

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW042120\  
 Data File : VW015268.D  
 Acq On : 21 Apr 2020 17:38  
 Operator : SY/VA  
 Sample : L2283-07  
 Misc : 5.80G/5ML/MSVOA W/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 WB-1-2

## Integration Parameters: RTEINT.P

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

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W042020S.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         | 2.330       | 65            | 70          | 73           | rBV2     | 7858           | 14941         | 1.41%           | 0.075%        |
| 2         | 2.452       | 86            | 90          | 97           | rVB2     | 6907           | 10859         | 1.02%           | 0.055%        |
| 3         | 4.135       | 357           | 366         | 379          | rBV      | 21759          | 60257         | 5.68%           | 0.304%        |
| 4         | 4.385       | 396           | 407         | 416          | rBV2     | 10546          | 31548         | 2.97%           | 0.159%        |
| 5         | 4.921       | 485           | 495         | 511          | rBV2     | 11917          | 39269         | 3.70%           | 0.198%        |
| 6         | 5.190       | 530           | 539         | 552          | rVB      | 5204           | 18578         | 1.75%           | 0.094%        |
| 7         | 7.171       | 850           | 864         | 879          | rBV3     | 23134          | 99264         | 9.36%           | 0.501%        |
| 8         | 7.884       | 971           | 981         | 986          | rBV      | 136497         | 326598        | 30.79%          | 1.647%        |
| 9         | 7.951       | 986           | 992         | 1001         | rVB      | 279816         | 611458        | 57.64%          | 3.084%        |
| 10        | 8.305       | 1037          | 1050        | 1062         | rVB      | 123508         | 293909        | 27.71%          | 1.482%        |
| 11        | 8.476       | 1068          | 1078        | 1088         | rVB2     | 24695          | 61423         | 5.79%           | 0.310%        |
| 12        | 8.841       | 1130          | 1138        | 1147         | rVB      | 359219         | 710492        | 66.98%          | 3.583%        |
| 13        | 9.067       | 1165          | 1175        | 1183         | rBV6     | 8184           | 29986         | 2.83%           | 0.151%        |
| 14        | 9.329       | 1207          | 1218        | 1223         | rBV2     | 15035          | 35571         | 3.35%           | 0.179%        |
| 15        | 9.384       | 1223          | 1227        | 1236         | rVB2     | 13825          | 26123         | 2.46%           | 0.132%        |
| 16        | 9.756       | 1281          | 1288        | 1299         | rBV      | 20278          | 42191         | 3.98%           | 0.213%        |
| 17        | 9.896       | 1300          | 1311        | 1316         | rBV2     | 24263          | 51108         | 4.82%           | 0.258%        |
| 18        | 9.957       | 1316          | 1321        | 1325         | rBV2     | 31811          | 58564         | 5.52%           | 0.295%        |
| 19        | 10.097      | 1333          | 1344        | 1357         | rBV      | 38370          | 88119         | 8.31%           | 0.444%        |
| 20        | 10.250      | 1357          | 1369        | 1374         | rVV2     | 30503          | 61895         | 5.83%           | 0.312%        |
| 21        | 10.323      | 1374          | 1381        | 1388         | rVV      | 577823         | 1003510       | 94.60%          | 5.061%        |
| 22        | 10.396      | 1388          | 1393        | 1405         | rVV3     | 17990          | 47255         | 4.45%           | 0.238%        |
| 23        | 10.506      | 1405          | 1411        | 1418         | rVB4     | 12644          | 25937         | 2.44%           | 0.131%        |
| 24        | 10.701      | 1438          | 1443        | 1449         | rVB      | 24676          | 42514         | 4.01%           | 0.214%        |
| 25        | 10.774      | 1450          | 1455        | 1459         | rBV3     | 9283           | 16015         | 1.51%           | 0.081%        |
| 26        | 10.841      | 1459          | 1466        | 1473         | rVB3     | 32571          | 81025         | 7.64%           | 0.409%        |
| 27        | 10.939      | 1473          | 1482        | 1488         | rBV      | 37578          | 74624         | 7.03%           | 0.376%        |
| 28        | 11.036      | 1492          | 1498        | 1500         | rBV      | 46544          | 76572         | 7.22%           | 0.386%        |
| 29        | 11.231      | 1524          | 1530        | 1535         | rBV2     | 26412          | 48933         | 4.61%           | 0.247%        |
| 30        | 11.280      | 1535          | 1538        | 1543         | rVB5     | 8757           | 13363         | 1.26%           | 0.067%        |
| 31        | 11.341      | 1543          | 1548        | 1551         | rBV2     | 35148          | 58031         | 5.47%           | 0.293%        |
| 32        | 11.408      | 1551          | 1559        | 1570         | rVB4     | 71641          | 204262        | 19.25%          | 1.030%        |
| 33        | 11.512      | 1571          | 1576        | 1586         | rVB      | 71449          | 123381        | 11.63%          | 0.622%        |
| 34        | 11.627      | 1588          | 1595        | 1603         | rVV      | 484738         | 840297        | 79.21%          | 4.238%        |

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Integrator: RTE  
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Filtering: 5  
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 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\_W\METHOD\82W042020S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |         |         |        |
|----|--------|------|------|------|------|--------|---------|---------|--------|
| 35 | 11.695 | 1603 | 1606 | 1609 | rVV  | 12999  | 19574   | 1.85%   | 0.099% |
| 36 | 11.731 | 1609 | 1612 | 1616 | rVB  | 18459  | 24827   | 2.34%   | 0.125% |
| 37 | 11.841 | 1621 | 1630 | 1632 | rBV5 | 29784  | 69670   | 6.57%   | 0.351% |
| 38 | 11.877 | 1632 | 1636 | 1640 | rVV  | 39015  | 62043   | 5.85%   | 0.313% |
| 39 | 11.914 | 1640 | 1642 | 1647 | rVB3 | 16885  | 22144   | 2.09%   | 0.112% |
| 40 | 11.987 | 1648 | 1654 | 1655 | rBV4 | 7395   | 14423   | 1.36%   | 0.073% |
| 41 | 12.060 | 1661 | 1666 | 1671 | rVB2 | 45885  | 75948   | 7.16%   | 0.383% |
| 42 | 12.140 | 1673 | 1679 | 1690 | rVV5 | 50035  | 133789  | 12.61%  | 0.675% |
| 43 | 12.249 | 1690 | 1697 | 1702 | rVB  | 85002  | 145968  | 13.76%  | 0.736% |
| 44 | 12.365 | 1713 | 1716 | 1723 | rVB4 | 52036  | 98534   | 9.29%   | 0.497% |
| 45 | 12.469 | 1727 | 1733 | 1737 | rVV2 | 141218 | 266378  | 25.11%  | 1.343% |
| 46 | 12.511 | 1737 | 1740 | 1742 | rVV4 | 50449  | 81330   | 7.67%   | 0.410% |
| 47 | 12.536 | 1742 | 1744 | 1747 | rVV  | 51991  | 73766   | 6.95%   | 0.372% |
| 48 | 12.615 | 1747 | 1757 | 1766 | rVB2 | 405332 | 1016331 | 95.81%  | 5.125% |
| 49 | 12.755 | 1776 | 1780 | 1781 | rBV2 | 45916  | 63021   | 5.94%   | 0.318% |
| 50 | 12.865 | 1791 | 1798 | 1801 | rBV4 | 78381  | 161017  | 15.18%  | 0.812% |
| 51 | 12.932 | 1802 | 1809 | 1817 | rVV4 | 239659 | 597476  | 56.32%  | 3.013% |
| 52 | 13.078 | 1830 | 1833 | 1836 | rBV3 | 41243  | 62867   | 5.93%   | 0.317% |
| 53 | 13.164 | 1843 | 1847 | 1850 | rBV  | 165971 | 232106  | 21.88%  | 1.171% |
| 54 | 13.249 | 1858 | 1861 | 1865 | rVB  | 70126  | 94844   | 8.94%   | 0.478% |
| 55 | 13.298 | 1865 | 1869 | 1873 | rBV2 | 66756  | 110596  | 10.43%  | 0.558% |
| 56 | 13.341 | 1874 | 1876 | 1879 | rVV  | 36881  | 42649   | 4.02%   | 0.215% |
| 57 | 13.377 | 1879 | 1882 | 1883 | rVV2 | 41523  | 44467   | 4.19%   | 0.224% |
| 58 | 13.408 | 1884 | 1887 | 1890 | rVV  | 128647 | 210981  | 19.89%  | 1.064% |
| 59 | 13.444 | 1890 | 1893 | 1896 | rVV2 | 142866 | 233254  | 21.99%  | 1.176% |
| 60 | 13.487 | 1896 | 1900 | 1907 | rVV3 | 213732 | 498870  | 47.03%  | 2.516% |
| 61 | 13.554 | 1907 | 1911 | 1916 | rVV  | 501991 | 811406  | 76.49%  | 4.092% |
| 62 | 13.621 | 1920 | 1922 | 1929 | rVB3 | 121867 | 175585  | 16.55%  | 0.885% |
| 63 | 13.700 | 1930 | 1935 | 1940 | rBV4 | 67545  | 139670  | 13.17%  | 0.704% |
| 64 | 13.761 | 1940 | 1945 | 1949 | rBV5 | 72966  | 132613  | 12.50%  | 0.669% |
| 65 | 13.871 | 1958 | 1963 | 1968 | rBV2 | 669993 | 1060830 | 100.00% | 5.350% |
| 66 | 14.036 | 1984 | 1990 | 1994 | rBV7 | 70009  | 158134  | 14.91%  | 0.797% |
| 67 | 14.090 | 1996 | 1999 | 2003 | rVB  | 138215 | 202546  | 19.09%  | 1.021% |
| 68 | 14.133 | 2004 | 2006 | 2012 | rVB2 | 115236 | 160868  | 15.16%  | 0.811% |
| 69 | 14.200 | 2012 | 2017 | 2022 | rBV4 | 160980 | 312062  | 29.42%  | 1.574% |
| 70 | 14.261 | 2023 | 2027 | 2034 | rBV7 | 72383  | 135195  | 12.74%  | 0.682% |
| 71 | 14.346 | 2034 | 2041 | 2043 | rBV6 | 78002  | 173722  | 16.38%  | 0.876% |

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Instrument :  
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 WB-1-2

## Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON Filtering: 5  
 Sampling : 1 Min Area: 3 % of largest Peak  
 Start Thrs: 0.2 Max Peaks: 100  
 Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W042020S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 72 | 14.389 | 2043 | 2048 | 2051 | rVV2 | 245736 | 418336 | 39.43% | 2.110% |
| 73 | 14.420 | 2051 | 2053 | 2056 | rVV2 | 131892 | 185916 | 17.53% | 0.938% |
| 74 | 14.456 | 2056 | 2059 | 2062 | rVB  | 145664 | 190845 | 17.99% | 0.962% |
| 75 | 14.499 | 2062 | 2066 | 2069 | rBV3 | 141709 | 176350 | 16.62% | 0.889% |
| 76 | 14.548 | 2070 | 2074 | 2080 | rVB4 | 134625 | 231508 | 21.82% | 1.167% |
| 77 | 14.639 | 2087 | 2089 | 2094 | rVB3 | 57254  | 81665  | 7.70%  | 0.412% |
| 78 | 14.724 | 2098 | 2103 | 2108 | rVV2 | 401270 | 613411 | 57.82% | 3.093% |
| 79 | 14.791 | 2109 | 2114 | 2119 | rVV3 | 156765 | 376206 | 35.46% | 1.897% |
| 80 | 14.840 | 2119 | 2122 | 2130 | rVB2 | 172435 | 393698 | 37.11% | 1.985% |
| 81 | 15.066 | 2154 | 2159 | 2166 | rBV4 | 177453 | 340913 | 32.14% | 1.719% |
| 82 | 15.169 | 2171 | 2176 | 2184 | rVV5 | 129003 | 288145 | 27.16% | 1.453% |
| 83 | 15.249 | 2186 | 2189 | 2197 | rVB6 | 86396  | 208738 | 19.68% | 1.053% |
| 84 | 15.328 | 2197 | 2202 | 2205 | rBV2 | 185157 | 313126 | 29.52% | 1.579% |
| 85 | 15.365 | 2205 | 2208 | 2213 | rVB  | 199181 | 294773 | 27.79% | 1.487% |
| 86 | 15.554 | 2235 | 2239 | 2248 | rVB3 | 263161 | 492062 | 46.38% | 2.481% |
| 87 | 15.657 | 2248 | 2256 | 2262 | rBV5 | 105551 | 306273 | 28.87% | 1.545% |
| 88 | 15.730 | 2264 | 2268 | 2273 | rVB5 | 76100  | 129970 | 12.25% | 0.655% |
| 89 | 16.285 | 2355 | 2359 | 2364 | rVB2 | 97477  | 164907 | 15.55% | 0.832% |
| 90 | 16.377 | 2369 | 2374 | 2379 | rVV3 | 95272  | 207848 | 19.59% | 1.048% |
| 91 | 16.438 | 2380 | 2384 | 2388 | rVV2 | 72662  | 155665 | 14.67% | 0.785% |
| 92 | 16.492 | 2388 | 2393 | 2399 | rVB2 | 262994 | 498334 | 46.98% | 2.513% |
| 93 | 16.645 | 2410 | 2418 | 2431 | rVB2 | 165266 | 513526 | 48.41% | 2.590% |

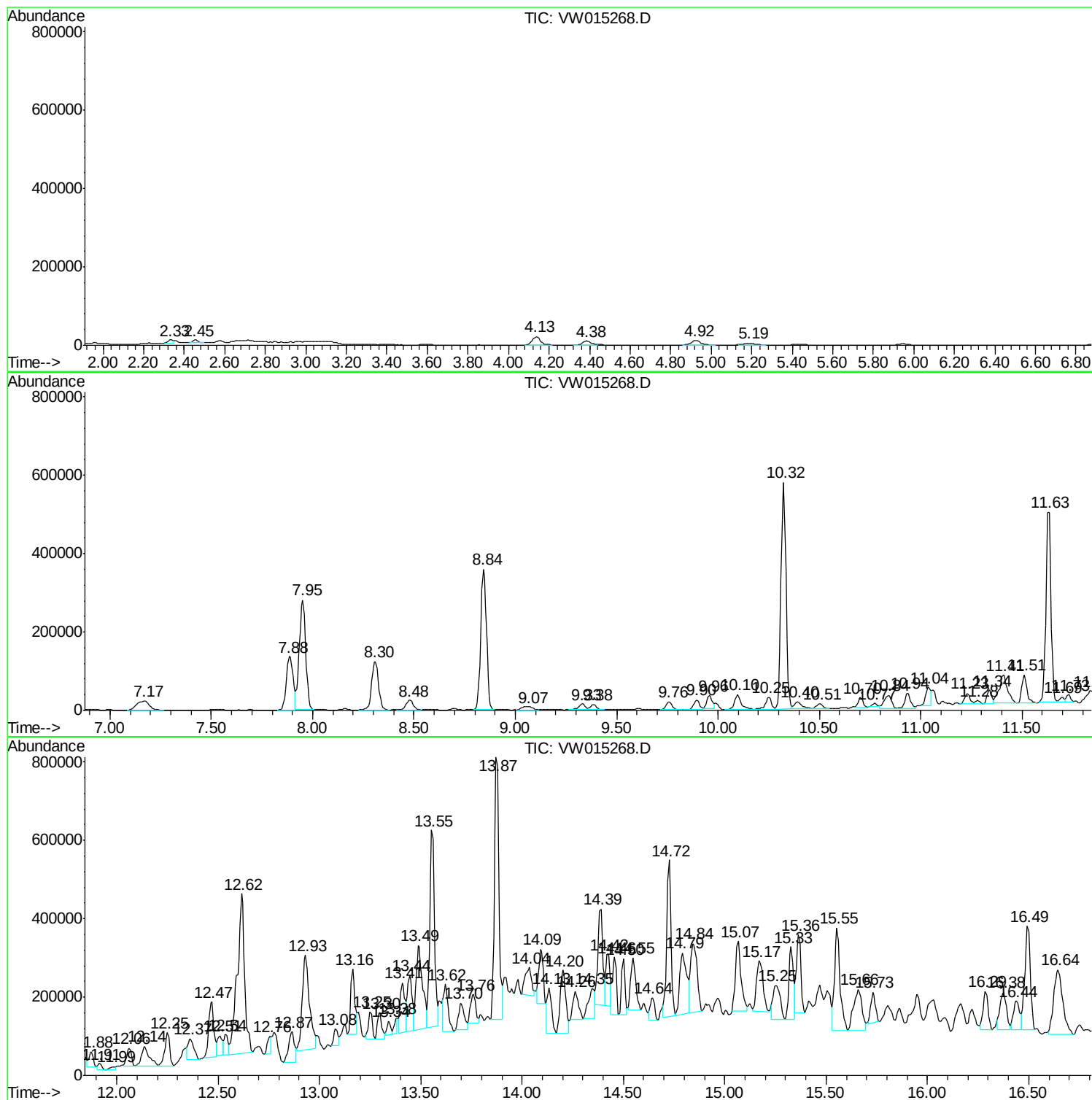
Sum of corrected areas: 19829591

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WB-1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W042020S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW042120\  
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ALS Vial : 20 Sample Multiplier: 1

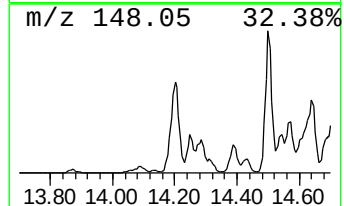
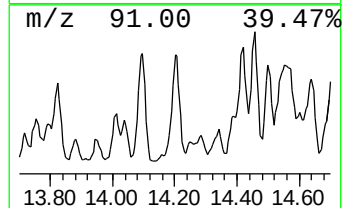
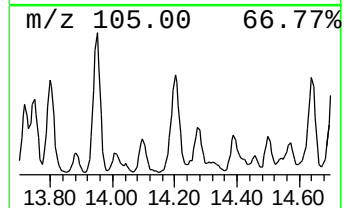
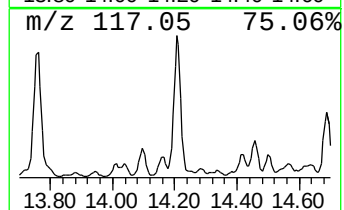
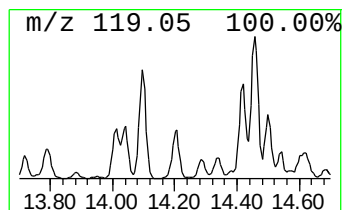
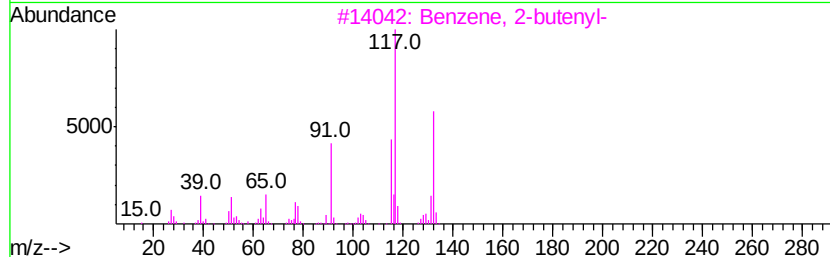
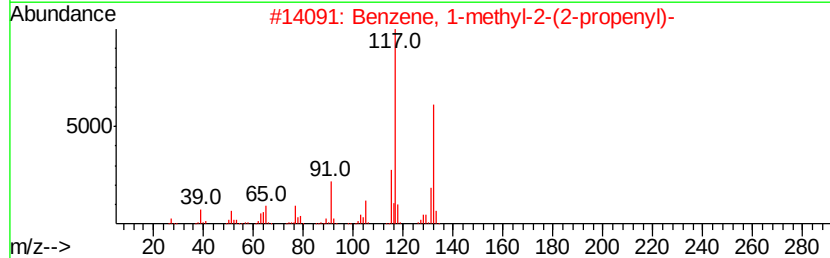
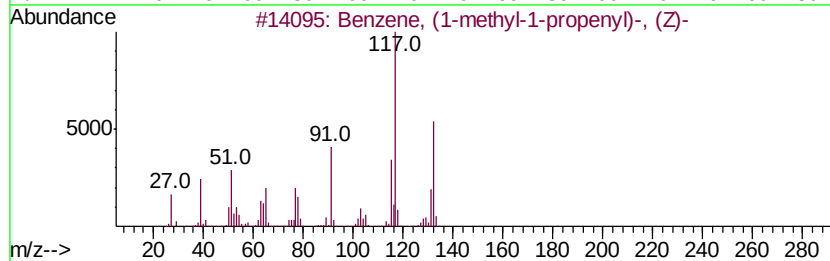
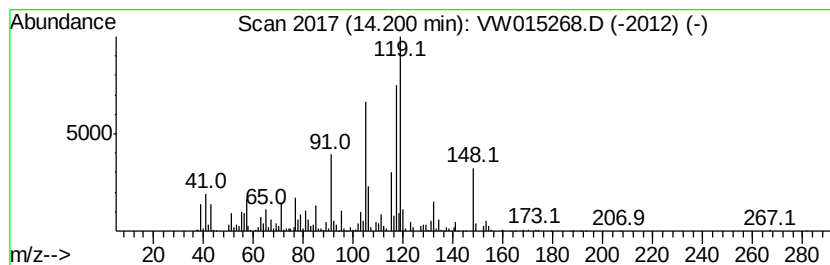
Instrument :  
MSVOA\_W  
ClientSampleId :  
WB-1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W042020S.M  
Quant Title : SW846 8260

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

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Peak Number 1 unknown14.20 Concentration Rank 9

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 14.20   | 19.23 ug/l | 312062                              | 1,4-Dichlorobenzene-d4 | 13.56          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |            | Benzene, (1-methyl-1-propenyl)-,... | 132 C10H12             | 000767-99-7 46 |
| 2       |            | Benzene, 1-methyl-2-(2-propenyl)-   | 132 C10H12             | 001587-04-8 46 |
| 3       |            | Benzene, 2-butenyl-                 | 132 C10H12             | 001560-06-1 46 |
| 4       |            | Benzene, 1-methyl-4-(1-methylpro... | 148 C11H16             | 001595-16-0 45 |
| 5       |            | 4'-Methylpropiophenone              | 148 C10H12O            | 005337-93-9 42 |



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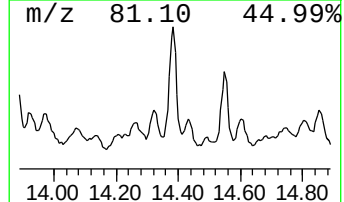
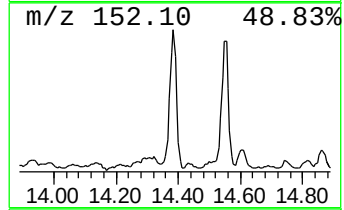
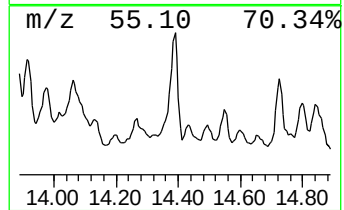
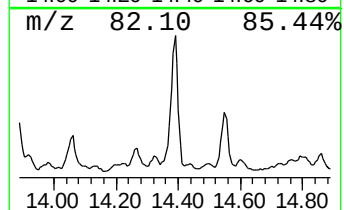
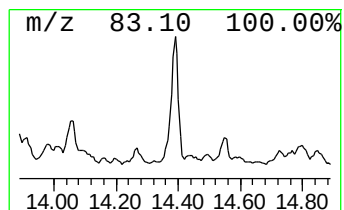
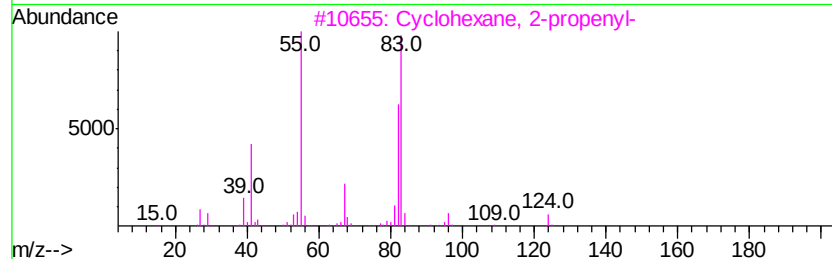
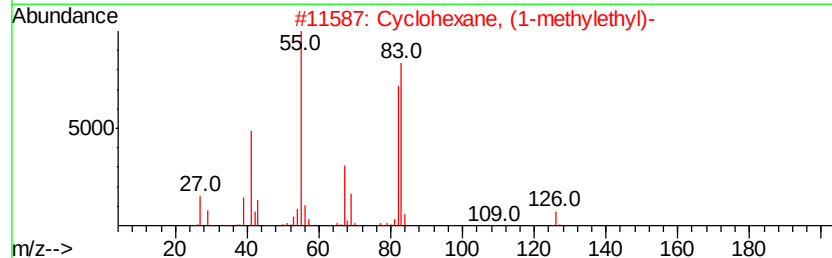
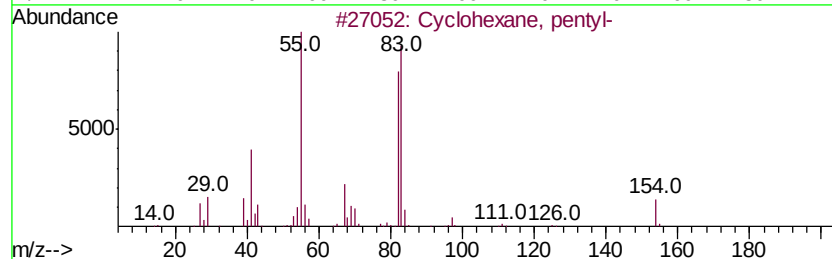
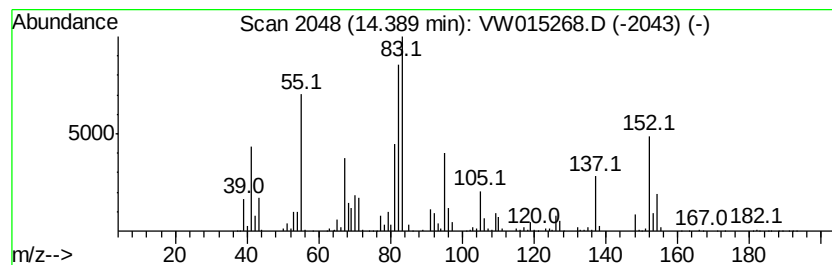
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown14.39 Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.39 | 25.78 ug/l | 418336 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, pentyl-                 | 154 | C11H22  | 004292-92-6 | 49   |
| 2    |    | Cyclohexane, (1-methylethyl)-        | 126 | C9H18   | 000696-29-7 | 43   |
| 3    |    | Cyclohexane, 2-propenyl-             | 124 | C9H16   | 002114-42-3 | 43   |
| 4    |    | Cyclohexane, 1,1'-(1,4-butanediyl... | 222 | C16H30  | 006165-44-2 | 43   |
| 5    |    | 1H-Pyrrole, 2,3-dihydro-1-methyl-    | 83  | C5H9N   | 033838-11-8 | 43   |



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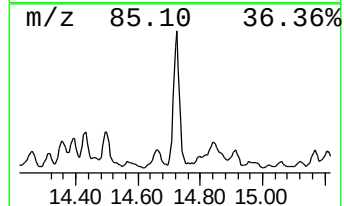
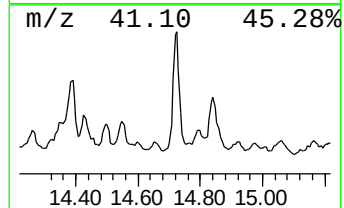
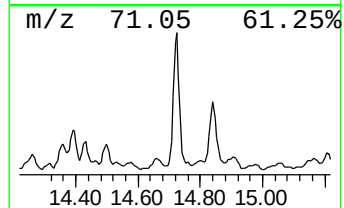
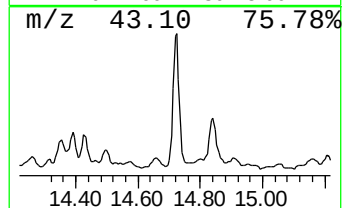
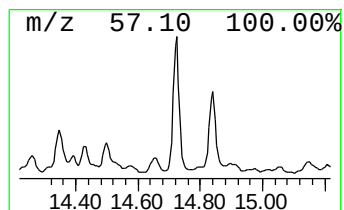
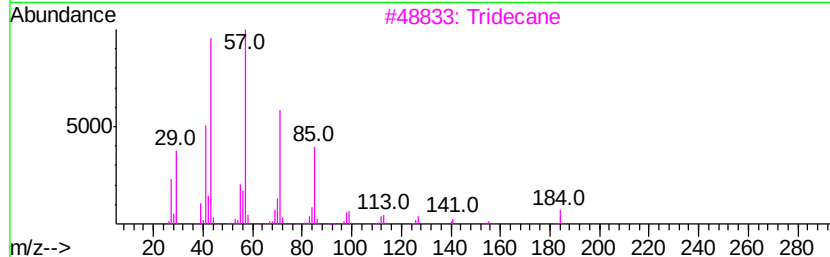
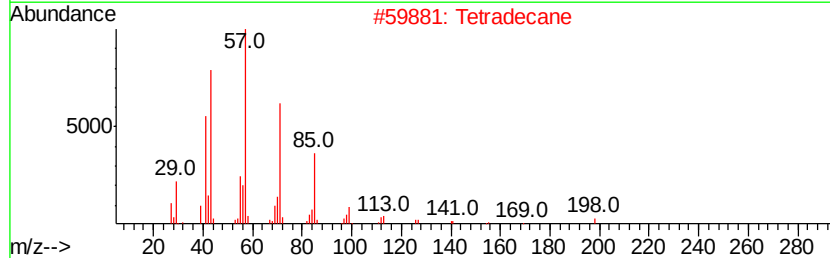
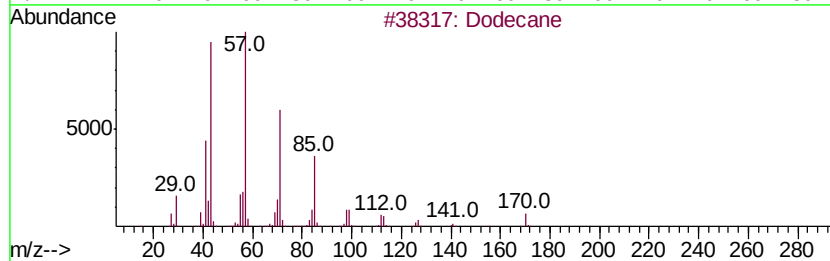
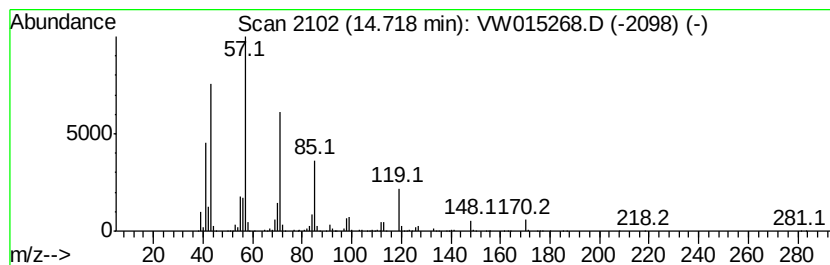
Instrument :  
MSVOA\_W  
ClientSampleId :  
WB-1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W042020S.M  
Quant Title : SW846 8260

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

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Peak Number 3 Dodecane Concentration Rank 1

| R.T.    | EstConc     | Area         | Relative to ISTD       | R.T.    |             |      |
|---------|-------------|--------------|------------------------|---------|-------------|------|
| 14.72   | 37.80 ug/l  | 613411       | 1,4-Dichlorobenzene-d4 | 13.56   |             |      |
| Hit# of | 5           | Tentative ID | MW                     | MolForm | CAS#        | Qual |
| 1       | Dodecane    |              | 170                    | C12H26  | 000112-40-3 | 96   |
| 2       | Tetradecane |              | 198                    | C14H30  | 000629-59-4 | 62   |
| 3       | Tridecane   |              | 184                    | C13H28  | 000629-50-5 | 58   |
| 4       | Undecane    |              | 156                    | C11H24  | 001120-21-4 | 58   |
| 5       | Pentadecane |              | 212                    | C15H32  | 000629-62-9 | 58   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW042120\  
Data File : VW015268.D  
Acq On : 21 Apr 2020 17:38  
Operator : SY/VA  
Sample : L2283-07  
Misc : 5.80G/5ML/MSVOA W/SOIL  
ALS Vial : 20 Sample Multiplier: 1

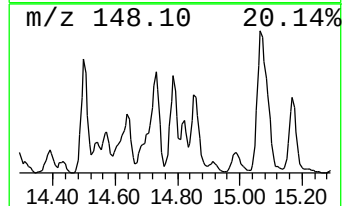
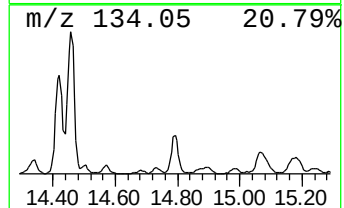
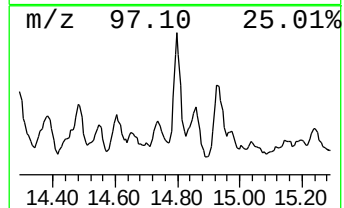
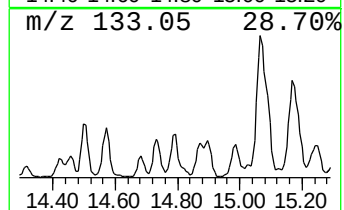
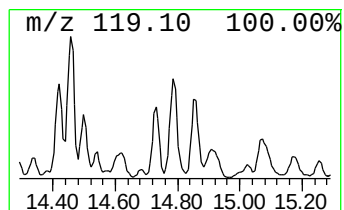
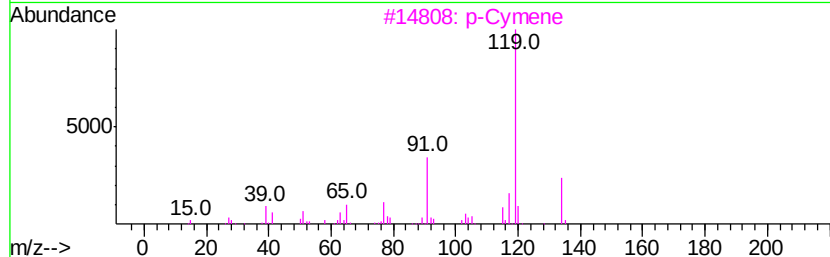
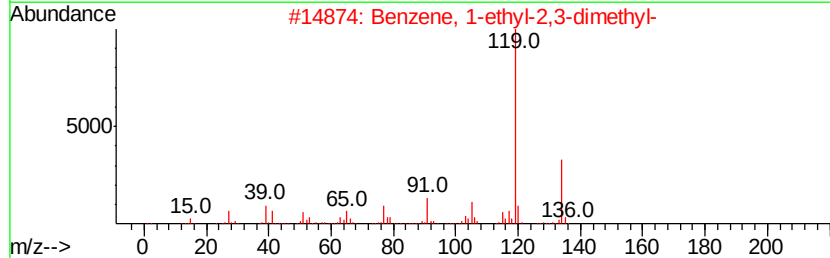
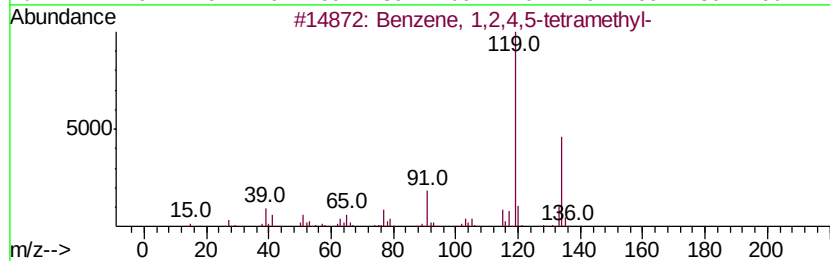
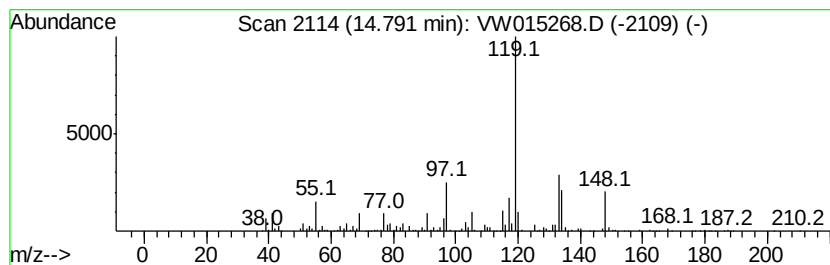
Instrument :  
MSVOA\_W  
ClientSampleId :  
WB-1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W042020S.M  
Quant Title : SW846 8260

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

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

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 14.79   | 23.18 ug/l                          | 376206       | 1,4-Dichlorobenzene-d4 | 13.56     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | Benzene, 1,2,4,5-tetramethyl-       | 134 C10H14   | 000095-93-2            | 64        |
| 2       | Benzene, 1-ethyl-2,3-dimethyl-      | 134 C10H14   | 000933-98-2            | 64        |
| 3       | p-Cymene                            | 134 C10H14   | 000099-87-6            | 58        |
| 4       | Benzene, 1,2,3,4-tetramethyl-       | 134 C10H14   | 000488-23-3            | 58        |
| 5       | Benzene, 1-methyl-4-(1-methylpro... | 148 C11H16   | 001595-16-0            | 53        |





Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW042120\  
Data File : VW015268.D  
Acq On : 21 Apr 2020 17:38  
Operator : SY/VA  
Sample : L2283-07  
Misc : 5.80G/5ML/MSVOA W/SOIL  
ALS Vial : 20 Sample Multiplier: 1

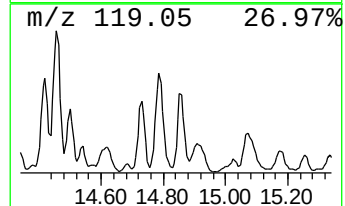
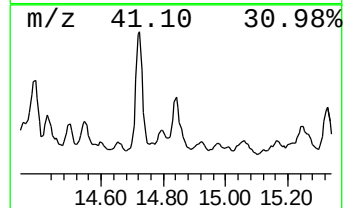
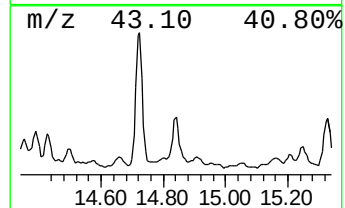
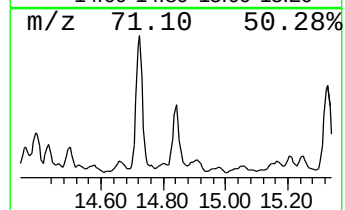
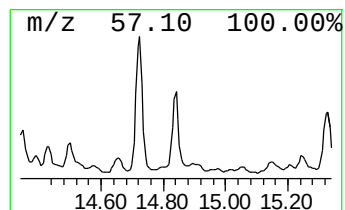
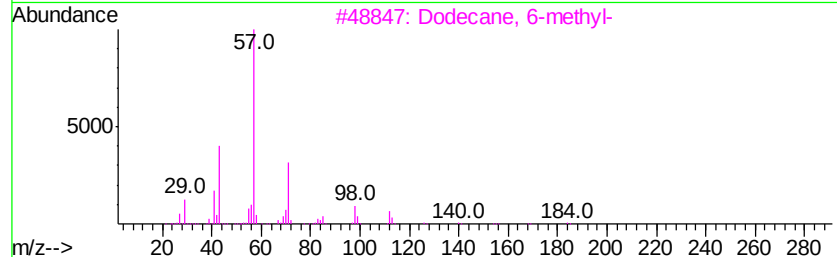
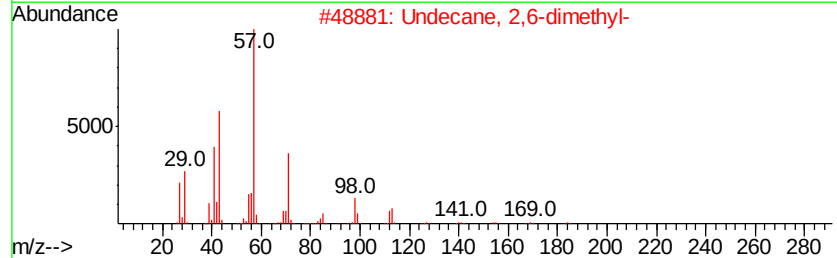
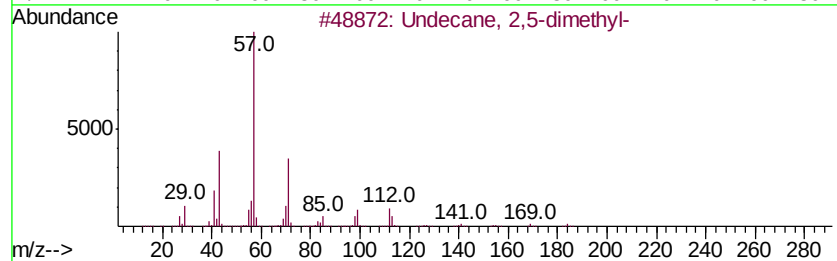
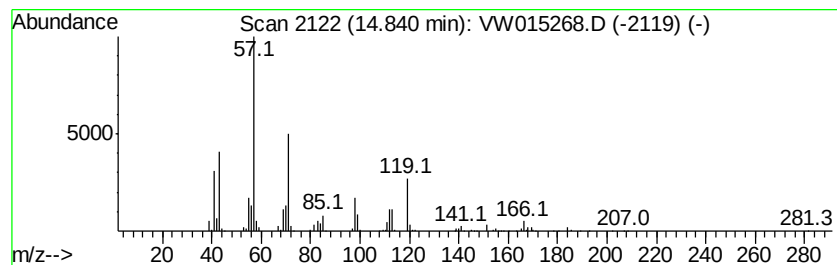
Instrument :  
MSVOA\_W  
ClientSampleId :  
WB-1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W042020S.M  
Quant Title : SW846 8260

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

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Peak Number 5 Undecane, 2,5-dimethyl- Concentration Rank 6

| R.T.    | EstConc                             | Area          | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|---------------|------------------------|-----------|
| 14.84   | 24.26 ug/l                          | 393698        | 1,4-Dichlorobenzene-d4 | 13.56     |
| Hit# of | 5                                   | Tentative ID  | MW MolForm             | CAS# Qual |
| 1       | Undecane, 2,5-dimethyl-             | 184 C13H28    | 017301-22-3            | 92        |
| 2       | Undecane, 2,6-dimethyl-             | 184 C13H28    | 017301-23-4            | 86        |
| 3       | Dodecane, 6-methyl-                 | 184 C13H28    | 006044-71-9            | 64        |
| 4       | Decane, 2,6,8-trimethyl-            | 184 C13H28    | 062108-26-3            | 52        |
| 5       | Sulfurous acid, decyl 2-ethylhex... | 334 C18H38O3S | 1000309-19-3           | 52        |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW042120\  
Data File : VW015268.D  
Acq On : 21 Apr 2020 17:38  
Operator : SY/VA  
Sample : L2283-07  
Misc : 5.80G/5ML/MSVOA W/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
WB-1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W042020S.M  
Quant Title : SW846 8260

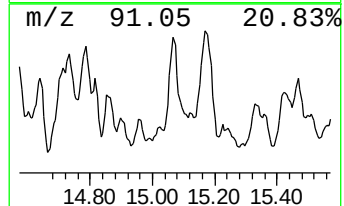
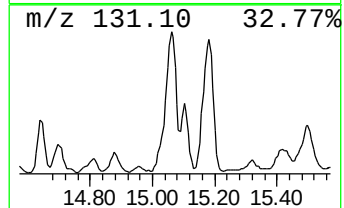
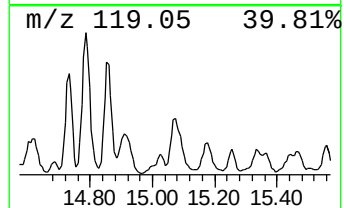
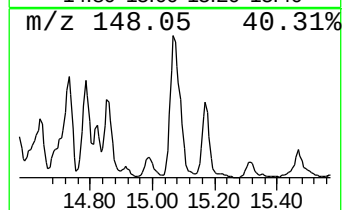
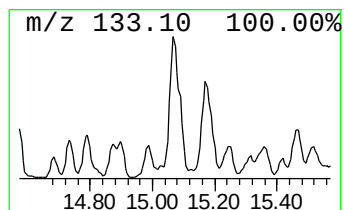
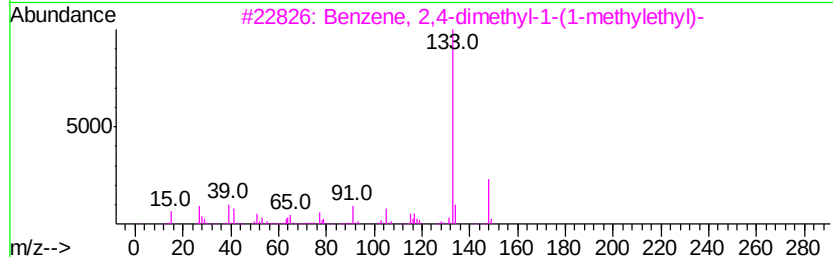
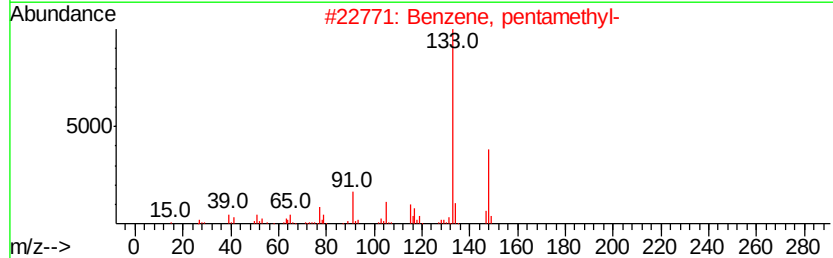
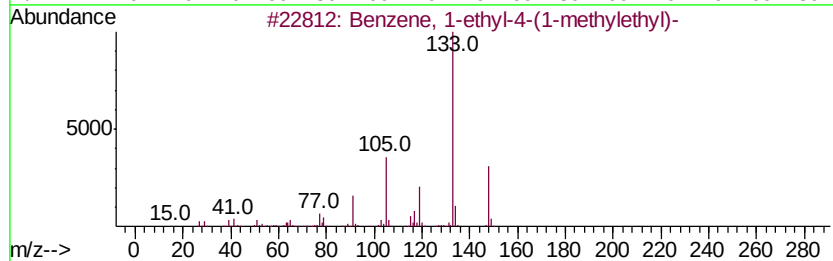
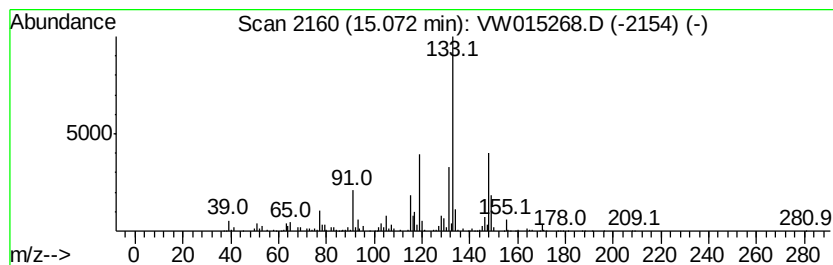
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.07 | 21.01 ug/l | 340913 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16  | 004218-48-8  | 58   |
| 2    |    | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9  | 52   |
| 3    |    | Benzene, 2,4-dimethyl-1-(1-methy... | 148 | C11H16  | 004706-89-2  | 52   |
| 4    |    | Benzene, 1,3-dimethyl-5-(1-methy... | 148 | C11H16  | 004706-90-5  | 52   |
| 5    |    | 3,4-Dimethylcumene                  | 148 | C11H16  | 1000370-34-1 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW042120\  
Data File : VW015268.D  
Acq On : 21 Apr 2020 17:38  
Operator : SY/VA  
Sample : L2283-07  
Misc : 5.80G/5ML/MSVOA W/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
WB-1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W042020S.M  
Quant Title : SW846 8260

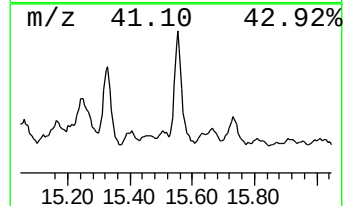
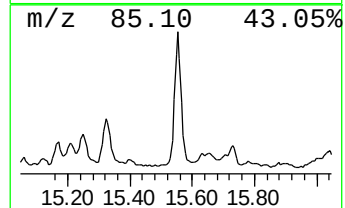
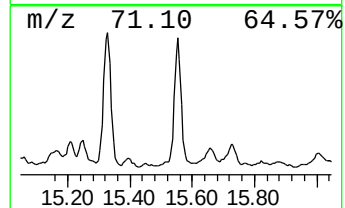
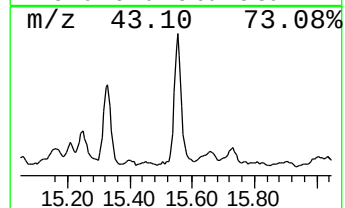
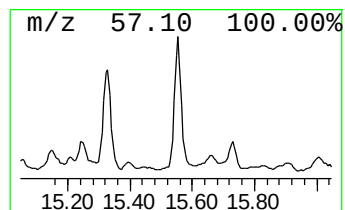
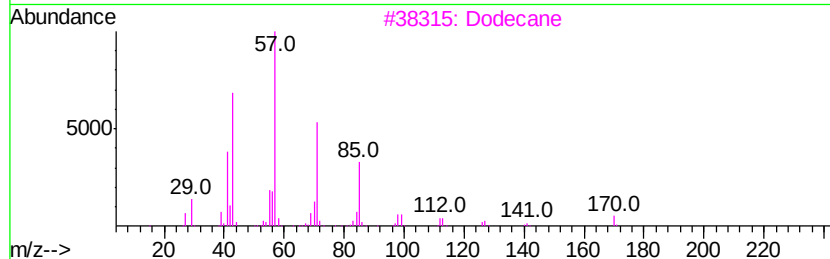
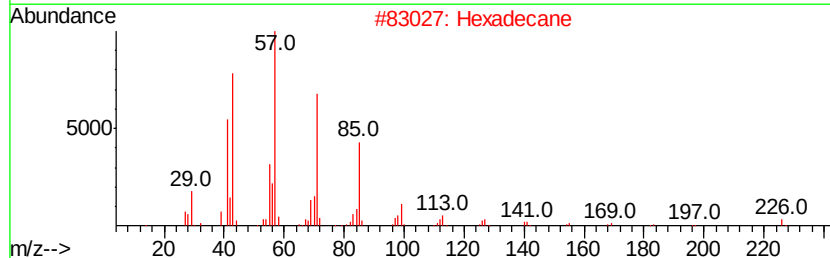
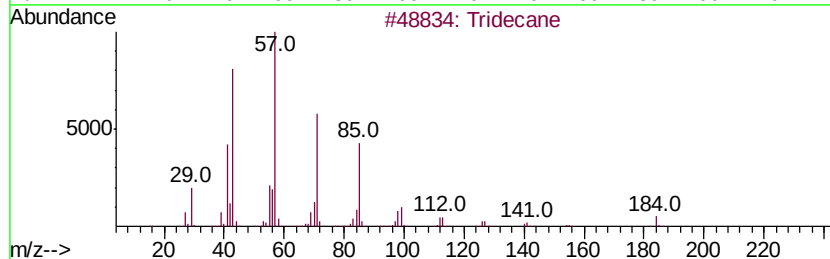
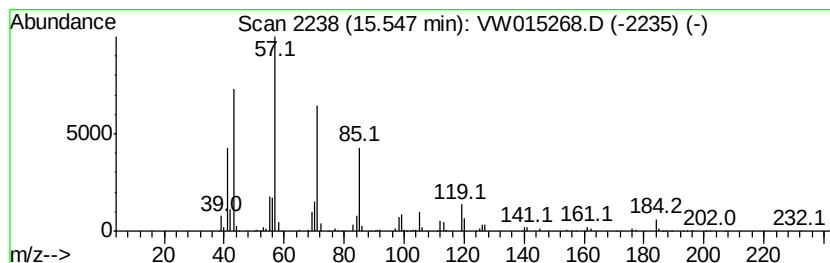
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Tridecane Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.55 | 30.32 ug/l | 492062 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# of | 5           | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------|--------------|-----|---------|-------------|------|
| 1       | Tridecane   |              | 184 | C13H28  | 000629-50-5 | 98   |
| 2       | Hexadecane  |              | 226 | C16H34  | 000544-76-3 | 76   |
| 3       | Dodecane    |              | 170 | C12H26  | 000112-40-3 | 72   |
| 4       | Pentadecane |              | 212 | C15H32  | 000629-62-9 | 72   |
| 5       | Tetradecane |              | 198 | C14H30  | 000629-59-4 | 68   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW042120\  
Data File : VW015268.D  
Acq On : 21 Apr 2020 17:38  
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Sample : L2283-07  
Misc : 5.80G/5ML/MSVOA W/SOIL  
ALS Vial : 20 Sample Multiplier: 1

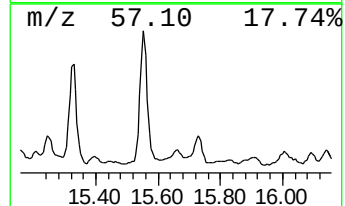
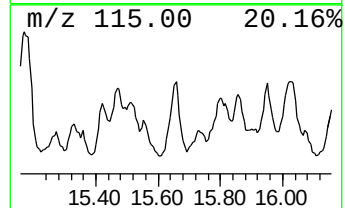
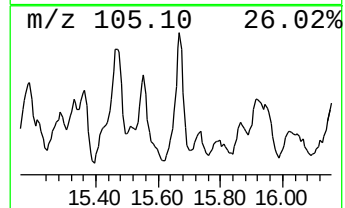
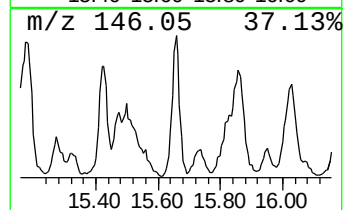
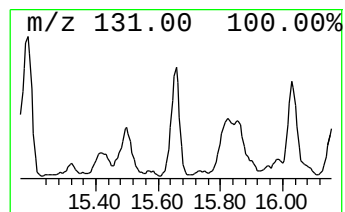
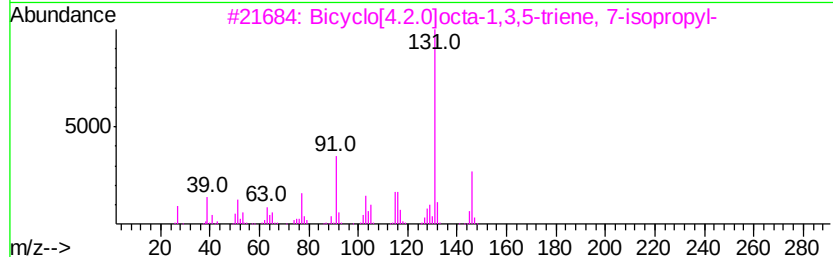
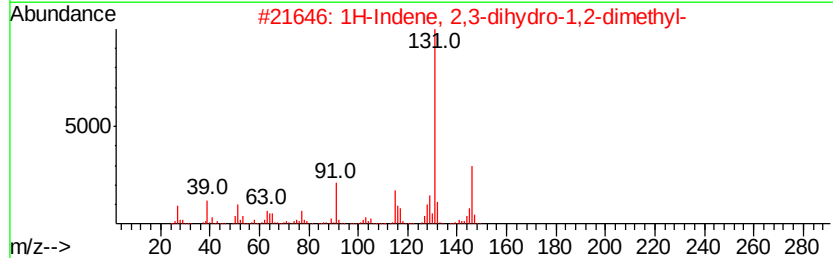
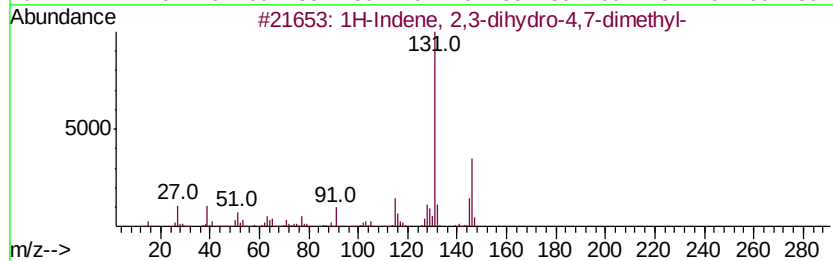
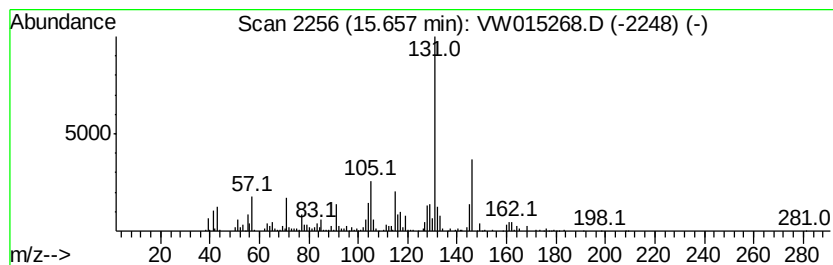
Instrument :  
MSVOA\_W  
ClientSampleId :  
WB-1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W042020S.M  
Quant Title : SW846 8260

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

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Peak Number 8 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 10

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 15.66   | 18.87 ug/l                          | 306273       | 1,4-Dichlorobenzene-d4 | 13.56     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 C11H14   | 006682-71-9            | 93        |
| 2       | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 C11H14   | 017057-82-8            | 91        |
| 3       | Bicyclo[4.2.0]octa-1,3,5-triene,... | 146 C11H14   | 027087-54-3            | 87        |
| 4       | 2,2-Dimethylindene, 2,3-dihydro-    | 146 C11H14   | 020836-11-7            | 87        |
| 5       | Benzene, (1-methyl-1-butenyl)-      | 146 C11H14   | 053172-84-2            | 87        |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW042120\  
Data File : VW015268.D  
Acq On : 21 Apr 2020 17:38  
Operator : SY/VA  
Sample : L2283-07  
Misc : 5.80G/5ML/MSVOA W/SOIL  
ALS Vial : 20 Sample Multiplier: 1

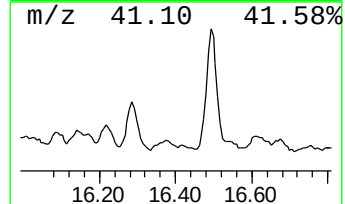
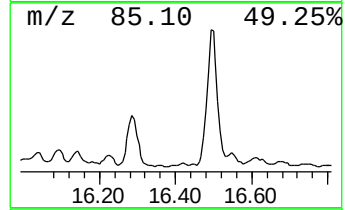
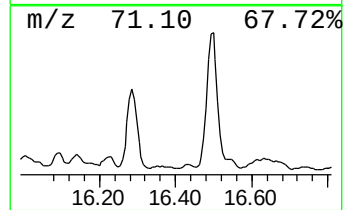
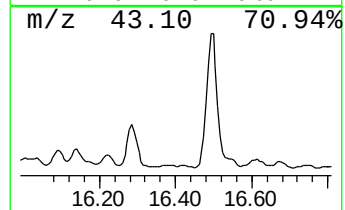
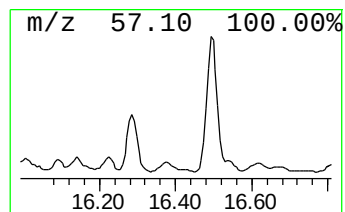
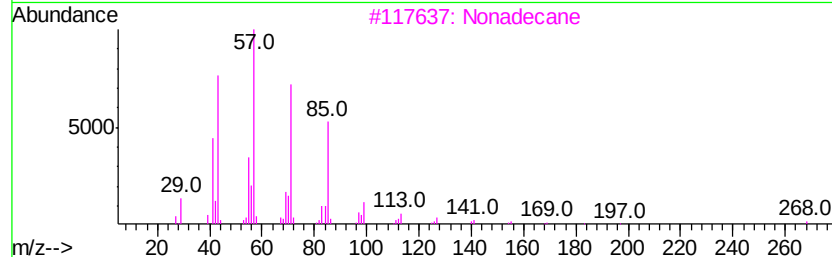
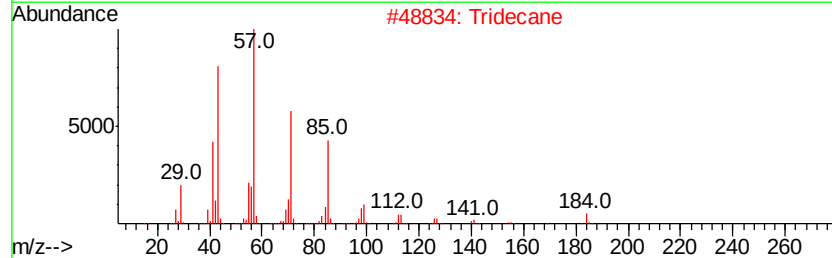
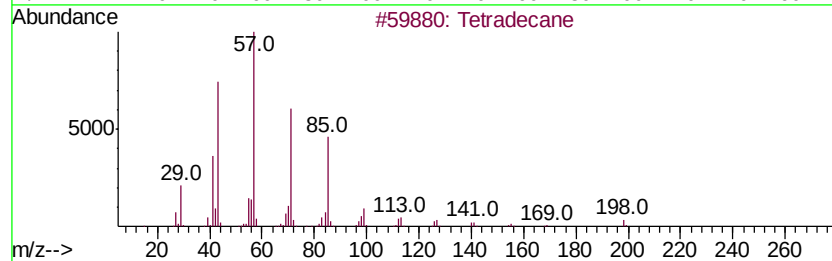
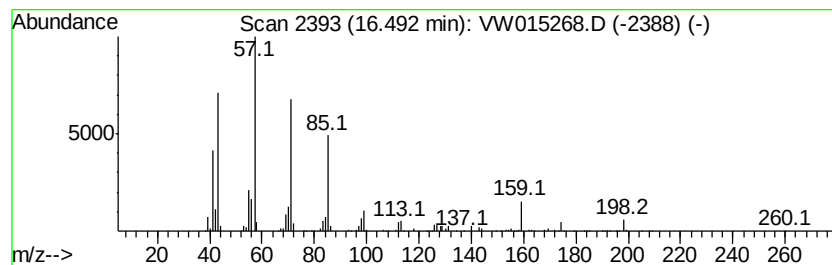
Instrument :  
MSVOA\_W  
ClientSampleId :  
WB-1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W042020S.M  
Quant Title : SW846 8260

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

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Peak Number 9 Tetradecane Concentration Rank 3

| R.T.    | EstConc    | Area                           | Relative to ISTD       | R.T.            |
|---------|------------|--------------------------------|------------------------|-----------------|
| 16.49   | 30.71 ug/l | 498334                         | 1,4-Dichlorobenzene-d4 | 13.56           |
| Hit# of | 5          | Tentative ID                   | MW MolForm             | CAS# Qual       |
| 1       |            | Tetradecane                    | 198 C14H30             | 000629-59-4 98  |
| 2       |            | Tridecane                      | 184 C13H28             | 000629-50-5 83  |
| 3       |            | Nonadecane                     | 268 C19H40             | 000629-92-5 72  |
| 4       |            | Nonane, 5-methyl-5-propyl-     | 184 C13H28             | 017312-75-3 59  |
| 5       |            | 1-Octadecanesulphonyl chloride | 352 C18H37ClO2S        | 1000342-70-4 58 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW042120\  
Data File : VW015268.D  
Acq On : 21 Apr 2020 17:38  
Operator : SY/VA  
Sample : L2283-07  
Misc : 5.80G/5ML/MSVOA W/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
WB-1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W042020S.M  
Quant Title : SW846 8260

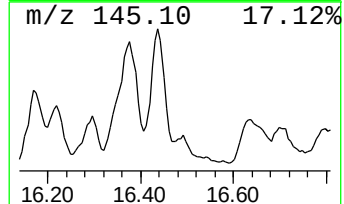
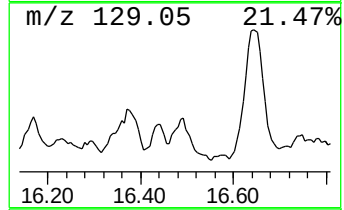
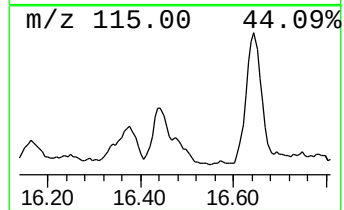
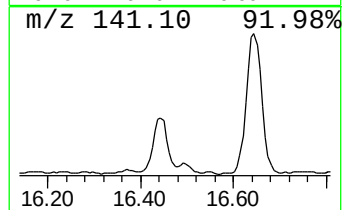
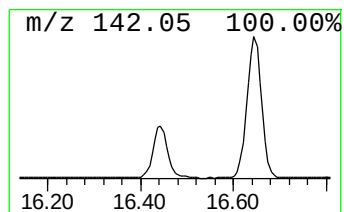
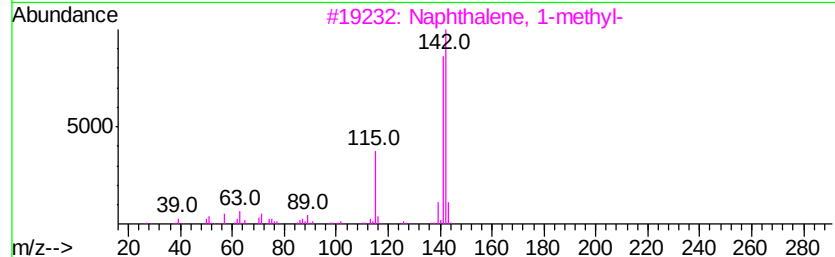
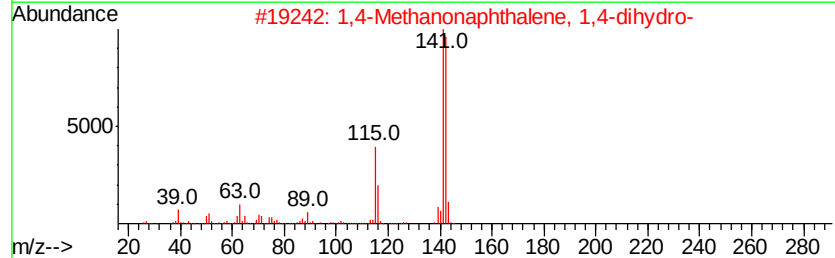
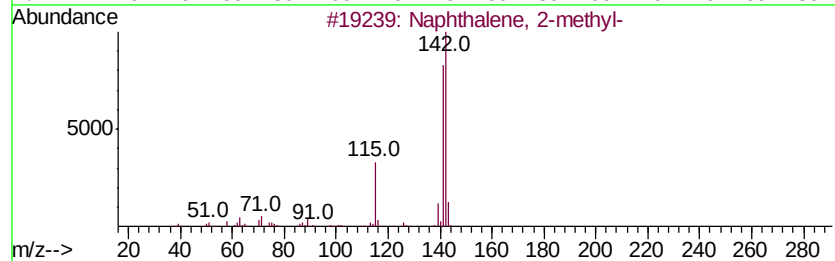
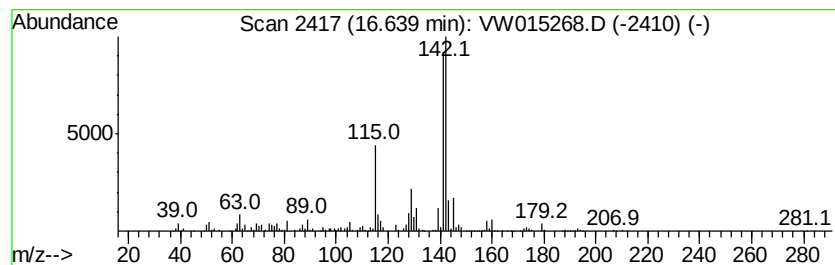
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 16.64 | 31.64 ug/l | 513526 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 93   |
| 2    |    | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 91   |
| 3    |    | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 91   |
| 4    |    | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 80   |
| 5    |    | Spiro(9-methylenetricyclo[6.2.1.... | 184 | C13H12O | 033929-47-4 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042120\  
Data File : VW015268.D  
Acq On : 21 Apr 2020 17:38  
Operator : SY/VA  
Sample : L2283-07  
Misc : 5.80G/5ML/MSVOA\_W/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
WB-1-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W042020S.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 |
| unknown14.20         | 14.20 | 19.2    | ug/l  | 312062   | 4                     | 13.56 | 811406 | 50.0 |
| unknown14.39         | 14.39 | 25.8    | ug/l  | 418336   | 4                     | 13.56 | 811406 | 50.0 |
| Dodecane             | 14.72 | 37.8    | ug/l  | 613411   | 4                     | 13.56 | 811406 | 50.0 |
| Benzene, 1,2,4,5-... | 14.79 | 23.2    | ug/l  | 376206   | 4                     | 13.56 | 811406 | 50.0 |
| Undecane, 2,5-dim... | 14.84 | 24.3    | ug/l  | 393698   | 4                     | 13.56 | 811406 | 50.0 |
| Benzene, 1-ethyl-... | 15.07 | 21.0    | ug/l  | 340913   | 4                     | 13.56 | 811406 | 50.0 |
| Tridecane            | 15.55 | 30.3    | ug/l  | 492062   | 4                     | 13.56 | 811406 | 50.0 |
| 1H-Indene, 2,3-di... | 15.66 | 18.9    | ug/l  | 306273   | 4                     | 13.56 | 811406 | 50.0 |
| Tetradecane          | 16.49 | 30.7    | ug/l  | 498334   | 4                     | 13.56 | 811406 | 50.0 |
| Naphthalene, 1-me... | 16.64 | 31.6    | ug/l  | 513526   | 4                     | 13.56 | 811406 | 50.0 |