

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\  
 Data File : VW008843.D  
 Acq On : 26 Feb 2019 20:51  
 Operator : SY/VA  
 Sample : K1594-39  
 Misc : 5.54G/5ML/MSVOA W/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 B-9(4-5)

## 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\82W022119S.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           | 14           | rBV2     | 27309          | 37608         | 1.16%           | 0.140%        |
| 2         | 4.135       | 354           | 366         | 378          | rBV      | 55937          | 161967        | 4.99%           | 0.601%        |
| 3         | 4.909       | 481           | 493         | 506          | rBV6     | 15856          | 63034         | 1.94%           | 0.234%        |
| 4         | 5.135       | 517           | 530         | 537          | rBV      | 11582          | 44059         | 1.36%           | 0.164%        |
| 5         | 5.940       | 654           | 662         | 672          | rVB5     | 15459          | 44184         | 1.36%           | 0.164%        |
| 6         | 7.153       | 848           | 861         | 872          | rBV      | 119224         | 371178        | 11.44%          | 1.378%        |
| 7         | 7.884       | 971           | 981         | 986          | rBV      | 434785         | 1050904       | 32.40%          | 3.901%        |
| 8         | 7.951       | 986           | 992         | 1000         | rVV      | 830828         | 1859871       | 57.34%          | 6.904%        |
| 9         | 8.031       | 1000          | 1005        | 1013         | rVB3     | 18225          | 47578         | 1.47%           | 0.177%        |
| 10        | 8.159       | 1018          | 1026        | 1034         | rBV3     | 25254          | 72070         | 2.22%           | 0.268%        |
| 11        | 8.305       | 1041          | 1050        | 1062         | rVB      | 445921         | 984098        | 30.34%          | 3.653%        |
| 12        | 8.476       | 1064          | 1078        | 1090         | rBV      | 62932          | 183828        | 5.67%           | 0.682%        |
| 13        | 8.695       | 1107          | 1114        | 1124         | rBV3     | 21109          | 55699         | 1.72%           | 0.207%        |
| 14        | 8.841       | 1129          | 1138        | 1148         | rBV      | 1216796        | 2382588       | 73.46%          | 8.845%        |
| 15        | 9.329       | 1207          | 1218        | 1223         | rBV2     | 45512          | 122418        | 3.77%           | 0.454%        |
| 16        | 9.390       | 1223          | 1228        | 1232         | rVB3     | 17627          | 35579         | 1.10%           | 0.132%        |
| 17        | 9.756       | 1282          | 1288        | 1298         | rVB2     | 64140          | 136177        | 4.20%           | 0.506%        |
| 18        | 9.896       | 1300          | 1311        | 1317         | rBV2     | 89725          | 199524        | 6.15%           | 0.741%        |
| 19        | 9.957       | 1317          | 1321        | 1326         | rBV2     | 37213          | 70014         | 2.16%           | 0.260%        |
| 20        | 10.097      | 1335          | 1344        | 1355         | rBV2     | 53583          | 130614        | 4.03%           | 0.485%        |
| 21        | 10.250      | 1365          | 1369        | 1374         | rVB2     | 46001          | 78433         | 2.42%           | 0.291%        |
| 22        | 10.323      | 1374          | 1381        | 1389         | rBV      | 1855446        | 3243561       | 100.00%         | 12.041%       |
| 23        | 10.506      | 1404          | 1411        | 1418         | rVB4     | 34155          | 72732         | 2.24%           | 0.270%        |
| 24        | 10.713      | 1438          | 1445        | 1446         | rBV      | 37799          | 63879         | 1.97%           | 0.237%        |
| 25        | 10.762      | 1451          | 1453        | 1463         | rVB3     | 55760          | 138761        | 4.28%           | 0.515%        |
| 26        | 10.939      | 1476          | 1482        | 1486         | rBV4     | 22949          | 43073         | 1.33%           | 0.160%        |
| 27        | 11.036      | 1488          | 1498        | 1501         | rBV2     | 44031          | 99289         | 3.06%           | 0.369%        |
| 28        | 11.408      | 1551          | 1559        | 1570         | rVV2     | 96686          | 239960        | 7.40%           | 0.891%        |
| 29        | 11.512      | 1571          | 1576        | 1585         | rVB      | 80605          | 140212        | 4.32%           | 0.520%        |
| 30        | 11.634      | 1588          | 1596        | 1603         | rBV      | 1590254        | 2696429       | 83.13%          | 10.010%       |
| 31        | 11.841      | 1621          | 1630        | 1633         | rBV4     | 34409          | 77146         | 2.38%           | 0.286%        |
| 32        | 12.140      | 1673          | 1679        | 1685         | rBV4     | 35055          | 71389         | 2.20%           | 0.265%        |
| 33        | 12.255      | 1693          | 1698        | 1701         | rVB      | 35921          | 52468         | 1.62%           | 0.195%        |
| 34        | 12.335      | 1706          | 1711        | 1714         | rBV5     | 29511          | 60905         | 1.88%           | 0.226%        |

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 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 B-9(4-5)

## 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\82W022119S.M  
 Title : SW846 8260

|    |        |      |      |      |       |         |         |        |        |
|----|--------|------|------|------|-------|---------|---------|--------|--------|
| 35 | 12.426 | 1722 | 1726 | 1727 | rBV4  | 29484   | 40256   | 1.24%  | 0.149% |
| 36 | 12.621 | 1751 | 1758 | 1768 | rVB   | 1319100 | 2376879 | 73.28% | 8.824% |
| 37 | 12.761 | 1776 | 1781 | 1782 | rBV3  | 19256   | 32494   | 1.00%  | 0.121% |
| 38 | 12.804 | 1784 | 1788 | 1792 | rBV   | 87855   | 140157  | 4.32%  | 0.520% |
| 39 | 12.902 | 1792 | 1804 | 1808 | rBV3  | 175500  | 572823  | 17.66% | 2.126% |
| 40 | 13.255 | 1857 | 1862 | 1866 | rBV   | 126565  | 208254  | 6.42%  | 0.773% |
| 41 | 13.341 | 1866 | 1876 | 1885 | rVV5  | 137359  | 625822  | 19.29% | 2.323% |
| 42 | 13.456 | 1891 | 1895 | 1896 | rBV4  | 37634   | 51933   | 1.60%  | 0.193% |
| 43 | 13.560 | 1906 | 1912 | 1921 | rBV   | 1476577 | 2373519 | 73.18% | 8.811% |
| 44 | 13.725 | 1934 | 1939 | 1941 | rBV2  | 74932   | 118126  | 3.64%  | 0.439% |
| 45 | 13.755 | 1941 | 1944 | 1947 | rVV3  | 68458   | 116224  | 3.58%  | 0.431% |
| 46 | 13.804 | 1947 | 1952 | 1960 | rVB3  | 142881  | 316609  | 9.76%  | 1.175% |
| 47 | 13.883 | 1960 | 1965 | 1969 | rBV4  | 48084   | 90850   | 2.80%  | 0.337% |
| 48 | 13.956 | 1972 | 1977 | 1982 | rVV2  | 86574   | 206313  | 6.36%  | 0.766% |
| 49 | 14.011 | 1983 | 1986 | 1990 | rVV2  | 98841   | 187330  | 5.78%  | 0.695% |
| 50 | 14.097 | 1994 | 2000 | 2006 | rVB2  | 283319  | 501655  | 15.47% | 1.862% |
| 51 | 14.212 | 2013 | 2019 | 2024 | rVB3  | 94457   | 160556  | 4.95%  | 0.596% |
| 52 | 14.273 | 2024 | 2029 | 2031 | rBV5  | 19584   | 35366   | 1.09%  | 0.131% |
| 53 | 14.340 | 2036 | 2040 | 2045 | rVV3  | 59457   | 112027  | 3.45%  | 0.416% |
| 54 | 14.426 | 2046 | 2054 | 2057 | rVV   | 175857  | 327863  | 10.11% | 1.217% |
| 55 | 14.462 | 2057 | 2060 | 2064 | rVV   | 185053  | 239384  | 7.38%  | 0.889% |
| 56 | 14.505 | 2064 | 2067 | 2071 | rVV2  | 94604   | 114345  | 3.53%  | 0.424% |
| 57 | 14.694 | 2093 | 2098 | 2102 | rVV2  | 149296  | 291155  | 8.98%  | 1.081% |
| 58 | 14.731 | 2102 | 2104 | 2109 | rVV2  | 85328   | 123416  | 3.80%  | 0.458% |
| 59 | 14.810 | 2109 | 2117 | 2122 | rVV5  | 203886  | 520438  | 16.05% | 1.932% |
| 60 | 14.865 | 2122 | 2126 | 2132 | rVB   | 72575   | 121732  | 3.75%  | 0.452% |
| 61 | 15.035 | 2150 | 2154 | 2155 | rBV3  | 33855   | 46130   | 1.42%  | 0.171% |
| 62 | 15.072 | 2155 | 2160 | 2172 | rVV6  | 144639  | 466142  | 14.37% | 1.730% |
| 63 | 15.182 | 2172 | 2178 | 2186 | rVB3  | 97337   | 230866  | 7.12%  | 0.857% |
| 64 | 15.334 | 2198 | 2203 | 2206 | rBV6  | 30672   | 60484   | 1.86%  | 0.225% |
| 65 | 15.371 | 2206 | 2209 | 2214 | rVB   | 52864   | 83111   | 2.56%  | 0.309% |
| 66 | 15.481 | 2221 | 2227 | 2230 | rBV6  | 48721   | 104221  | 3.21%  | 0.387% |
| 67 | 15.663 | 2249 | 2257 | 2263 | rVB5  | 67489   | 146130  | 4.51%  | 0.542% |
| 68 | 15.834 | 2273 | 2285 | 2295 | rBV7  | 30421   | 124978  | 3.85%  | 0.464% |
| 69 | 15.956 | 2300 | 2305 | 2309 | rBV3  | 20527   | 39778   | 1.23%  | 0.148% |
| 70 | 16.163 | 2332 | 2339 | 2345 | rBV10 | 12960   | 33596   | 1.04%  | 0.125% |
| 71 | 16.450 | 2379 | 2386 | 2401 | rVB   | 147421  | 335102  | 10.33% | 1.244% |

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Sample : K1594-39  
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ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
B-9(4-5)

## 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\82W022119S.M  
Title : SW846 8260

|    |        |      |      |      |     |       |        |       |        |
|----|--------|------|------|------|-----|-------|--------|-------|--------|
| 72 | 16.651 | 2411 | 2419 | 2428 | rVB | 53538 | 130653 | 4.03% | 0.485% |
|----|--------|------|------|------|-----|-------|--------|-------|--------|

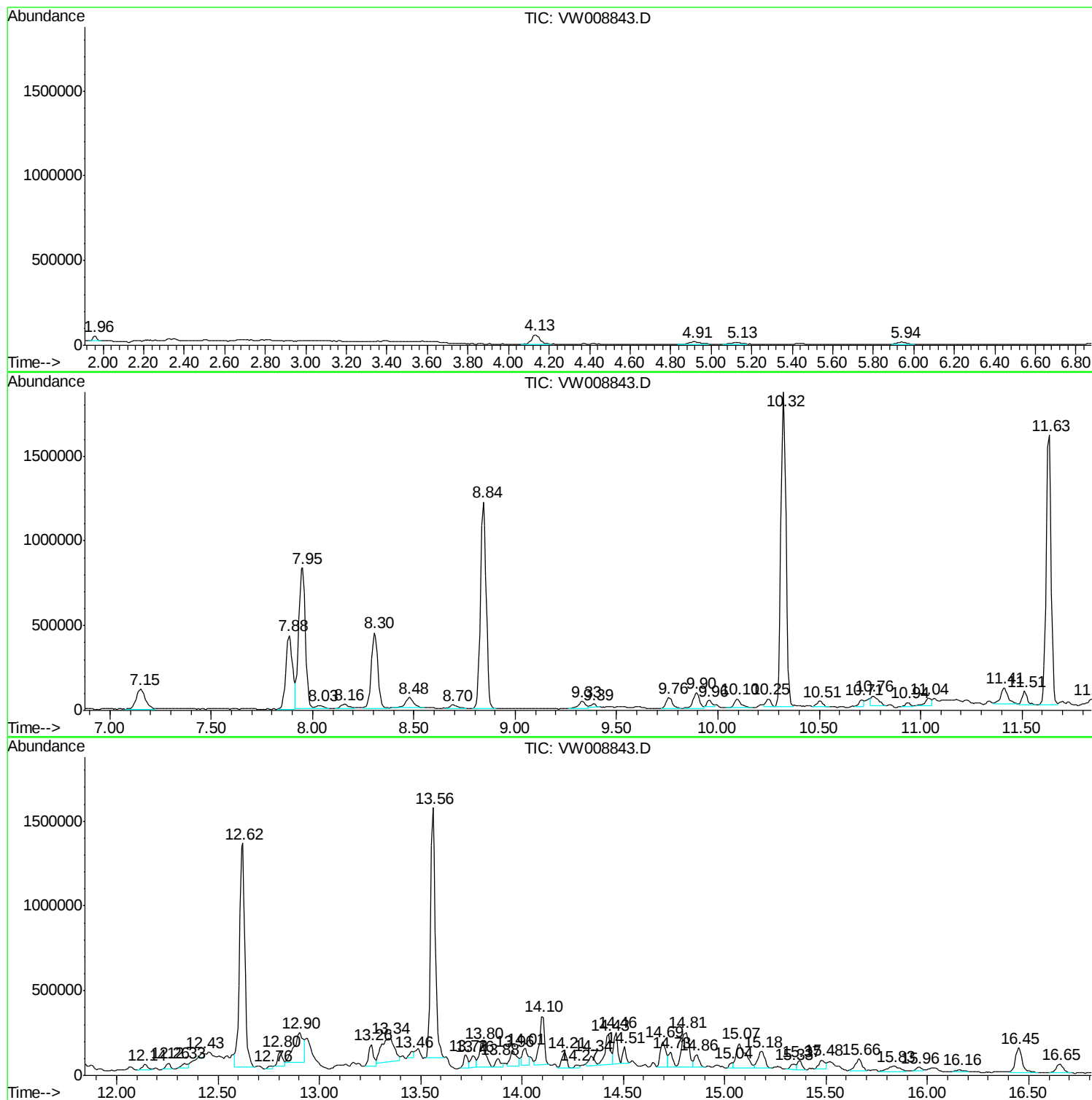
Sum of corrected areas: 26937946

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022619\  
Data File : VW008843.D  
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Sample : K1594-39  
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Instrument :  
MSVOA\_W  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W022119S.M  
Quant Title : SW846 8260

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



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ALS Vial : 24 Sample Multiplier: 1

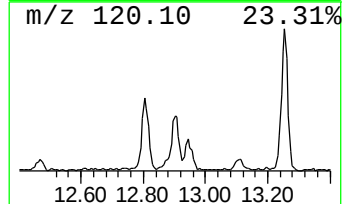
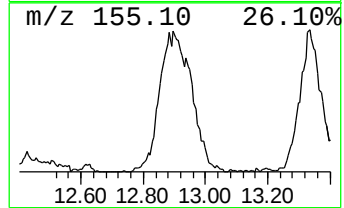
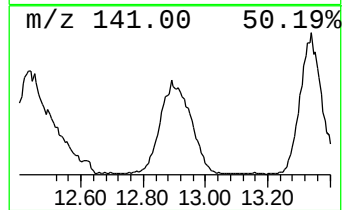
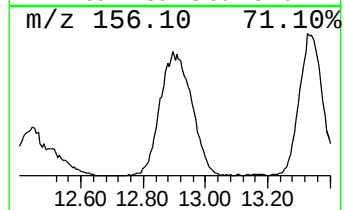
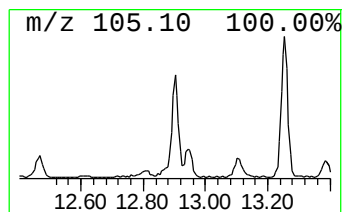
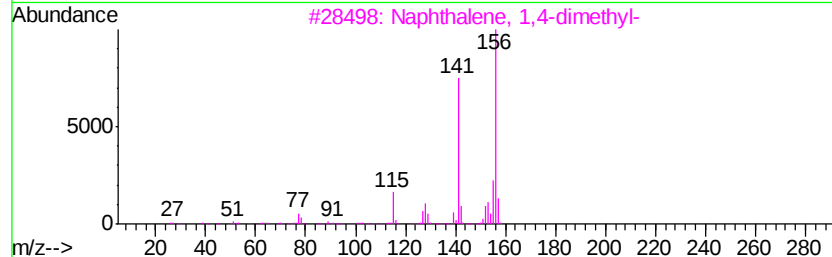
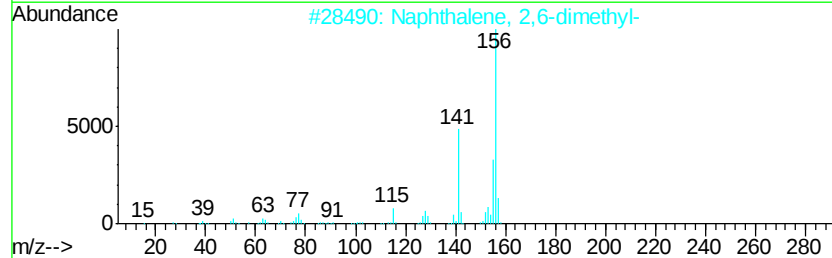
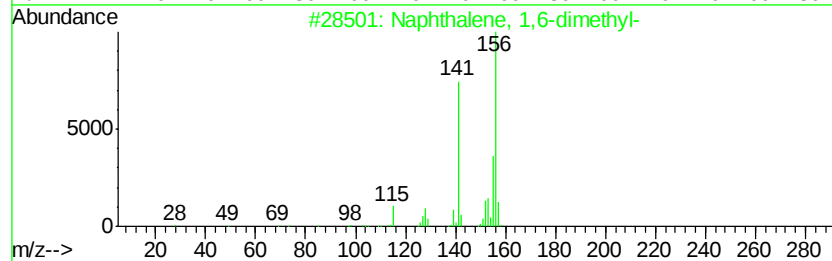
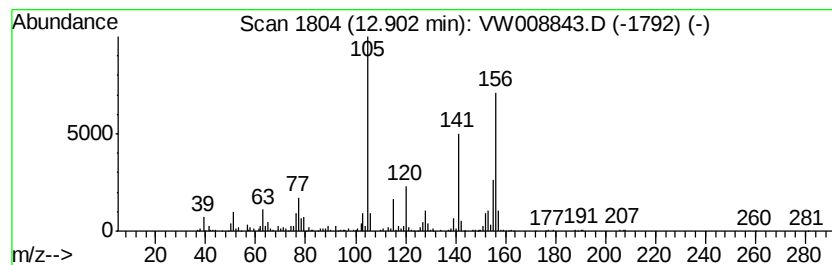
Instrument :  
MSVOA\_W  
ClientSampleId :  
B-9(4-5)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W022119S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 2

| R.T.    | EstConc    | Area                       | Relative to ISTD       | R.T.           |
|---------|------------|----------------------------|------------------------|----------------|
| 12.90   | 12.07 ug/l | 572823                     | 1,4-Dichlorobenzene-d4 | 13.56          |
| Hit# of | 5          | Tentative ID               | MW MolForm             | CAS# Qual      |
| 1       |            | Naphthalene, 1,6-dimethyl- | 156 C12H12             | 000575-43-9 95 |
| 2       |            | Naphthalene, 2,6-dimethyl- | 156 C12H12             | 000581-42-0 93 |
| 3       |            | Naphthalene, 1,4-dimethyl- | 156 C12H12             | 000571-58-4 90 |
| 4       |            | Naphthalene, 1,7-dimethyl- | 156 C12H12             | 000575-37-1 90 |
| 5       |            | Naphthalene, 2,7-dimethyl- | 156 C12H12             | 000582-16-1 83 |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W022119S.M  
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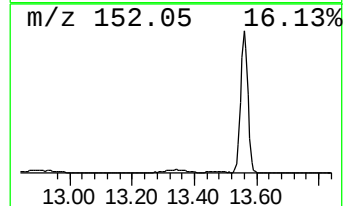
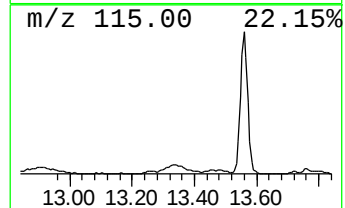
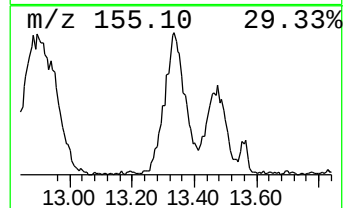
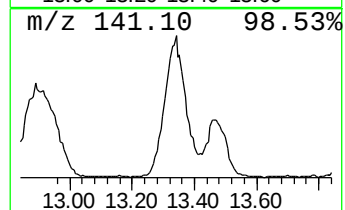
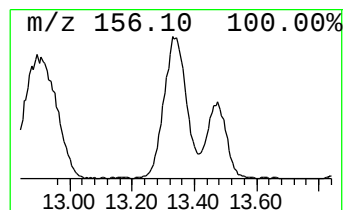
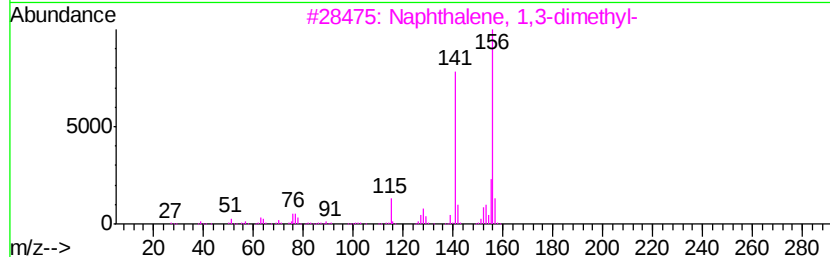
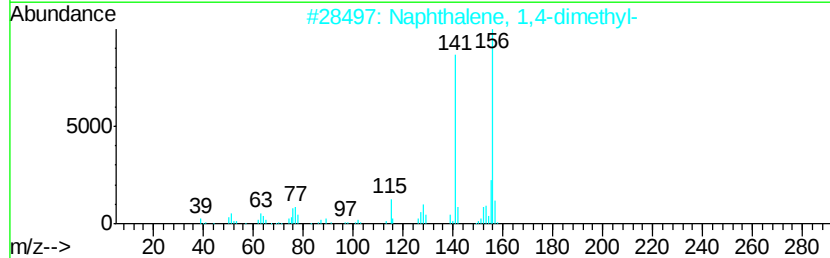
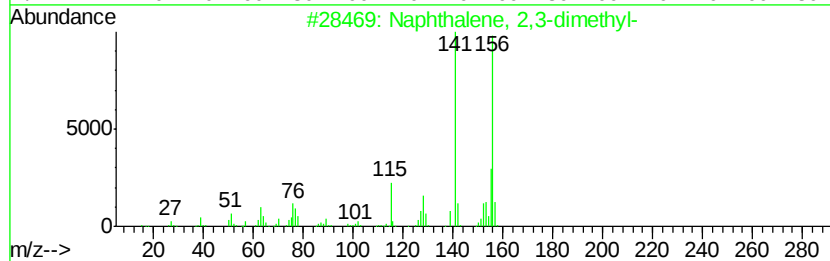
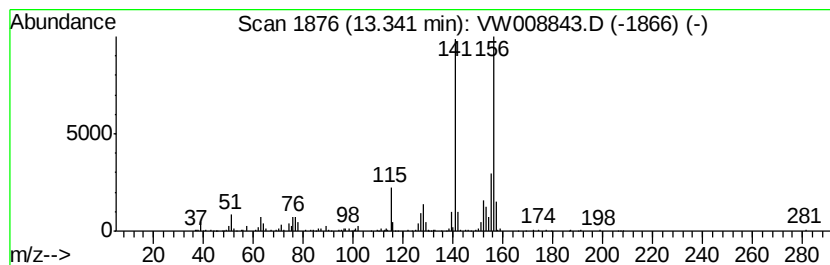
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 13.34 | 13.18 ug/l | 625822 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 2    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 96   |
| 3    |    | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 96   |
| 4    |    | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 95   |
| 5    |    | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 94   |



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B-9(4-5)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W022119S.M  
Quant Title : SW846 8260

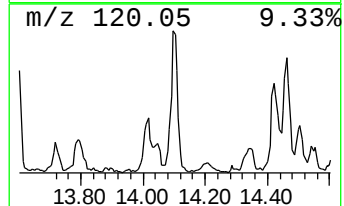
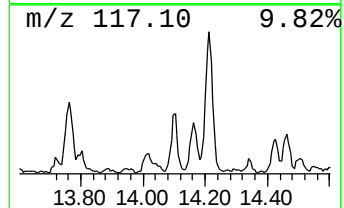
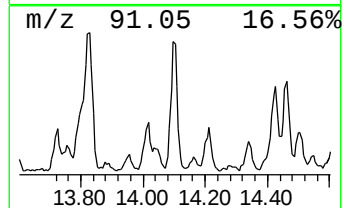
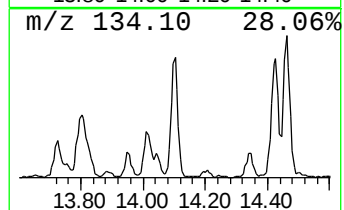
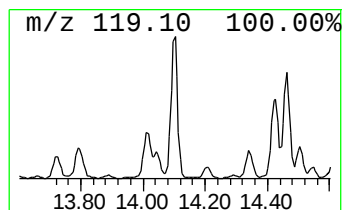
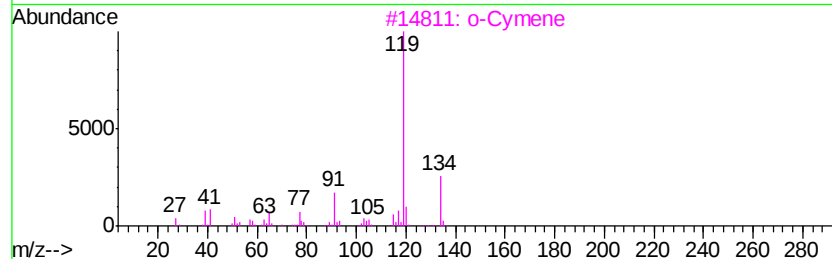
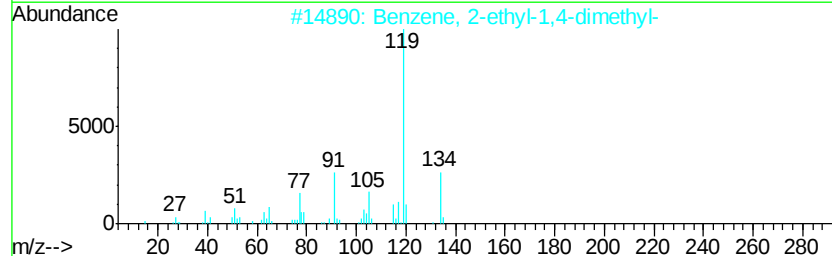
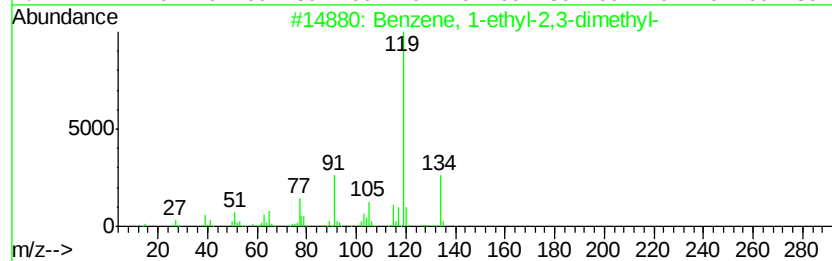
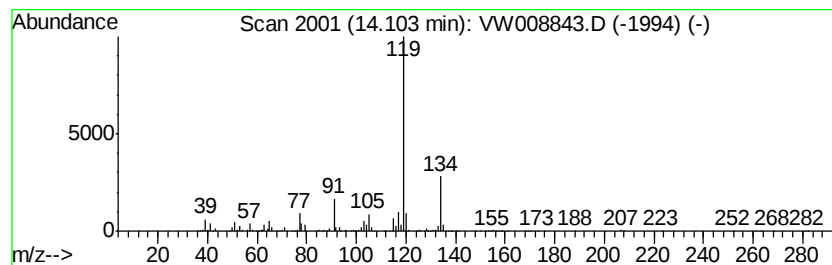
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.10 | 10.57 ug/l | 501655 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2,3-dimethyl-      | 134 | C10H14  | 000933-98-2 | 96   |
| 2    |    | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 96   |
| 3    |    | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 94   |
| 4    |    | Benzene, 2-ethyl-1,3-dimethyl-      | 134 | C10H14  | 002870-04-4 | 94   |
| 5    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 93   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022619\  
Data File : VW008843.D  
Acq On : 26 Feb 2019 20:51  
Operator : SY/VA  
Sample : K1594-39  
Misc : 5.54G/5ML/MSVOA W/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
B-9(4-5)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W022119S.M  
Quant Title : SW846 8260

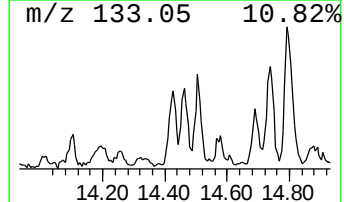
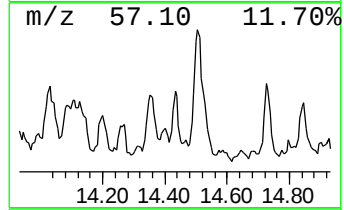
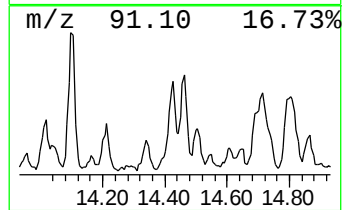
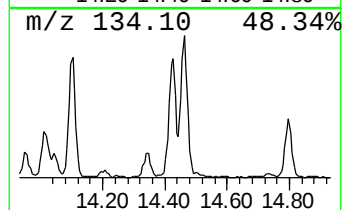
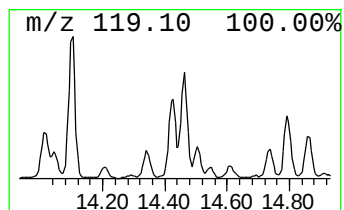
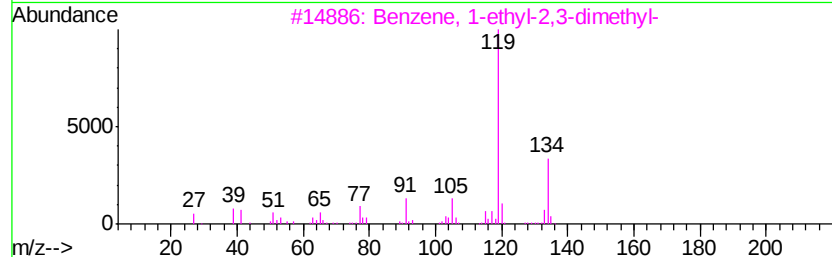
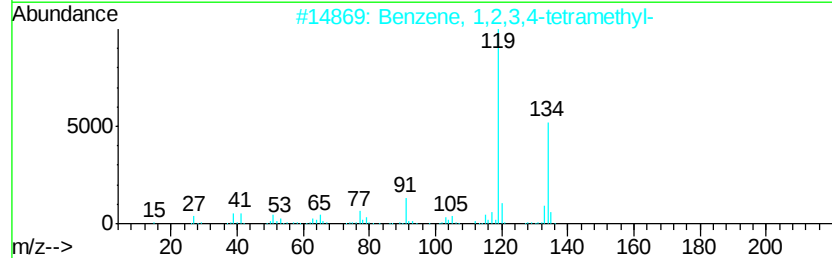
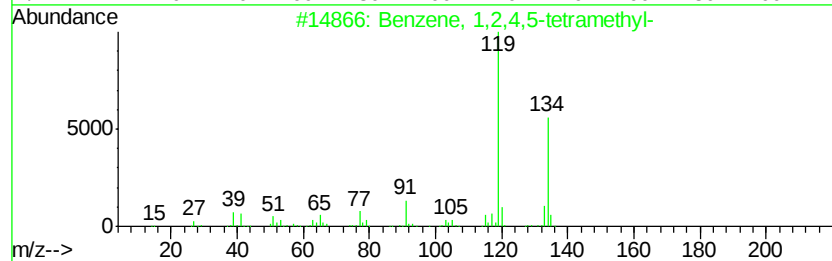
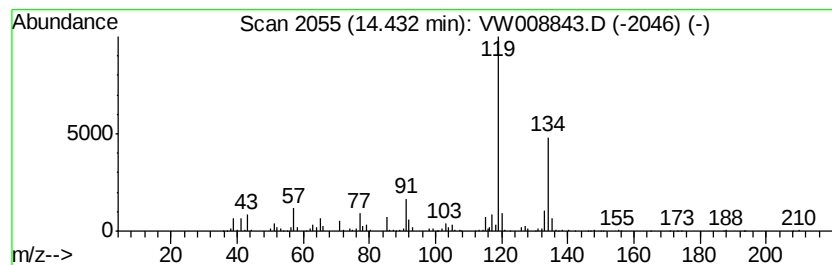
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 14.43 | 6.91 ug/l | 327863 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 94   |
| 2    |    | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 94   |
| 3    |    | Benzene, 1-ethyl-2,3-dimethyl-      | 134 | C10H14  | 000933-98-2 | 91   |
| 4    |    | Benzene, 1,2,3,5-tetramethyl-       | 134 | C10H14  | 000527-53-7 | 91   |
| 5    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 91   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022619\  
Data File : VW008843.D  
Acq On : 26 Feb 2019 20:51  
Operator : SY/VA  
Sample : K1594-39  
Misc : 5.54G/5ML/MSVOA W/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
B-9(4-5)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W022119S.M  
Quant Title : SW846 8260

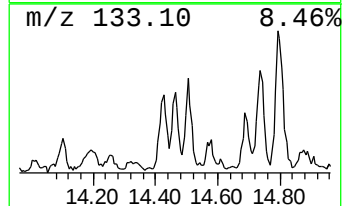
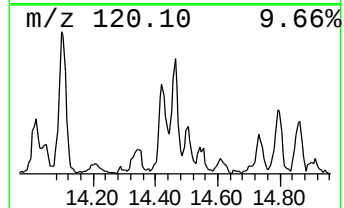
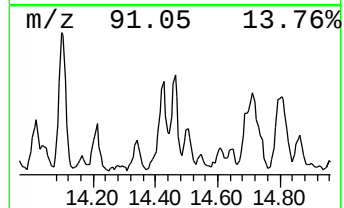
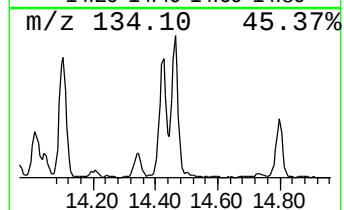
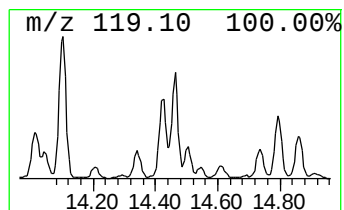
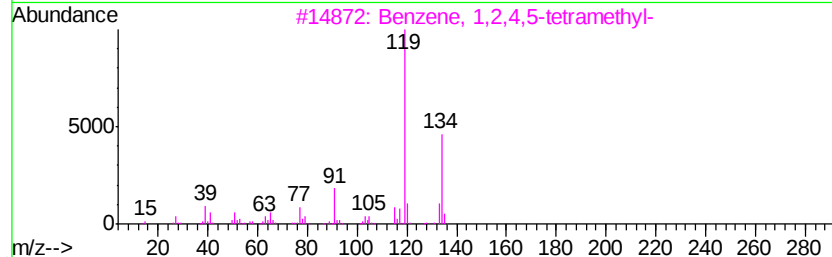
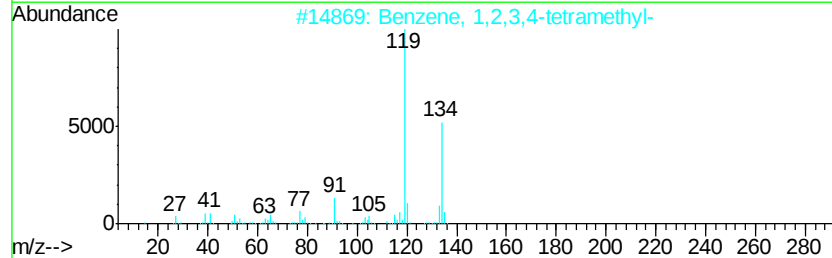
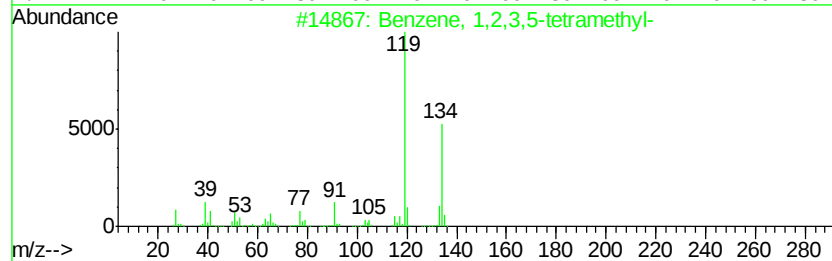
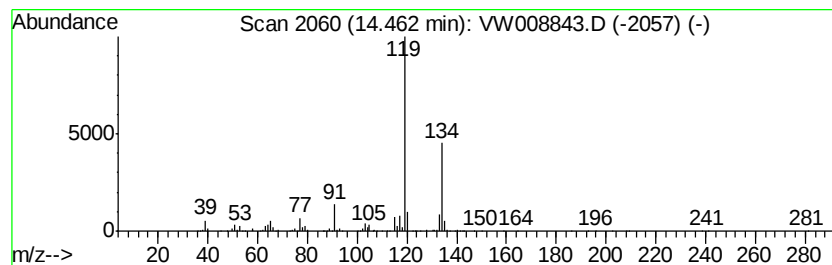
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 10

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 14.46 | 5.04 ug/l | 239384 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3,5-tetramethyl-       | 134 | C10H14  | 000527-53-7 | 95   |
| 2    |    | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 95   |
| 3    |    | Benzene, 1,2,4,5-tetramethyl-       | 134 | C10H14  | 000095-93-2 | 95   |
| 4    |    | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 94   |
| 5    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 91   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022619\  
Data File : VW008843.D  
Acq On : 26 Feb 2019 20:51  
Operator : SY/VA  
Sample : K1594-39  
Misc : 5.54G/5ML/MSVOA W/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
B-9(4-5)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W022119S.M  
Quant Title : SW846 8260

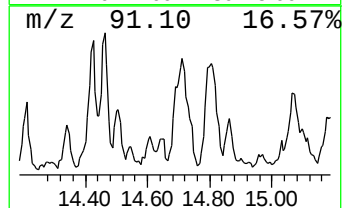
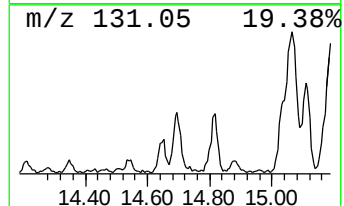
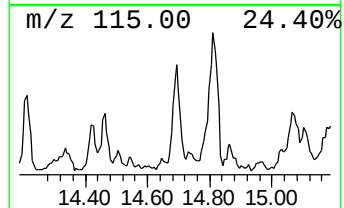
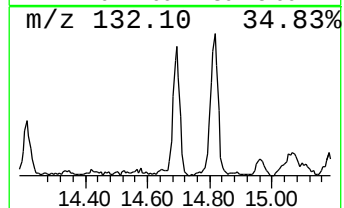
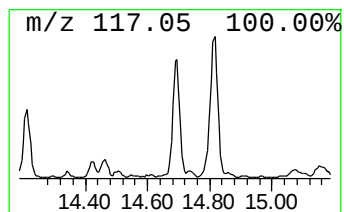
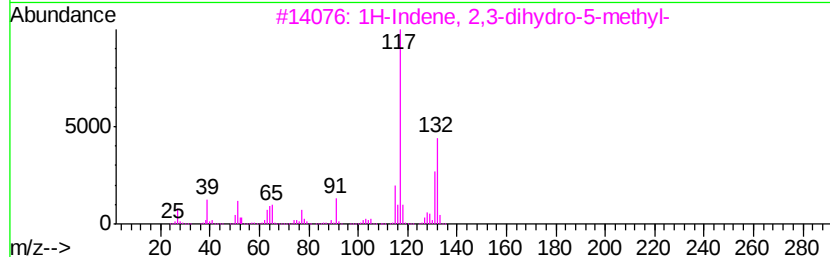
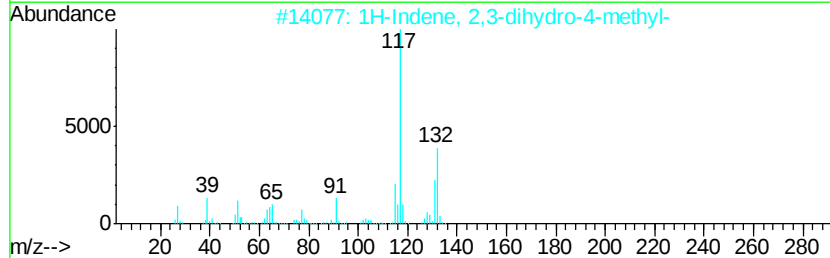
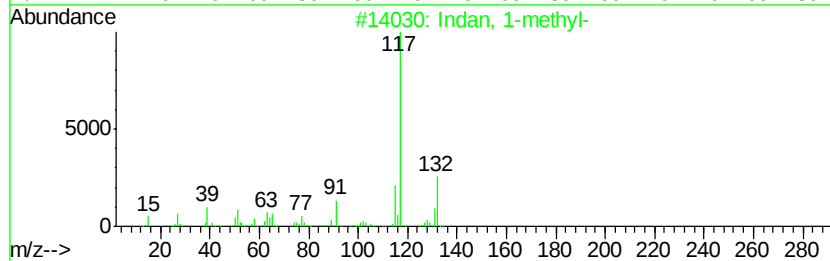
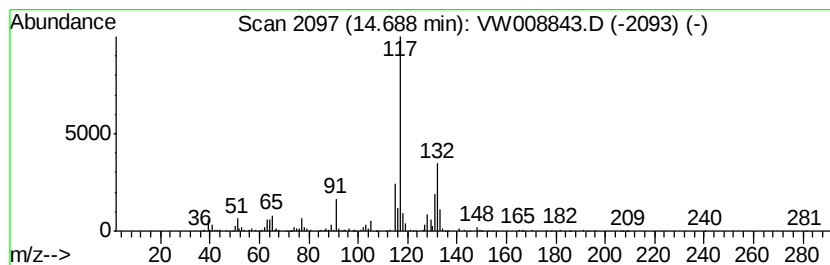
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Indan, 1-methyl- Concentration Rank 9

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 14.69 | 6.13 ug/l | 291155 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Indan, 1-methyl-                 | 132 | C10H12  | 000767-58-8 | 87   |
| 2    |    | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 87   |
| 3    |    | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12  | 000874-35-1 | 81   |
| 4    |    | 1-Phenyl-1-butene                | 132 | C10H12  | 000824-90-8 | 80   |
| 5    |    | 3-Phenylbut-1-ene                | 132 | C10H12  | 000934-10-1 | 80   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022619\  
Data File : VW008843.D  
Acq On : 26 Feb 2019 20:51  
Operator : SY/VA  
Sample : K1594-39  
Misc : 5.54G/5ML/MSVOA W/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
B-9(4-5)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W022119S.M  
Quant Title : SW846 8260

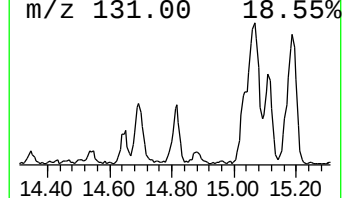
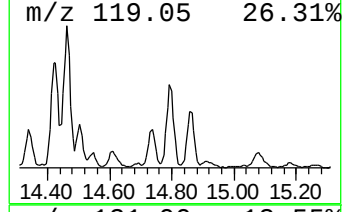
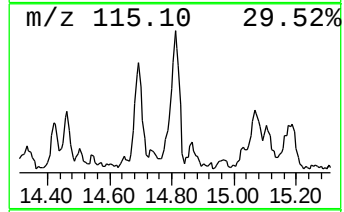
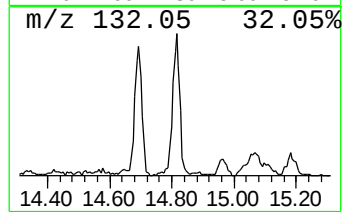
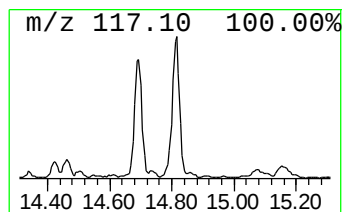
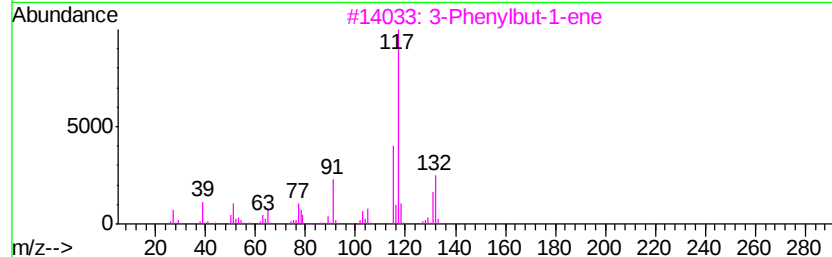
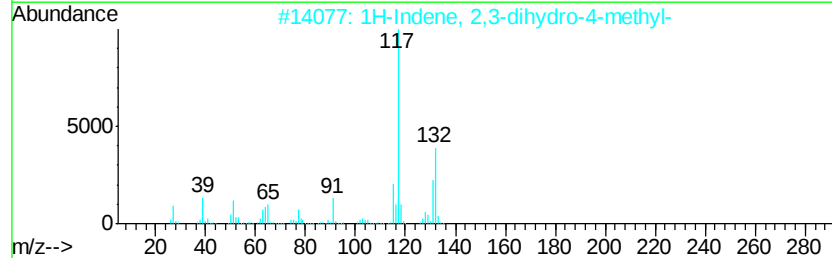
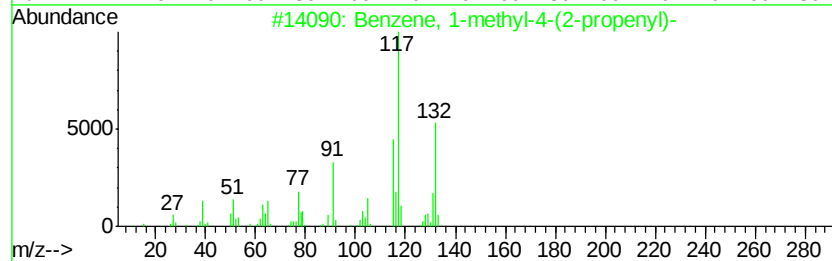
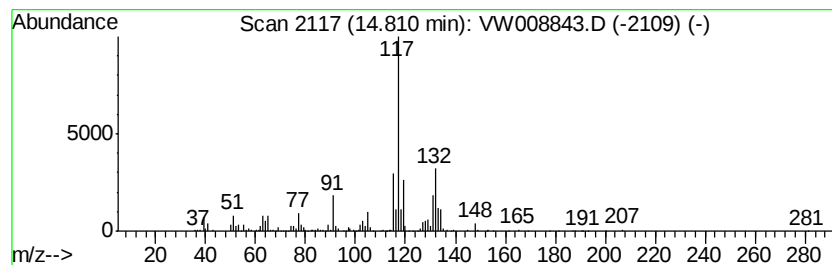
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Benzene, 1-methyl-4-(2-prop... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.81 | 10.96 ug/l | 520438 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12  | 003333-13-9 | 90   |
| 2    |    | 1H-Indene, 2,3-dihydro-4-methyl-  | 132 | C10H12  | 000824-22-6 | 81   |
| 3    |    | 3-Phenylbut-1-ene                 | 132 | C10H12  | 000934-10-1 | 76   |
| 4    |    | 1H-Indene, 2,3-dihydro-5-methyl-  | 132 | C10H12  | 000874-35-1 | 76   |
| 5    |    | Indan, 1-methyl-                  | 132 | C10H12  | 000767-58-8 | 70   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022619\  
Data File : VW008843.D  
Acq On : 26 Feb 2019 20:51  
Operator : SY/VA  
Sample : K1594-39  
Misc : 5.54G/5ML/MSVOA W/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
B-9(4-5)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W022119S.M  
Quant Title : SW846 8260

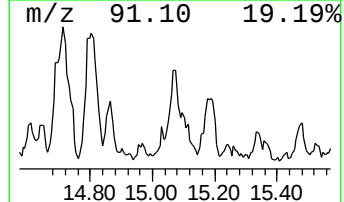
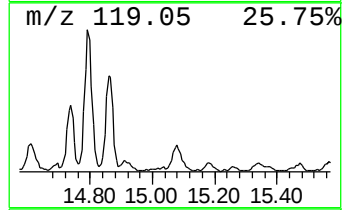
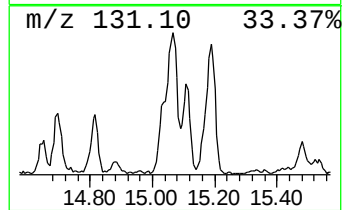
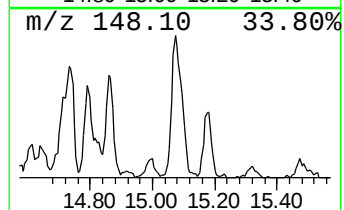
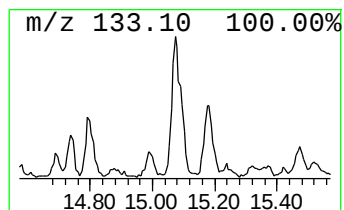
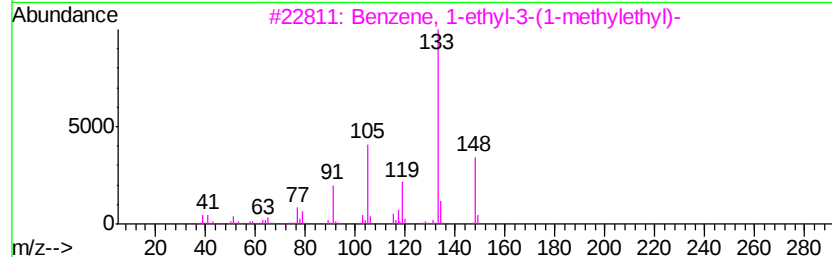
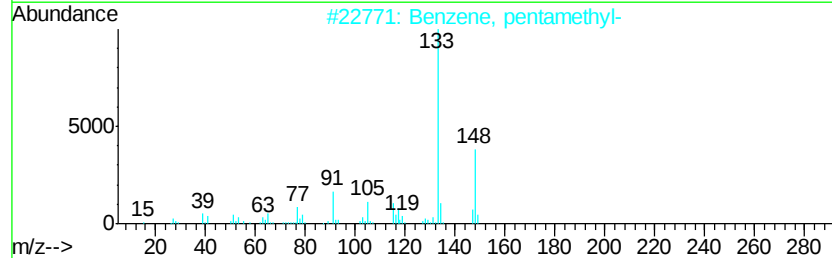
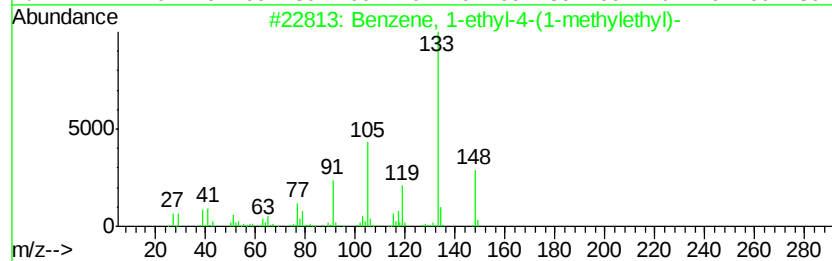
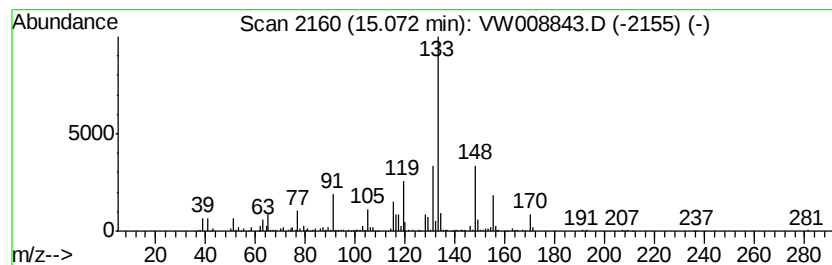
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 6

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 15.07 | 9.82 ug/l | 466142 | 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 | 64   |
| 2    |    | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9 | 64   |
| 3    |    | Benzene, 1-ethyl-3-(1-methylethyl)- | 148 | C11H16  | 004920-99-4 | 58   |
| 4    |    | Benzene, 1,3-dimethyl-5-(1-methy... | 148 | C11H16  | 004706-90-5 | 58   |
| 5    |    | Pyrazine, 3,5-dimethyl-2-(1-prop... | 148 | C9H12N2 | 055138-74-4 | 52   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022619\  
Data File : VW008843.D  
Acq On : 26 Feb 2019 20:51  
Operator : SY/VA  
Sample : K1594-39  
Misc : 5.54G/5ML/MSVOA W/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
B-9(4-5)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W022119S.M  
Quant Title : SW846 8260

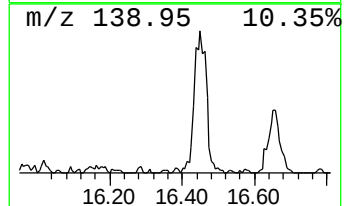
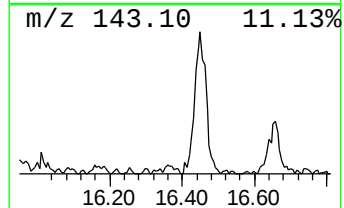
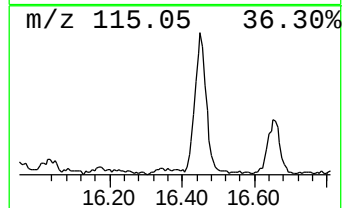
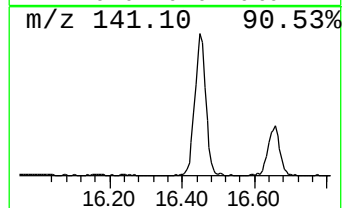
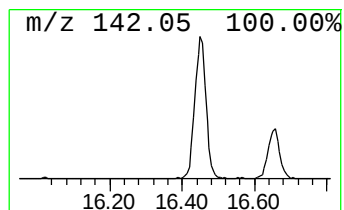
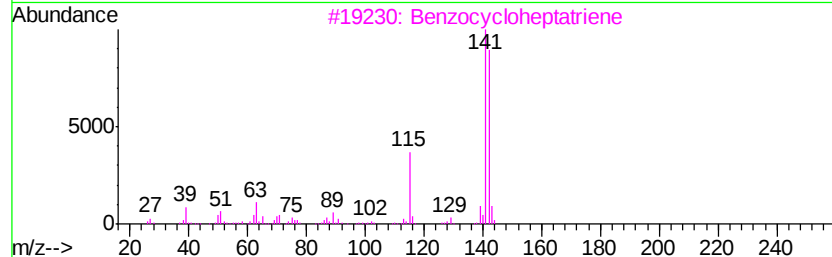
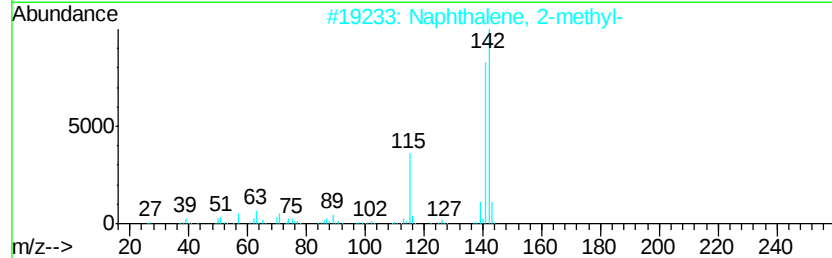
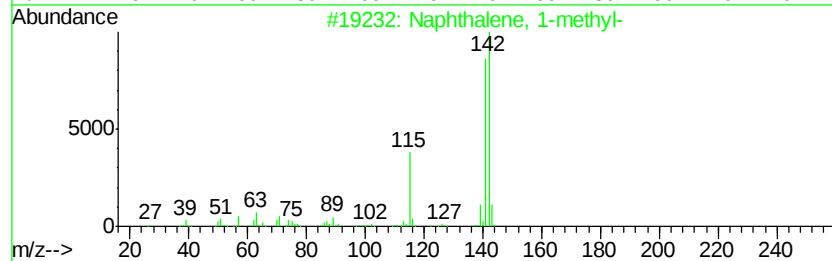
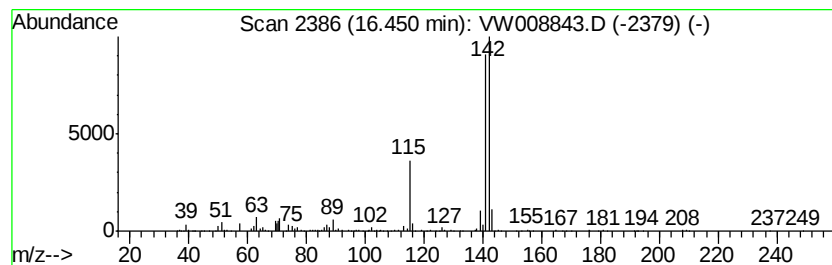
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 7

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 16.45 | 7.06 ug/l | 335102 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 2    |    | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 3    |    | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 91   |
| 4    |    | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 90   |
| 5    |    | Bicyclo[4.4.1]undeca-1,3,5,7,9-p... | 142 | C11H10  | 002443-46-1 | 86   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW022619\  
Data File : VW008843.D  
Acq On : 26 Feb 2019 20:51  
Operator : SY/VA  
Sample : K1594-39  
Misc : 5.54G/5ML/MSVOA\_W/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
B-9(4-5)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W022119S.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 |
| Naphthalene, 1,6-... | 12.90 | 12.1    | ug/l  | 572823   | 4                     | 13.56 | 2373520 | 50.0 |
| Naphthalene, 2,3-... | 13.34 | 13.2    | ug/l  | 625822   | 4                     | 13.56 | 2373520 | 50.0 |
| Benzene, 1-ethyl-... | 14.10 | 10.6    | ug/l  | 501655   | 4                     | 13.56 | 2373520 | 50.0 |
| Benzene, 1,2,4,5-... | 14.43 | 6.9     | ug/l  | 327863   | 4                     | 13.56 | 2373520 | 50.0 |
| Benzene, 1,2,3,5-... | 14.46 | 5.0     | ug/l  | 239384   | 4                     | 13.56 | 2373520 | 50.0 |
| Indan, 1-methyl-     | 14.69 | 6.1     | ug/l  | 291155   | 4                     | 13.56 | 2373520 | 50.0 |
| Benzene, 1-methyl... | 14.81 | 11.0    | ug/l  | 520438   | 4                     | 13.56 | 2373520 | 50.0 |
| Benzene, 1-ethyl-... | 15.07 | 9.8     | ug/l  | 466142   | 4                     | 13.56 | 2373520 | 50.0 |
| Naphthalene, 1-me... | 16.45 | 7.1     | ug/l  | 335102   | 4                     | 13.56 | 2373520 | 50.0 |