

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032919\  
 Data File : VX008547.D  
 Acq On : 29 Mar 2019 16:36  
 Operator : JC/SP  
 Sample : K2121-08  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP

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\82X032519W.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         | 1.312       | 22            | 26          | 35           | rBV      | 36566          | 112186        | 4.14%           | 0.249%        |
| 2         | 1.580       | 67            | 70          | 79           | rVB      | 28666          | 53288         | 1.97%           | 0.118%        |
| 3         | 3.166       | 324           | 330         | 345          | rVB3     | 21213          | 49320         | 1.82%           | 0.109%        |
| 4         | 4.598       | 550           | 565         | 592          | rVB      | 938674         | 2635713       | 97.32%          | 5.839%        |
| 5         | 5.500       | 699           | 713         | 723          | rBV      | 133262         | 391396        | 14.45%          | 0.867%        |
| 6         | 5.659       | 730           | 739         | 758          | rVB      | 238868         | 693728        | 25.62%          | 1.537%        |
| 7         | 6.061       | 794           | 805         | 814          | rBV      | 166647         | 437552        | 16.16%          | 0.969%        |
| 8         | 6.354       | 842           | 853         | 861          | rVB2     | 16991          | 58266         | 2.15%           | 0.129%        |
| 9         | 6.860       | 926           | 936         | 946          | rBV      | 383765         | 913166        | 33.72%          | 2.023%        |
| 10        | 7.464       | 1023          | 1035        | 1044         | rBV3     | 21441          | 57073         | 2.11%           | 0.126%        |
| 11        | 8.177       | 1143          | 1152        | 1156         | rBV2     | 27439          | 61790         | 2.28%           | 0.137%        |
| 12        | 8.713       | 1234          | 1240        | 1246         | rBV      | 813263         | 1221939       | 45.12%          | 2.707%        |
| 13        | 8.787       | 1246          | 1252        | 1259         | rVB      | 988497         | 1516198       | 55.98%          | 3.359%        |
| 14        | 9.957       | 1440          | 1444        | 1448         | rVB      | 36196          | 49372         | 1.82%           | 0.109%        |
| 15        | 10.109      | 1464          | 1469        | 1475         | rVV      | 722313         | 1001806       | 36.99%          | 2.219%        |
| 16        | 10.250      | 1486          | 1492        | 1498         | rBV      | 316766         | 419703        | 15.50%          | 0.930%        |
| 17        | 10.359      | 1502          | 1510        | 1515         | rVV      | 1886588        | 2708227       | 100.00%         | 6.000%        |
| 18        | 10.414      | 1515          | 1519        | 1526         | rVB      | 167766         | 213860        | 7.90%           | 0.474%        |
| 19        | 10.640      | 1549          | 1556        | 1560         | rBV4     | 62274          | 104153        | 3.85%           | 0.231%        |
| 20        | 10.695      | 1560          | 1565        | 1575         | rVB      | 1154174        | 1556995       | 57.49%          | 3.449%        |
| 21        | 10.835      | 1580          | 1588        | 1592         | rBV      | 97350          | 148104        | 5.47%           | 0.328%        |
| 22        | 10.908      | 1597          | 1600        | 1604         | rVV2     | 81073          | 116442        | 4.30%           | 0.258%        |
| 23        | 10.945      | 1604          | 1606        | 1611         | rVB      | 39796          | 55082         | 2.03%           | 0.122%        |
| 24        | 11.012      | 1611          | 1617        | 1621         | rBV2     | 44175          | 78558         | 2.90%           | 0.174%        |
| 25        | 11.085      | 1621          | 1629        | 1632         | rBV      | 78779          | 138992        | 5.13%           | 0.308%        |
| 26        | 11.134      | 1632          | 1637        | 1648         | rVB2     | 741341         | 1216271       | 44.91%          | 2.695%        |
| 27        | 11.243      | 1648          | 1655        | 1658         | rBV      | 170645         | 256829        | 9.48%           | 0.569%        |
| 28        | 11.274      | 1658          | 1660        | 1663         | rVB2     | 50799          | 52410         | 1.94%           | 0.116%        |
| 29        | 11.359      | 1670          | 1674        | 1677         | rBV      | 100091         | 122286        | 4.52%           | 0.271%        |
| 30        | 11.432      | 1681          | 1686        | 1693         | rVV      | 903205         | 1580589       | 58.36%          | 3.502%        |
| 31        | 11.506      | 1693          | 1698        | 1700         | rVV      | 1077889        | 1534845       | 56.67%          | 3.400%        |
| 32        | 11.530      | 1700          | 1702        | 1706         | rVV      | 1205036        | 1224251       | 45.20%          | 2.712%        |
| 33        | 11.560      | 1706          | 1707        | 1712         | rVB3     | 56432          | 57838         | 2.14%           | 0.128%        |
| 34        | 11.664      | 1720          | 1724        | 1732         | rBV      | 619103         | 909076        | 33.57%          | 2.014%        |

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 Sample : K2121-08  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP

## 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\82X032519W.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 11.737 | 1732 | 1736 | 1738 | rVV  | 104741  | 141663  | 5.23%  | 0.314% |
| 36 | 11.768 | 1738 | 1741 | 1743 | rVV  | 329864  | 369003  | 13.63% | 0.818% |
| 37 | 11.804 | 1743 | 1747 | 1757 | rVB  | 1890361 | 2385673 | 88.09% | 5.285% |
| 38 | 11.890 | 1757 | 1761 | 1764 | rBV  | 114333  | 168301  | 6.21%  | 0.373% |
| 39 | 11.920 | 1764 | 1766 | 1767 | rVV2 | 52967   | 52743   | 1.95%  | 0.117% |
| 40 | 11.944 | 1767 | 1770 | 1774 | rVB2 | 106252  | 132427  | 4.89%  | 0.293% |
| 41 | 11.993 | 1774 | 1778 | 1781 | rBV3 | 180280  | 283442  | 10.47% | 0.628% |
| 42 | 12.024 | 1781 | 1783 | 1786 | rVV  | 234748  | 265567  | 9.81%  | 0.588% |
| 43 | 12.079 | 1786 | 1792 | 1797 | rVV3 | 744060  | 1279223 | 47.23% | 2.834% |
| 44 | 12.140 | 1797 | 1802 | 1809 | rVV2 | 1126055 | 1798242 | 66.40% | 3.984% |
| 45 | 12.225 | 1813 | 1816 | 1823 | rVB2 | 280021  | 349627  | 12.91% | 0.775% |
| 46 | 12.298 | 1823 | 1828 | 1830 | rBV  | 449435  | 591091  | 21.83% | 1.310% |
| 47 | 12.322 | 1830 | 1832 | 1835 | rVB  | 375845  | 366006  | 13.51% | 0.811% |
| 48 | 12.371 | 1835 | 1840 | 1846 | rVB2 | 981301  | 1337966 | 49.40% | 2.964% |
| 49 | 12.432 | 1846 | 1850 | 1852 | rBV3 | 36554   | 57591   | 2.13%  | 0.128% |
| 50 | 12.475 | 1852 | 1857 | 1861 | rBV  | 1519401 | 1679695 | 62.02% | 3.721% |
| 51 | 12.518 | 1861 | 1864 | 1870 | rVB  | 268577  | 376037  | 13.88% | 0.833% |
| 52 | 12.585 | 1870 | 1875 | 1877 | rBV  | 296946  | 405764  | 14.98% | 0.899% |
| 53 | 12.609 | 1877 | 1879 | 1882 | rVV  | 293200  | 329689  | 12.17% | 0.730% |
| 54 | 12.664 | 1885 | 1888 | 1892 | rVB  | 634722  | 708910  | 26.18% | 1.571% |
| 55 | 12.768 | 1897 | 1905 | 1910 | rVV4 | 201293  | 532611  | 19.67% | 1.180% |
| 56 | 12.810 | 1910 | 1912 | 1915 | rVV3 | 53641   | 58173   | 2.15%  | 0.129% |
| 57 | 12.847 | 1915 | 1918 | 1921 | rVV2 | 112641  | 151940  | 5.61%  | 0.337% |
| 58 | 12.902 | 1924 | 1927 | 1930 | rVV2 | 190618  | 223215  | 8.24%  | 0.495% |
| 59 | 12.975 | 1930 | 1939 | 1943 | rVV  | 601016  | 989268  | 36.53% | 2.192% |
| 60 | 13.017 | 1943 | 1946 | 1952 | rVB  | 740515  | 911237  | 33.65% | 2.019% |
| 61 | 13.097 | 1952 | 1959 | 1962 | rBV6 | 129212  | 257302  | 9.50%  | 0.570% |
| 62 | 13.121 | 1962 | 1963 | 1966 | rVB  | 64149   | 50462   | 1.86%  | 0.112% |
| 63 | 13.225 | 1972 | 1980 | 1983 | rBV2 | 154637  | 253767  | 9.37%  | 0.562% |
| 64 | 13.341 | 1996 | 1999 | 2004 | rVB2 | 642399  | 914863  | 33.78% | 2.027% |
| 65 | 13.389 | 2004 | 2007 | 2011 | rVB  | 459953  | 538691  | 19.89% | 1.193% |
| 66 | 13.432 | 2011 | 2014 | 2017 | rVB2 | 62655   | 82996   | 3.06%  | 0.184% |
| 67 | 13.475 | 2017 | 2021 | 2027 | rVB  | 177930  | 246821  | 9.11%  | 0.547% |
| 68 | 13.603 | 2038 | 2042 | 2044 | rBV  | 78575   | 92708   | 3.42%  | 0.205% |
| 69 | 13.651 | 2044 | 2050 | 2055 | rBV4 | 109158  | 188711  | 6.97%  | 0.418% |
| 70 | 13.731 | 2055 | 2063 | 2066 | rBV4 | 61152   | 149762  | 5.53%  | 0.332% |
| 71 | 13.792 | 2070 | 2073 | 2075 | rBV2 | 51662   | 58792   | 2.17%  | 0.130% |

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 DUP

## 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\82X032519W.M  
 Title : SW846 8260

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 13.828 | 2075 | 2079 | 2086 | rVB  | 337949 | 491227 | 18.14% | 1.088% |
| 73  | 13.895 | 2086 | 2090 | 2097 | rVB3 | 107296 | 184237 | 6.80%  | 0.408% |
| 74  | 13.981 | 2098 | 2104 | 2108 | rVB6 | 52900  | 115583 | 4.27%  | 0.256% |
| 75  | 14.029 | 2108 | 2112 | 2117 | rBV3 | 39900  | 95884  | 3.54%  | 0.212% |
| 76  | 14.090 | 2118 | 2122 | 2125 | rBV  | 236104 | 262542 | 9.69%  | 0.582% |
| 77  | 14.127 | 2125 | 2128 | 2130 | rVV2 | 66499  | 76721  | 2.83%  | 0.170% |
| 78  | 14.157 | 2130 | 2133 | 2141 | rVB3 | 140680 | 230981 | 8.53%  | 0.512% |
| 79  | 14.273 | 2148 | 2152 | 2157 | rVB5 | 59211  | 102639 | 3.79%  | 0.227% |
| 80  | 14.377 | 2164 | 2169 | 2173 | rVB3 | 41841  | 78607  | 2.90%  | 0.174% |
| 81  | 14.432 | 2174 | 2178 | 2180 | rVV2 | 70158  | 101994 | 3.77%  | 0.226% |
| 82  | 14.462 | 2180 | 2183 | 2185 | rVV2 | 83562  | 116273 | 4.29%  | 0.258% |
| 83  | 14.487 | 2185 | 2187 | 2190 | rVV3 | 61735  | 74070  | 2.73%  | 0.164% |
| 84  | 14.523 | 2190 | 2193 | 2196 | rVV2 | 72340  | 105311 | 3.89%  | 0.233% |
| 85  | 14.560 | 2196 | 2199 | 2205 | rVV2 | 131083 | 248592 | 9.18%  | 0.551% |
| 86  | 14.621 | 2205 | 2209 | 2213 | rVV  | 83932  | 112007 | 4.14%  | 0.248% |
| 87  | 14.670 | 2213 | 2217 | 2219 | rVV  | 173135 | 231170 | 8.54%  | 0.512% |
| 88  | 14.694 | 2219 | 2221 | 2230 | rVB  | 212793 | 254498 | 9.40%  | 0.564% |
| 89  | 14.810 | 2236 | 2240 | 2242 | rBV  | 149336 | 156257 | 5.77%  | 0.346% |
| 90  | 14.840 | 2242 | 2245 | 2250 | rVB3 | 141019 | 202762 | 7.49%  | 0.449% |
| 91  | 14.901 | 2250 | 2255 | 2258 | rBV3 | 55546  | 96699  | 3.57%  | 0.214% |
| 92  | 15.163 | 2293 | 2298 | 2301 | rBV2 | 77682  | 135552 | 5.01%  | 0.300% |
| 93  | 15.194 | 2301 | 2303 | 2306 | rVV  | 44445  | 52607  | 1.94%  | 0.117% |
| 94  | 15.243 | 2307 | 2311 | 2313 | rVV2 | 72875  | 112264 | 4.15%  | 0.249% |
| 95  | 15.273 | 2313 | 2316 | 2320 | rVV  | 266119 | 348250 | 12.86% | 0.772% |
| 96  | 15.340 | 2323 | 2327 | 2331 | rVB  | 126420 | 178486 | 6.59%  | 0.395% |
| 97  | 15.554 | 2357 | 2362 | 2368 | rVB2 | 98724  | 158715 | 5.86%  | 0.352% |
| 98  | 15.688 | 2381 | 2384 | 2397 | rVB6 | 55244  | 160083 | 5.91%  | 0.355% |
| 99  | 15.962 | 2424 | 2429 | 2435 | rBV3 | 31384  | 70801  | 2.61%  | 0.157% |
| 100 | 16.230 | 2470 | 2473 | 2479 | rVB  | 34546  | 55793  | 2.06%  | 0.124% |

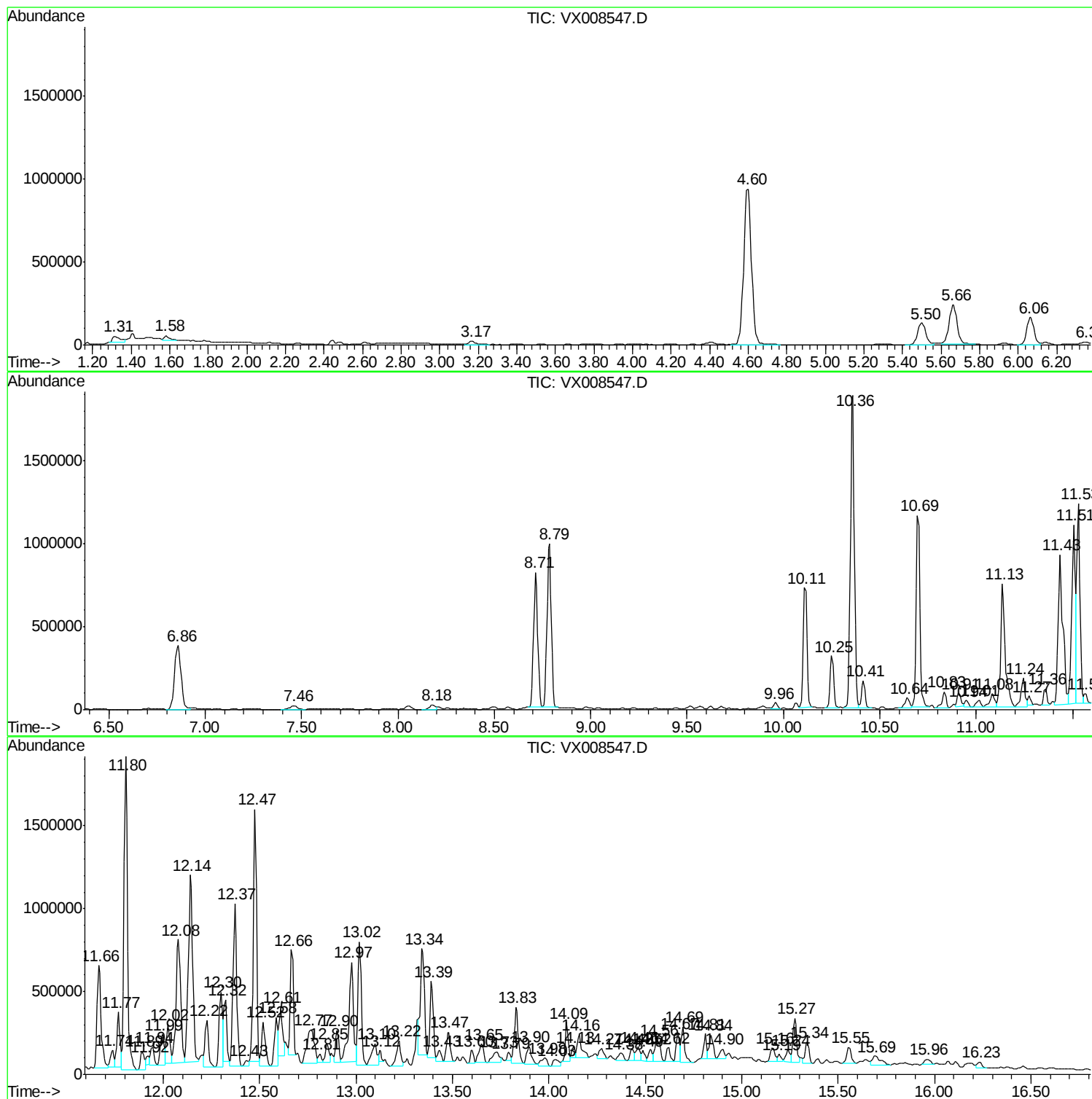
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X032519W.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032919\  
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Acq On : 29 Mar 2019 16:36  
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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
DUP

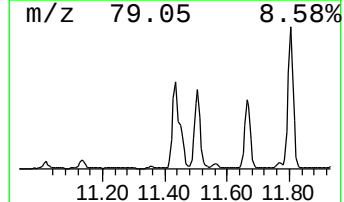
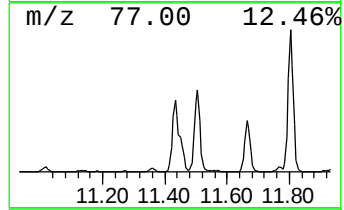
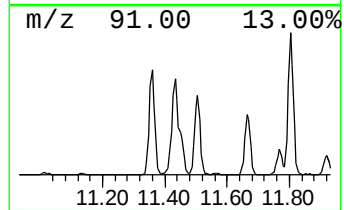
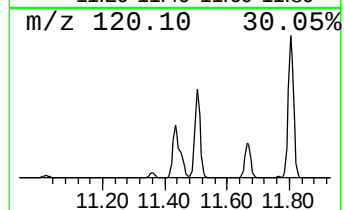
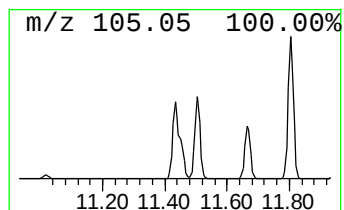
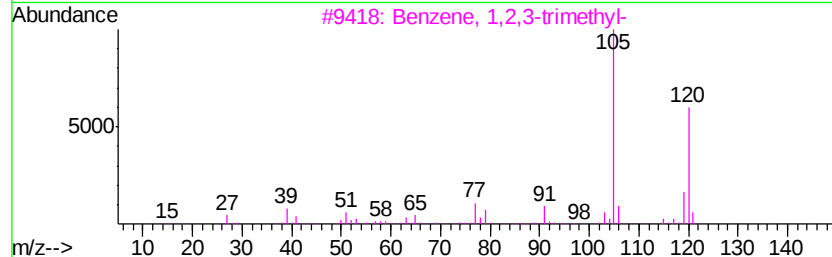
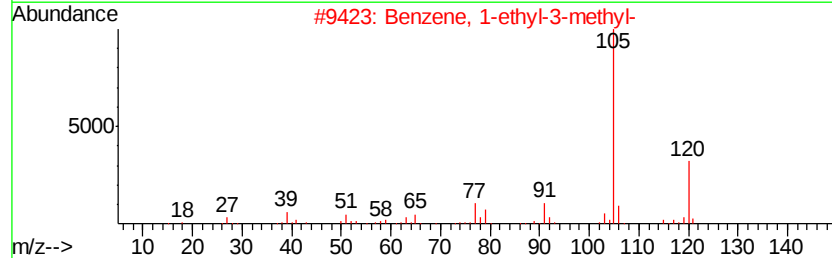
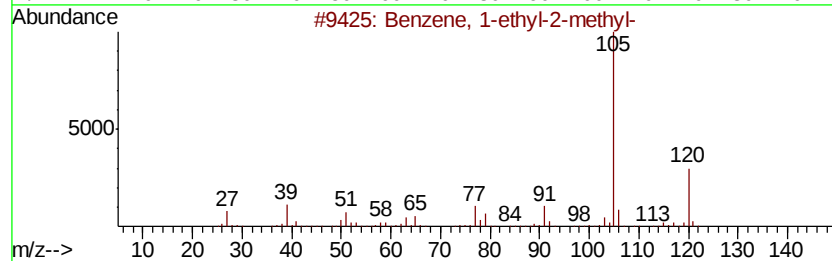
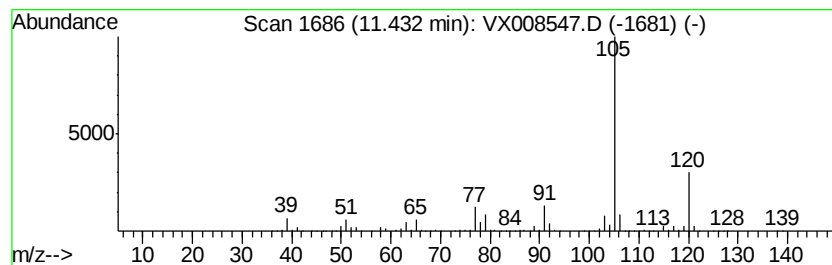
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X032519W.M  
Quant Title : SW846 8260

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

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

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 11.43 | 61.78 ug/l | 1580590 | 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-3-methyl- | 120 | C9H12   | 000620-14-4 | 95   |
| 3    |    | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |
| 4    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 5    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |



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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
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DUP

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X032519W.M  
Quant Title : SW846 8260

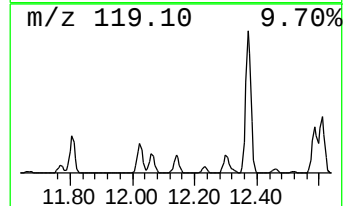
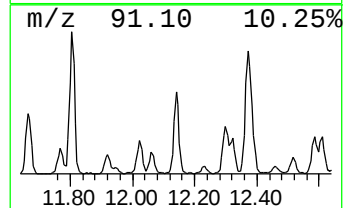
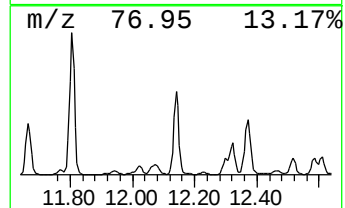
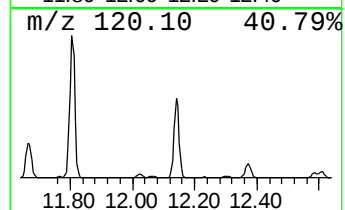
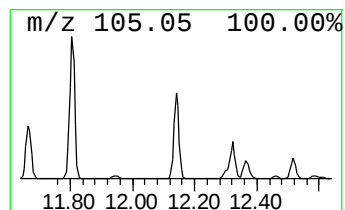
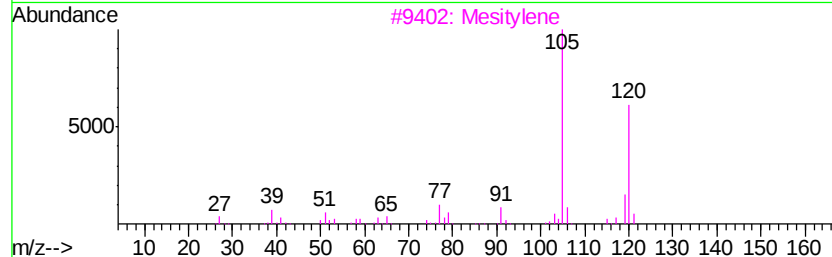
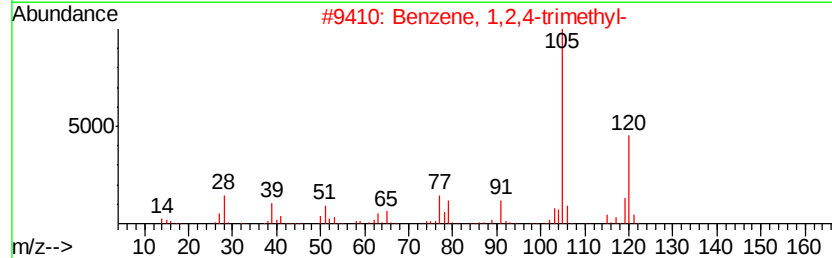
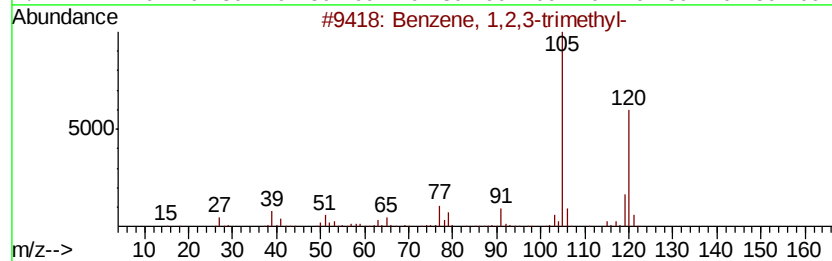
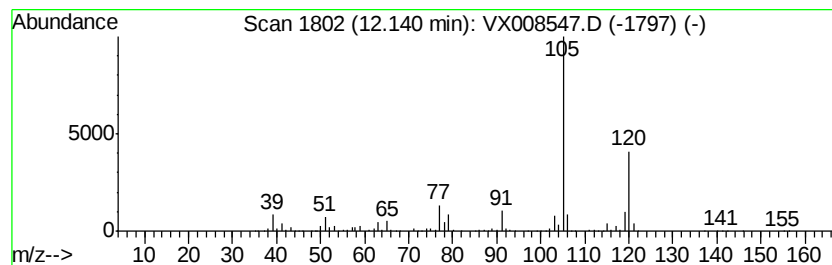
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.14 | 70.29 ug/l | 1798240 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 94   |
| 2    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 94   |
| 3    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 4    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 90   |
| 5    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 90   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032919\  
Data File : VX008547.D  
Acq On : 29 Mar 2019 16:36  
Operator : JC/SP  
Sample : K2121-08  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 14 Sample Multiplier: 1

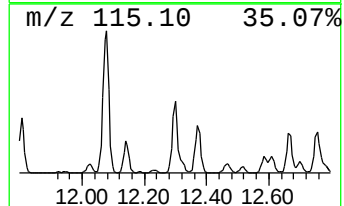
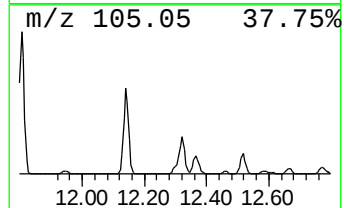
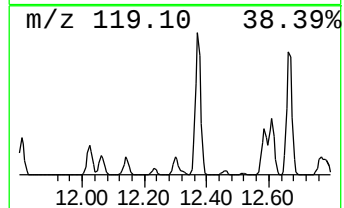
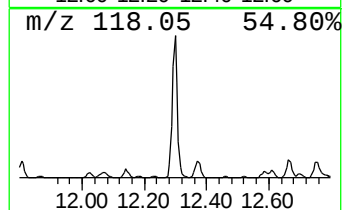
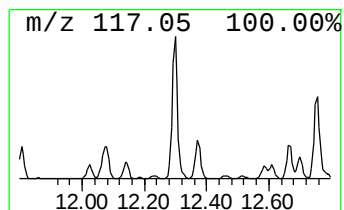
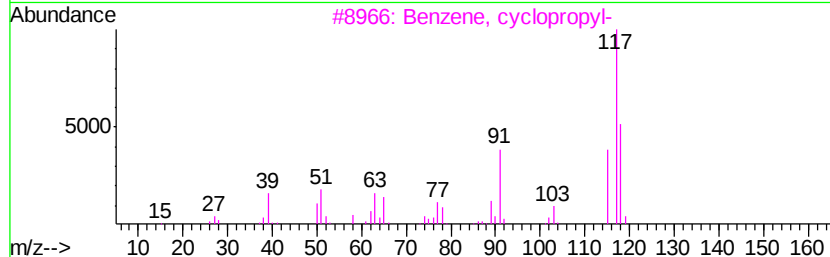
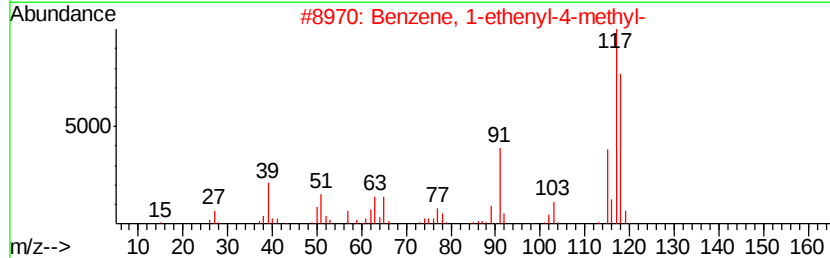
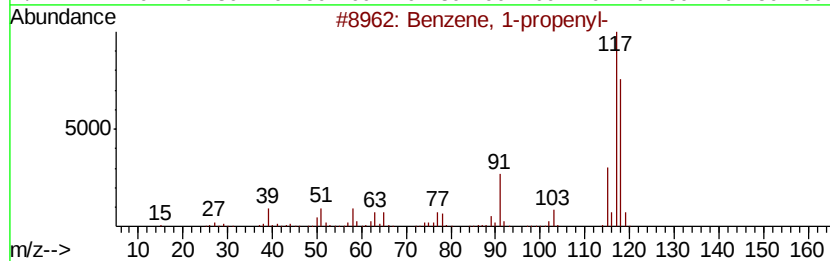
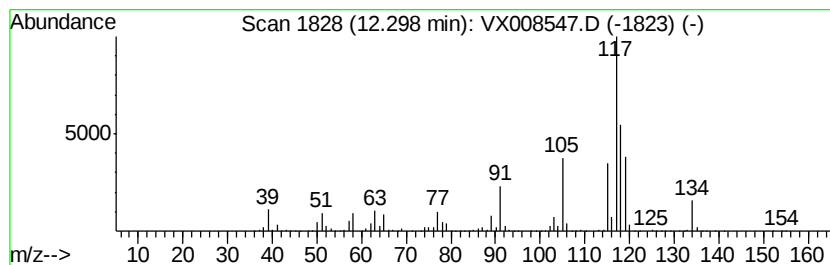
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MSVOA\_X  
ClientSampled :  
DUP

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X032519W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Benzene, 1-propenyl- Concentration Rank 10

| R.T.    | EstConc    | Area                         | Relative to ISTD       | R.T.           |
|---------|------------|------------------------------|------------------------|----------------|
| 12.30   | 23.10 ug/l | 591091                       | 1,4-Dichlorobenzene-d4 | 12.08          |
| Hit# of | 5          | Tentative ID                 | MW MolForm             | CAS# Qual      |
| 1       |            | Benzene, 1-propenyl-         | 118 C9H10              | 000637-50-3 87 |
| 2       |            | Benzene, 1-ethenyl-4-methyl- | 118 C9H10              | 000622-97-9 83 |
| 3       |            | Benzene, cyclopropyl-        | 118 C9H10              | 000873-49-4 55 |
| 4       |            | Benzene, 2-propenyl-         | 118 C9H10              | 000300-57-2 55 |
| 5       |            | Indane                       | 118 C9H10              | 000496-11-7 55 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032919\  
Data File : VX008547.D  
Acq On : 29 Mar 2019 16:36  
Operator : JC/SP  
Sample : K2121-08  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
DUP

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X032519W.M  
Quant Title : SW846 8260

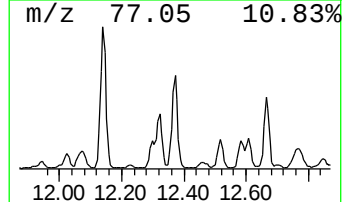
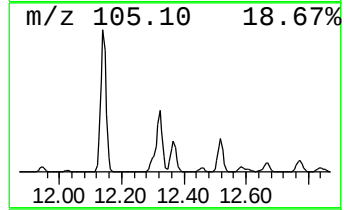
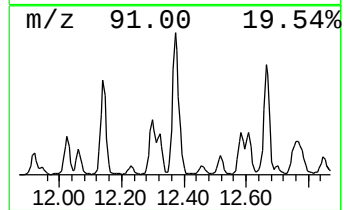
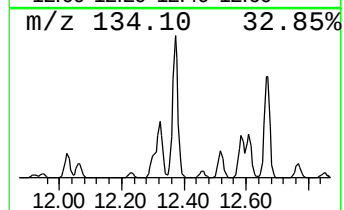
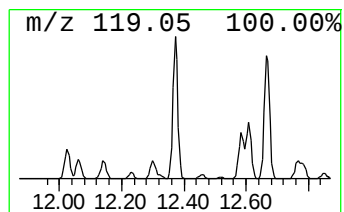
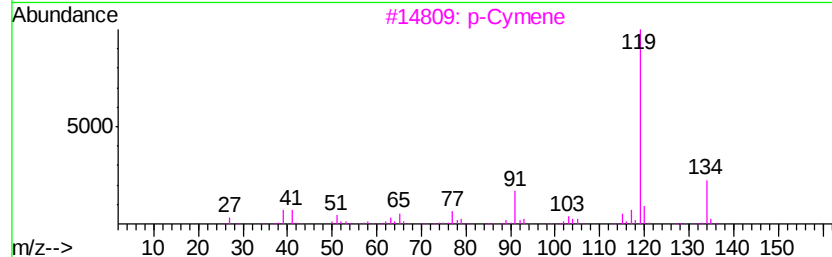
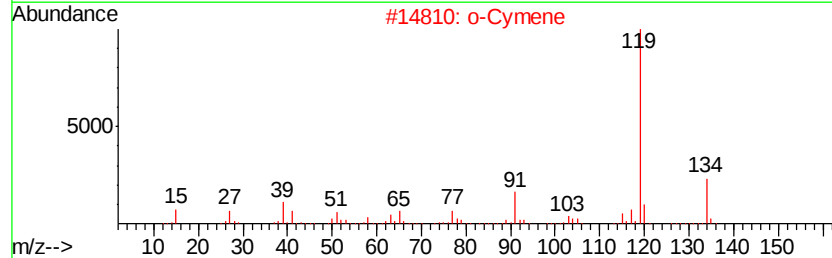
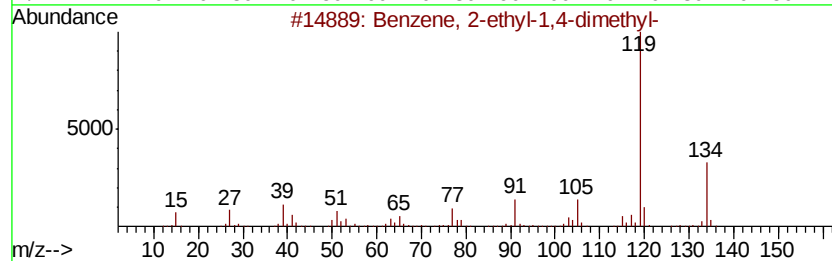
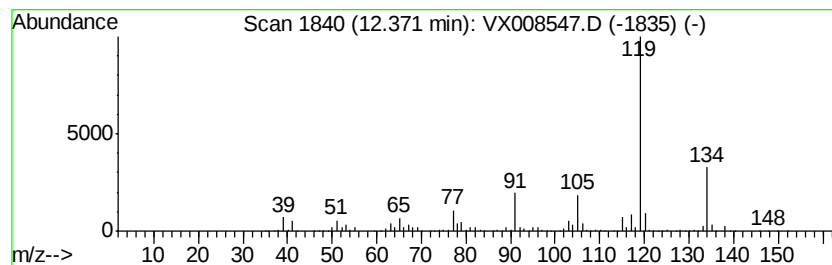
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 4

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.37 | 52.30 ug/l | 1337970 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------------------|-----|---------|-------------|------|
| 1       |   | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 95   |
| 2       |   | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 95   |
| 3       |   | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 95   |
| 4       |   | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 95   |
| 5       |   | Benzene, 1-ethyl-3,5-dimethyl-      | 134 | C10H14  | 000934-74-7 | 93   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032919\  
 Data File : VX008547.D  
 Acq On : 29 Mar 2019 16:36  
 Operator : JC/SP  
 Sample : K2121-08  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

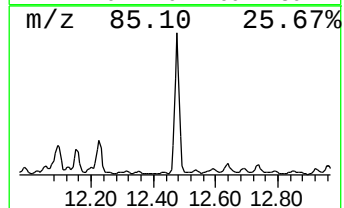
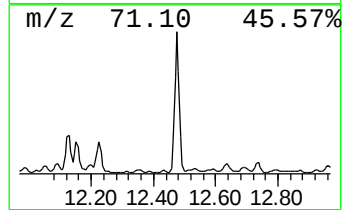
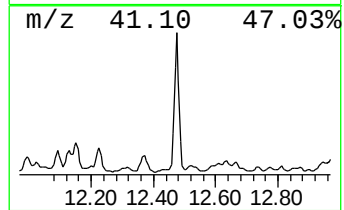
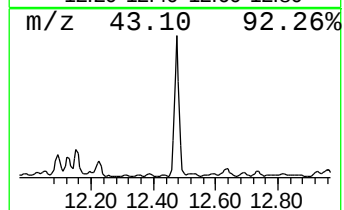
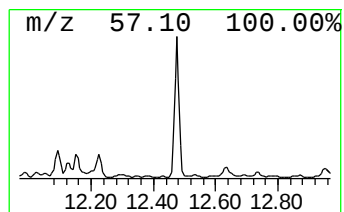
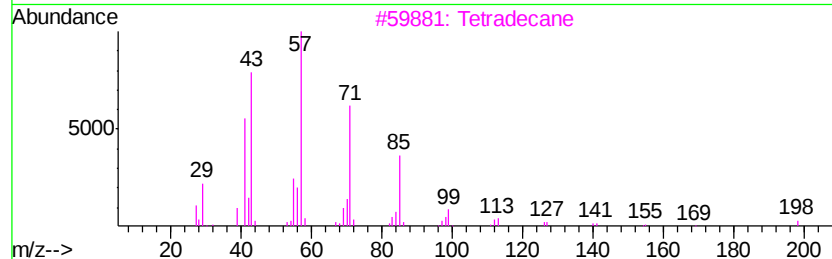
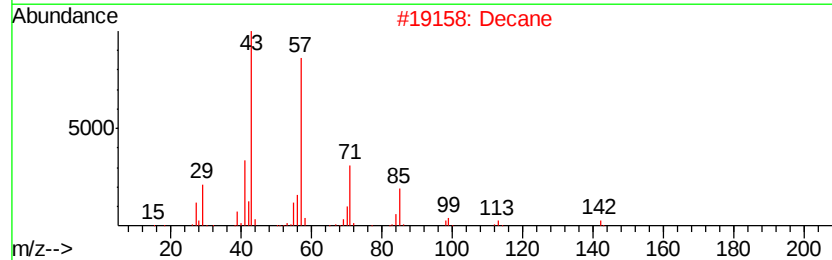
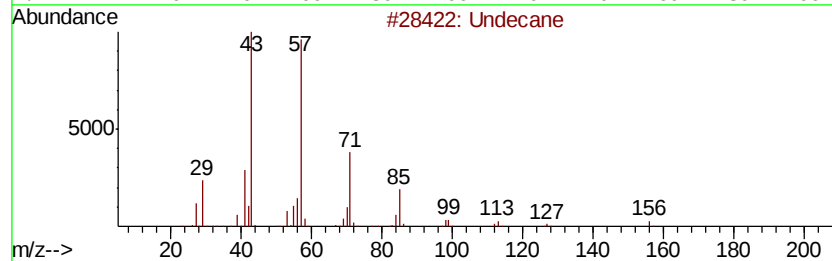
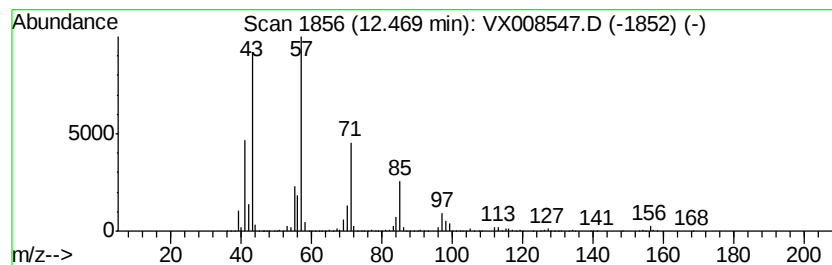
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 ClientSampleId :  
 DUP

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X032519W.M  
 Quant Title : SW846 8260

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

\*\*\*\*\*  
 Peak Number 6 Undecane Concentration Rank 2

| R.T.    | EstConc              | Area         | Relative to ISTD       | R.T.      |
|---------|----------------------|--------------|------------------------|-----------|
| 12.47   | 65.65 ug/l           | 1679700      | 1,4-Dichlorobenzene-d4 | 12.08     |
| Hit# of | 5                    | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Undecane             | 156 C11H24   | 001120-21-4            | 93        |
| 2       | Decane               | 142 C10H22   | 000124-18-5            | 86        |
| 3       | Tetradecane          | 198 C14H30   | 000629-59-4            | 86        |
| 4       | Tridecane            | 184 C13H28   | 000629-50-5            | 80        |
| 5       | Tridecane, 6-methyl- | 198 C14H30   | 013287-21-3            | 78        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032919\  
Data File : VX008547.D  
Acq On : 29 Mar 2019 16:36  
Operator : JC/SP  
Sample : K2121-08  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 14 Sample Multiplier: 1

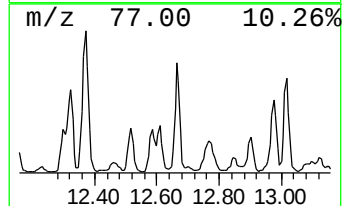
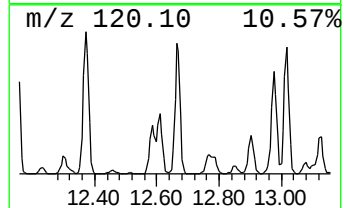
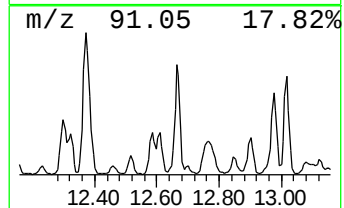
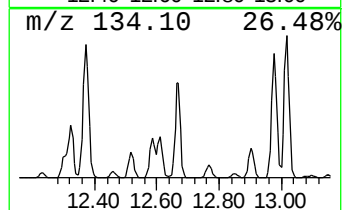
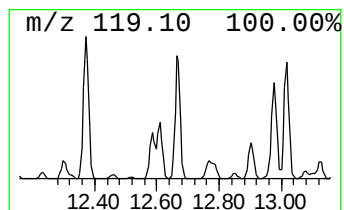
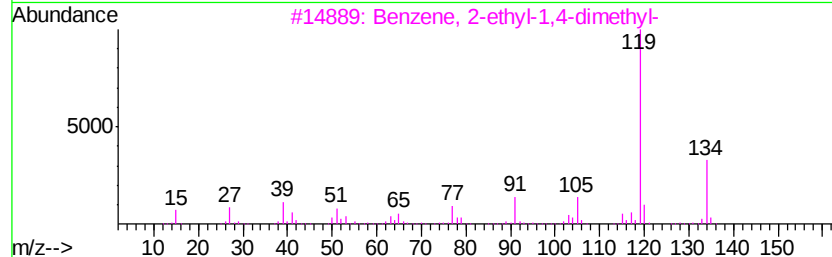
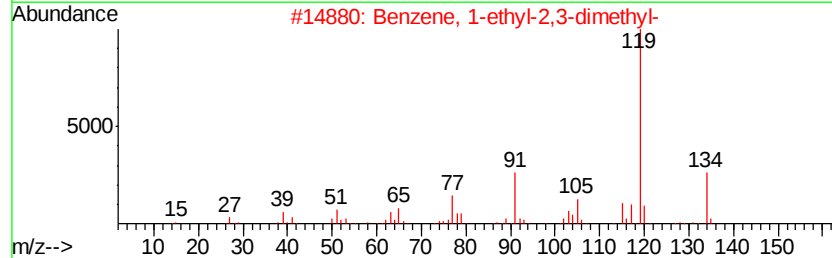
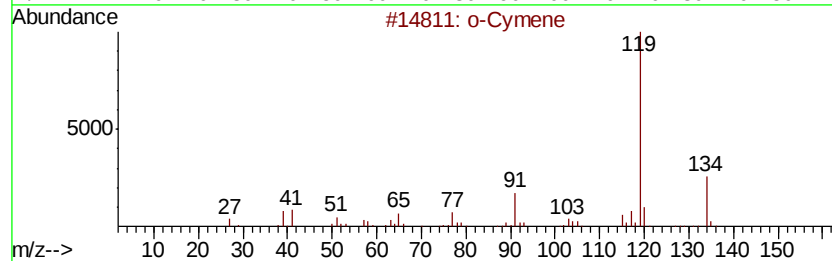
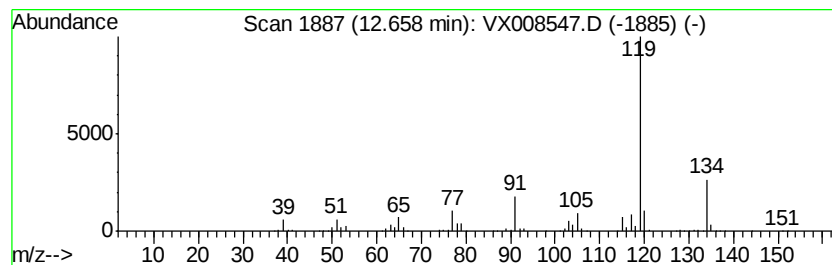
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X032519W.M  
Quant Title : SW846 8260

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

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Peak Number 7 o-Cymene Concentration Rank 9

| R.T.    | EstConc    | Area                           | Relative to ISTD       | R.T.           |
|---------|------------|--------------------------------|------------------------|----------------|
| 12.66   | 27.71 ug/l | 708910                         | 1,4-Dichlorobenzene-d4 | 12.08          |
| Hit# of | 5          | Tentative ID                   | MW MolForm             | CAS# Qual      |
| 1       |            | o-Cymene                       | 134 C10H14             | 000527-84-4 95 |
| 2       |            | Benzene, 1-ethyl-2,3-dimethyl- | 134 C10H14             | 000933-98-2 95 |
| 3       |            | Benzene, 2-ethyl-1,4-dimethyl- | 134 C10H14             | 001758-88-9 94 |
| 4       |            | p-Cymene                       | 134 C10H14             | 000099-87-6 94 |
| 5       |            | Benzene, 4-ethyl-1,2-dimethyl- | 134 C10H14             | 000934-80-5 93 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032919\  
Data File : VX008547.D  
Acq On : 29 Mar 2019 16:36  
Operator : JC/SP  
Sample : K2121-08  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X032519W.M  
Quant Title : SW846 8260

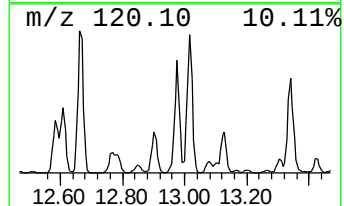
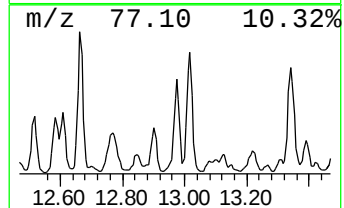
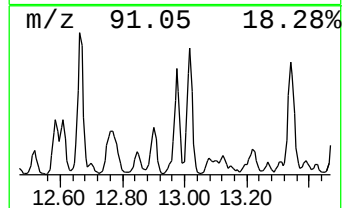
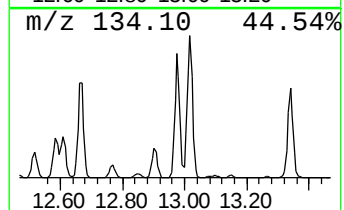
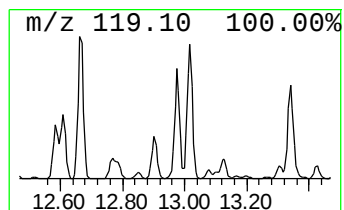
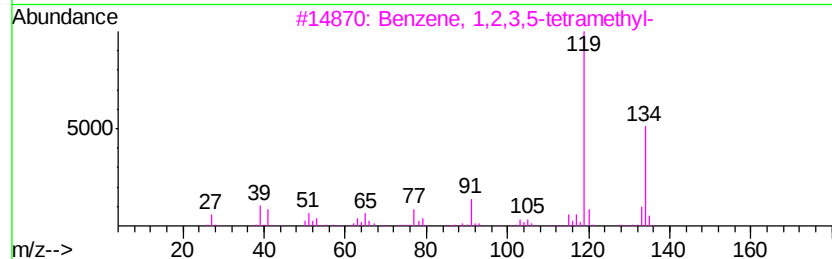
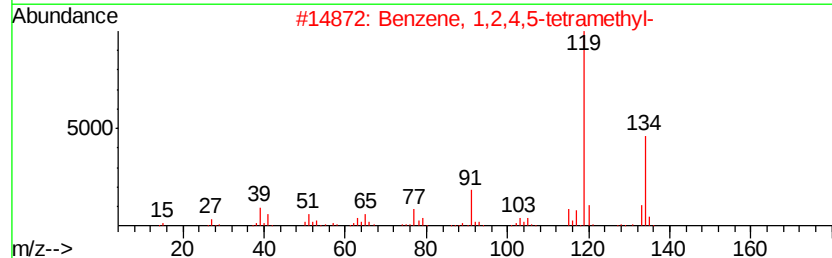
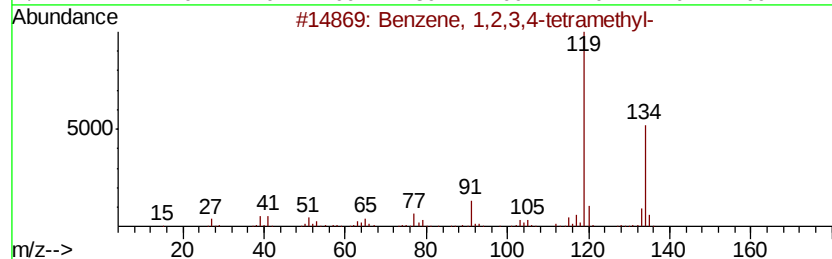
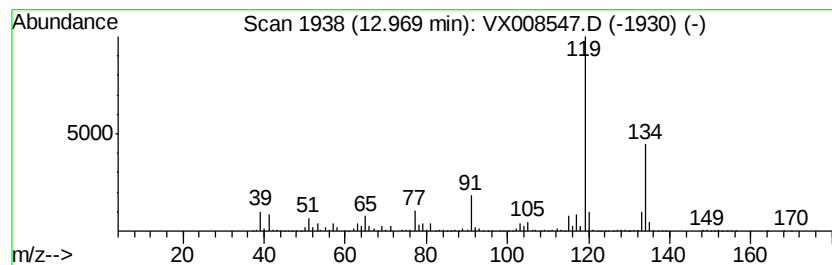
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 12.97 | 38.67 ug/l | 989268 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 97   |
| 2    |    | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 97   |
| 3    |    | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 95   |
| 4    |    | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 95   |
| 5    |    | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14  | 002870-04-4 | 94   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032919\  
Data File : VX008547.D  
Acq On : 29 Mar 2019 16:36  
Operator : JC/SP  
Sample : K2121-08  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
DUP

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X032519W.M  
Quant Title : SW846 8260

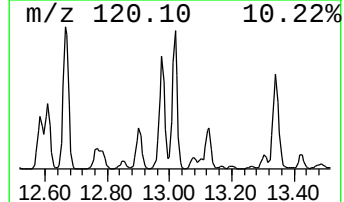
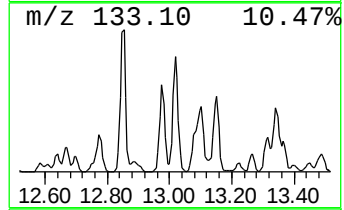
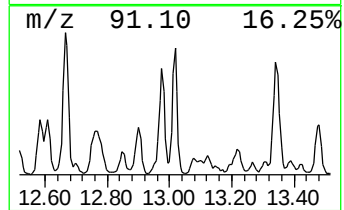
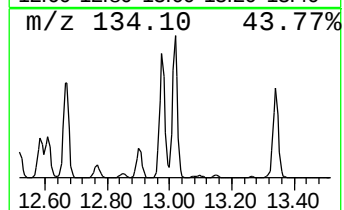
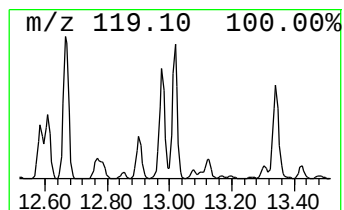
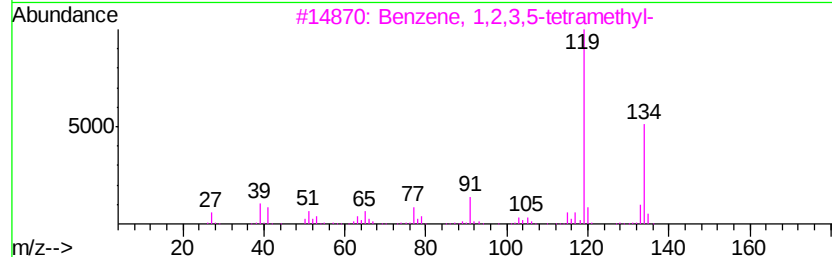
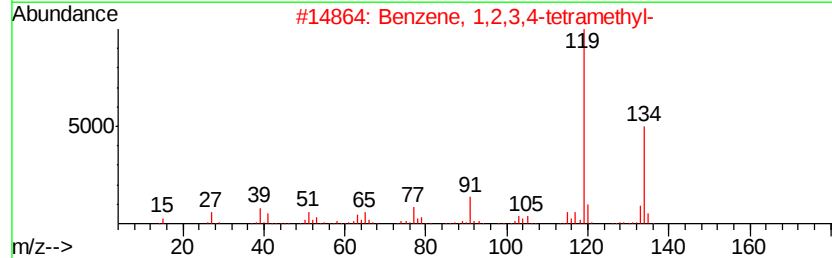
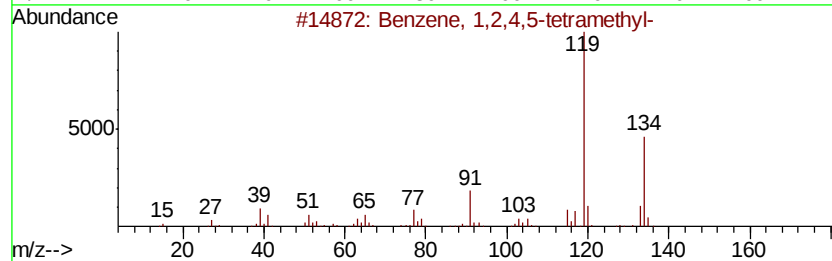
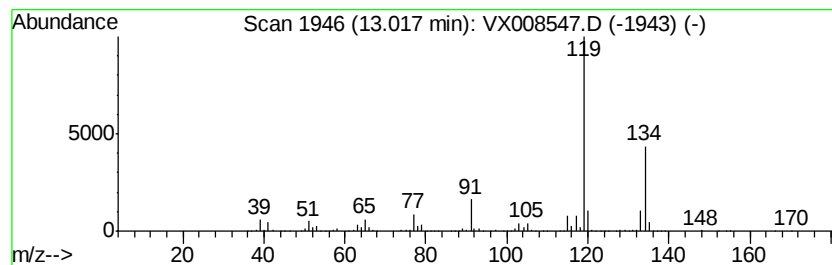
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 13.02 | 35.62 ug/l | 911237 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 97   |
| 2    |    | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 97   |
| 3    |    | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 95   |
| 4    |    | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 95   |
| 5    |    | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14  | 002870-04-4 | 94   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032919\  
Data File : VX008547.D  
Acq On : 29 Mar 2019 16:36  
Operator : JC/SP  
Sample : K2121-08  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
DUP

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X032519W.M  
Quant Title : SW846 8260

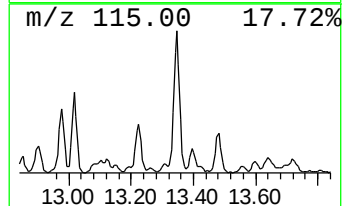
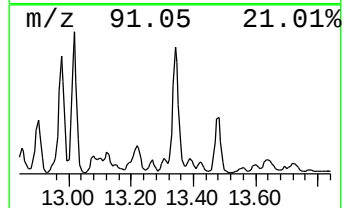
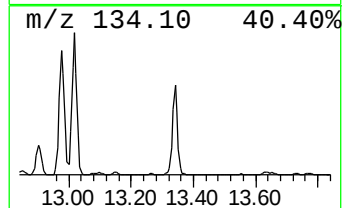
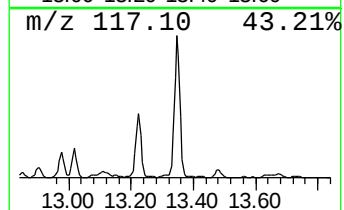
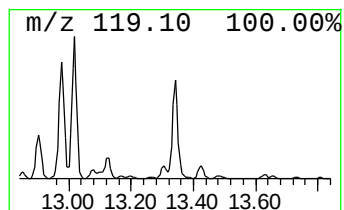
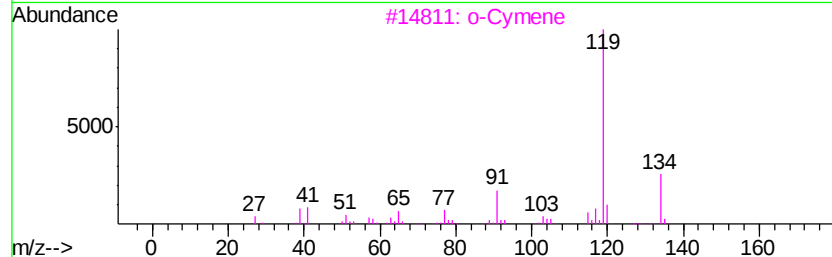
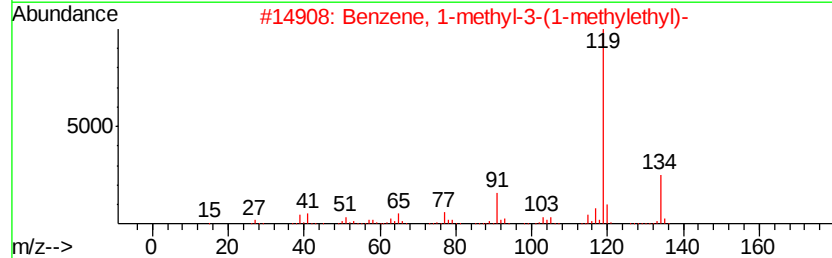
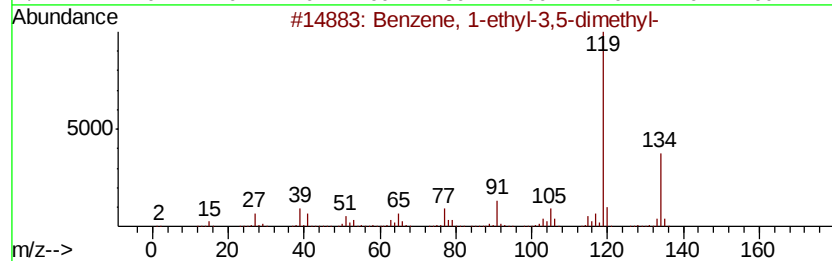
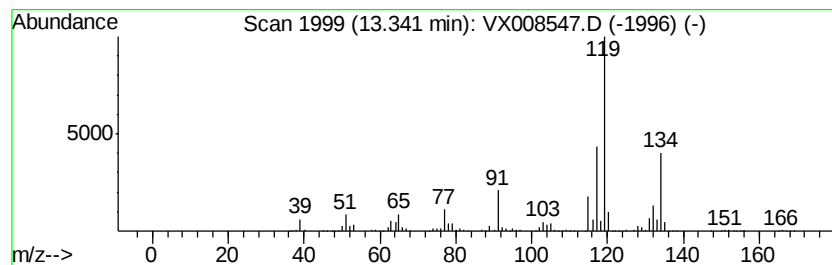
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 13.34 | 35.76 ug/l | 914863 | 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 | 76   |
| 2    |    | Benzene, 1-methyl-3-(1-methylethyl-) | 134 | C10H14  | 000535-77-3 | 70   |
| 3    |    | o-Cymene                             | 134 | C10H14  | 000527-84-4 | 70   |
| 4    |    | p-Cymene                             | 134 | C10H14  | 000099-87-6 | 70   |
| 5    |    | 1,3-Cyclopentadiene, 1,2,3,4-tet...  | 134 | C10H14  | 076089-59-3 | 70   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX032919\  
Data File : VX008547.D  
Acq On : 29 Mar 2019 16:36  
Operator : JC/SP  
Sample : K2121-08  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X032519W.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 |
| Benzene, 1-ethyl-... | 11.43 | 61.8    | ug/l  | 1580590  | 4                     | 12.08 | 1279220 | 50.0 |
| Benzene, 1,2,3-tr... | 12.14 | 70.3    | ug/l  | 1798240  | 4                     | 12.08 | 1279220 | 50.0 |
| Benzene, 1-propenyl- | 12.30 | 23.1    | ug/l  | 591091   | 4                     | 12.08 | 1279220 | 50.0 |
| Benzene, 2-ethyl-... | 12.37 | 52.3    | ug/l  | 1337970  | 4                     | 12.08 | 1279220 | 50.0 |
| Undecane             | 12.47 | 65.7    | ug/l  | 1679700  | 4                     | 12.08 | 1279220 | 50.0 |
| o-Cymene             | 12.66 | 27.7    | ug/l  | 708910   | 4                     | 12.08 | 1279220 | 50.0 |
| Benzene, 1,2,3,4-... | 12.97 | 38.7    | ug/l  | 989268   | 4                     | 12.08 | 1279220 | 50.0 |
| Benzene, 1,2,4,5-... | 13.02 | 35.6    | ug/l  | 911237   | 4                     | 12.08 | 1279220 | 50.0 |
| Benzene, 1-ethyl-... | 13.34 | 35.8    | ug/l  | 914863   | 4                     | 12.08 | 1279220 | 50.0 |