzene, pentamethyl- Concentration Rank 8

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.316 | 7.33 ug/l | 91327 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|------|-------------------------------------|-----|---------|--------------|------|
| 1    |      | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9  | 93   |
| 2    |      | Benzene, 1,4-dimethyl-2-(1-methy... | 148 | C11H16  | 004132-72-3  | 87   |
| 3    |      | Benzene, 2,4-dimethyl-1-(1-methy... | 148 | C11H16  | 004706-89-2  | 87   |
| 4    |      | 3,4-Dimethylcumene                  | 148 | C11H16  | 1000370-34-1 | 87   |
| 5    |      | Benzene, 1-ethyl-2,4,5-trimethyl-   | 148 | C11H16  | 017851-27-3  | 86   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112724\  
Data File : VX044046.D  
Acq On : 27 Nov 2024 17:20  
Operator : JC/MD  
Sample : P5021-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Butane, 2,2-dim... | 2.325  | 19.6    | ug/l  | 176481   | 1                     | 5.550  | 451107 | 50.0 |
| Butane, 2,3-dim... | 2.770  | 40.1    | ug/l  | 361671   | 1                     | 5.550  | 451107 | 50.0 |
| Pentane, 2,4-di... | 4.202  | 11.0    | ug/l  | 99548    | 1                     | 5.550  | 451107 | 50.0 |
| Pentane, 2,3-di... | 5.605  | 16.3    | ug/l  | 146928   | 1                     | 5.550  | 451107 | 50.0 |
| Pentane, 2,3,3-... | 8.104  | 6.6     | ug/l  | 82562    | 2                     | 6.757  | 623597 | 50.0 |
| Benzene, 1,4-di... | 12.311 | 6.5     | ug/l  | 80538    | 4                     | 12.018 | 623213 | 50.0 |
| Benzene, 1-ethe... | 12.695 | 19.0    | ug/l  | 236372   | 4                     | 12.018 | 623213 | 50.0 |
| Benzene, (2-met... | 13.640 | 12.6    | ug/l  | 156496   | 4                     | 12.018 | 623213 | 50.0 |
| Benzene, pentam... | 14.316 | 7.3     | ug/l  | 91327    | 4                     | 12.018 | 623213 | 50.0 |