

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\  
 Data File : VX010866.D  
 Acq On : 13 Jul 2019 03:19  
 Operator : JC/SP  
 Sample : K3791-13  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FL-0604

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\82X061919W.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         | 1.276       | 16            | 20          | 27           | rBV      | 48972          | 74280         | 1.58%           | 0.116%        |
| 2         | 1.794       | 99            | 105         | 117          | rVB      | 982282         | 1450060       | 30.84%          | 2.265%        |
| 3         | 2.001       | 133           | 139         | 149          | rVB      | 943512         | 1316603       | 28.00%          | 2.056%        |
| 4         | 2.391       | 195           | 203         | 218          | rVB      | 331428         | 685696        | 14.58%          | 1.071%        |
| 5         | 2.849       | 269           | 278         | 280          | rBV      | 564738         | 1123822       | 23.90%          | 1.755%        |
| 6         | 2.891       | 280           | 285         | 315          | rVB      | 1500240        | 3606860       | 76.71%          | 5.633%        |
| 7         | 3.172       | 320           | 331         | 346          | rBV      | 1251908        | 2919405       | 62.09%          | 4.559%        |
| 8         | 3.525       | 380           | 389         | 406          | rBV      | 710789         | 1613239       | 34.31%          | 2.519%        |
| 9         | 4.147       | 481           | 491         | 507          | rVB3     | 36244          | 132466        | 2.82%           | 0.207%        |
| 10        | 4.312       | 507           | 518         | 524          | rBV2     | 107391         | 315747        | 6.72%           | 0.493%        |
| 11        | 4.403       | 524           | 533         | 548          | rVV      | 1235188        | 3624027       | 77.08%          | 5.660%        |
| 12        | 5.238       | 653           | 670         | 686          | rBV3     | 48220          | 190662        | 4.06%           | 0.298%        |
| 13        | 5.501       | 701           | 713         | 718          | rBV2     | 135899         | 400169        | 8.51%           | 0.625%        |
| 14        | 5.586       | 718           | 727         | 736          | rBV3     | 687515         | 2321496       | 49.37%          | 3.625%        |
| 15        | 5.726       | 745           | 750         | 768          | rVB      | 292517         | 866214        | 18.42%          | 1.353%        |
| 16        | 5.933       | 771           | 784         | 797          | rBV3     | 331295         | 1045104       | 22.23%          | 1.632%        |
| 17        | 6.061       | 797           | 805         | 817          | rVB2     | 135555         | 349009        | 7.42%           | 0.545%        |
| 18        | 6.263       | 826           | 838         | 845          | rBV3     | 143867         | 474410        | 10.09%          | 0.741%        |
| 19        | 6.354       | 845           | 853         | 862          | rVV3     | 263413         | 809196        | 17.21%          | 1.264%        |
| 20        | 6.458       | 862           | 870         | 884          | rVB      | 213044         | 585146        | 12.45%          | 0.914%        |
| 21        | 6.708       | 901           | 911         | 924          | rBV2     | 50556          | 124601        | 2.65%           | 0.195%        |
| 22        | 6.860       | 926           | 936         | 944          | rVV      | 356435         | 835108        | 17.76%          | 1.304%        |
| 23        | 7.464       | 1020          | 1035        | 1047         | rBV      | 1447309        | 3256655       | 69.26%          | 5.086%        |
| 24        | 7.573       | 1047          | 1053        | 1058         | rBV      | 25891          | 53811         | 1.14%           | 0.084%        |
| 25        | 7.634       | 1058          | 1063        | 1068         | rBV      | 35061          | 67868         | 1.44%           | 0.106%        |
| 26        | 7.732       | 1073          | 1079        | 1089         | rVV      | 161071         | 314844        | 6.70%           | 0.492%        |
| 27        | 7.848       | 1089          | 1098        | 1106         | rVB3     | 48606          | 103052        | 2.19%           | 0.161%        |
| 28        | 8.055       | 1121          | 1132        | 1144         | rVB2     | 138830         | 345693        | 7.35%           | 0.540%        |
| 29        | 8.177       | 1144          | 1152        | 1160         | rBV      | 202861         | 424703        | 9.03%           | 0.663%        |
| 30        | 8.256       | 1160          | 1165        | 1169         | rVB      | 35428          | 55575         | 1.18%           | 0.087%        |
| 31        | 8.341       | 1174          | 1179        | 1182         | rVV      | 53484          | 84867         | 1.80%           | 0.133%        |
| 32        | 8.384       | 1182          | 1186        | 1192         | rVB3     | 49756          | 91246         | 1.94%           | 0.142%        |
| 33        | 8.500       | 1201          | 1205        | 1209         | rBV      | 62343          | 100496        | 2.14%           | 0.157%        |
| 34        | 8.665       | 1224          | 1232        | 1235         | rBV3     | 187076         | 333245        | 7.09%           | 0.520%        |

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 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FL-0604

## 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\82X061919W.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 8.713  | 1235 | 1240 | 1253 | rVB  | 797890  | 1287862 | 27.39%  | 2.011% |
| 36 | 8.835  | 1255 | 1260 | 1265 | rBV  | 78821   | 136243  | 2.90%   | 0.213% |
| 37 | 8.908  | 1268 | 1272 | 1279 | rVB2 | 61025   | 109570  | 2.33%   | 0.171% |
| 38 | 9.036  | 1288 | 1293 | 1300 | rVB  | 151900  | 252467  | 5.37%   | 0.394% |
| 39 | 9.164  | 1305 | 1314 | 1319 | rBV  | 83779   | 138772  | 2.95%   | 0.217% |
| 40 | 9.573  | 1374 | 1381 | 1385 | rBV4 | 71280   | 125494  | 2.67%   | 0.196% |
| 41 | 9.622  | 1385 | 1389 | 1394 | rVB  | 178455  | 239798  | 5.10%   | 0.374% |
| 42 | 9.677  | 1394 | 1398 | 1403 | rBV  | 104170  | 151698  | 3.23%   | 0.237% |
| 43 | 9.890  | 1425 | 1433 | 1437 | rBV2 | 31899   | 65038   | 1.38%   | 0.102% |
| 44 | 10.109 | 1464 | 1469 | 1475 | rVV  | 747227  | 996240  | 21.19%  | 1.556% |
| 45 | 10.183 | 1475 | 1481 | 1486 | rVV  | 78698   | 132132  | 2.81%   | 0.206% |
| 46 | 10.250 | 1486 | 1492 | 1497 | rVV  | 977317  | 1228355 | 26.12%  | 1.918% |
| 47 | 10.359 | 1501 | 1510 | 1516 | rBV  | 908995  | 1221450 | 25.98%  | 1.908% |
| 48 | 10.640 | 1545 | 1556 | 1563 | rBV2 | 47302   | 115285  | 2.45%   | 0.180% |
| 49 | 10.835 | 1578 | 1588 | 1593 | rBV2 | 78455   | 124273  | 2.64%   | 0.194% |
| 50 | 10.908 | 1595 | 1600 | 1604 | rBV3 | 48699   | 79439   | 1.69%   | 0.124% |
| 51 | 11.018 | 1612 | 1618 | 1622 | rBV  | 487364  | 617217  | 13.13%  | 0.964% |
| 52 | 11.134 | 1631 | 1637 | 1642 | rBV  | 679015  | 846783  | 18.01%  | 1.322% |
| 53 | 11.274 | 1656 | 1660 | 1665 | rVB3 | 40413   | 55416   | 1.18%   | 0.087% |
| 54 | 11.359 | 1668 | 1674 | 1681 | rVV  | 968800  | 1175938 | 25.01%  | 1.836% |
| 55 | 11.451 | 1681 | 1689 | 1693 | rVV  | 1413996 | 1951643 | 41.51%  | 3.048% |
| 56 | 11.506 | 1693 | 1698 | 1707 | rVB  | 1218997 | 1485593 | 31.60%  | 2.320% |
| 57 | 11.664 | 1719 | 1724 | 1733 | rVB  | 1378330 | 1688739 | 35.92%  | 2.637% |
| 58 | 11.804 | 1742 | 1747 | 1758 | rVB  | 3901982 | 4701855 | 100.00% | 7.343% |
| 59 | 11.920 | 1758 | 1766 | 1767 | rBV  | 55156   | 85313   | 1.81%   | 0.133% |
| 60 | 11.944 | 1767 | 1770 | 1775 | rVB  | 157117  | 192188  | 4.09%   | 0.300% |
| 61 | 12.024 | 1775 | 1783 | 1786 | rBV  | 170959  | 215447  | 4.58%   | 0.336% |
| 62 | 12.073 | 1786 | 1791 | 1797 | rVB2 | 857678  | 1227613 | 26.11%  | 1.917% |
| 63 | 12.140 | 1797 | 1802 | 1808 | rBV  | 534642  | 659807  | 14.03%  | 1.030% |
| 64 | 12.231 | 1812 | 1817 | 1823 | rVB  | 67624   | 93068   | 1.98%   | 0.145% |
| 65 | 12.298 | 1823 | 1828 | 1835 | rBV3 | 539613  | 871856  | 18.54%  | 1.362% |
| 66 | 12.371 | 1835 | 1840 | 1847 | rVB3 | 578372  | 910032  | 19.35%  | 1.421% |
| 67 | 12.457 | 1849 | 1854 | 1859 | rBV  | 152114  | 190288  | 4.05%   | 0.297% |
| 68 | 12.518 | 1859 | 1864 | 1870 | rVB  | 425844  | 508720  | 10.82%  | 0.794% |
| 69 | 12.585 | 1870 | 1875 | 1877 | rBV  | 447716  | 586187  | 12.47%  | 0.915% |
| 70 | 12.609 | 1877 | 1879 | 1884 | rVV  | 479605  | 481095  | 10.23%  | 0.751% |
| 71 | 12.664 | 1884 | 1888 | 1892 | rVV  | 517776  | 632682  | 13.46%  | 0.988% |

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Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FL-0604

## 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\82X061919W.M  
 Title : SW846 8260

|     |        |      |      |      |      |        |         |        |        |
|-----|--------|------|------|------|------|--------|---------|--------|--------|
| 72  | 12.700 | 1892 | 1894 | 1898 | rVB  | 160786 | 161258  | 3.43%  | 0.252% |
| 73  | 12.755 | 1898 | 1903 | 1911 | rBV3 | 428142 | 742636  | 15.79% | 1.160% |
| 74  | 12.847 | 1915 | 1918 | 1921 | rBV2 | 49719  | 63224   | 1.34%  | 0.099% |
| 75  | 12.902 | 1922 | 1927 | 1931 | rVB2 | 277066 | 376630  | 8.01%  | 0.588% |
| 76  | 12.975 | 1931 | 1939 | 1942 | rBV  | 316503 | 427265  | 9.09%  | 0.667% |
| 77  | 13.017 | 1942 | 1946 | 1952 | rVB  | 558010 | 676923  | 14.40% | 1.057% |
| 78  | 13.078 | 1952 | 1956 | 1961 | rBV3 | 77821  | 158522  | 3.37%  | 0.248% |
| 79  | 13.194 | 1971 | 1975 | 1976 | rBV2 | 81327  | 87086   | 1.85%  | 0.136% |
| 80  | 13.225 | 1976 | 1980 | 1983 | rVB  | 213661 | 269831  | 5.74%  | 0.421% |
| 81  | 13.261 | 1983 | 1986 | 1990 | rVB3 | 50444  | 63419   | 1.35%  | 0.099% |
| 82  | 13.304 | 1990 | 1993 | 1995 | rBV3 | 82244  | 101797  | 2.17%  | 0.159% |
| 83  | 13.347 | 1995 | 2000 | 2005 | rVB2 | 941186 | 1346921 | 28.65% | 2.103% |
| 84  | 13.475 | 2017 | 2021 | 2030 | rVB  | 572818 | 770766  | 16.39% | 1.204% |
| 85  | 13.560 | 2030 | 2035 | 2038 | rBV3 | 50231  | 74875   | 1.59%  | 0.117% |
| 86  | 13.597 | 2038 | 2041 | 2044 | rBV  | 54118  | 62996   | 1.34%  | 0.098% |
| 87  | 13.639 | 2044 | 2048 | 2053 | rBV3 | 113658 | 204214  | 4.34%  | 0.319% |
| 88  | 13.719 | 2059 | 2061 | 2066 | rVB2 | 115809 | 156659  | 3.33%  | 0.245% |
| 89  | 13.834 | 2076 | 2080 | 2087 | rVB2 | 248424 | 383725  | 8.16%  | 0.599% |
| 90  | 13.908 | 2087 | 2092 | 2097 | rVB3 | 93368  | 140853  | 3.00%  | 0.220% |
| 91  | 13.987 | 2097 | 2105 | 2109 | rBV2 | 121364 | 203003  | 4.32%  | 0.317% |
| 92  | 14.127 | 2124 | 2128 | 2131 | rBV3 | 43046  | 61588   | 1.31%  | 0.096% |
| 93  | 14.286 | 2147 | 2154 | 2159 | rVB2 | 162595 | 287937  | 6.12%  | 0.450% |
| 94  | 14.426 | 2174 | 2177 | 2182 | rVB2 | 47942  | 62827   | 1.34%  | 0.098% |
| 95  | 14.535 | 2190 | 2195 | 2204 | rBV2 | 149551 | 217305  | 4.62%  | 0.339% |
| 96  | 14.694 | 2214 | 2221 | 2225 | rBV  | 498277 | 641186  | 13.64% | 1.001% |
| 97  | 14.834 | 2239 | 2244 | 2249 | rBV  | 318428 | 427531  | 9.09%  | 0.668% |
| 98  | 15.547 | 2356 | 2361 | 2366 | rBV  | 39950  | 58020   | 1.23%  | 0.091% |
| 99  | 15.682 | 2378 | 2383 | 2387 | rBV  | 43618  | 72245   | 1.54%  | 0.113% |
| 100 | 15.724 | 2387 | 2390 | 2398 | rVB2 | 34269  | 54575   | 1.16%  | 0.085% |

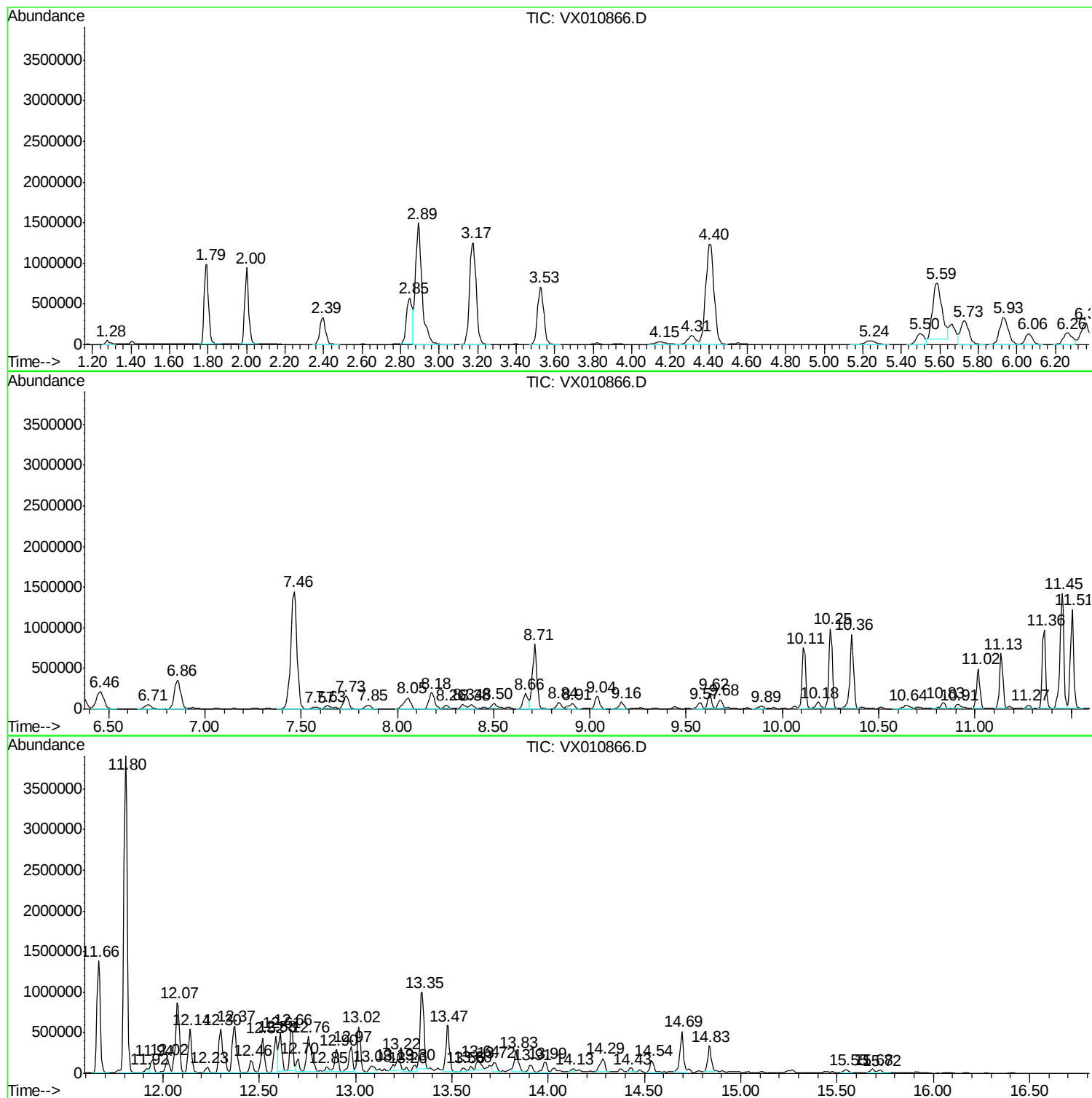
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Instrument :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071219\  
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ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
FL-0604

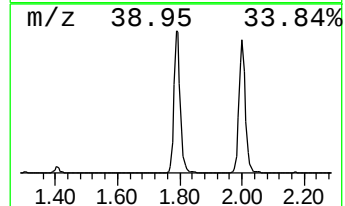
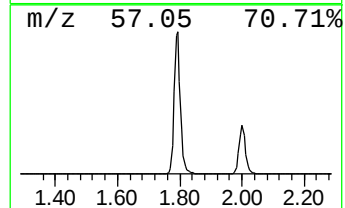
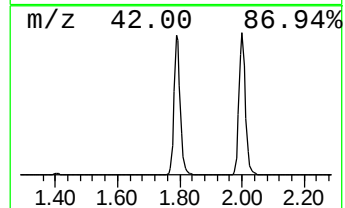
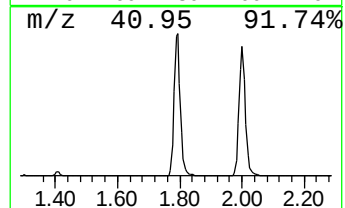
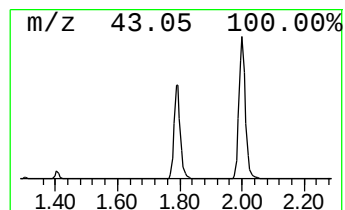
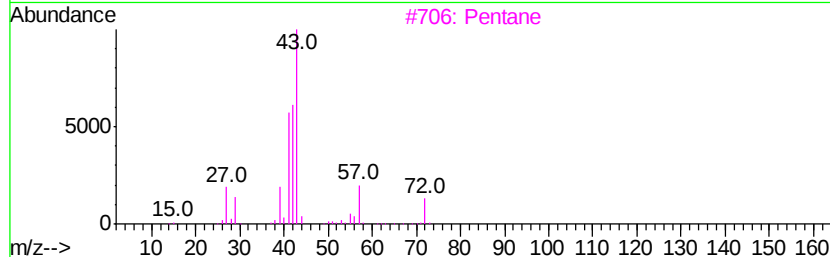
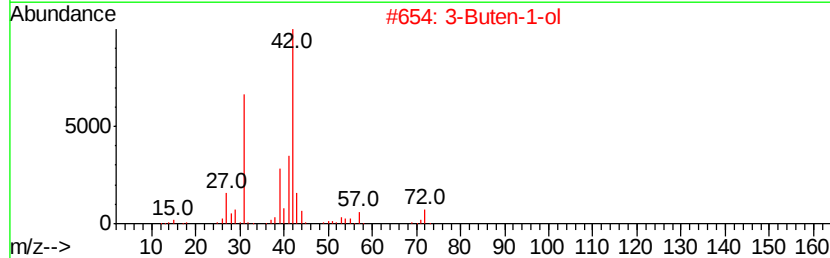
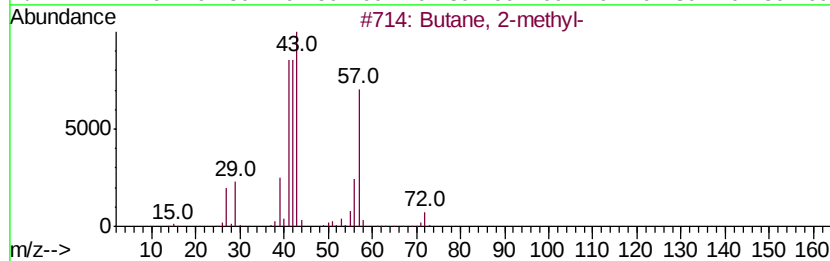
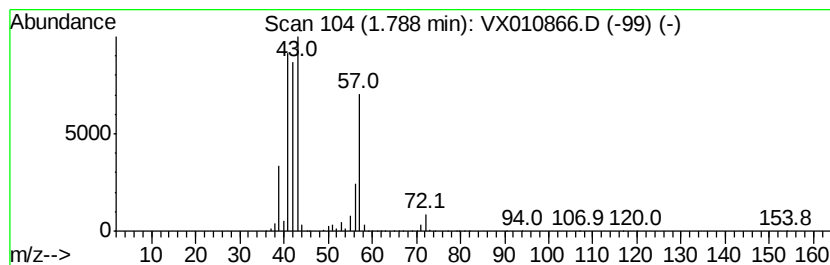
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260

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

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Peak Number 1 Butane, 2-methyl- Concentration Rank 5

| R.T. | EstConc    | Area    | Relative to ISTD   | R.T. |
|------|------------|---------|--------------------|------|
| 1.79 | 83.70 ug/l | 1450060 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methyl-          | 72  | C5H12   | 000078-78-4 | 94   |
| 2    |    | 3-Buten-1-ol               | 72  | C4H8O   | 000627-27-0 | 43   |
| 3    |    | Pentane                    | 72  | C5H12   | 000109-66-0 | 33   |
| 4    |    | Butane, 1-chloro-2-methyl- | 106 | C5H11Cl | 000616-13-7 | 16   |
| 5    |    | Propane, 2-methyl-2-nitro- | 103 | C4H9NO2 | 000594-70-7 | 10   |



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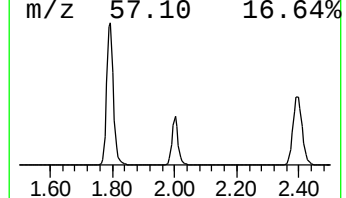
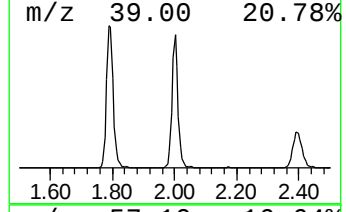
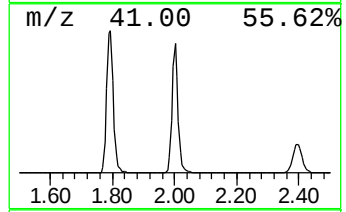
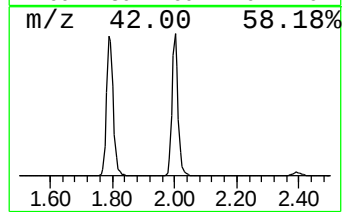
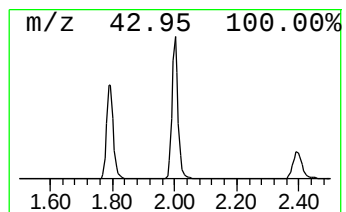
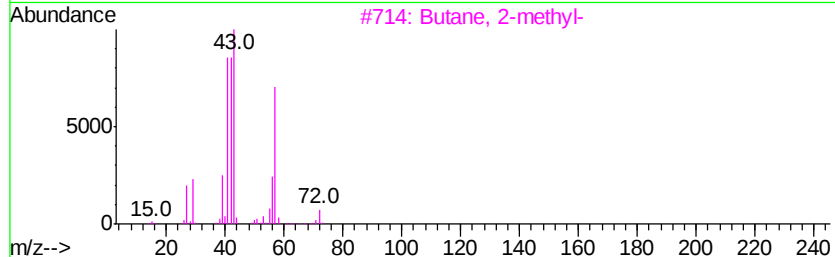
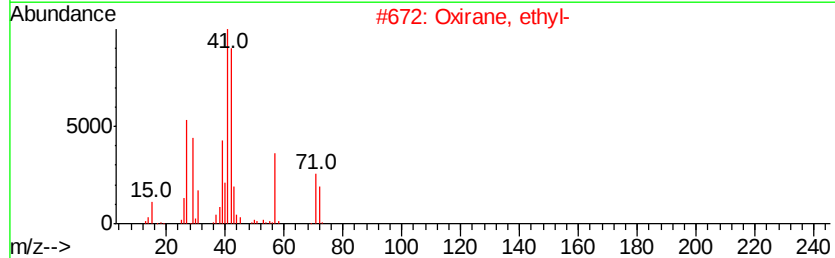
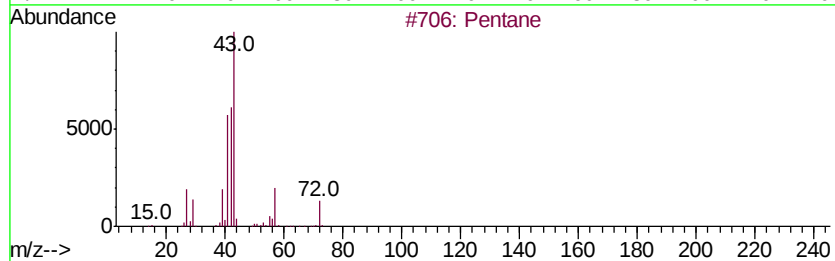
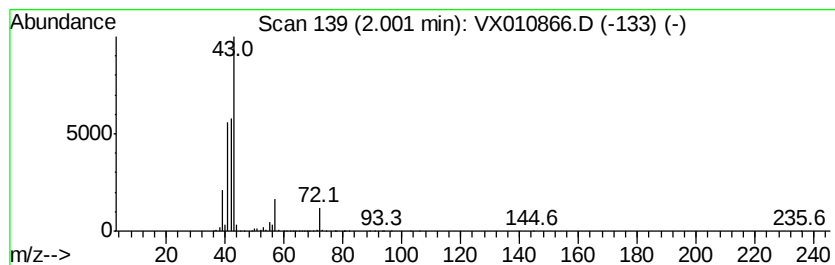
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Quant Title : SW846 8260

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

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Peak Number 2 Pentane Concentration Rank 7

| R.T. | EstConc    | Area    | Relative to ISTD   | R.T. |
|------|------------|---------|--------------------|------|
| 2.00 | 76.00 ug/l | 1316600 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane                    | 72  | C5H12   | 000109-66-0 | 91   |
| 2    |    | Oxirane, ethyl-            | 72  | C4H8O   | 000106-88-7 | 50   |
| 3    |    | Butane, 2-methyl-          | 72  | C5H12   | 000078-78-4 | 42   |
| 4    |    | Diaziridine, 3,3-dimethyl- | 72  | C3H8N2  | 004901-76-2 | 35   |
| 5    |    | Isobutyl nitrite           | 103 | C4H9NO2 | 000542-56-3 | 9    |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071219\  
Data File : VX010866.D  
Acq On : 13 Jul 2019 03:19  
Operator : JC/SP  
Sample : K3791-13  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FL-0604

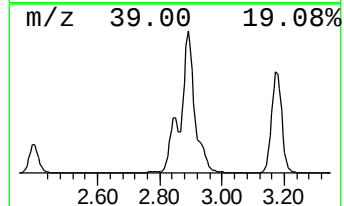
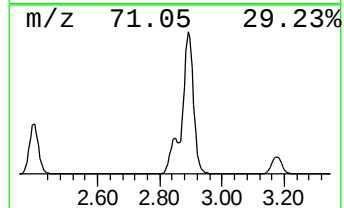
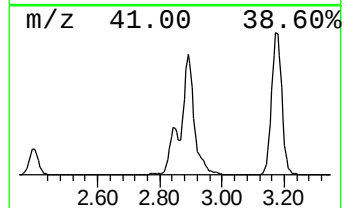
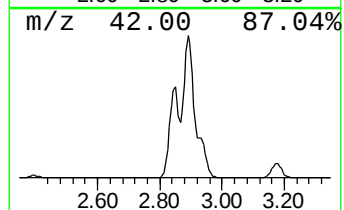
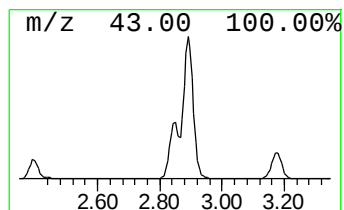
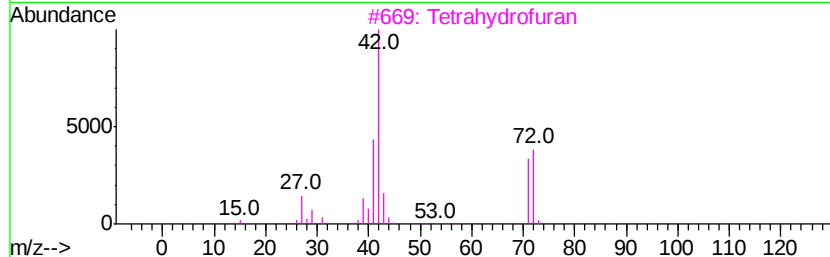
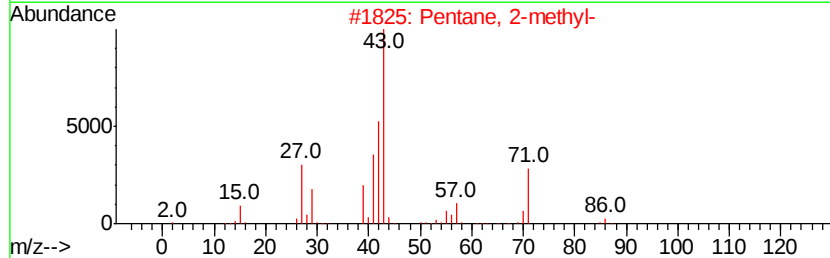
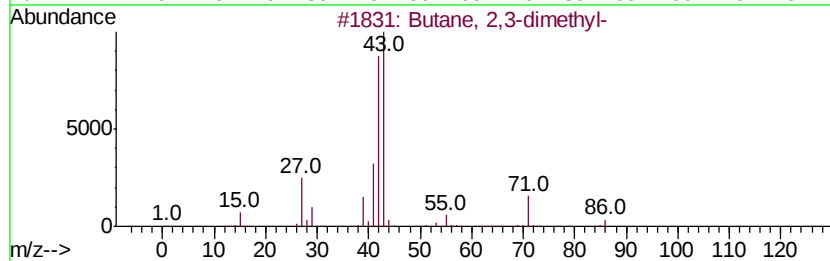
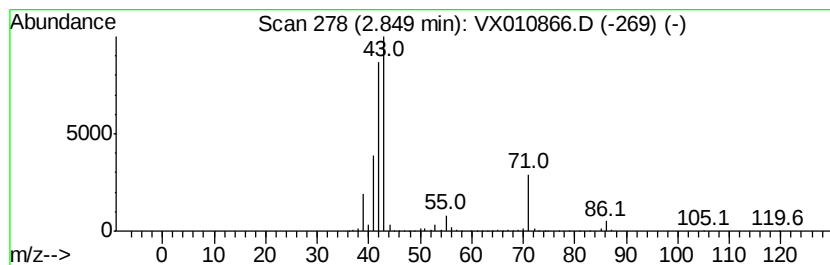
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Quant Title : SW846 8260

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

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

| R.T. | EstConc    | Area    | Relative to ISTD   | R.T. |
|------|------------|---------|--------------------|------|
| 2.85 | 64.87 ug/l | 1123820 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID          | MW | MolForm | CAS#        | Qual |
|------|----|-----------------------|----|---------|-------------|------|
| 1    | 5  | Butane, 2,3-dimethyl- | 86 | C6H14   | 000079-29-8 | 86   |
| 2    |    | Pentane, 2-methyl-    | 86 | C6H14   | 000107-83-5 | 50   |
| 3    |    | Tetrahydrofuran       | 72 | C4H8O   | 000109-99-9 | 38   |
| 4    |    | Butane, 2-methyl-     | 72 | C5H12   | 000078-78-4 | 36   |
| 5    |    | Pyrrolidine           | 71 | C4H9N   | 000123-75-1 | 12   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071219\  
Data File : VX010866.D  
Acq On : 13 Jul 2019 03:19  
Operator : JC/SP  
Sample : K3791-13  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FL-0604

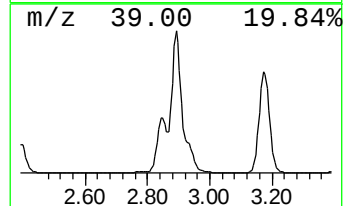
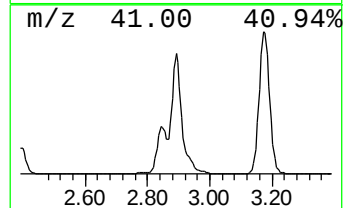
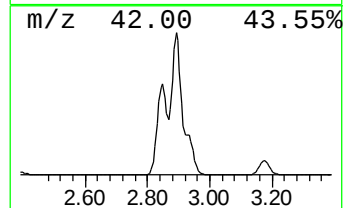
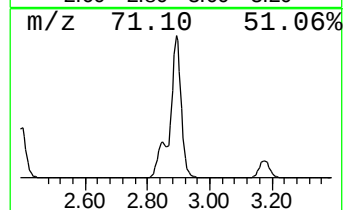
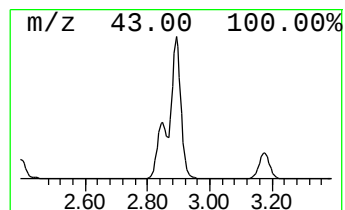
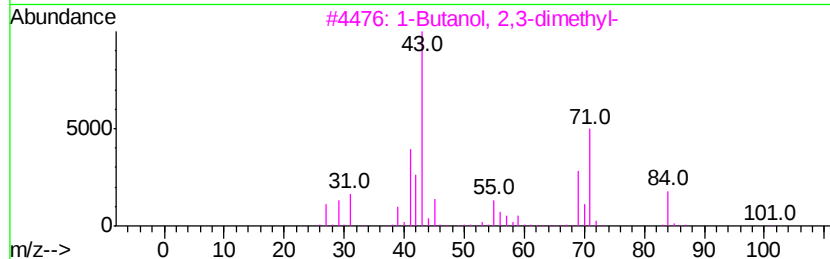
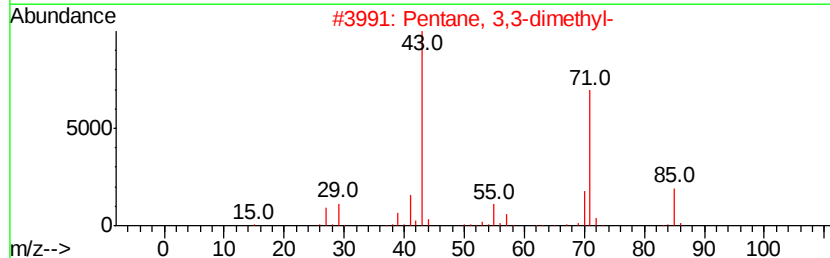
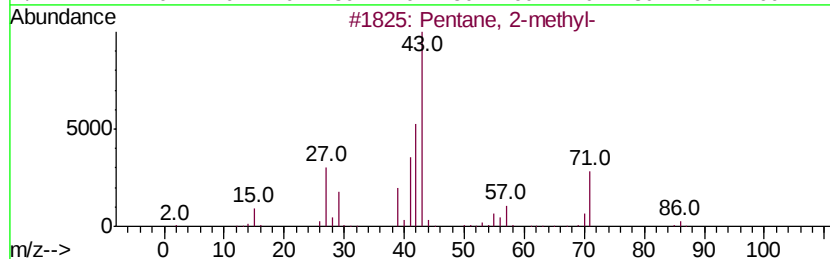
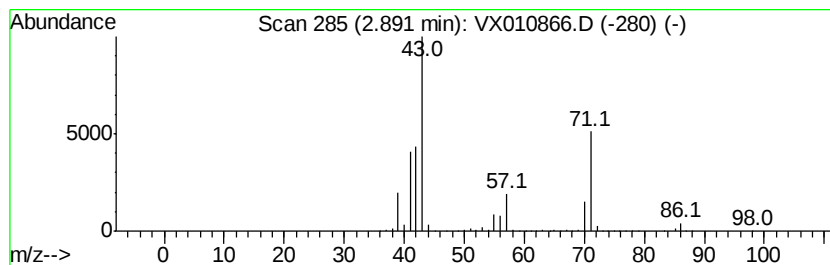
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Pentane, 2-methyl- Concentration Rank 2

| R.T. | EstConc     | Area    | Relative to ISTD   | R.T. |
|------|-------------|---------|--------------------|------|
| 2.89 | 208.20 ug/l | 3606860 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 2-methyl-        | 86  | C6H14   | 000107-83-5 | 83   |
| 2    |    | Pentane, 3,3-dimethyl-    | 100 | C7H16   | 000562-49-2 | 38   |
| 3    |    | 1-Butanol, 2,3-dimethyl-  | 102 | C6H14O  | 019550-30-2 | 38   |
| 4    |    | Pentane, 2,3,4-trimethyl- | 114 | C8H18   | 000565-75-3 | 37   |
| 5    |    | Butane, 2,3-dimethyl-     | 86  | C6H14   | 000079-29-8 | 37   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071219\  
Data File : VX010866.D  
Acq On : 13 Jul 2019 03:19  
Operator : JC/SP  
Sample : K3791-13  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FL-0604

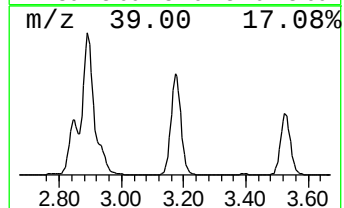
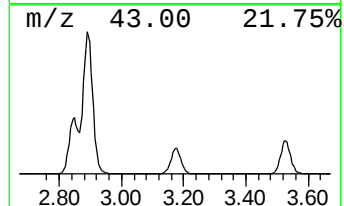
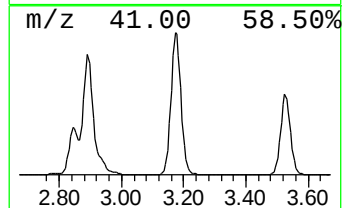
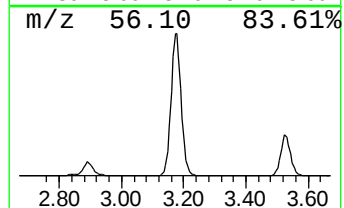
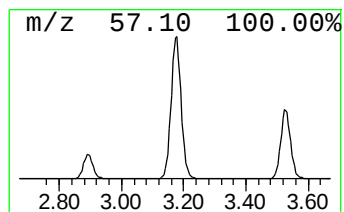
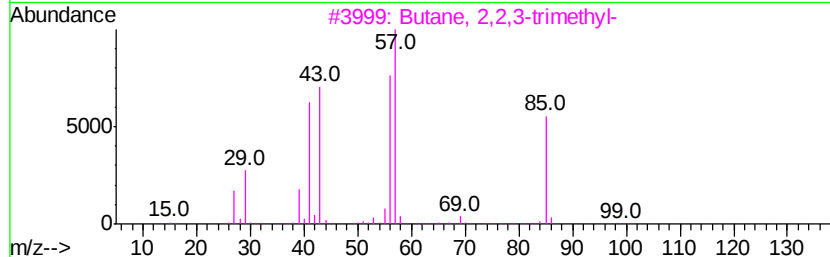
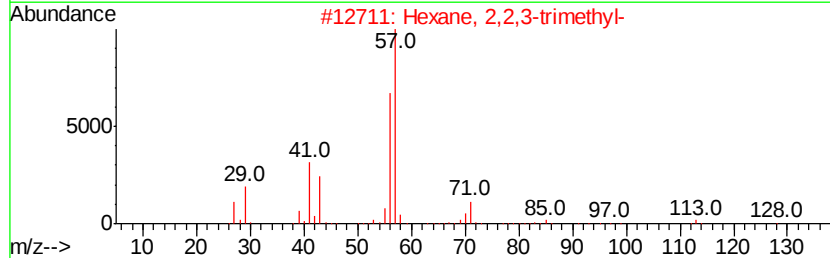
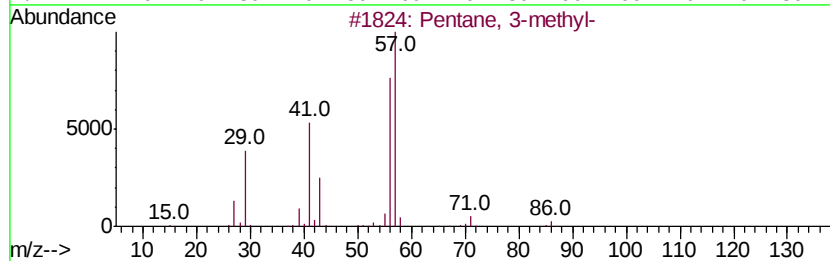
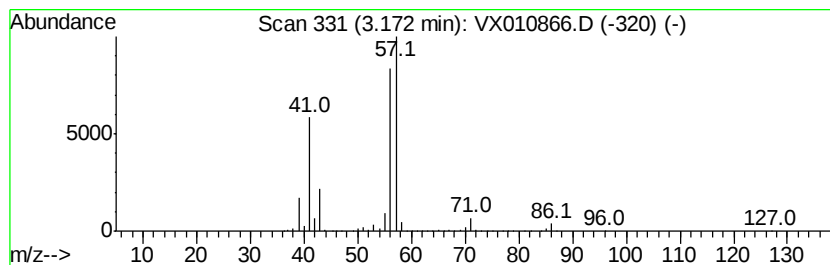
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 Pentane, 3-methyl- Concentration Rank 3

| R.T. | EstConc     | Area    | Relative to ISTD   | R.T. |
|------|-------------|---------|--------------------|------|
| 3.17 | 168.52 ug/l | 2919410 | 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 | 74   |
| 3    |    | Butane, 2,2,3-trimethyl-       | 100 | C7H16   | 000464-06-2 | 64   |
| 4    |    | Oxirane, (1-methylethyl)-      | 86  | C5H10O  | 001438-14-8 | 45   |
| 5    |    | Pentane, 3-ethyl-2,2-dimethyl- | 128 | C9H20   | 016747-32-3 | 43   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071219\  
Data File : VX010866.D  
Acq On : 13 Jul 2019 03:19  
Operator : JC/SP  
Sample : K3791-13  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260

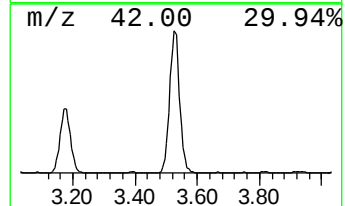
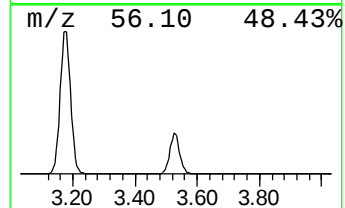
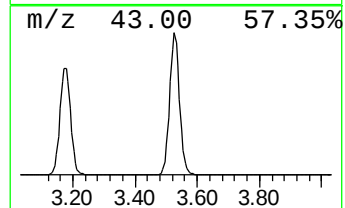
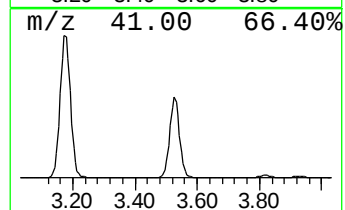
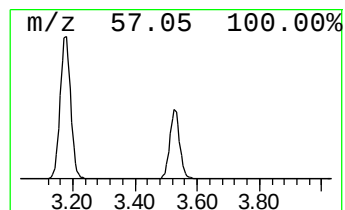
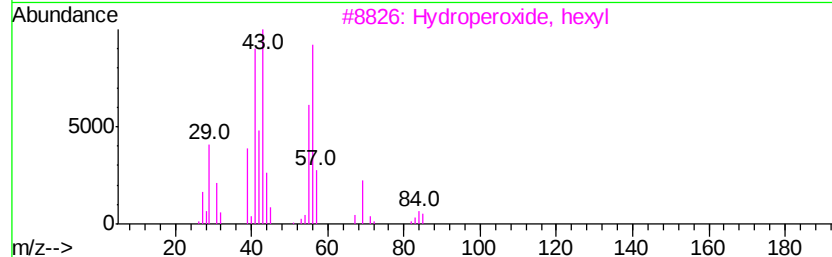
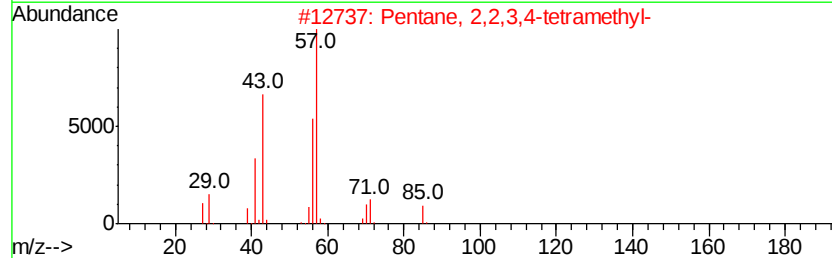
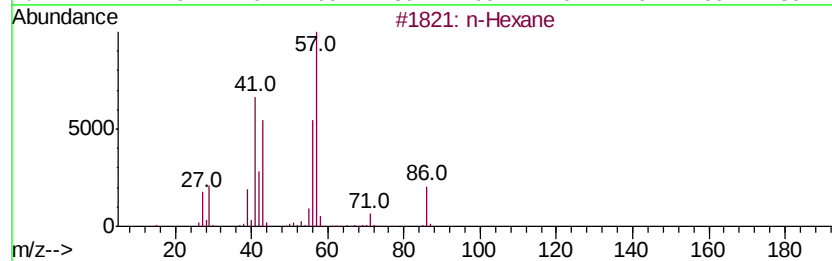
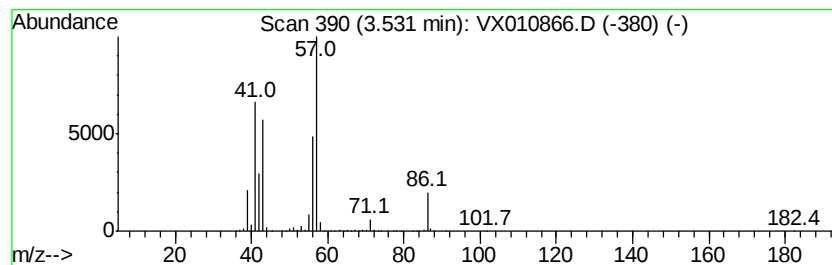
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 n-Hexane Concentration Rank 4

| R.T. | EstConc    | Area    | Relative to ISTD   | R.T. |
|------|------------|---------|--------------------|------|
| 3.53 | 93.12 ug/l | 1613240 | 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\VX071219\  
Data File : VX010866.D  
Acq On : 13 Jul 2019 03:19  
Operator : JC/SP  
Sample : K3791-13  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FL-0604

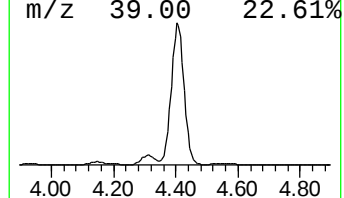
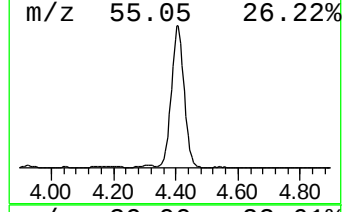
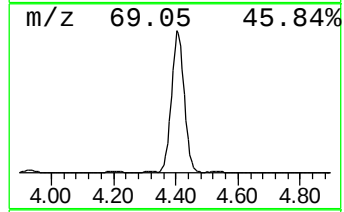
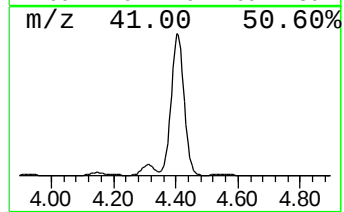
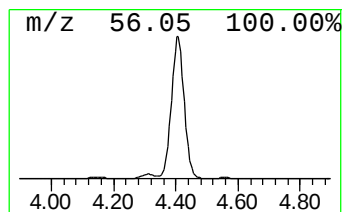
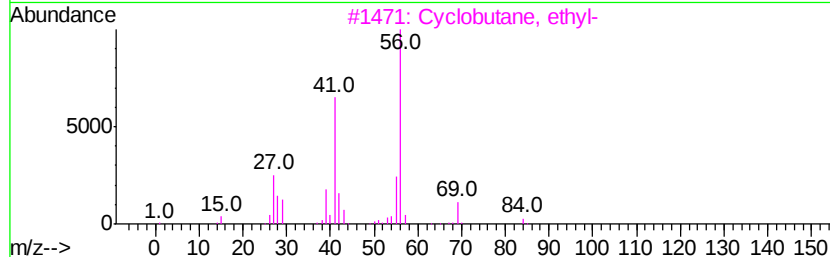
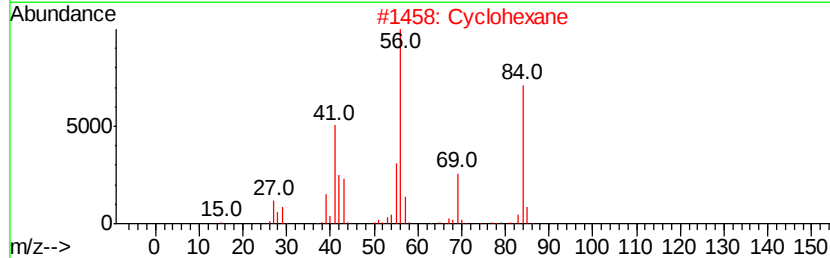
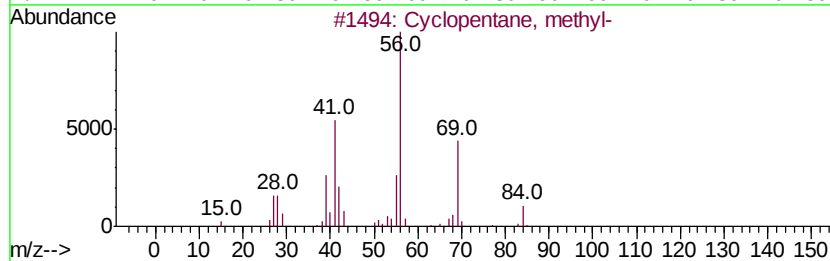
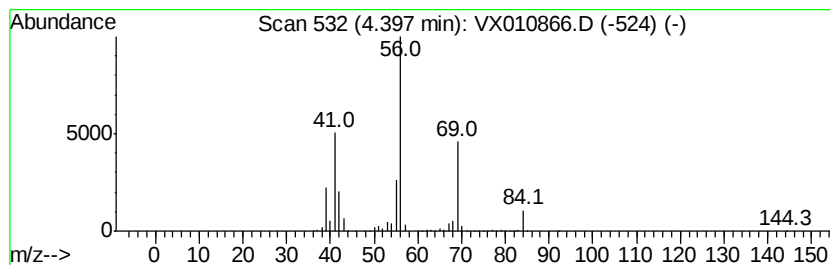
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Quant Title : SW846 8260

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

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Peak Number 7 Cyclopentane, methyl- Concentration Rank 1

| R.T. | EstConc     | Area    | Relative to ISTD   | R.T. |
|------|-------------|---------|--------------------|------|
| 4.40 | 209.19 ug/l | 3624030 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID          | MW | MolForm | CAS#        | Qual |
|------|----|-----------------------|----|---------|-------------|------|
| 1    | 5  | Cyclopentane, methyl- | 84 | C6H12   | 000096-37-7 | 94   |
| 2    |    | Cyclohexane           | 84 | C6H12   | 000110-82-7 | 83   |
| 3    |    | Cyclobutane, ethyl-   | 84 | C6H12   | 004806-61-5 | 72   |
| 4    |    | Cyclopropane, propyl- | 84 | C6H12   | 002415-72-7 | 59   |
| 5    |    | 1-Pentene, 2-methyl-  | 84 | C6H12   | 000763-29-1 | 49   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071219\  
Data File : VX010866.D  
Acq On : 13 Jul 2019 03:19  
Operator : JC/SP  
Sample : K3791-13  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
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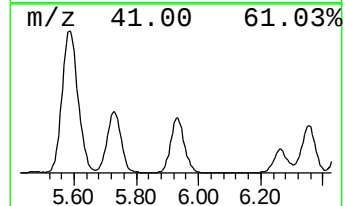
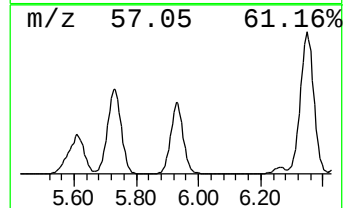
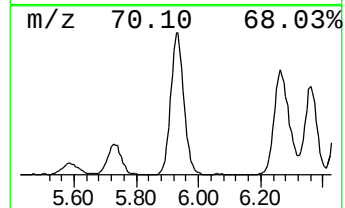
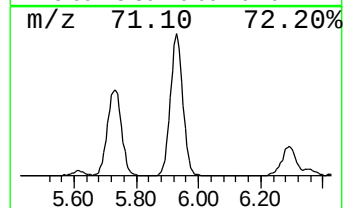
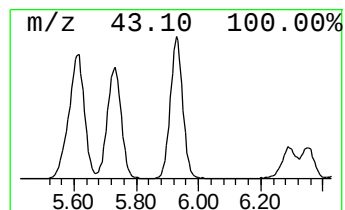
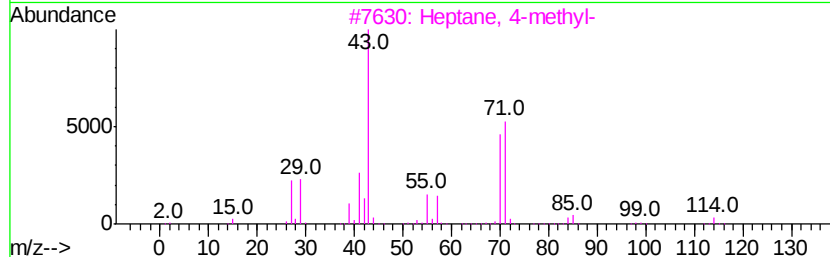
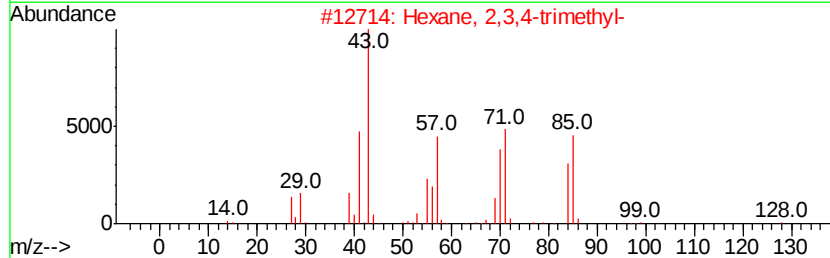
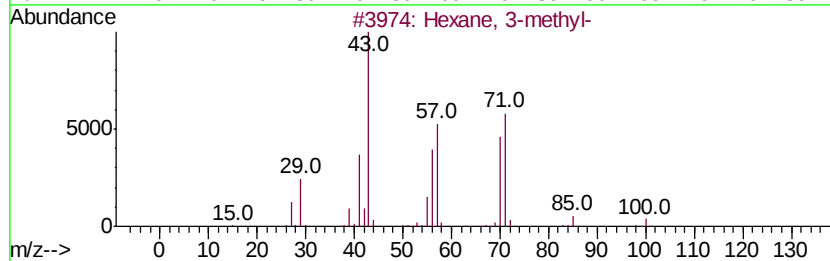
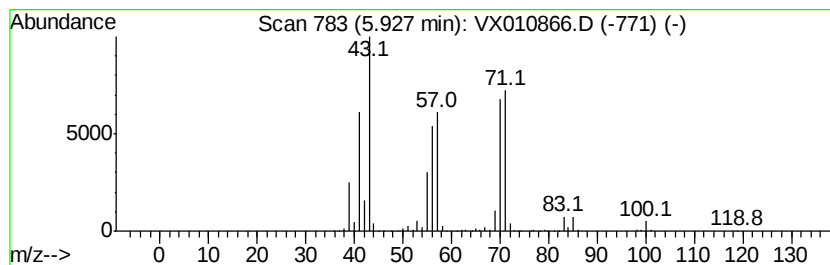
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 8 Hexane, 3-methyl- Concentration Rank 10

| R.T. | EstConc    | Area    | Relative to ISTD   | R.T. |
|------|------------|---------|--------------------|------|
| 5.93 | 60.33 ug/l | 1045100 | Pentafluorobenzene | 5.67 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexane, 3-methyl-         | 100 | C7H16   | 000589-34-4 | 86   |
| 2    |    | Hexane, 2,3,4-trimethyl-  | 128 | C9H20   | 000921-47-1 | 59   |
| 3    |    | Heptane, 4-methyl-        | 114 | C8H18   | 000589-53-7 | 50   |
| 4    |    | 3,3-Dimethyl-2-pentanol   | 116 | C7H16O  | 019781-24-9 | 50   |
| 5    |    | Pentane, 2,3,3-trimethyl- | 114 | C8H18   | 000560-21-4 | 50   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071219\  
Data File : VX010866.D  
Acq On : 13 Jul 2019 03:19  
Operator : JC/SP  
Sample : K3791-13  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
FL-0604

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.M  
Quant Title : SW846 8260

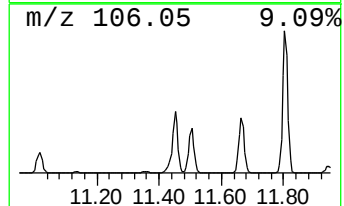
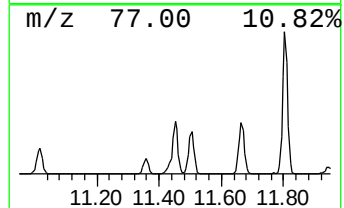
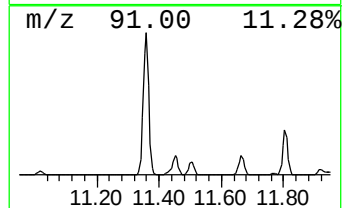
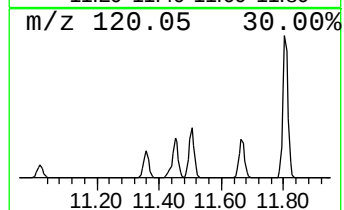
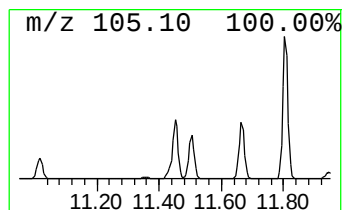
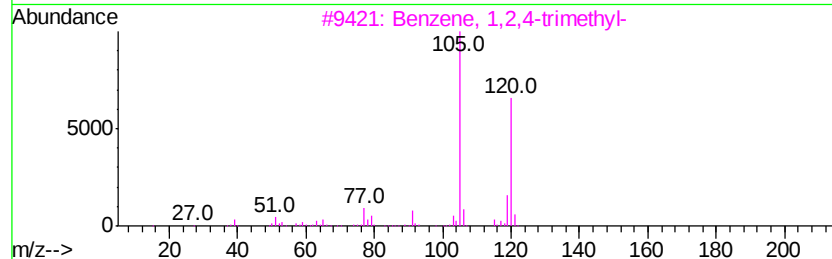
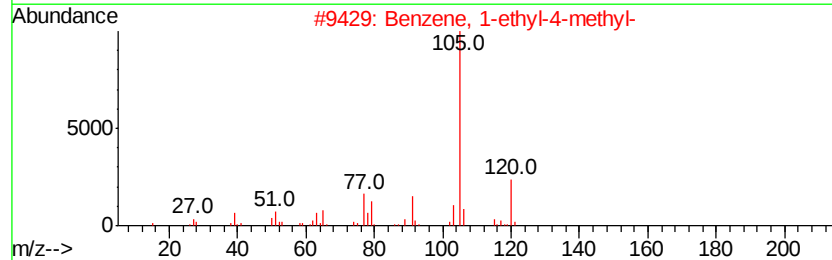
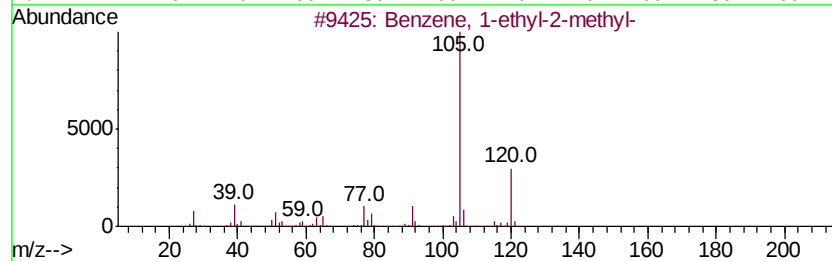
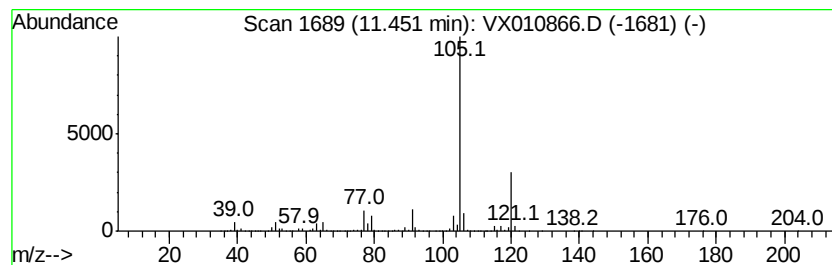
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 11.45 | 79.49 ug/l | 1951640 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 2    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 93   |
| 3    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |
| 4    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 5    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 91   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX071219\  
Data File : VX010866.D  
Acq On : 13 Jul 2019 03:19  
Operator : JC/SP  
Sample : K3791-13  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FL-0604

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061919W.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  | 83.7    | ug/l  | 1450060  | 1                     | 5.67  | 866214  | 50.0 |
| Pentane              | 2.00  | 76.0    | ug/l  | 1316600  | 1                     | 5.67  | 866214  | 50.0 |
| Butane, 2,3-dimet... | 2.85  | 64.9    | ug/l  | 1123820  | 1                     | 5.67  | 866214  | 50.0 |
| Pentane, 2-methyl-   | 2.89  | 208.2   | ug/l  | 3606860  | 1                     | 5.67  | 866214  | 50.0 |
| Pentane, 3-methyl-   | 3.17  | 168.5   | ug/l  | 2919410  | 1                     | 5.67  | 866214  | 50.0 |
| n-Hexane             | 3.53  | 93.1    | ug/l  | 1613240  | 1                     | 5.67  | 866214  | 50.0 |
| Cyclopentane, met... | 4.40  | 209.2   | ug/l  | 3624030  | 1                     | 5.67  | 866214  | 50.0 |
| Hexane, 3-methyl-    | 5.93  | 60.3    | ug/l  | 1045100  | 1                     | 5.67  | 866214  | 50.0 |
| Benzene, 1-ethyl-... | 11.45 | 79.5    | ug/l  | 1951640  | 4                     | 12.08 | 1227610 | 50.0 |