

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072922\  
 Data File : VX030309.D  
 Acq On : 29 Jul 2022 17:43  
 Operator : JC/MD  
 Sample : N3861-12  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-19R

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\82X072522W.M  
 Title : SW846 8260

Signal : TIC: VX030309.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         | 1.264       | 27            | 29          | 38           | rVB      | 36773          | 40039         | 1.52%           | 0.148%        |
| 2         | 1.368       | 42            | 46          | 52           | rBV      | 47519          | 47767         | 1.82%           | 0.177%        |
| 3         | 1.746       | 103           | 108         | 122          | rVB      | 115833         | 161180        | 6.13%           | 0.597%        |
| 4         | 2.215       | 180           | 185         | 195          | rVB      | 26923          | 44868         | 1.71%           | 0.166%        |
| 5         | 2.337       | 195           | 205         | 210          | rBV2     | 25012          | 46396         | 1.76%           | 0.172%        |
| 6         | 2.776       | 266           | 277         | 286          | rBV      | 151571         | 353002        | 13.42%          | 1.307%        |
| 7         | 2.867       | 286           | 292         | 302          | rVV      | 87153          | 186561        | 7.09%           | 0.691%        |
| 8         | 2.965       | 302           | 308         | 322          | rVV      | 130060         | 286157        | 10.88%          | 1.059%        |
| 9         | 3.117       | 322           | 333         | 346          | rVB4     | 43683          | 122838        | 4.67%           | 0.455%        |
| 10        | 3.739       | 422           | 435         | 436          | rBV4     | 20251          | 42949         | 1.63%           | 0.159%        |
| 11        | 3.837       | 445           | 451         | 458          | rVB3     | 15518          | 38704         | 1.47%           | 0.143%        |
| 12        | 4.111       | 480           | 496         | 503          | rBV4     | 13865          | 42214         | 1.60%           | 0.156%        |
| 13        | 4.215       | 503           | 513         | 519          | rVV2     | 20753          | 61579         | 2.34%           | 0.228%        |
| 14        | 4.306       | 519           | 528         | 539          | rVV3     | 74886          | 220106        | 8.37%           | 0.815%        |
| 15        | 4.428       | 539           | 548         | 562          | rVB6     | 22265          | 74698         | 2.84%           | 0.276%        |
| 16        | 5.147       | 654           | 666         | 667          | rBV6     | 9015           | 29386         | 1.12%           | 0.109%        |
| 17        | 5.397       | 694           | 707         | 713          | rBV2     | 137427         | 411067        | 15.63%          | 1.522%        |
| 18        | 5.470       | 713           | 719         | 726          | rVV2     | 73166          | 227713        | 8.66%           | 0.843%        |
| 19        | 5.556       | 726           | 733         | 740          | rVV2     | 149396         | 455583        | 17.32%          | 1.686%        |
| 20        | 5.629       | 740           | 745         | 761          | rVB3     | 72711          | 221825        | 8.43%           | 0.821%        |
| 21        | 5.855       | 770           | 782         | 790          | rBV4     | 16335          | 51567         | 1.96%           | 0.191%        |
| 22        | 5.964       | 790           | 800         | 808          | rBV      | 163854         | 441023        | 16.76%          | 1.632%        |
| 23        | 6.044       | 808           | 813         | 822          | rVB2     | 41032          | 102002        | 3.88%           | 0.378%        |
| 24        | 6.214       | 827           | 841         | 842          | rVV6     | 26769          | 89884         | 3.42%           | 0.333%        |
| 25        | 6.251       | 843           | 847         | 857          | rVV3     | 46549          | 128473        | 4.88%           | 0.476%        |
| 26        | 6.361       | 857           | 865         | 875          | rVB3     | 48440          | 136526        | 5.19%           | 0.505%        |
| 27        | 6.769       | 922           | 932         | 940          | rBV      | 249615         | 630970        | 23.98%          | 2.336%        |
| 28        | 6.860       | 941           | 947         | 958          | rVB5     | 38221          | 105658        | 4.02%           | 0.391%        |
| 29        | 6.976       | 958           | 966         | 975          | rBV2     | 16516          | 40216         | 1.53%           | 0.149%        |
| 30        | 7.177       | 990           | 999         | 1008         | rVB2     | 47652          | 106312        | 4.04%           | 0.394%        |
| 31        | 7.373       | 1018          | 1031        | 1045         | rBV4     | 86715          | 258753        | 9.84%           | 0.958%        |
| 32        | 7.775       | 1091          | 1097        | 1104         | rVB2     | 25374          | 50549         | 1.92%           | 0.187%        |
| 33        | 7.885       | 1104          | 1115        | 1123         | rBV6     | 25435          | 85779         | 3.26%           | 0.318%        |
| 34        | 7.988       | 1123          | 1132        | 1141         | rVB2     | 52691          | 121492        | 4.62%           | 0.450%        |
| 35        | 8.110       | 1144          | 1152        | 1155         | rBV      | 159262         | 309257        | 11.76%          | 1.145%        |
| 36        | 8.147       | 1156          | 1158        | 1163         | rVV      | 104112         | 137937        | 5.24%           | 0.511%        |

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 ClientSampleId :  
 MW-19R

Integration Parameters: RTEINT.P

Integrator: RTE

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Filtering: 5

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Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072522W.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 37 | 8.318  | 1180 | 1186 | 1192 | rBV5 | 19060   | 45998   | 1.75%   | 0.170% |
| 38 | 8.427  | 1199 | 1204 | 1211 | rVB  | 28378   | 47547   | 1.81%   | 0.176% |
| 39 | 8.507  | 1211 | 1217 | 1224 | rVB3 | 77677   | 147804  | 5.62%   | 0.547% |
| 40 | 8.653  | 1235 | 1241 | 1249 | rVB  | 804339  | 1264954 | 48.08%  | 4.682% |
| 41 | 8.842  | 1265 | 1272 | 1278 | rBV4 | 16065   | 39499   | 1.50%   | 0.146% |
| 42 | 8.927  | 1281 | 1286 | 1288 | rVV2 | 42212   | 66351   | 2.52%   | 0.246% |
| 43 | 8.964  | 1288 | 1292 | 1300 | rVV3 | 92021   | 190042  | 7.22%   | 0.703% |
| 44 | 9.049  | 1300 | 1306 | 1312 | rVV  | 80692   | 143732  | 5.46%   | 0.532% |
| 45 | 9.104  | 1312 | 1315 | 1320 | rVV  | 41718   | 64608   | 2.46%   | 0.239% |
| 46 | 9.165  | 1320 | 1325 | 1336 | rVB  | 105317  | 170382  | 6.48%   | 0.631% |
| 47 | 9.433  | 1364 | 1369 | 1371 | rBV  | 27585   | 43886   | 1.67%   | 0.162% |
| 48 | 9.464  | 1371 | 1374 | 1377 | rVV3 | 38102   | 58646   | 2.23%   | 0.217% |
| 49 | 9.506  | 1377 | 1381 | 1387 | rVB4 | 32336   | 62555   | 2.38%   | 0.232% |
| 50 | 9.604  | 1394 | 1397 | 1402 | rVB  | 23902   | 31666   | 1.20%   | 0.117% |
| 51 | 9.768  | 1417 | 1424 | 1431 | rBV4 | 27536   | 50678   | 1.93%   | 0.188% |
| 52 | 10.055 | 1466 | 1471 | 1476 | rBV  | 584637  | 767545  | 29.18%  | 2.841% |
| 53 | 10.134 | 1481 | 1484 | 1492 | rVB4 | 29548   | 72492   | 2.76%   | 0.268% |
| 54 | 10.305 | 1505 | 1512 | 1517 | rVB2 | 47948   | 95725   | 3.64%   | 0.354% |
| 55 | 10.585 | 1548 | 1558 | 1565 | rBV5 | 13669   | 37313   | 1.42%   | 0.138% |
| 56 | 10.963 | 1615 | 1620 | 1627 | rBV  | 320673  | 409632  | 15.57%  | 1.516% |
| 57 | 11.085 | 1635 | 1640 | 1645 | rBV  | 613613  | 760526  | 28.91%  | 2.815% |
| 58 | 11.305 | 1672 | 1676 | 1684 | rVB  | 230164  | 297808  | 11.32%  | 1.102% |
| 59 | 11.616 | 1722 | 1727 | 1736 | rVB  | 141671  | 179769  | 6.83%   | 0.665% |
| 60 | 11.866 | 1763 | 1768 | 1770 | rBV  | 83780   | 105851  | 4.02%   | 0.392% |
| 61 | 11.890 | 1770 | 1772 | 1778 | rVB  | 93157   | 113093  | 4.30%   | 0.419% |
| 62 | 12.024 | 1789 | 1794 | 1801 | rVB  | 783724  | 950460  | 36.13%  | 3.518% |
| 63 | 12.177 | 1815 | 1819 | 1824 | rBV  | 47208   | 59950   | 2.28%   | 0.222% |
| 64 | 12.244 | 1825 | 1830 | 1838 | rVV2 | 2065801 | 2630719 | 100.00% | 9.738% |
| 65 | 12.317 | 1838 | 1842 | 1850 | rVB2 | 113446  | 165043  | 6.27%   | 0.611% |
| 66 | 12.408 | 1850 | 1857 | 1862 | rBV  | 222115  | 276663  | 10.52%  | 1.024% |
| 67 | 12.463 | 1862 | 1866 | 1873 | rVB  | 96773   | 124542  | 4.73%   | 0.461% |
| 68 | 12.616 | 1883 | 1891 | 1894 | rBV  | 1427786 | 1704155 | 64.78%  | 6.308% |
| 69 | 12.646 | 1894 | 1896 | 1900 | rVV  | 221178  | 246743  | 9.38%   | 0.913% |
| 70 | 12.701 | 1900 | 1905 | 1912 | rVV  | 958920  | 1247720 | 47.43%  | 4.619% |
| 71 | 12.762 | 1912 | 1915 | 1922 | rVB2 | 31835   | 39034   | 1.48%   | 0.144% |
| 72 | 12.841 | 1922 | 1928 | 1933 | rVB  | 66215   | 91891   | 3.49%   | 0.340% |
| 73 | 12.926 | 1933 | 1942 | 1946 | rBV  | 1532900 | 1885599 | 71.68%  | 6.980% |
| 74 | 12.963 | 1946 | 1948 | 1954 | rVB2 | 52948   | 67929   | 2.58%   | 0.251% |
| 75 | 13.036 | 1954 | 1960 | 1966 | rVB3 | 78542   | 121489  | 4.62%   | 0.450% |
| 76 | 13.097 | 1966 | 1970 | 1973 | rBV  | 22077   | 33940   | 1.29%   | 0.126% |

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Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-19R

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\82X072522W.M  
 Title : SW846 8260

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 77  | 13.140 | 1973 | 1977 | 1979 | rVV2 | 128582  | 163043  | 6.20%  | 0.604% |
| 78  | 13.170 | 1979 | 1982 | 1991 | rVB  | 493782  | 627961  | 23.87% | 2.324% |
| 79  | 13.262 | 1991 | 1997 | 1998 | rBV2 | 84341   | 98260   | 3.74%  | 0.364% |
| 80  | 13.292 | 1998 | 2002 | 2008 | rVV2 | 1392307 | 1870646 | 71.11% | 6.924% |
| 81  | 13.347 | 2008 | 2011 | 2013 | rVV2 | 62016   | 87165   | 3.31%  | 0.323% |
| 82  | 13.371 | 2013 | 2015 | 2020 | rVV  | 78778   | 97522   | 3.71%  | 0.361% |
| 83  | 13.426 | 2020 | 2024 | 2029 | rVB  | 114478  | 147652  | 5.61%  | 0.547% |
| 84  | 13.506 | 2029 | 2037 | 2040 | rBV3 | 55322   | 89793   | 3.41%  | 0.332% |
| 85  | 13.548 | 2040 | 2044 | 2046 | rVV  | 187130  | 258578  | 9.83%  | 0.957% |
| 86  | 13.585 | 2046 | 2050 | 2054 | rVV3 | 275216  | 419678  | 15.95% | 1.553% |
| 87  | 13.646 | 2054 | 2060 | 2061 | rVV2 | 167510  | 269577  | 10.25% | 0.998% |
| 88  | 13.664 | 2061 | 2063 | 2074 | rVB2 | 219721  | 336121  | 12.78% | 1.244% |
| 89  | 13.798 | 2074 | 2085 | 2090 | rBV3 | 38659   | 107297  | 4.08%  | 0.397% |
| 90  | 13.853 | 2090 | 2094 | 2099 | rVB2 | 35524   | 47430   | 1.80%  | 0.176% |
| 91  | 13.926 | 2099 | 2106 | 2110 | rBV3 | 94688   | 142709  | 5.42%  | 0.528% |
| 92  | 13.969 | 2110 | 2113 | 2118 | rVB  | 70071   | 89255   | 3.39%  | 0.330% |
| 93  | 14.079 | 2126 | 2131 | 2137 | rBV  | 120827  | 154858  | 5.89%  | 0.573% |
| 94  | 14.219 | 2148 | 2154 | 2164 | rBV  | 100344  | 183133  | 6.96%  | 0.678% |
| 95  | 14.323 | 2166 | 2171 | 2176 | rVV  | 115513  | 167086  | 6.35%  | 0.618% |
| 96  | 14.371 | 2176 | 2179 | 2184 | rVB  | 82728   | 115518  | 4.39%  | 0.428% |
| 97  | 14.481 | 2192 | 2197 | 2202 | rBV3 | 24920   | 40184   | 1.53%  | 0.149% |
| 98  | 14.603 | 2211 | 2217 | 2219 | rBV  | 40650   | 59291   | 2.25%  | 0.219% |
| 99  | 14.640 | 2219 | 2223 | 2229 | rVB  | 160129  | 199649  | 7.59%  | 0.739% |
| 100 | 14.780 | 2241 | 2246 | 2256 | rBV  | 321637  | 418243  | 15.90% | 1.548% |

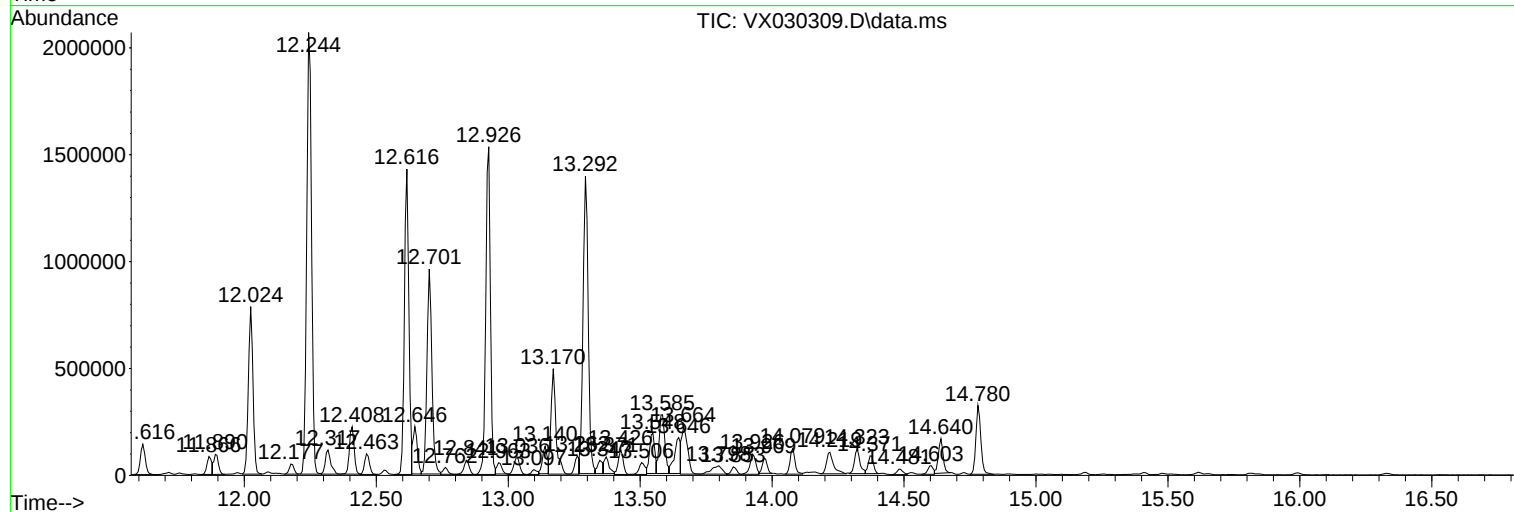
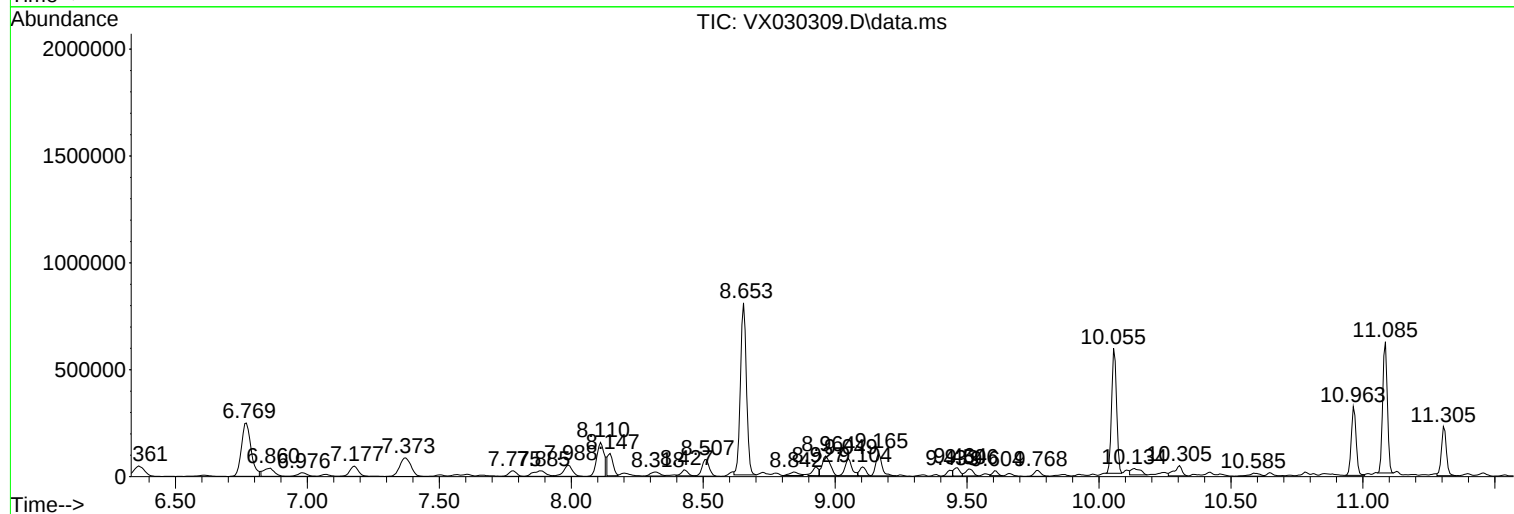
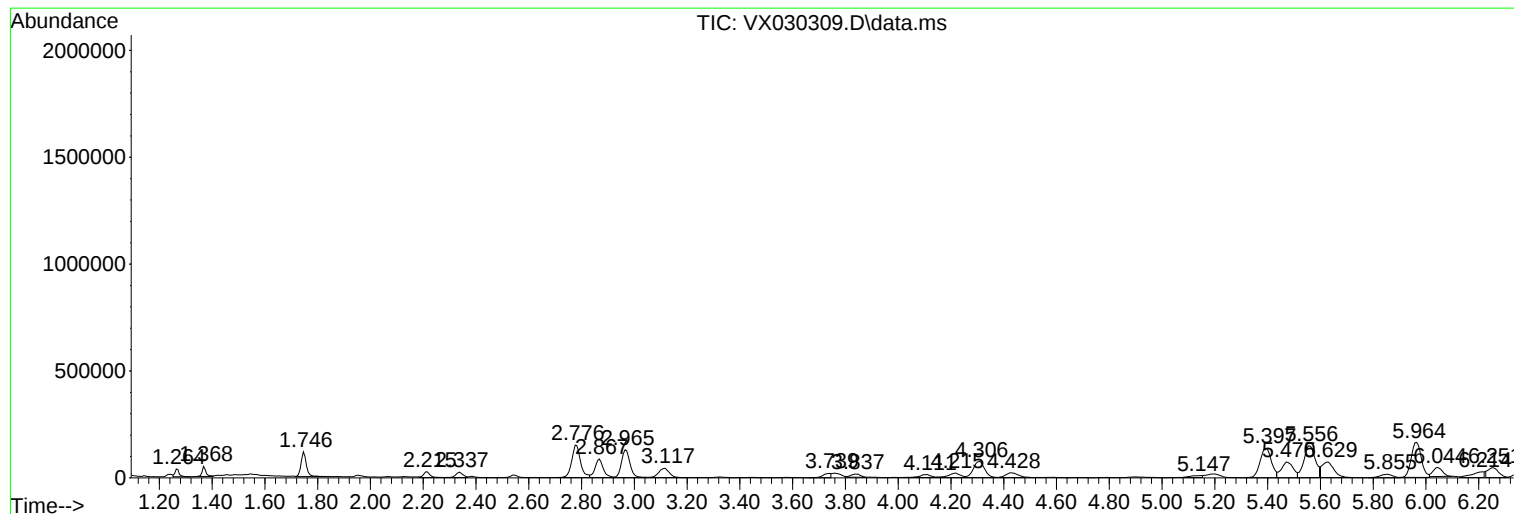
Sum of corrected areas: 27015658

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072522W.M  
Quant Title : SW846 8260

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



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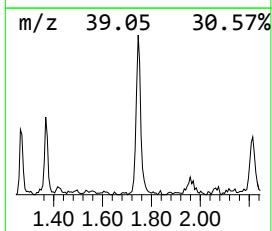
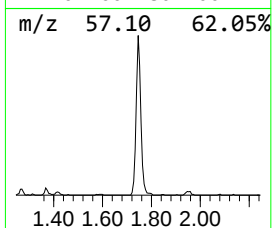
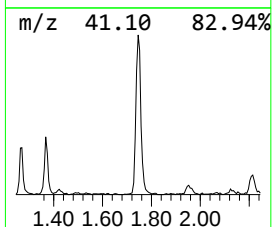
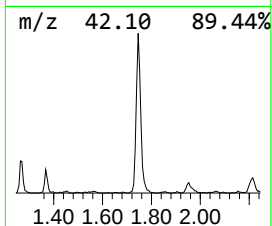
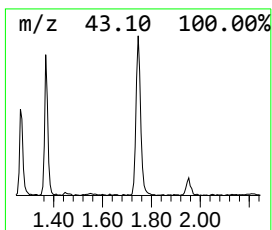
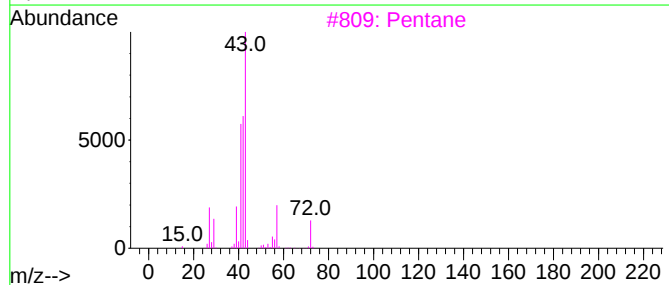
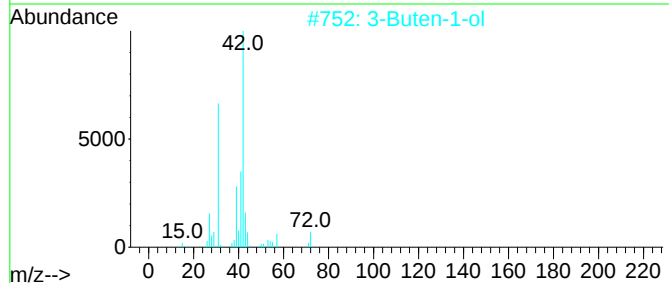
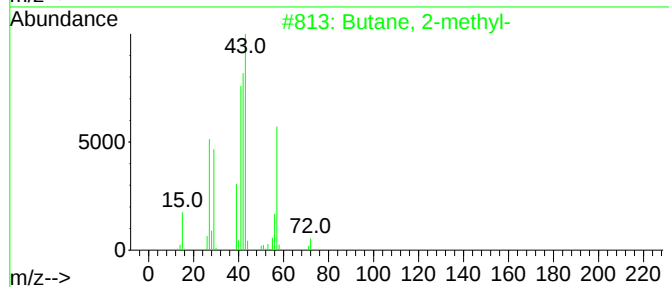
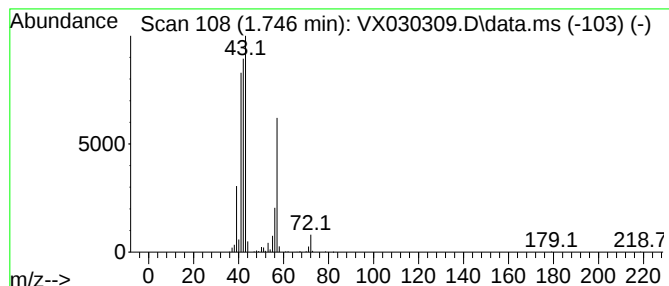
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072522W.M  
Quant Title : SW846 8260

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

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Peak Number 1 Butane, 2-methyl- Concentration Rank 14

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 1.746 | 17.69 ug/l | 161180 | Pentafluorobenzene | 5.556 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methyl-      | 72  | C5H12   | 000078-78-4 | 91   |
| 2    |    |   | 3-Buten-1-ol           | 72  | C4H8O   | 000627-27-0 | 47   |
| 3    |    |   | Pentane                | 72  | C5H12   | 000109-66-0 | 42   |
| 4    |    |   | 1-Pentene, 4-methyl-   | 84  | C6H12   | 000691-37-2 | 12   |
| 5    |    |   | 2-Pentanone, 3-methyl- | 100 | C6H12O  | 000565-61-7 | 10   |



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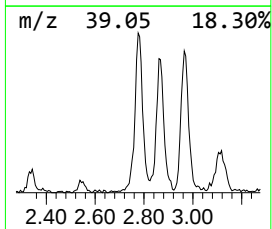
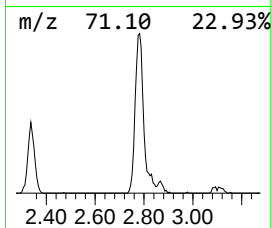
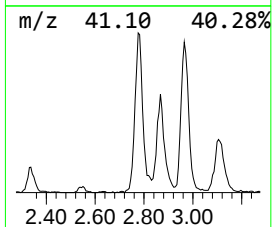
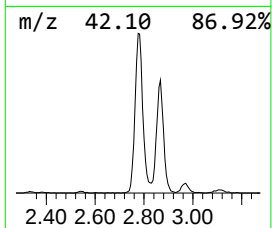
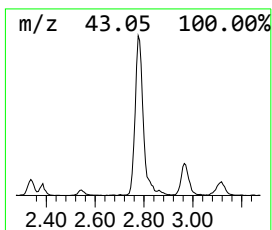
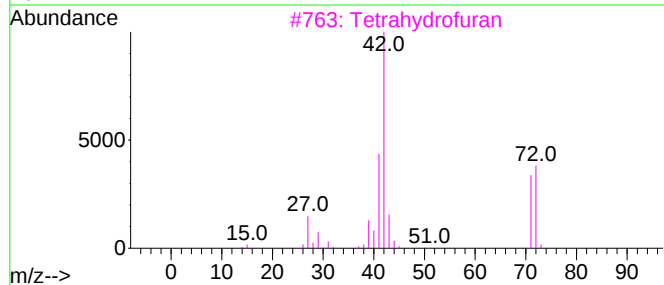
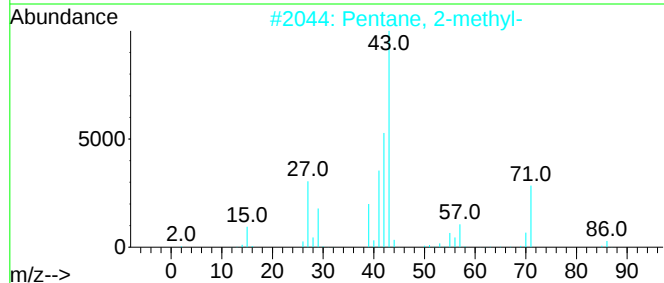
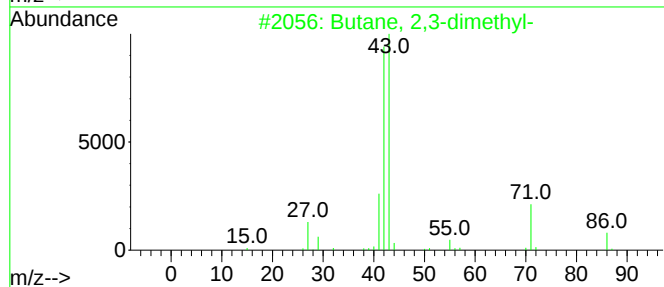
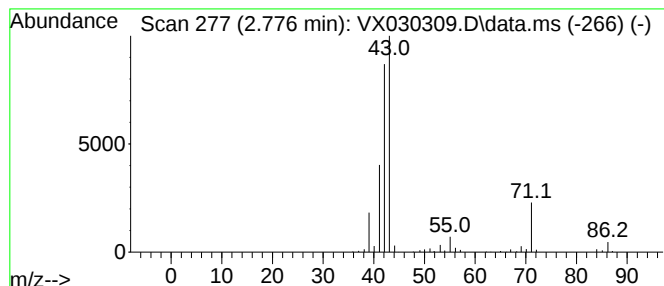
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072522W.M  
Quant Title : SW846 8260

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

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Peak Number 2 Butane, 2,3-dimethyl- Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 2.776 | 38.74 ug/l | 353002 | Pentafluorobenzene | 5.556 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2,3-dimethyl-         | 86  | C6H14   | 000079-29-8 | 86   |
| 2    |    |   | Pentane, 2-methyl-            | 86  | C6H14   | 000107-83-5 | 50   |
| 3    |    |   | Tetrahydrofuran               | 72  | C4H8O   | 000109-99-9 | 38   |
| 4    |    |   | Furan, tetrahydro-2-methyl-   | 86  | C5H10O  | 000096-47-9 | 9    |
| 5    |    |   | Propanoyl chloride, 2-methyl- | 106 | C4H7ClO | 000079-30-1 | 9    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072922\  
Data File : VX030309.D  
Acq On : 29 Jul 2022 17:43  
Operator : JC/MD  
Sample : N3861-12  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19R

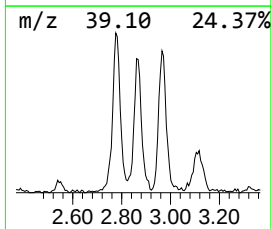
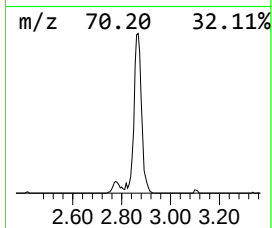
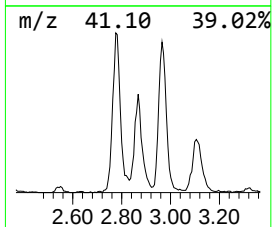
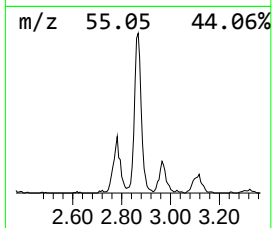
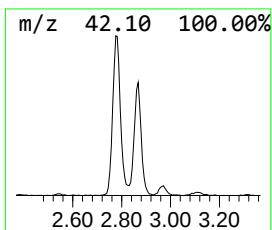
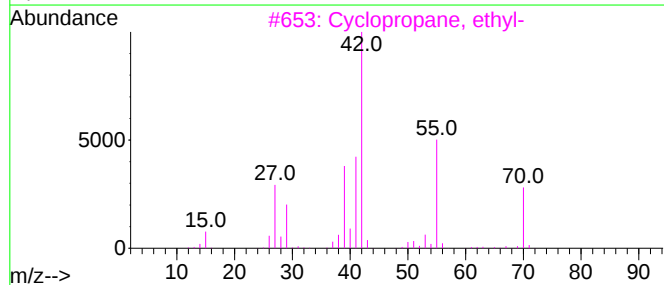
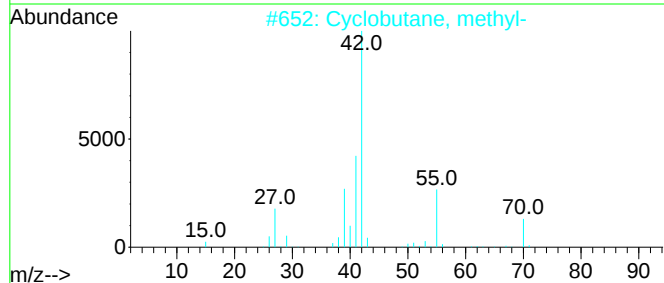
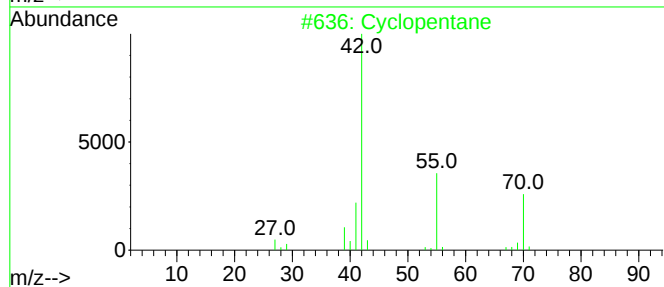
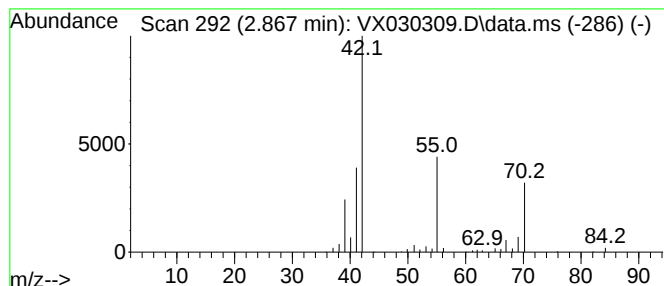
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Quant Title : SW846 8260

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

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Peak Number 3 Cyclopentane Concentration Rank 13

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 2.867 | 20.48 ug/l | 186561 | Pentafluorobenzene | 5.556 |

| Hit# | of | 5 | Tentative ID         | MW | MolForm | CAS#        | Qual |
|------|----|---|----------------------|----|---------|-------------|------|
| 1    |    |   | Cyclopentane         | 70 | C5H10   | 000287-92-3 | 72   |
| 2    |    |   | Cyclobutane, methyl- | 70 | C5H10   | 000598-61-8 | 59   |
| 3    |    |   | Cyclopropane, ethyl- | 70 | C5H10   | 001191-96-4 | 59   |
| 4    |    |   | 1-Pentene            | 70 | C5H10   | 000109-67-1 | 50   |
| 5    |    |   | Cyclobutanone        | 70 | C4H6O   | 001191-95-3 | 9    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072922\  
Data File : VX030309.D  
Acq On : 29 Jul 2022 17:43  
Operator : JC/MD  
Sample : N3861-12  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19R

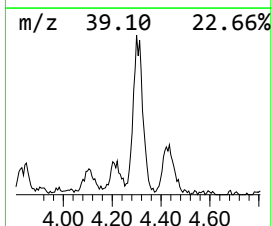
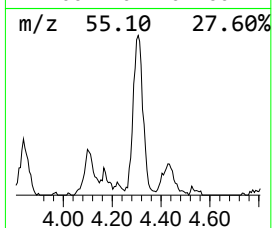
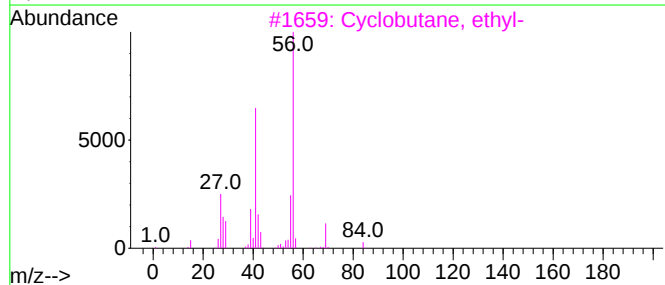
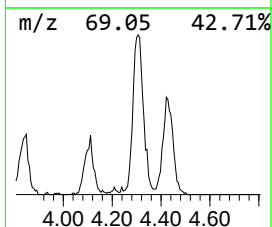
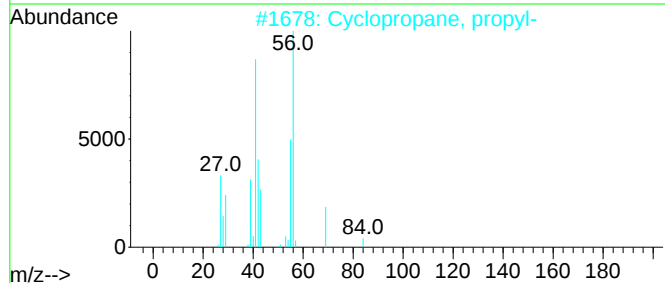
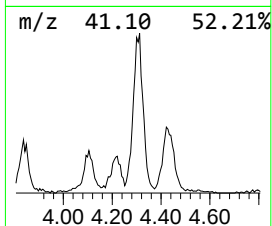
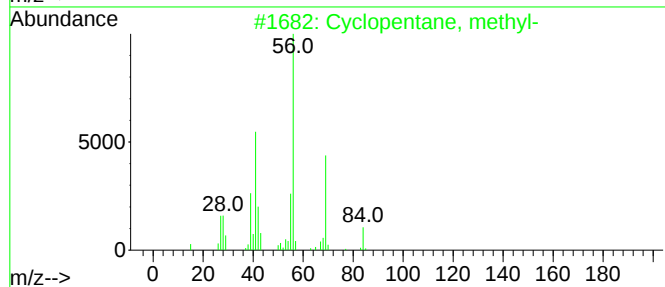
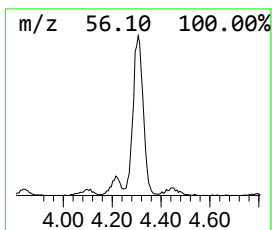
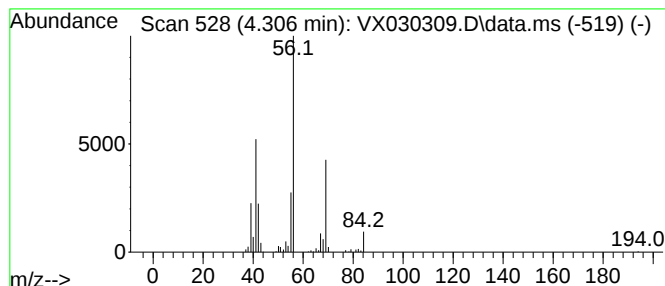
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Quant Title : SW846 8260

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

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Peak Number 4 Cyclopentane, methyl- Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 4.306 | 24.16 ug/l | 220106 | Pentafluorobenzene | 5.556 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclopentane, methyl-               | 84  | C6H12   | 000096-37-7 | 91   |
| 2    |    |   | Cyclopropane, propyl-               | 84  | C6H12   | 002415-72-7 | 64   |
| 3    |    |   | Cyclobutane, ethyl-                 | 84  | C6H12   | 004806-61-5 | 50   |
| 4    |    |   | 1H-Tetrazole, 5-methyl-             | 84  | C2H4N4  | 004076-36-2 | 50   |
| 5    |    |   | 2H-Pyran-2,6(3H)-dione, dihydro-... | 142 | C7H10O3 | 004160-82-1 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072922\  
Data File : VX030309.D  
Acq On : 29 Jul 2022 17:43  
Operator : JC/MD  
Sample : N3861-12  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19R

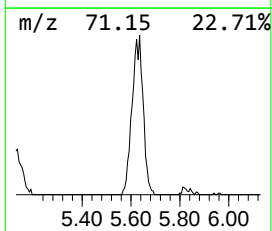
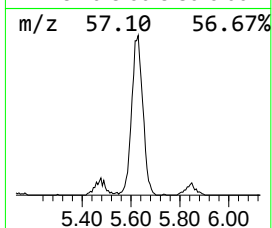
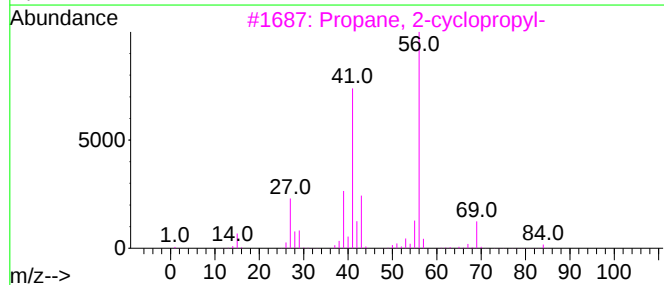
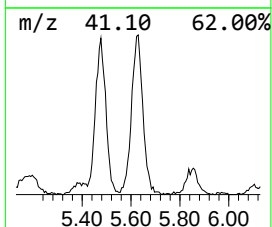
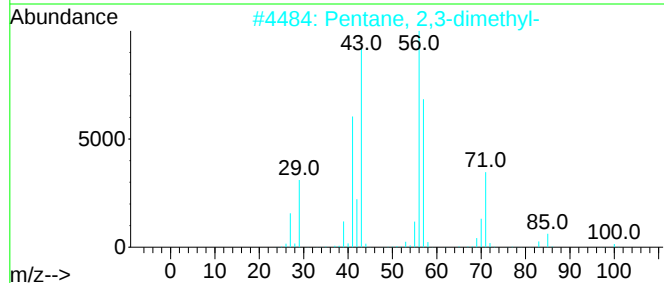
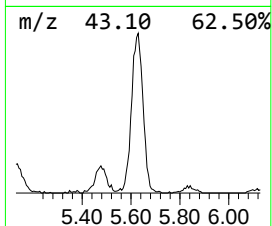
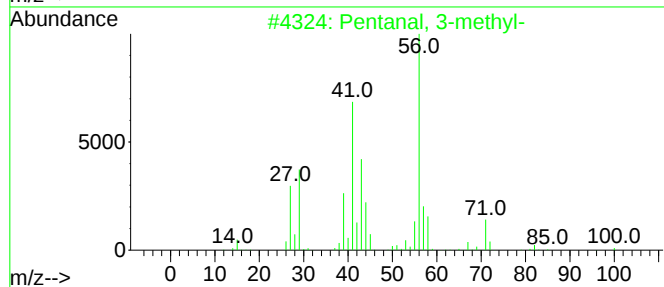
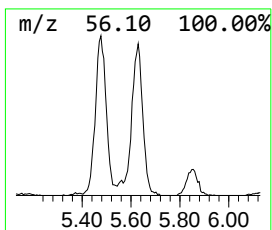
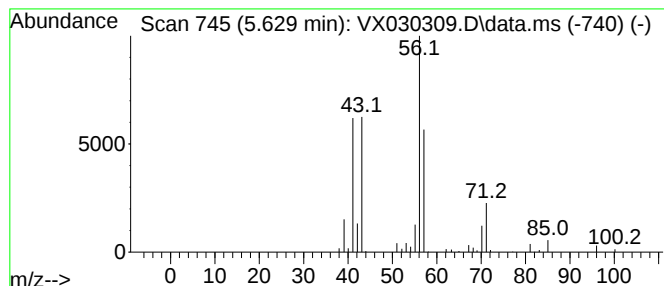
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Quant Title : SW846 8260

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

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Peak Number 5 Pentanal, 3-methyl- Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 5.629 | 24.35 ug/l | 221825 | Pentafluorobenzene | 5.556 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentanal, 3-methyl-           | 100 | C6H12O  | 015877-57-3 | 59   |
| 2    |    |   | Pentane, 2,3-dimethyl-        | 100 | C7H16   | 000565-59-3 | 52   |
| 3    |    |   | Propane, 2-cyclopropyl-       | 84  | C6H12   | 003638-35-5 | 40   |
| 4    |    |   | Hexane, 2,2,3-trimethyl-      | 128 | C9H20   | 016747-25-4 | 39   |
| 5    |    |   | Heptane, 2,2,3,5-tetramethyl- | 156 | C11H24  | 061868-42-6 | 39   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072922\  
Data File : VX030309.D  
Acq On : 29 Jul 2022 17:43  
Operator : JC/MD  
Sample : N3861-12  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19R

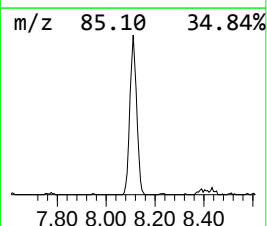
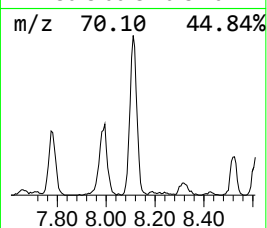
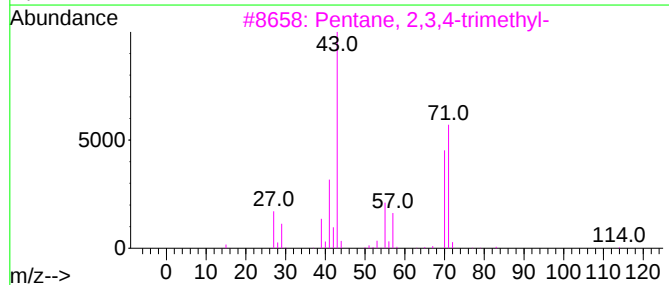
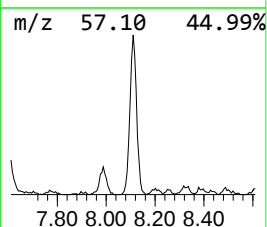
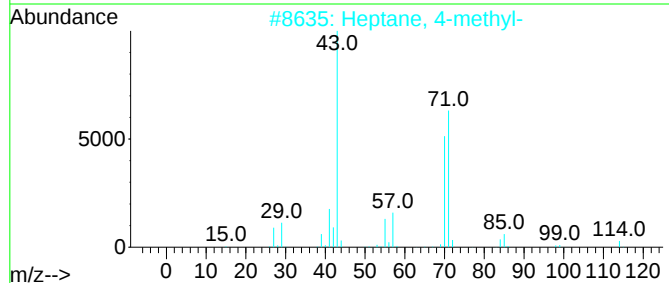
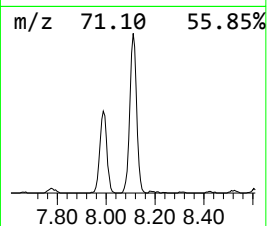
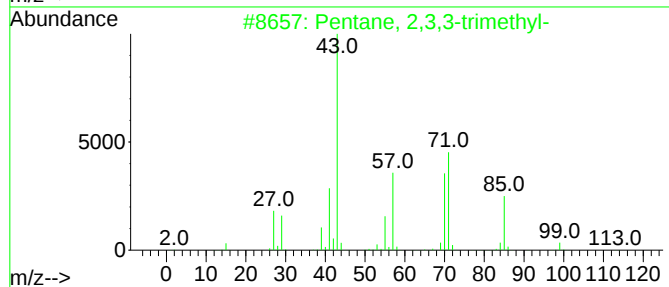
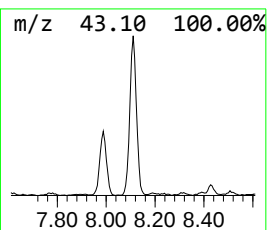
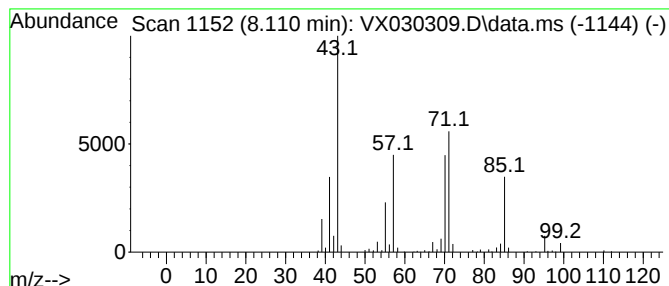
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Quant Title : SW846 8260

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

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Peak Number 6 Pentane, 2,3,3-trimethyl- Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 8.110 | 24.51 ug/l | 309257 | 1,4-Difluorobenzene | 6.763 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Pentane, 2,3,3-trimethyl-           | 114 | C8H18    | 000560-21-4 | 90   |
| 2    |    |   | Heptane, 4-methyl-                  | 114 | C8H18    | 000589-53-7 | 64   |
| 3    |    |   | Pentane, 2,3,4-trimethyl-           | 114 | C8H18    | 000565-75-3 | 64   |
| 4    |    |   | Hexane, 2,3,4-trimethyl-            | 128 | C9H20    | 000921-47-1 | 64   |
| 5    |    |   | Propanoic acid, 2-methyl-, 2-eth... | 200 | C12H24O2 | 035061-61-1 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072922\  
Data File : VX030309.D  
Acq On : 29 Jul 2022 17:43  
Operator : JC/MD  
Sample : N3861-12  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19R

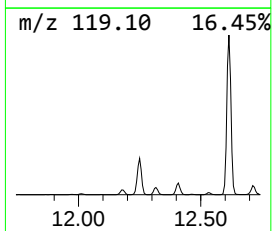
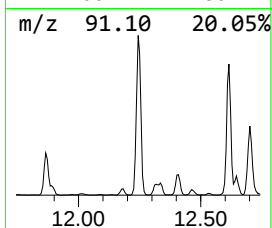
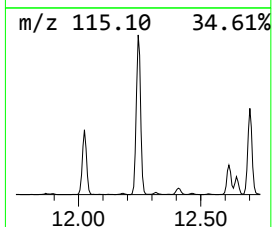
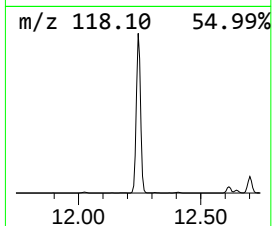
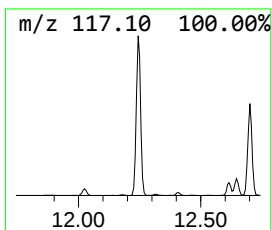
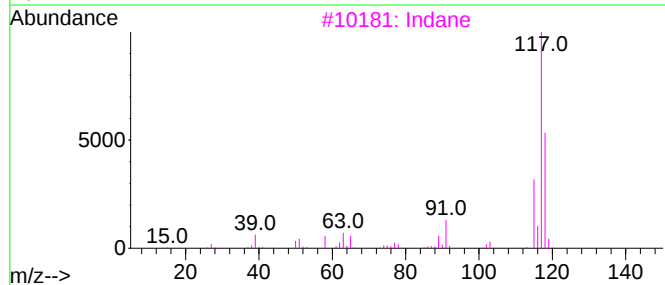
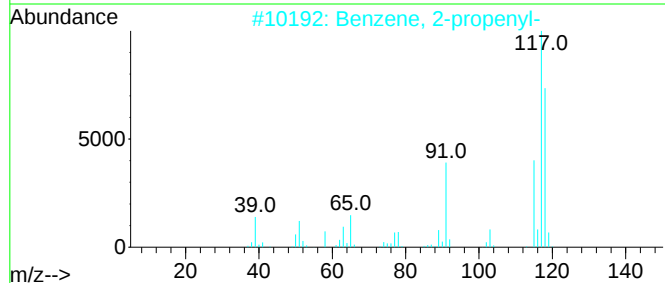
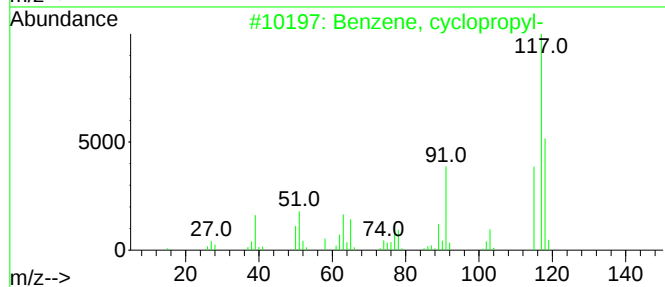
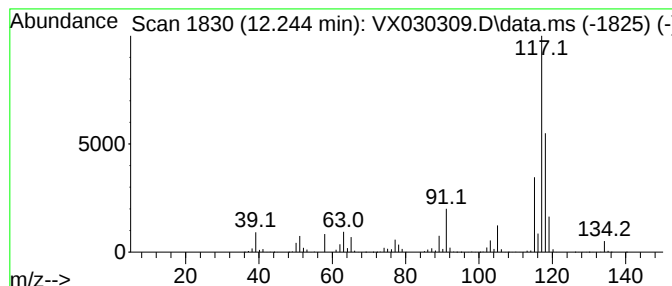
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Quant Title : SW846 8260

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

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Peak Number 7 Benzene, cyclopropyl- Concentration Rank 1

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 12.244 | 138.39 ug/l | 2630720 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, cyclopropyl-        | 118 | C9H10   | 000873-49-4 | 76   |
| 2    |    |   | Benzene, 2-propenyl-         | 118 | C9H10   | 000300-57-2 | 76   |
| 3    |    |   | Indane                       | 118 | C9H10   | 000496-11-7 | 76   |
| 4    |    |   | Benzene, 1-ethenyl-4-methyl- | 118 | C9H10   | 000622-97-9 | 55   |
| 5    |    |   | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10   | 000611-15-4 | 55   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072922\  
Data File : VX030309.D  
Acq On : 29 Jul 2022 17:43  
Operator : JC/MD  
Sample : N3861-12  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19R

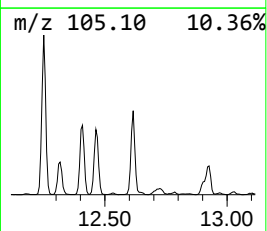
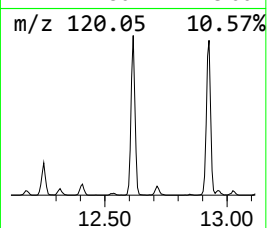
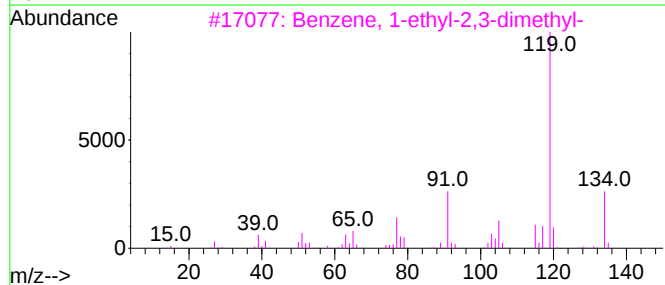
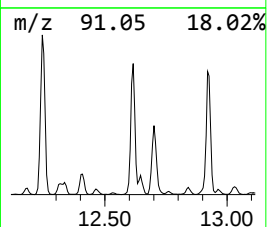
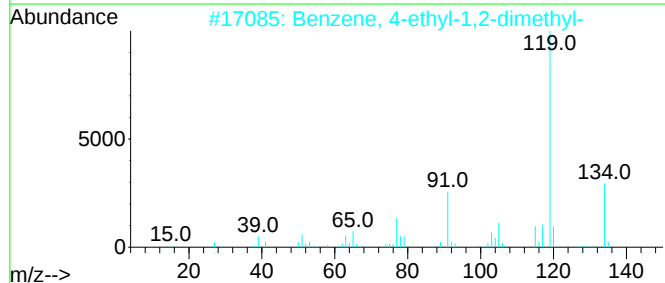
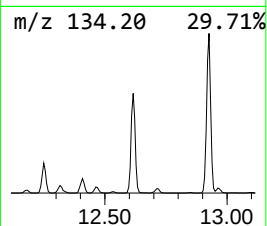
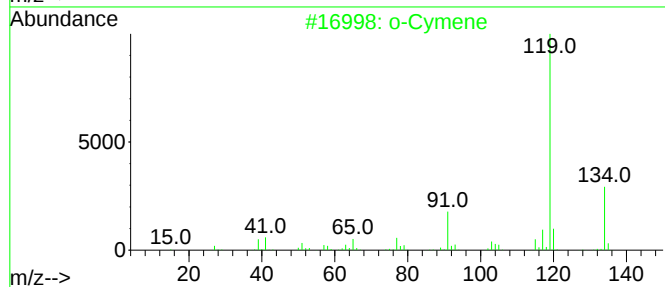
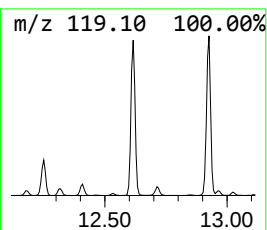
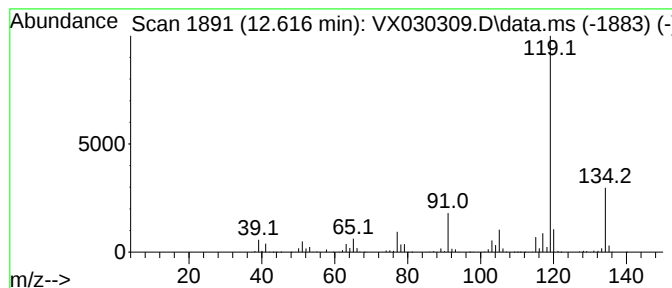
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Quant Title : SW846 8260

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

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Peak Number 8 o-Cymene Concentration Rank 4

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 12.616 | 89.65 ug/l | 1704160 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 95   |
| 2    |    |   | Benzene, 4-ethyl-1,2-dimethyl-      | 134 | C10H14  | 000934-80-5 | 95   |
| 3    |    |   | Benzene, 1-ethyl-2,3-dimethyl-      | 134 | C10H14  | 000933-98-2 | 95   |
| 4    |    |   | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 94   |
| 5    |    |   | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 94   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072922\  
Data File : VX030309.D  
Acq On : 29 Jul 2022 17:43  
Operator : JC/MD  
Sample : N3861-12  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19R

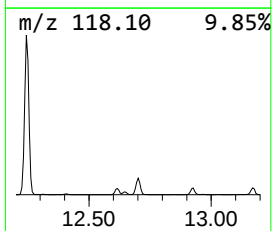
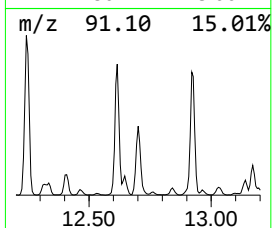
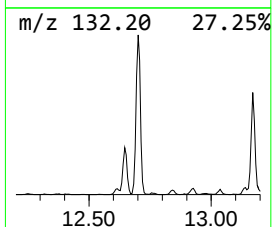
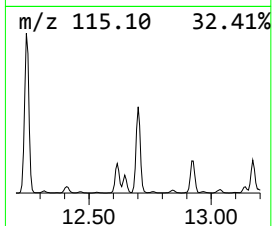
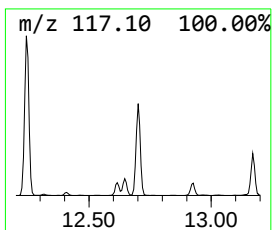
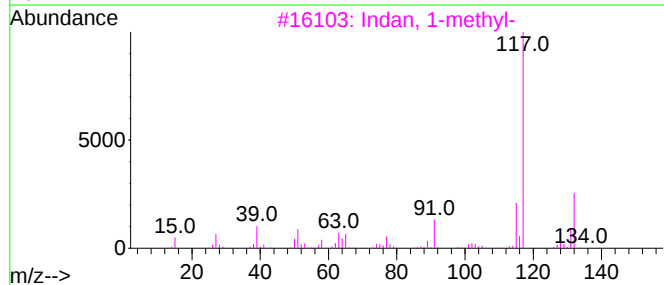
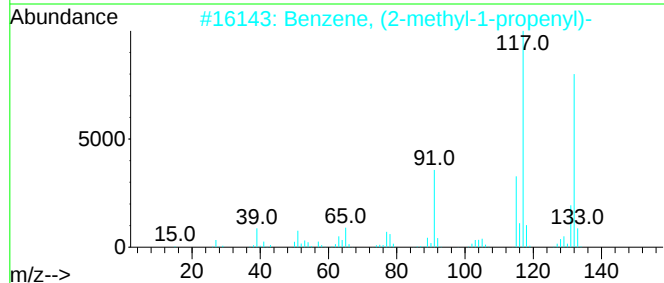
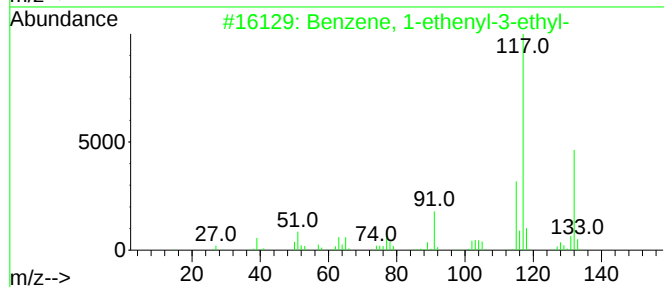
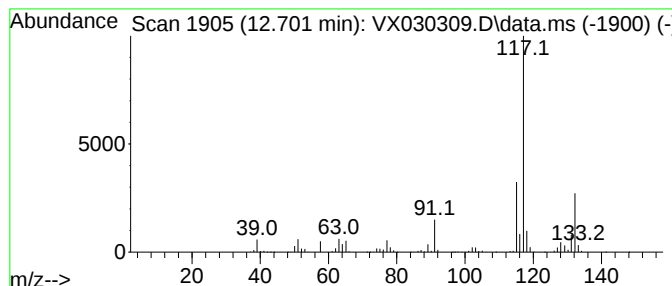
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 9 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 5

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 12.701 | 65.64 ug/l | 1247720 | 1,4-Dichlorobenzene-d4 | 12.024 |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072922\  
Data File : VX030309.D  
Acq On : 29 Jul 2022 17:43  
Operator : JC/MD  
Sample : N3861-12  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072522W.M  
Quant Title : SW846 8260

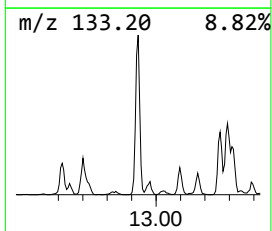
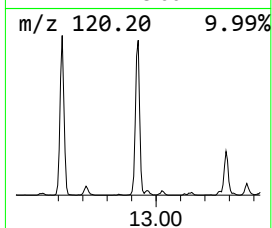
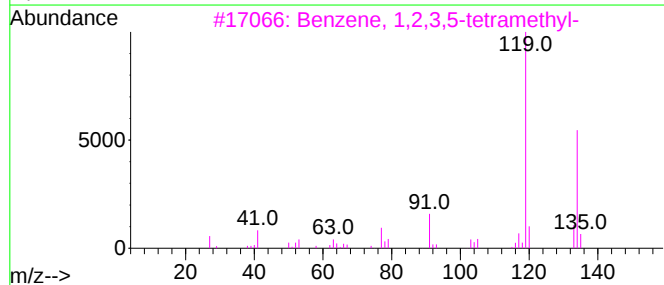
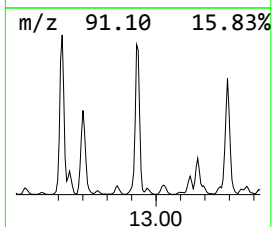
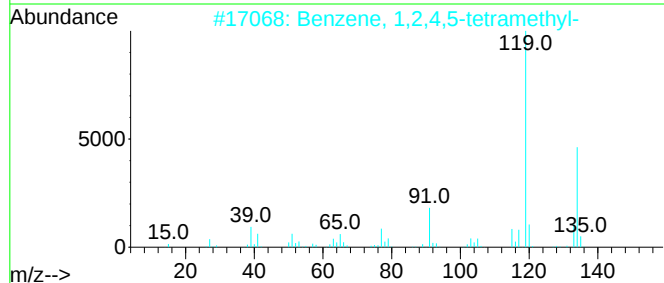
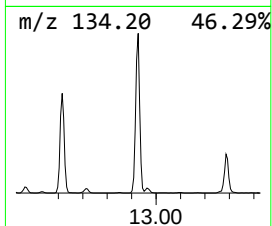
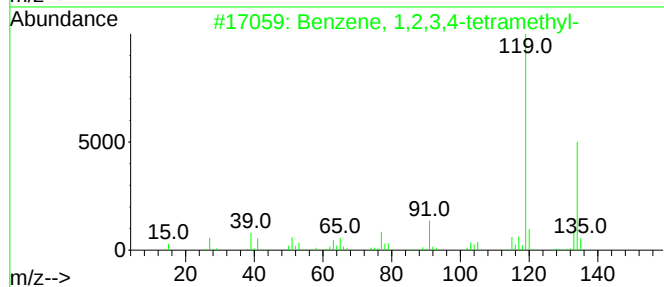
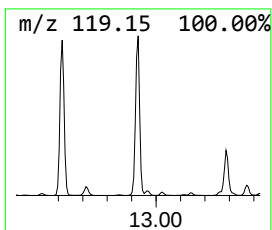
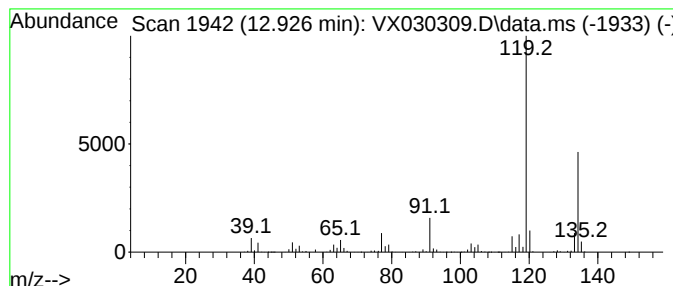
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 2

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 12.926 | 99.19 ug/l | 1885600 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 97   |
| 2    |    |   | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 97   |
| 3    |    |   | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 96   |
| 4    |    |   | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 95   |
| 5    |    |   | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 95   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072922\  
Data File : VX030309.D  
Acq On : 29 Jul 2022 17:43  
Operator : JC/MD  
Sample : N3861-12  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072522W.M  
Quant Title : SW846 8260

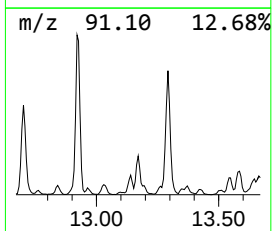
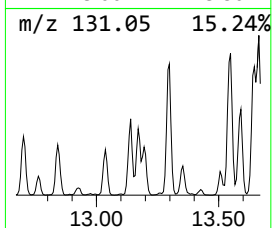
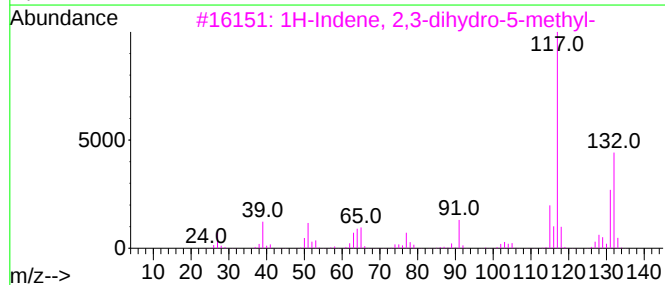
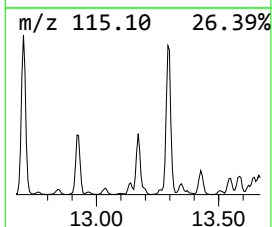
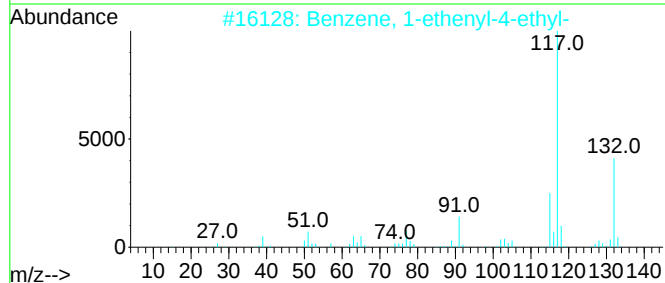
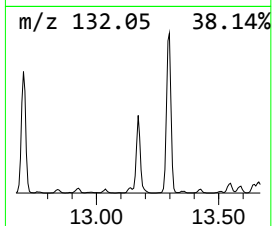
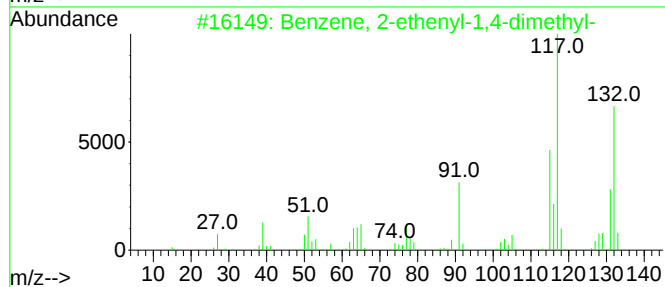
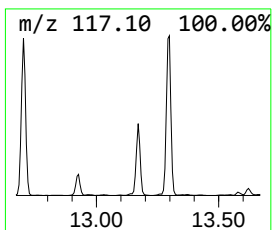
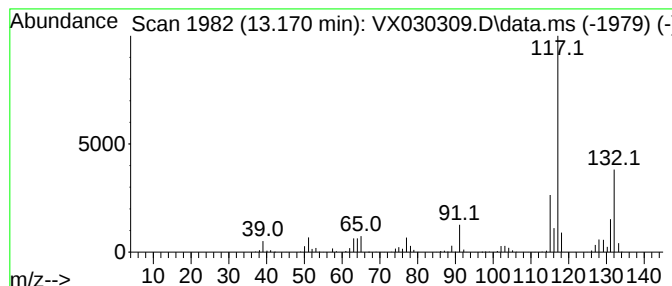
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.170 | 33.03 ug/l | 627961 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------------------|-----|---------|-------------|------|
| 1    |      | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 96   |
| 2    |      | Benzene, 1-ethenyl-4-ethyl-      | 132 | C10H12  | 003454-07-7 | 94   |
| 3    |      | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12  | 000874-35-1 | 93   |
| 4    |      | 1-Phenyl-1-butene                | 132 | C10H12  | 000824-90-8 | 90   |
| 5    |      | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072922\  
Data File : VX030309.D  
Acq On : 29 Jul 2022 17:43  
Operator : JC/MD  
Sample : N3861-12  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072522W.M  
Quant Title : SW846 8260

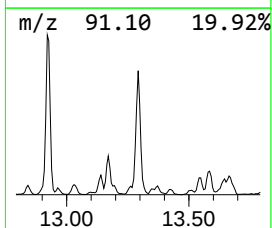
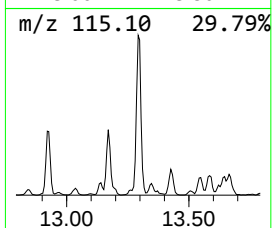
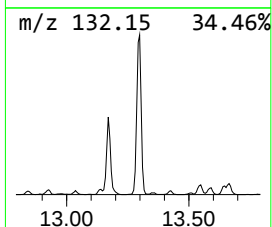
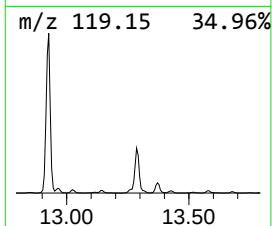
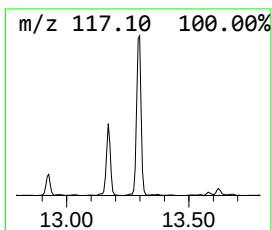
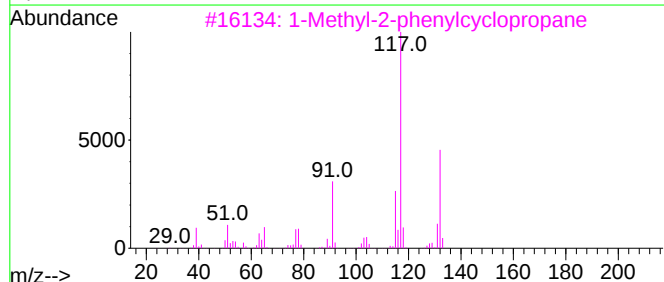
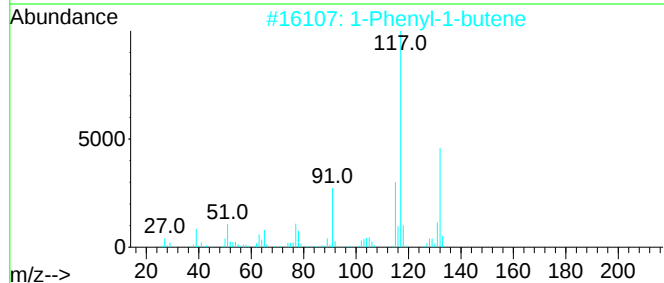
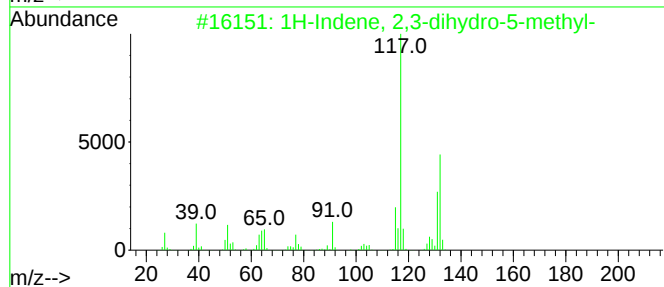
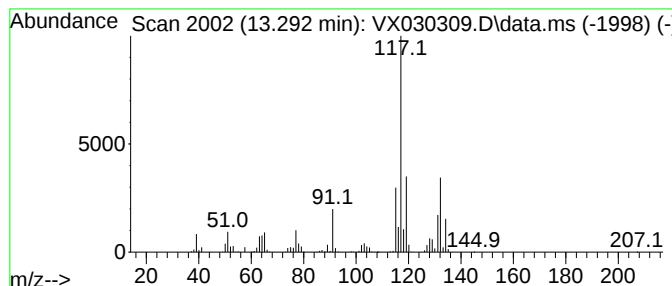
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 3

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 13.292 | 98.41 ug/l | 1870650 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------------------|-----|---------|-------------|------|
| 1    |      | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12  | 000874-35-1 | 93   |
| 2    |      | 1-Phenyl-1-butene                | 132 | C10H12  | 000824-90-8 | 90   |
| 3    |      | 1-Methyl-2-phenylcyclopropane    | 132 | C10H12  | 003145-76-4 | 81   |
| 4    |      | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 78   |
| 5    |      | Benzene, 1-ethenyl-4-ethyl-      | 132 | C10H12  | 003454-07-7 | 76   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072922\  
Data File : VX030309.D  
Acq On : 29 Jul 2022 17:43  
Operator : JC/MD  
Sample : N3861-12  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19R

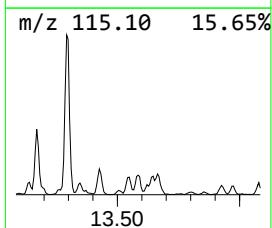
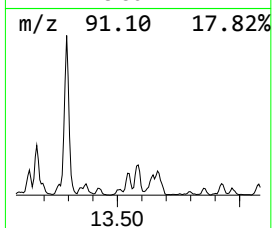
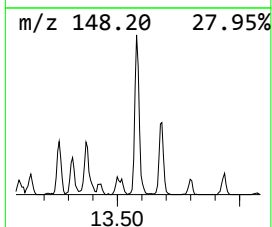
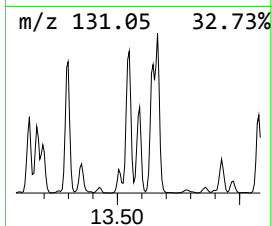
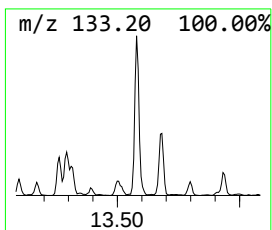
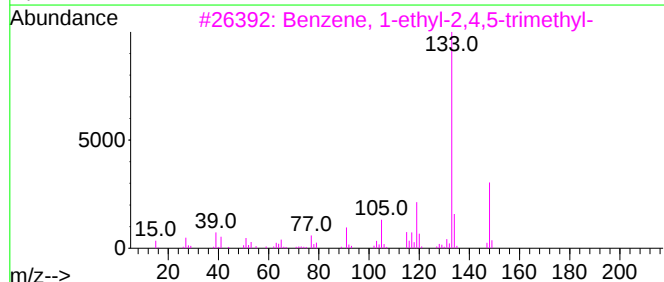
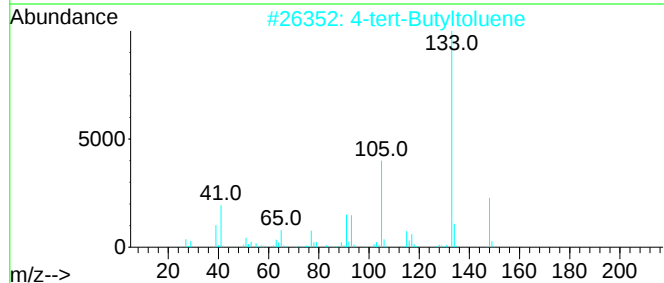
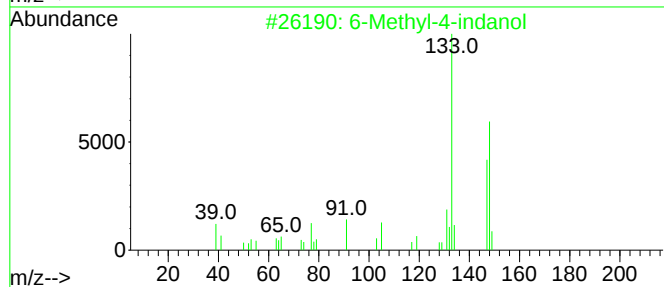
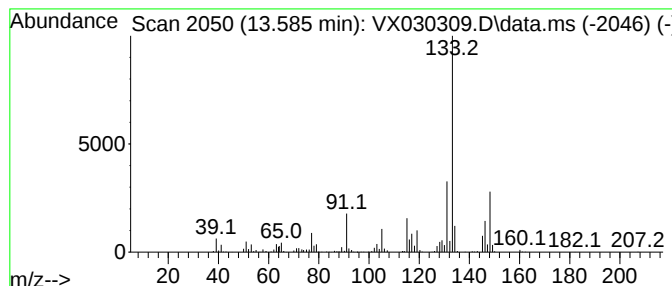
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Quant Title : SW846 8260

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

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Peak Number 13 6-Methyl-4-indanol Concentration Rank 11

| R.T.      | EstConc                             | Area   | Relative to ISTD       |         |             | R.T.   |
|-----------|-------------------------------------|--------|------------------------|---------|-------------|--------|
| 13.585    | 22.08 ug/l                          | 419678 | 1,4-Dichlorobenzene-d4 |         |             | 12.024 |
| Hit# of 5 | Tentative ID                        |        | MW                     | MolForm | CAS#        | Qual   |
| 1         | 6-Methyl-4-indanol                  |        | 148                    | C10H12O | 020294-32-0 | 80     |
| 2         | 4-tert-Butyltoluene                 |        | 148                    | C11H16  | 000098-51-1 | 64     |
| 3         | Benzene, 1-ethyl-2,4,5-trimethyl-   |        | 148                    | C11H16  | 017851-27-3 | 62     |
| 4         | Benzene, 1,3-dimethyl-5-(1-methy... |        | 148                    | C11H16  | 004706-90-5 | 58     |
| 5         | 2-tert-Butyltoluene                 |        | 148                    | C11H16  | 001074-92-6 | 58     |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072922\  
Data File : VX030309.D  
Acq On : 29 Jul 2022 17:43  
Operator : JC/MD  
Sample : N3861-12  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072522W.M  
Quant Title : SW846 8260

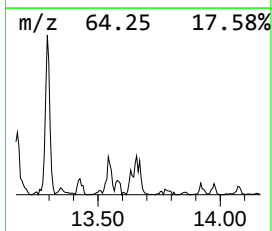
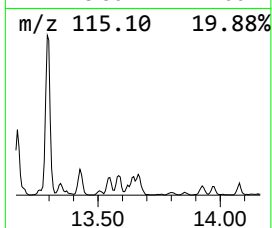
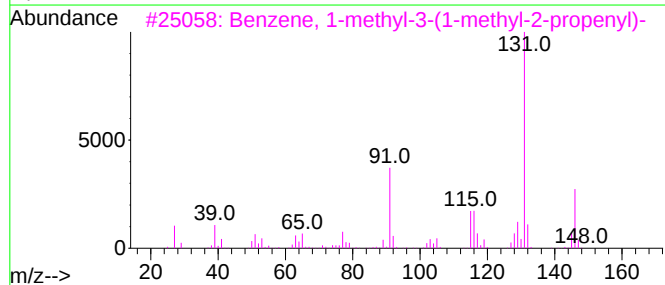
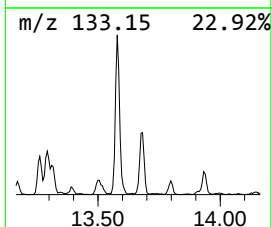
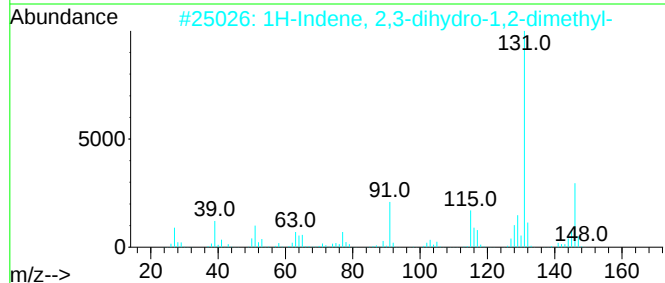
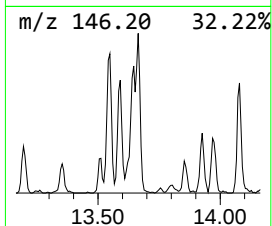
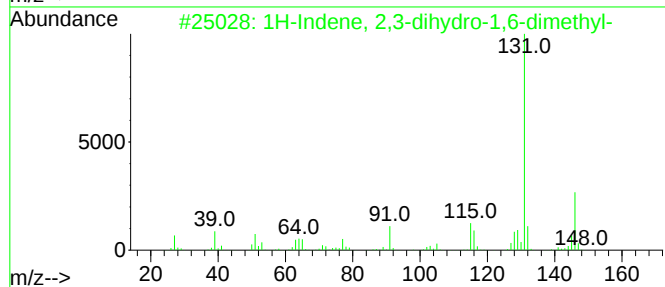
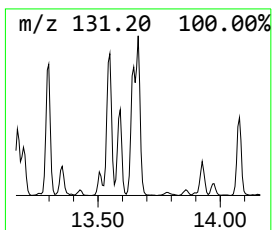
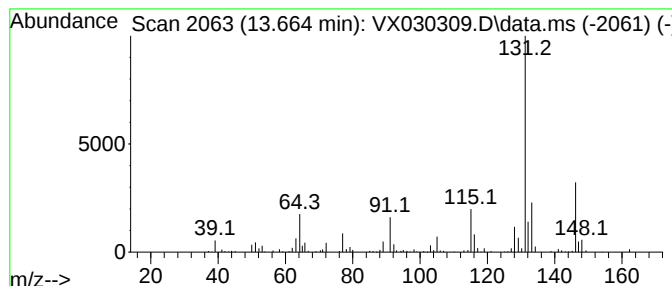
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 15

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.664 | 17.68 ug/l | 336121 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14       | 017059-48-2 | 64      |      |      |
| 2    | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14       | 017057-82-8 | 64      |      |      |
| 3    | Benzene, 1-methyl-3-(1-methyl-2-... | 146 | C11H14       | 052161-57-6 | 64      |      |      |
| 4    | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14       | 001559-81-5 | 64      |      |      |
| 5    | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14       | 006682-71-9 | 64      |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072922\  
Data File : VX030309.D  
Acq On : 29 Jul 2022 17:43  
Operator : JC/MD  
Sample : N3861-12  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072522W.M  
Quant Title : SW846 8260

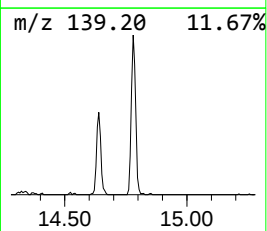
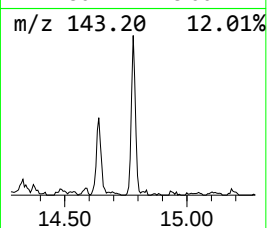
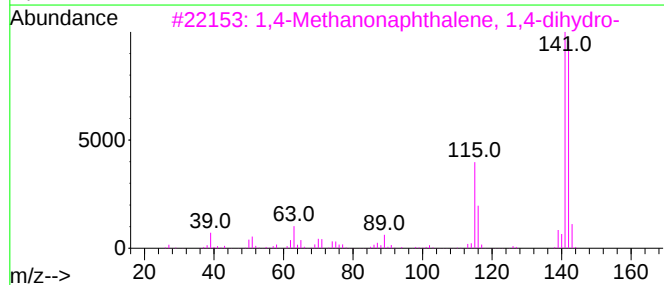
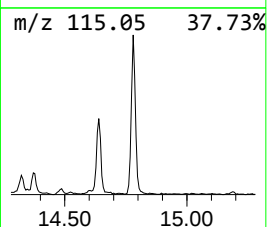
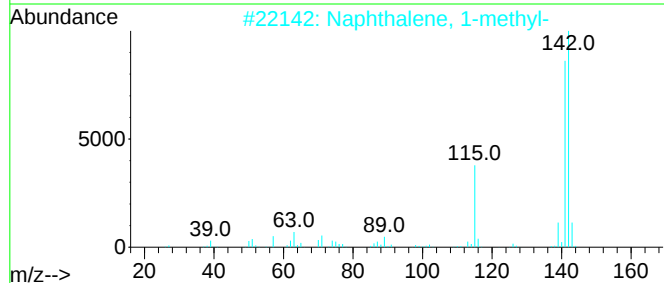
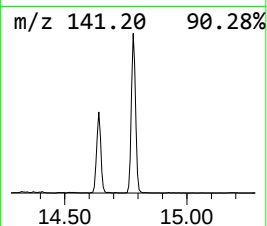
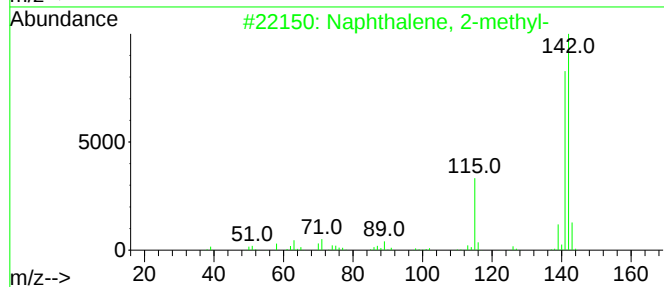
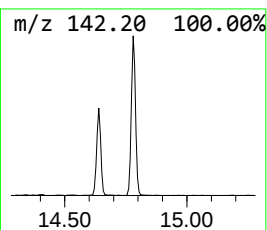
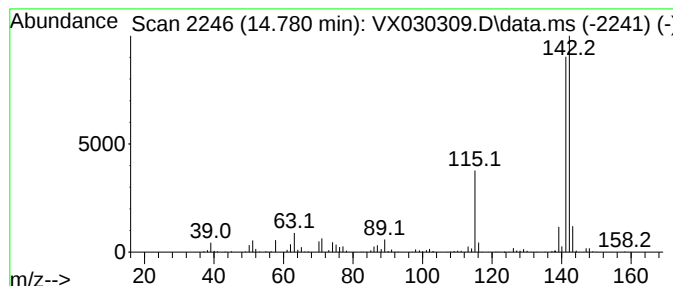
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 15 1,4-Methanonaphthalene, 1,4... Concentration Rank 12

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.780 | 22.00 ug/l | 418243 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 94   |
| 4    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 91   |
| 5    |    |   | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX072922\  
Data File : VX030309.D  
Acq On : 29 Jul 2022 17:43  
Operator : JC/MD  
Sample : N3861-12  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-19R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072522W.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-methyl-  | 1.746  | 17.7    | ug/l  | 161180   | 1                     | 5.556  | 455583 | 50.0 |
| Butane, 2,3-dim... | 2.776  | 38.7    | ug/l  | 353002   | 1                     | 5.556  | 455583 | 50.0 |
| Cyclopentane       | 2.867  | 20.5    | ug/l  | 186561   | 1                     | 5.556  | 455583 | 50.0 |
| Cyclopentane, m... | 4.306  | 24.2    | ug/l  | 220106   | 1                     | 5.556  | 455583 | 50.0 |
| Pentanal, 3-met... | 5.629  | 24.4    | ug/l  | 221825   | 1                     | 5.556  | 455583 | 50.0 |
| Pentane, 2,3,3-... | 8.110  | 24.5    | ug/l  | 309257   | 2                     | 6.763  | 630970 | 50.0 |
| Benzene, cyclop... | 12.244 | 138.4   | ug/l  | 2630720  | 4                     | 12.024 | 950460 | 50.0 |
| o-Cymene           | 12.616 | 89.7    | ug/l  | 1704160  | 4                     | 12.024 | 950460 | 50.0 |
| Benzene, 1-ethe... | 12.701 | 65.6    | ug/l  | 1247720  | 4                     | 12.024 | 950460 | 50.0 |
| Benzene, 1,2,3,... | 12.926 | 99.2    | ug/l  | 1885600  | 4                     | 12.024 | 950460 | 50.0 |
| Benzene, 2-ethe... | 13.170 | 33.0    | ug/l  | 627961   | 4                     | 12.024 | 950460 | 50.0 |
| 1H-Indene, 2,3-... | 13.292 | 98.4    | ug/l  | 1870650  | 4                     | 12.024 | 950460 | 50.0 |
| 6-Methyl-4-indanol | 13.585 | 22.1    | ug/l  | 419678   | 4                     | 12.024 | 950460 | 50.0 |
| 1H-Indene, 2,3-... | 13.664 | 17.7    | ug/l  | 336121   | 4                     | 12.024 | 950460 | 50.0 |
| 1,4-Methanonaph... | 14.780 | 22.0    | ug/l  | 418243   | 4                     | 12.024 | 950460 | 50.0 |