

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011619\  
 Data File : VW008310.D  
 Acq On : 16 Jan 2019 16:02  
 Operator : SY/VA  
 Sample : K1012-07  
 Misc : 4.63G/5ML/MSVOA W/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EO-01-011519-A

## 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\82W010819S.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         | 1.959       | 5             | 9           | 21           | rVB3     | 7483           | 15539         | 1.55%           | 0.151%        |
| 2         | 2.355       | 68            | 74          | 82           | rBV      | 7930           | 19704         | 1.97%           | 0.192%        |
| 3         | 4.123       | 357           | 364         | 375          | rVB      | 12714          | 35032         | 3.50%           | 0.341%        |
| 4         | 4.909       | 484           | 493         | 511          | rVB2     | 17126          | 66833         | 6.67%           | 0.651%        |
| 5         | 7.147       | 850           | 860         | 870          | rBV2     | 33351          | 97510         | 9.73%           | 0.950%        |
| 6         | 7.885       | 973           | 981         | 985          | rBV2     | 78647          | 184665        | 18.43%          | 1.799%        |
| 7         | 7.945       | 985           | 991         | 1000         | rVB      | 141683         | 315720        | 31.52%          | 3.076%        |
| 8         | 8.256       | 1030          | 1042        | 1044         | rBV      | 19262          | 43425         | 4.33%           | 0.423%        |
| 9         | 8.305       | 1044          | 1050        | 1059         | rVB      | 77538          | 184554        | 18.42%          | 1.798%        |
| 10        | 8.842       | 1129          | 1138        | 1148         | rBV      | 214798         | 419955        | 41.92%          | 4.091%        |
| 11        | 9.335       | 1208          | 1219        | 1226         | rBV2     | 23925          | 56001         | 5.59%           | 0.546%        |
| 12        | 9.957       | 1316          | 1321        | 1324         | rBV2     | 18488          | 33214         | 3.32%           | 0.324%        |
| 13        | 10.098      | 1336          | 1344        | 1354         | rBV3     | 21757          | 56898         | 5.68%           | 0.554%        |
| 14        | 10.323      | 1374          | 1381        | 1387         | rBV      | 417650         | 782567        | 78.12%          | 7.624%        |
| 15        | 10.384      | 1387          | 1391        | 1398         | rVB      | 102441         | 196902        | 19.65%          | 1.918%        |
| 16        | 10.506      | 1404          | 1411        | 1417         | rVB2     | 90094          | 158959        | 15.87%          | 1.549%        |
| 17        | 10.664      | 1432          | 1437        | 1442         | rVV      | 65063          | 109503        | 10.93%          | 1.067%        |
| 18        | 10.762      | 1447          | 1453        | 1463         | rVV2     | 70566          | 135924        | 13.57%          | 1.324%        |
| 19        | 10.847      | 1463          | 1467        | 1473         | rVB2     | 12465          | 20122         | 2.01%           | 0.196%        |
| 20        | 10.939      | 1477          | 1482        | 1486         | rVB      | 26554          | 40991         | 4.09%           | 0.399%        |
| 21        | 11.036      | 1493          | 1498        | 1502         | rBV2     | 19209          | 40116         | 4.00%           | 0.391%        |
| 22        | 11.110      | 1505          | 1510        | 1513         | rVV2     | 52329          | 99261         | 9.91%           | 0.967%        |
| 23        | 11.146      | 1513          | 1516        | 1517         | rVV      | 60260          | 76606         | 7.65%           | 0.746%        |
| 24        | 11.177      | 1517          | 1521        | 1526         | rVV      | 135469         | 249598        | 24.92%          | 2.432%        |
| 25        | 11.231      | 1526          | 1530        | 1535         | rVV      | 93838          | 158911        | 15.86%          | 1.548%        |
| 26        | 11.286      | 1535          | 1539        | 1542         | rVB3     | 12135          | 16673         | 1.66%           | 0.162%        |
| 27        | 11.341      | 1542          | 1548        | 1552         | rBV2     | 38435          | 69811         | 6.97%           | 0.680%        |
| 28        | 11.427      | 1552          | 1562        | 1571         | rVB4     | 91191          | 320714        | 32.01%          | 3.125%        |
| 29        | 11.512      | 1571          | 1576        | 1581         | rBV      | 74339          | 113712        | 11.35%          | 1.108%        |
| 30        | 11.634      | 1590          | 1596        | 1606         | rVB      | 268514         | 463577        | 46.27%          | 4.516%        |
| 31        | 11.731      | 1606          | 1612        | 1615         | rBV2     | 85009          | 146239        | 14.60%          | 1.425%        |
| 32        | 11.768      | 1615          | 1618        | 1621         | rVV      | 41341          | 57149         | 5.70%           | 0.557%        |
| 33        | 11.841      | 1621          | 1630        | 1640         | rVV3     | 453001         | 1001792       | 100.00%         | 9.760%        |
| 34        | 11.920      | 1640          | 1643        | 1648         | rVB2     | 44503          | 65580         | 6.55%           | 0.639%        |

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 Misc : 4.63G/5ML/MSVOA W/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EO-01-011519-A

## 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\82W010819S.M  
 Title : SW846 8260

|    |        |      |      |      |       |        |        |        |        |
|----|--------|------|------|------|-------|--------|--------|--------|--------|
| 35 | 12.048 | 1659 | 1664 | 1671 | rBV7  | 16284  | 43985  | 4.39%  | 0.429% |
| 36 | 12.164 | 1673 | 1683 | 1691 | rBV2  | 177054 | 412273 | 41.15% | 4.017% |
| 37 | 12.256 | 1695 | 1698 | 1701 | rVB2  | 21194  | 27670  | 2.76%  | 0.270% |
| 38 | 12.298 | 1701 | 1705 | 1708 | rBV2  | 19472  | 31570  | 3.15%  | 0.308% |
| 39 | 12.341 | 1708 | 1712 | 1716 | rBV3  | 36105  | 63210  | 6.31%  | 0.616% |
| 40 | 12.384 | 1716 | 1719 | 1725 | rVV2  | 35820  | 56891  | 5.68%  | 0.554% |
| 41 | 12.463 | 1728 | 1732 | 1737 | rBV   | 23855  | 39626  | 3.96%  | 0.386% |
| 42 | 12.567 | 1747 | 1749 | 1752 | rVB2  | 17873  | 18860  | 1.88%  | 0.184% |
| 43 | 12.621 | 1752 | 1758 | 1767 | rVB2  | 224225 | 371772 | 37.11% | 3.622% |
| 44 | 12.804 | 1781 | 1788 | 1792 | rVB2  | 42170  | 90591  | 9.04%  | 0.883% |
| 45 | 12.871 | 1793 | 1799 | 1802 | rBV   | 115981 | 202386 | 20.20% | 1.972% |
| 46 | 12.902 | 1802 | 1804 | 1806 | rVV   | 61916  | 79265  | 7.91%  | 0.772% |
| 47 | 12.938 | 1806 | 1810 | 1817 | rVB2  | 154420 | 299369 | 29.88% | 2.917% |
| 48 | 13.109 | 1830 | 1838 | 1844 | rBV   | 69872  | 144896 | 14.46% | 1.412% |
| 49 | 13.170 | 1844 | 1848 | 1853 | rVB5  | 15722  | 23314  | 2.33%  | 0.227% |
| 50 | 13.255 | 1856 | 1862 | 1867 | rBV   | 247539 | 382392 | 38.17% | 3.725% |
| 51 | 13.451 | 1888 | 1894 | 1897 | rBV3  | 45408  | 84923  | 8.48%  | 0.827% |
| 52 | 13.493 | 1899 | 1901 | 1907 | rVB3  | 24324  | 35045  | 3.50%  | 0.341% |
| 53 | 13.560 | 1907 | 1912 | 1915 | rBV   | 203241 | 334940 | 33.43% | 3.263% |
| 54 | 13.725 | 1936 | 1939 | 1940 | rBV3  | 8025   | 10469  | 1.05%  | 0.102% |
| 55 | 13.755 | 1940 | 1944 | 1947 | rVV2  | 72206  | 108074 | 10.79% | 1.053% |
| 56 | 13.798 | 1947 | 1951 | 1960 | rVB4  | 55332  | 132454 | 13.22% | 1.290% |
| 57 | 13.877 | 1960 | 1964 | 1970 | rBV2  | 78474  | 123158 | 12.29% | 1.200% |
| 58 | 13.950 | 1971 | 1976 | 1981 | rVV2  | 40191  | 70537  | 7.04%  | 0.687% |
| 59 | 14.018 | 1983 | 1987 | 1989 | rVV   | 30843  | 51136  | 5.10%  | 0.498% |
| 60 | 14.042 | 1989 | 1991 | 1995 | rVV   | 34299  | 53957  | 5.39%  | 0.526% |
| 61 | 14.103 | 1995 | 2001 | 2008 | rVB3  | 48830  | 95683  | 9.55%  | 0.932% |
| 62 | 14.207 | 2013 | 2018 | 2023 | rVB3  | 48961  | 82793  | 8.26%  | 0.807% |
| 63 | 14.268 | 2024 | 2028 | 2035 | rVB8  | 8862   | 20677  | 2.06%  | 0.201% |
| 64 | 14.347 | 2035 | 2041 | 2044 | rBV3  | 23712  | 45322  | 4.52%  | 0.442% |
| 65 | 14.389 | 2045 | 2048 | 2051 | rVV5  | 14682  | 23005  | 2.30%  | 0.224% |
| 66 | 14.426 | 2051 | 2054 | 2057 | rVV3  | 26142  | 36796  | 3.67%  | 0.358% |
| 67 | 14.463 | 2057 | 2060 | 2064 | rVB   | 30128  | 41930  | 4.19%  | 0.409% |
| 68 | 14.505 | 2064 | 2067 | 2071 | rBV2  | 15729  | 22391  | 2.24%  | 0.218% |
| 69 | 14.548 | 2071 | 2074 | 2085 | rVB10 | 13081  | 32970  | 3.29%  | 0.321% |
| 70 | 14.645 | 2087 | 2090 | 2094 | rVB2  | 14143  | 21083  | 2.10%  | 0.205% |
| 71 | 14.694 | 2094 | 2098 | 2101 | rBV2  | 18820  | 34894  | 3.48%  | 0.340% |

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 ClientSampleId :  
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## 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\82W010819S.M  
 Title : SW846 8260

|    |        |      |      |      |      |       |        |        |        |
|----|--------|------|------|------|------|-------|--------|--------|--------|
| 72 | 14.731 | 2101 | 2104 | 2110 | rVB2 | 44634 | 62895  | 6.28%  | 0.613% |
| 73 | 14.804 | 2110 | 2116 | 2124 | rBV4 | 50264 | 129736 | 12.95% | 1.264% |
| 74 | 14.963 | 2137 | 2142 | 2150 | rVB  | 54319 | 87417  | 8.73%  | 0.852% |
| 75 | 15.072 | 2156 | 2160 | 2164 | rBV4 | 13545 | 21408  | 2.14%  | 0.209% |
| 76 | 15.182 | 2173 | 2178 | 2187 | rVB4 | 17487 | 39948  | 3.99%  | 0.389% |
| 77 | 15.340 | 2197 | 2204 | 2205 | rBV7 | 8810  | 17514  | 1.75%  | 0.171% |
| 78 | 15.371 | 2205 | 2209 | 2214 | rVB  | 31062 | 52037  | 5.19%  | 0.507% |
| 79 | 15.426 | 2215 | 2218 | 2223 | rBV4 | 10303 | 14495  | 1.45%  | 0.141% |
| 80 | 15.560 | 2237 | 2240 | 2246 | rVB2 | 17519 | 28492  | 2.84%  | 0.278% |
| 81 | 15.670 | 2250 | 2258 | 2264 | rBV9 | 8250  | 23502  | 2.35%  | 0.229% |
| 82 | 15.871 | 2287 | 2291 | 2298 | rVB  | 22991 | 42794  | 4.27%  | 0.417% |
| 83 | 16.188 | 2333 | 2343 | 2349 | rBV7 | 13809 | 35170  | 3.51%  | 0.343% |
| 84 | 16.389 | 2369 | 2376 | 2380 | rBV7 | 7196  | 15478  | 1.55%  | 0.151% |
| 85 | 16.450 | 2380 | 2386 | 2393 | rVV2 | 16607 | 42589  | 4.25%  | 0.415% |
| 86 | 16.505 | 2393 | 2395 | 2400 | rVB4 | 8219  | 11410  | 1.14%  | 0.111% |
| 87 | 16.657 | 2411 | 2420 | 2427 | rBV4 | 13223 | 35310  | 3.52%  | 0.344% |

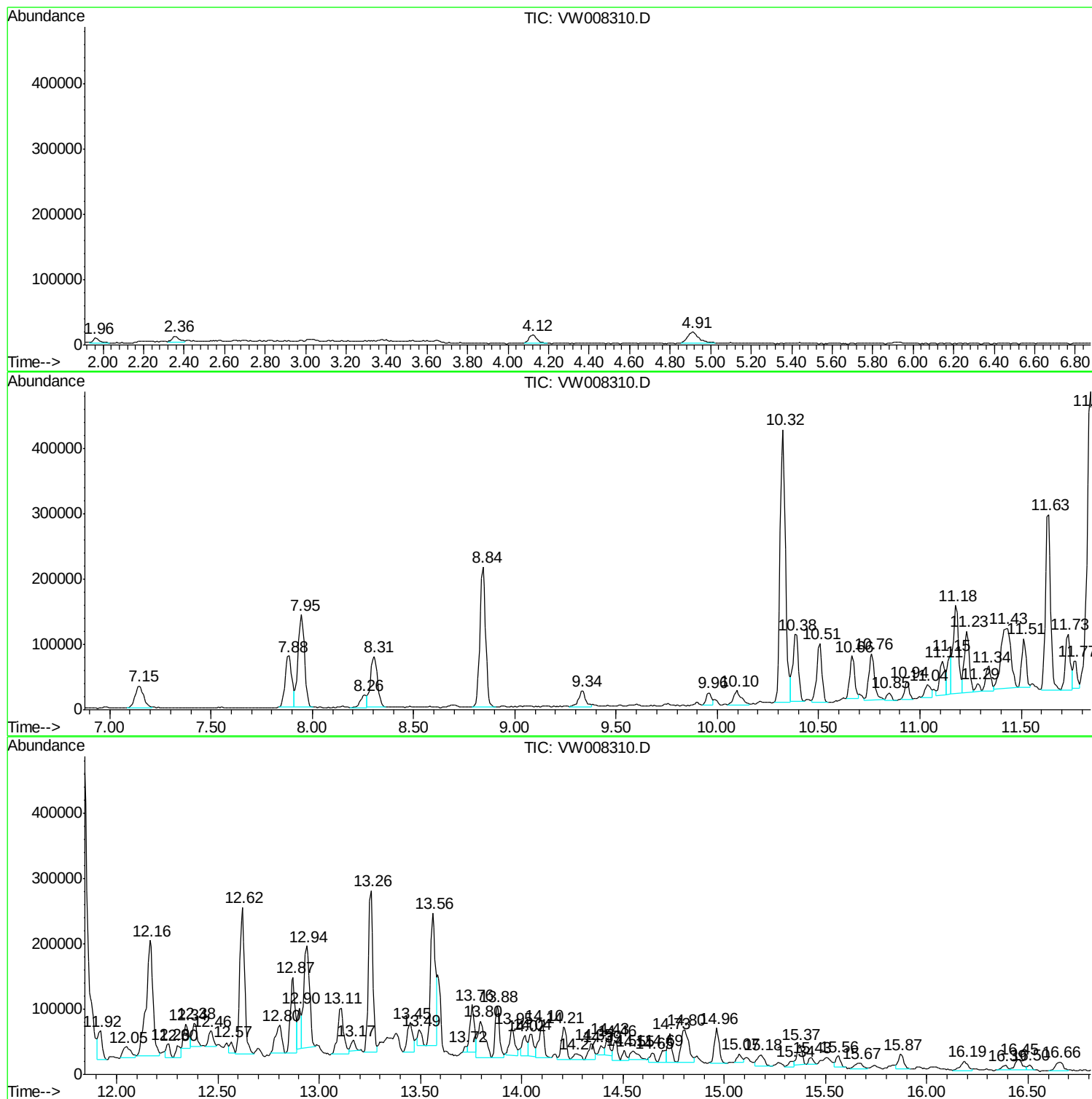
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011619\  
Data File : VW008310.D  
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Misc : 4.63G/5ML/MSVOA W/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EO-01-011519-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W010819S.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011619\  
Data File : VW008310.D  
Acq On : 16 Jan 2019 16:02  
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Sample : K1012-07  
Misc : 4.63G/5ML/MSVOA W/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EO-01-011519-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W010819S.M  
Quant Title : SW846 8260

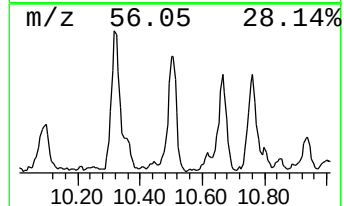
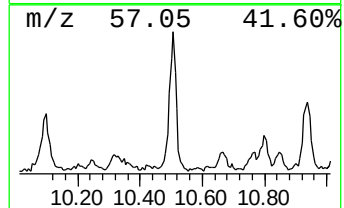
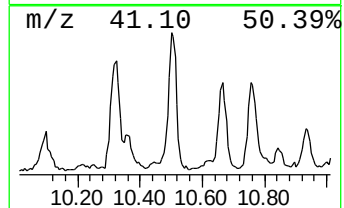
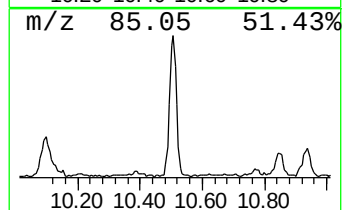
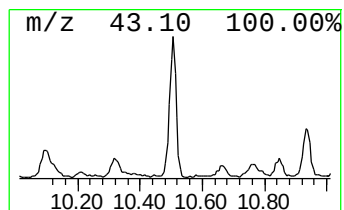
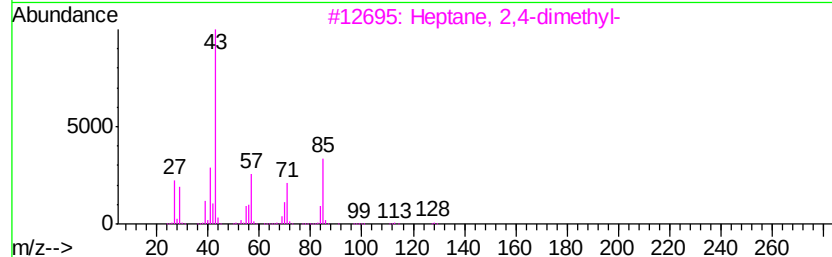
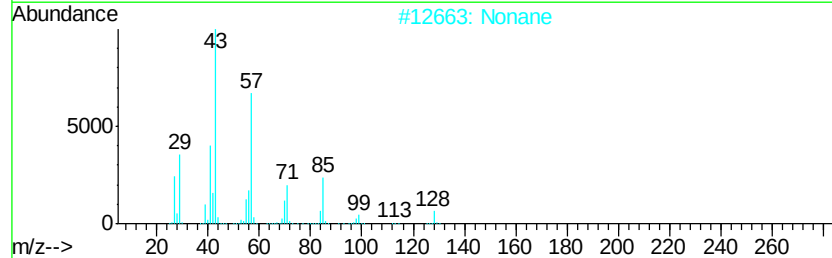
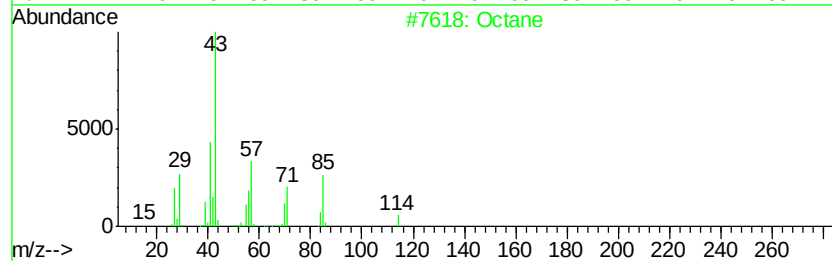
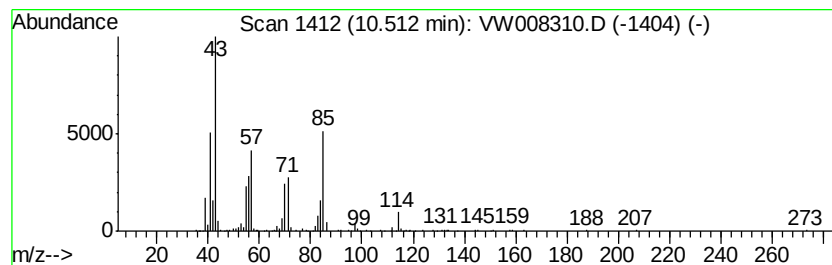
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 10.51 | 17.14 ug/l | 158959 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Octane                  | 114 | C8H18   | 000111-65-9 | 91   |
| 2    |    | Nonane                  | 128 | C9H20   | 000111-84-2 | 78   |
| 3    |    | Heptane, 2,4-dimethyl-  | 128 | C9H20   | 002213-23-2 | 72   |
| 4    |    | Heptane, 2,3-dimethyl-  | 128 | C9H20   | 003074-71-3 | 59   |
| 5    |    | Undecane, 2,4-dimethyl- | 184 | C13H28  | 017312-80-0 | 50   |



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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EO-01-011519-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W010819S.M  
Quant Title : SW846 8260

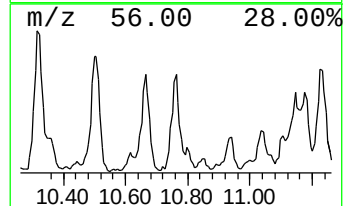
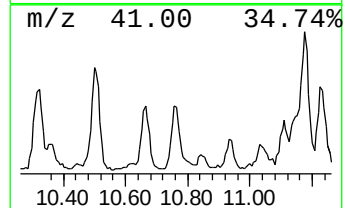
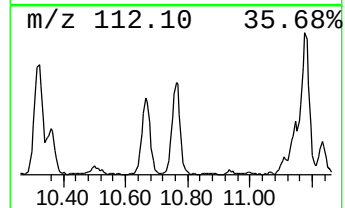
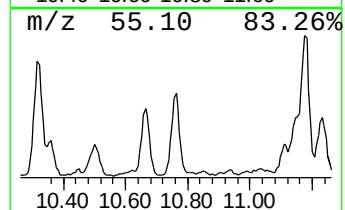
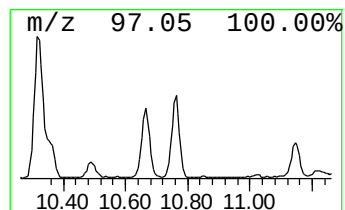
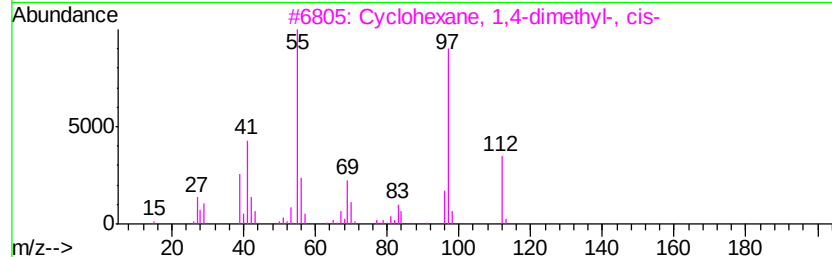
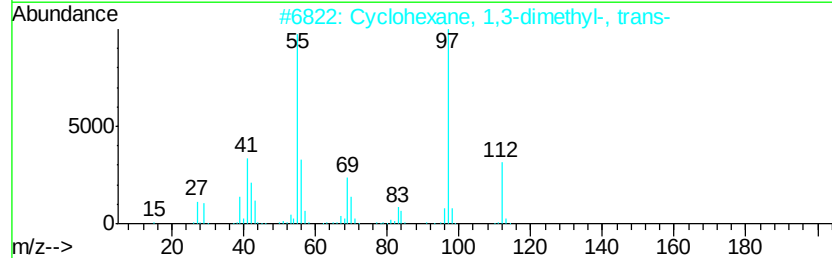
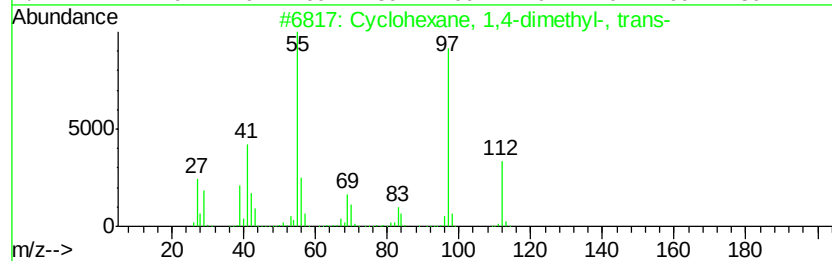
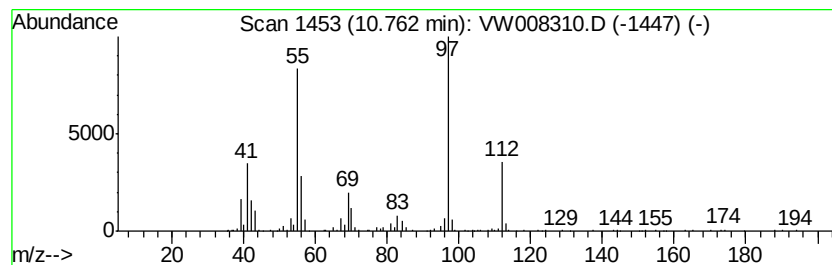
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Cyclohexane, 1,4-dimethyl-,... Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 10.76 | 14.66 ug/l | 135924 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1,4-dimethyl-, trans- | 112 | C8H16   | 002207-04-7 | 97   |
| 2    |    | Cyclohexane, 1,3-dimethyl-, trans- | 112 | C8H16   | 002207-03-6 | 95   |
| 3    |    | Cyclohexane, 1,4-dimethyl-, cis-   | 112 | C8H16   | 000624-29-3 | 94   |
| 4    |    | Cyclohexane, 1,4-dimethyl-         | 112 | C8H16   | 000589-90-2 | 91   |
| 5    |    | Cyclohexane, 1,3-dimethyl-, cis-   | 112 | C8H16   | 000638-04-0 | 91   |



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ALS Vial : 12 Sample Multiplier: 1

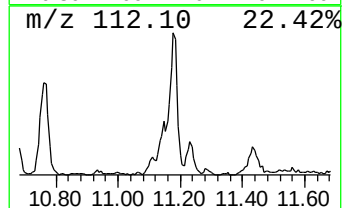
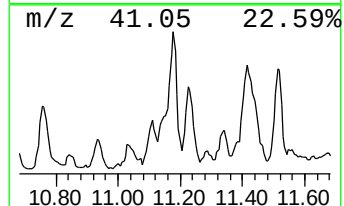
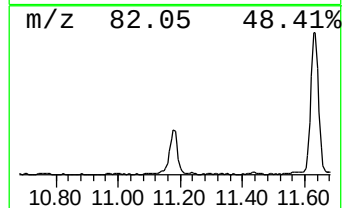
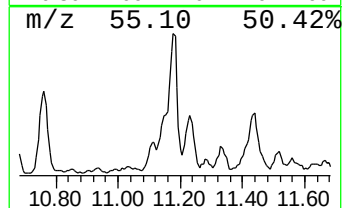
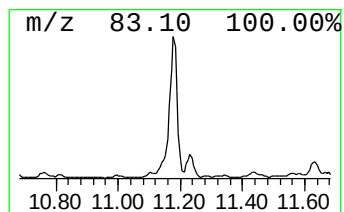
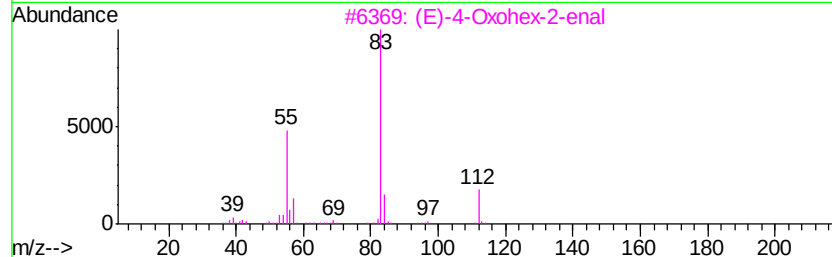
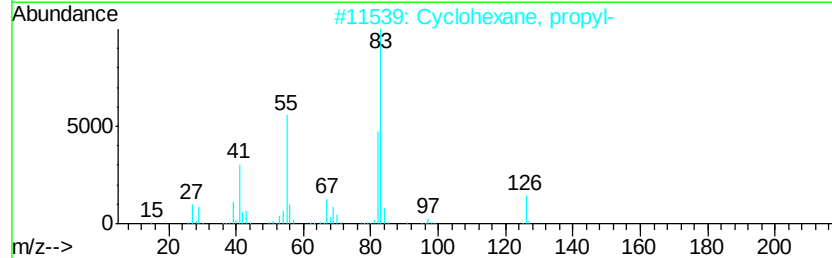
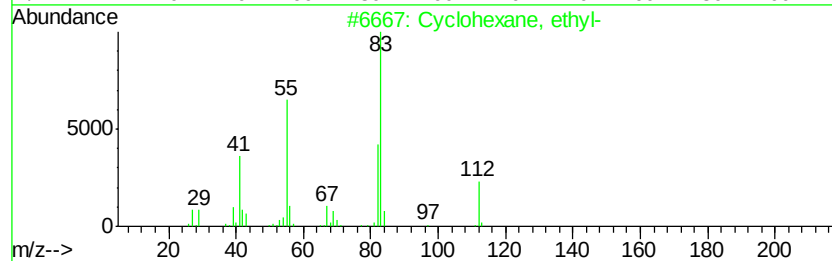
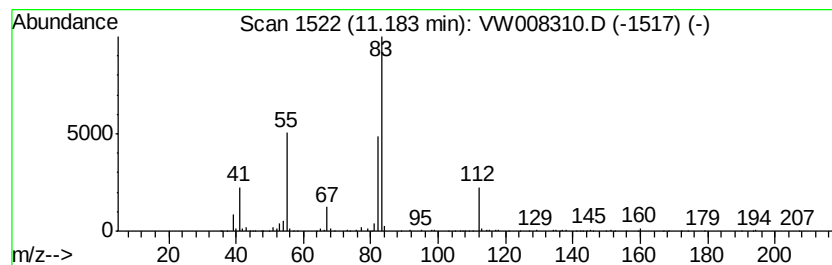
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MSVOA\_W  
ClientSampleId :  
EO-01-011519-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W010819S.M  
Quant Title : SW846 8260

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

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Peak Number 4 Cyclohexane, ethyl- Concentration Rank 3

| R.T.    | EstConc    | Area                 | Relative to ISTD | R.T.            |
|---------|------------|----------------------|------------------|-----------------|
| 11.18   | 26.92 ug/l | 249598               | Chlorobenzene-d5 | 11.63           |
| Hit# of | 5          | Tentative ID         | MW MolForm       | CAS# Qual       |
| 1       |            | Cyclohexane, ethyl-  | 112 C8H16        | 001678-91-7 78  |
| 2       |            | Cyclohexane, propyl- | 126 C9H18        | 001678-92-8 64  |
| 3       |            | (E)-4-Oxohex-2-enal  | 112 C6H8O2       | 1000374-04-2 50 |
| 4       |            | Cyclohexane, octyl-  | 196 C14H28       | 001795-15-9 50  |
| 5       |            | Cyclohexane, bromo-  | 162 C6H11Br      | 000108-85-0 47  |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011619\  
Data File : VW008310.D  
Acq On : 16 Jan 2019 16:02  
Operator : SY/VA  
Sample : K1012-07  
Misc : 4.63G/5ML/MSVOA W/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EO-01-011519-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W010819S.M  
Quant Title : SW846 8260

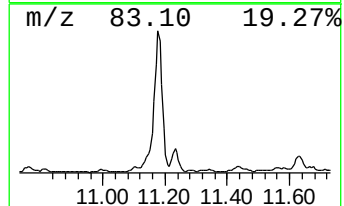
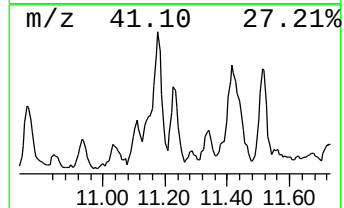
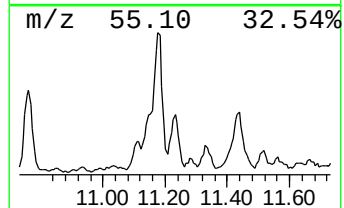
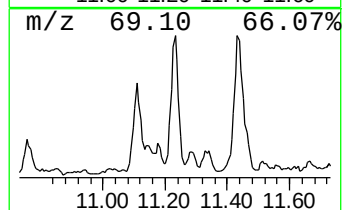
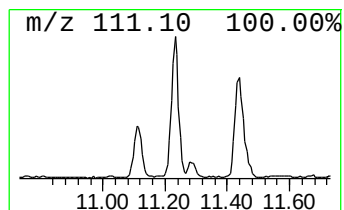
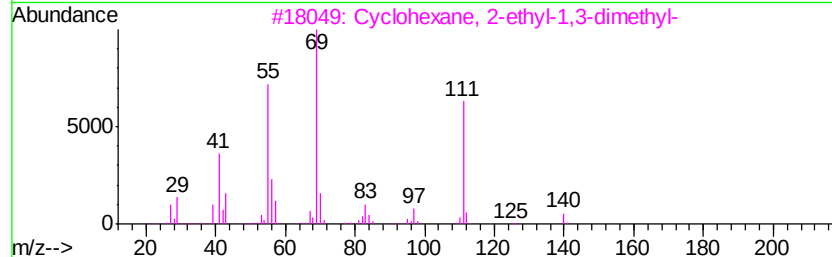
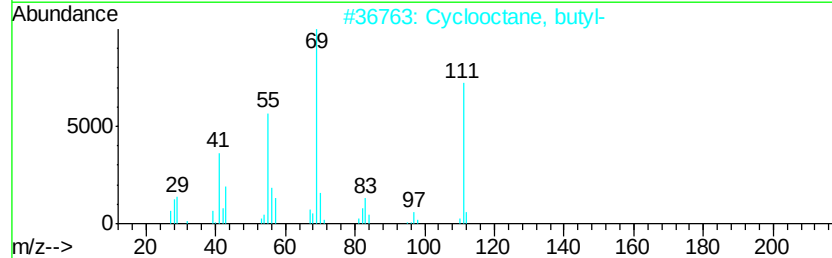
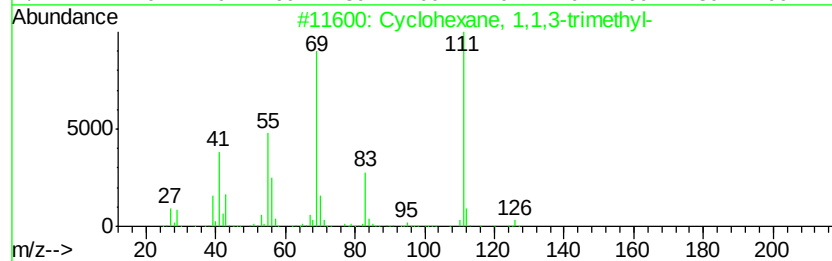
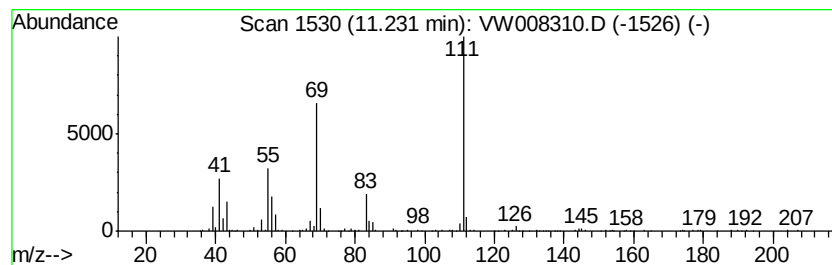
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 11.23 | 17.14 ug/l | 158911 | Chlorobenzene-d5 | 11.63 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, 1,1,3-trimethyl-        | 126 | C9H18   | 003073-66-3 | 91   |
| 2    |    | Cyclooctane, butyl-                  | 168 | C12H24  | 016538-93-5 | 72   |
| 3    |    | Cyclohexane, 2-ethyl-1,3-dimethyl-   | 140 | C10H20  | 007045-67-2 | 72   |
| 4    |    | Cyclohexane, 1,3,5-trimethyl-, (...) | 126 | C9H18   | 001795-26-2 | 64   |
| 5    |    | Cyclohexane, 1,4-dimethyl-2-octa...  | 364 | C26H52  | 055282-02-5 | 64   |





Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011619\  
Data File : VW008310.D  
Acq On : 16 Jan 2019 16:02  
Operator : SY/VA  
Sample : K1012-07  
Misc : 4.63G/5ML/MSVOA W/SOIL  
ALS Vial : 12 Sample Multiplier: 1

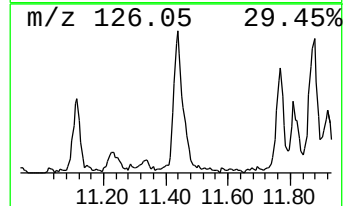
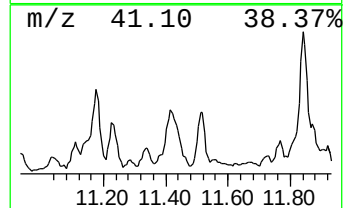
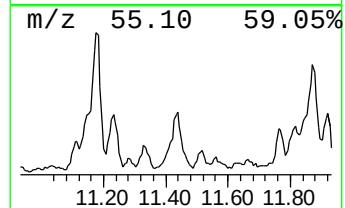
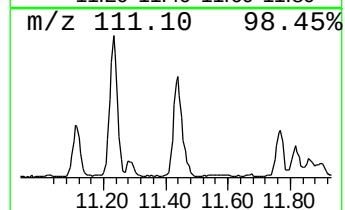
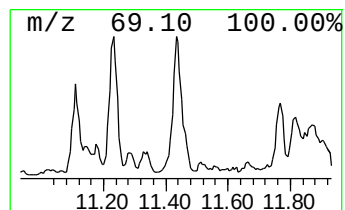
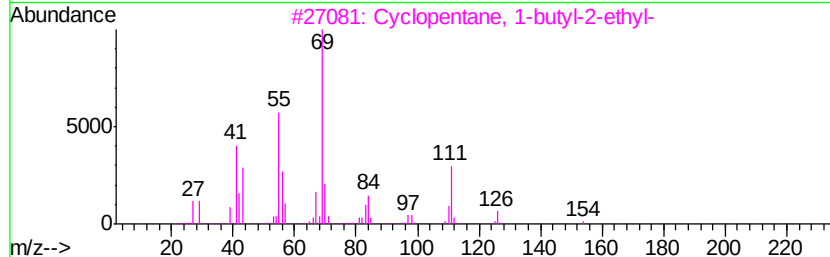
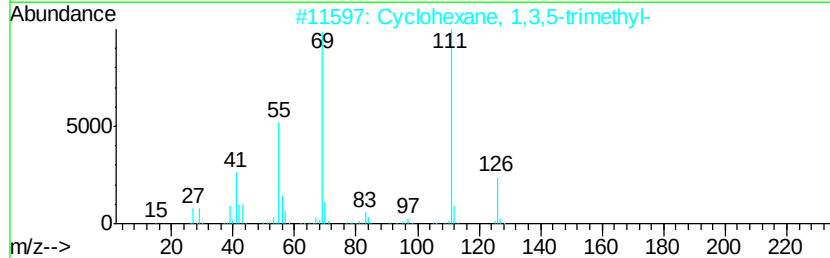
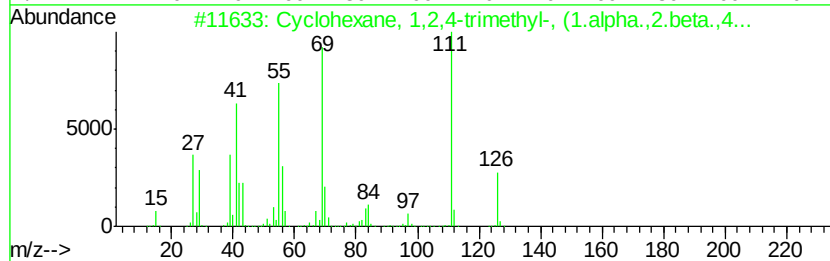
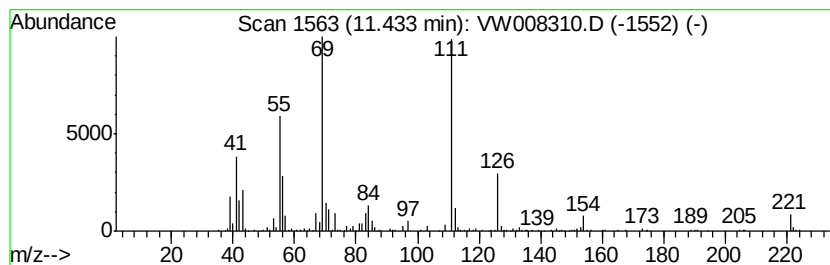
Instrument :  
MSVOA\_W  
ClientSampleId :  
EO-01-011519-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W010819S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 6 Cyclohexane, 1,2,4-trimethy... Concentration Rank 1

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.    |             |      |
|---------|------------|-------------------------------------|------------------|---------|-------------|------|
| 11.43   | 34.59 ug/l | 320714                              | Chlorobenzene-d5 | 11.63   |             |      |
| Hit# of | 5          | Tentative ID                        | MW               | MolForm | CAS#        | Qual |
| 1       |            | Cyclohexane, 1,2,4-trimethyl-, (... | 126              | C9H18   | 007667-60-9 | 81   |
| 2       |            | Cyclohexane, 1,3,5-trimethyl-       | 126              | C9H18   | 001839-63-0 | 70   |
| 3       |            | Cyclopentane, 1-butyl-2-ethyl-      | 154              | C11H22  | 072993-32-9 | 64   |
| 4       |            | Cyclohexane, 1,3,5-trimethyl-, (... | 126              | C9H18   | 001795-26-2 | 64   |
| 5       |            | Cyclohexane, 1,3,5-trimethyl-, (... | 126              | C9H18   | 001795-27-3 | 58   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011619\  
Data File : VW008310.D  
Acq On : 16 Jan 2019 16:02  
Operator : SY/VA  
Sample : K1012-07  
Misc : 4.63G/5ML/MSVOA W/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EO-01-011519-A

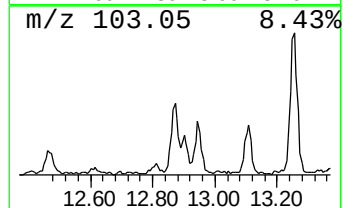
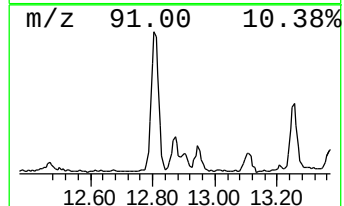
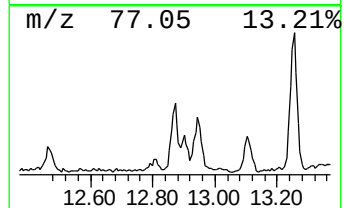
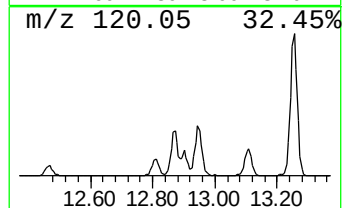
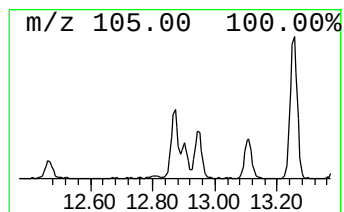
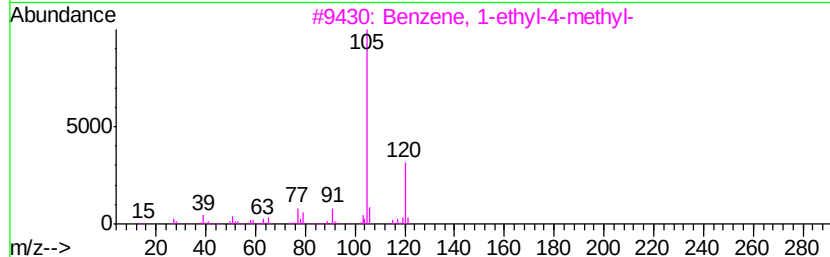
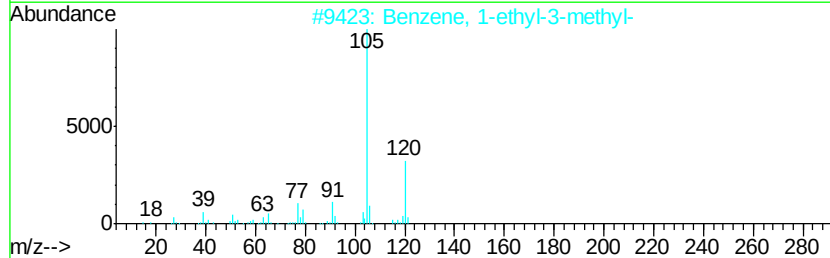
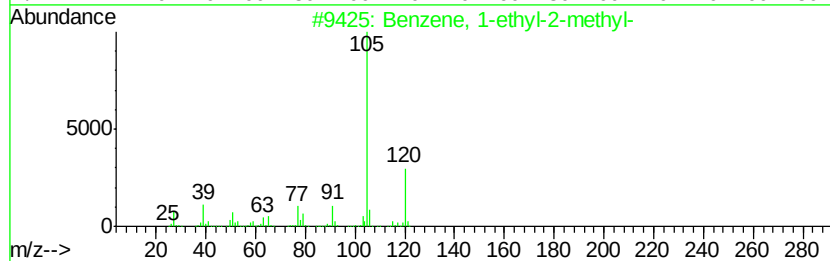
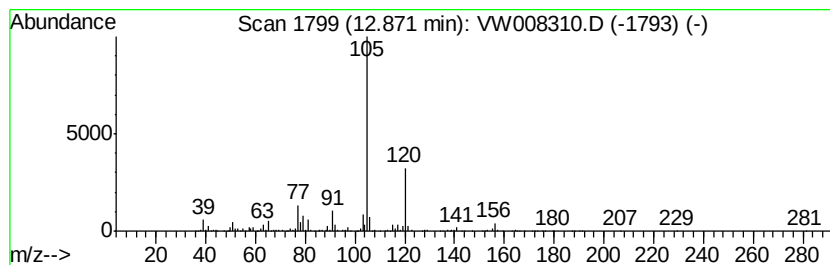
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Quant Title : SW846 8260

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

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

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 12.87 | 30.21 ug/l | 202386 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 94   |
| 2    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 93   |
| 3    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 87   |
| 4    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 87   |
| 5    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 87   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011619\  
Data File : VW008310.D  
Acq On : 16 Jan 2019 16:02  
Operator : SY/VA  
Sample : K1012-07  
Misc : 4.63G/5ML/MSVOA W/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EO-01-011519-A

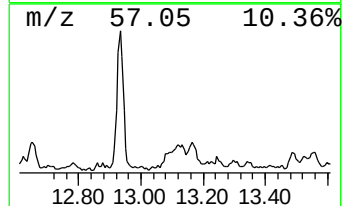
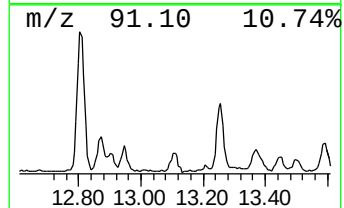
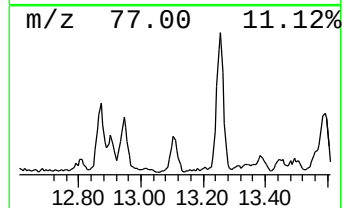
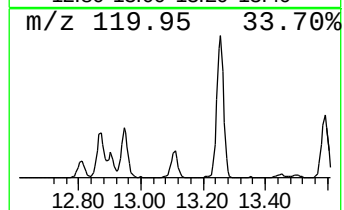
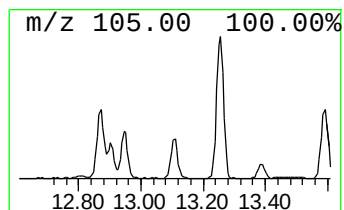
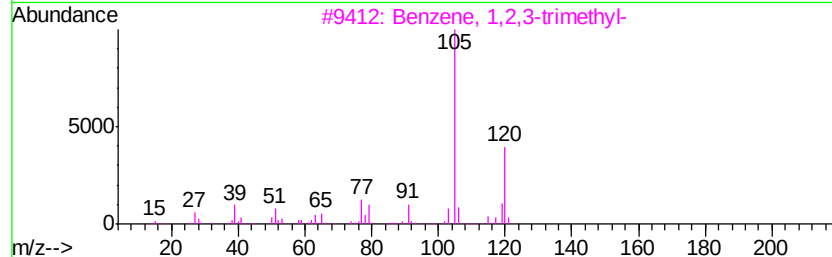
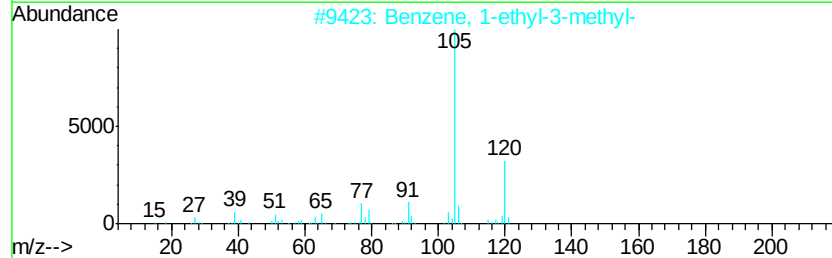
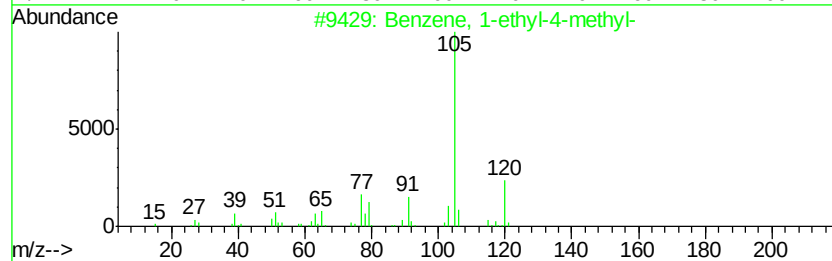
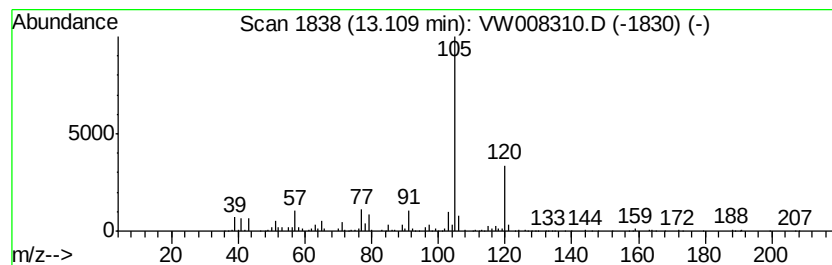
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Quant Title : SW846 8260

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

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Peak Number 8 Benzene, 1-ethyl-4-methyl- Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 13.11 | 21.63 ug/l | 144896 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 93   |
| 2    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 76   |
| 3    |    | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 76   |
| 4    |    | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 76   |
| 5    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 76   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011619\  
Data File : VW008310.D  
Acq On : 16 Jan 2019 16:02  
Operator : SY/VA  
Sample : K1012-07  
Misc : 4.63G/5ML/MSVOA W/SOIL  
ALS Vial : 12 Sample Multiplier: 1

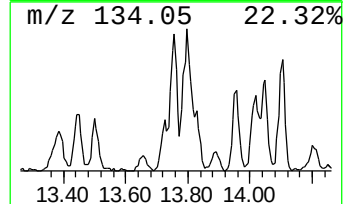
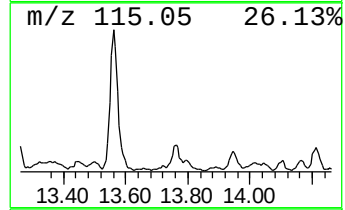
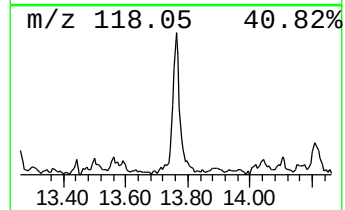
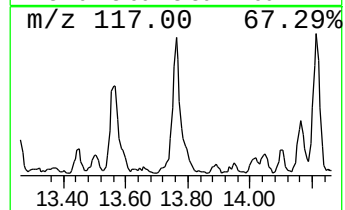
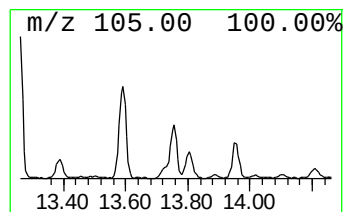
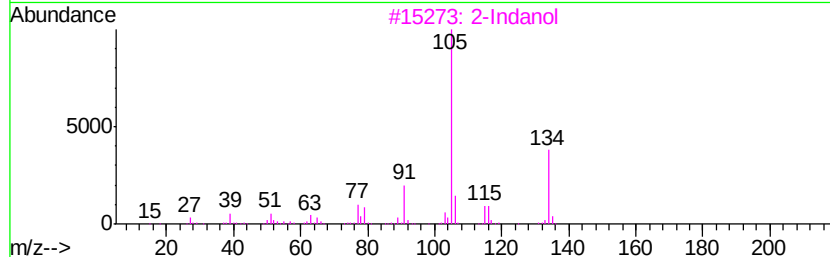
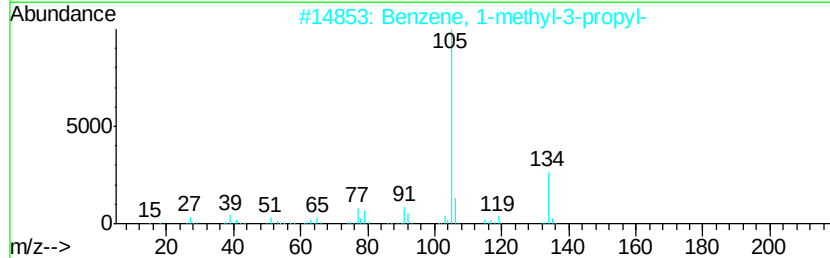
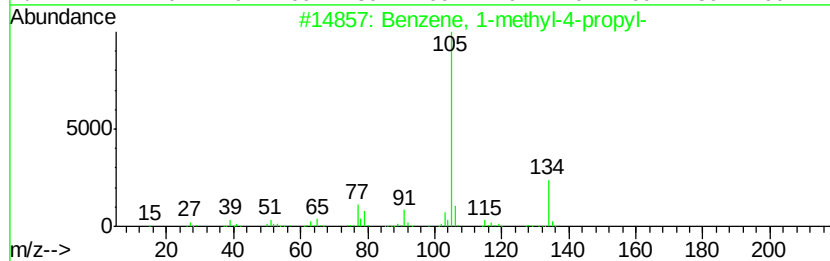
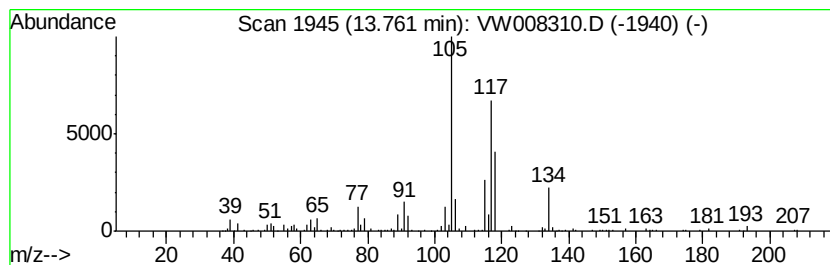
Instrument :  
MSVOA\_W  
ClientSampleId :  
EO-01-011519-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W010819S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 9 Benzene, 1-methyl-4-propyl- Concentration Rank 8

| R.T.    | EstConc                     | Area         | Relative to ISTD       | R.T.        |      |      |
|---------|-----------------------------|--------------|------------------------|-------------|------|------|
| 13.76   | 16.13 ug/l                  | 108074       | 1,4-Dichlorobenzene-d4 | 13.56       |      |      |
| Hit# of | 5                           | Tentative ID | MW                     | MolForm     | CAS# | Qual |
| 1       | Benzene, 1-methyl-4-propyl- | 134          | C10H14                 | 001074-55-1 | 55   |      |
| 2       | Benzene, 1-methyl-3-propyl- | 134          | C10H14                 | 001074-43-7 | 55   |      |
| 3       | 2-Indanol                   | 134          | C9H10O                 | 004254-29-9 | 49   |      |
| 4       | Benzene, (1-methylpropyl)-  | 134          | C10H14                 | 000135-98-8 | 49   |      |
| 5       | Benzene, 1-methyl-2-propyl- | 134          | C10H14                 | 001074-17-5 | 46   |      |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011619\  
Data File : VW008310.D  
Acq On : 16 Jan 2019 16:02  
Operator : SY/VA  
Sample : K1012-07  
Misc : 4.63G/5ML/MSVOA W/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EO-01-011519-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W010819S.M  
Quant Title : SW846 8260

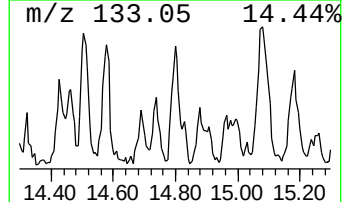
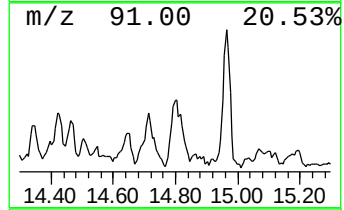
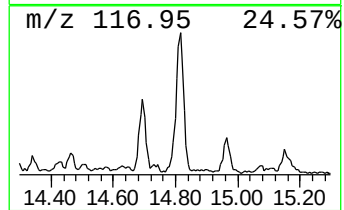
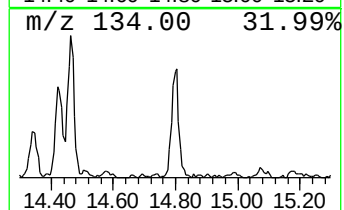
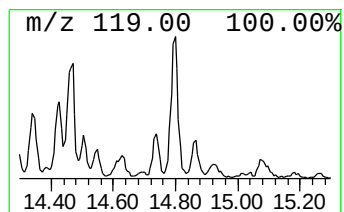
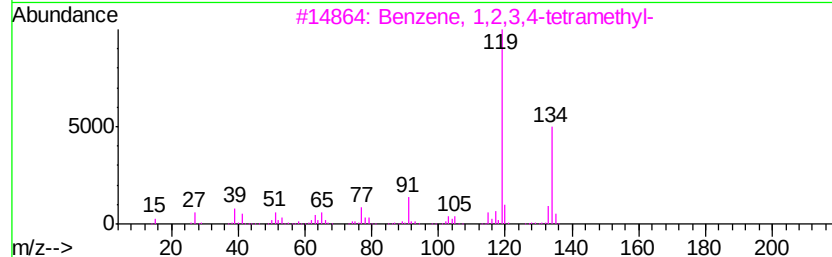
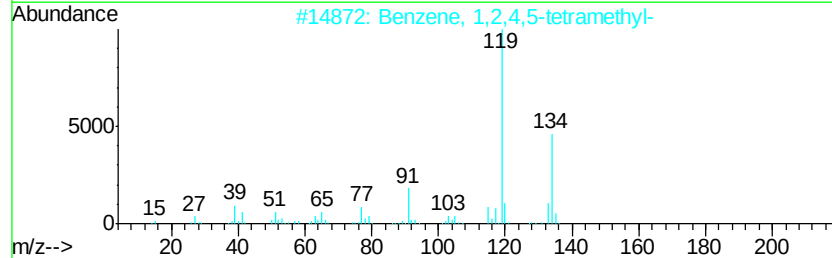
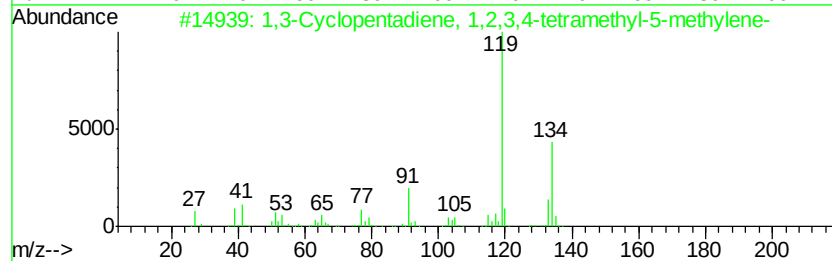
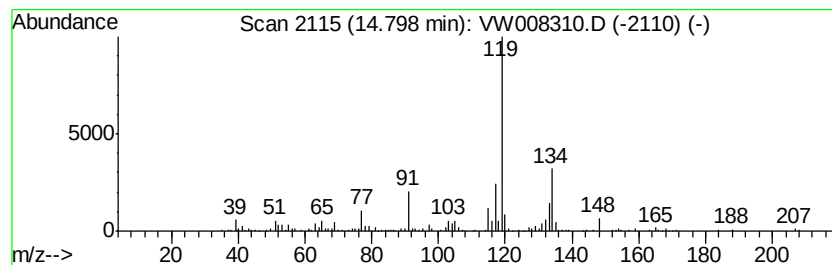
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.80 | 19.37 ug/l | 129736 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14  | 076089-59-3 | 64   |
| 2    |    | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 58   |
| 3    |    | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 58   |
| 4    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 52   |
| 5    |    | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 52   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW011619\  
Data File : VW008310.D  
Acq On : 16 Jan 2019 16:02  
Operator : SY/VA  
Sample : K1012-07  
Misc : 4.63G/5ML/MSVOA\_W/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EO-01-011519-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W010819S.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 |
| Octane               | 10.51 | 17.1    | ug/l  | 158959   | 3                     | 11.63 | 463577 | 50.0 |
| Cyclohexane, 1,4-... | 10.76 | 14.7    | ug/l  | 135924   | 3                     | 11.63 | 463577 | 50.0 |
| Cyclohexane, ethyl-  | 11.18 | 26.9    | ug/l  | 249598   | 3                     | 11.63 | 463577 | 50.0 |
| Cyclohexane, 1,1,... | 11.23 | 17.1    | ug/l  | 158911   | 3                     | 11.63 | 463577 | 50.0 |
| Cyclohexane, 1,2,... | 11.43 | 34.6    | ug/l  | 320714   | 3                     | 11.63 | 463577 | 50.0 |
| Benzene, 1-ethyl-... | 12.87 | 30.2    | ug/l  | 202386   | 4                     | 13.56 | 334940 | 50.0 |
| Benzene, 1-ethyl-... | 13.11 | 21.6    | ug/l  | 144896   | 4                     | 13.56 | 334940 | 50.0 |
| Benzene, 1-methyl... | 13.76 | 16.1    | ug/l  | 108074   | 4                     | 13.56 | 334940 | 50.0 |
| 1,3-Cyclopentadie... | 14.80 | 19.4    | ug/l  | 129736   | 4                     | 13.56 | 334940 | 50.0 |