

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW112718\  
 Data File : VW007093.D  
 Acq On : 27 Nov 2018 17:36  
 Operator : VAY/AP  
 Sample : J5996-12  
 Misc : 5.66G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 AOC1-05-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\82W112118S.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         | 2.160       | 37            | 42          | 53           | rVB      | 15190          | 20314         | 3.33%           | 0.246%        |
| 2         | 3.038       | 178           | 186         | 195          | rBV      | 6848           | 15105         | 2.48%           | 0.183%        |
| 3         | 3.397       | 237           | 245         | 255          | rBV3     | 4480           | 11532         | 1.89%           | 0.140%        |
| 4         | 3.867       | 314           | 322         | 329          | rVB      | 3723           | 9414          | 1.54%           | 0.114%        |
| 5         | 4.928       | 483           | 496         | 513          | rBV4     | 7196           | 39265         | 6.44%           | 0.475%        |
| 6         | 5.446       | 567           | 581         | 590          | rVB3     | 3010           | 10166         | 1.67%           | 0.123%        |
| 7         | 5.946       | 654           | 663         | 676          | rVB2     | 6735           | 19698         | 3.23%           | 0.238%        |
| 8         | 6.878       | 808           | 816         | 826          | rBV5     | 2658           | 9021          | 1.48%           | 0.109%        |
| 9         | 6.994       | 826           | 835         | 842          | rVV      | 4900           | 13731         | 2.25%           | 0.166%        |
| 10        | 7.141       | 851           | 859         | 875          | rVB      | 9929           | 28376         | 4.65%           | 0.343%        |
| 11        | 7.702       | 940           | 951         | 959          | rVB3     | 4084           | 11849         | 1.94%           | 0.143%        |
| 12        | 7.884       | 971           | 981         | 986          | rBV2     | 53475          | 129831        | 21.29%          | 1.571%        |
| 13        | 7.951       | 986           | 992         | 1001         | rVV      | 129355         | 288524        | 47.32%          | 3.490%        |
| 14        | 8.043       | 1001          | 1007        | 1018         | rVB3     | 6392           | 16063         | 2.63%           | 0.194%        |
| 15        | 8.165       | 1019          | 1027        | 1034         | rBV3     | 4722           | 10768         | 1.77%           | 0.130%        |
| 16        | 8.311       | 1034          | 1051        | 1063         | rBV2     | 66860          | 166801        | 27.36%          | 2.018%        |
| 17        | 8.482       | 1065          | 1079        | 1091         | rBV      | 19401          | 56713         | 9.30%           | 0.686%        |
| 18        | 8.701       | 1106          | 1115        | 1126         | rVB5     | 5005           | 13341         | 2.19%           | 0.161%        |
| 19        | 8.848       | 1130          | 1139        | 1154         | rBV      | 174122         | 350733        | 57.52%          | 4.243%        |
| 20        | 9.335       | 1206          | 1219        | 1224         | rBV4     | 9936           | 24995         | 4.10%           | 0.302%        |
| 21        | 9.390       | 1224          | 1228        | 1235         | rVV2     | 4689           | 9688          | 1.59%           | 0.117%        |
| 22        | 9.762       | 1282          | 1289        | 1299         | rBV      | 15170          | 30532         | 5.01%           | 0.369%        |
| 23        | 9.860       | 1299          | 1305        | 1306         | rVV5     | 4733           | 7750          | 1.27%           | 0.094%        |
| 24        | 9.896       | 1306          | 1311        | 1317         | rVV      | 23167          | 46608         | 7.64%           | 0.564%        |
| 25        | 9.957       | 1317          | 1321        | 1331         | rVV3     | 4969           | 12014         | 1.97%           | 0.145%        |
| 26        | 10.104      | 1335          | 1345        | 1354         | rBV2     | 5485           | 13783         | 2.26%           | 0.167%        |
| 27        | 10.256      | 1364          | 1370        | 1375         | rVV      | 15270          | 27061         | 4.44%           | 0.327%        |
| 28        | 10.329      | 1375          | 1382        | 1387         | rVV      | 258019         | 464201        | 76.13%          | 5.616%        |
| 29        | 10.390      | 1387          | 1392        | 1405         | rVV      | 253366         | 446550        | 73.24%          | 5.402%        |
| 30        | 10.512      | 1405          | 1412        | 1418         | rVB5     | 9817           | 21189         | 3.48%           | 0.256%        |
| 31        | 10.713      | 1434          | 1445        | 1448         | rBV      | 19303          | 44107         | 7.23%           | 0.534%        |
| 32        | 11.067      | 1494          | 1503        | 1507         | rBV3     | 9777           | 17858         | 2.93%           | 0.216%        |
| 33        | 11.414      | 1555          | 1560        | 1562         | rVV3     | 5692           | 9803          | 1.61%           | 0.119%        |
| 34        | 11.445      | 1563          | 1565        | 1571         | rVB3     | 8320           | 10336         | 1.70%           | 0.125%        |

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 Misc : 5.66G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 AOC1-05-A

## Integration Parameters: RTEINT.P

Integrator: RTE  
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 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\82W112118S.M  
 Title : SW846 8260

|    |        |      |      |      |       |        |        |         |        |
|----|--------|------|------|------|-------|--------|--------|---------|--------|
| 35 | 11.518 | 1572 | 1577 | 1583 | rBV2  | 5656   | 10778  | 1.77%   | 0.130% |
| 36 | 11.634 | 1588 | 1596 | 1604 | rVV   | 255210 | 436144 | 71.53%  | 5.276% |
| 37 | 11.737 | 1604 | 1613 | 1620 | rVB   | 84870  | 144979 | 23.78%  | 1.754% |
| 38 | 11.841 | 1620 | 1630 | 1641 | rBV   | 304793 | 572022 | 93.81%  | 6.920% |
| 39 | 12.170 | 1675 | 1684 | 1693 | rVB   | 126340 | 210655 | 34.55%  | 2.548% |
| 40 | 12.335 | 1703 | 1711 | 1715 | rBV10 | 2986   | 7283   | 1.19%   | 0.088% |
| 41 | 12.469 | 1728 | 1733 | 1738 | rBV   | 9042   | 15595  | 2.56%   | 0.189% |
| 42 | 12.621 | 1747 | 1758 | 1767 | rVB   | 226880 | 390378 | 64.02%  | 4.723% |
| 43 | 12.810 | 1783 | 1789 | 1793 | rVV   | 42398  | 64600  | 10.59%  | 0.782% |
| 44 | 12.871 | 1793 | 1799 | 1802 | rVV   | 160135 | 253858 | 41.63%  | 3.071% |
| 45 | 12.902 | 1802 | 1804 | 1808 | rVV   | 83326  | 123213 | 20.21%  | 1.491% |
| 46 | 12.944 | 1808 | 1811 | 1818 | rVB   | 87704  | 141391 | 23.19%  | 1.710% |
| 47 | 13.109 | 1830 | 1838 | 1845 | rBV   | 56207  | 95686  | 15.69%  | 1.158% |
| 48 | 13.255 | 1856 | 1862 | 1868 | rBV   | 307042 | 470233 | 77.12%  | 5.689% |
| 49 | 13.304 | 1868 | 1870 | 1875 | rVB5  | 4619   | 6206   | 1.02%   | 0.075% |
| 50 | 13.377 | 1875 | 1882 | 1883 | rBV6  | 4325   | 7761   | 1.27%   | 0.094% |
| 51 | 13.414 | 1886 | 1888 | 1891 | rVV3  | 5364   | 7336   | 1.20%   | 0.089% |
| 52 | 13.444 | 1891 | 1893 | 1897 | rVV2  | 5282   | 6702   | 1.10%   | 0.081% |
| 53 | 13.560 | 1906 | 1912 | 1931 | rVB2  | 289526 | 609744 | 100.00% | 7.376% |
| 54 | 13.725 | 1934 | 1939 | 1940 | rBV   | 15292  | 19156  | 3.14%   | 0.232% |
| 55 | 13.761 | 1940 | 1945 | 1948 | rVV2  | 82875  | 148083 | 24.29%  | 1.791% |
| 56 | 13.798 | 1948 | 1951 | 1960 | rVB3  | 54248  | 105082 | 17.23%  | 1.271% |
| 57 | 13.883 | 1960 | 1965 | 1969 | rBV3  | 12837  | 19355  | 3.17%   | 0.234% |
| 58 | 13.956 | 1971 | 1977 | 1982 | rBV   | 12642  | 18981  | 3.11%   | 0.230% |
| 59 | 14.017 | 1982 | 1987 | 1989 | rBV   | 27039  | 40740  | 6.68%   | 0.493% |
| 60 | 14.048 | 1989 | 1992 | 1995 | rVV   | 27659  | 41648  | 6.83%   | 0.504% |
| 61 | 14.103 | 1995 | 2001 | 2007 | rVB2  | 55926  | 96074  | 15.76%  | 1.162% |
| 62 | 14.164 | 2007 | 2011 | 2014 | rBV   | 7912   | 9498   | 1.56%   | 0.115% |
| 63 | 14.213 | 2014 | 2019 | 2024 | rVB2  | 33724  | 55418  | 9.09%   | 0.670% |
| 64 | 14.273 | 2024 | 2029 | 2035 | rVB7  | 3137   | 6156   | 1.01%   | 0.074% |
| 65 | 14.347 | 2035 | 2041 | 2046 | rBV2  | 14824  | 29459  | 4.83%   | 0.356% |
| 66 | 14.426 | 2046 | 2054 | 2057 | rVV   | 37490  | 68390  | 11.22%  | 0.827% |
| 67 | 14.462 | 2057 | 2060 | 2064 | rVV   | 49680  | 70539  | 11.57%  | 0.853% |
| 68 | 14.505 | 2064 | 2067 | 2071 | rVV   | 21566  | 33899  | 5.56%   | 0.410% |
| 69 | 14.548 | 2071 | 2074 | 2081 | rVB   | 13505  | 19923  | 3.27%   | 0.241% |
| 70 | 14.651 | 2086 | 2091 | 2094 | rBV2  | 14298  | 20221  | 3.32%   | 0.245% |
| 71 | 14.694 | 2094 | 2098 | 2102 | rVV   | 51063  | 89597  | 14.69%  | 1.084% |

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Instrument :  
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 AOC1-05-A

## Integration Parameters: RTEINT.P

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

Filtering: 5  
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 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
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Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 72 | 14.731 | 2102 | 2104 | 2109 | rVB3 | 31849  | 45023  | 7.38%  | 0.545% |
| 73 | 14.816 | 2109 | 2118 | 2123 | rBV3 | 75161  | 175399 | 28.77% | 2.122% |
| 74 | 14.865 | 2123 | 2126 | 2132 | rVB2 | 17532  | 32059  | 5.26%  | 0.388% |
| 75 | 14.968 | 2138 | 2143 | 2149 | rVB4 | 13418  | 24774  | 4.06%  | 0.300% |
| 76 | 15.036 | 2149 | 2154 | 2155 | rBV  | 11755  | 15047  | 2.47%  | 0.182% |
| 77 | 15.072 | 2155 | 2160 | 2164 | rVV2 | 36000  | 74788  | 12.27% | 0.905% |
| 78 | 15.109 | 2164 | 2166 | 2172 | rVV  | 17717  | 30399  | 4.99%  | 0.368% |
| 79 | 15.188 | 2172 | 2179 | 2188 | rVB4 | 29571  | 72779  | 11.94% | 0.880% |
| 80 | 15.371 | 2198 | 2209 | 2215 | rBV  | 117586 | 246759 | 40.47% | 2.985% |
| 81 | 15.481 | 2222 | 2227 | 2231 | rBV3 | 19996  | 35287  | 5.79%  | 0.427% |
| 82 | 15.566 | 2237 | 2241 | 2250 | rVB3 | 27392  | 53719  | 8.81%  | 0.650% |
| 83 | 15.663 | 2250 | 2257 | 2265 | rBV2 | 29681  | 70813  | 11.61% | 0.857% |
| 84 | 15.737 | 2266 | 2269 | 2274 | rVB3 | 6065   | 10070  | 1.65%  | 0.122% |
| 85 | 15.834 | 2275 | 2285 | 2289 | rBV5 | 16163  | 46367  | 7.60%  | 0.561% |
| 86 | 15.956 | 2301 | 2305 | 2311 | rVV3 | 8662   | 13471  | 2.21%  | 0.163% |
| 87 | 16.041 | 2312 | 2319 | 2324 | rVB5 | 13558  | 32297  | 5.30%  | 0.391% |
| 88 | 16.182 | 2335 | 2342 | 2347 | rBV8 | 8431   | 20884  | 3.43%  | 0.253% |
| 89 | 16.230 | 2347 | 2350 | 2356 | rVB7 | 5320   | 9481   | 1.55%  | 0.115% |
| 90 | 16.304 | 2357 | 2362 | 2366 | rVV3 | 6271   | 9981   | 1.64%  | 0.121% |
| 91 | 16.450 | 2379 | 2386 | 2394 | rBV  | 115518 | 245586 | 40.28% | 2.971% |
| 92 | 16.657 | 2412 | 2420 | 2432 | rVB  | 51882  | 126583 | 20.76% | 1.531% |

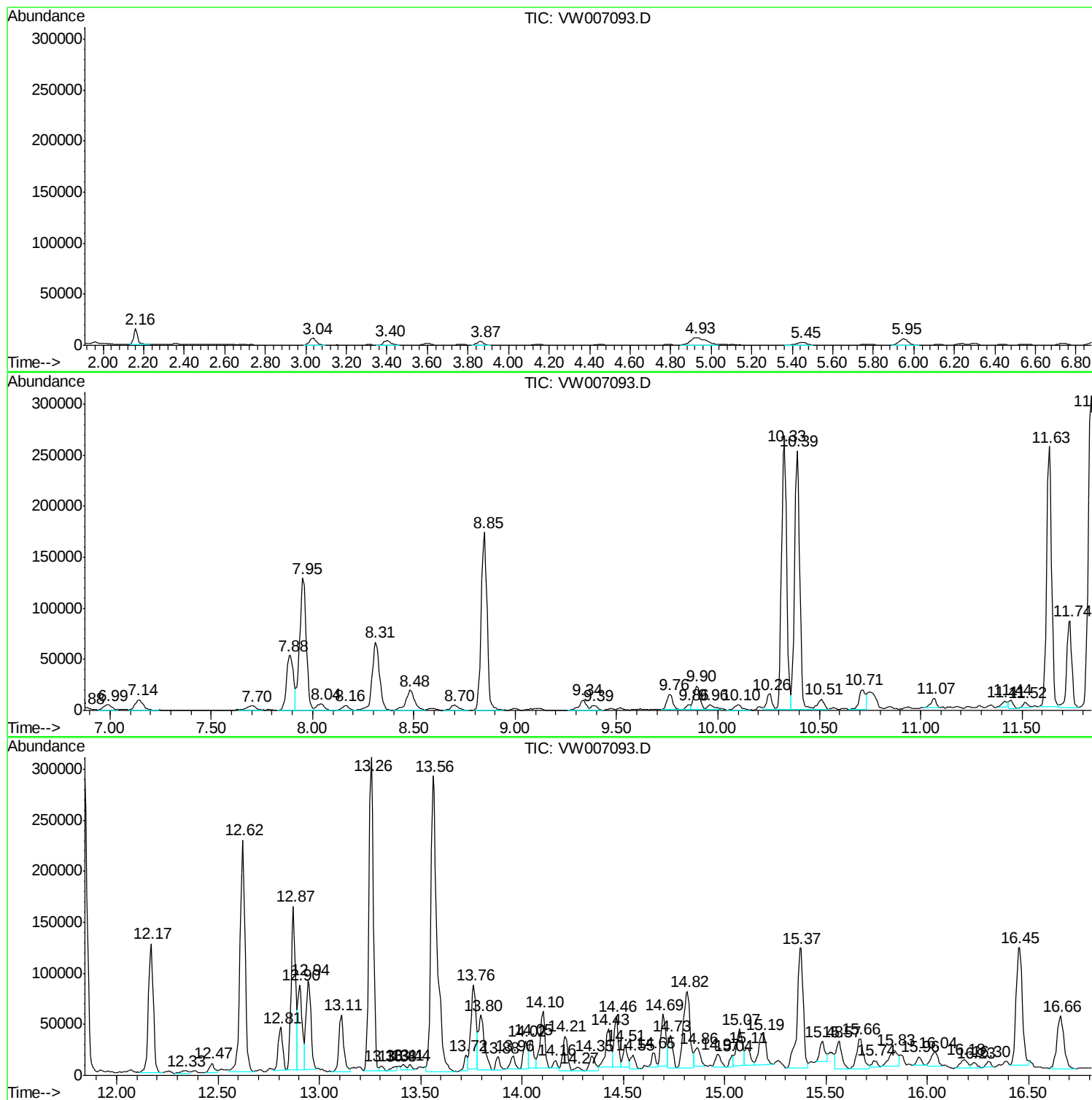
Sum of corrected areas: 8266069

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Data File : VW007093.D  
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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW112718\  
Data File : VW007093.D  
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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
AOC1-05-A

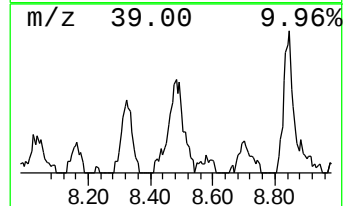
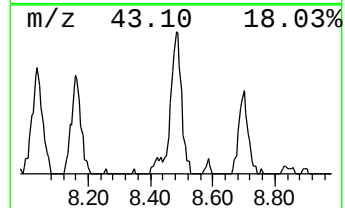
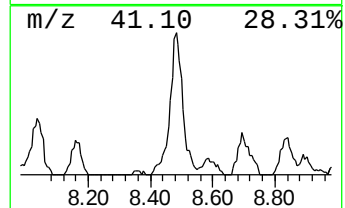
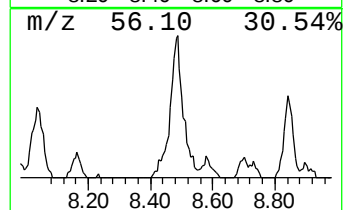
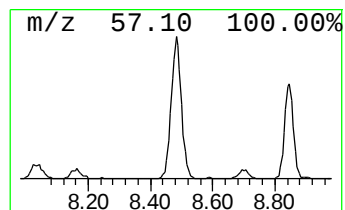
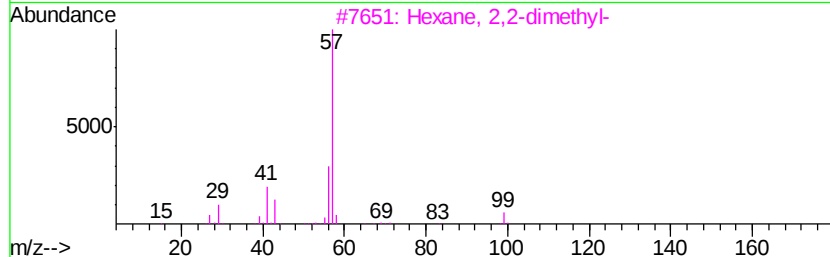
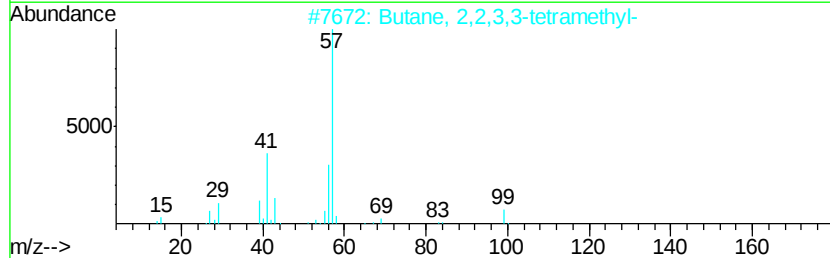
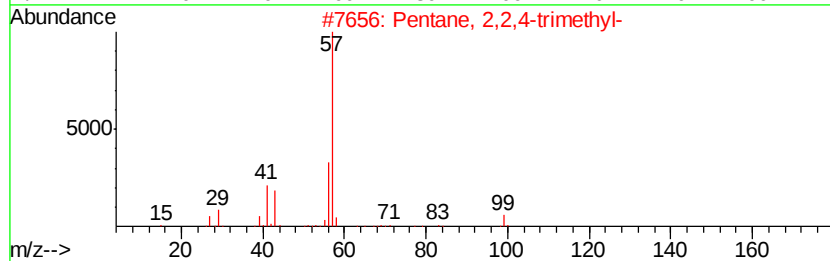
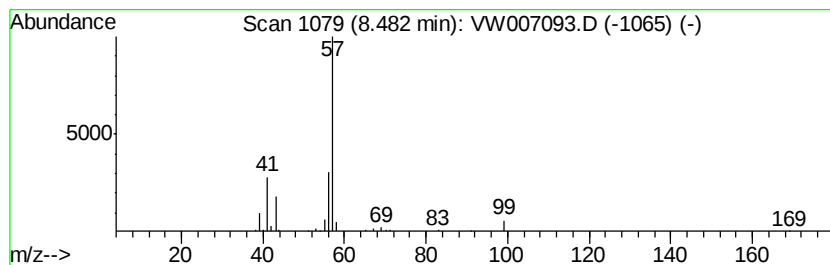
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260

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

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

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 8.48 | 8.08 ug/l | 56713 | 1,4-Difluorobenzene | 8.85 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentane, 2,2,4-trimethyl-    | 114 | C8H18   | 000540-84-1 | 72   |
| 2    |    | Butane, 2,2,3,3-tetramethyl- | 114 | C8H18   | 000594-82-1 | 72   |
| 3    |    | Hexane, 2,2-dimethyl-        | 114 | C8H18   | 000590-73-8 | 72   |
| 4    |    | Hexane, 2,2,5-trimethyl-     | 128 | C9H20   | 003522-94-9 | 59   |
| 5    |    | Hexane, 2,2,4-trimethyl-     | 128 | C9H20   | 016747-26-5 | 59   |



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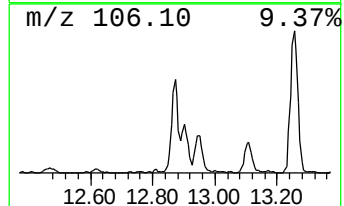
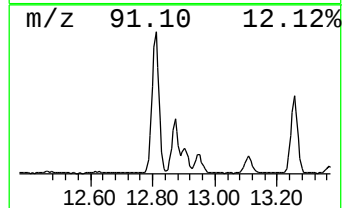
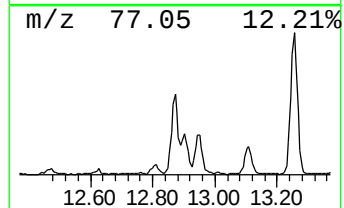
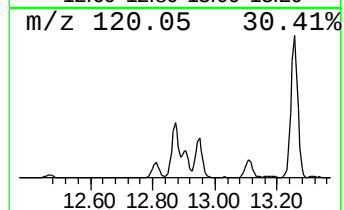
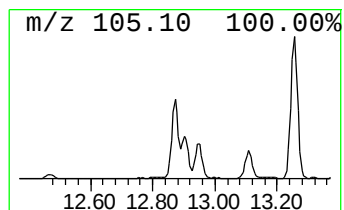
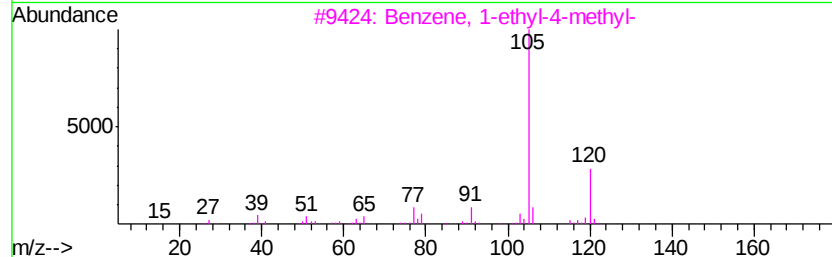
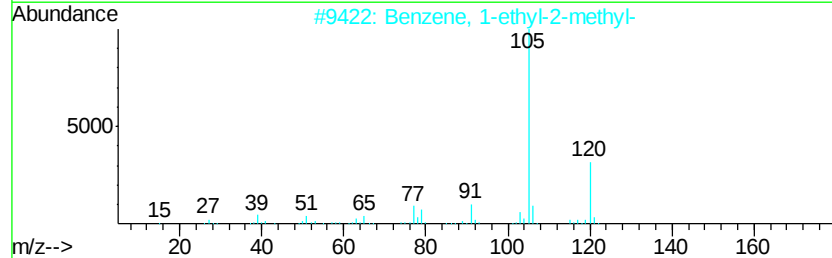
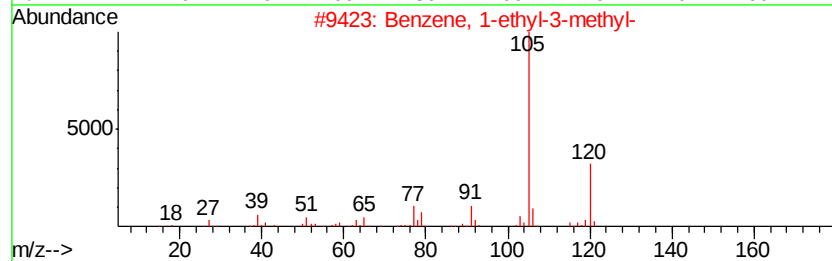
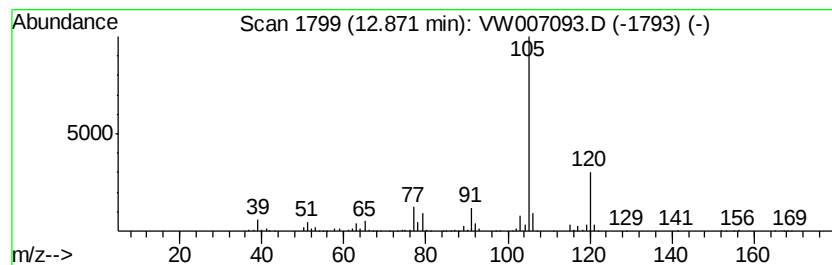
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260

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

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

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 12.87 | 20.82 ug/l | 253858 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 97   |
| 2    |    | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 3    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 4    |    | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |
| 5    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |



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ClientSampleId :  
AOC1-05-A

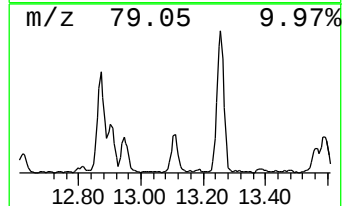
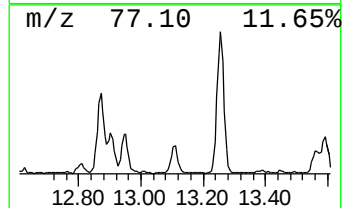
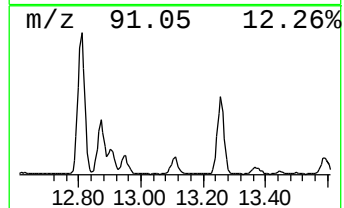
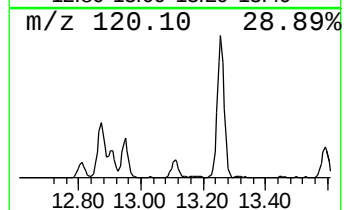
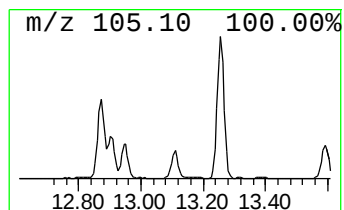
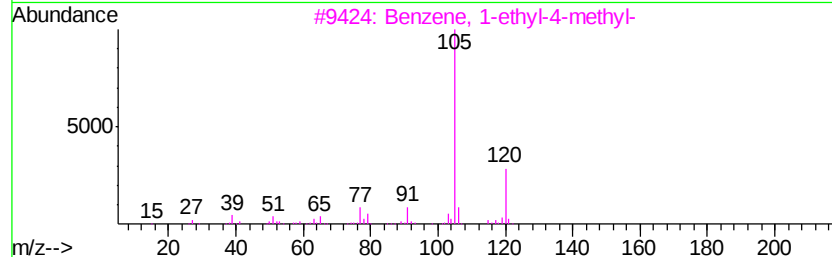
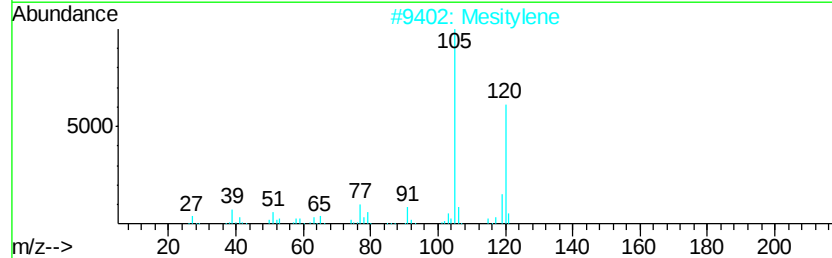
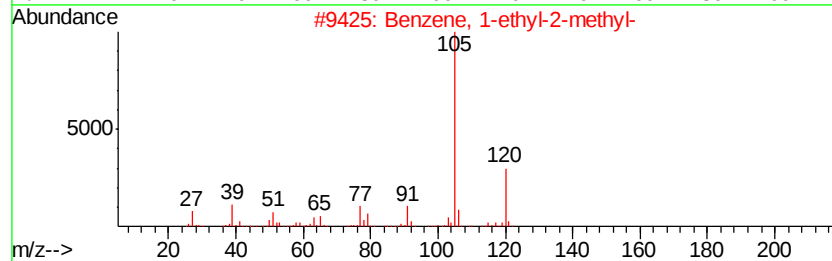
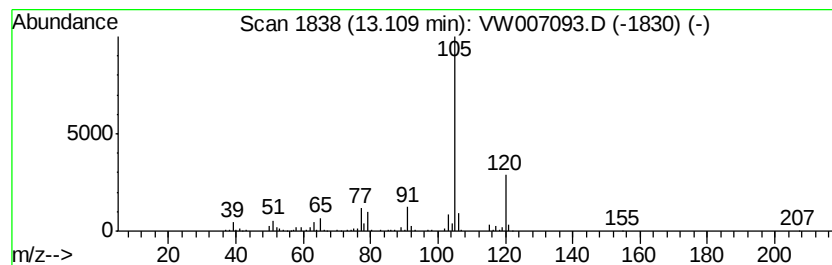
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 13.11 | 7.85 ug/l | 95686 | 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 | 95   |
| 2    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 3    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 4    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 91   |
| 5    |    | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW112718\  
Data File : VW007093.D  
Acq On : 27 Nov 2018 17:36  
Operator : VAY/AP  
Sample : J5996-12  
Misc : 5.66G/5ML/MSVOA\_W/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
AOC1-05-A

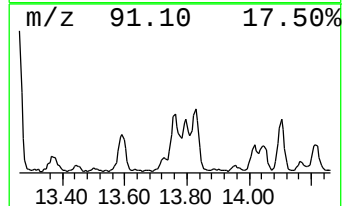
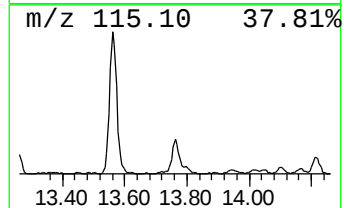
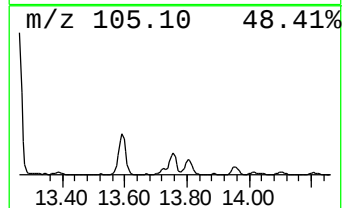
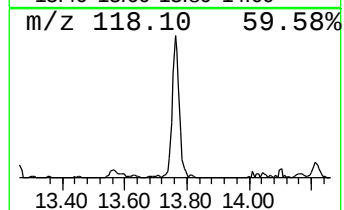
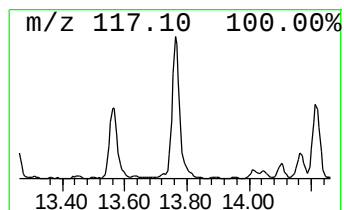
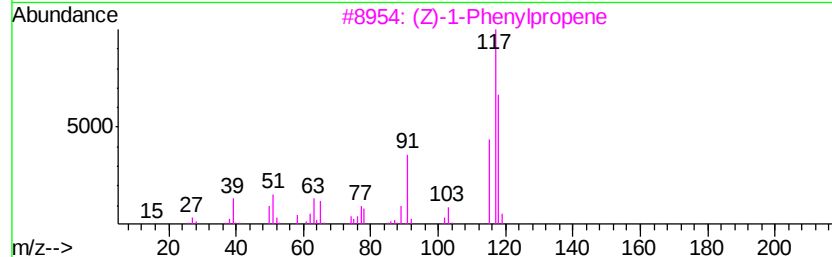
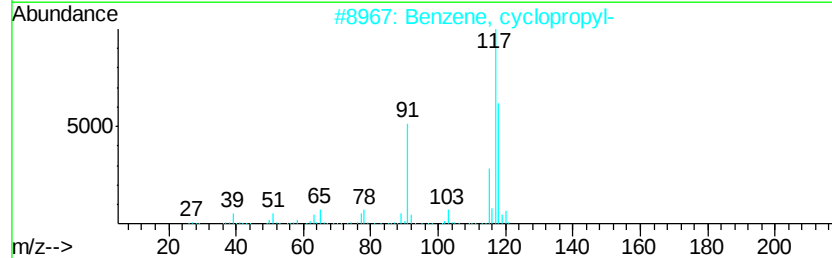
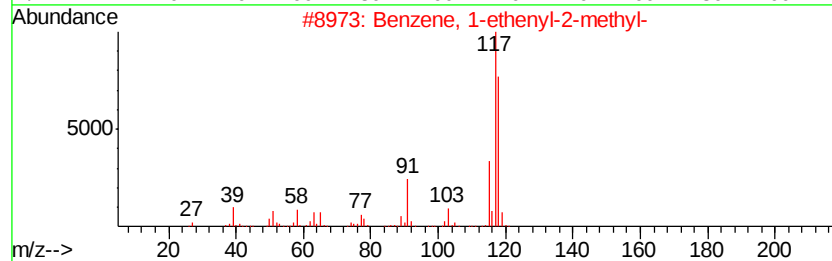
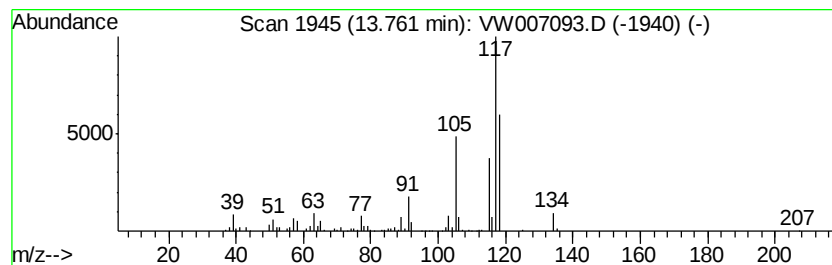
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 Benzene, 1-ethenyl-2-methyl- Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 13.76 | 12.14 ug/l | 148083 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10   | 000611-15-4 | 76   |
| 2    |    | Benzene, cyclopropyl-        | 118 | C9H10   | 000873-49-4 | 62   |
| 3    |    | (Z)-1-Phenylpropene          | 118 | C9H10   | 000766-90-5 | 62   |
| 4    |    | Benzene, 2-propenyl-         | 118 | C9H10   | 000300-57-2 | 59   |
| 5    |    | Benzene, 1-propenyl-         | 118 | C9H10   | 000637-50-3 | 58   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW112718\  
Data File : VW007093.D  
Acq On : 27 Nov 2018 17:36  
Operator : VAY/AP  
Sample : J5996-12  
Misc : 5.66G/5ML/MSVOA\_W/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
AOC1-05-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260

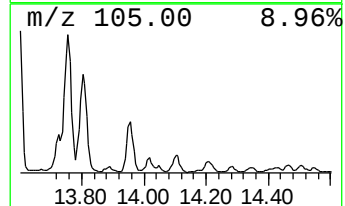
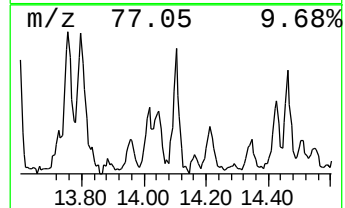
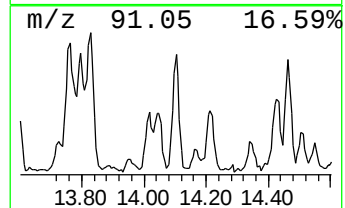
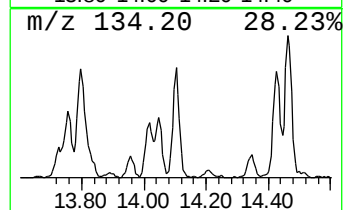
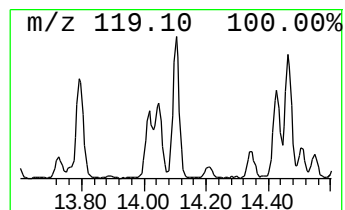
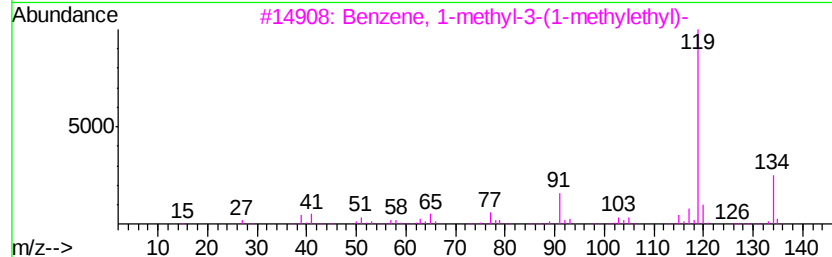
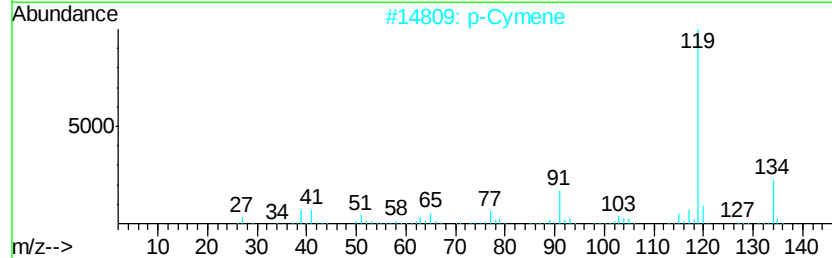
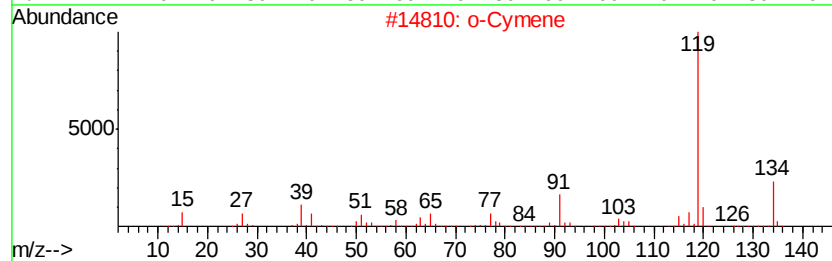
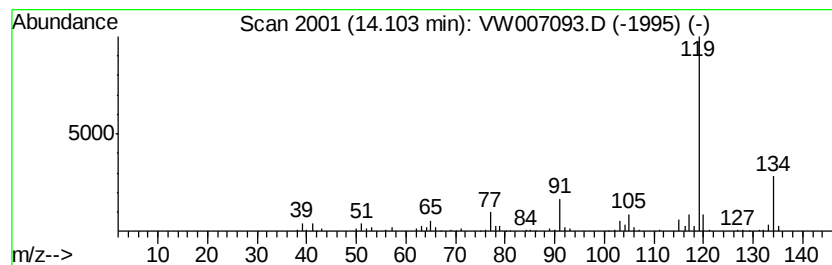
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 o-Cymene Concentration Rank 7

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 14.10 | 7.88 ug/l | 96074 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 97   |
| 2    |    | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 97   |
| 3    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 94   |
| 4    |    | Benzene, 4-ethyl-1,2-dimethyl-      | 134 | C10H14  | 000934-80-5 | 94   |
| 5    |    | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 93   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW112718\  
Data File : VW007093.D  
Acq On : 27 Nov 2018 17:36  
Operator : VAY/AP  
Sample : J5996-12  
Misc : 5.66G/5ML/MSVOA\_W/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
AOC1-05-A

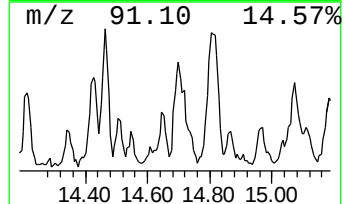
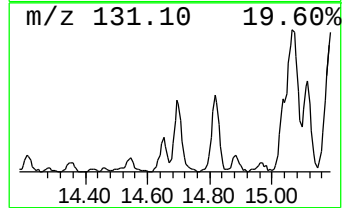
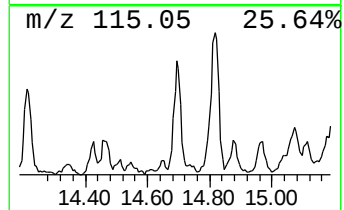
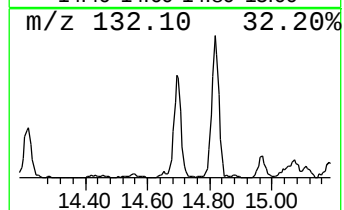
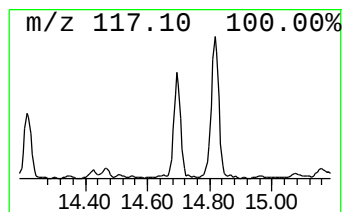
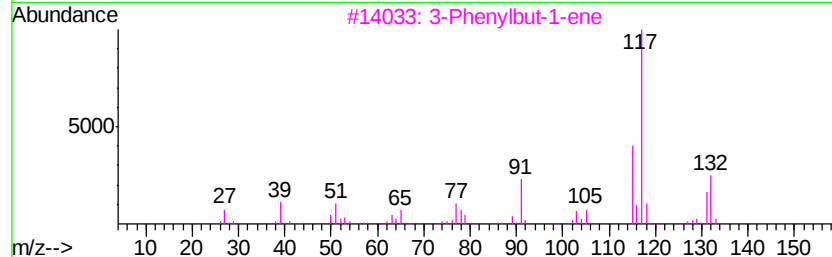
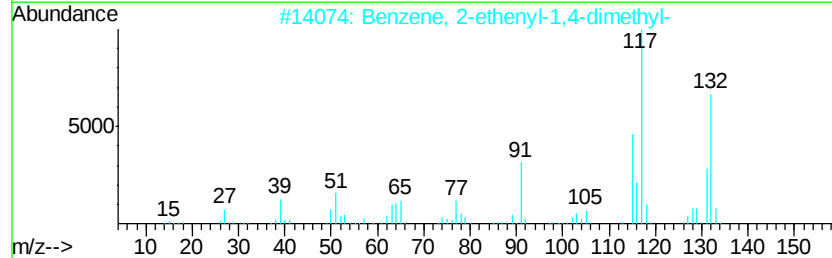
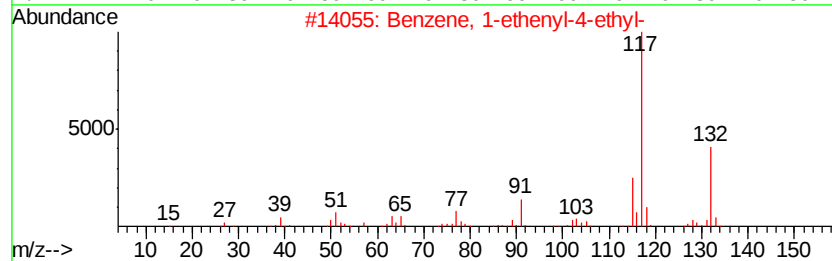
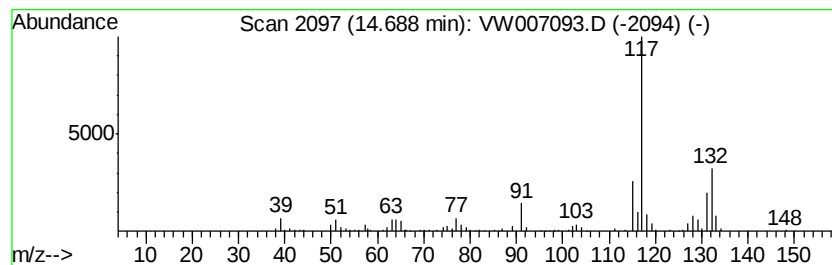
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 7 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 9

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 14.69 | 7.35 ug/l | 89597 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethenyl-4-ethyl-      | 132 | C10H12  | 003454-07-7 | 94   |
| 2    |    | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 92   |
| 3    |    | 3-Phenylbut-1-ene                | 132 | C10H12  | 000934-10-1 | 91   |
| 4    |    | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 87   |
| 5    |    | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12  | 000874-35-1 | 87   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW112718\  
Data File : VW007093.D  
Acq On : 27 Nov 2018 17:36  
Operator : VAY/AP  
Sample : J5996-12  
Misc : 5.66G/5ML/MSVOA\_W/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
AOC1-05-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260

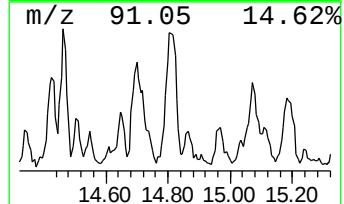
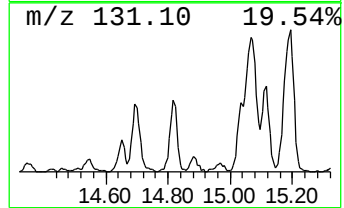
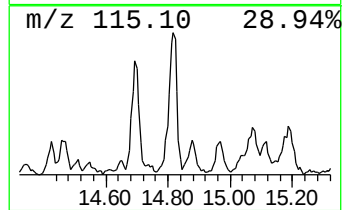
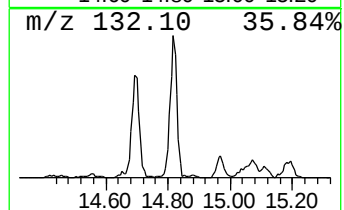
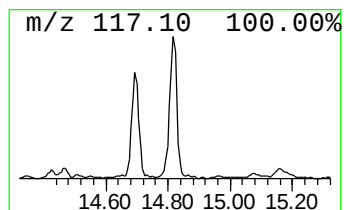
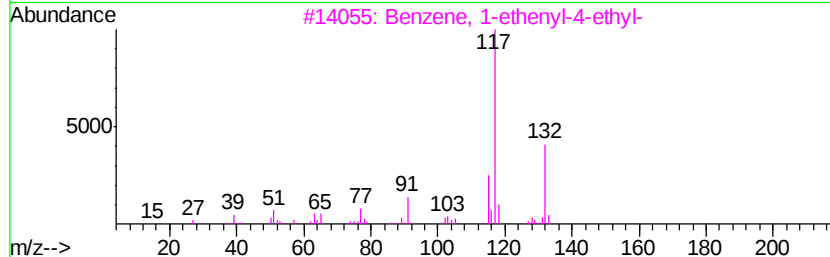
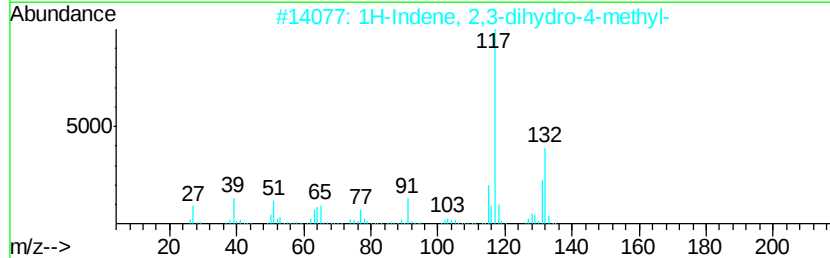
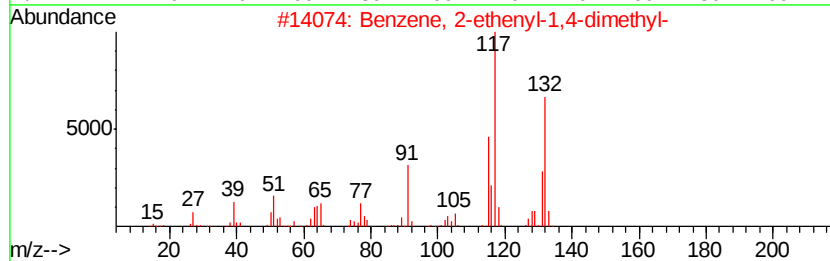
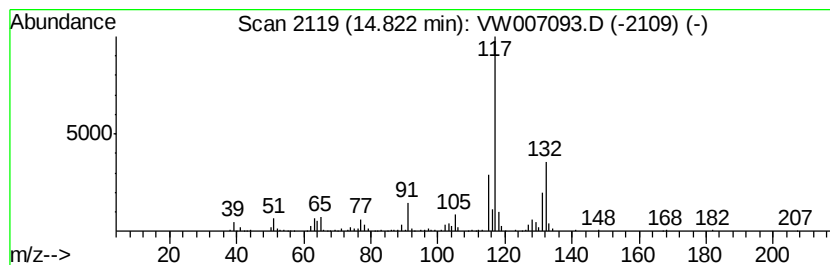
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.82 | 14.38 ug/l | 175399 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 96   |
| 2    |    | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 93   |
| 3    |    | Benzene, 1-ethenyl-4-ethyl-      | 132 | C10H12  | 003454-07-7 | 90   |
| 4    |    | 3-Phenylbut-1-ene                | 132 | C10H12  | 000934-10-1 | 90   |
| 5    |    | 1H-Indene, 2,3-dihydro-2-methyl- | 132 | C10H12  | 000824-63-5 | 83   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW112718\  
Data File : VW007093.D  
Acq On : 27 Nov 2018 17:36  
Operator : VAY/AP  
Sample : J5996-12  
Misc : 5.66G/5ML/MSVOA\_W/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
AOC1-05-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260

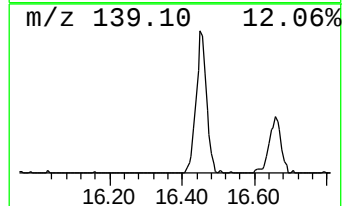
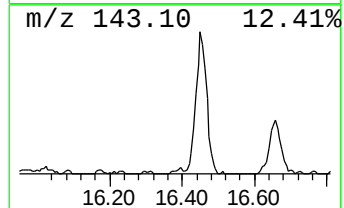
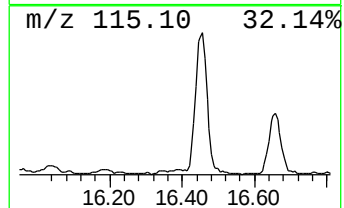
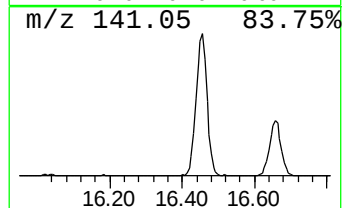
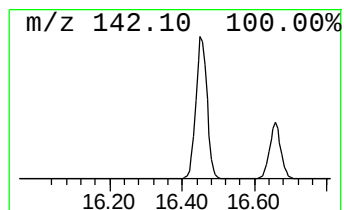
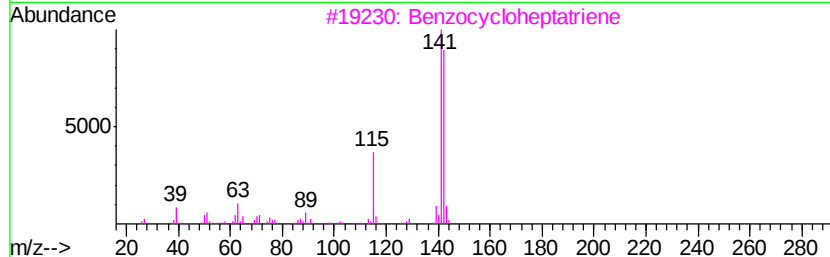
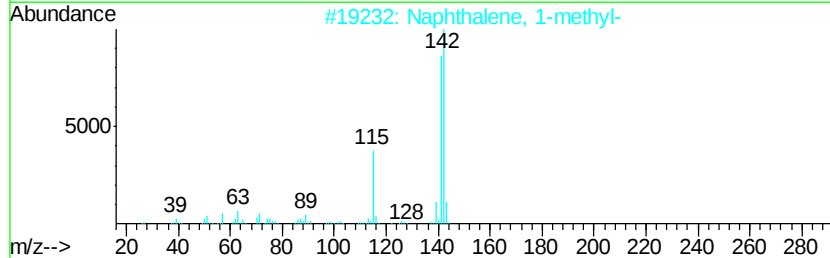
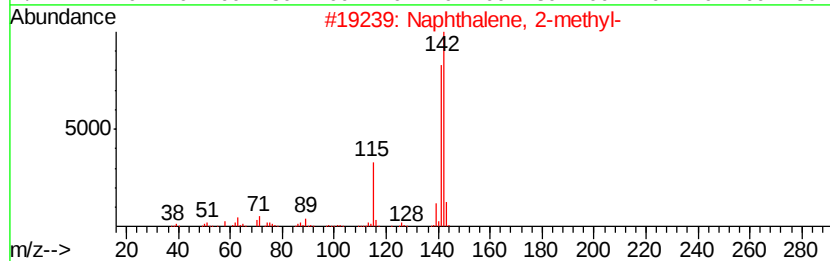
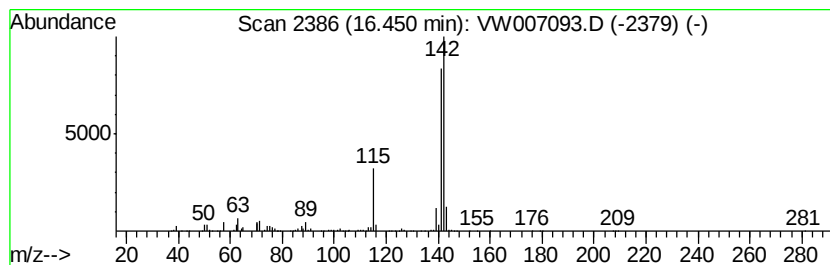
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 16.45 | 20.14 ug/l | 245586 | 1,4-Dichlorobenzene-d4 | 13.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |    | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |    | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 91   |
| 4    |    | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 91   |
| 5    |    | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 64   |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW112718\  
Data File : VW007093.D  
Acq On : 27 Nov 2018 17:36  
Operator : VAY/AP  
Sample : J5996-12  
Misc : 5.66G/5ML/MSVOA\_W/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
AOC1-05-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W112118S.M  
Quant Title : SW846 8260

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Pentane, 2,2,4-tr... | 8.48  | 8.1     | ug/l  | 56713    | 2                     | 8.85  | 350733 | 50.0 |
| Benzene, 1-ethyl-... | 12.87 | 20.8    | ug/l  | 253858   | 4                     | 13.56 | 609744 | 50.0 |
| Benzene, 1-ethyl-... | 13.11 | 7.8     | ug/l  | 95686    | 4                     | 13.56 | 609744 | 50.0 |
| Benzene, 1-etheny... | 13.76 | 12.1    | ug/l  | 148083   | 4                     | 13.56 | 609744 | 50.0 |
| o-Cymene             | 14.10 | 7.9     | ug/l  | 96074    | 4                     | 13.56 | 609744 | 50.0 |
| Benzene, 1-etheny... | 14.69 | 7.3     | ug/l  | 89597    | 4                     | 13.56 | 609744 | 50.0 |
| Benzene, 2-etheny... | 14.82 | 14.4    | ug/l  | 175399   | 4                     | 13.56 | 609744 | 50.0 |
| Naphthalene, 1-me... | 16.45 | 20.1    | ug/l  | 245586   | 4                     | 13.56 | 609744 | 50.0 |