

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110422\  
 Data File : VX032597.D  
 Acq On : 05 Nov 2022 02:03  
 Operator : JC/MD  
 Sample : N5486-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LB-3R

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\82X102622W.M  
 Title : SW846 8260

Signal : TIC: VX032597.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         | 1.746       | 103           | 108         | 119          | rVB      | 417213         | 551966        | 29.24%          | 1.838%        |
| 2         | 1.953       | 137           | 142         | 150          | rVB      | 66562          | 88440         | 4.68%           | 0.295%        |
| 3         | 2.337       | 195           | 205         | 223          | rBV      | 68908          | 139455        | 7.39%           | 0.464%        |
| 4         | 2.782       | 268           | 278         | 281          | rBV      | 292813         | 628076        | 33.27%          | 2.092%        |
| 5         | 2.825       | 281           | 285         | 313          | rVB      | 533401         | 1204120       | 63.78%          | 4.010%        |
| 6         | 3.099       | 320           | 330         | 347          | rVB      | 435207         | 974259        | 51.60%          | 3.245%        |
| 7         | 3.733       | 424           | 434         | 443          | rBV2     | 22811          | 55264         | 2.93%           | 0.184%        |
| 8         | 3.837       | 443           | 451         | 459          | rBV2     | 27898          | 70322         | 3.72%           | 0.234%        |
| 9         | 4.215       | 502           | 513         | 520          | rVV2     | 79606          | 243441        | 12.89%          | 0.811%        |
| 10        | 4.306       | 520           | 528         | 539          | rVV      | 238610         | 675717        | 35.79%          | 2.250%        |
| 11        | 4.428       | 539           | 548         | 563          | rVB5     | 32197          | 108311        | 5.74%           | 0.361%        |
| 12        | 5.147       | 645           | 666         | 667          | rBV4     | 23363          | 77114         | 4.08%           | 0.257%        |
| 13        | 5.391       | 694           | 706         | 712          | rBV      | 80800          | 247722        | 13.12%          | 0.825%        |
| 14        | 5.477       | 712           | 720         | 728          | rVV5     | 137623         | 547335        | 28.99%          | 1.823%        |
| 15        | 5.556       | 728           | 733         | 737          | rVV      | 134086         | 359732        | 19.05%          | 1.198%        |
| 16        | 5.623       | 738           | 744         | 765          | rVB2     | 211576         | 675539        | 35.78%          | 2.250%        |
| 17        | 5.830       | 765           | 778         | 790          | rBV3     | 126036         | 408367        | 21.63%          | 1.360%        |
| 18        | 5.958       | 790           | 799         | 806          | rVV      | 82424          | 215942        | 11.44%          | 0.719%        |
| 19        | 6.044       | 806           | 813         | 821          | rVV      | 54388          | 152906        | 8.10%           | 0.509%        |
| 20        | 6.159       | 823           | 832         | 839          | rVV2     | 105286         | 335489        | 17.77%          | 1.117%        |
| 21        | 6.251       | 840           | 847         | 857          | rVV3     | 203956         | 630399        | 33.39%          | 2.099%        |
| 22        | 6.361       | 857           | 865         | 878          | rVB2     | 119746         | 335557        | 17.77%          | 1.117%        |
| 23        | 6.763       | 922           | 931         | 939          | rBV      | 202555         | 546163        | 28.93%          | 1.819%        |
| 24        | 6.854       | 941           | 946         | 957          | rVB3     | 85986          | 231045        | 12.24%          | 0.769%        |
| 25        | 6.982       | 957           | 967         | 974          | rBV      | 26431          | 64203         | 3.40%           | 0.214%        |
| 26        | 7.171       | 990           | 998         | 1007         | rBV      | 94929          | 206221        | 10.92%          | 0.687%        |
| 27        | 7.373       | 1019          | 1031        | 1044         | rBV4     | 207928         | 610166        | 32.32%          | 2.032%        |
| 28        | 7.501       | 1044          | 1052        | 1057         | rBV3     | 27046          | 57036         | 3.02%           | 0.190%        |
| 29        | 7.562       | 1057          | 1062        | 1067         | rBV2     | 26308          | 53859         | 2.85%           | 0.179%        |
| 30        | 7.659       | 1073          | 1078        | 1090         | rVB      | 38038          | 74358         | 3.94%           | 0.248%        |
| 31        | 7.775       | 1090          | 1097        | 1104         | rVB3     | 26297          | 54088         | 2.86%           | 0.180%        |
| 32        | 7.885       | 1112          | 1115        | 1122         | rVV5     | 24021          | 49391         | 2.62%           | 0.164%        |
| 33        | 7.988       | 1122          | 1132        | 1143         | rVB2     | 99089          | 242078        | 12.82%          | 0.806%        |
| 34        | 8.110       | 1143          | 1152        | 1154         | rBV      | 170200         | 319384        | 16.92%          | 1.064%        |
| 35        | 8.147       | 1154          | 1158        | 1162         | rVV      | 210343         | 378756        | 20.06%          | 1.261%        |
| 36        | 8.190       | 1162          | 1165        | 1175         | rVB4     | 37061          | 85161         | 4.51%           | 0.284%        |

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 MSVOA\_X  
 ClientSampleId :  
 LB-3R

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\82X102622W.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 37 | 8.312  | 1175 | 1185 | 1193 | rBV4 | 35278   | 81733   | 4.33%   | 0.272% |
| 38 | 8.507  | 1209 | 1217 | 1226 | rVB3 | 79788   | 161436  | 8.55%   | 0.538% |
| 39 | 8.604  | 1226 | 1233 | 1236 | rBV3 | 50775   | 101968  | 5.40%   | 0.340% |
| 40 | 8.647  | 1236 | 1240 | 1248 | rVB  | 408182  | 666986  | 35.33%  | 2.221% |
| 41 | 8.720  | 1248 | 1252 | 1257 | rBV  | 44469   | 69900   | 3.70%   | 0.233% |
| 42 | 8.927  | 1280 | 1286 | 1290 | rBV  | 69348   | 108877  | 5.77%   | 0.363% |
| 43 | 9.104  | 1307 | 1315 | 1320 | rBV2 | 45334   | 88795   | 4.70%   | 0.296% |
| 44 | 9.165  | 1320 | 1325 | 1335 | rVB  | 155560  | 257097  | 13.62%  | 0.856% |
| 45 | 9.433  | 1364 | 1369 | 1371 | rBV  | 34804   | 56253   | 2.98%   | 0.187% |
| 46 | 9.464  | 1371 | 1374 | 1377 | rVV  | 38456   | 58278   | 3.09%   | 0.194% |
| 47 | 9.500  | 1377 | 1380 | 1387 | rVV3 | 43615   | 82516   | 4.37%   | 0.275% |
| 48 | 9.604  | 1394 | 1397 | 1402 | rVV2 | 46310   | 67818   | 3.59%   | 0.226% |
| 49 | 9.762  | 1416 | 1423 | 1429 | rBV2 | 30202   | 52655   | 2.79%   | 0.175% |
| 50 | 10.055 | 1466 | 1471 | 1476 | rVB  | 408972  | 532504  | 28.20%  | 1.773% |
| 51 | 10.195 | 1490 | 1494 | 1499 | rVB  | 104689  | 125458  | 6.64%   | 0.418% |
| 52 | 10.305 | 1509 | 1512 | 1517 | rVB  | 42002   | 57681   | 3.06%   | 0.192% |
| 53 | 10.963 | 1614 | 1620 | 1628 | rBV  | 516878  | 636510  | 33.71%  | 2.120% |
| 54 | 11.085 | 1635 | 1640 | 1644 | rVB  | 363060  | 475169  | 25.17%  | 1.582% |
| 55 | 11.305 | 1666 | 1676 | 1684 | rVB  | 1571353 | 1888013 | 100.00% | 6.288% |
| 56 | 11.616 | 1721 | 1727 | 1736 | rVB  | 305806  | 386645  | 20.48%  | 1.288% |
| 57 | 11.756 | 1746 | 1750 | 1756 | rVB  | 42892   | 52634   | 2.79%   | 0.175% |
| 58 | 11.866 | 1763 | 1768 | 1770 | rBV  | 112561  | 143726  | 7.61%   | 0.479% |
| 59 | 11.890 | 1770 | 1772 | 1778 | rVB  | 139510  | 156931  | 8.31%   | 0.523% |
| 60 | 12.024 | 1788 | 1794 | 1800 | rVV  | 462674  | 588345  | 31.16%  | 1.959% |
| 61 | 12.085 | 1800 | 1804 | 1809 | rVV  | 59641   | 73113   | 3.87%   | 0.243% |
| 62 | 12.244 | 1824 | 1830 | 1837 | rBV2 | 1303946 | 1637084 | 86.71%  | 5.452% |
| 63 | 12.317 | 1837 | 1842 | 1843 | rBV  | 199140  | 261607  | 13.86%  | 0.871% |
| 64 | 12.408 | 1852 | 1857 | 1862 | rVB  | 101938  | 126777  | 6.71%   | 0.422% |
| 65 | 12.463 | 1862 | 1866 | 1873 | rBV  | 57085   | 65372   | 3.46%   | 0.218% |
| 66 | 12.530 | 1873 | 1877 | 1884 | rVB  | 51794   | 64421   | 3.41%   | 0.215% |
| 67 | 12.616 | 1884 | 1891 | 1894 | rBV  | 1203379 | 1463975 | 77.54%  | 4.875% |
| 68 | 12.646 | 1894 | 1896 | 1900 | rVB  | 184335  | 190930  | 10.11%  | 0.636% |
| 69 | 12.701 | 1900 | 1905 | 1913 | rBV2 | 778414  | 1091801 | 57.83%  | 3.636% |
| 70 | 12.841 | 1924 | 1928 | 1933 | rVB2 | 45559   | 66098   | 3.50%   | 0.220% |
| 71 | 12.920 | 1933 | 1941 | 1946 | rBV  | 770968  | 962037  | 50.95%  | 3.204% |
| 72 | 12.963 | 1946 | 1948 | 1953 | rVB2 | 42295   | 50439   | 2.67%   | 0.168% |
| 73 | 13.024 | 1953 | 1958 | 1966 | rBV2 | 85331   | 133602  | 7.08%   | 0.445% |
| 74 | 13.140 | 1973 | 1977 | 1978 | rVV  | 73174   | 88493   | 4.69%   | 0.295% |
| 75 | 13.170 | 1978 | 1982 | 1992 | rVB  | 444924  | 587777  | 31.13%  | 1.957% |
| 76 | 13.262 | 1992 | 1997 | 1998 | rBV  | 67486   | 88142   | 4.67%   | 0.294% |

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Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

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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\82X102622W.M  
 Title : SW846 8260

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 77  | 13.292 | 1998 | 2002 | 2008 | rVV2 | 960424 | 1282252 | 67.92% | 4.270% |
| 78  | 13.372 | 2012 | 2015 | 2020 | rVB  | 81677  | 96668   | 5.12%  | 0.322% |
| 79  | 13.426 | 2020 | 2024 | 2031 | rVB2 | 41553  | 56583   | 3.00%  | 0.188% |
| 80  | 13.506 | 2031 | 2037 | 2040 | rBV2 | 84761  | 118506  | 6.28%  | 0.395% |
| 81  | 13.542 | 2040 | 2043 | 2046 | rVV  | 225464 | 278936  | 14.77% | 0.929% |
| 82  | 13.585 | 2046 | 2050 | 2054 | rVV4 | 222163 | 335073  | 17.75% | 1.116% |
| 83  | 13.640 | 2054 | 2059 | 2060 | rVV2 | 99448  | 123532  | 6.54%  | 0.411% |
| 84  | 13.664 | 2060 | 2063 | 2070 | rVB2 | 247532 | 377509  | 20.00% | 1.257% |
| 85  | 13.853 | 2090 | 2094 | 2099 | rVB  | 68158  | 83829   | 4.44%  | 0.279% |
| 86  | 13.926 | 2099 | 2106 | 2110 | rBV2 | 139834 | 198594  | 10.52% | 0.661% |
| 87  | 13.969 | 2110 | 2113 | 2117 | rVV  | 81252  | 99594   | 5.28%  | 0.332% |
| 88  | 14.073 | 2126 | 2130 | 2134 | rBV  | 96811  | 124954  | 6.62%  | 0.416% |
| 89  | 14.213 | 2148 | 2153 | 2159 | rBV  | 107257 | 170510  | 9.03%  | 0.568% |
| 90  | 14.323 | 2167 | 2171 | 2176 | rBV2 | 65394  | 95925   | 5.08%  | 0.319% |
| 91  | 14.371 | 2176 | 2179 | 2184 | rVB  | 109223 | 130374  | 6.91%  | 0.434% |
| 92  | 14.481 | 2192 | 2197 | 2202 | rBV2 | 85030  | 116103  | 6.15%  | 0.387% |
| 93  | 14.609 | 2210 | 2218 | 2221 | rBV3 | 34220  | 76921   | 4.07%  | 0.256% |
| 94  | 14.780 | 2241 | 2246 | 2251 | rBV  | 228739 | 304496  | 16.13% | 1.014% |
| 95  | 15.408 | 2345 | 2349 | 2354 | rVB  | 37139  | 50872   | 2.69%  | 0.169% |
| 96  | 15.481 | 2354 | 2361 | 2364 | rVV2 | 30917  | 51241   | 2.71%  | 0.171% |
| 97  | 15.615 | 2373 | 2383 | 2386 | rVV  | 66614  | 113553  | 6.01%  | 0.378% |
| 98  | 15.816 | 2409 | 2416 | 2417 | rBV2 | 30610  | 50988   | 2.70%  | 0.170% |
| 99  | 15.841 | 2417 | 2420 | 2431 | rVB  | 40527  | 70845   | 3.75%  | 0.236% |
| 100 | 15.987 | 2436 | 2444 | 2454 | rBV  | 43368  | 72970   | 3.86%  | 0.243% |

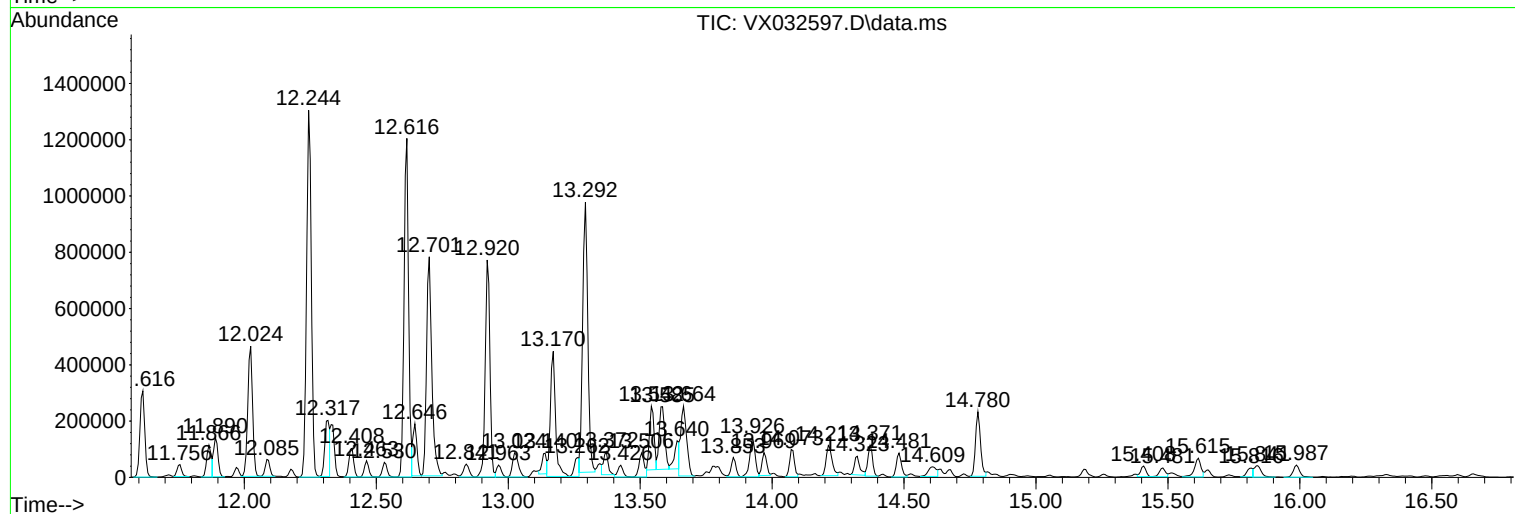
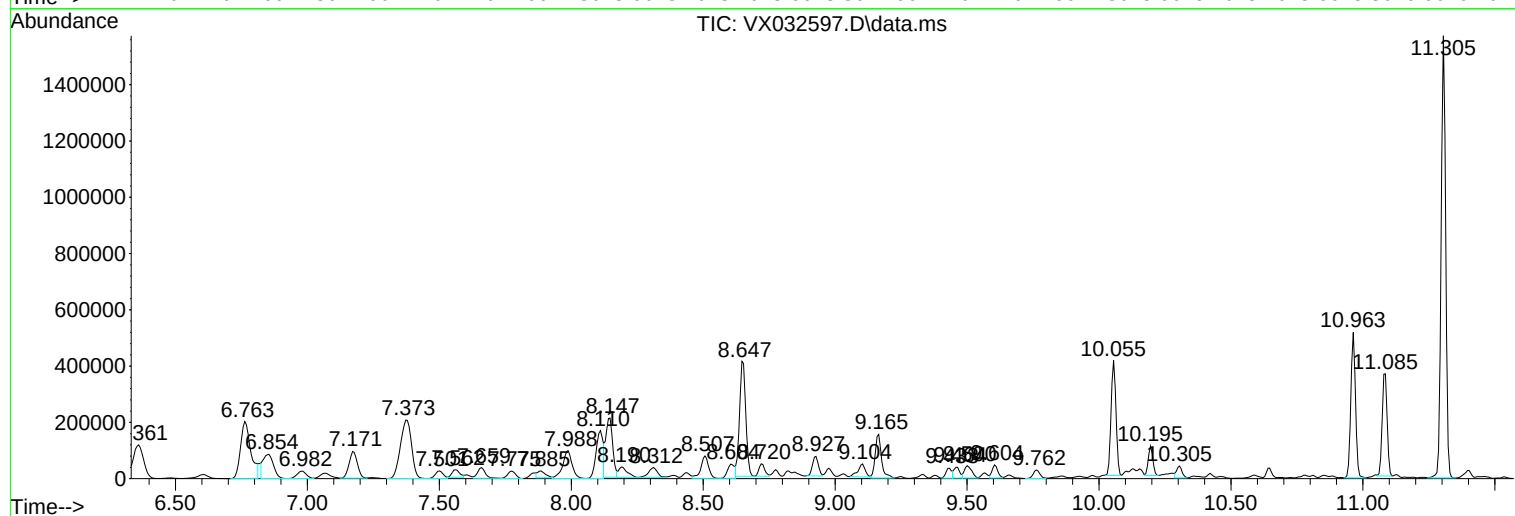
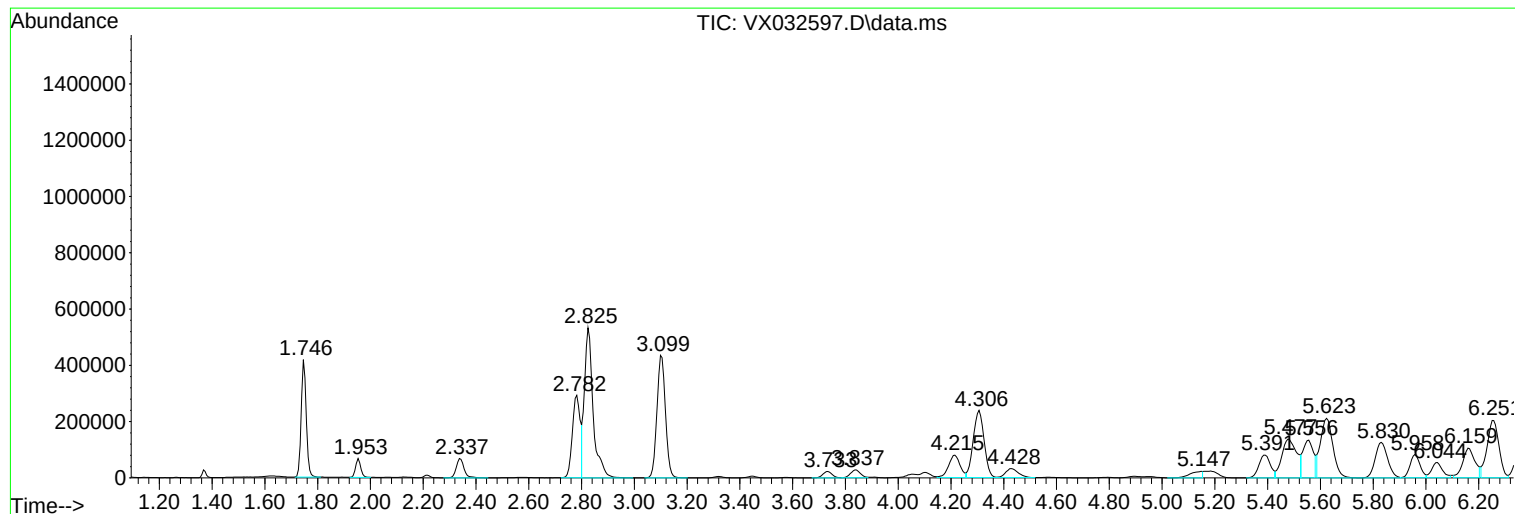
Sum of corrected areas: 30027806

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Instrument :  
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LB-3R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110422\  
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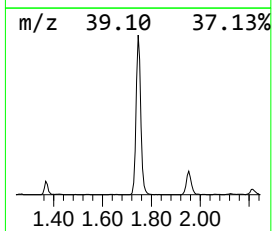
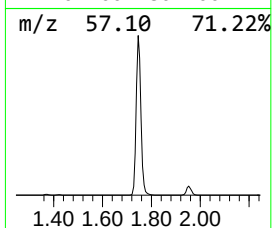
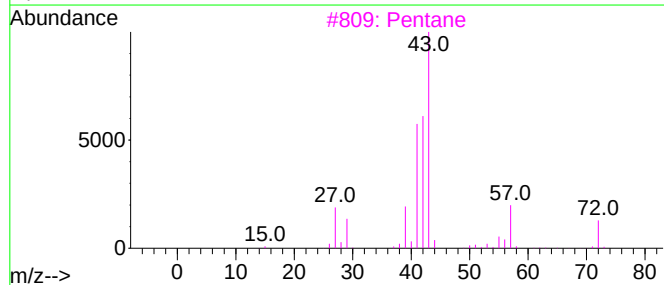
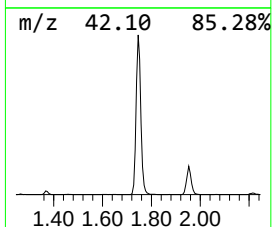
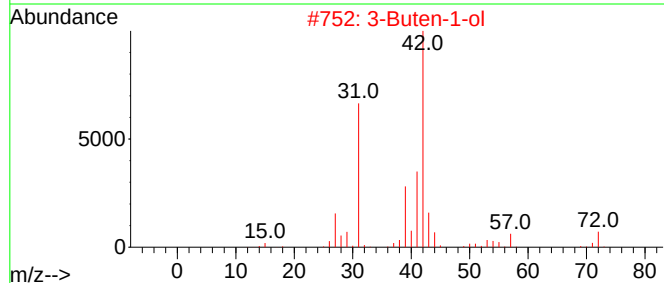
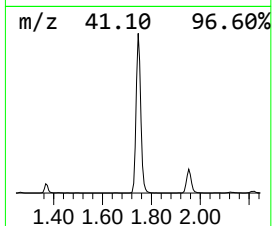
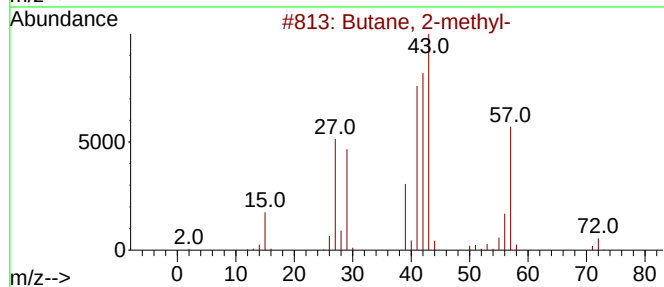
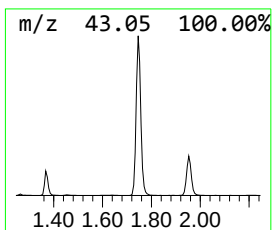
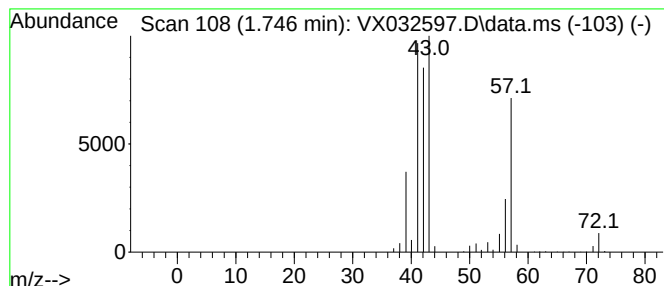
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
Quant Title : SW846 8260

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

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Peak Number 1 Butane, 2-methyl- Concentration Rank 11

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 1.746 | 76.72 ug/l | 551966 | Pentafluorobenzene | 5.556 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methyl-                 | 72  | C5H12   | 000078-78-4 | 90   |
| 2    |    |   | 3-Buten-1-ol                      | 72  | C4H8O   | 000627-27-0 | 43   |
| 3    |    |   | Pentane                           | 72  | C5H12   | 000109-66-0 | 33   |
| 4    |    |   | 2(3H)-Furanone, dihydro-4-methyl- | 100 | C5H8O2  | 001679-49-8 | 28   |
| 5    |    |   | Butane, 1-chloro-2-methyl-        | 106 | C5H11Cl | 000616-13-7 | 16   |



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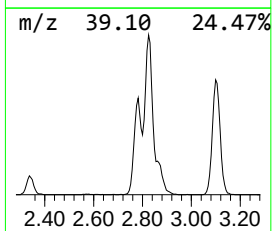
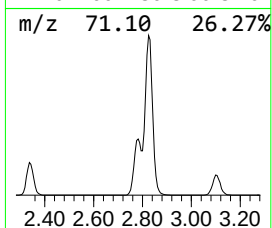
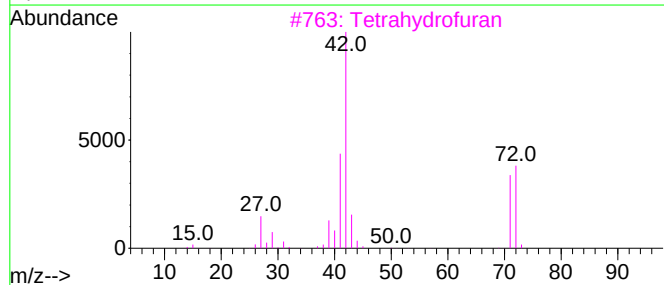
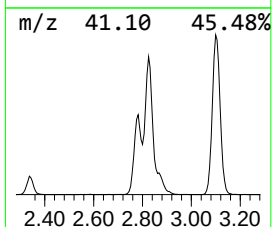
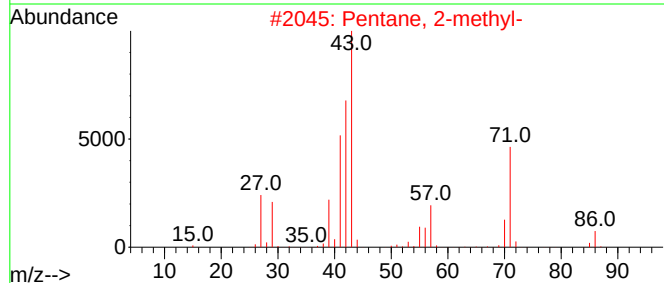
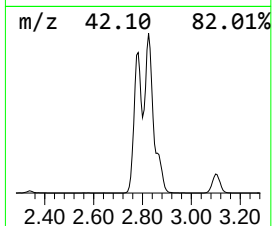
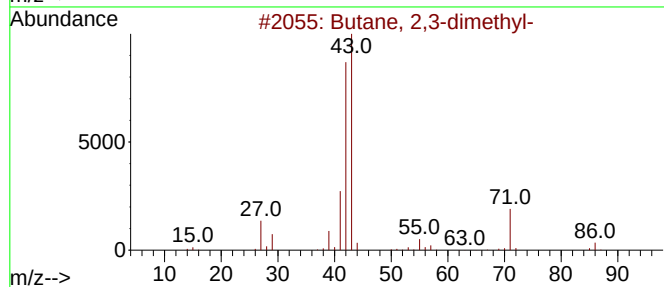
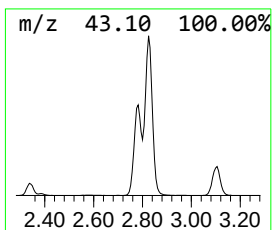
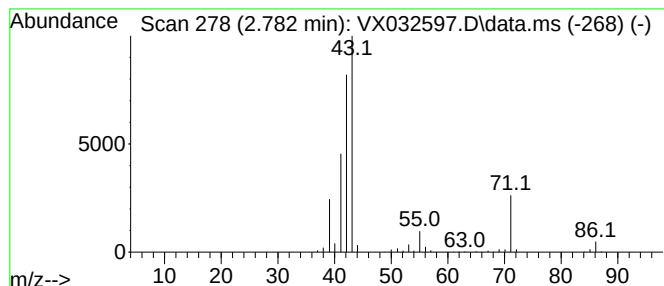
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
Quant Title : SW846 8260

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

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Peak Number 2 Butane, 2,3-dimethyl- Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 2.782 | 87.30 ug/l | 628076 | 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 | 78   |
| 3    |    |   | Tetrahydrofuran       | 72 | C4H8O   | 000109-99-9 | 38   |
| 4    |    |   | Pentane               | 72 | C5H12   | 000109-66-0 | 36   |
| 5    |    |   | 1-Pentene             | 70 | C5H10   | 000109-67-1 | 33   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110422\  
Data File : VX032597.D  
Acq On : 05 Nov 2022 02:03  
Operator : JC/MD  
Sample : N5486-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
LB-3R

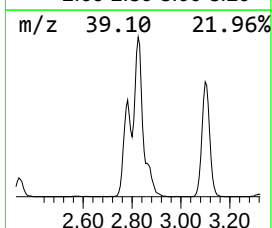
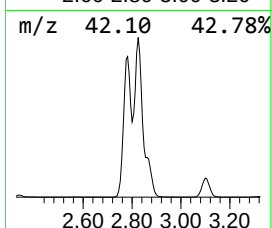
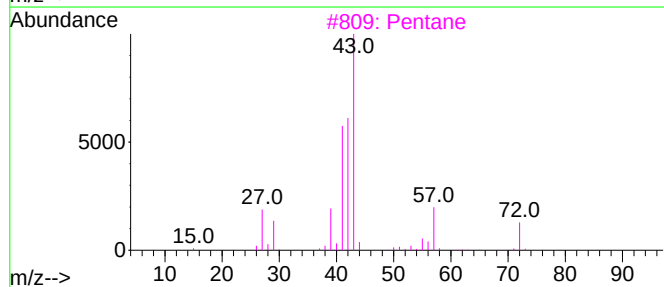
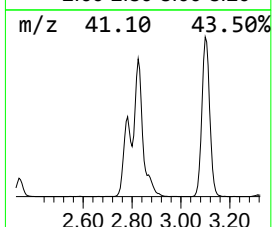
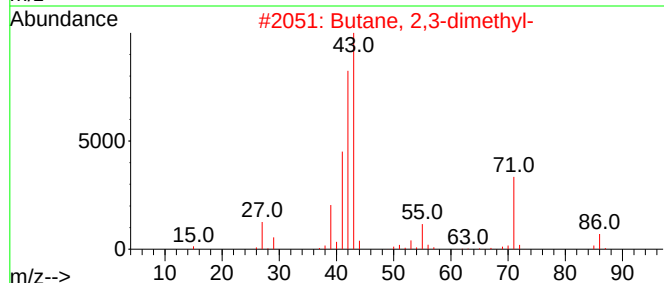
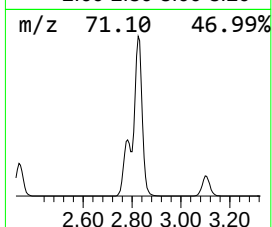
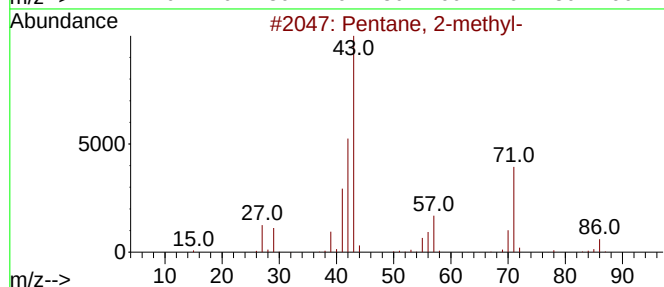
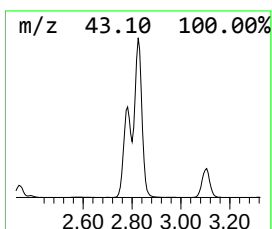
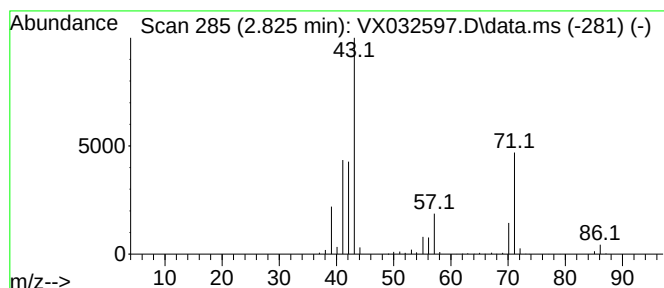
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Quant Title : SW846 8260

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

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Peak Number 3 Pentane, 2-methyl- Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD   | R.T.  |
|-------|-------------|---------|--------------------|-------|
| 2.825 | 167.36 ug/l | 1204120 | Pentafluorobenzene | 5.556 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentane, 2-methyl-          | 86  | C6H14   | 000107-83-5 | 91   |
| 2    |    |   | Butane, 2,3-dimethyl-       | 86  | C6H14   | 000079-29-8 | 47   |
| 3    |    |   | Pentane                     | 72  | C5H12   | 000109-66-0 | 46   |
| 4    |    |   | 1-Butanol, 2,3-dimethyl-    | 102 | C6H14O  | 019550-30-2 | 38   |
| 5    |    |   | Furan, tetrahydro-2-methyl- | 86  | C5H10O  | 000096-47-9 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110422\  
Data File : VX032597.D  
Acq On : 05 Nov 2022 02:03  
Operator : JC/MD  
Sample : N5486-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
LB-3R

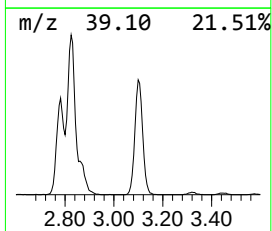
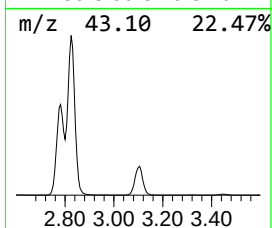
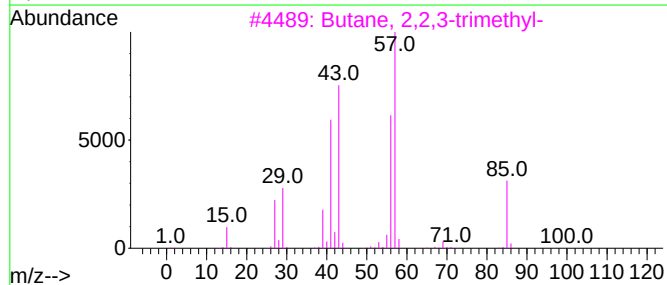
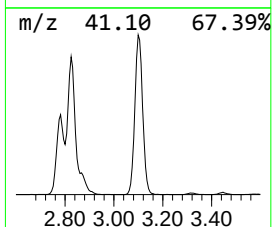
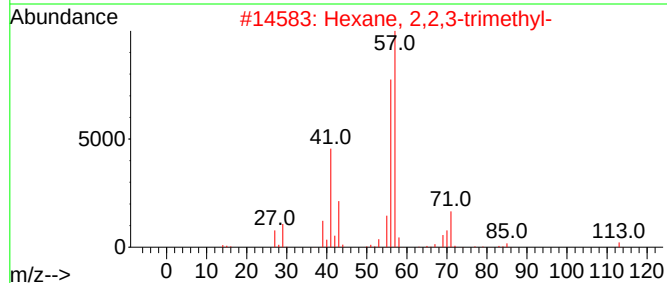
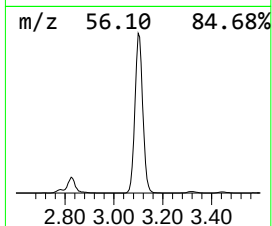
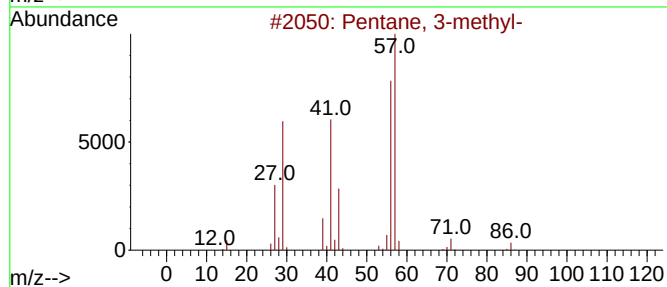
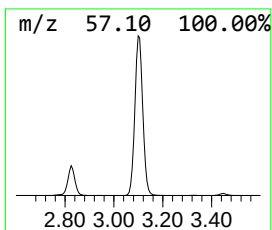
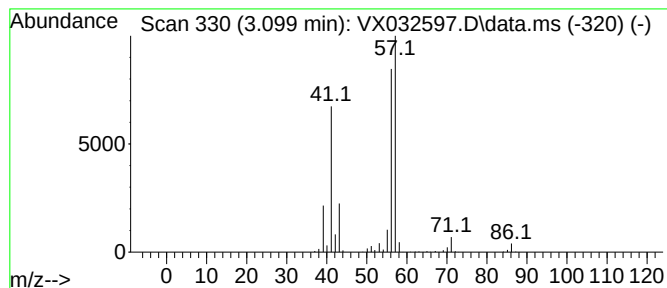
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Quant Title : SW846 8260

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

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Peak Number 4 Pentane, 3-methyl- Concentration Rank 3

| R.T.  | EstConc     | Area   | Relative to ISTD   | R.T.  |
|-------|-------------|--------|--------------------|-------|
| 3.099 | 135.41 ug/l | 974259 | Pentafluorobenzene | 5.556 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentane, 3-methyl-                 | 86  | C6H14   | 000096-14-0 | 90   |
| 2    |    |   | Hexane, 2,2,3-trimethyl-           | 128 | C9H20   | 016747-25-4 | 83   |
| 3    |    |   | Butane, 2,2,3-trimethyl-           | 100 | C7H16   | 000464-06-2 | 64   |
| 4    |    |   | 3,4-Dimethyldihydrofuran-2,5-dione | 128 | C6H8O3  | 007475-92-5 | 53   |
| 5    |    |   | Hexane, 3,4-dimethyl-              | 114 | C8H18   | 000583-48-2 | 43   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110422\  
Data File : VX032597.D  
Acq On : 05 Nov 2022 02:03  
Operator : JC/MD  
Sample : N5486-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
LB-3R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
Quant Title : SW846 8260

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

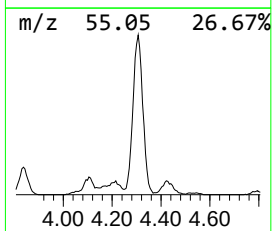
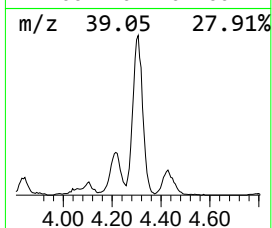
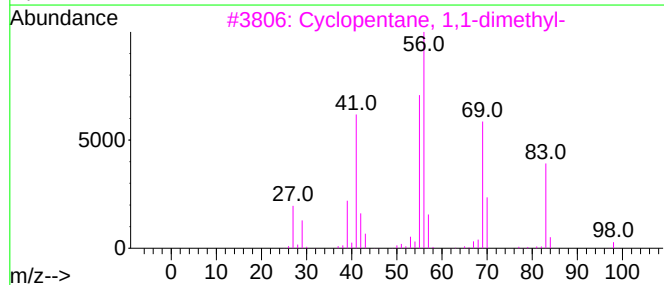
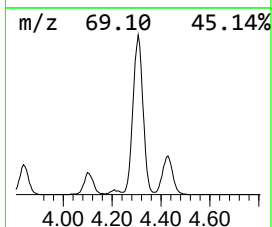
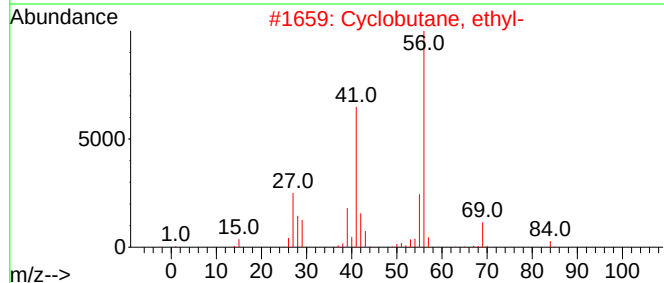
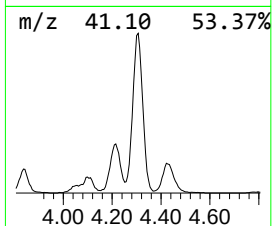
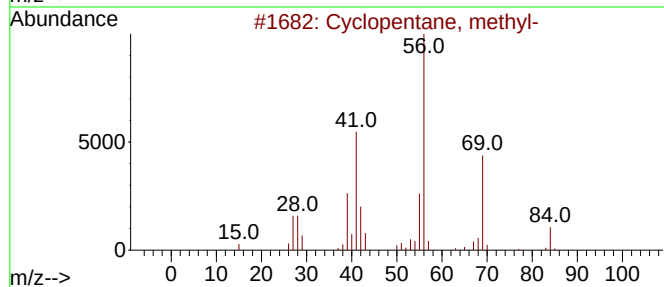
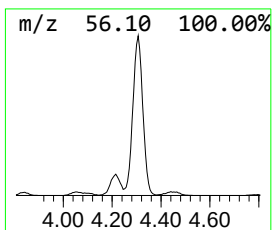
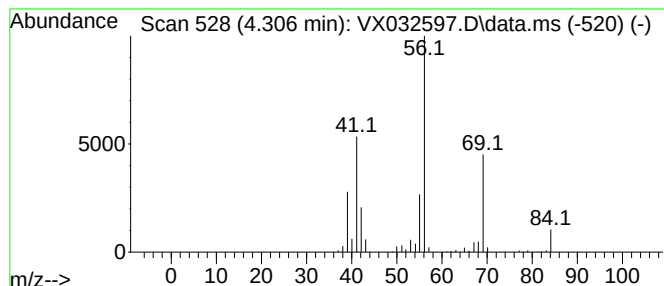
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Peak Number 5 Cyclopentane, methyl- Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 4.306 | 93.92 ug/l | 675717 | Pentafluorobenzene | 5.556 |

| Hit# | of 5 | Tentative ID                | MW | MolForm | CAS#        | Qual |
|------|------|-----------------------------|----|---------|-------------|------|
| 1    |      | Cyclopentane, methyl-       | 84 | C6H12   | 000096-37-7 | 91   |
| 2    |      | Cyclobutane, ethyl-         | 84 | C6H12   | 004806-61-5 | 72   |
| 3    |      | Cyclopentane, 1,1-dimethyl- | 98 | C7H14   | 001638-26-2 | 72   |
| 4    |      | 1H-Tetrazole, 5-methyl-     | 84 | C2H4N4  | 004076-36-2 | 56   |
| 5    |      | Cyclobutane                 | 56 | C4H8    | 000287-23-0 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110422\  
Data File : VX032597.D  
Acq On : 05 Nov 2022 02:03  
Operator : JC/MD  
Sample : N5486-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
LB-3R

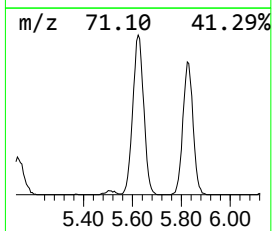
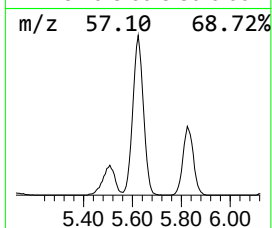
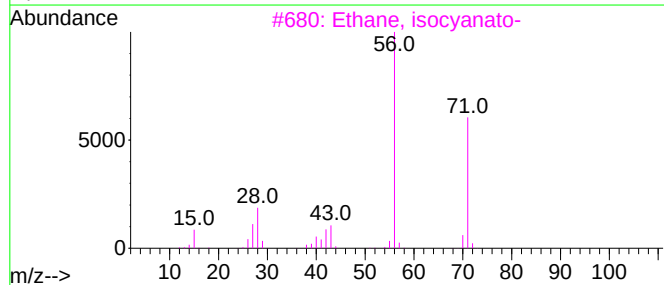
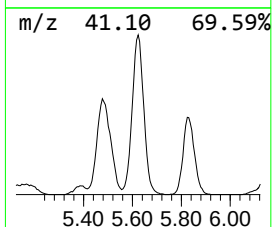
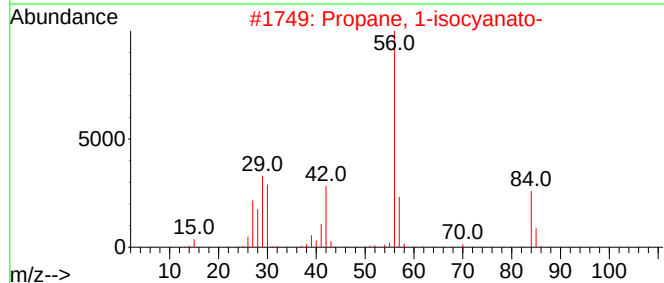
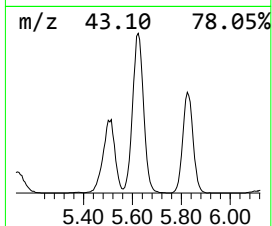
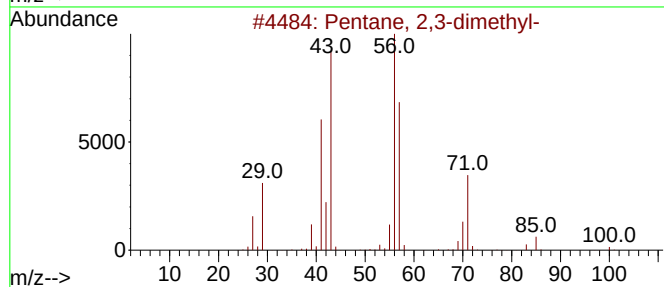
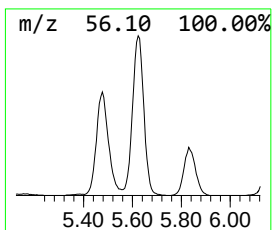
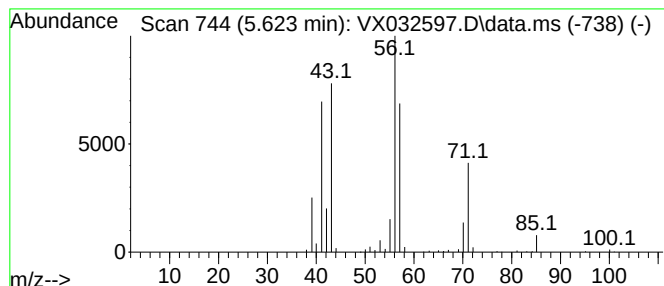
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Quant Title : SW846 8260

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

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Peak Number 6 Pentane, 2,3-dimethyl- Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 5.623 | 93.89 ug/l | 675539 | Pentafluorobenzene | 5.556 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentane, 2,3-dimethyl-   | 100 | C7H16   | 000565-59-3 | 91   |
| 2    |    |   | Propane, 1-isocyanato-   | 85  | C4H7NO  | 000110-78-1 | 43   |
| 3    |    |   | Ethane, isocyanato-      | 71  | C3H5NO  | 000109-90-0 | 42   |
| 4    |    |   | Heptane                  | 100 | C7H16   | 000142-82-5 | 38   |
| 5    |    |   | Hexane, 2,2,4-trimethyl- | 128 | C9H20   | 016747-26-5 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110422\  
Data File : VX032597.D  
Acq On : 05 Nov 2022 02:03  
Operator : JC/MD  
Sample : N5486-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
Quant Title : SW846 8260

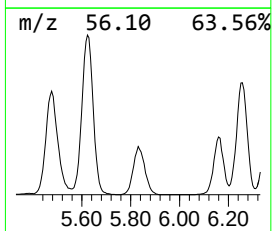
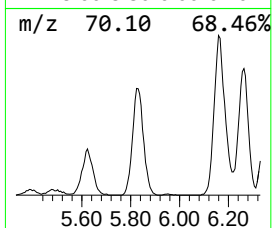
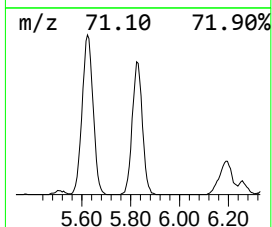
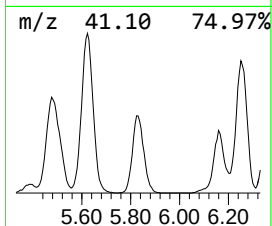
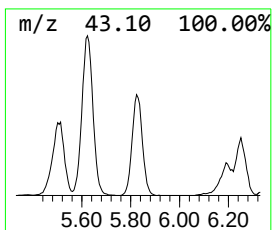
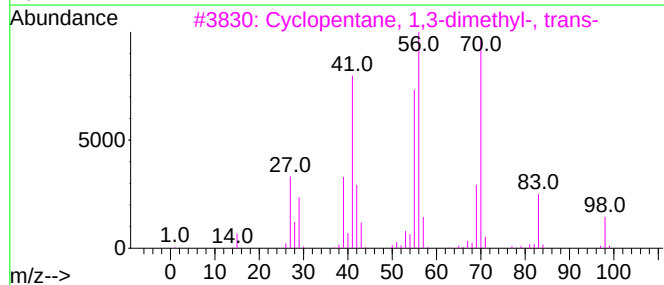
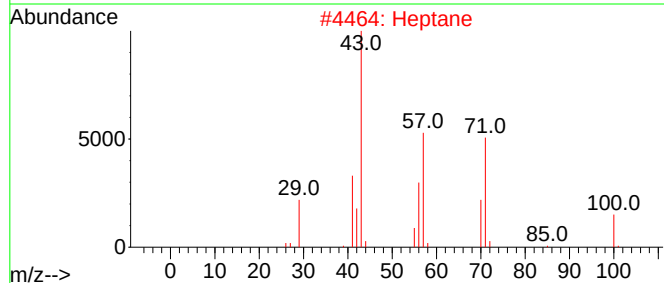
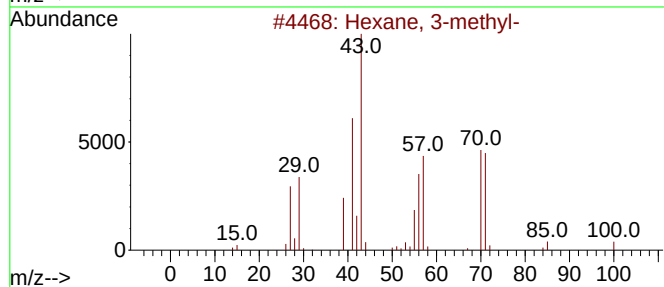
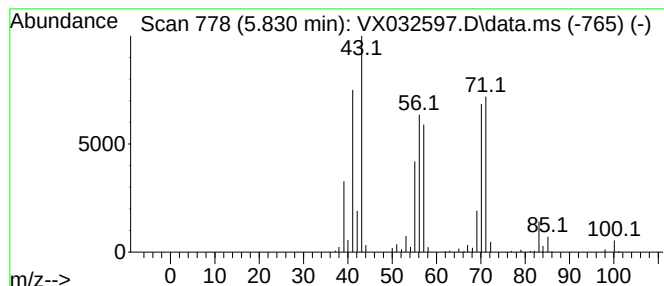
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Hexane, 3-methyl- Concentration Rank 13

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 5.830 | 56.76 ug/l | 408367 | Pentafluorobenzene | 5.556 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Hexane, 3-methyl-                   | 100 | C7H16   | 000589-34-4 | 90   |
| 2    |    |   | Heptane                             | 100 | C7H16   | 000142-82-5 | 52   |
| 3    |    |   | Cyclopentane, 1,3-dimethyl-, trans- | 98  | C7H14   | 001759-58-6 | 50   |
| 4    |    |   | Cyclopentane, 1,2-dimethyl-, cis-   | 98  | C7H14   | 001192-18-3 | 50   |
| 5    |    |   | 3,3-Dimethyl-2-pentanol             | 116 | C7H16O  | 019781-24-9 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110422\  
Data File : VX032597.D  
Acq On : 05 Nov 2022 02:03  
Operator : JC/MD  
Sample : N5486-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
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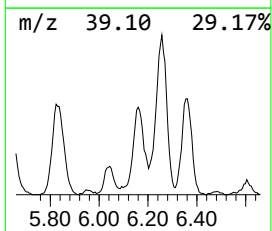
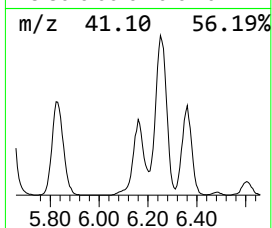
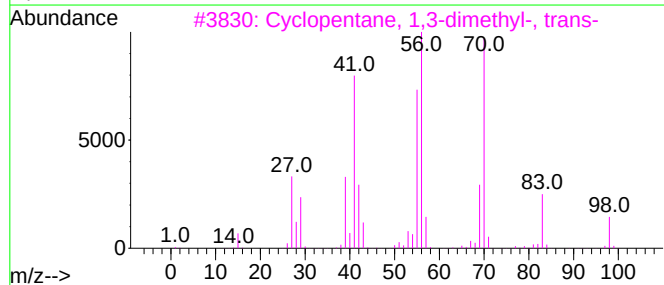
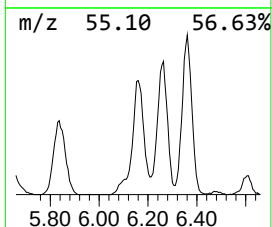
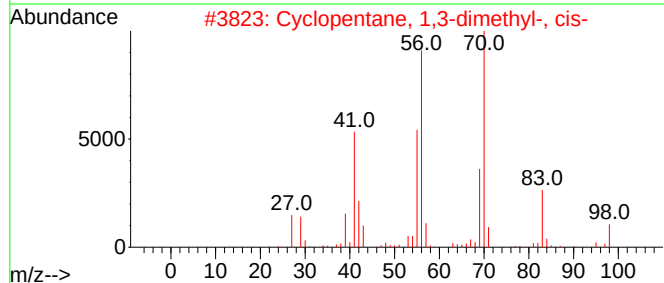
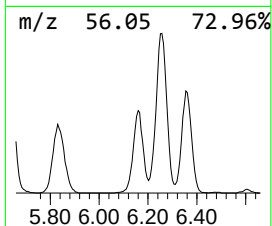
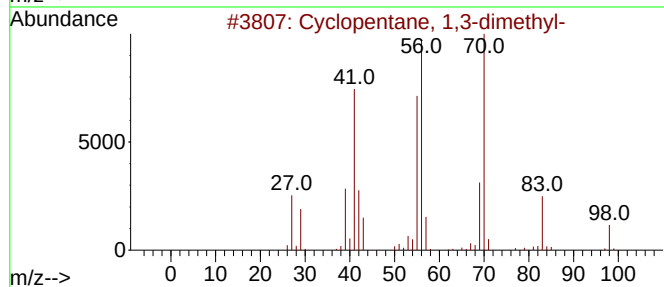
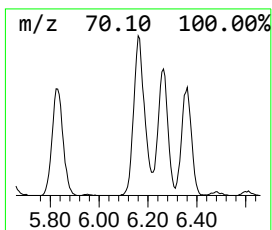
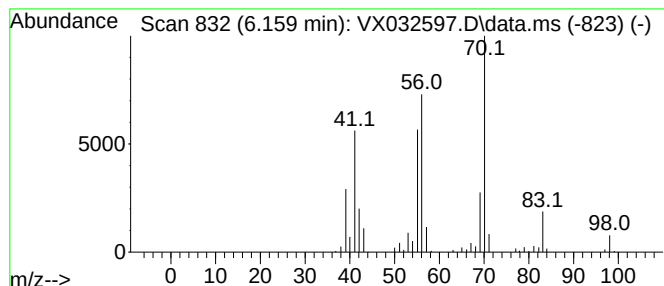
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Quant Title : SW846 8260

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

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Peak Number 8 Cyclopentane, 1,3-dimethyl- Concentration Rank 15

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 6.159 | 46.63 ug/l | 335489 | Pentafluorobenzene | 5.556 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclopentane, 1,3-dimethyl-         | 98  | C7H14   | 002453-00-1 | 94   |
| 2    |    |   | Cyclopentane, 1,3-dimethyl-, cis-   | 98  | C7H14   | 002532-58-3 | 91   |
| 3    |    |   | Cyclopentane, 1,3-dimethyl-, trans- | 98  | C7H14   | 001759-58-6 | 91   |
| 4    |    |   | 2H-Pyran-2,6(3H)-dione, dihydro-... | 142 | C7H10O3 | 004160-82-1 | 78   |
| 5    |    |   | Cyclopentane, 1,2-dimethyl-, cis-   | 98  | C7H14   | 001192-18-3 | 58   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110422\  
Data File : VX032597.D  
Acq On : 05 Nov 2022 02:03  
Operator : JC/MD  
Sample : N5486-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
LB-3R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
Quant Title : SW846 8260

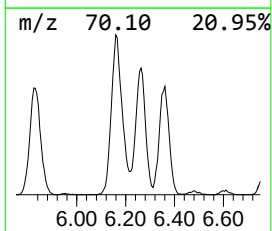
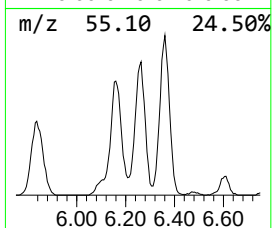
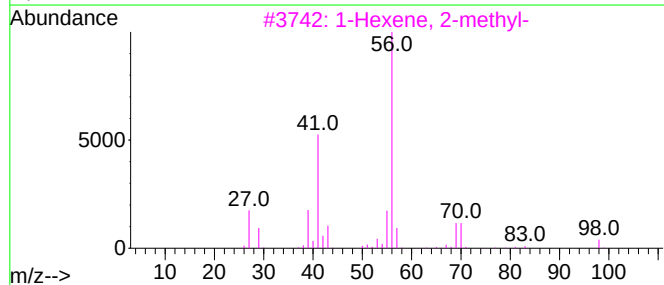
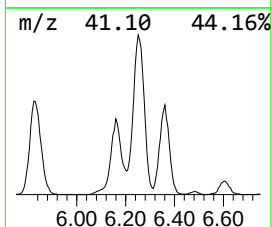
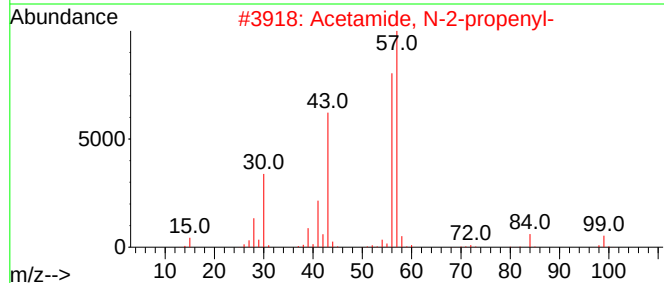
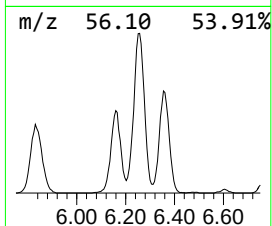
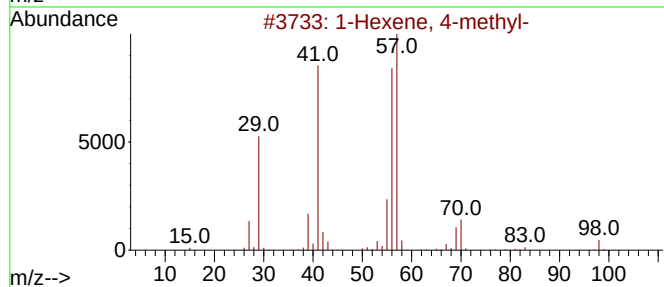
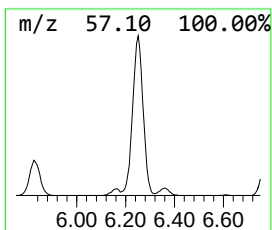
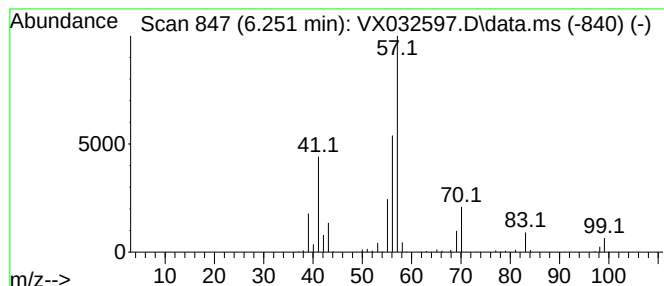
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 1-Hexene, 4-methyl- Concentration Rank 12

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 6.251 | 57.71 ug/l | 630399 | 1,4-Difluorobenzene | 6.763 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Hexene, 4-methyl-      | 98  | C7H14   | 003769-23-1 | 50   |
| 2    |    |   | Acetamide, N-2-propenyl- | 99  | C5H9NO  | 000692-33-1 | 47   |
| 3    |    |   | 1-Hexene, 2-methyl-      | 98  | C7H14   | 006094-02-6 | 43   |
| 4    |    |   | Hexane, 2,2-dimethyl-    | 114 | C8H18   | 000590-73-8 | 40   |
| 5    |    |   | 4-Bromoheptane           | 178 | C7H15Br | 000998-93-6 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110422\  
Data File : VX032597.D  
Acq On : 05 Nov 2022 02:03  
Operator : JC/MD  
Sample : N5486-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
LB-3R

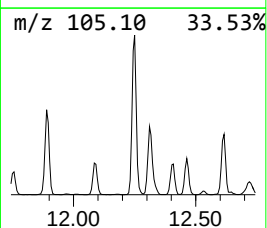
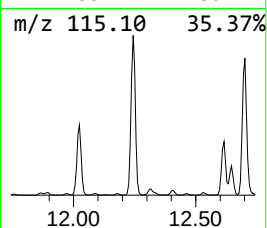
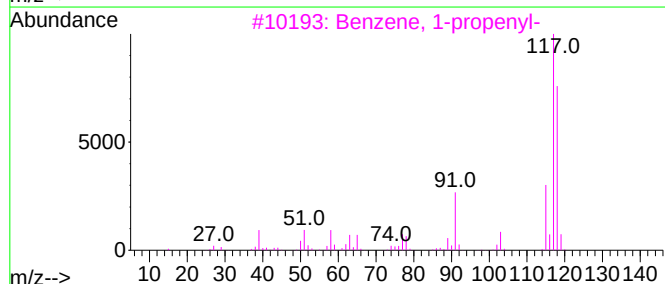
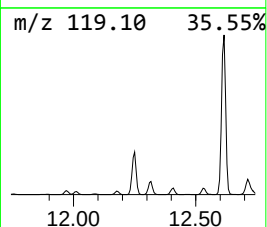
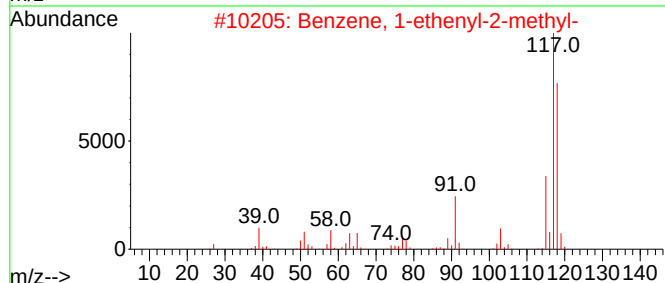
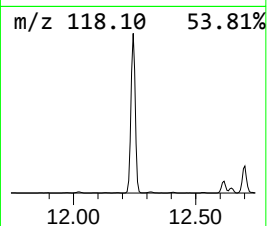
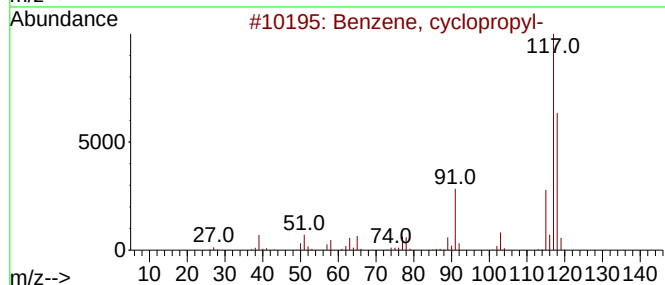
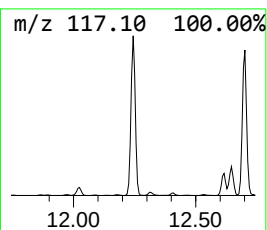
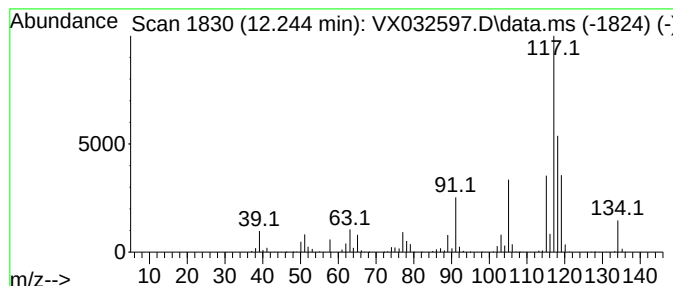
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Quant Title : SW846 8260

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

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Peak Number 10 Benzene, cyclopropyl- Concentration Rank 2

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 12.244 | 139.13 ug/l | 1637080 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, cyclopropyl-        | 118 | C9H10   | 000873-49-4 | 91   |
| 2    |    |   | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10   | 000611-15-4 | 64   |
| 3    |    |   | Benzene, 1-propenyl-         | 118 | C9H10   | 000637-50-3 | 64   |
| 4    |    |   | Benzene, 2-propenyl-         | 118 | C9H10   | 000300-57-2 | 64   |
| 5    |    |   | Indane                       | 118 | C9H10   | 000496-11-7 | 60   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110422\  
Data File : VX032597.D  
Acq On : 05 Nov 2022 02:03  
Operator : JC/MD  
Sample : N5486-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
LB-3R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
Quant Title : SW846 8260

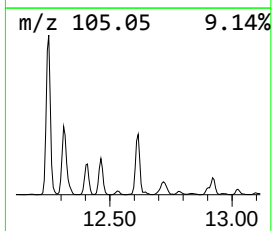
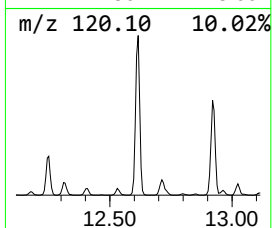
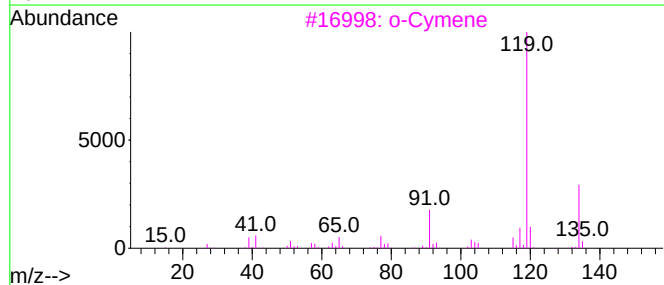
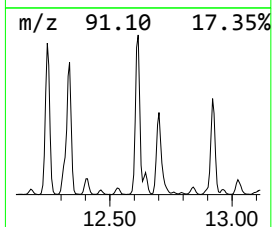
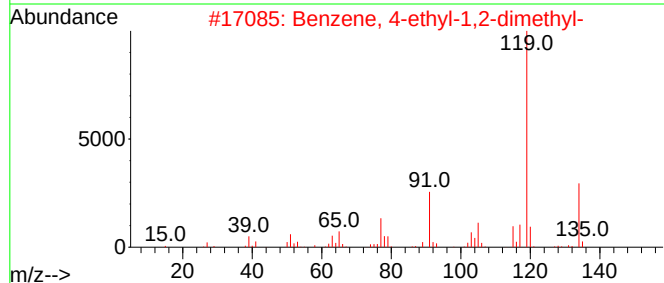
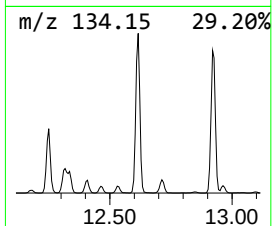
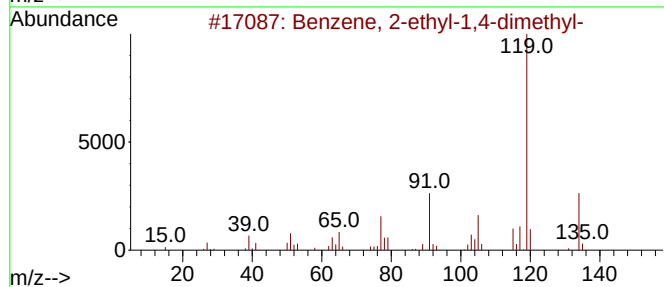
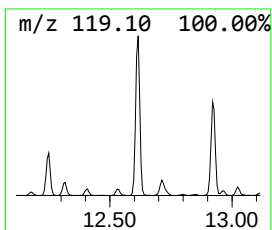
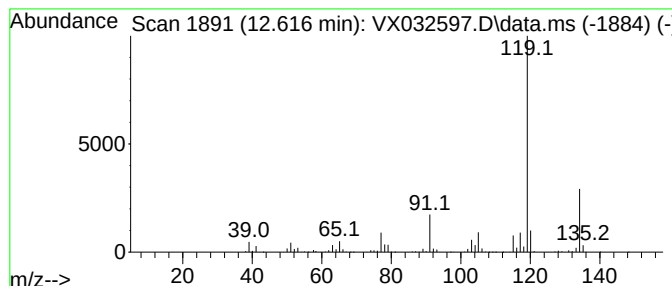
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 4

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 12.616 | 124.42 ug/l | 1463980 | 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-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 95   |
| 5    |    |   | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 94   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110422\  
Data File : VX032597.D  
Acq On : 05 Nov 2022 02:03  
Operator : JC/MD  
Sample : N5486-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
LB-3R

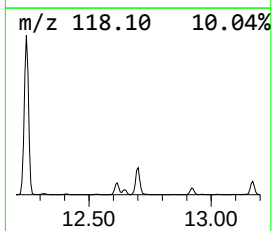
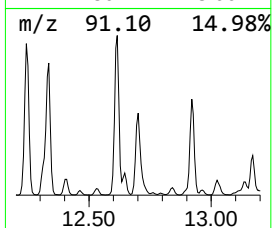
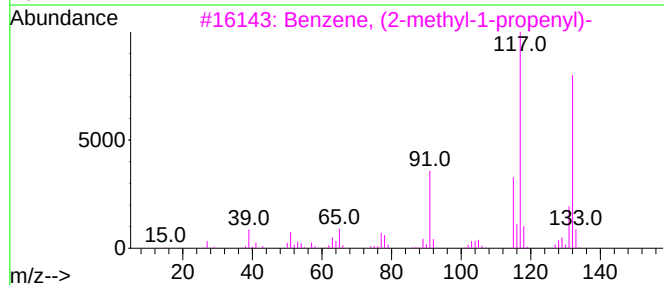
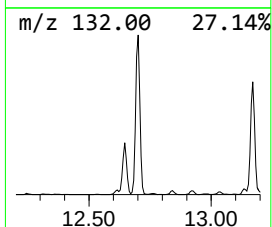
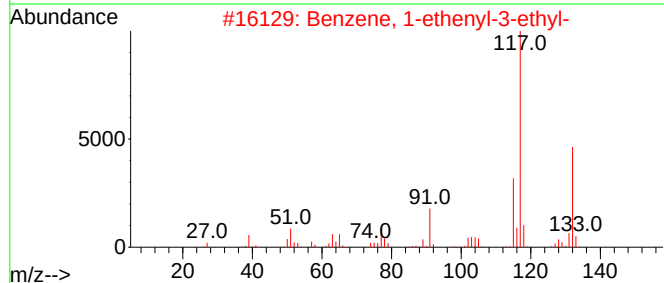
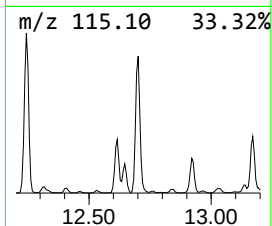
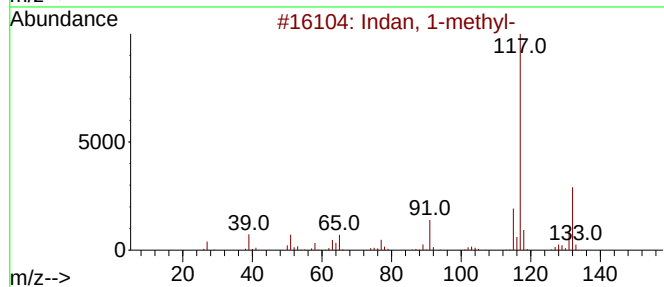
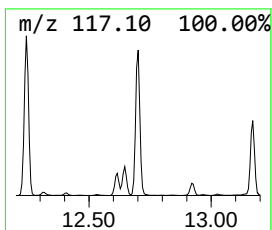
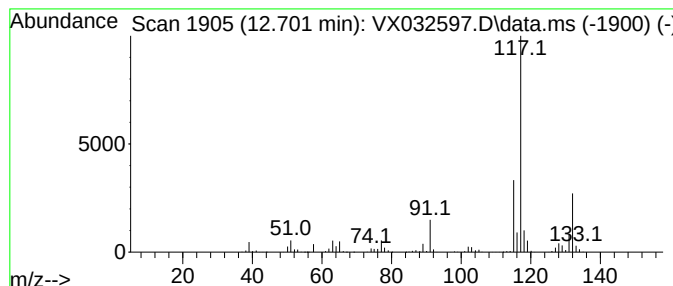
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Quant Title : SW846 8260

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

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Peak Number 12 Indan, 1-methyl- Concentration Rank 8

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 12.701 | 92.79 ug/l | 1091800 | 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-3-ethyl-         | 132 | C10H12  | 007525-62-4 | 91   |
| 3    |    |   | Benzene, (2-methyl-1-propenyl)-     | 132 | C10H12  | 000768-49-0 | 90   |
| 4    |    |   | Benzene, 1-ethenyl-4-ethyl-         | 132 | C10H12  | 003454-07-7 | 86   |
| 5    |    |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 83   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110422\  
Data File : VX032597.D  
Acq On : 05 Nov 2022 02:03  
Operator : JC/MD  
Sample : N5486-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
LB-3R

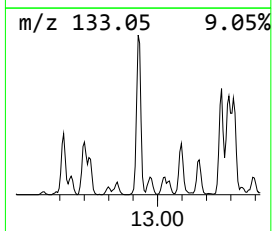
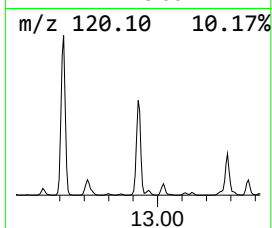
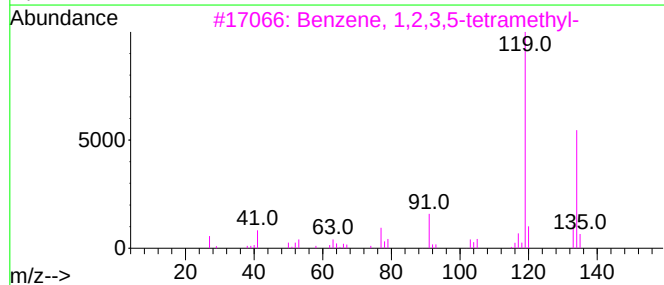
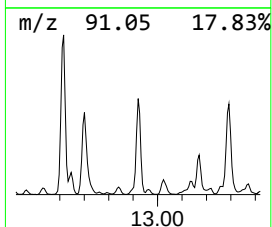
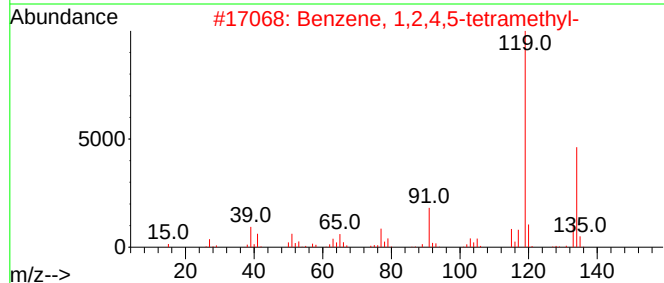
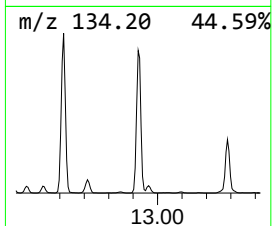
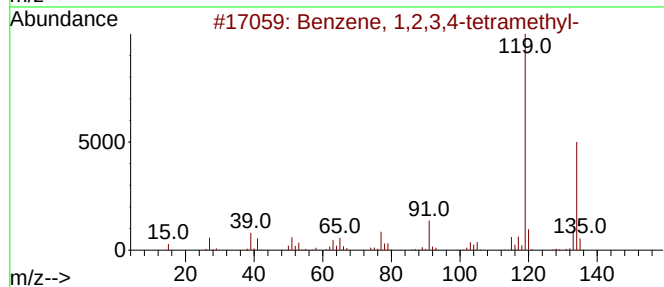
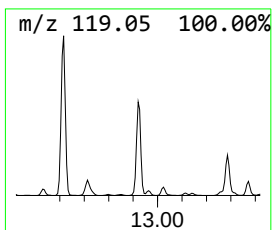
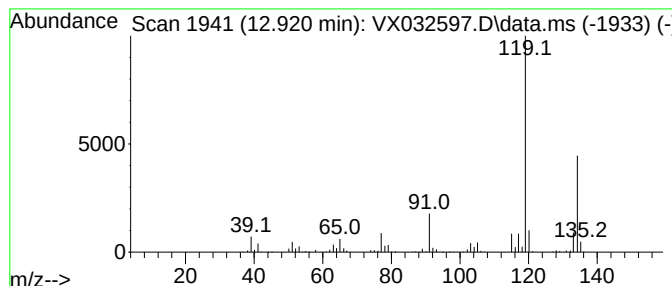
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Quant Title : SW846 8260

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

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Peak Number 13 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 10

| R.T.      | EstConc                             | Area   | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|--------|------------------------|-------------|------|
| 12.920    | 81.76 ug/l                          | 962037 | 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 | 96   |
| 3         | Benzene, 1,2,3,5-tetramethyl-       | 134    | C10H14                 | 000527-53-7 | 95   |
| 4         | o-Cymene                            | 134    | C10H14                 | 000527-84-4 | 95   |
| 5         | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134    | C10H14                 | 076089-59-3 | 94   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110422\  
Data File : VX032597.D  
Acq On : 05 Nov 2022 02:03  
Operator : JC/MD  
Sample : N5486-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
LB-3R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
Quant Title : SW846 8260

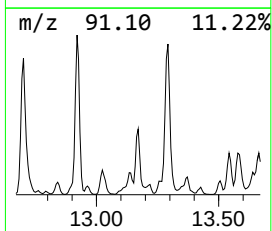
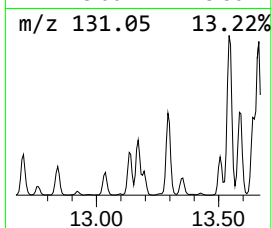
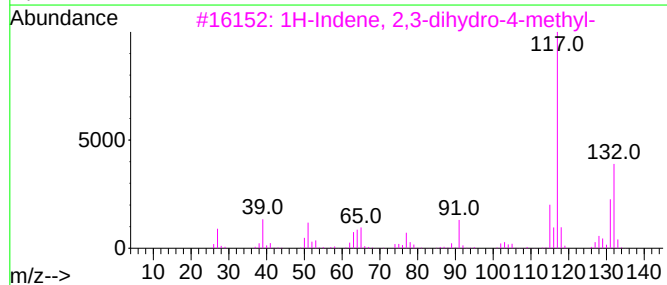
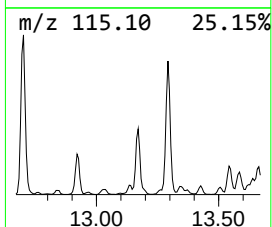
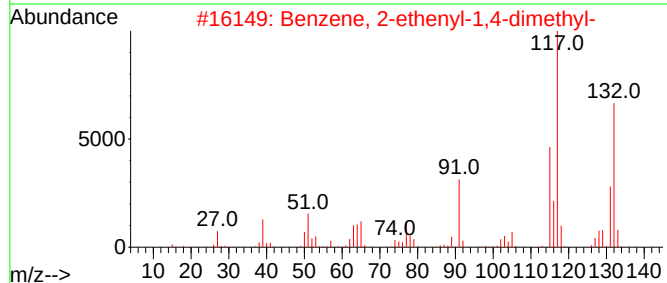
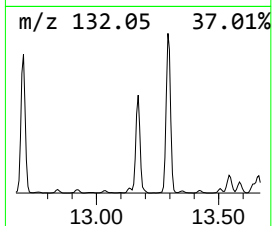
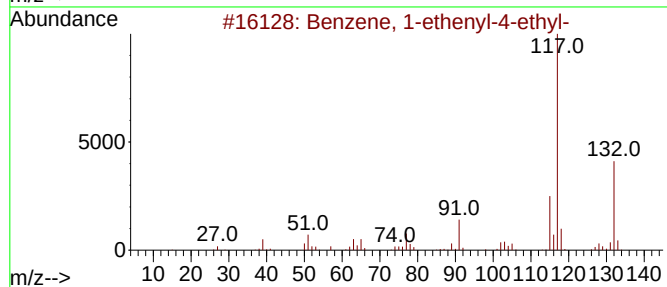
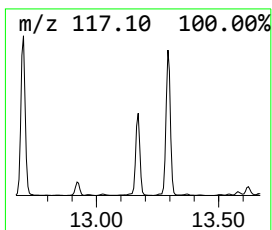
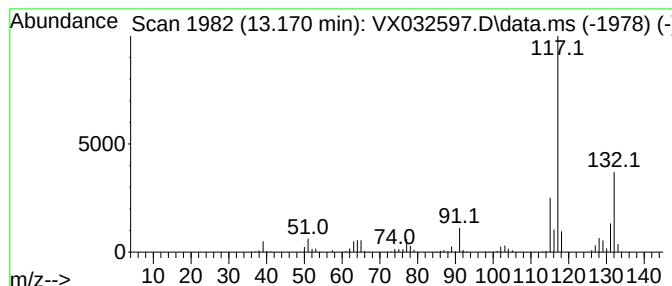
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 14

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.170 | 49.95 ug/l | 587777 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethenyl-4-ethyl-      | 132 | C10H12  | 003454-07-7 | 94   |
| 2    |    |   | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 91   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 90   |
| 4    |    |   | Indan, 1-methyl-                 | 132 | C10H12  | 000767-58-8 | 90   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-2-methyl- | 132 | C10H12  | 000824-63-5 | 87   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110422\  
Data File : VX032597.D  
Acq On : 05 Nov 2022 02:03  
Operator : JC/MD  
Sample : N5486-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
LB-3R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
Quant Title : SW846 8260

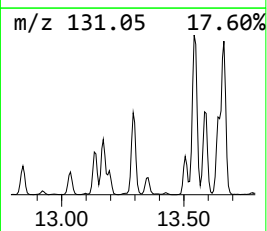
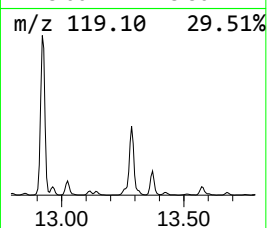
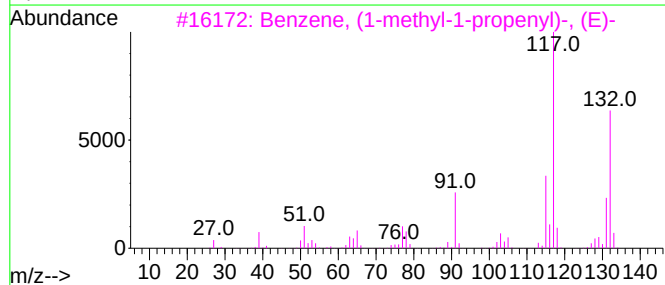
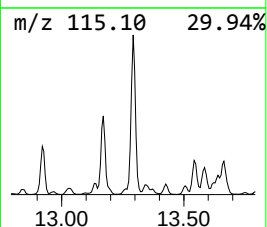
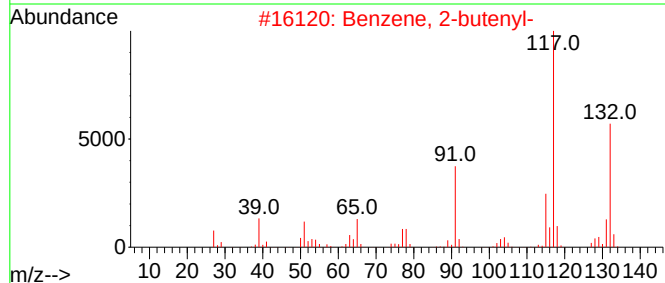
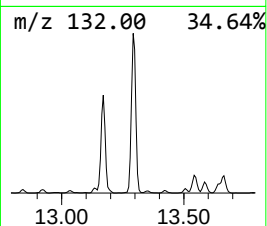
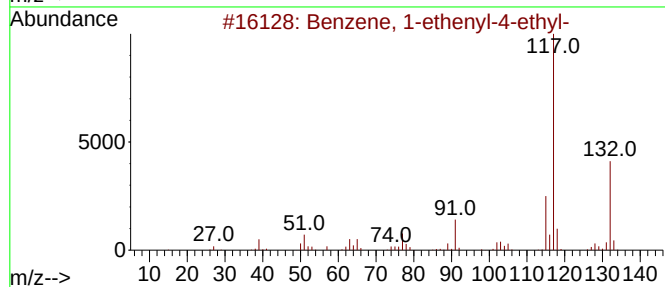
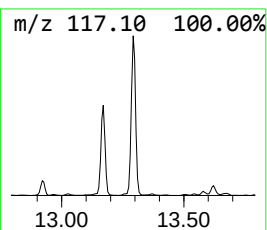
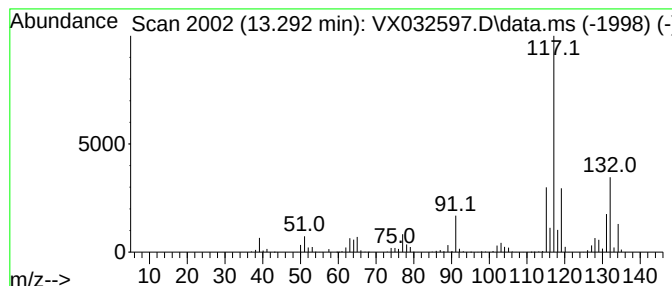
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 Benzene, 2-butenyl- Concentration Rank 5

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 13.292 | 108.97 ug/l | 1282250 | 1,4-Dichlorobenzene-d4 | 12.024 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethenyl-4-ethyl-         | 132 | C10H12  | 003454-07-7 | 89   |
| 2    |    |   | Benzene, 2-butenyl-                 | 132 | C10H12  | 001560-06-1 | 81   |
| 3    |    |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 81   |
| 4    |    |   | 3-Phenylbut-1-ene                   | 132 | C10H12  | 000934-10-1 | 81   |
| 5    |    |   | Benzene, 2-ethenyl-1,4-dimethyl-    | 132 | C10H12  | 002039-89-6 | 78   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110422\  
Data File : VX032597.D  
Acq On : 05 Nov 2022 02:03  
Operator : JC/MD  
Sample : N5486-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
LB-3R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.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  | 76.7    | ug/l  | 551966   | 1                     | 5.556  | 359732 | 50.0 |
| Butane, 2,3-dim... | 2.782  | 87.3    | ug/l  | 628076   | 1                     | 5.556  | 359732 | 50.0 |
| Pentane, 2-methyl- | 2.825  | 167.4   | ug/l  | 1204120  | 1                     | 5.556  | 359732 | 50.0 |
| Pentane, 3-methyl- | 3.099  | 135.4   | ug/l  | 974259   | 1                     | 5.556  | 359732 | 50.0 |
| Cyclopentane, m... | 4.306  | 93.9    | ug/l  | 675717   | 1                     | 5.556  | 359732 | 50.0 |
| Pentane, 2,3-di... | 5.623  | 93.9    | ug/l  | 675539   | 1                     | 5.556  | 359732 | 50.0 |
| Hexane, 3-methyl-  | 5.830  | 56.8    | ug/l  | 408367   | 1                     | 5.556  | 359732 | 50.0 |
| Cyclopentane, 1... | 6.159  | 46.6    | ug/l  | 335489   | 1                     | 5.556  | 359732 | 50.0 |
| 1-Hexene, 4-met... | 6.251  | 57.7    | ug/l  | 630399   | 2                     | 6.763  | 546163 | 50.0 |
| Benzene, cyclop... | 12.244 | 139.1   | ug/l  | 1637080  | 4                     | 12.024 | 588345 | 50.0 |
| Benzene, 2-ethy... | 12.616 | 124.4   | ug/l  | 1463980  | 4                     | 12.024 | 588345 | 50.0 |
| Indan, 1-methyl-   | 12.701 | 92.8    | ug/l  | 1091800  | 4                     | 12.024 | 588345 | 50.0 |
| Benzene, 1,2,3...  | 12.920 | 81.8    | ug/l  | 962037   | 4                     | 12.024 | 588345 | 50.0 |
| Benzene, 1-ethe... | 13.170 | 50.0    | ug/l  | 587777   | 4                     | 12.024 | 588345 | 50.0 |
| Benzene, 2-bute... | 13.292 | 109.0   | ug/l  | 1282250  | 4                     | 12.024 | 588345 | 50.0 |