

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021919\  
 Data File : VX007611.D  
 Acq On : 19 Feb 2019 14:17  
 Operator : JC/SP  
 Sample : K1528-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M

Title : SW846 8260

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.794       | 99            | 105         | 118          | rBV      | 6129809        | 8993551       | 30.68%          | 2.530%        |
| 2         | 2.001       | 133           | 139         | 154          | rBV      | 6075948        | 8622303       | 29.42%          | 2.426%        |
| 3         | 2.397       | 194           | 204         | 216          | rBV      | 573212         | 1166654       | 3.98%           | 0.328%        |
| 4         | 2.849       | 270           | 278         | 280          | rBV      | 1804070        | 3662150       | 12.49%          | 1.030%        |
| 5         | 2.891       | 280           | 285         | 296          | rVB      | 8019763        | 16081475      | 54.87%          | 4.525%        |
| 6         | 3.172       | 320           | 331         | 347          | rBV      | 5142505        | 11403011      | 38.91%          | 3.208%        |
| 7         | 3.397       | 359           | 368         | 378          | rBV2     | 199564         | 505403        | 1.72%           | 0.142%        |
| 8         | 3.519       | 378           | 388         | 404          | rVB      | 3737212        | 8374676       | 28.57%          | 2.356%        |
| 9         | 3.665       | 404           | 412         | 418          | rBV2     | 170330         | 405659        | 1.38%           | 0.114%        |
| 10        | 3.751       | 418           | 426         | 431          | rVV      | 345008         | 848406        | 2.89%           | 0.239%        |
| 11        | 3.812       | 431           | 436         | 446          | rVB      | 280607         | 668291        | 2.28%           | 0.188%        |
| 12        | 4.196       | 493           | 499         | 507          | rVV2     | 220961         | 609430        | 2.08%           | 0.171%        |
| 13        | 4.306       | 507           | 517         | 523          | rVV      | 236096         | 736211        | 2.51%           | 0.207%        |
| 14        | 4.403       | 523           | 533         | 547          | rVV      | 3581908        | 10532563      | 35.94%          | 2.963%        |
| 15        | 5.244       | 652           | 671         | 689          | rBV7     | 151903         | 957553        | 3.27%           | 0.269%        |
| 16        | 5.501       | 696           | 713         | 718          | rBV3     | 362805         | 1319234       | 4.50%           | 0.371%        |
| 17        | 5.598       | 718           | 729         | 737          | rBV3     | 1134580        | 4369682       | 14.91%          | 1.229%        |
| 18        | 5.720       | 746           | 749         | 769          | rVB2     | 740517         | 2401063       | 8.19%           | 0.676%        |
| 19        | 5.927       | 771           | 783         | 797          | rBV3     | 1443840        | 4385011       | 14.96%          | 1.234%        |
| 20        | 6.067       | 797           | 806         | 819          | rVB      | 268540         | 697176        | 2.38%           | 0.196%        |
| 21        | 6.256       | 819           | 837         | 846          | rBV2     | 1073810        | 3499151       | 11.94%          | 0.985%        |
| 22        | 6.360       | 846           | 854         | 862          | rVV2     | 989852         | 2738638       | 9.34%           | 0.771%        |
| 23        | 6.458       | 862           | 870         | 880          | rVV2     | 1008218        | 2843001       | 9.70%           | 0.800%        |
| 24        | 6.702       | 897           | 910         | 917          | rBV2     | 829623         | 2055018       | 7.01%           | 0.578%        |
| 25        | 6.775       | 917           | 922         | 929          | rVV      | 247893         | 571474        | 1.95%           | 0.161%        |
| 26        | 6.860       | 929           | 936         | 940          | rVV      | 711137         | 1743207       | 5.95%           | 0.490%        |
| 27        | 6.939       | 941           | 949         | 956          | rVV3     | 1303364        | 4430661       | 15.12%          | 1.247%        |
| 28        | 7.006       | 956           | 960         | 965          | rVV      | 217654         | 461106        | 1.57%           | 0.130%        |
| 29        | 7.147       | 976           | 983         | 990          | rVV      | 417493         | 869301        | 2.97%           | 0.245%        |
| 30        | 7.256       | 990           | 1001        | 1010         | rVB3     | 680048         | 1594944       | 5.44%           | 0.449%        |
| 31        | 7.464       | 1022          | 1035        | 1046         | rBV2     | 4021520        | 10132673      | 34.57%          | 2.851%        |
| 32        | 7.732       | 1072          | 1079        | 1088         | rVB      | 835293         | 1619358       | 5.52%           | 0.456%        |
| 33        | 7.848       | 1091          | 1098        | 1105         | rVB      | 196528         | 394788        | 1.35%           | 0.111%        |
| 34        | 7.957       | 1105          | 1116        | 1122         | rBV4     | 131097         | 448816        | 1.53%           | 0.126%        |

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 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
 Title : SW846 8260

|    |        |      |      |      |      |          |          |         |        |
|----|--------|------|------|------|------|----------|----------|---------|--------|
| 35 | 8.171  | 1144 | 1151 | 1153 | rBV2 | 242961   | 438505   | 1.50%   | 0.123% |
| 36 | 8.213  | 1153 | 1158 | 1162 | rVV  | 980783   | 1727445  | 5.89%   | 0.486% |
| 37 | 8.262  | 1162 | 1166 | 1175 | rVB2 | 324522   | 707159   | 2.41%   | 0.199% |
| 38 | 8.372  | 1180 | 1184 | 1193 | rVB3 | 300770   | 620416   | 2.12%   | 0.175% |
| 39 | 8.573  | 1209 | 1217 | 1226 | rVB4 | 425376   | 940948   | 3.21%   | 0.265% |
| 40 | 8.665  | 1226 | 1232 | 1235 | rBV2 | 419967   | 766101   | 2.61%   | 0.216% |
| 41 | 8.713  | 1235 | 1240 | 1248 | rVB  | 1596185  | 2656043  | 9.06%   | 0.747% |
| 42 | 8.835  | 1249 | 1260 | 1264 | rBV7 | 230300   | 573823   | 1.96%   | 0.161% |
| 43 | 8.884  | 1264 | 1268 | 1277 | rVB3 | 207053   | 448162   | 1.53%   | 0.126% |
| 44 | 8.982  | 1277 | 1284 | 1290 | rBV4 | 433180   | 880154   | 3.00%   | 0.248% |
| 45 | 9.043  | 1290 | 1294 | 1299 | rBV3 | 179163   | 402681   | 1.37%   | 0.113% |
| 46 | 9.164  | 1310 | 1314 | 1319 | rVB  | 360693   | 538448   | 1.84%   | 0.151% |
| 47 | 9.219  | 1319 | 1323 | 1329 | rVB2 | 870508   | 1273687  | 4.35%   | 0.358% |
| 48 | 9.335  | 1334 | 1342 | 1346 | rVB2 | 348113   | 533454   | 1.82%   | 0.150% |
| 49 | 9.561  | 1375 | 1379 | 1385 | rVV3 | 310449   | 650867   | 2.22%   | 0.183% |
| 50 | 10.109 | 1464 | 1469 | 1474 | rBV  | 1473837  | 2040381  | 6.96%   | 0.574% |
| 51 | 10.353 | 1499 | 1509 | 1515 | rVB  | 761384   | 1209905  | 4.13%   | 0.340% |
| 52 | 11.018 | 1613 | 1618 | 1626 | rBV  | 1191868  | 1494612  | 5.10%   | 0.421% |
| 53 | 11.140 | 1632 | 1638 | 1642 | rBV  | 1300259  | 1739337  | 5.93%   | 0.489% |
| 54 | 11.359 | 1669 | 1674 | 1681 | rBV  | 5594530  | 6476540  | 22.10%  | 1.822% |
| 55 | 11.438 | 1681 | 1687 | 1694 | rVV  | 16242330 | 29309831 | 100.00% | 8.247% |
| 56 | 11.506 | 1694 | 1698 | 1704 | rVB  | 8690293  | 10307354 | 35.17%  | 2.900% |
| 57 | 11.664 | 1719 | 1724 | 1737 | rVB  | 4204985  | 5338302  | 18.21%  | 1.502% |
| 58 | 11.810 | 1742 | 1748 | 1753 | rVV  | 23379949 | 27255540 | 92.99%  | 7.669% |
| 59 | 11.920 | 1760 | 1766 | 1768 | rBV  | 570179   | 741697   | 2.53%   | 0.209% |
| 60 | 11.944 | 1768 | 1770 | 1775 | rVB  | 699484   | 756838   | 2.58%   | 0.213% |
| 61 | 12.024 | 1778 | 1783 | 1787 | rBV  | 1486458  | 1779293  | 6.07%   | 0.501% |
| 62 | 12.079 | 1787 | 1792 | 1797 | rVV2 | 1958773  | 2902074  | 9.90%   | 0.817% |
| 63 | 12.140 | 1797 | 1802 | 1807 | rVB  | 3305792  | 3982308  | 13.59%  | 1.120% |
| 64 | 12.304 | 1823 | 1829 | 1830 | rBV2 | 4023704  | 5247686  | 17.90%  | 1.477% |
| 65 | 12.322 | 1830 | 1832 | 1836 | rVV  | 6313469  | 6702513  | 22.87%  | 1.886% |
| 66 | 12.371 | 1836 | 1840 | 1848 | rVB3 | 9712676  | 14201317 | 48.45%  | 3.996% |
| 67 | 12.457 | 1848 | 1854 | 1859 | rVB  | 579803   | 743621   | 2.54%   | 0.209% |
| 68 | 12.518 | 1859 | 1864 | 1870 | rVB  | 2301698  | 2706749  | 9.23%   | 0.762% |
| 69 | 12.585 | 1870 | 1875 | 1877 | rBV  | 5264494  | 6383387  | 21.78%  | 1.796% |
| 70 | 12.609 | 1877 | 1879 | 1884 | rVB  | 4939010  | 5309835  | 18.12%  | 1.494% |
| 71 | 12.670 | 1884 | 1889 | 1892 | rBV  | 8433358  | 10029288 | 34.22%  | 2.822% |

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 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2

## 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\82X020119W.M  
 Title : SW846 8260

|     |        |      |      |      |      |         |          |        |        |
|-----|--------|------|------|------|------|---------|----------|--------|--------|
| 72  | 12.700 | 1892 | 1894 | 1898 | rVB  | 1928866 | 2030107  | 6.93%  | 0.571% |
| 73  | 12.755 | 1898 | 1903 | 1911 | rBV2 | 5231856 | 7242897  | 24.71% | 2.038% |
| 74  | 12.902 | 1922 | 1927 | 1932 | rVB2 | 2021585 | 2518316  | 8.59%  | 0.709% |
| 75  | 12.975 | 1932 | 1939 | 1943 | rBV  | 4460562 | 5661320  | 19.32% | 1.593% |
| 76  | 13.017 | 1943 | 1946 | 1952 | rVB  | 6546219 | 7370986  | 25.15% | 2.074% |
| 77  | 13.078 | 1952 | 1956 | 1957 | rBV  | 626441  | 685741   | 2.34%  | 0.193% |
| 78  | 13.097 | 1957 | 1959 | 1962 | rVV2 | 655244  | 914113   | 3.12%  | 0.257% |
| 79  | 13.194 | 1972 | 1975 | 1976 | rVV  | 445784  | 494693   | 1.69%  | 0.139% |
| 80  | 13.225 | 1976 | 1980 | 1984 | rVV  | 5662794 | 6868170  | 23.43% | 1.932% |
| 81  | 13.267 | 1984 | 1987 | 1990 | rVB2 | 456706  | 586026   | 2.00%  | 0.165% |
| 82  | 13.310 | 1990 | 1994 | 1996 | rBV2 | 739608  | 1016919  | 3.47%  | 0.286% |
| 83  | 13.347 | 1996 | 2000 | 2006 | rVV2 | 8747610 | 11536871 | 39.36% | 3.246% |
| 84  | 13.426 | 2010 | 2013 | 2017 | rVB  | 554220  | 650224   | 2.22%  | 0.183% |
| 85  | 13.481 | 2017 | 2022 | 2028 | rVB  | 1664187 | 2084376  | 7.11%  | 0.586% |
| 86  | 13.560 | 2029 | 2035 | 2038 | rBV2 | 955820  | 1244931  | 4.25%  | 0.350% |
| 87  | 13.603 | 2038 | 2042 | 2045 | rBV  | 1840807 | 2466859  | 8.42%  | 0.694% |
| 88  | 13.639 | 2045 | 2048 | 2053 | rVB3 | 1674202 | 2634522  | 8.99%  | 0.741% |
| 89  | 13.719 | 2058 | 2061 | 2067 | rVB2 | 2019712 | 3008026  | 10.26% | 0.846% |
| 90  | 13.834 | 2076 | 2080 | 2089 | rVB2 | 440026  | 734174   | 2.50%  | 0.207% |
| 91  | 13.914 | 2089 | 2093 | 2097 | rVB  | 302305  | 410273   | 1.40%  | 0.115% |
| 92  | 13.981 | 2097 | 2104 | 2108 | rBV2 | 976656  | 1360918  | 4.64%  | 0.383% |
| 93  | 14.029 | 2108 | 2112 | 2115 | rVB  | 709601  | 855555   | 2.92%  | 0.241% |
| 94  | 14.133 | 2124 | 2129 | 2135 | rBV  | 1403373 | 1757808  | 6.00%  | 0.495% |
| 95  | 14.273 | 2147 | 2152 | 2158 | rBV2 | 1098311 | 1929125  | 6.58%  | 0.543% |
| 96  | 14.377 | 2165 | 2169 | 2174 | rBV2 | 365023  | 529035   | 1.80%  | 0.149% |
| 97  | 14.432 | 2174 | 2178 | 2182 | rVB  | 716465  | 917215   | 3.13%  | 0.258% |
| 98  | 14.535 | 2190 | 2195 | 2200 | rBV2 | 273746  | 394065   | 1.34%  | 0.111% |
| 99  | 14.694 | 2209 | 2221 | 2231 | rVB  | 4429465 | 5553098  | 18.95% | 1.562% |
| 100 | 14.840 | 2239 | 2245 | 2254 | rBV  | 1516540 | 1999239  | 6.82%  | 0.563% |

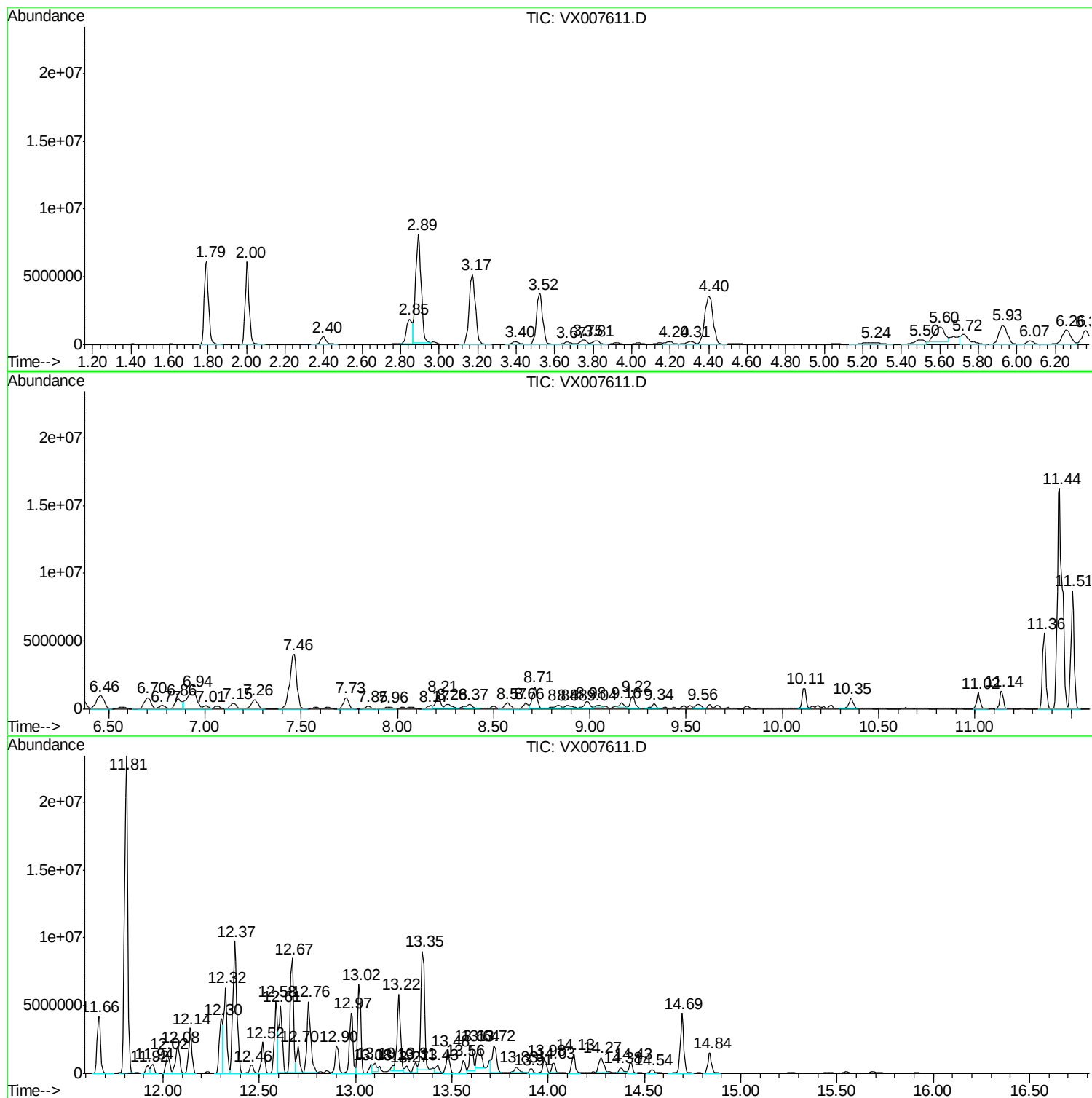
Sum of corrected areas: 355413541

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Instrument :  
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ClientSampleId :  
MW-2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021919\  
Data File : VX007611.D  
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Sample : K1528-02  
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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

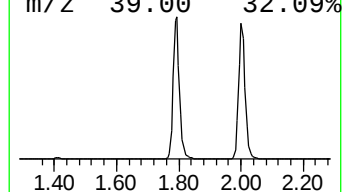
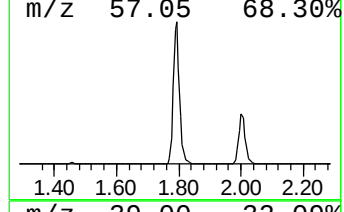
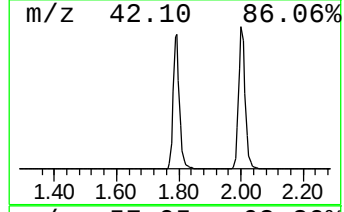
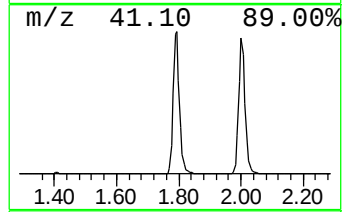
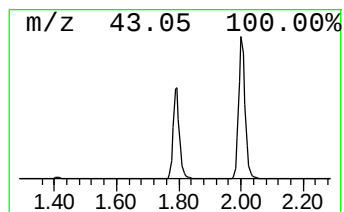
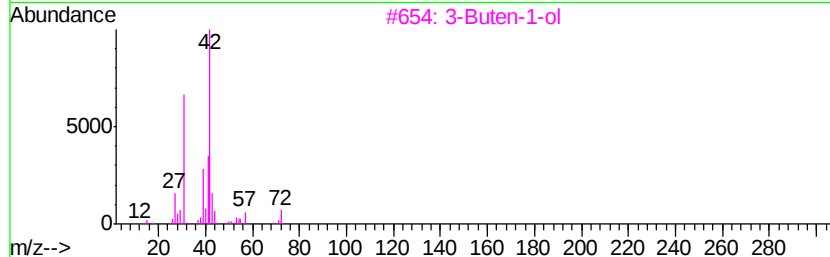
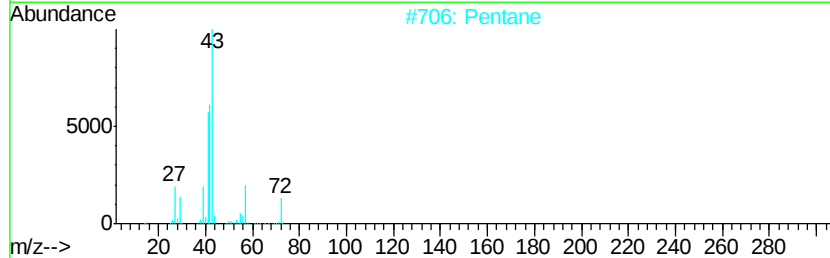
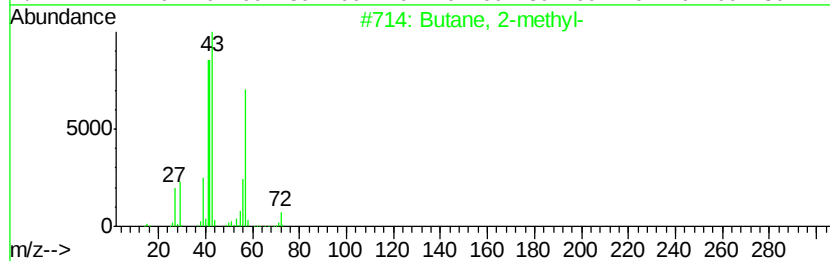
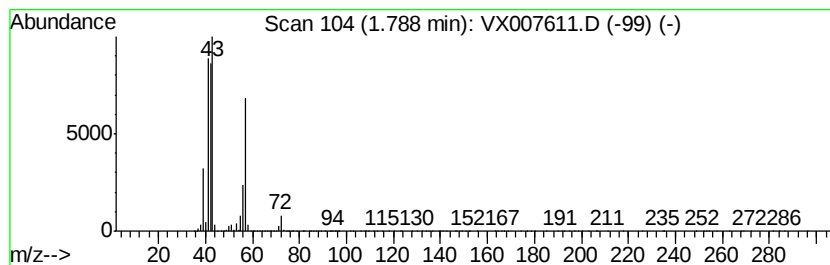
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
Quant Title : SW846 8260

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

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Peak Number 1 Butane, 2-methyl- Concentration Rank 7

| R.T. | EstConc     | Area    | Relative to ISTD   | R.T. |
|------|-------------|---------|--------------------|------|
| 1.79 | 187.28 ug/l | 8993550 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID         | MW | MolForm | CAS#        | Qual |
|------|----|----------------------|----|---------|-------------|------|
| 1    | 5  | Butane, 2-methyl-    | 72 | C5H12   | 000078-78-4 | 94   |
| 2    |    | Pentane              | 72 | C5H12   | 000109-66-0 | 36   |
| 3    |    | 3-Buten-1-ol         | 72 | C4H8O   | 000627-27-0 | 28   |
| 4    |    | 1-Propene, 2-methyl- | 56 | C4H8    | 000115-11-7 | 9    |
| 5    |    | 1-Butene             | 56 | C4H8    | 000106-98-9 | 9    |



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ALS Vial : 12 Sample Multiplier: 1

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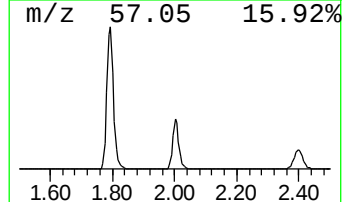
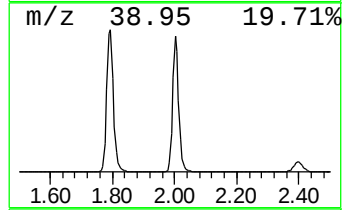
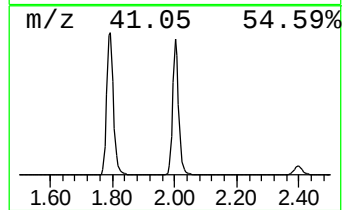
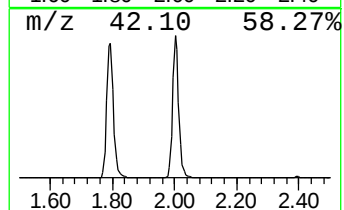
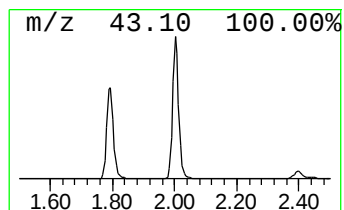
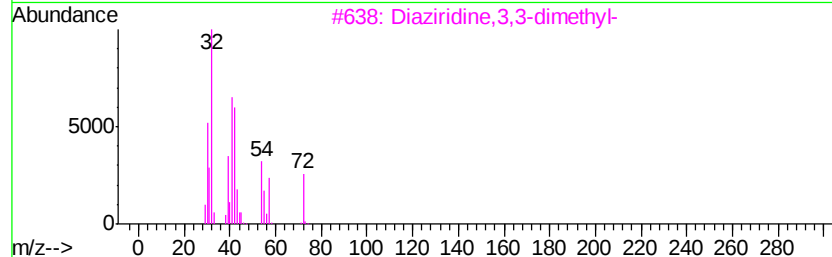
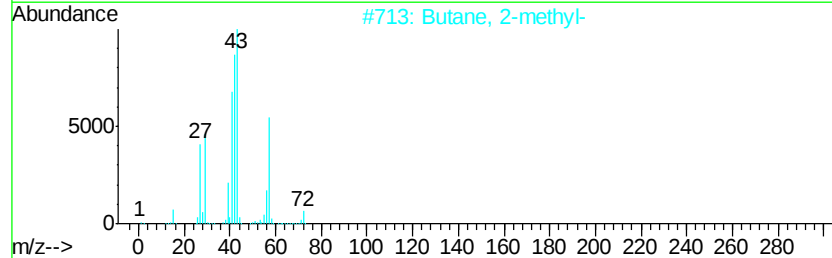
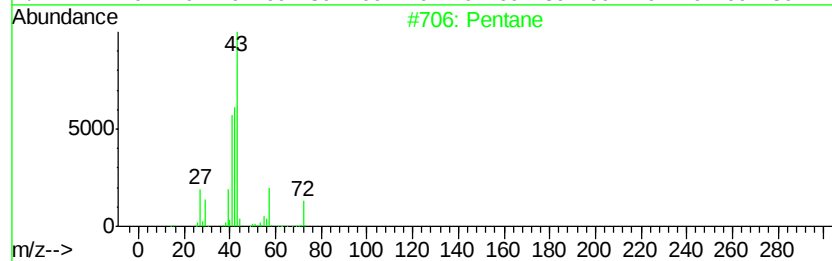
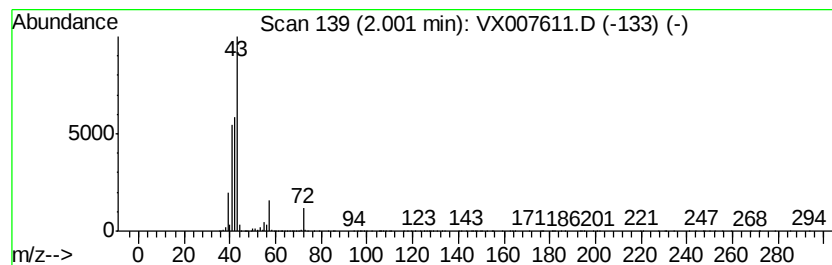
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
Quant Title : SW846 8260

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

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Peak Number 2 Pentane Concentration Rank 8

| R.T. | EstConc     | Area    | Relative to ISTD   | R.T. |
|------|-------------|---------|--------------------|------|
| 2.00 | 179.55 ug/l | 8622300 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane                   | 72  | C5H12   | 000109-66-0 | 91   |
| 2    |    | Butane, 2-methyl-         | 72  | C5H12   | 000078-78-4 | 38   |
| 3    |    | Diaziridine,3,3-dimethyl- | 72  | C3H8N2  | 004901-76-2 | 35   |
| 4    |    | Butanal, 2,2-dimethyl-    | 100 | C6H12O  | 002094-75-9 | 9    |
| 5    |    | Cyclobutylamine           | 71  | C4H9N   | 002516-34-9 | 9    |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021919\  
Data File : VX007611.D  
Acq On : 19 Feb 2019 14:17  
Operator : JC/SP  
Sample : K1528-02  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

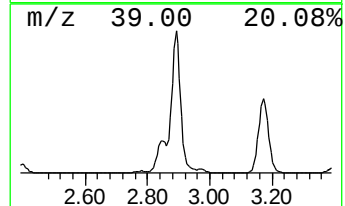
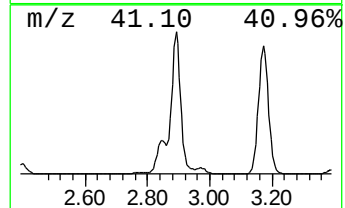
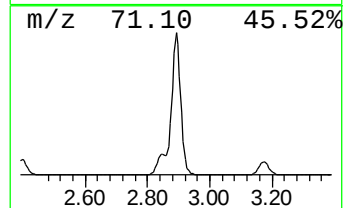
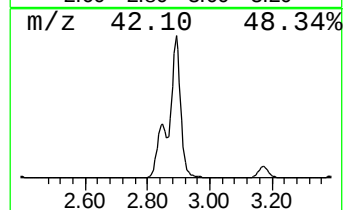
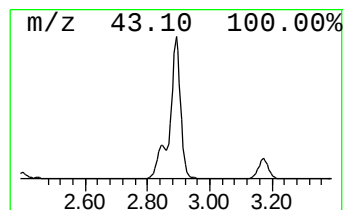
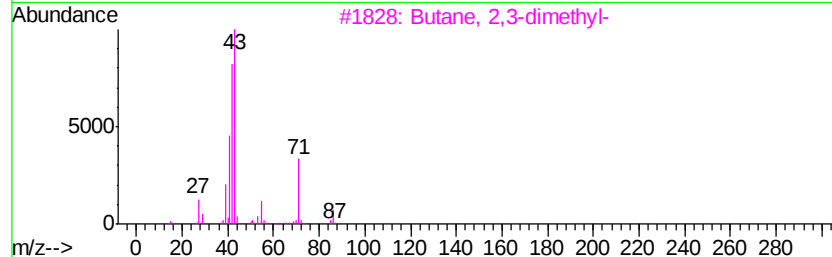
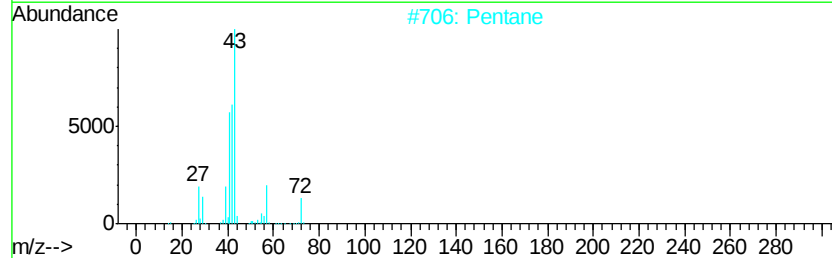
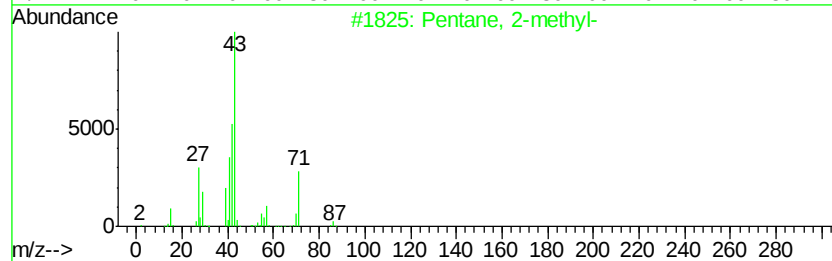
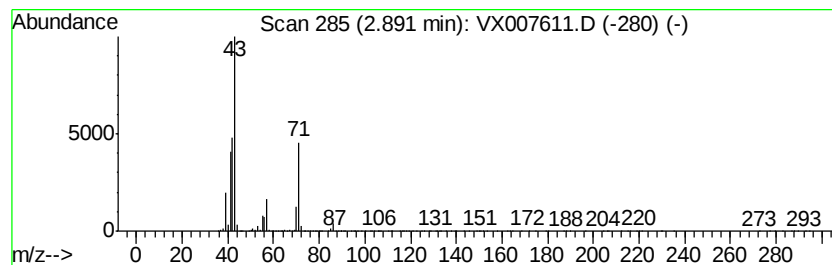
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Pentane, 2-methyl- Concentration Rank 2

| R.T. | EstConc     | Area     | Relative to ISTD   | R.T. |
|------|-------------|----------|--------------------|------|
| 2.89 | 334.88 ug/l | 16081500 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 2-methyl-    | 86  | C6H14   | 000107-83-5 | 91   |
| 2    |    | Pentane               | 72  | C5H12   | 000109-66-0 | 46   |
| 3    |    | Butane, 2,3-dimethyl- | 86  | C6H14   | 000079-29-8 | 43   |
| 4    |    | Hexane, 2,3-dimethyl- | 114 | C8H18   | 000584-94-1 | 38   |
| 5    |    | Heptane, 4-methyl-    | 114 | C8H18   | 000589-53-7 | 28   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021919\  
Data File : VX007611.D  
Acq On : 19 Feb 2019 14:17  
Operator : JC/SP  
Sample : K1528-02  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

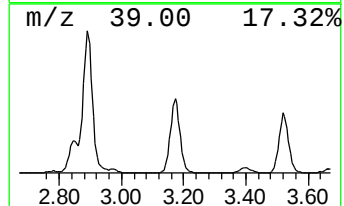
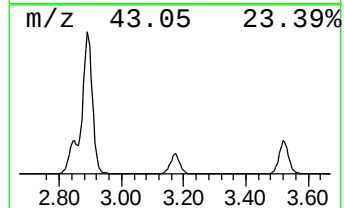
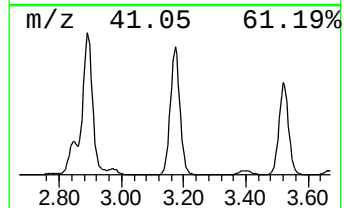
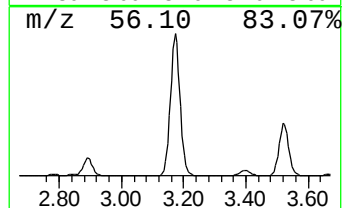
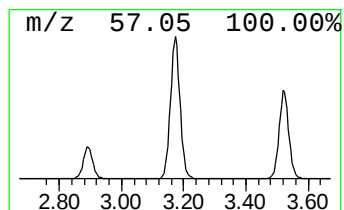
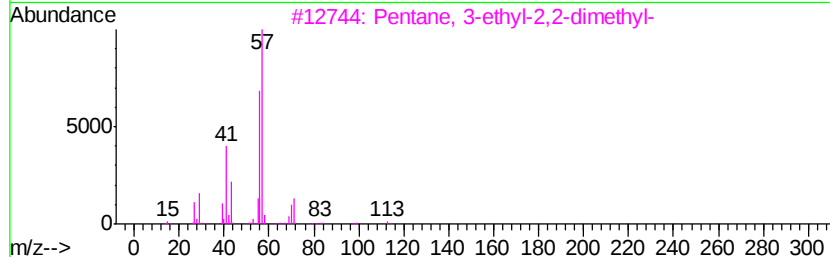
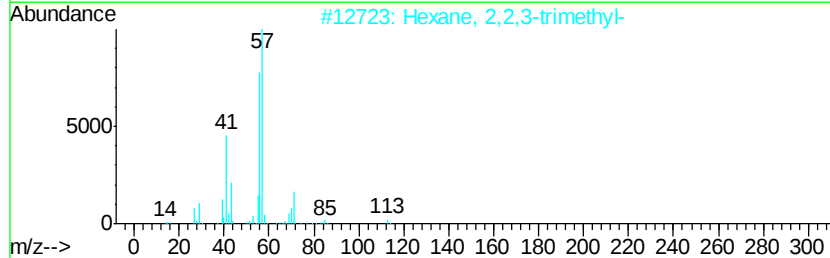
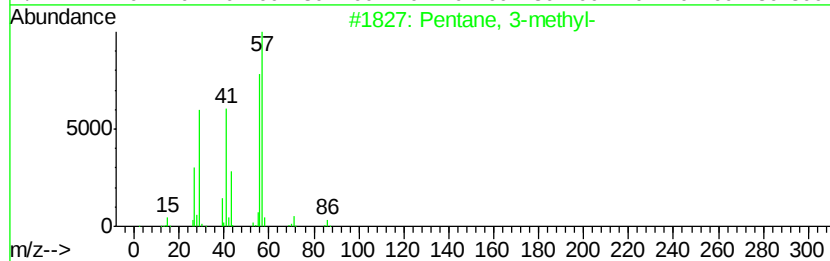
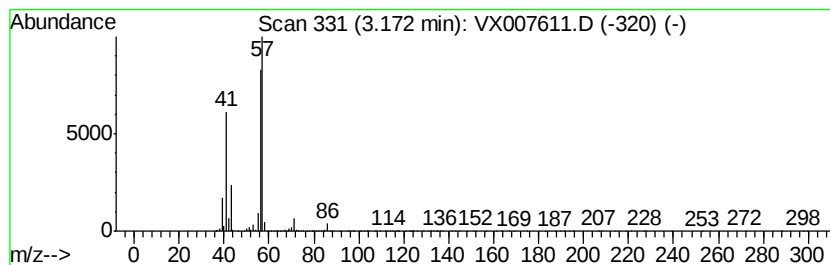
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Quant Title : SW846 8260

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

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

| R.T. | EstConc     | Area     | Relative to ISTD   | R.T. |
|------|-------------|----------|--------------------|------|
| 3.17 | 237.46 ug/l | 11403000 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID                   | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------|-----|----------|-------------|------|
| 1    | 5  | Pentane, 3-methyl-             | 86  | C6H14    | 000096-14-0 | 91   |
| 2    |    | Hexane, 2,2,3-trimethyl-       | 128 | C9H20    | 016747-25-4 | 78   |
| 3    |    | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20    | 016747-32-3 | 43   |
| 4    |    | Sulphuric acid dibutyl ester   | 210 | C8H18O4S | 000625-22-9 | 40   |
| 5    |    | Butyl isocyanatoacetate        | 157 | C7H11NO3 | 017046-22-9 | 40   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021919\  
Data File : VX007611.D  
Acq On : 19 Feb 2019 14:17  
Operator : JC/SP  
Sample : K1528-02  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

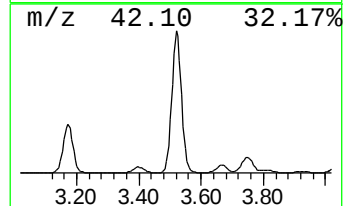
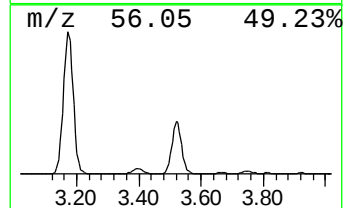
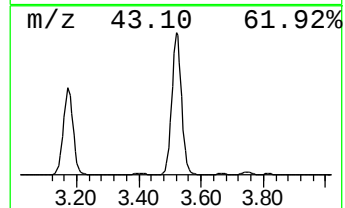
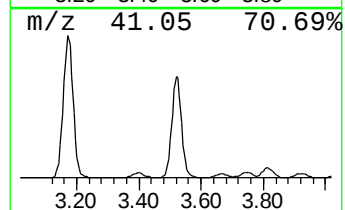
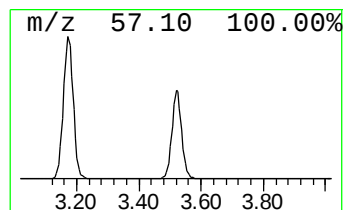
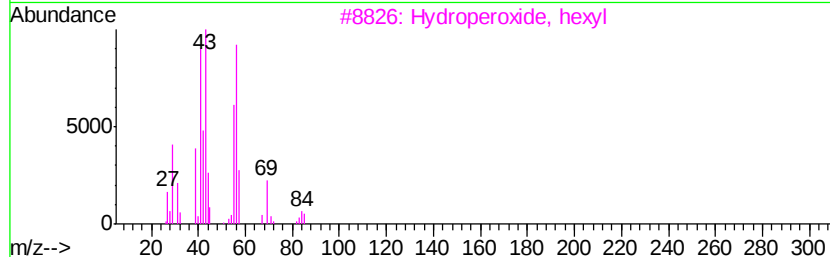
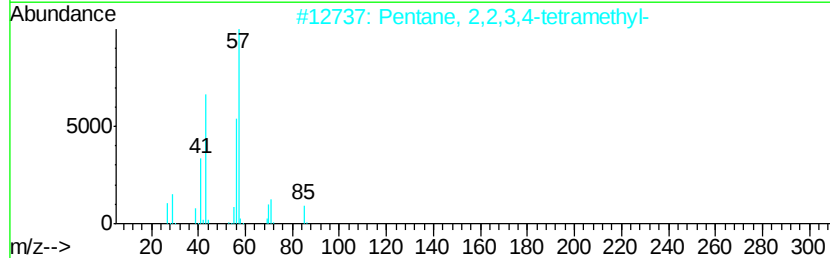
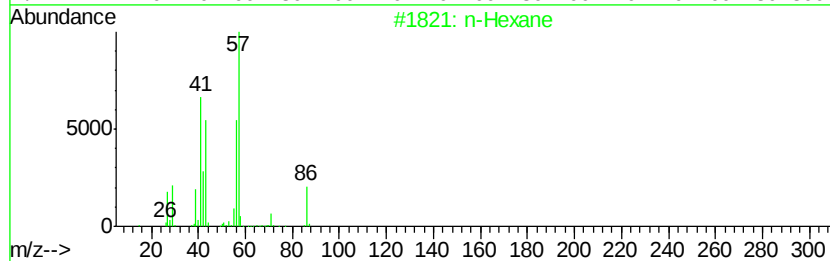
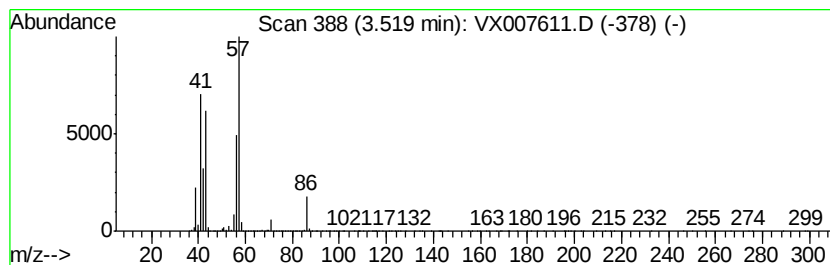
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 n-Hexane Concentration Rank 9

| R.T. | EstConc     | Area    | Relative to ISTD   | R.T. |
|------|-------------|---------|--------------------|------|
| 3.52 | 174.40 ug/l | 8374680 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | n-Hexane                      | 86  | C6H14   | 000110-54-3 | 94   |
| 2    |    | Pentane, 2,2,3,4-tetramethyl- | 128 | C9H20   | 001186-53-4 | 42   |
| 3    |    | Hydroperoxide, hexyl          | 118 | C6H14O2 | 004312-76-9 | 40   |
| 4    |    | Methane, isocyanato-          | 57  | C2H3NO  | 000624-83-9 | 37   |
| 5    |    | Butanal, 2-methyl-            | 86  | C5H10O  | 000096-17-3 | 35   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021919\  
Data File : VX007611.D  
Acq On : 19 Feb 2019 14:17  
Operator : JC/SP  
Sample : K1528-02  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

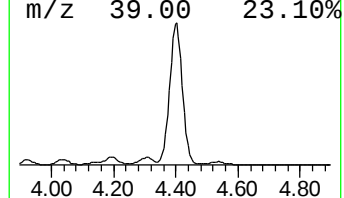
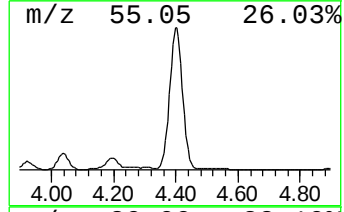
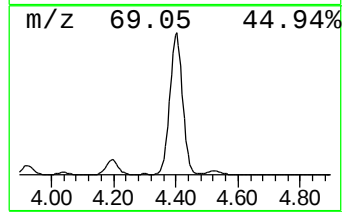
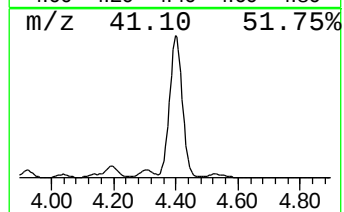
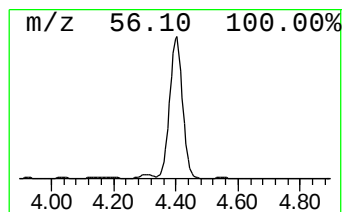
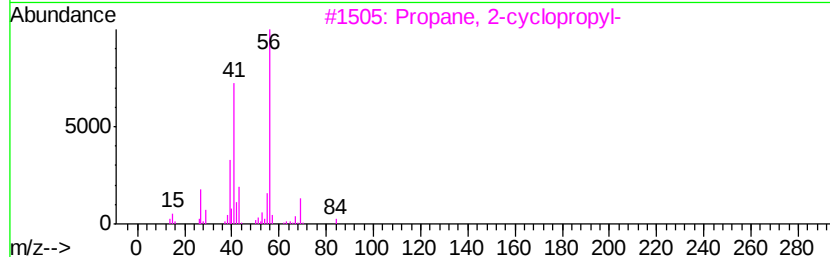
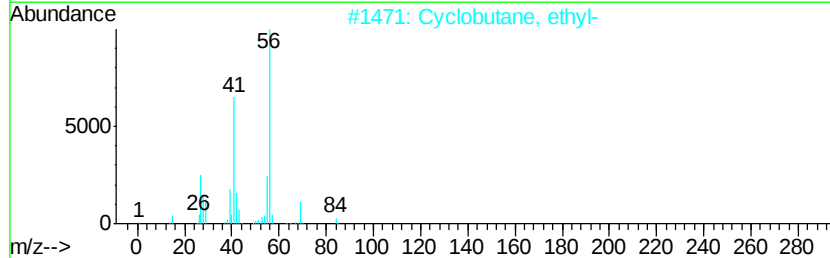
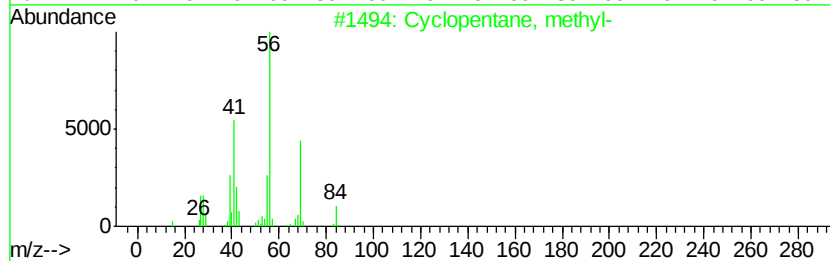
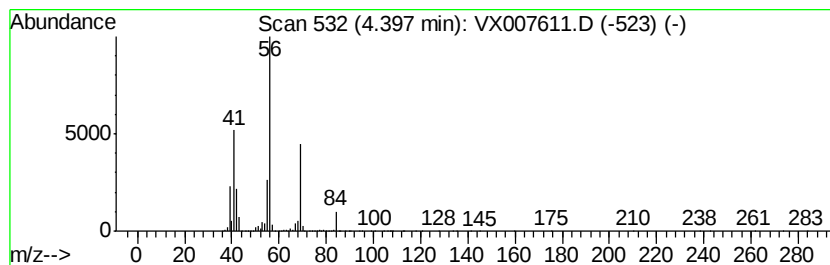
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Quant Title : SW846 8260

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

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Peak Number 6 Cyclopentane, methyl- Concentration Rank 5

| R.T. | EstConc     | Area     | Relative to ISTD   | R.T. |
|------|-------------|----------|--------------------|------|
| 4.40 | 219.33 ug/l | 10532600 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|----|-------------------------|----|---------|-------------|------|
| 1    | 5  | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 94   |
| 2    |    | Cyclobutane, ethyl-     | 84 | C6H12   | 004806-61-5 | 72   |
| 3    |    | Propane, 2-cyclopropyl- | 84 | C6H12   | 003638-35-5 | 64   |
| 4    |    | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4  | 004076-36-2 | 56   |
| 5    |    | Cyclopropane, propyl-   | 84 | C6H12   | 002415-72-7 | 56   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021919\  
Data File : VX007611.D  
Acq On : 19 Feb 2019 14:17  
Operator : JC/SP  
Sample : K1528-02  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

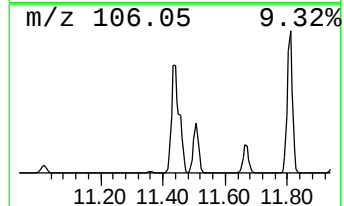
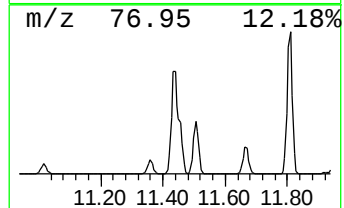
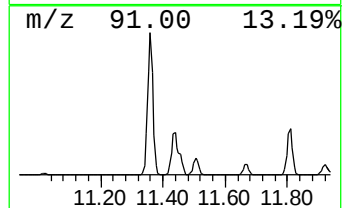
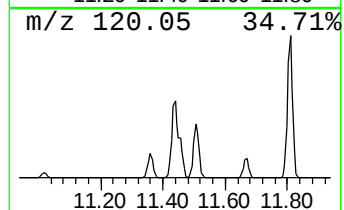
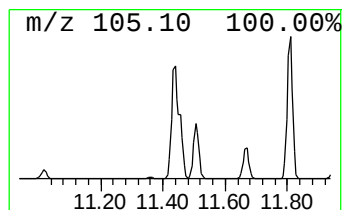
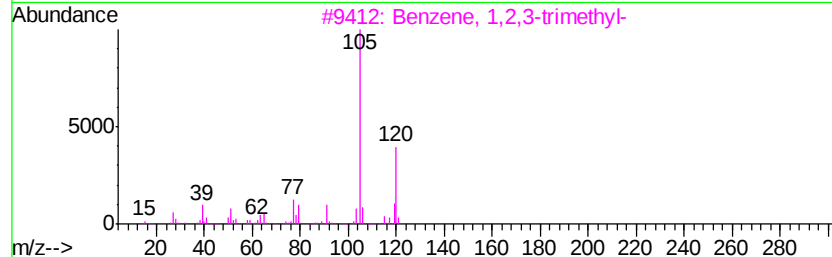
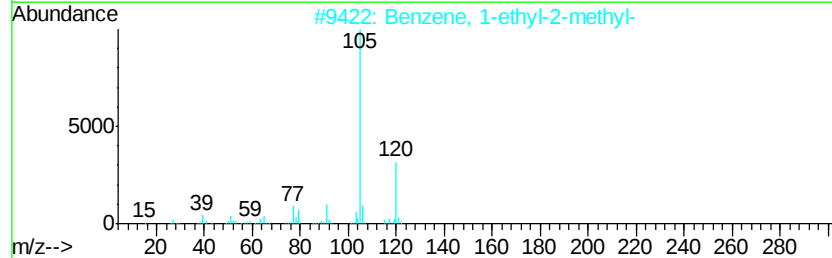
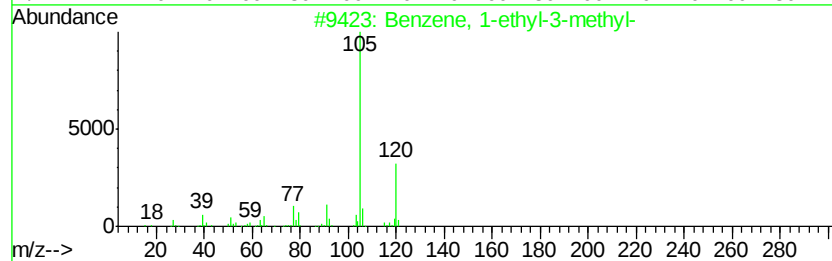
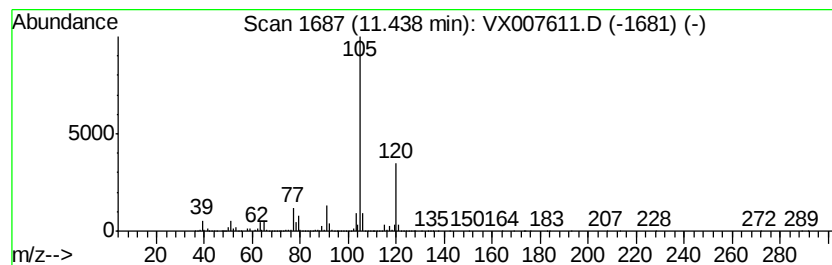
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Quant Title : SW846 8260

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

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Peak Number 7 Benzene, 1-ethyl-3-methyl- Concentration Rank 1

| R.T.  | EstConc     | Area     | Relative to ISTD       | R.T.  |
|-------|-------------|----------|------------------------|-------|
| 11.44 | 504.98 ug/l | 29309800 | 1,4-Dichlorobenzene-d4 | 12.08 |

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021919\  
Data File : VX007611.D  
Acq On : 19 Feb 2019 14:17  
Operator : JC/SP  
Sample : K1528-02  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
Quant Title : SW846 8260

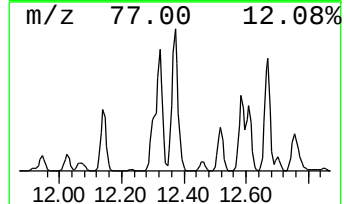
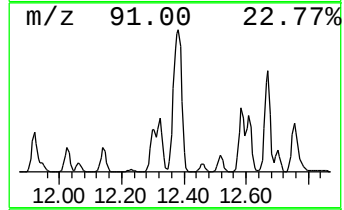
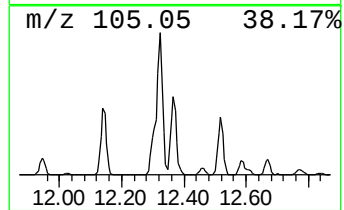
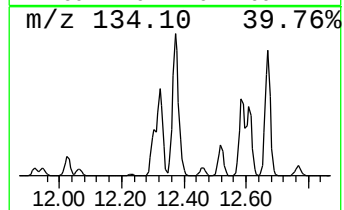
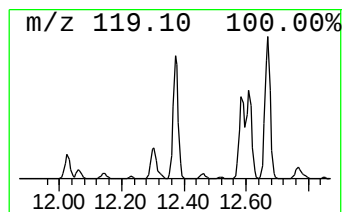
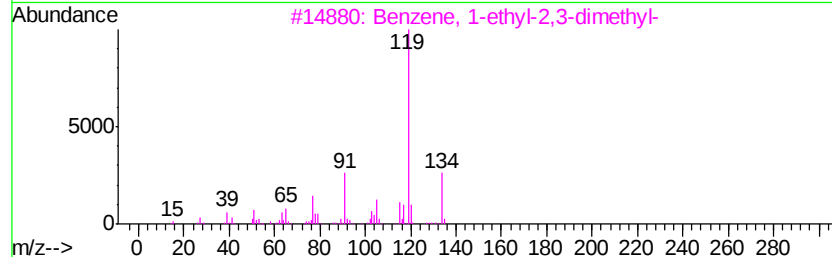
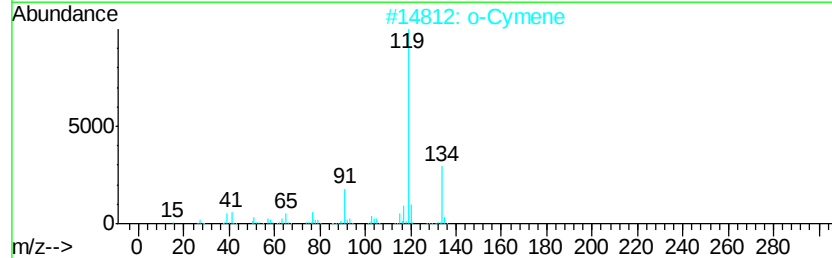
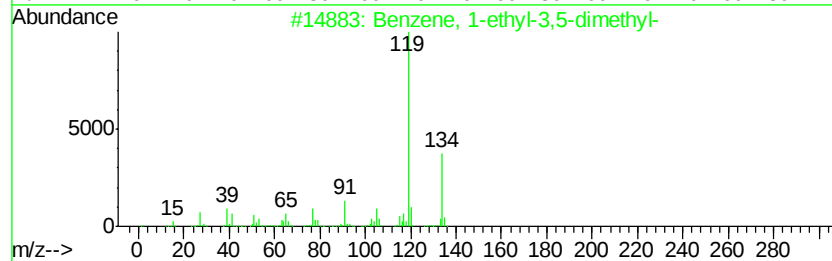
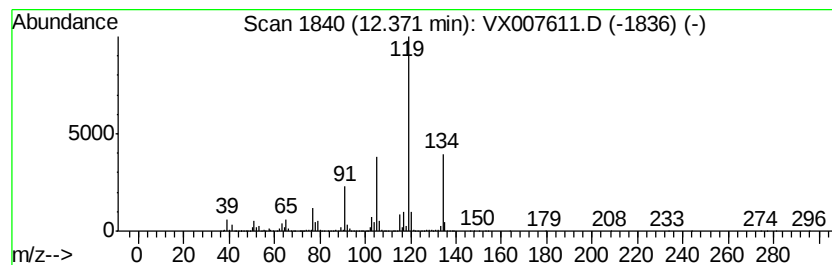
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 3

| R.T.  | EstConc     | Area     | Relative to ISTD       | R.T.  |
|-------|-------------|----------|------------------------|-------|
| 12.37 | 244.68 ug/l | 14201300 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 95   |
| 2    |    | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 95   |
| 3    |    | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 94   |
| 4    |    | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 94   |
| 5    |    | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 94   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021919\  
Data File : VX007611.D  
Acq On : 19 Feb 2019 14:17  
Operator : JC/SP  
Sample : K1528-02  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
Quant Title : SW846 8260

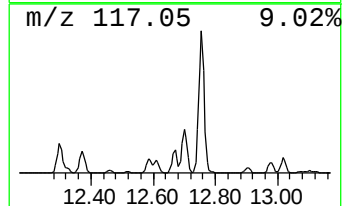
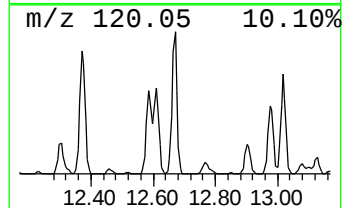
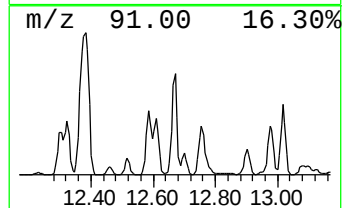
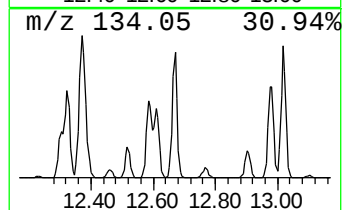
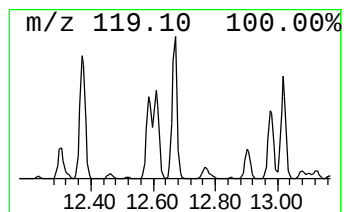
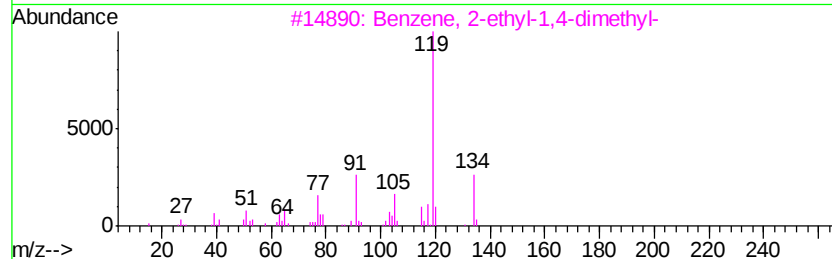
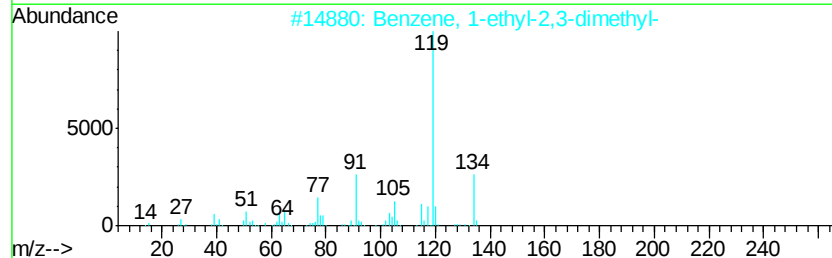
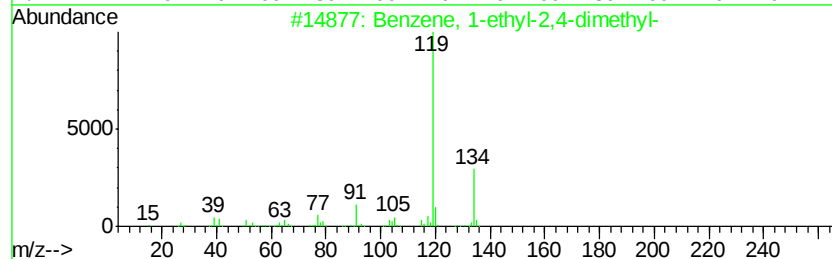
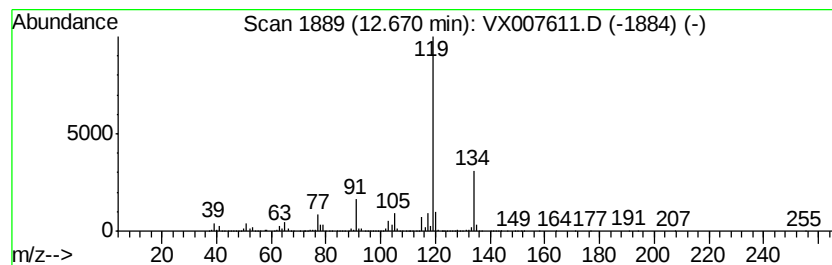
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 10

| R.T.  | EstConc     | Area     | Relative to ISTD       | R.T.  |
|-------|-------------|----------|------------------------|-------|
| 12.67 | 172.80 ug/l | 10029300 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14  | 000874-41-9 | 97   |
| 2    |    | Benzene, 1-ethyl-2,3-dimethyl-      | 134 | C10H14  | 000933-98-2 | 96   |
| 3    |    | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 96   |
| 4    |    | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 95   |
| 5    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 95   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021919\  
Data File : VX007611.D  
Acq On : 19 Feb 2019 14:17  
Operator : JC/SP  
Sample : K1528-02  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
MW-2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
Quant Title : SW846 8260

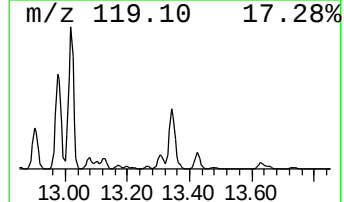
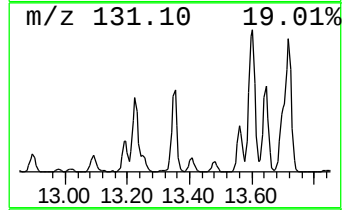
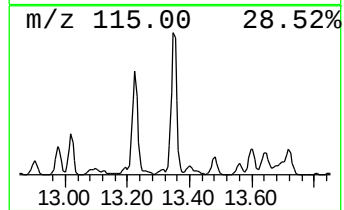
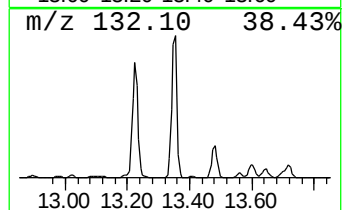
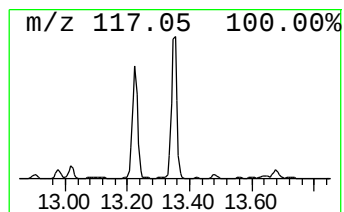
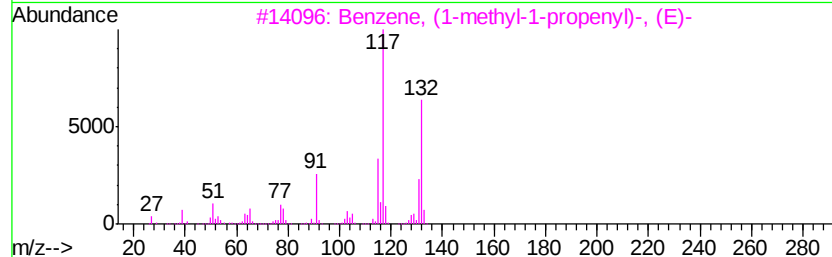
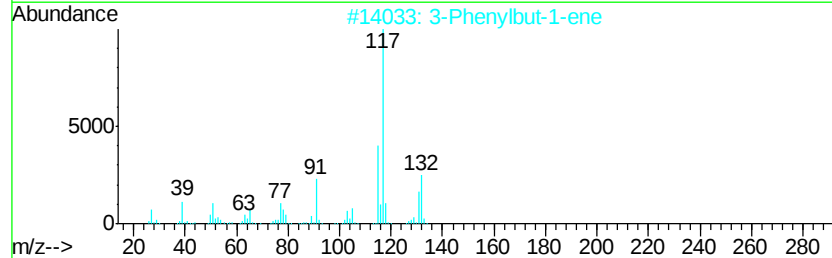
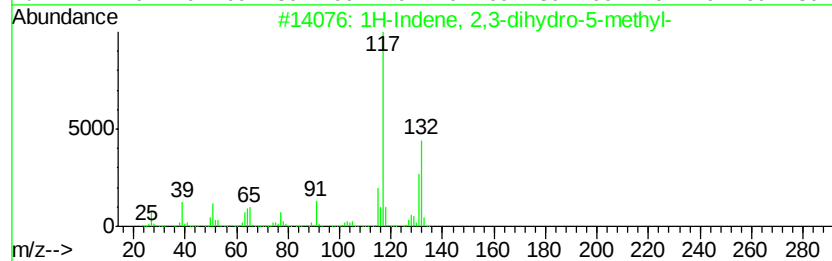
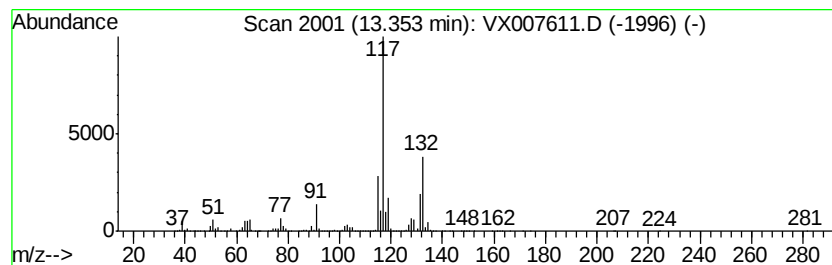
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 6

| R.T.  | EstConc     | Area     | Relative to ISTD       | R.T.  |
|-------|-------------|----------|------------------------|-------|
| 13.35 | 198.77 ug/l | 11536900 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 2,3-dihydro-5-methyl-    | 132 | C10H12  | 000874-35-1 | 87   |
| 2    |    | 3-Phenylbut-1-ene                   | 132 | C10H12  | 000934-10-1 | 81   |
| 3    |    | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 81   |
| 4    |    | Benzene, 2-butenyl-                 | 132 | C10H12  | 001560-06-1 | 81   |
| 5    |    | Indan, 1-methyl-                    | 132 | C10H12  | 000767-58-8 | 81   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX021919\  
Data File : VX007611.D  
Acq On : 19 Feb 2019 14:17  
Operator : JC/SP  
Sample : K1528-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X020119W.M  
Quant Title : SW846 8260

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Butane, 2-methyl-    | 1.79  | 187.3   | ug/l  | 8993550  | 1                     | 5.67  | 2401060 | 50.0 |
| Pentane              | 2.00  | 179.6   | ug/l  | 8622300  | 1                     | 5.67  | 2401060 | 50.0 |
| Pentane, 2-methyl-   | 2.89  | 334.9   | ug/l  | 16081500 | 1                     | 5.67  | 2401060 | 50.0 |
| Pentane, 3-methyl-   | 3.17  | 237.5   | ug/l  | 11403000 | 1                     | 5.67  | 2401060 | 50.0 |
| n-Hexane             | 3.52  | 174.4   | ug/l  | 8374680  | 1                     | 5.67  | 2401060 | 50.0 |
| Cyclopentane, met... | 4.40  | 219.3   | ug/l  | 10532600 | 1                     | 5.67  | 2401060 | 50.0 |
| Benzene, 1-ethyl-... | 11.44 | 505.0   | ug/l  | 29309800 | 4                     | 12.08 | 2902070 | 50.0 |
| Benzene, 1-ethyl-... | 12.37 | 244.7   | ug/l  | 14201300 | 4                     | 12.08 | 2902070 | 50.0 |
| Benzene, 1-ethyl-... | 12.67 | 172.8   | ug/l  | 10029300 | 4                     | 12.08 | 2902070 | 50.0 |
| 1H-Indene, 2,3-di... | 13.35 | 198.8   | ug/l  | 11536900 | 4                     | 12.08 | 2902070 | 50.0 |