

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112322\  
 Data File : VX033041.D  
 Acq On : 24 Nov 2022 06:04  
 Operator : JC/MD  
 Sample : N5741-14  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-33

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\82X112222W.M  
 Title : SW846 8260

Signal : TIC: VX033041.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         | 1.246       | 22            | 26          | 45           | rBV      | 276869         | 401961        | 68.33%          | 4.377%        |
| 2         | 2.788       | 269           | 279         | 281          | rBV      | 14975          | 30590         | 5.20%           | 0.333%        |
| 3         | 2.831       | 281           | 286         | 296          | rVB      | 28819          | 60542         | 10.29%          | 0.659%        |
| 4         | 3.105       | 322           | 331         | 343          | rVB3     | 24682          | 56795         | 9.65%           | 0.618%        |
| 5         | 3.452       | 381           | 388         | 395          | rBV      | 7772           | 16989         | 2.89%           | 0.185%        |
| 6         | 4.221       | 501           | 514         | 521          | rBV3     | 8457           | 26319         | 4.47%           | 0.287%        |
| 7         | 4.306       | 521           | 528         | 537          | rVB3     | 6997           | 19097         | 3.25%           | 0.208%        |
| 8         | 5.385       | 694           | 705         | 717          | rBV      | 66543          | 196211        | 33.35%          | 2.136%        |
| 9         | 5.550       | 717           | 732         | 741          | rBV      | 139241         | 428785        | 72.89%          | 4.669%        |
| 10        | 5.830       | 768           | 778         | 789          | rBV3     | 16743          | 50623         | 8.61%           | 0.551%        |
| 11        | 5.958       | 789           | 799         | 812          | rBV      | 70750          | 188109        | 31.98%          | 2.048%        |
| 12        | 6.159       | 819           | 832         | 838          | rBV3     | 11292          | 36139         | 6.14%           | 0.393%        |
| 13        | 6.251       | 838           | 847         | 857          | rVV      | 58847          | 182348        | 31.00%          | 1.985%        |
| 14        | 6.360       | 857           | 865         | 875          | rVB3     | 8942           | 25664         | 4.36%           | 0.279%        |
| 15        | 6.610       | 897           | 906         | 913          | rBV4     | 5768           | 13967         | 2.37%           | 0.152%        |
| 16        | 6.763       | 922           | 931         | 940          | rVV      | 211884         | 500866        | 85.14%          | 5.453%        |
| 17        | 6.848       | 940           | 945         | 952          | rVB4     | 9283           | 23528         | 4.00%           | 0.256%        |
| 18        | 7.068       | 973           | 981         | 992          | rBV3     | 3126           | 7640          | 1.30%           | 0.083%        |
| 19        | 7.177       | 992           | 999         | 1006         | rBV4     | 4590           | 10288         | 1.75%           | 0.112%        |
| 20        | 7.379       | 1021          | 1032        | 1044         | rBV3     | 38220          | 101362        | 17.23%          | 1.104%        |
| 21        | 7.501       | 1044          | 1052        | 1057         | rVV3     | 7672           | 16205         | 2.75%           | 0.176%        |
| 22        | 7.562       | 1057          | 1062        | 1066         | rVV2     | 10115          | 20785         | 3.53%           | 0.226%        |
| 23        | 7.604       | 1067          | 1069        | 1073         | rVV      | 5982           | 9346          | 1.59%           | 0.102%        |
| 24        | 7.659       | 1073          | 1078        | 1086         | rVV      | 11140          | 22203         | 3.77%           | 0.242%        |
| 25        | 7.775       | 1090          | 1097        | 1105         | rBV4     | 5605           | 10679         | 1.82%           | 0.116%        |
| 26        | 7.982       | 1122          | 1131        | 1141         | rVB      | 53173          | 108310        | 18.41%          | 1.179%        |
| 27        | 8.110       | 1143          | 1152        | 1161         | rBV      | 79450          | 172084        | 29.25%          | 1.874%        |
| 28        | 8.189       | 1161          | 1165        | 1171         | rVV3     | 11855          | 22340         | 3.80%           | 0.243%        |
| 29        | 8.281       | 1174          | 1180        | 1182         | rVV2     | 4350           | 7448          | 1.27%           | 0.081%        |
| 30        | 8.311       | 1182          | 1185        | 1191         | rVB4     | 5189           | 8637          | 1.47%           | 0.094%        |
| 31        | 8.439       | 1201          | 1206        | 1210         | rVV2     | 6270           | 10797         | 1.84%           | 0.118%        |
| 32        | 8.513       | 1214          | 1218        | 1227         | rVB5     | 5329           | 12024         | 2.04%           | 0.131%        |
| 33        | 8.610       | 1227          | 1234        | 1235         | rBV4     | 13753          | 22738         | 3.87%           | 0.248%        |
| 34        | 8.647       | 1235          | 1240        | 1249         | rVB      | 331687         | 527720        | 89.70%          | 5.746%        |
| 35        | 8.817       | 1264          | 1268        | 1271         | rVV2     | 4152           | 6687          | 1.14%           | 0.073%        |
| 36        | 8.921       | 1277          | 1285        | 1288         | rBV2     | 8157           | 16905         | 2.87%           | 0.184%        |

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 MSVOA\_X  
 ClientSampleId :  
 MW-33

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\82X112222W.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |         |        |
|----|--------|------|------|------|------|--------|--------|---------|--------|
| 37 | 8.964  | 1288 | 1292 | 1301 | rVV8 | 6914   | 19531  | 3.32%   | 0.213% |
| 38 | 9.104  | 1310 | 1315 | 1320 | rVV  | 10243  | 17415  | 2.96%   | 0.190% |
| 39 | 9.159  | 1320 | 1324 | 1329 | rVV  | 12205  | 19556  | 3.32%   | 0.213% |
| 40 | 9.506  | 1376 | 1381 | 1386 | rVB4 | 6162   | 11911  | 2.02%   | 0.130% |
| 41 | 9.860  | 1429 | 1439 | 1443 | rBV9 | 2231   | 6754   | 1.15%   | 0.074% |
| 42 | 10.055 | 1465 | 1471 | 1479 | rBV  | 431671 | 580069 | 98.60%  | 6.316% |
| 43 | 10.128 | 1480 | 1483 | 1490 | rVV6 | 4287   | 9821   | 1.67%   | 0.107% |
| 44 | 10.195 | 1490 | 1494 | 1499 | rVB  | 5485   | 7552   | 1.28%   | 0.082% |
| 45 | 10.305 | 1503 | 1512 | 1517 | rVV  | 13408  | 24189  | 4.11%   | 0.263% |
| 46 | 10.640 | 1563 | 1567 | 1573 | rVB  | 18532  | 25534  | 4.34%   | 0.278% |
| 47 | 10.963 | 1614 | 1620 | 1624 | rBV  | 11101  | 14705  | 2.50%   | 0.160% |
| 48 | 11.079 | 1634 | 1639 | 1645 | rBV  | 283541 | 361774 | 61.50%  | 3.939% |
| 49 | 11.305 | 1666 | 1676 | 1683 | rBV  | 67806  | 84831  | 14.42%  | 0.924% |
| 50 | 11.378 | 1683 | 1688 | 1690 | rBV  | 196701 | 249499 | 42.41%  | 2.717% |
| 51 | 11.451 | 1696 | 1700 | 1709 | rVB  | 148220 | 177089 | 30.10%  | 1.928% |
| 52 | 11.616 | 1721 | 1727 | 1733 | rBV  | 69271  | 90073  | 15.31%  | 0.981% |
| 53 | 11.750 | 1744 | 1749 | 1756 | rVB  | 276173 | 338759 | 57.58%  | 3.688% |
| 54 | 11.866 | 1764 | 1768 | 1770 | rBV  | 15756  | 19897  | 3.38%   | 0.217% |
| 55 | 11.890 | 1770 | 1772 | 1778 | rVB  | 18448  | 20205  | 3.43%   | 0.220% |
| 56 | 11.969 | 1778 | 1785 | 1789 | rBV  | 35101  | 43952  | 7.47%   | 0.479% |
| 57 | 12.024 | 1789 | 1794 | 1798 | rVV  | 451366 | 588285 | 100.00% | 6.405% |
| 58 | 12.085 | 1801 | 1804 | 1811 | rVB  | 33766  | 44539  | 7.57%   | 0.485% |
| 59 | 12.250 | 1824 | 1831 | 1832 | rBV  | 102631 | 127407 | 21.66%  | 1.387% |
| 60 | 12.268 | 1832 | 1834 | 1838 | rVV  | 142774 | 156788 | 26.65%  | 1.707% |
| 61 | 12.317 | 1838 | 1842 | 1851 | rVV2 | 244521 | 357815 | 60.82%  | 3.896% |
| 62 | 12.402 | 1851 | 1856 | 1861 | rVV  | 16919  | 22470  | 3.82%   | 0.245% |
| 63 | 12.463 | 1861 | 1866 | 1872 | rVV  | 73248  | 90386  | 15.36%  | 0.984% |
| 64 | 12.530 | 1872 | 1877 | 1879 | rVV  | 137157 | 168061 | 28.57%  | 1.830% |
| 65 | 12.555 | 1879 | 1881 | 1886 | rVV  | 123218 | 133763 | 22.74%  | 1.456% |
| 66 | 12.615 | 1886 | 1891 | 1894 | rVV  | 222669 | 273592 | 46.51%  | 2.979% |
| 67 | 12.646 | 1894 | 1896 | 1900 | rVV  | 26318  | 30157  | 5.13%   | 0.328% |
| 68 | 12.701 | 1900 | 1905 | 1913 | rVV2 | 79649  | 151152 | 25.69%  | 1.646% |
| 69 | 12.798 | 1917 | 1921 | 1924 | rVV3 | 5427   | 8390   | 1.43%   | 0.091% |
| 70 | 12.847 | 1924 | 1929 | 1934 | rVB  | 55714  | 69607  | 11.83%  | 0.758% |
| 71 | 12.920 | 1934 | 1941 | 1944 | rBV  | 120981 | 146106 | 24.84%  | 1.591% |
| 72 | 12.963 | 1944 | 1948 | 1954 | rVV  | 182366 | 215101 | 36.56%  | 2.342% |
| 73 | 13.024 | 1954 | 1958 | 1960 | rVV  | 19073  | 26124  | 4.44%   | 0.284% |
| 74 | 13.042 | 1960 | 1961 | 1964 | rVV2 | 19201  | 21807  | 3.71%   | 0.237% |
| 75 | 13.067 | 1964 | 1965 | 1969 | rVV  | 12291  | 13619  | 2.32%   | 0.148% |
| 76 | 13.140 | 1970 | 1977 | 1978 | rVV3 | 11888  | 20962  | 3.56%   | 0.228% |

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Integrator: RTE

Smoothing : ON

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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\82X112222W.M  
 Title : SW846 8260

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 13.170 | 1978 | 1982 | 1986 | rVV  | 81639  | 111295 | 18.92% | 1.212% |
| 78  | 13.213 | 1986 | 1989 | 1992 | rVV  | 13363  | 16894  | 2.87%  | 0.184% |
| 79  | 13.256 | 1992 | 1996 | 1998 | rVV3 | 20418  | 30707  | 5.22%  | 0.334% |
| 80  | 13.292 | 1998 | 2002 | 2008 | rVV2 | 151681 | 223399 | 37.97% | 2.432% |
| 81  | 13.371 | 2012 | 2015 | 2019 | rVV  | 16202  | 20315  | 3.45%  | 0.221% |
| 82  | 13.420 | 2019 | 2023 | 2030 | rVB2 | 20788  | 27856  | 4.74%  | 0.303% |
| 83  | 13.506 | 2032 | 2037 | 2040 | rBV2 | 16926  | 24556  | 4.17%  | 0.267% |
| 84  | 13.542 | 2040 | 2043 | 2046 | rVV  | 37357  | 49087  | 8.34%  | 0.534% |
| 85  | 13.585 | 2046 | 2050 | 2055 | rVV3 | 42541  | 86164  | 14.65% | 0.938% |
| 86  | 13.640 | 2055 | 2059 | 2060 | rVV4 | 18200  | 24786  | 4.21%  | 0.270% |
| 87  | 13.664 | 2060 | 2063 | 2069 | rVB2 | 35441  | 56035  | 9.53%  | 0.610% |
| 88  | 13.853 | 2090 | 2094 | 2099 | rVB3 | 6200   | 9465   | 1.61%  | 0.103% |
| 89  | 13.926 | 2099 | 2106 | 2110 | rBV2 | 19026  | 28136  | 4.78%  | 0.306% |
| 90  | 13.969 | 2110 | 2113 | 2117 | rVB2 | 13716  | 16418  | 2.79%  | 0.179% |
| 91  | 14.073 | 2126 | 2130 | 2137 | rBV  | 26311  | 35043  | 5.96%  | 0.382% |
| 92  | 14.213 | 2149 | 2153 | 2163 | rBV2 | 24375  | 43666  | 7.42%  | 0.475% |
| 93  | 14.322 | 2166 | 2171 | 2175 | rVV  | 11681  | 15710  | 2.67%  | 0.171% |
| 94  | 14.371 | 2175 | 2179 | 2184 | rVB2 | 16465  | 21299  | 3.62%  | 0.232% |
| 95  | 14.481 | 2191 | 2197 | 2202 | rBV2 | 7778   | 10884  | 1.85%  | 0.119% |
| 96  | 14.639 | 2210 | 2223 | 2227 | rBV  | 59369  | 83205  | 14.14% | 0.906% |
| 97  | 14.780 | 2241 | 2246 | 2250 | rBV  | 36086  | 46048  | 7.83%  | 0.501% |
| 98  | 15.481 | 2356 | 2361 | 2371 | rVB2 | 9154   | 15227  | 2.59%  | 0.166% |
| 99  | 15.615 | 2375 | 2383 | 2386 | rBV  | 12160  | 18131  | 3.08%  | 0.197% |
| 100 | 15.652 | 2386 | 2389 | 2395 | rVB2 | 5939   | 8210   | 1.40%  | 0.089% |

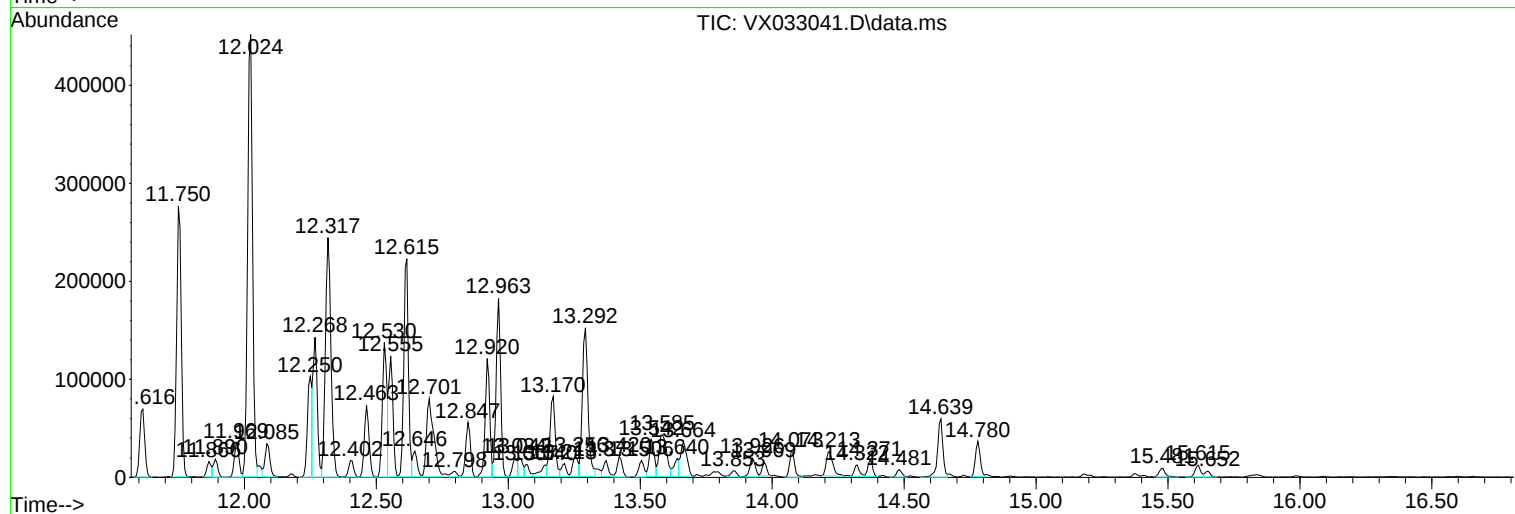
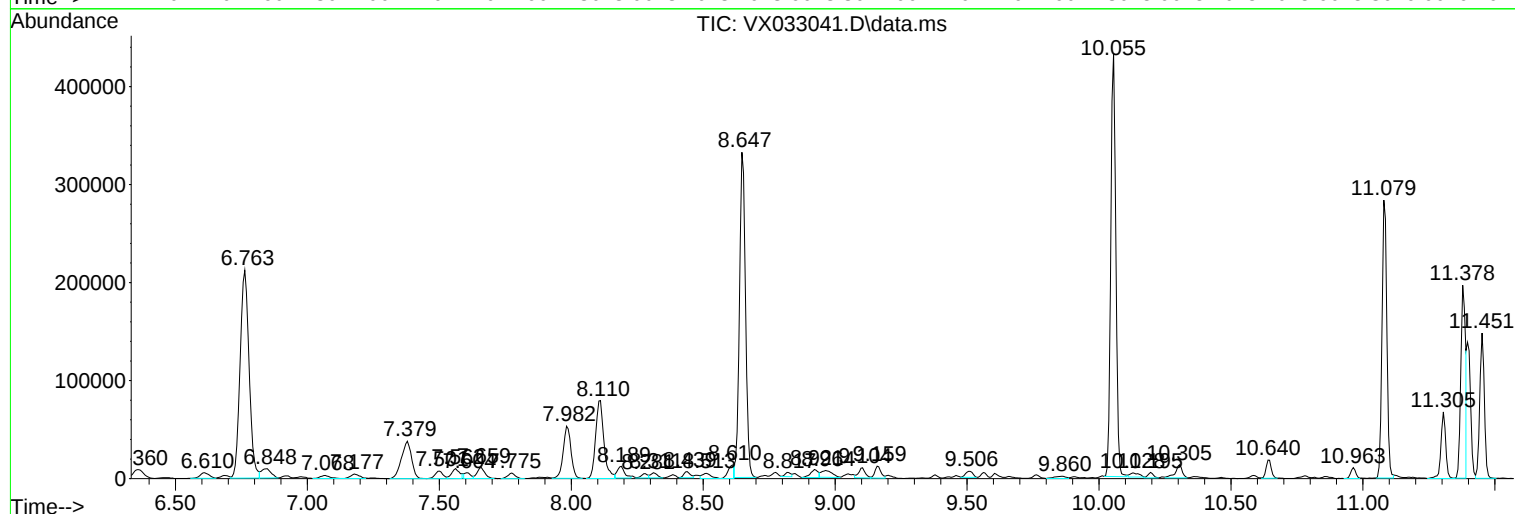
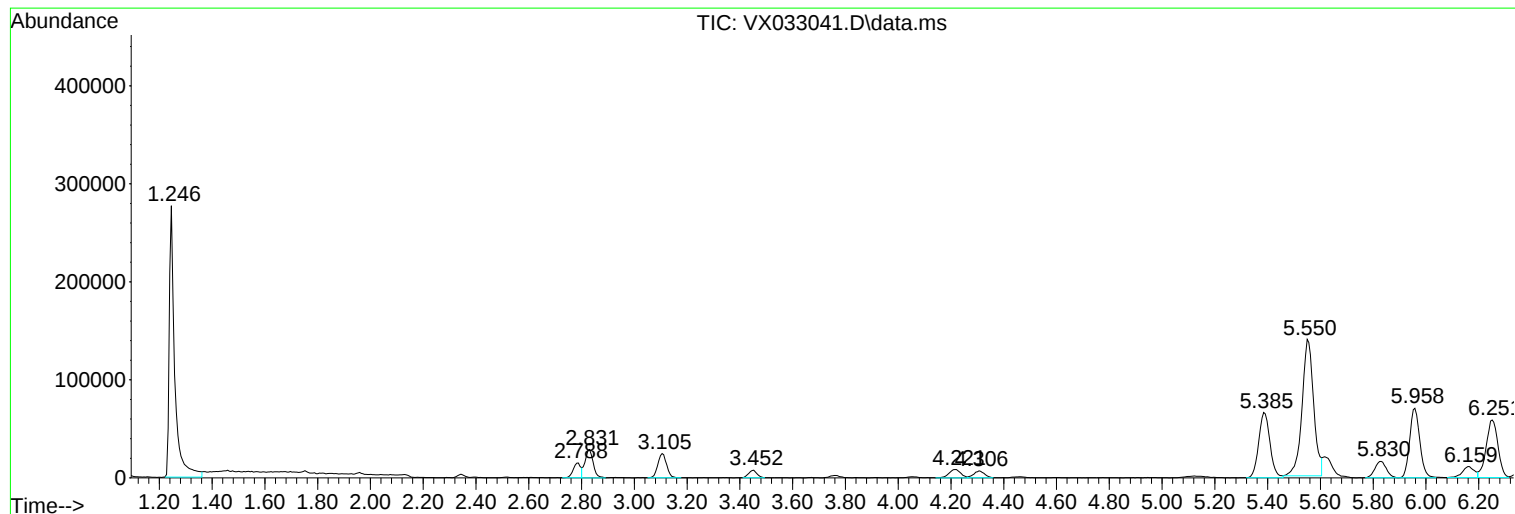
Sum of corrected areas: 9184514

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Instrument :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112222W.M  
Quant Title : SW846 8260

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



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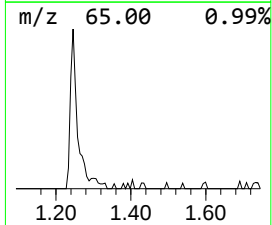
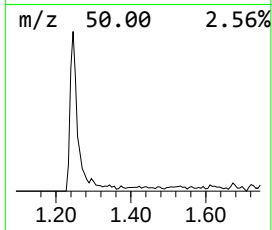
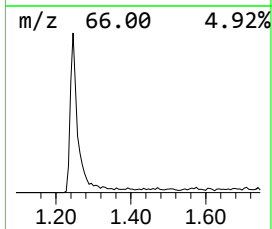
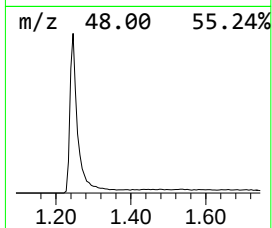
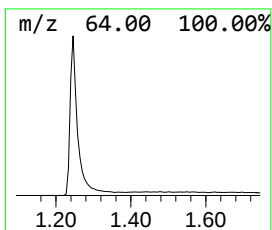
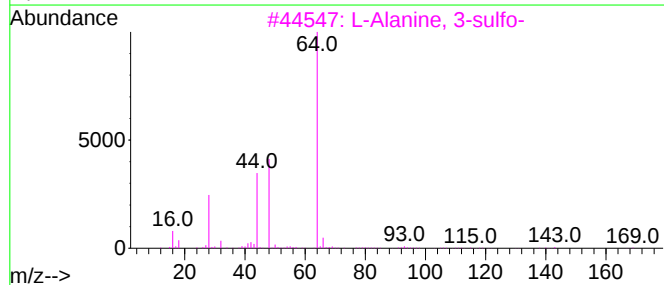
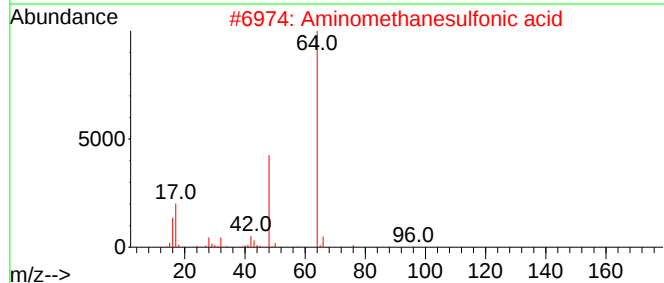
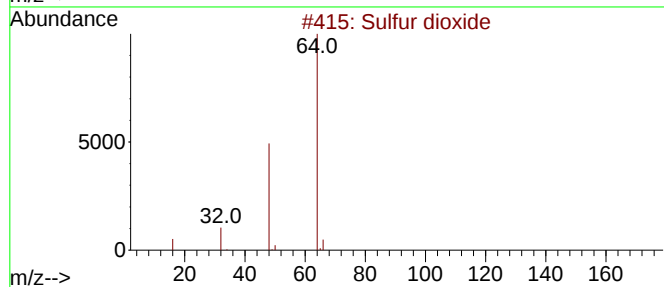
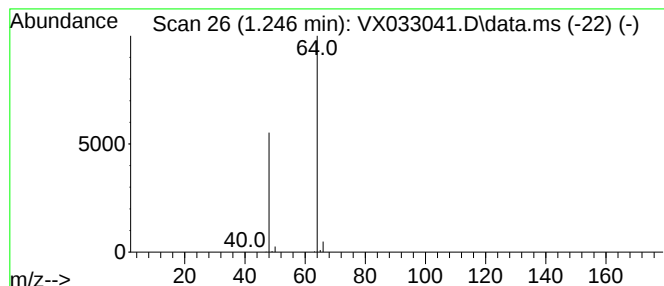
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Sulfur dioxide Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 1.246 | 46.87 ug/l | 401961 | Pentafluorobenzene | 5.556 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------------|-----|----------|-------------|------|
| 1    |    |   | Sulfur dioxide            | 64  | O2S      | 007446-09-5 | 83   |
| 2    |    |   | Aminomethanesulfonic acid | 111 | CH5NO3S  | 013881-91-9 | 74   |
| 3    |    |   | L-Alanine, 3-sulfo-       | 169 | C3H7NO5S | 000498-40-8 | 9    |
| 4    |    |   | Ethene, 1,1-difluoro-     | 64  | C2H2F2   | 000075-38-7 | 4    |
| 5    |    |   | Ethyl Chloride            | 64  | C2H5Cl   | 000075-00-3 | 3    |



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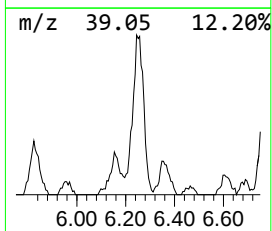
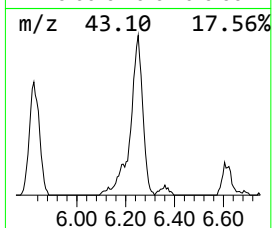
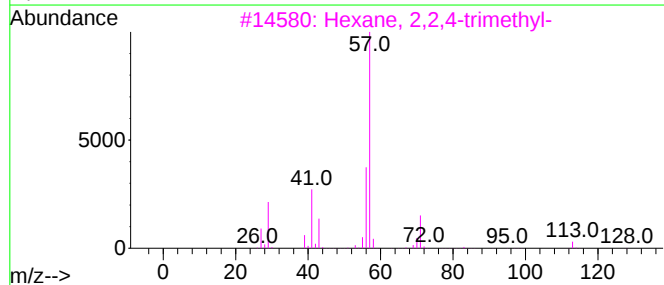
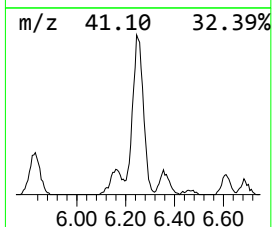
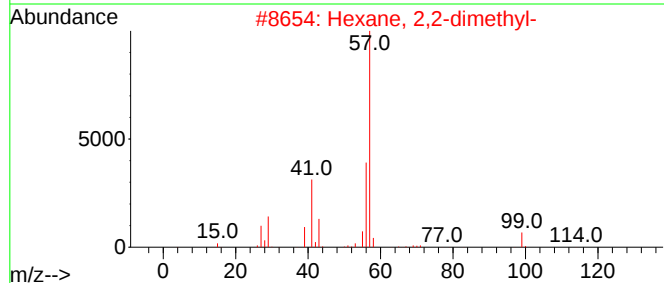
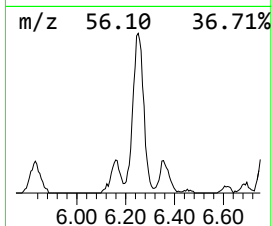
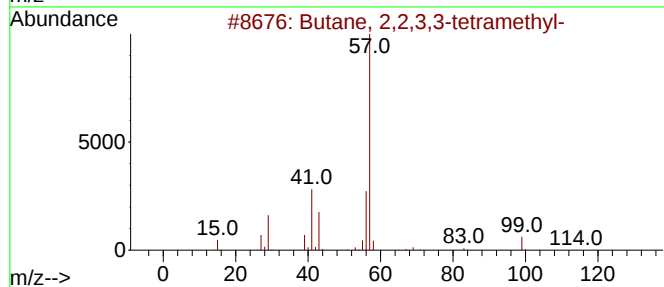
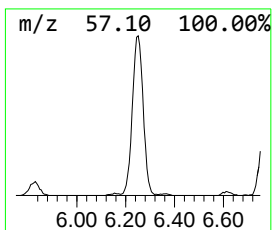
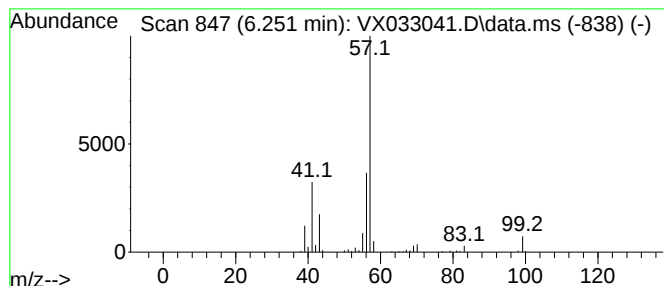
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112222W.M  
Quant Title : SW846 8260

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

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

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 6.251 | 18.20 ug/l | 182348 | 1,4-Difluorobenzene | 6.763 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2,2,3,3-tetramethyl-  | 114 | C8H18   | 000594-82-1 | 72   |
| 2    |    |   | Hexane, 2,2-dimethyl-         | 114 | C8H18   | 000590-73-8 | 64   |
| 3    |    |   | Hexane, 2,2,4-trimethyl-      | 128 | C9H20   | 016747-26-5 | 59   |
| 4    |    |   | Pentane, 2,2,4,4-tetramethyl- | 128 | C9H20   | 001070-87-7 | 53   |
| 5    |    |   | Pentane, 2,2,4-trimethyl-     | 114 | C8H18   | 000540-84-1 | 45   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112322\  
Data File : VX033041.D  
Acq On : 24 Nov 2022 06:04  
Operator : JC/MD  
Sample : N5741-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33

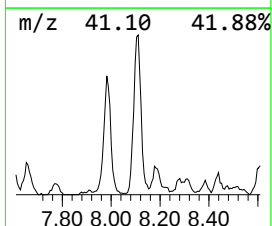
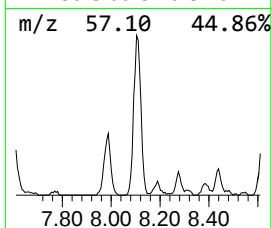
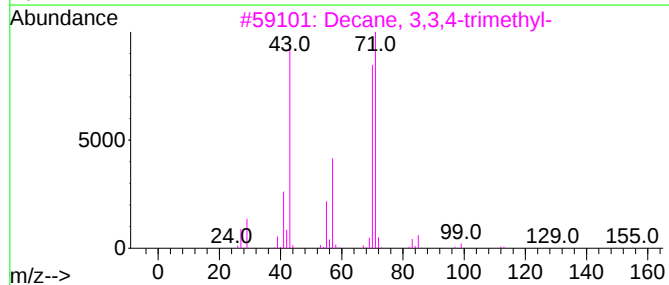
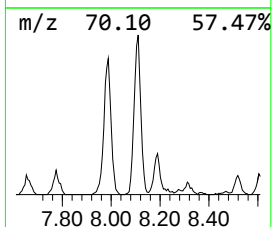
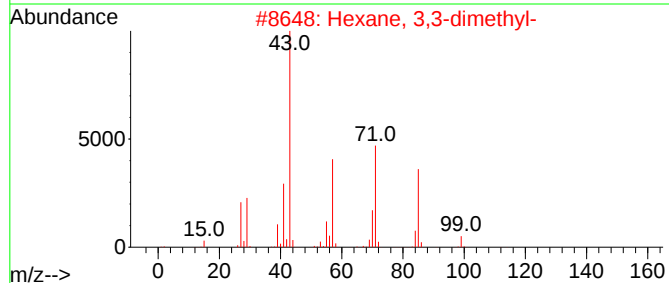
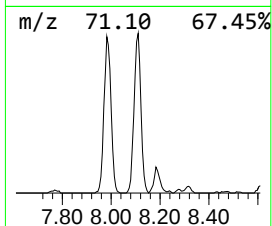
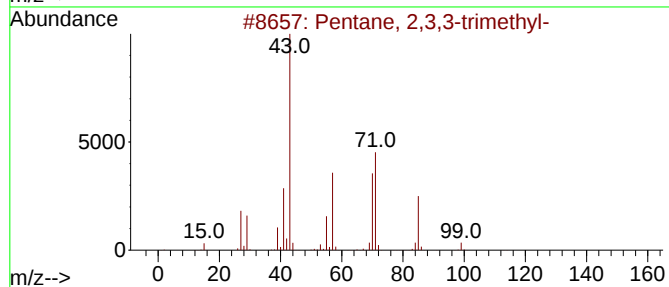
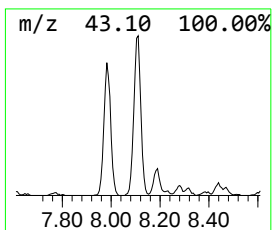
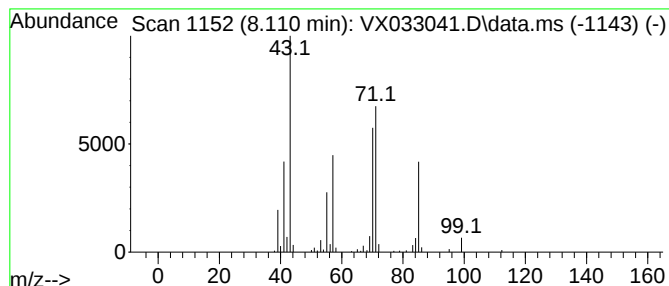
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Pentane, 2,3,3-trimethyl- Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 8.110 | 17.18 ug/l | 172084 | 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    |    |   | Hexane, 3,3-dimethyl-     | 114 | C8H18   | 000563-16-6 | 64   |
| 3    |    |   | Decane, 3,3,4-trimethyl-  | 184 | C13H28  | 049622-18-6 | 53   |
| 4    |    |   | Pentane, 2,3,4-trimethyl- | 114 | C8H18   | 000565-75-3 | 50   |
| 5    |    |   | Heptane, 3,3,4-trimethyl- | 142 | C10H22  | 020278-87-9 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112322\  
Data File : VX033041.D  
Acq On : 24 Nov 2022 06:04  
Operator : JC/MD  
Sample : N5741-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33

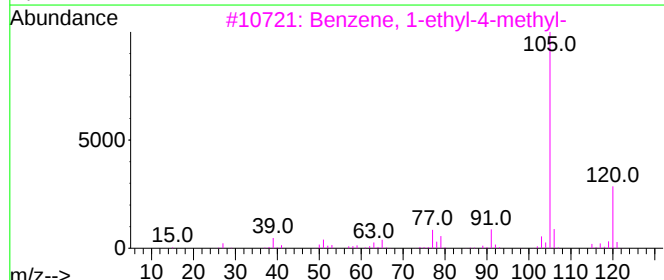
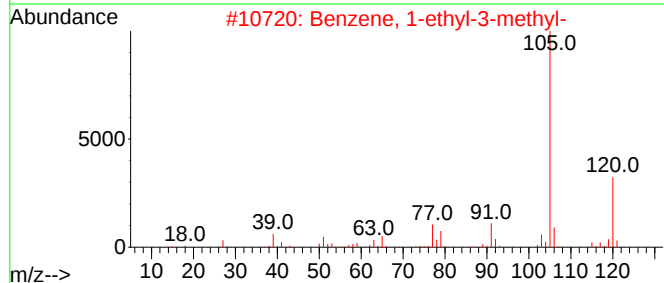
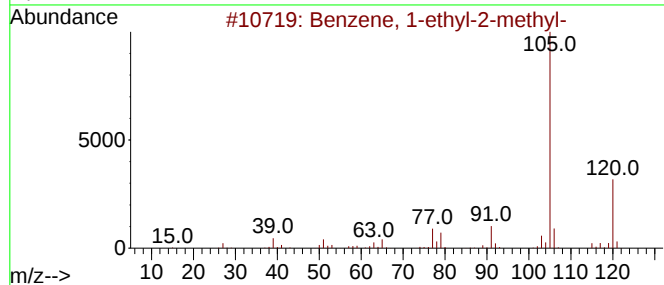
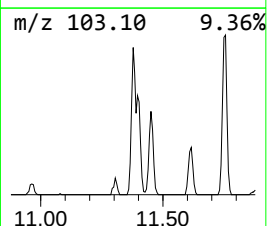
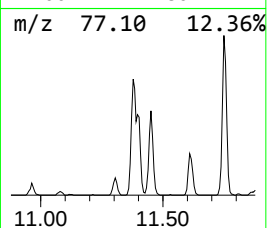
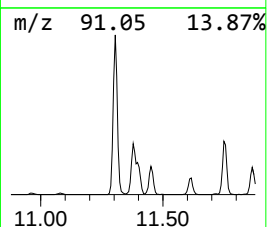
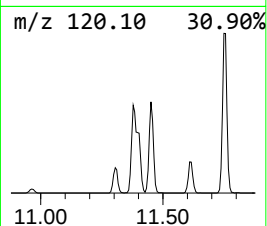
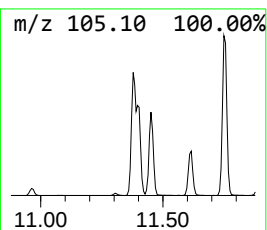
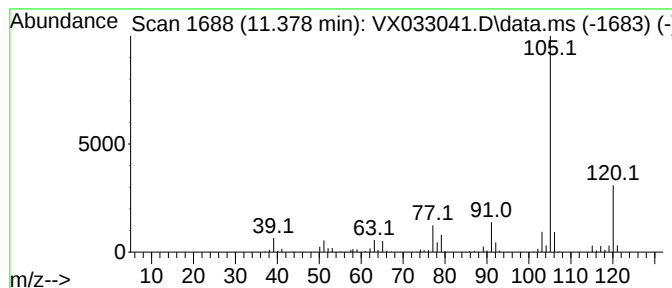
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 11.378 | 21.21 ug/l | 249499 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 2    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 95   |
| 3    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 4    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |
| 5    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112322\  
Data File : VX033041.D  
Acq On : 24 Nov 2022 06:04  
Operator : JC/MD  
Sample : N5741-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33

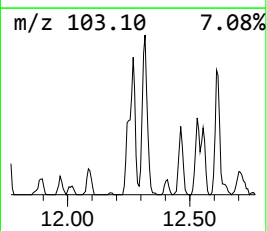
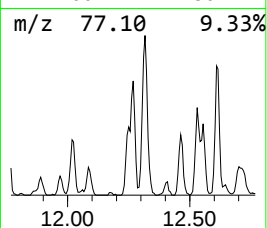
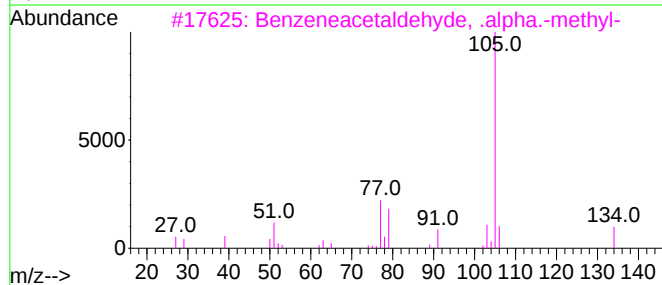
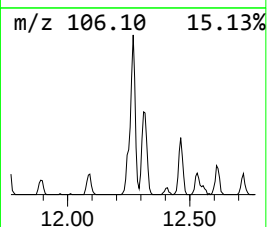
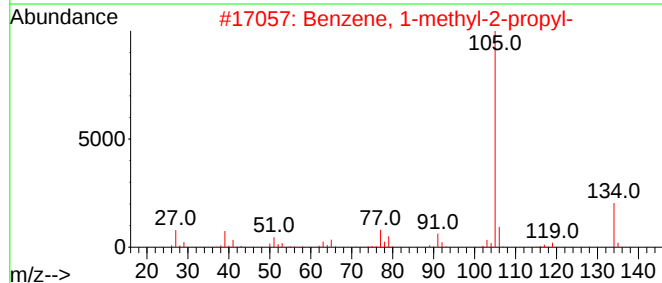
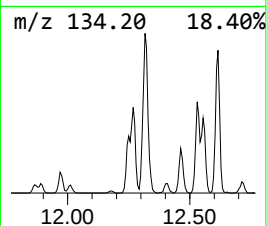
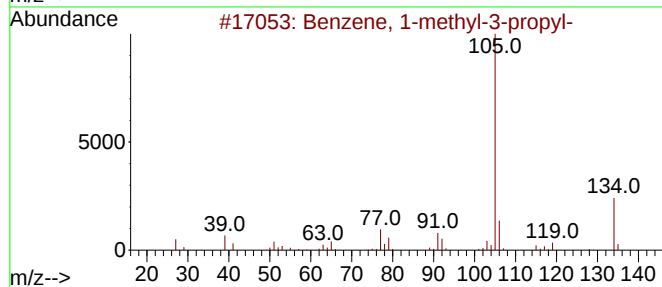
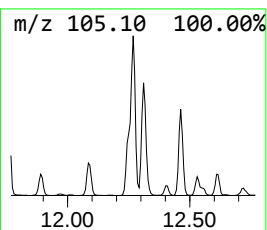
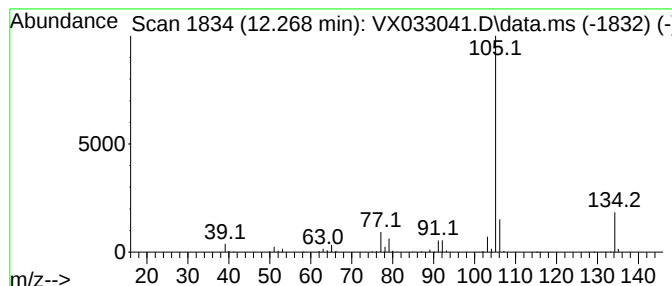
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 Benzene, 1-methyl-3-propyl- Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.268 | 13.33 ug/l | 156788 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-methyl-3-propyl-         | 134 | C10H14  | 001074-43-7 | 74   |
| 2    |    |   | Benzene, 1-methyl-2-propyl-         | 134 | C10H14  | 001074-17-5 | 72   |
| 3    |    |   | Benzeneacetaldehyde, .alpha.-met... | 134 | C9H10O  | 000093-53-8 | 72   |
| 4    |    |   | Benzene, 1-methyl-4-propyl-         | 134 | C10H14  | 001074-55-1 | 64   |
| 5    |    |   | Oxirane, 2-methyl-2-phenyl-         | 134 | C9H10O  | 002085-88-3 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112322\  
Data File : VX033041.D  
Acq On : 24 Nov 2022 06:04  
Operator : JC/MD  
Sample : N5741-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112222W.M  
Quant Title : SW846 8260

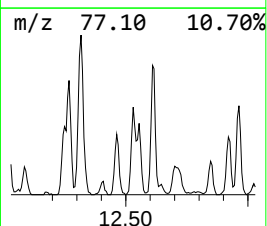
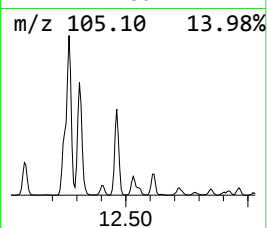
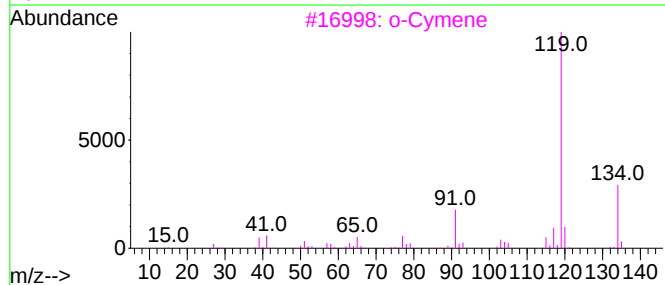
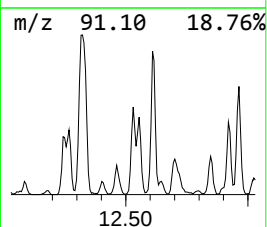
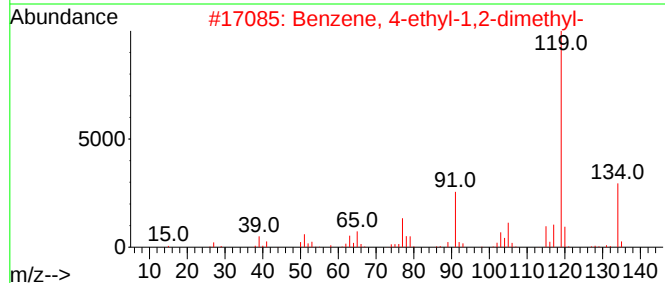
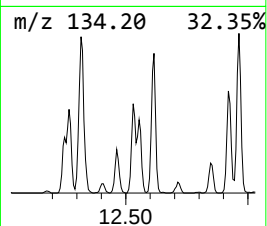
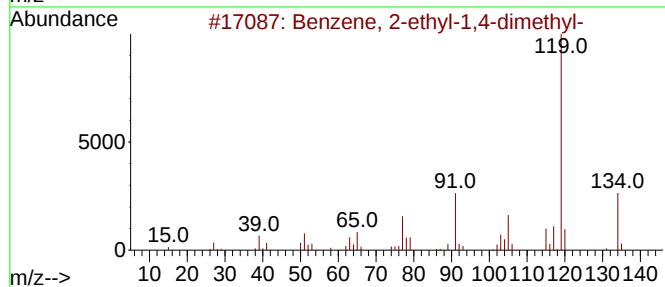
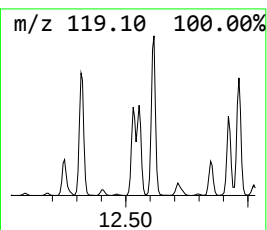
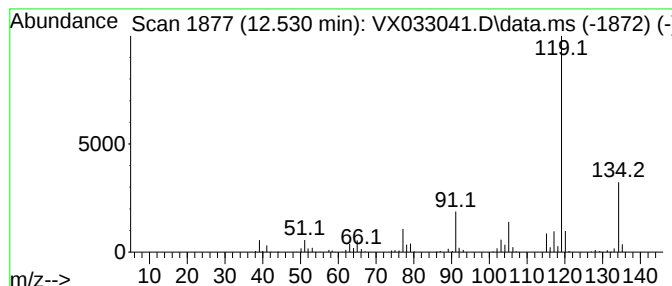
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.530 | 14.28 ug/l | 168061 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 96   |
| 2    |    |   | Benzene, 4-ethyl-1,2-dimethyl-      | 134 | C10H14  | 000934-80-5 | 96   |
| 3    |    |   | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 95   |
| 4    |    |   | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 95   |
| 5    |    |   | Benzene, 1-ethyl-2,3-dimethyl-      | 134 | C10H14  | 000933-98-2 | 95   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112322\  
Data File : VX033041.D  
Acq On : 24 Nov 2022 06:04  
Operator : JC/MD  
Sample : N5741-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112222W.M  
Quant Title : SW846 8260

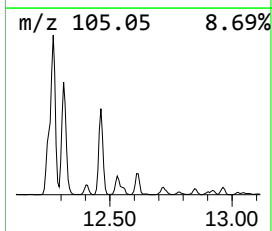
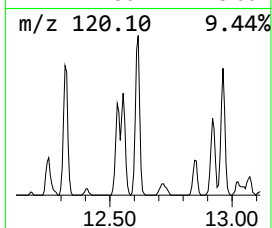
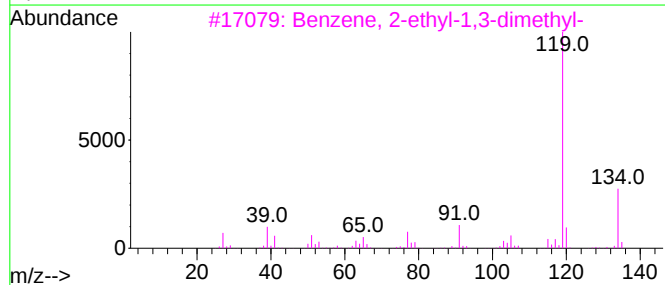
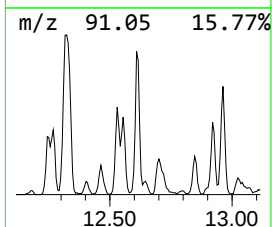
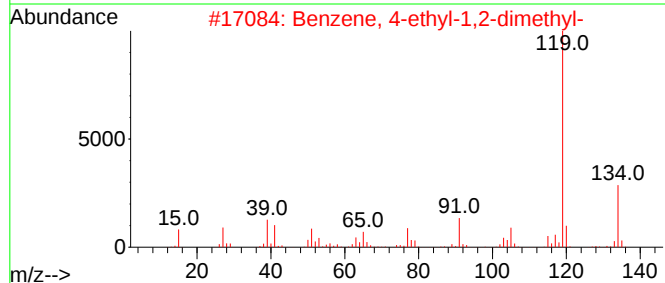
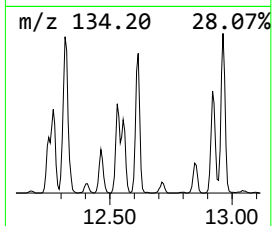
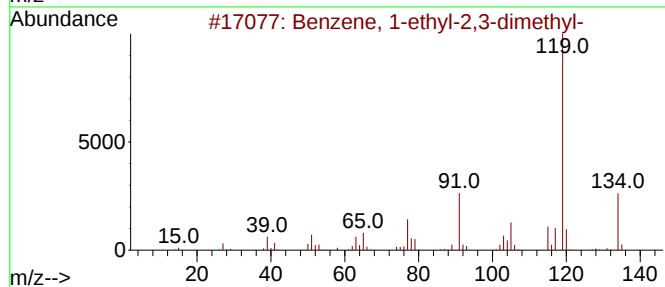
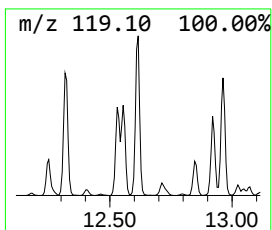
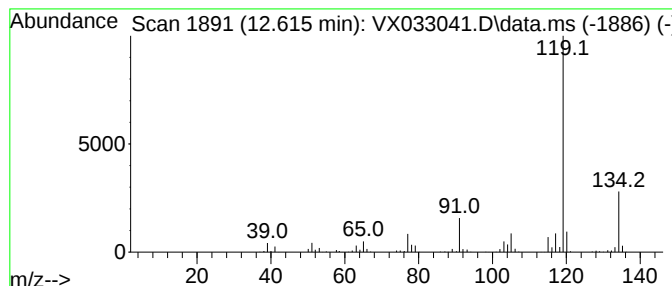
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.616 | 23.25 ug/l | 273592 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-2,3-dimethyl-      | 134 | C10H14  | 000933-98-2 | 96   |
| 2    |    |   | Benzene, 4-ethyl-1,2-dimethyl-      | 134 | C10H14  | 000934-80-5 | 95   |
| 3    |    |   | Benzene, 2-ethyl-1,3-dimethyl-      | 134 | C10H14  | 002870-04-4 | 95   |
| 4    |    |   | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 95   |
| 5    |    |   | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 95   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112322\  
Data File : VX033041.D  
Acq On : 24 Nov 2022 06:04  
Operator : JC/MD  
Sample : N5741-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33

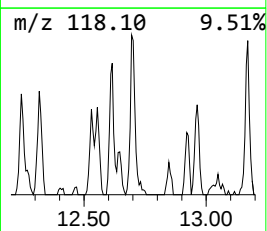
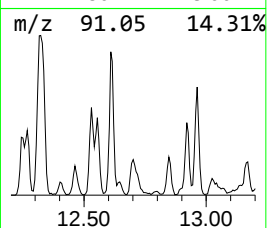
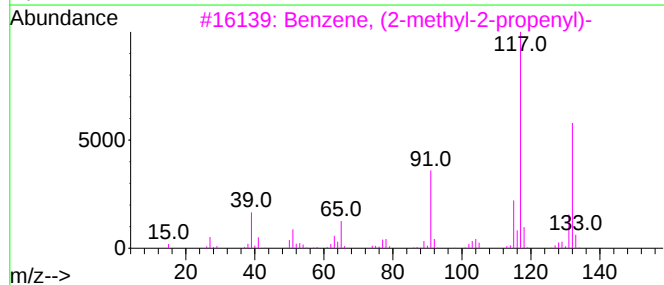
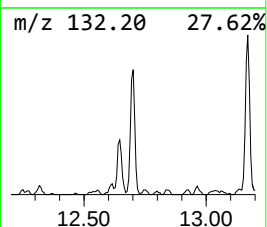
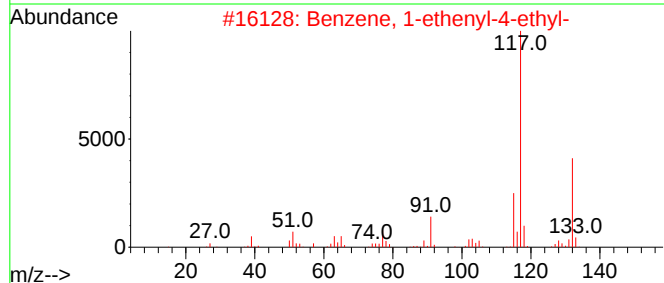
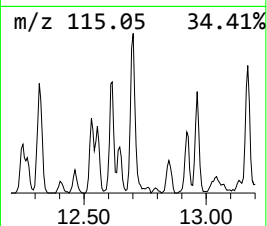
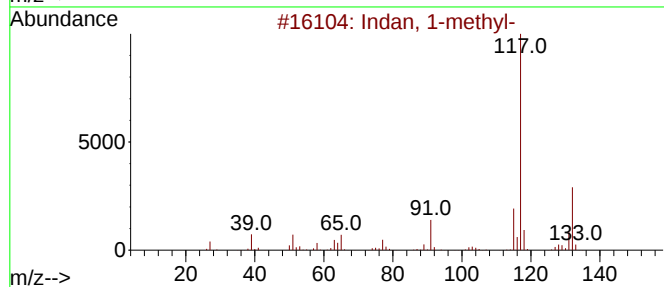
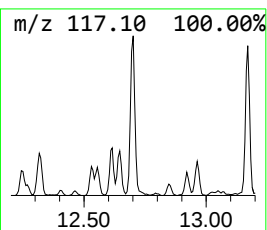
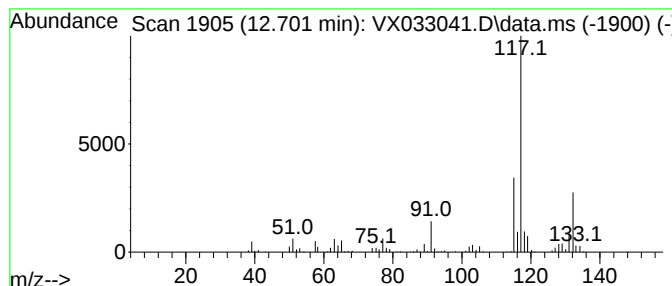
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Quant Title : SW846 8260

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

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Peak Number 8 Indan, 1-methyl- Concentration Rank 10

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.701 | 12.85 ug/l | 151152 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Indan, 1-methyl-                  | 132 | C10H12  | 000767-58-8 | 93   |
| 2    |    |   | Benzene, 1-ethenyl-4-ethyl-       | 132 | C10H12  | 003454-07-7 | 86   |
| 3    |    |   | Benzene, (2-methyl-2-propenyl)-   | 132 | C10H12  | 003290-53-7 | 86   |
| 4    |    |   | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12  | 001587-04-8 | 83   |
| 5    |    |   | Benzene, (2-methyl-1-propenyl)-   | 132 | C10H12  | 000768-49-0 | 83   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112322\  
Data File : VX033041.D  
Acq On : 24 Nov 2022 06:04  
Operator : JC/MD  
Sample : N5741-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112222W.M  
Quant Title : SW846 8260

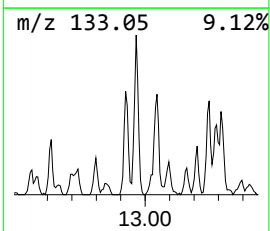
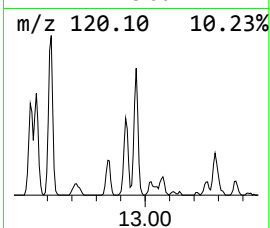
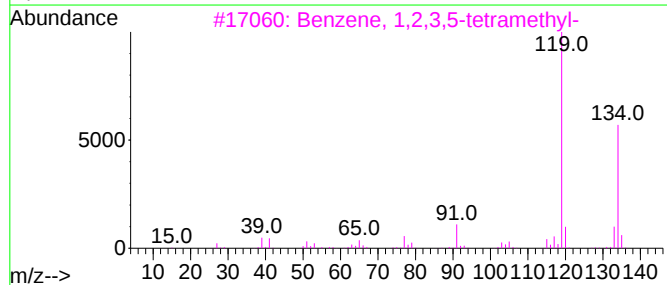
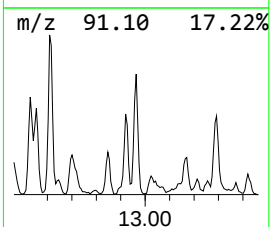
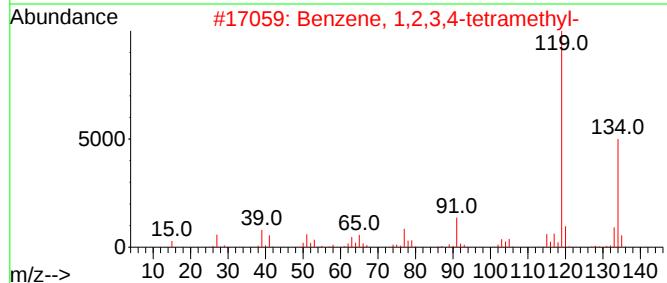
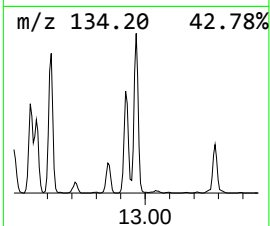
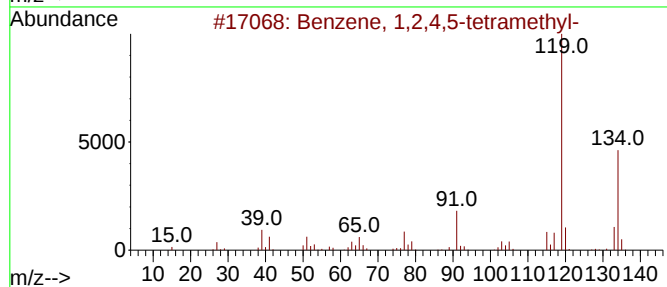
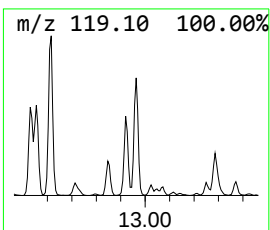
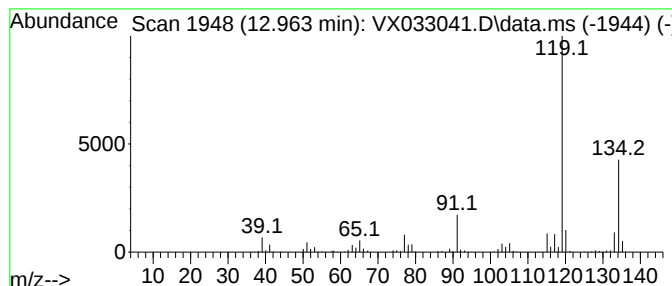
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.963 | 18.28 ug/l | 215101 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 97   |
| 2    |    |   | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 95   |
| 3    |    |   | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 95   |
| 4    |    |   | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 93   |
| 5    |    |   | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112322\  
Data File : VX033041.D  
Acq On : 24 Nov 2022 06:04  
Operator : JC/MD  
Sample : N5741-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33

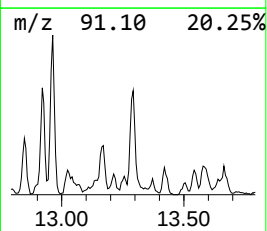
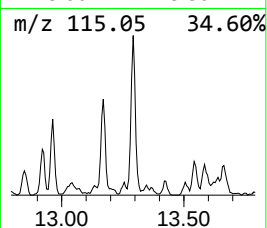
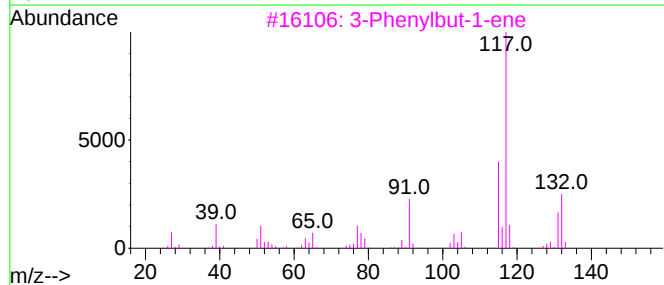
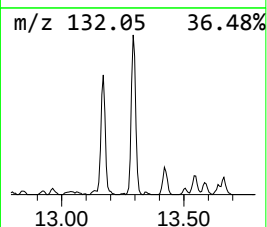
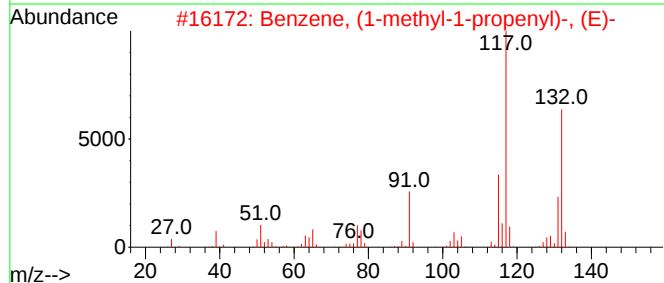
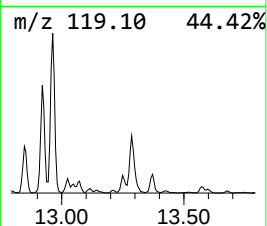
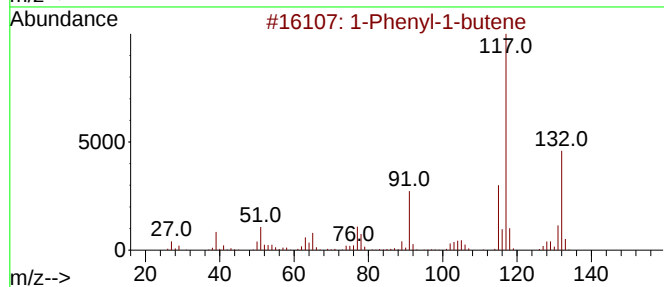
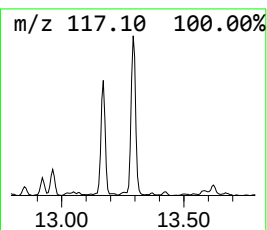
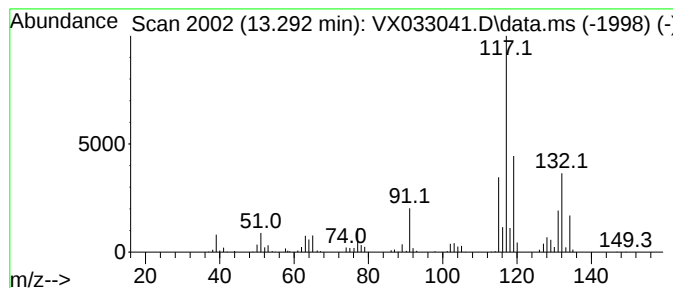
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112222W.M  
Quant Title : SW846 8260

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

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Peak Number 10 1-Phenyl-1-butene Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.292 | 18.99 ug/l | 223399 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Phenyl-1-butene                   | 132 | C10H12  | 000824-90-8 | 86   |
| 2    |    |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 76   |
| 3    |    |   | 3-Phenylbut-1-ene                   | 132 | C10H12  | 000934-10-1 | 76   |
| 4    |    |   | 1-Methyl-2-phenylcyclopropane       | 132 | C10H12  | 003145-76-4 | 76   |
| 5    |    |   | Benzene, 2-ethenyl-1,4-dimethyl-    | 132 | C10H12  | 002039-89-6 | 70   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112322\  
Data File : VX033041.D  
Acq On : 24 Nov 2022 06:04  
Operator : JC/MD  
Sample : N5741-14  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112222W.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 |
| Sulfur dioxide     | 1.246  | 46.9    | ug/l  | 401961   | 1                     | 5.556  | 428785 | 50.0 |
| Butane, 2,2,3,3... | 6.251  | 18.2    | ug/l  | 182348   | 2                     | 6.763  | 500866 | 50.0 |
| Pentane, 2,3,3-... | 8.110  | 17.2    | ug/l  | 172084   | 2                     | 6.763  | 500866 | 50.0 |
| Benzene, 1-ethy... | 11.378 | 21.2    | ug/l  | 249499   | 4                     | 12.024 | 588285 | 50.0 |
| Benzene, 1-meth... | 12.268 | 13.3    | ug/l  | 156788   | 4                     | 12.024 | 588285 | 50.0 |
| Benzene, 2-ethy... | 12.530 | 14.3    | ug/l  | 168061   | 4                     | 12.024 | 588285 | 50.0 |
| Benzene, 1-ethy... | 12.616 | 23.3    | ug/l  | 273592   | 4                     | 12.024 | 588285 | 50.0 |
| Indan, 1-methyl-   | 12.701 | 12.9    | ug/l  | 151152   | 4                     | 12.024 | 588285 | 50.0 |
| Benzene, 1,2,4,... | 12.963 | 18.3    | ug/l  | 215101   | 4                     | 12.024 | 588285 | 50.0 |
| 1-Phenyl-1-butene  | 13.292 | 19.0    | ug/l  | 223399   | 4                     | 12.024 | 588285 | 50.0 |