

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011719\  
 Data File : VX007086.D  
 Acq On : 17 Jan 2019 14:03  
 Operator : JC/SP  
 Sample : K1168-05  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS038RW150-190115

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\82X010819W.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         | 1.642       | 66            | 80          | 83           | rVB4     | 44806          | 126110        | 2.17%           | 0.179%        |
| 2         | 1.782       | 99            | 103         | 111          | rBV      | 41251          | 60865         | 1.05%           | 0.086%        |
| 3         | 2.623       | 235           | 241         | 249          | rBV      | 39143          | 72252         | 1.24%           | 0.103%        |
| 4         | 2.843       | 270           | 277         | 290          | rBV      | 244478         | 530991        | 9.14%           | 0.754%        |
| 5         | 4.306       | 505           | 517         | 530          | rBV2     | 170258         | 519562        | 8.95%           | 0.738%        |
| 6         | 4.550       | 547           | 557         | 570          | rBV3     | 28958          | 103488        | 1.78%           | 0.147%        |
| 7         | 5.238       | 655           | 670         | 679          | rBV3     | 26342          | 94668         | 1.63%           | 0.134%        |
| 8         | 5.501       | 703           | 713         | 727          | rBV      | 321685         | 910100        | 15.67%          | 1.293%        |
| 9         | 5.665       | 729           | 740         | 761          | rVB      | 554843         | 1750808       | 30.15%          | 2.487%        |
| 10        | 5.952       | 774           | 787         | 796          | rBV2     | 110653         | 347529        | 5.98%           | 0.494%        |
| 11        | 6.068       | 796           | 806         | 826          | rVB      | 331630         | 865292        | 14.90%          | 1.229%        |
| 12        | 6.348       | 840           | 852         | 872          | rVB      | 873872         | 2643017       | 45.52%          | 3.755%        |
| 13        | 6.860       | 925           | 936         | 950          | rBV      | 844899         | 1927190       | 33.19%          | 2.738%        |
| 14        | 7.451       | 1023          | 1033        | 1044         | rVB2     | 161381         | 379347        | 6.53%           | 0.539%        |
| 15        | 7.573       | 1044          | 1053        | 1060         | rBV      | 135106         | 273956        | 4.72%           | 0.389%        |
| 16        | 7.677       | 1060          | 1070        | 1082         | rVB      | 211735         | 476900        | 8.21%           | 0.678%        |
| 17        | 7.848       | 1090          | 1098        | 1105         | rVB      | 189848         | 372300        | 6.41%           | 0.529%        |
| 18        | 8.055       | 1122          | 1132        | 1142         | rVB      | 934194         | 1780454       | 30.66%          | 2.529%        |
| 19        | 8.177       | 1144          | 1152        | 1161         | rBV      | 1627672        | 3140274       | 54.08%          | 4.461%        |
| 20        | 8.390       | 1179          | 1187        | 1193         | rBV3     | 79104          | 145086        | 2.50%           | 0.206%        |
| 21        | 8.573       | 1211          | 1217        | 1226         | rVB3     | 26895          | 60768         | 1.05%           | 0.086%        |
| 22        | 8.713       | 1226          | 1240        | 1254         | rBV      | 1797967        | 3300447       | 56.84%          | 4.689%        |
| 23        | 8.835       | 1254          | 1260        | 1266         | rBV      | 159814         | 275320        | 4.74%           | 0.391%        |
| 24        | 9.037       | 1288          | 1293        | 1301         | rVB4     | 42561          | 91562         | 1.58%           | 0.130%        |
| 25        | 9.165       | 1309          | 1314        | 1319         | rVB2     | 39599          | 61215         | 1.05%           | 0.087%        |
| 26        | 9.677       | 1392          | 1398        | 1402         | rBV2     | 69345          | 114810        | 1.98%           | 0.163%        |
| 27        | 9.713       | 1402          | 1404        | 1413         | rVB4     | 38376          | 71144         | 1.23%           | 0.101%        |
| 28        | 9.890       | 1428          | 1433        | 1439         | rBV      | 91651          | 128593        | 2.21%           | 0.183%        |
| 29        | 10.110      | 1464          | 1469        | 1478         | rBV      | 1682668        | 2611270       | 44.97%          | 3.710%        |
| 30        | 10.183      | 1478          | 1481        | 1487         | rVB      | 124146         | 179473        | 3.09%           | 0.255%        |
| 31        | 10.335      | 1502          | 1506        | 1514         | rVB2     | 133630         | 227325        | 3.91%           | 0.323%        |
| 32        | 10.408      | 1514          | 1518        | 1521         | rBV      | 64845          | 86046         | 1.48%           | 0.122%        |
| 33        | 10.512      | 1530          | 1535        | 1541         | rBV      | 106402         | 148893        | 2.56%           | 0.212%        |
| 34        | 10.658      | 1548          | 1559        | 1564         | rBV4     | 179331         | 428591        | 7.38%           | 0.609%        |

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 Sample : K1168-05  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS038RW150-190115

## 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\82X010819W.M  
 Title : SW846 8260

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 10.713 | 1564 | 1568 | 1574 | rVB  | 59620   | 86972   | 1.50%   | 0.124% |
| 36 | 10.811 | 1576 | 1584 | 1585 | rBV2 | 151363  | 239319  | 4.12%   | 0.340% |
| 37 | 10.835 | 1585 | 1588 | 1595 | rVB  | 375078  | 482782  | 8.31%   | 0.686% |
| 38 | 10.914 | 1596 | 1601 | 1607 | rBV3 | 145639  | 240801  | 4.15%   | 0.342% |
| 39 | 11.018 | 1614 | 1618 | 1621 | rBV  | 148394  | 196923  | 3.39%   | 0.280% |
| 40 | 11.067 | 1621 | 1626 | 1630 | rVB4 | 92800   | 171034  | 2.95%   | 0.243% |
| 41 | 11.134 | 1632 | 1637 | 1642 | rBV  | 1489651 | 1963835 | 33.82%  | 2.790% |
| 42 | 11.182 | 1642 | 1645 | 1649 | rVB  | 190051  | 231843  | 3.99%   | 0.329% |
| 43 | 11.280 | 1657 | 1661 | 1666 | rVB2 | 386189  | 490921  | 8.45%   | 0.697% |
| 44 | 11.396 | 1676 | 1680 | 1684 | rBV4 | 39954   | 81903   | 1.41%   | 0.116% |
| 45 | 11.445 | 1684 | 1688 | 1694 | rVB2 | 132098  | 218511  | 3.76%   | 0.310% |
| 46 | 11.579 | 1705 | 1710 | 1717 | rVB2 | 56868   | 99153   | 1.71%   | 0.141% |
| 47 | 11.670 | 1717 | 1725 | 1732 | rBV  | 361286  | 524189  | 9.03%   | 0.745% |
| 48 | 11.768 | 1732 | 1741 | 1745 | rBV  | 414216  | 547048  | 9.42%   | 0.777% |
| 49 | 11.847 | 1752 | 1754 | 1757 | rVB3 | 59367   | 58711   | 1.01%   | 0.083% |
| 50 | 11.920 | 1757 | 1766 | 1768 | rVV  | 1244727 | 1677580 | 28.89%  | 2.383% |
| 51 | 11.945 | 1768 | 1770 | 1776 | rVV  | 843213  | 932677  | 16.06%  | 1.325% |
| 52 | 12.006 | 1776 | 1780 | 1787 | rVB5 | 31444   | 68160   | 1.17%   | 0.097% |
| 53 | 12.079 | 1787 | 1792 | 1797 | rBV  | 2054425 | 2573692 | 44.32%  | 3.656% |
| 54 | 12.176 | 1803 | 1808 | 1812 | rVV2 | 61647   | 117275  | 2.02%   | 0.167% |
| 55 | 12.231 | 1812 | 1817 | 1824 | rVB  | 1536460 | 1840069 | 31.69%  | 2.614% |
| 56 | 12.298 | 1824 | 1828 | 1834 | rBV  | 971552  | 1185897 | 20.42%  | 1.685% |
| 57 | 12.365 | 1834 | 1839 | 1849 | rVB  | 519822  | 749870  | 12.91%  | 1.065% |
| 58 | 12.469 | 1849 | 1856 | 1861 | rBV3 | 58614   | 124576  | 2.15%   | 0.177% |
| 59 | 12.670 | 1879 | 1889 | 1892 | rBV  | 4424865 | 5806830 | 100.00% | 8.250% |
| 60 | 12.701 | 1892 | 1894 | 1899 | rVV2 | 1310210 | 1676259 | 28.87%  | 2.381% |
| 61 | 12.755 | 1899 | 1903 | 1910 | rVV2 | 3013968 | 4903107 | 84.44%  | 6.966% |
| 62 | 12.816 | 1910 | 1913 | 1918 | rVB  | 353192  | 413544  | 7.12%   | 0.588% |
| 63 | 12.896 | 1918 | 1926 | 1931 | rBV  | 1397464 | 1993326 | 34.33%  | 2.832% |
| 64 | 12.975 | 1931 | 1939 | 1944 | rVV2 | 2426199 | 3597204 | 61.95%  | 5.110% |
| 65 | 13.030 | 1944 | 1948 | 1952 | rVV  | 95739   | 137777  | 2.37%   | 0.196% |
| 66 | 13.085 | 1952 | 1957 | 1963 | rVB2 | 377707  | 576305  | 9.92%   | 0.819% |
| 67 | 13.152 | 1963 | 1968 | 1971 | rBV  | 544864  | 647510  | 11.15%  | 0.920% |
| 68 | 13.194 | 1971 | 1975 | 1978 | rVV  | 519524  | 665732  | 11.46%  | 0.946% |
| 69 | 13.249 | 1978 | 1984 | 1988 | rVB2 | 346269  | 503771  | 8.68%   | 0.716% |
| 70 | 13.316 | 1988 | 1995 | 1996 | rBV2 | 218709  | 351751  | 6.06%   | 0.500% |
| 71 | 13.347 | 1996 | 2000 | 2006 | rVV2 | 2496866 | 3633018 | 62.56%  | 5.161% |

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Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS038RW150-190115

## 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\82X010819W.M  
Title : SW846 8260

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 72 | 13.402 | 2006 | 2009 | 2010 | rVV  | 192702 | 210569  | 3.63%  | 0.299% |
| 73 | 13.426 | 2010 | 2013 | 2016 | rVV  | 303420 | 394856  | 6.80%  | 0.561% |
| 74 | 13.481 | 2019 | 2022 | 2026 | rVB2 | 88717  | 117326  | 2.02%  | 0.167% |
| 75 | 13.560 | 2032 | 2035 | 2038 | rBV  | 76533  | 102748  | 1.77%  | 0.146% |
| 76 | 13.597 | 2038 | 2041 | 2044 | rVV2 | 205883 | 278378  | 4.79%  | 0.395% |
| 77 | 13.639 | 2044 | 2048 | 2052 | rVV2 | 768300 | 1079237 | 18.59% | 1.533% |
| 78 | 13.700 | 2052 | 2058 | 2059 | rVV3 | 394111 | 782861  | 13.48% | 1.112% |
| 79 | 13.719 | 2059 | 2061 | 2070 | rVB2 | 580725 | 766896  | 13.21% | 1.090% |
| 80 | 13.810 | 2070 | 2076 | 2079 | rBV  | 203859 | 265697  | 4.58%  | 0.377% |
| 81 | 13.853 | 2079 | 2083 | 2088 | rVB  | 146655 | 197322  | 3.40%  | 0.280% |
| 82 | 13.908 | 2088 | 2092 | 2097 | rVB  | 140432 | 189084  | 3.26%  | 0.269% |
| 83 | 13.987 | 2097 | 2105 | 2109 | rBV2 | 204827 | 327799  | 5.65%  | 0.466% |
| 84 | 14.030 | 2109 | 2112 | 2115 | rBV3 | 91418  | 109046  | 1.88%  | 0.155% |
| 85 | 14.127 | 2124 | 2128 | 2131 | rBV2 | 69033  | 95248   | 1.64%  | 0.135% |
| 86 | 14.164 | 2131 | 2134 | 2138 | rVB  | 81799  | 92408   | 1.59%  | 0.131% |
| 87 | 14.273 | 2147 | 2152 | 2158 | rBV2 | 137721 | 244849  | 4.22%  | 0.348% |
| 88 | 14.377 | 2162 | 2169 | 2173 | rVV2 | 65719  | 96532   | 1.66%  | 0.137% |
| 89 | 14.432 | 2173 | 2178 | 2182 | rVB2 | 66629  | 91386   | 1.57%  | 0.130% |
| 90 | 14.542 | 2189 | 2196 | 2205 | rBV2 | 185008 | 280553  | 4.83%  | 0.399% |
| 91 | 14.731 | 2223 | 2227 | 2232 | rVB2 | 71426  | 90417   | 1.56%  | 0.128% |
| 92 | 14.840 | 2238 | 2245 | 2253 | rBV2 | 245512 | 372676  | 6.42%  | 0.529% |
| 93 | 15.688 | 2374 | 2384 | 2387 | rBV2 | 50379  | 87724   | 1.51%  | 0.125% |

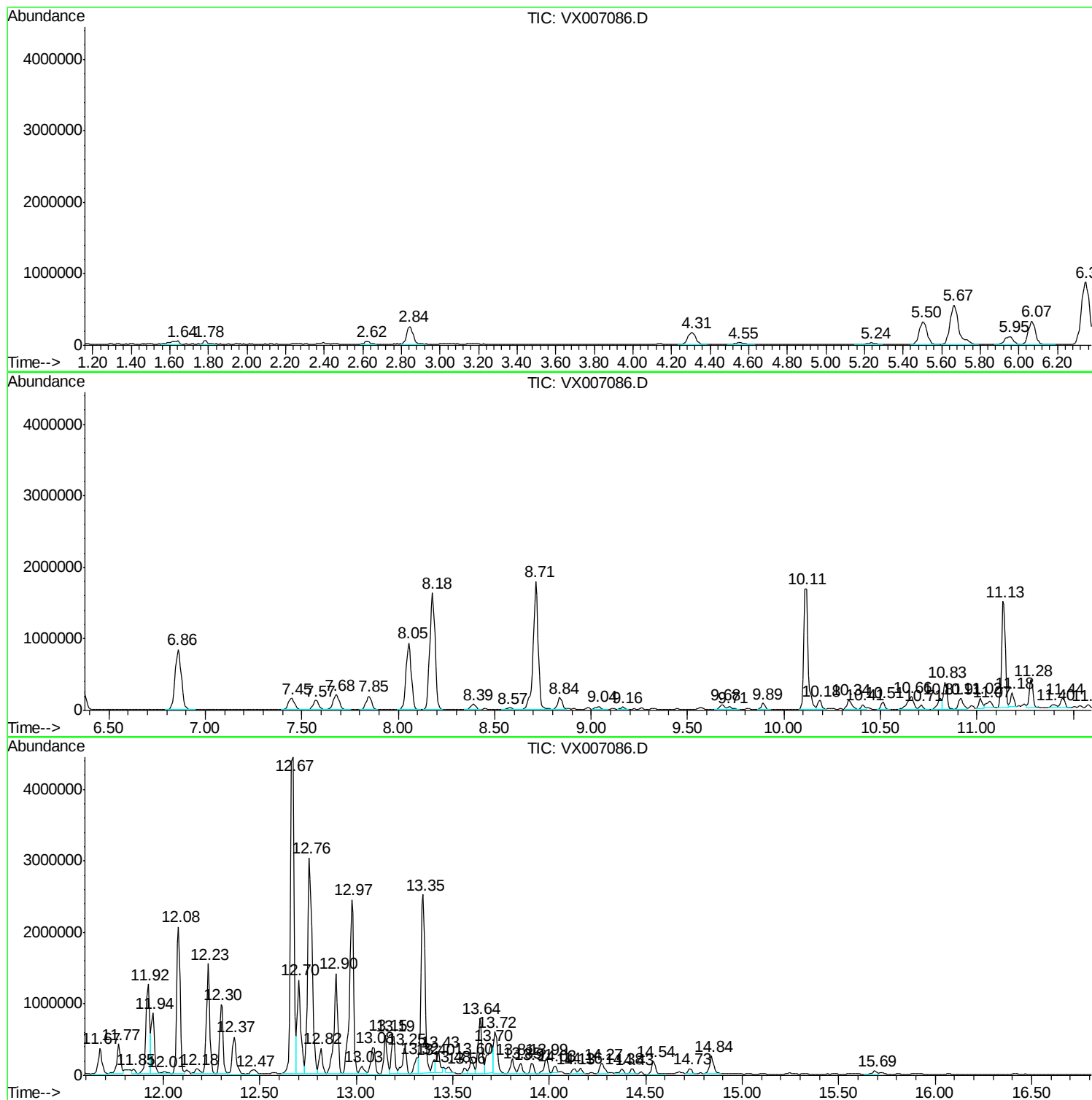
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011719\  
Data File : VX007086.D  
Acq On : 17 Jan 2019 14:03  
Operator : JC/SP  
Sample : K1168-05  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS038RW150-190115

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011719\  
Data File : VX007086.D  
Acq On : 17 Jan 2019 14:03  
Operator : JC/SP  
Sample : K1168-05  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS038RW150-190115

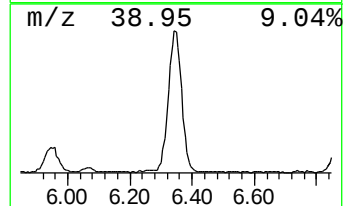
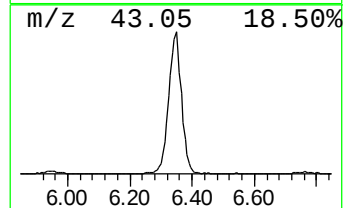
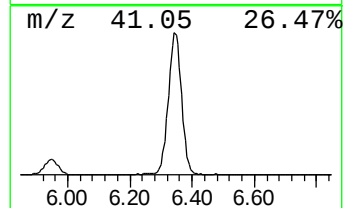
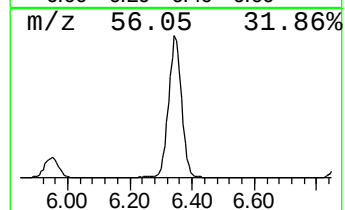
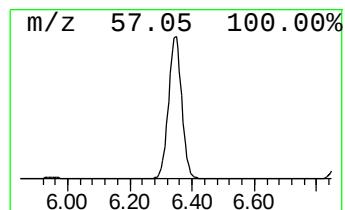
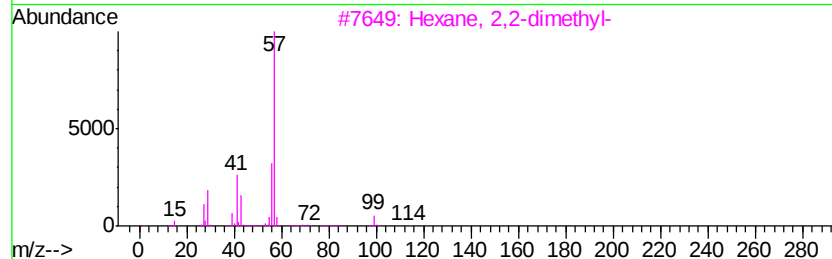
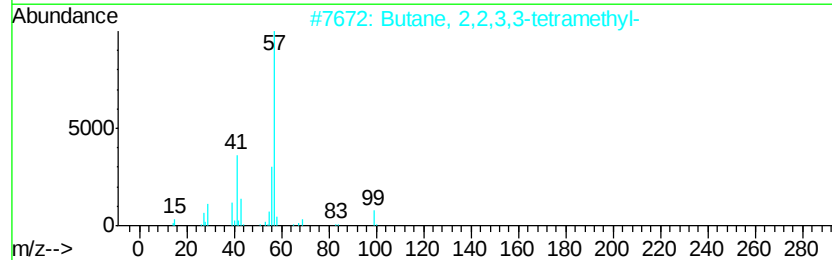
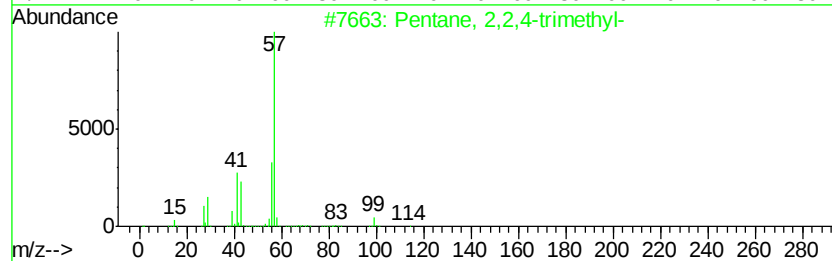
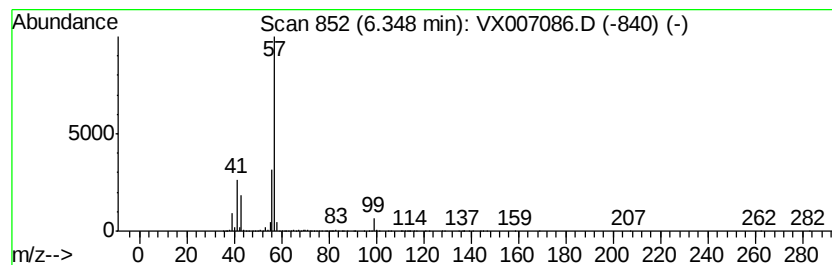
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 1 Pentane, 2,2,4-trimethyl- Concentration Rank 6

| R.T. | EstConc    | Area    | Relative to ISTD    | R.T. |
|------|------------|---------|---------------------|------|
| 6.35 | 68.57 ug/l | 2643020 | 1,4-Difluorobenzene | 6.86 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 2,2,4-trimethyl-       | 114 | C8H18   | 000540-84-1 | 83   |
| 2    |    | Butane, 2,2,3,3-tetramethyl-    | 114 | C8H18   | 000594-82-1 | 83   |
| 3    |    | Hexane, 2,2-dimethyl-           | 114 | C8H18   | 000590-73-8 | 83   |
| 4    |    | Pentane, 2,2,4,4-tetramethyl-   | 128 | C9H20   | 001070-87-7 | 72   |
| 5    |    | Heptane, 2,2,4,6,6-pentamethyl- | 170 | C12H26  | 013475-82-6 | 64   |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
 Quant Title : SW846 8260

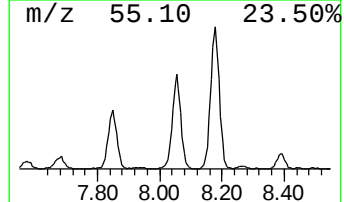
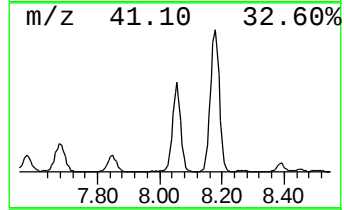
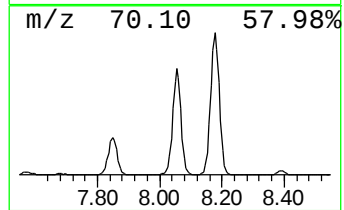
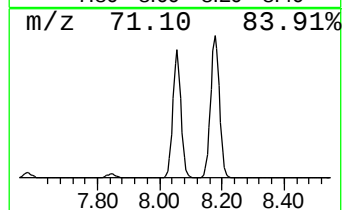
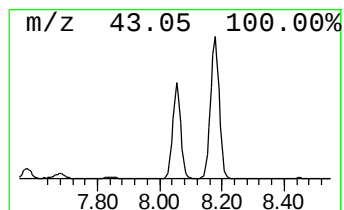
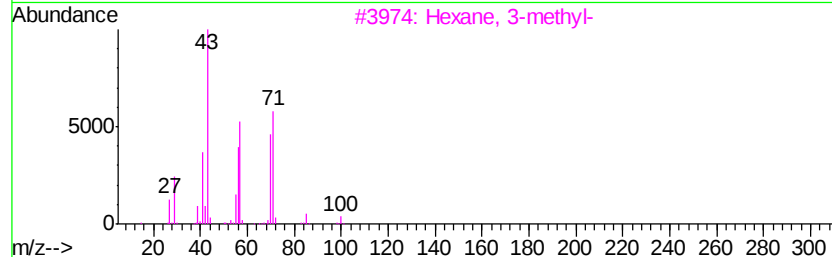
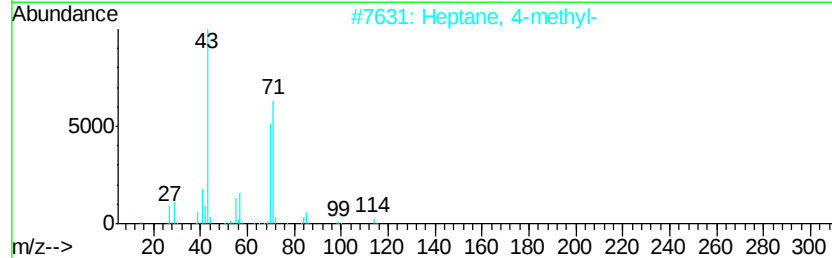
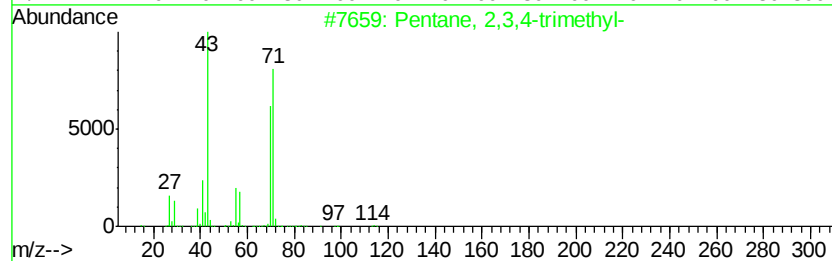
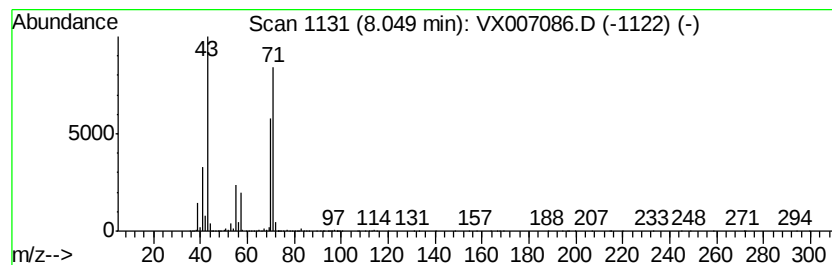
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 2 Pentane, 2,3,4-trimethyl- Concentration Rank 7

| R.T. | EstConc    | Area    | Relative to ISTD    | R.T. |
|------|------------|---------|---------------------|------|
| 8.05 | 46.19 ug/l | 1780450 | 1,4-Difluorobenzene | 6.86 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 2,3,4-trimethyl- | 114 | C8H18   | 000565-75-3 | 91   |
| 2    |    | Heptane, 4-methyl-        | 114 | C8H18   | 000589-53-7 | 83   |
| 3    |    | Hexane, 3-methyl-         | 100 | C7H16   | 000589-34-4 | 78   |
| 4    |    | Heptane, 3,3,4-trimethyl- | 142 | C10H22  | 020278-87-9 | 78   |
| 5    |    | Pentane, 3-ethyl-         | 100 | C7H16   | 000617-78-7 | 74   |



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Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS038RW150-190115

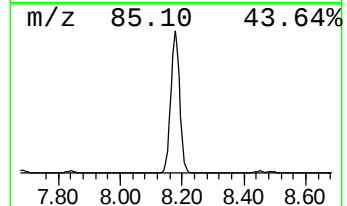
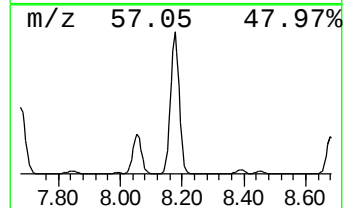
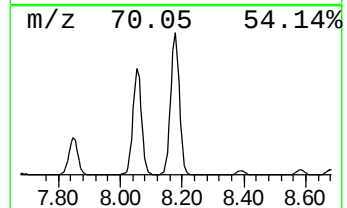
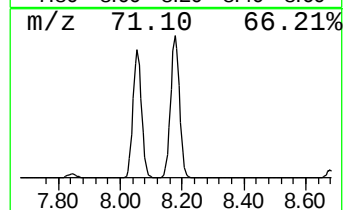
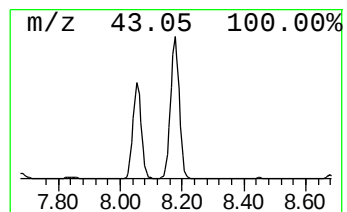
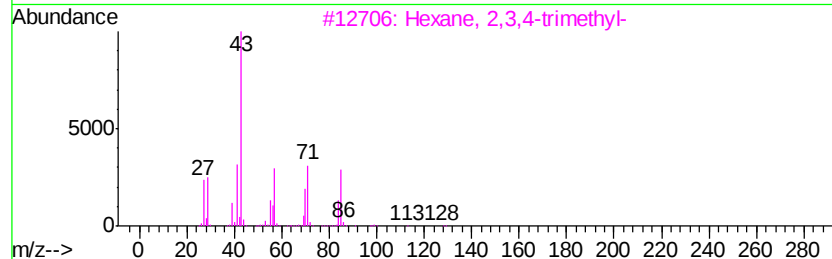
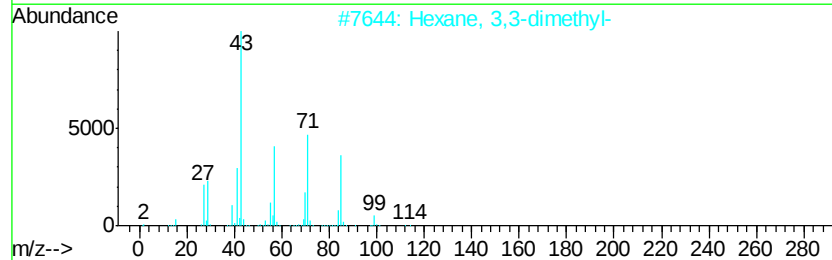
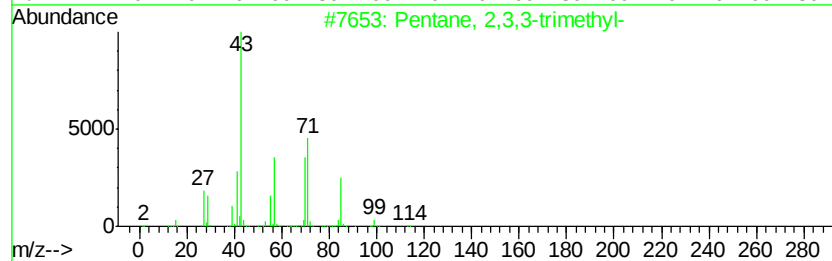
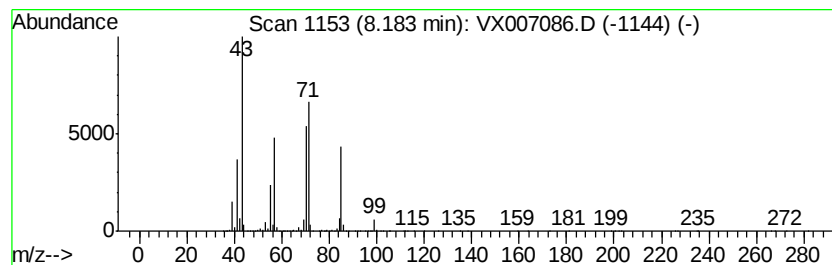
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260

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

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

| R.T. | EstConc    | Area    | Relative to ISTD    | R.T. |
|------|------------|---------|---------------------|------|
| 8.18 | 81.47 ug/l | 3140270 | 1,4-Difluorobenzene | 6.86 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Pentane, 2,3,3-trimethyl-           | 114 | C8H18    | 000560-21-4  | 90   |
| 2    |    | Hexane, 3,3-dimethyl-               | 114 | C8H18    | 000563-16-6  | 64   |
| 3    |    | Hexane, 2,3,4-trimethyl-            | 128 | C9H20    | 000921-47-1  | 64   |
| 4    |    | Oxalic acid, isohexyl neopentyl ... | 244 | C13H24O4 | 1000309-73-0 | 53   |
| 5    |    | Octane, 4-methyl-                   | 128 | C9H20    | 002216-34-4  | 50   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011719\  
Data File : VX007086.D  
Acq On : 17 Jan 2019 14:03  
Operator : JC/SP  
Sample : K1168-05  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS038RW150-190115

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260

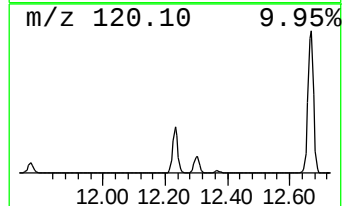
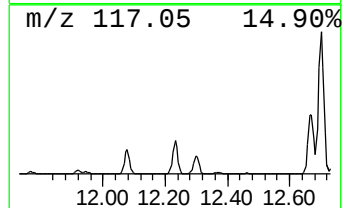
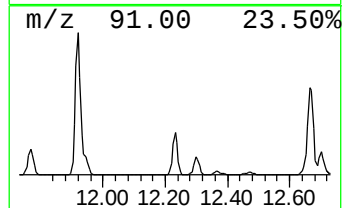
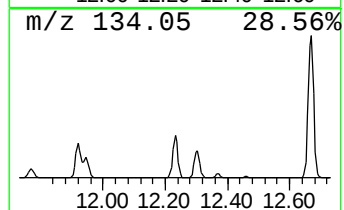
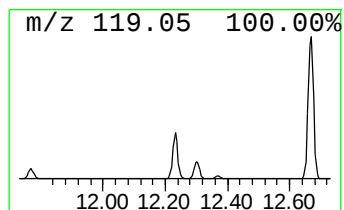
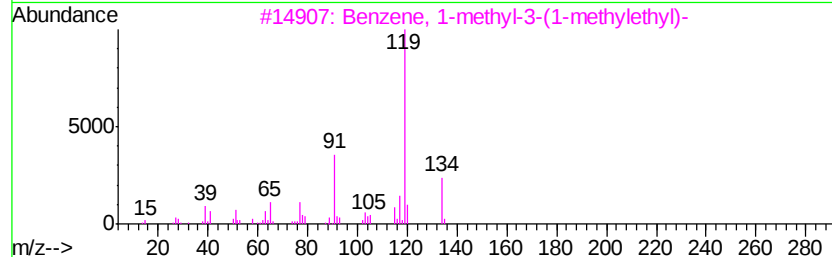
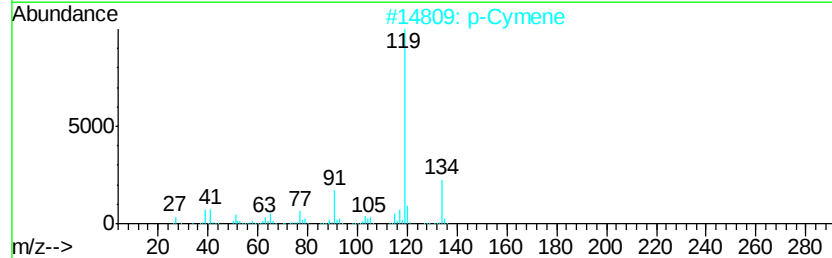
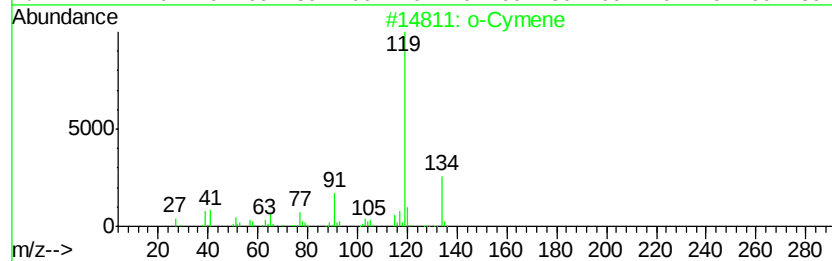
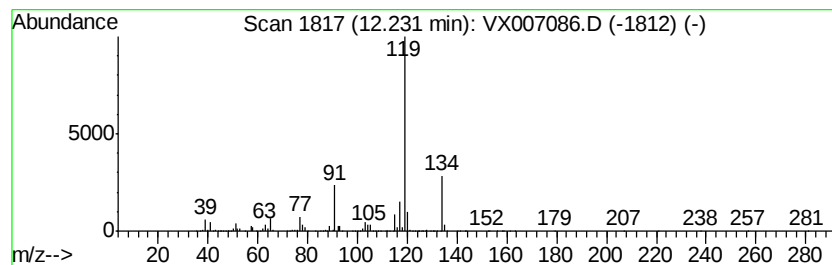
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 o-Cymene Concentration Rank 9

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.23 | 35.75 ug/l | 1840070 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | o-Cymene                             | 134 | C10H14  | 000527-84-4 | 97   |
| 2    |    | p-Cymene                             | 134 | C10H14  | 000099-87-6 | 97   |
| 3    |    | Benzene, 1-methyl-3-(1-methylethyl)- | 134 | C10H14  | 000535-77-3 | 95   |
| 4    |    | Benzene, 1-ethyl-2,3-dimethyl-       | 134 | C10H14  | 000933-98-2 | 91   |
| 5    |    | Benzene, 2-ethyl-1,3-dimethyl-       | 134 | C10H14  | 002870-04-4 | 91   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011719\  
Data File : VX007086.D  
Acq On : 17 Jan 2019 14:03  
Operator : JC/SP  
Sample : K1168-05  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS038RW150-190115

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260

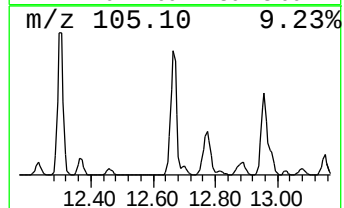
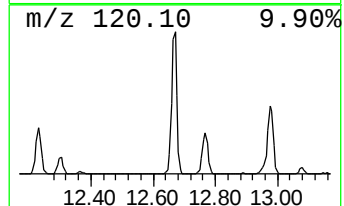
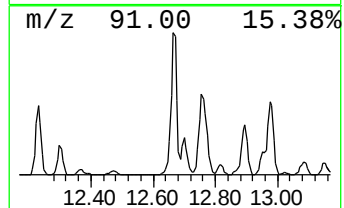
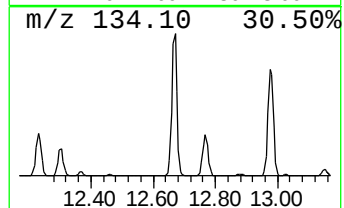
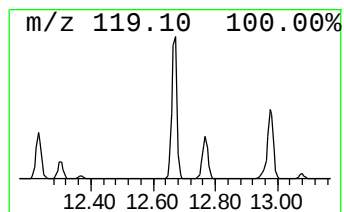
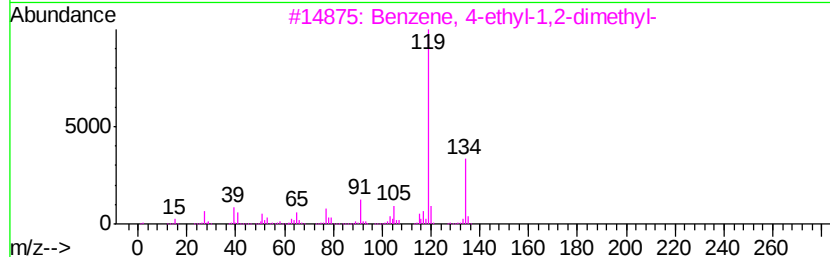
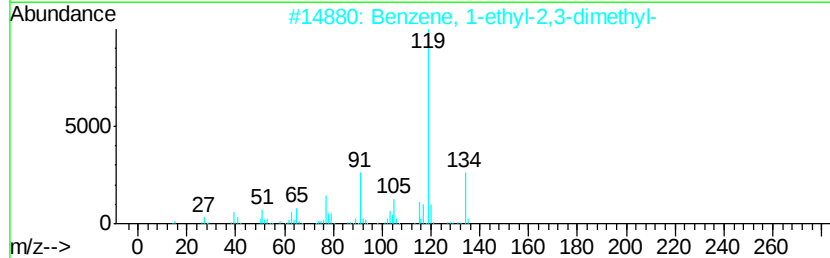
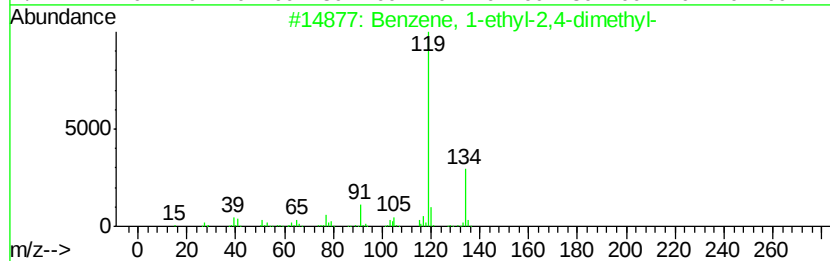
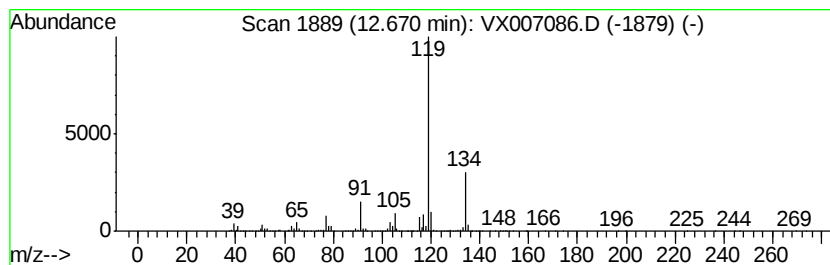
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc     | Area    | Relative to ISTD       | R.T.  |
|-------|-------------|---------|------------------------|-------|
| 12.67 | 112.81 ug/l | 5806830 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|---------|--------------------------------|-----|---------|-------------|------|
| 1       | 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, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 95   |
| 4       | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 95   |
| 5       | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14  | 002870-04-4 | 95   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011719\  
Data File : VX007086.D  
Acq On : 17 Jan 2019 14:03  
Operator : JC/SP  
Sample : K1168-05  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS038RW150-190115

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260

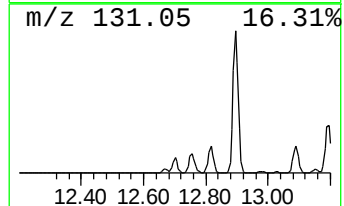
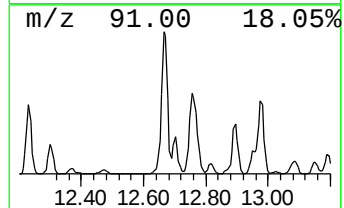
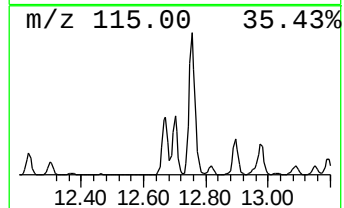
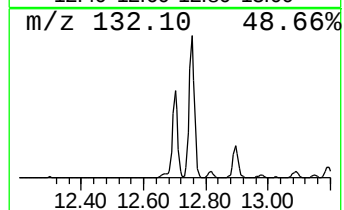
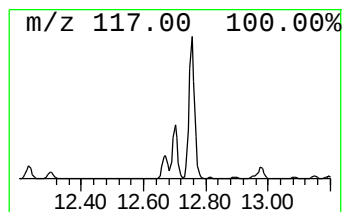
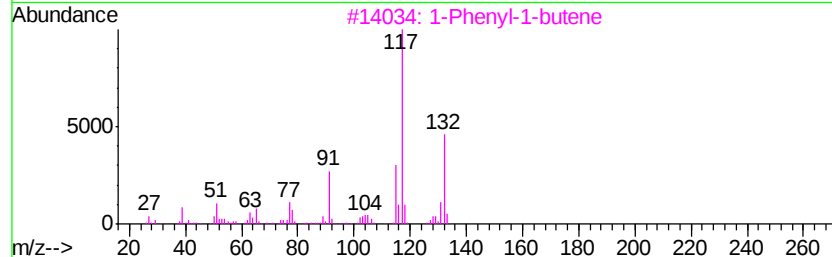
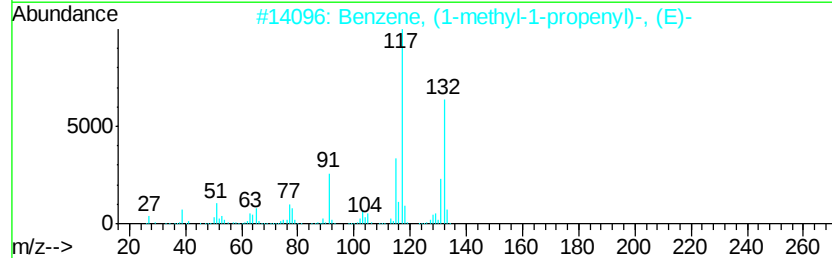
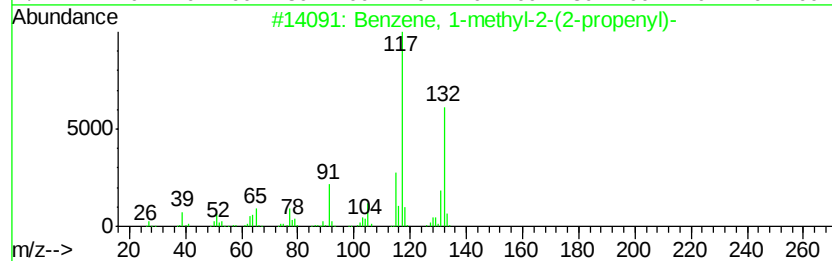
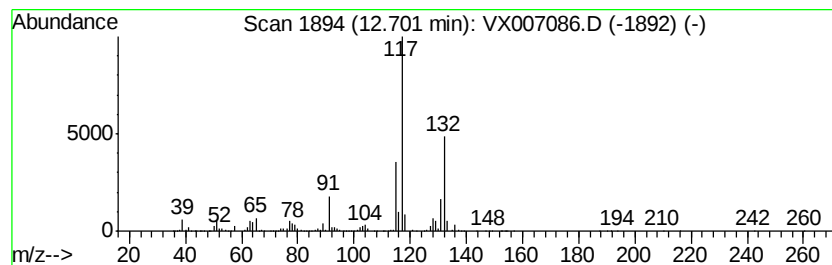
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Benzene, 1-methyl-2-(2-prop... Concentration Rank 10

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.70 | 32.57 ug/l | 1676260 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-methyl-2-(2-propenyl)-   | 132 | C10H12  | 001587-04-8 | 90   |
| 2    |    | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 90   |
| 3    |    | 1-Phenyl-1-butene                   | 132 | C10H12  | 000824-90-8 | 90   |
| 4    |    | Indan, 1-methyl-                    | 132 | C10H12  | 000767-58-8 | 90   |
| 5    |    | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000767-99-7 | 90   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011719\  
Data File : VX007086.D  
Acq On : 17 Jan 2019 14:03  
Operator : JC/SP  
Sample : K1168-05  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS038RW150-190115

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260

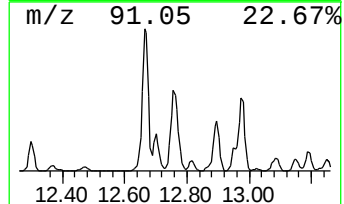
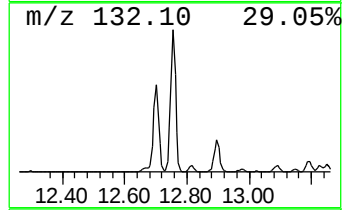
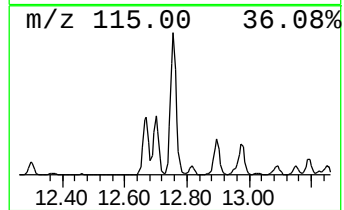
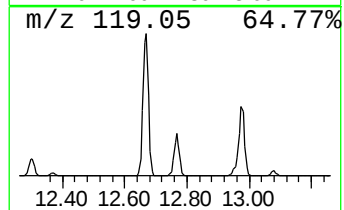
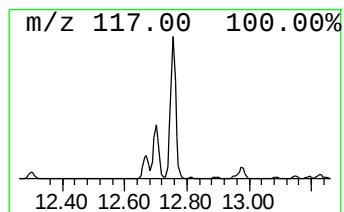
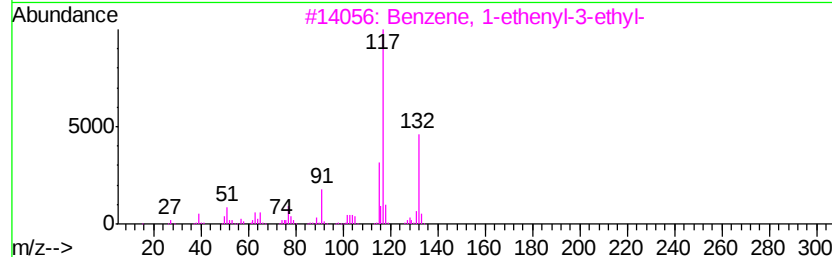
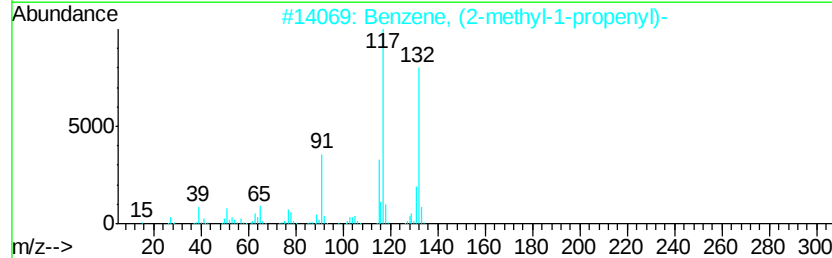
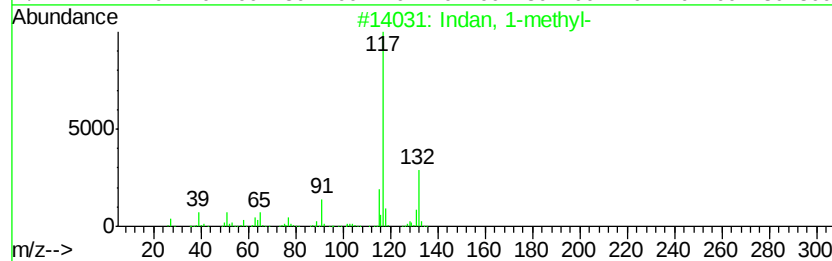
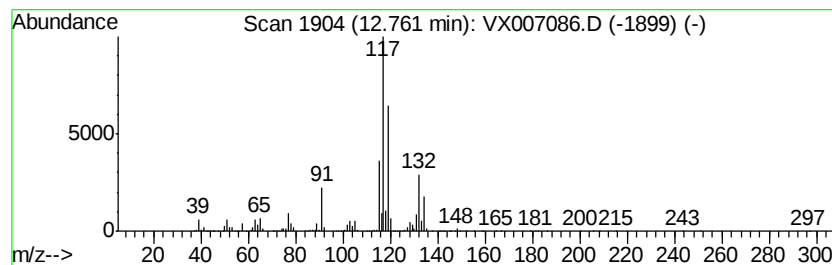
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Indan, 1-methyl- Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.76 | 95.25 ug/l | 4903110 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Indan, 1-methyl-                  | 132 | C10H12  | 000767-58-8 | 94   |
| 2    |    | Benzene, (2-methyl-1-propenyl)-   | 132 | C10H12  | 000768-49-0 | 81   |
| 3    |    | Benzene, 1-ethenyl-3-ethyl-       | 132 | C10H12  | 007525-62-4 | 81   |
| 4    |    | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12  | 001587-04-8 | 81   |
| 5    |    | Benzene, (2-methyl-2-propenyl)-   | 132 | C10H12  | 003290-53-7 | 80   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011719\  
Data File : VX007086.D  
Acq On : 17 Jan 2019 14:03  
Operator : JC/SP  
Sample : K1168-05  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS038RW150-190115

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260

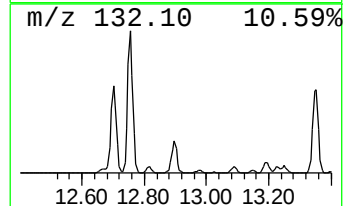
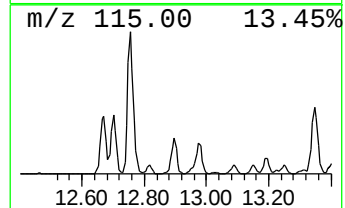
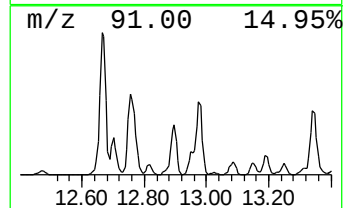
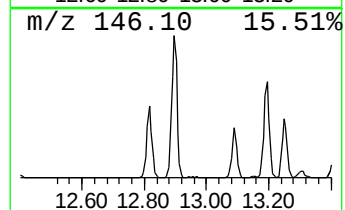
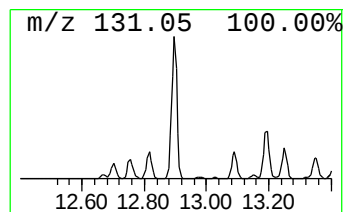
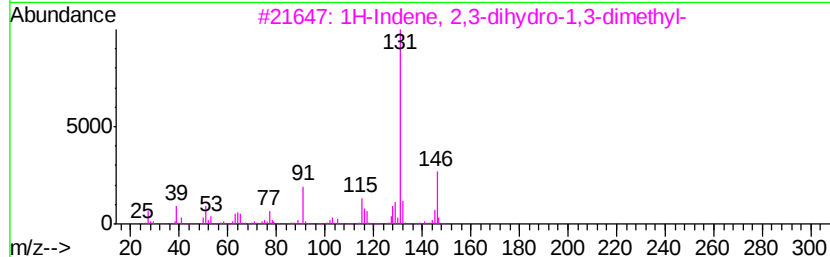
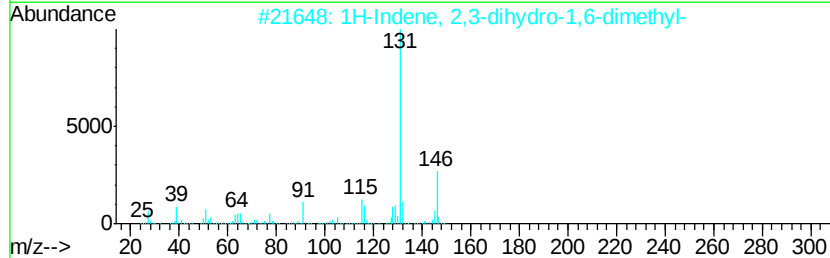
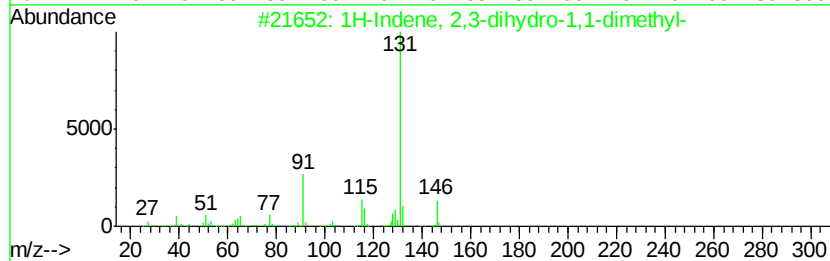
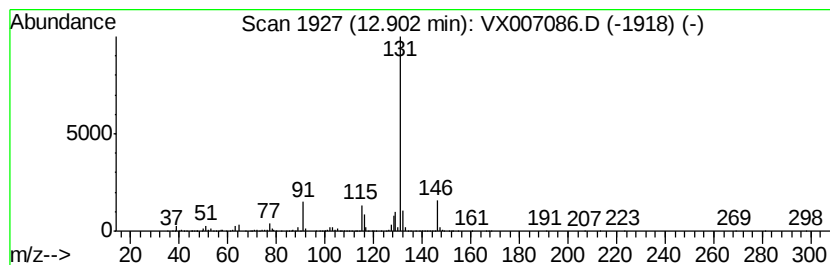
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 8

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.90 | 38.73 ug/l | 1993330 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 2,3-dihydro-1,1-dimet... | 146 | C11H14  | 004912-92-9 | 94   |
| 2    |    | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 91   |
| 3    |    | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 90   |
| 4    |    | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 87   |
| 5    |    | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 86   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011719\  
Data File : VX007086.D  
Acq On : 17 Jan 2019 14:03  
Operator : JC/SP  
Sample : K1168-05  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS038RW150-190115

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260

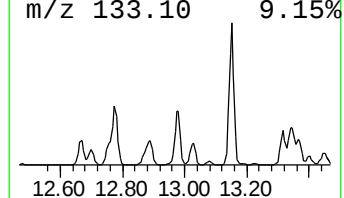
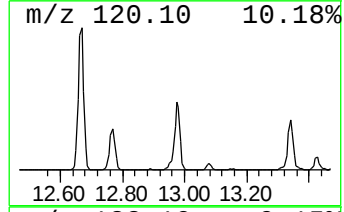
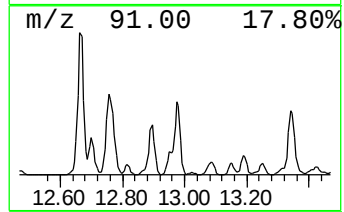
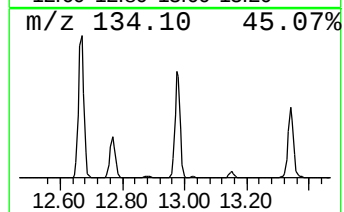
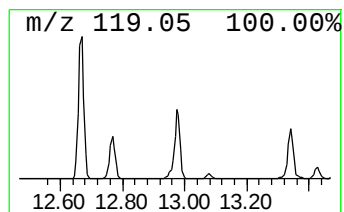
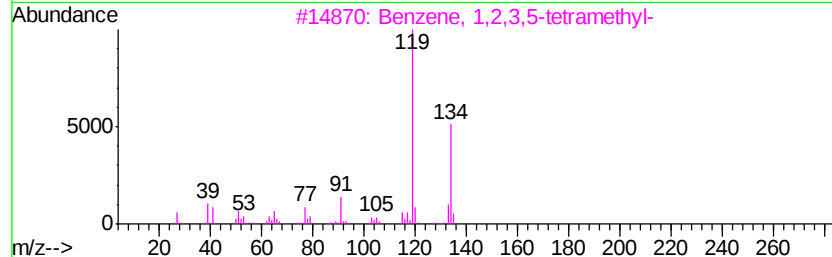
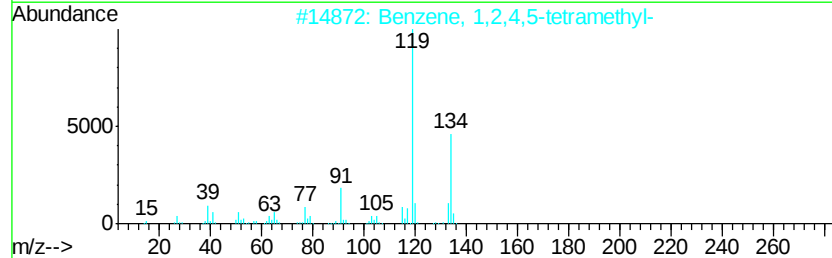
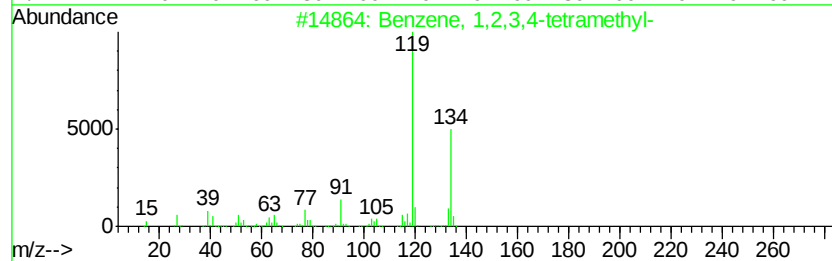
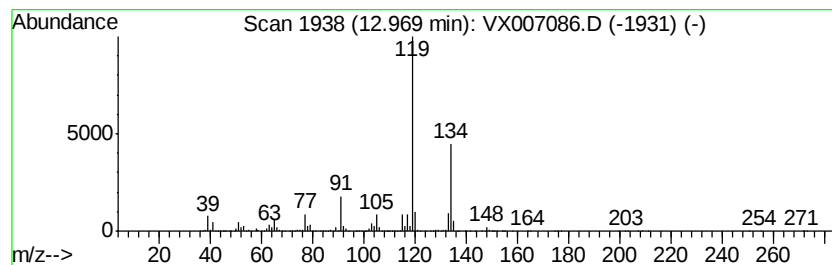
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 5

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 12.97 | 69.88 ug/l | 3597200 | 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, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 93   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011719\  
Data File : VX007086.D  
Acq On : 17 Jan 2019 14:03  
Operator : JC/SP  
Sample : K1168-05  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS038RW150-190115

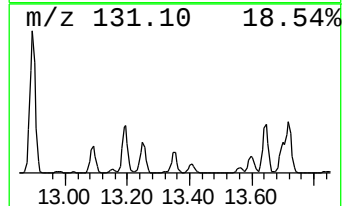
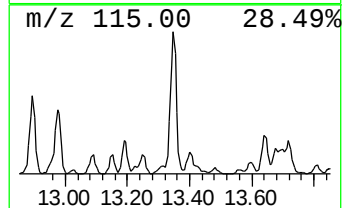
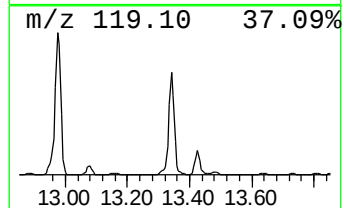
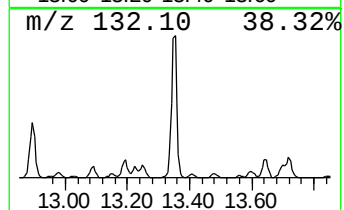
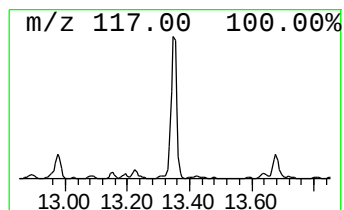
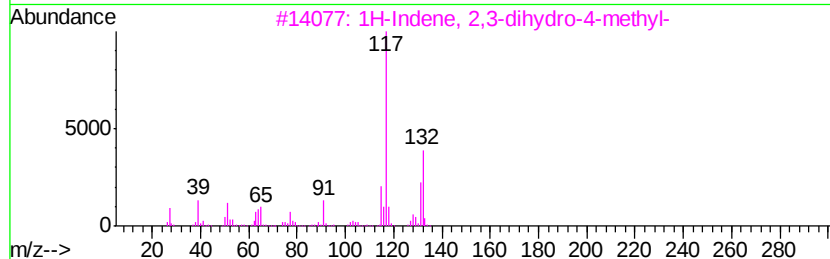
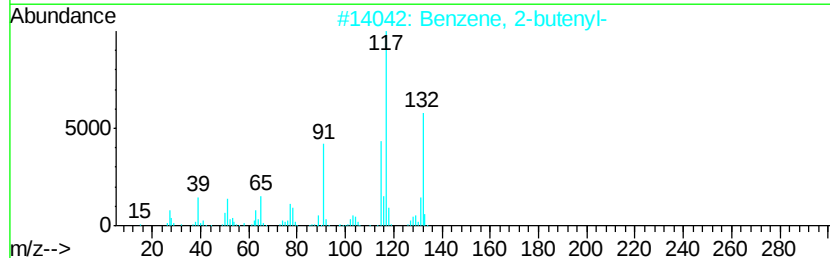
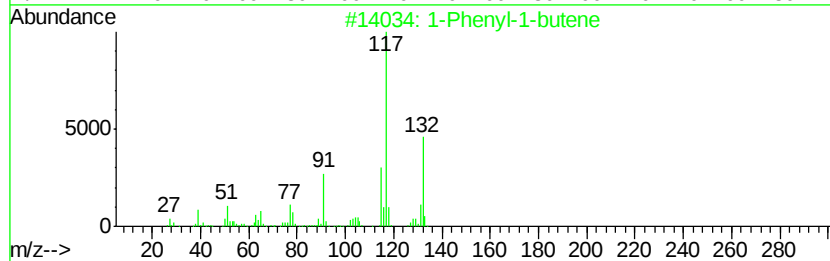
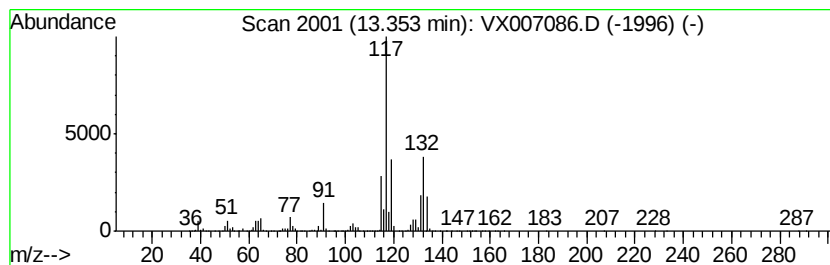
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260

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

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

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 13.35 | 70.58 ug/l | 3633020 | 1,4-Dichlorobenzene-d4 | 12.08 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1-Phenyl-1-butene                | 132 | C10H12  | 000824-90-8 | 95   |
| 2    |    |   | Benzene, 2-butenyl-              | 132 | C10H12  | 001560-06-1 | 87   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 86   |
| 4    |    |   | Benzene, 1-ethenyl-3-ethyl-      | 132 | C10H12  | 007525-62-4 | 86   |
| 5    |    |   | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 78   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX011719\  
Data File : VX007086.D  
Acq On : 17 Jan 2019 14:03  
Operator : JC/SP  
Sample : K1168-05  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS038RW150-190115

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.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 |
| Pentane, 2,2,4-tr... | 6.35  | 68.6    | ug/l  | 2643020  | 2                     | 6.86  | 1927190 | 50.0 |
| Pentane, 2,3,4-tr... | 8.05  | 46.2    | ug/l  | 1780450  | 2                     | 6.86  | 1927190 | 50.0 |
| Pentane, 2,3,3-tr... | 8.18  | 81.5    | ug/l  | 3140270  | 2                     | 6.86  | 1927190 | 50.0 |
| o-Cymene             | 12.23 | 35.8    | ug/l  | 1840070  | 4                     | 12.08 | 2573690 | 50.0 |
| Benzene, 1-ethyl-... | 12.67 | 112.8   | ug/l  | 5806830  | 4                     | 12.08 | 2573690 | 50.0 |
| Benzene, 1-methyl... | 12.70 | 32.6    | ug/l  | 1676260  | 4                     | 12.08 | 2573690 | 50.0 |
| Indan, 1-methyl-     | 12.76 | 95.3    | ug/l  | 4903110  | 4                     | 12.08 | 2573690 | 50.0 |
| 1H-Indene, 2,3-di... | 12.90 | 38.7    | ug/l  | 1993330  | 4                     | 12.08 | 2573690 | 50.0 |
| Benzene, 1,2,3,4-... | 12.97 | 69.9    | ug/l  | 3597200  | 4                     | 12.08 | 2573690 | 50.0 |
| 1-Phenyl-1-butene    | 13.35 | 70.6    | ug/l  | 3633020  | 4                     | 12.08 | 2573690 | 50.0 |