

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081525\  
 Data File : VY023128.D  
 Acq On : 15 Aug 2025 16:21  
 Operator : SY/MD  
 Sample : Q2844-02  
 Misc : 5.25g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MOO-25-0224-0225

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\_Y\methods\82Y081225S.M  
 Title : SW846 8260

Signal : TIC: VY023128.D\data.ms

| 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         | 2.166       | 69            | 73          | 78           | rBV      | 14679          | 21800         | 1.03%           | 0.115%        |
| 2         | 4.610       | 464           | 474         | 482          | rBV4     | 13681          | 41576         | 1.97%           | 0.219%        |
| 3         | 4.854       | 504           | 514         | 526          | rBV5     | 10488          | 42713         | 2.02%           | 0.225%        |
| 4         | 5.634       | 631           | 642         | 650          | rBV3     | 14673          | 44272         | 2.09%           | 0.233%        |
| 5         | 7.628       | 956           | 969         | 975          | rBV      | 308549         | 734958        | 34.76%          | 3.870%        |
| 6         | 7.707       | 975           | 982         | 995          | rVB      | 455888         | 1064001       | 50.32%          | 5.603%        |
| 7         | 8.055       | 1029          | 1039        | 1054         | rBV      | 277137         | 630192        | 29.81%          | 3.318%        |
| 8         | 8.610       | 1117          | 1130        | 1145         | rBV      | 778013         | 1555518       | 73.57%          | 8.191%        |
| 9         | 10.103      | 1367          | 1375        | 1383         | rBV      | 1258883        | 2114336       | 100.00%         | 11.133%       |
| 10        | 11.414      | 1582          | 1590        | 1602         | rBV      | 1114080        | 1810375       | 85.62%          | 9.533%        |
| 11        | 11.621      | 1615          | 1624        | 1630         | rBV      | 20145          | 39080         | 1.85%           | 0.206%        |
| 12        | 11.950      | 1671          | 1678        | 1687         | rVB3     | 12864          | 27551         | 1.30%           | 0.145%        |
| 13        | 12.255      | 1719          | 1728        | 1736         | rBV      | 596124         | 934913        | 44.22%          | 4.923%        |
| 14        | 12.402      | 1743          | 1752        | 1759         | rBV      | 826602         | 1267058       | 59.93%          | 6.672%        |
| 15        | 12.499      | 1764          | 1768        | 1775         | rVB      | 62357          | 107580        | 5.09%           | 0.566%        |
| 16        | 12.749      | 1801          | 1809        | 1813         | rVV6     | 15467          | 39801         | 1.88%           | 0.210%        |
| 17        | 12.810      | 1813          | 1819        | 1826         | rVB      | 68473          | 114029        | 5.39%           | 0.600%        |
| 18        | 13.036      | 1851          | 1856        | 1861         | rBV2     | 23566          | 41075         | 1.94%           | 0.216%        |
| 19        | 13.255      | 1881          | 1892        | 1900         | rBV4     | 65647          | 137268        | 6.49%           | 0.723%        |
| 20        | 13.340      | 1900          | 1906        | 1915         | rVV      | 872547         | 1339057       | 63.33%          | 7.051%        |
| 21        | 13.663      | 1953          | 1959        | 1964         | rBV3     | 52570          | 95755         | 4.53%           | 0.504%        |
| 22        | 13.792      | 1977          | 1980        | 1984         | rBV4     | 18194          | 27603         | 1.31%           | 0.145%        |
| 23        | 13.828      | 1984          | 1986        | 1991         | rVV4     | 21866          | 30832         | 1.46%           | 0.162%        |
| 24        | 13.883      | 1991          | 1995        | 2000         | rVB2     | 51422          | 77327         | 3.66%           | 0.407%        |
| 25        | 13.993      | 2008          | 2013        | 2018         | rBV3     | 65740          | 115682        | 5.47%           | 0.609%        |
| 26        | 14.048      | 2018          | 2022        | 2029         | rBV8     | 23702          | 63093         | 2.98%           | 0.332%        |
| 27        | 14.127      | 2029          | 2035        | 2037         | rBV5     | 30851          | 64025         | 3.03%           | 0.337%        |
| 28        | 14.169      | 2038          | 2042        | 2044         | rBV3     | 72504          | 109148        | 5.16%           | 0.575%        |
| 29        | 14.298      | 2058          | 2063        | 2066         | rBV2     | 60255          | 104398        | 4.94%           | 0.550%        |
| 30        | 14.334      | 2066          | 2069        | 2072         | rVV2     | 74468          | 100443        | 4.75%           | 0.529%        |
| 31        | 14.389      | 2074          | 2078        | 2083         | rVB6     | 48470          | 91446         | 4.33%           | 0.482%        |
| 32        | 14.523      | 2097          | 2100        | 2105         | rVB3     | 126326         | 172590        | 8.16%           | 0.909%        |
| 33        | 14.590      | 2105          | 2111        | 2116         | rBV5     | 198954         | 444446        | 21.02%          | 2.340%        |
| 34        | 14.645      | 2116          | 2120        | 2126         | rVB3     | 168947         | 286927        | 13.57%          | 1.511%        |
| 35        | 14.749      | 2132          | 2137        | 2141         | rBV2     | 228921         | 433520        | 20.50%          | 2.283%        |
| 36        | 14.852      | 2149          | 2154        | 2157         | rBV5     | 178381         | 257033        | 12.16%          | 1.353%        |

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Sample : Q2844-02  
Misc : 5.25g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MOO-25-0224-0225

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\_Y\methods\82Y081225S.M  
Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 14.962 | 2166 | 2172 | 2176 | rBV4 | 135511 | 297300 | 14.06% | 1.565% |
| 38 | 15.114 | 2191 | 2197 | 2201 | rBV7 | 98212  | 257614 | 12.18% | 1.357% |
| 39 | 15.194 | 2207 | 2210 | 2214 | rVB2 | 176746 | 247001 | 11.68% | 1.301% |
| 40 | 15.267 | 2215 | 2222 | 2230 | rVB8 | 243014 | 882992 | 41.76% | 4.650% |
| 41 | 15.340 | 2230 | 2234 | 2239 | rBV5 | 142369 | 260168 | 12.30% | 1.370% |
| 42 | 15.620 | 2276 | 2280 | 2287 | rVB3 | 372665 | 627689 | 29.69% | 3.305% |
| 43 | 15.919 | 2325 | 2329 | 2337 | rVB3 | 330766 | 633231 | 29.95% | 3.334% |
| 44 | 16.108 | 2355 | 2360 | 2366 | rBV3 | 339478 | 725098 | 34.29% | 3.818% |
| 45 | 16.352 | 2396 | 2400 | 2408 | rBV7 | 230159 | 478268 | 22.62% | 2.518% |

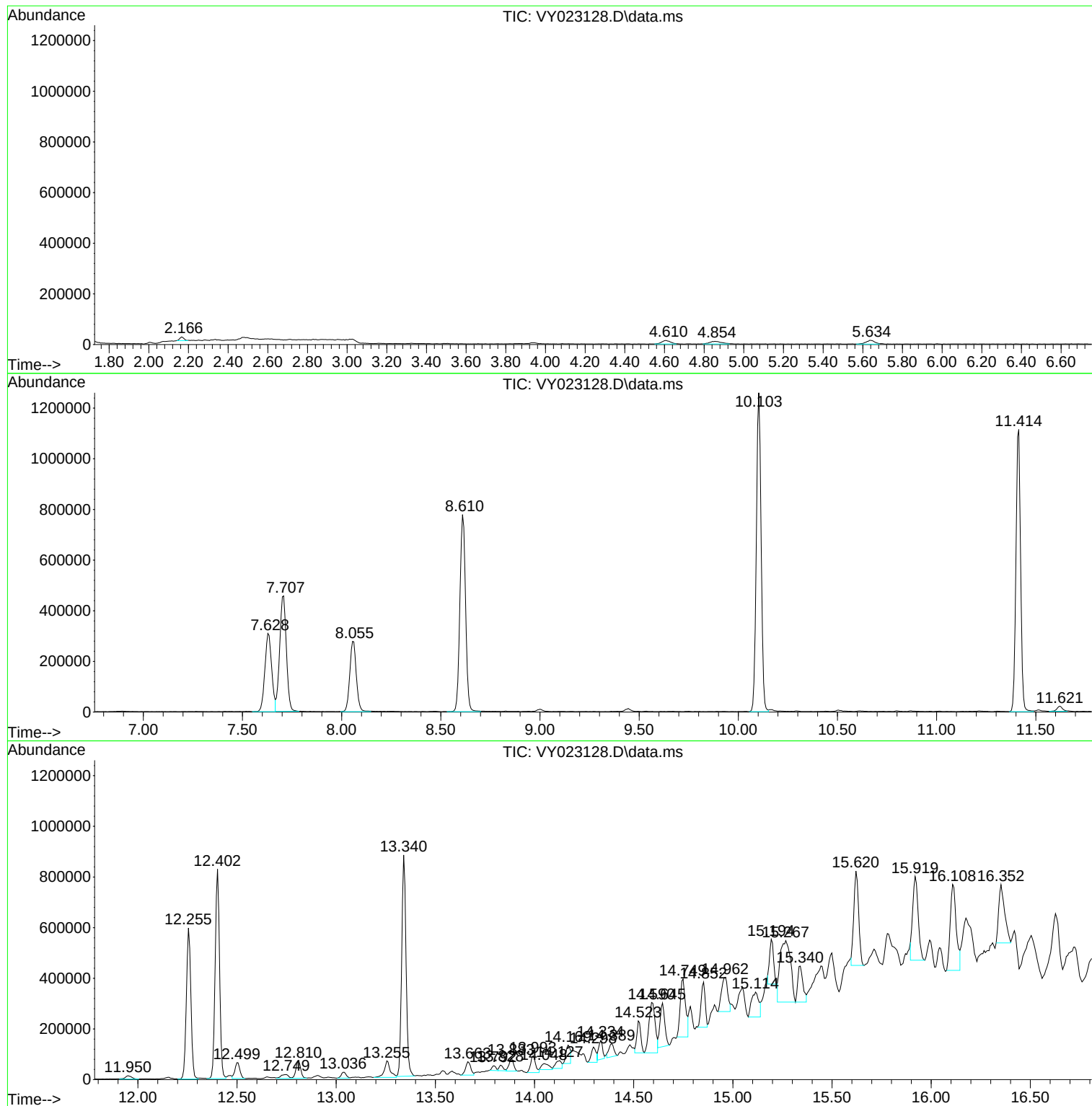
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Instrument :  
MSVOA\_Y  
ClientSampleId :  
MOO-25-0224-0225

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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Data File : VY023128.D  
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Sample : Q2844-02  
Misc : 5.25g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MOO-25-0224-0225

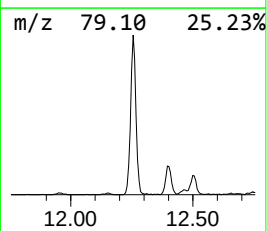
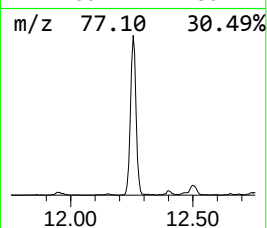
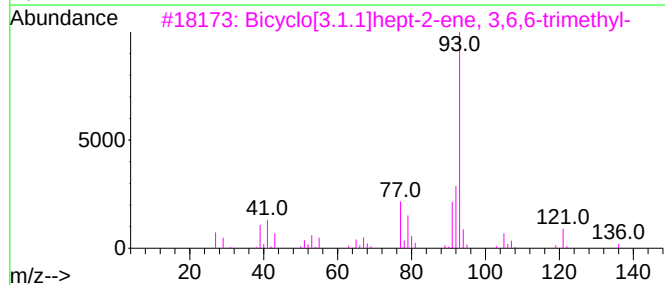
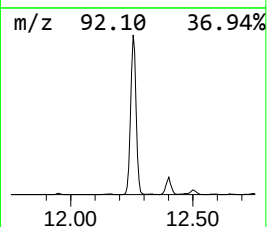
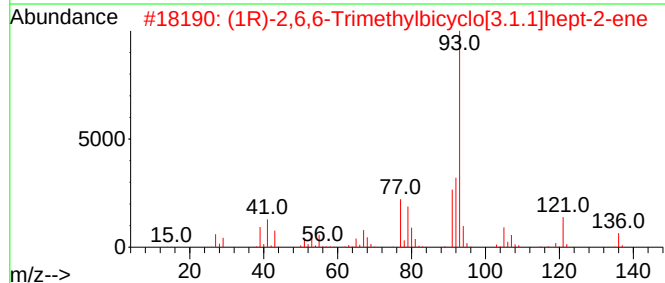
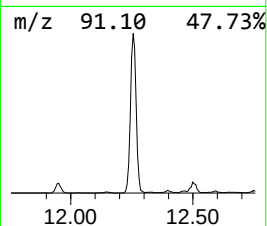
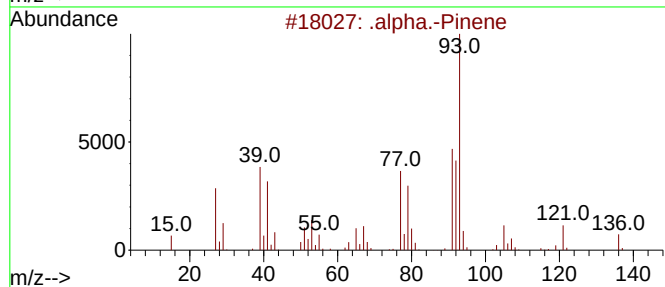
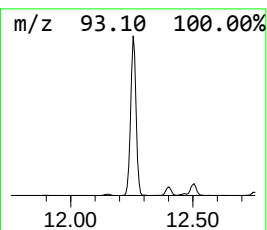
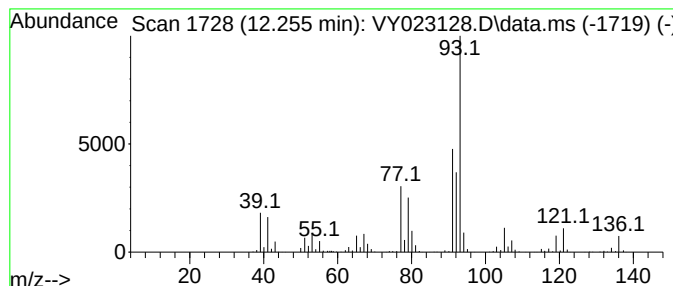
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 .alpha.-Pinene Concentration Rank 3

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 12.255    | 25.82 ug/l                          | 934913 | Chlorobenzene-d5 | 11.414      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | .alpha.-Pinene                      | 136    | C10H16           | 000080-56-8 | 95   |
| 2         | (1R)-2,6,6-Trimethylbicyclo[3.1...  | 136    | C10H16           | 007785-70-8 | 94   |
| 3         | Bicyclo[3.1.1]hept-2-ene, 3,6,6-... | 136    | C10H16           | 004889-83-2 | 91   |
| 4         | .gamma.-Terpinene                   | 136    | C10H16           | 000099-85-4 | 91   |
| 5         | (1S)-2,6,6-Trimethylbicyclo[3.1...  | 136    | C10H16           | 007785-26-4 | 90   |



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
MOO-25-0224-0225

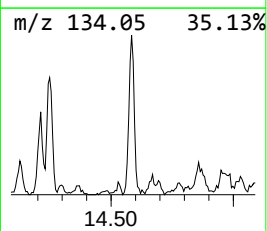
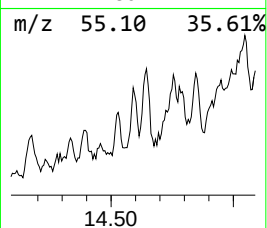
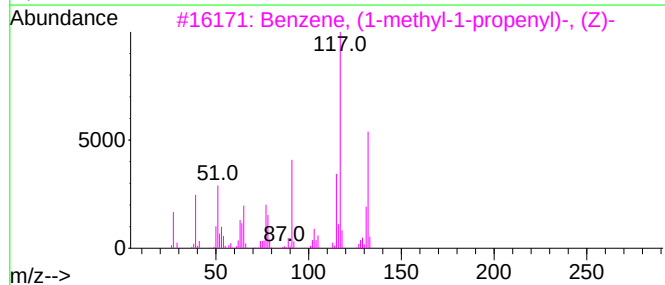
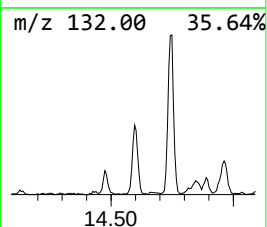
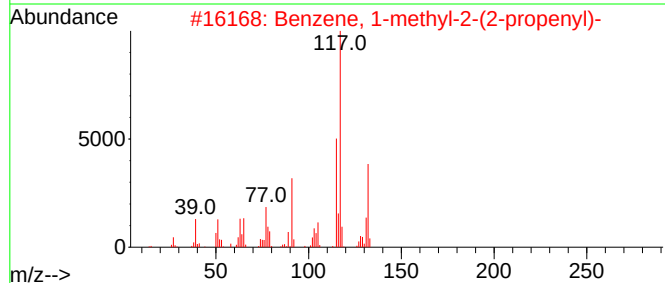
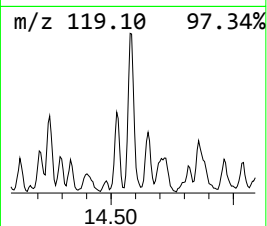
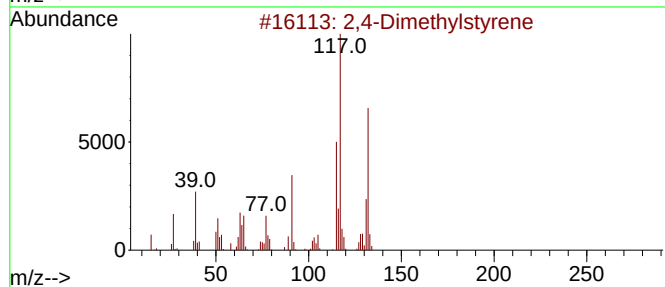
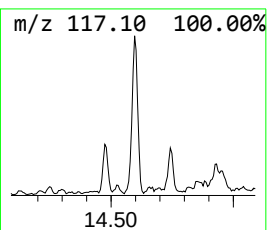
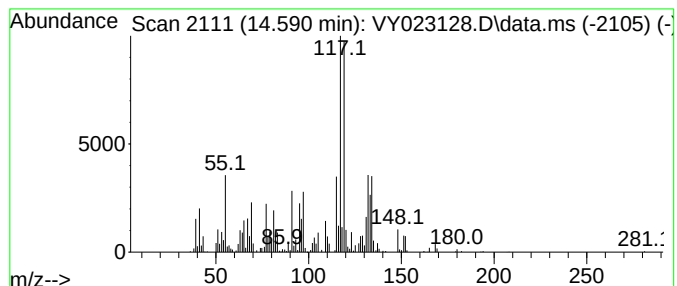
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 2,4-Dimethylstyrene Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.590 | 16.60 ug/l | 444446 | 1,4-Dichlorobenzene-d4 | 13.340 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | 2,4-Dimethylstyrene                 | 132 | C10H12  | 002234-20-0 | 56   |
| 2    |      | Benzene, 1-methyl-2-(2-propenyl)-   | 132 | C10H12  | 001587-04-8 | 47   |
| 3    |      | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000767-99-7 | 42   |
| 4    |      | 1-Methyl-2-phenylcyclopropane       | 132 | C10H12  | 003145-76-4 | 42   |
| 5    |      | (E)-1-Phenyl-1-butene               | 132 | C10H12  | 001005-64-7 | 38   |



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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MOO-25-0224-0225

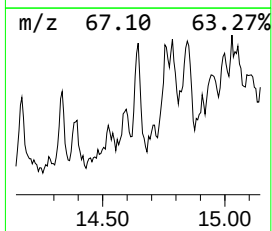
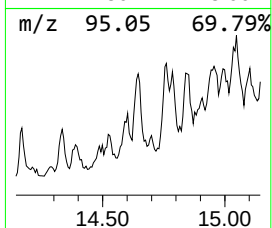
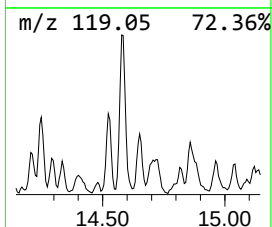
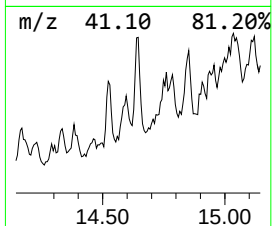
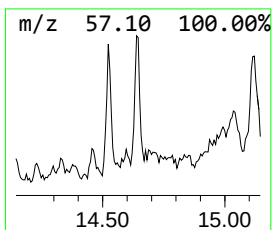
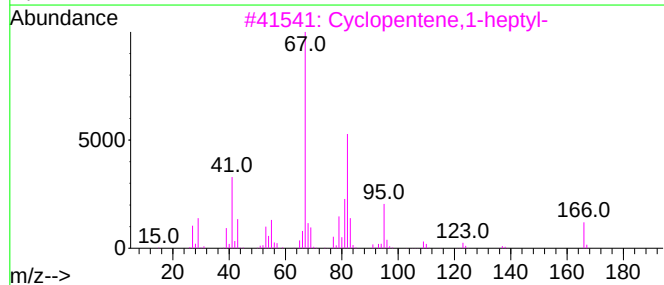
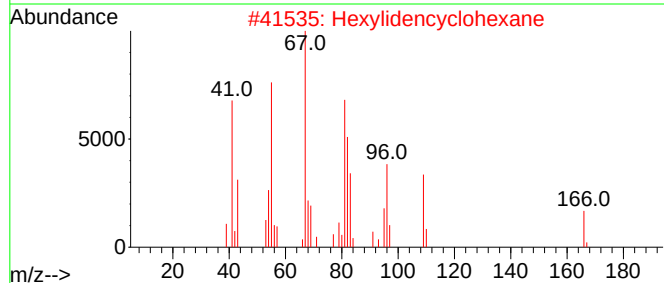
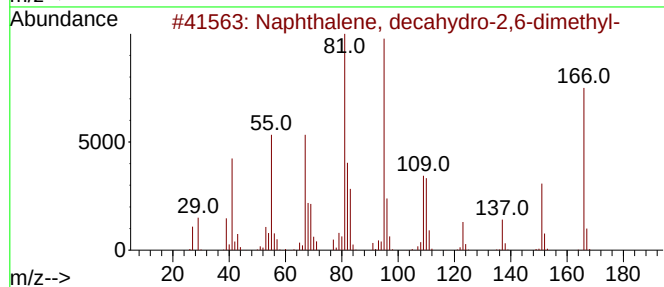
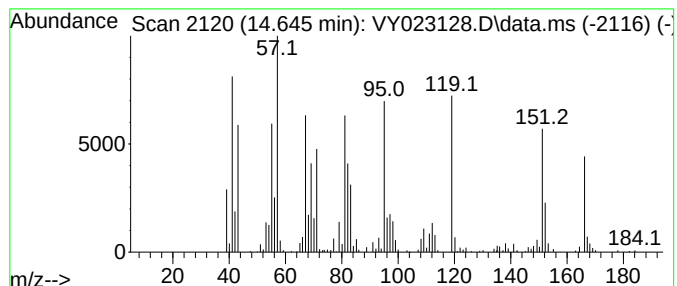
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown14.645 Concentration Rank 10

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.645 | 10.71 ug/l | 286927 | 1,4-Dichlorobenzene-d4 | 13.340 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, decahydro-2,6-dimet... | 166 | C12H22  | 001618-22-0 | 38   |
| 2    |    |   | Hexylidencyclohexane                | 166 | C12H22  | 010201-62-4 | 30   |
| 3    |    |   | Cyclopentene,1-heptyl-              | 166 | C12H22  | 004292-00-6 | 27   |
| 4    |    |   | 1-Tetradecyne                       | 194 | C14H26  | 000765-10-6 | 25   |
| 5    |    |   | 6-Dodecenol                         | 184 | C12H24O | 052957-14-9 | 25   |



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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MOO-25-0224-0225

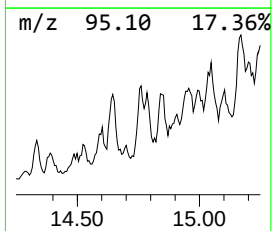
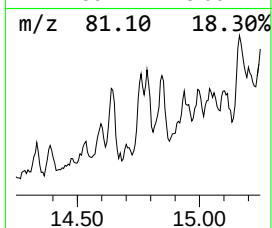
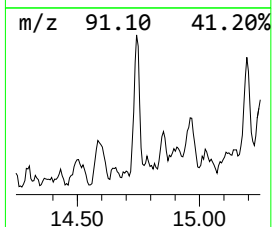
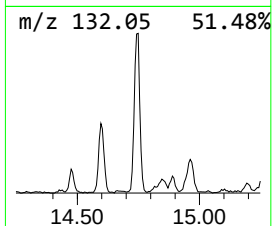
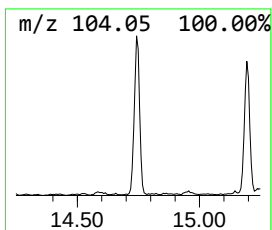
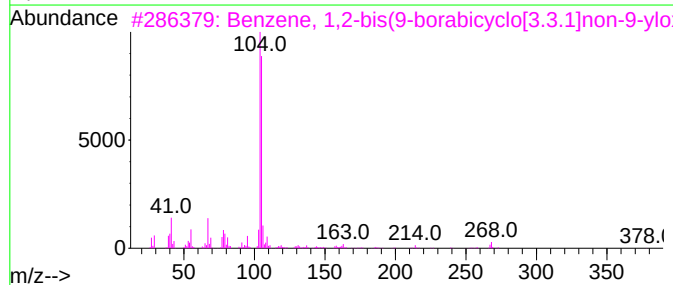
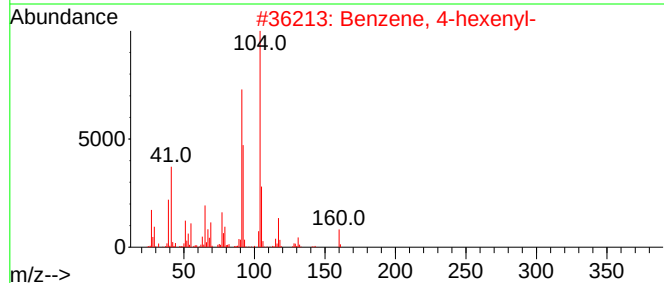
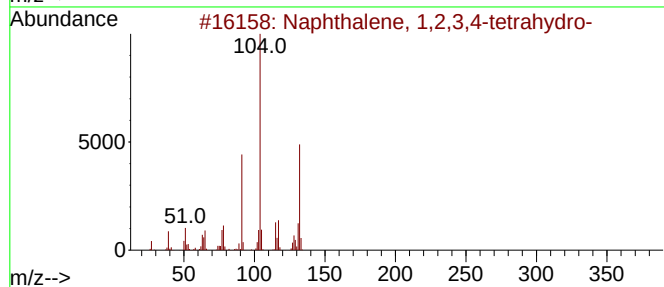
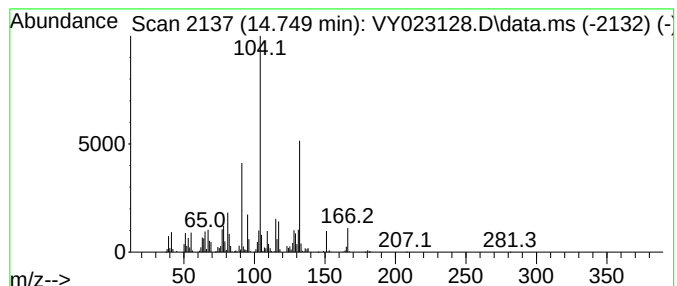
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.749 | 16.19 ug/l | 433520 | 1,4-Dichlorobenzene-d4 | 13.340 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm    | CAS#         | Qual |
|------|----|---|--------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-     | 132 | C10H12     | 000119-64-2  | 95   |
| 2    |    |   | Benzene, 4-hexenyl-                  | 160 | C12H16     | 023086-43-3  | 43   |
| 3    |    |   | Benzene, 1,2-bis(9-borabicyclo[3...] | 378 | C24H36B2O2 | 1000159-64-2 | 38   |
| 4    |    |   | Benzene, 3-cyclohexen-1-yl-          | 158 | C12H14     | 004994-16-5  | 38   |
| 5    |    |   | Pyrimidine-2,4,6(1H,3H,5H)-trion...  | 232 | C12H12N2O3 | 251468-79-8  | 35   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081525\  
Data File : VY023128.D  
Acq On : 15 Aug 2025 16:21  
Operator : SY/MD  
Sample : Q2844-02  
Misc : 5.25g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MOO-25-0224-0225

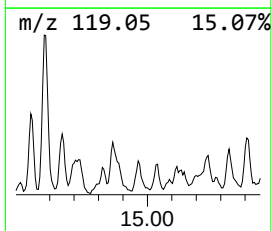
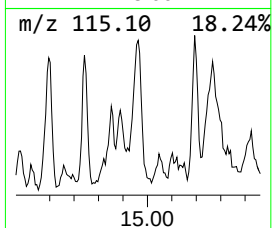
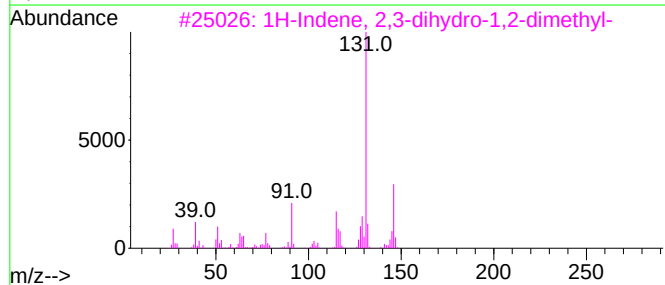
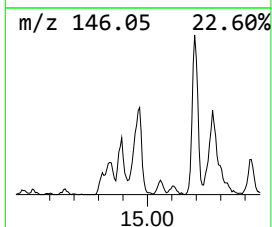
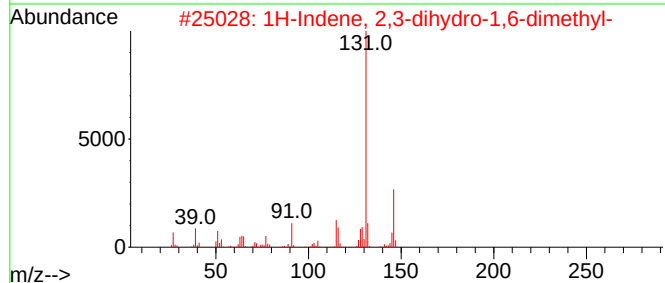
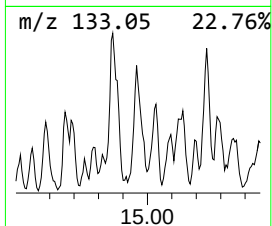
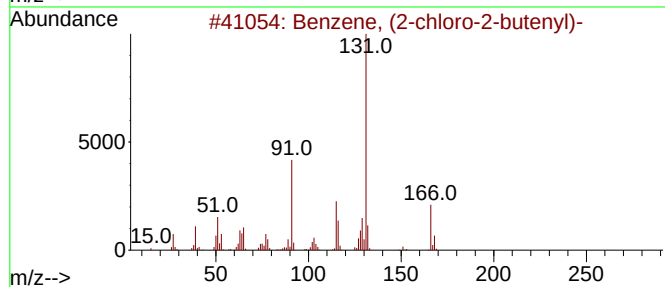
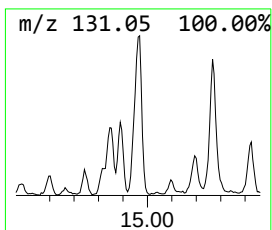
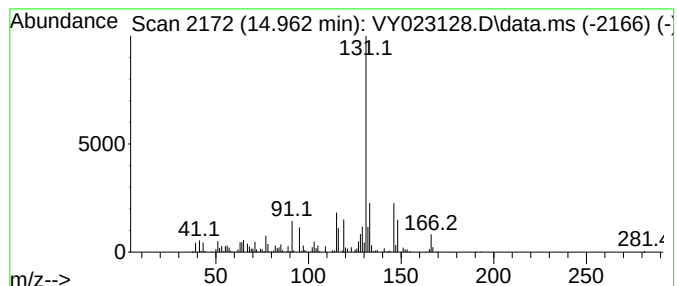
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Benzene, (2-chloro-2-butenyl)- Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.962 | 11.10 ug/l | 297300 | 1,4-Dichlorobenzene-d4 | 13.340 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzene, (2-chloro-2-butenyl)-      | 166 | C10H11Cl | 054411-12-0 | 78   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14   | 017059-48-2 | 70   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14   | 017057-82-8 | 70   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14   | 004175-53-5 | 70   |
| 5    |    |   | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14   | 004489-84-3 | 70   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081525\  
Data File : VY023128.D  
Acq On : 15 Aug 2025 16:21  
Operator : SY/MD  
Sample : Q2844-02  
Misc : 5.25g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MOO-25-0224-0225

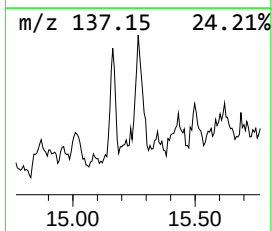
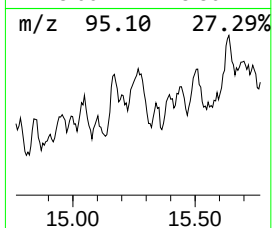
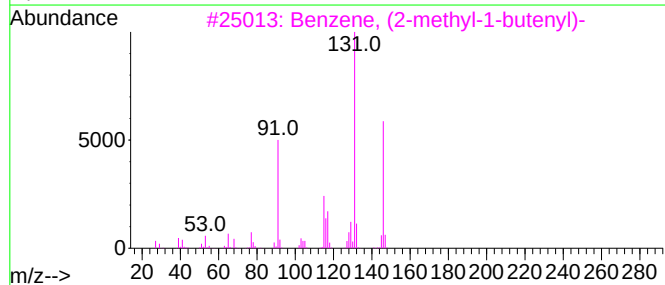
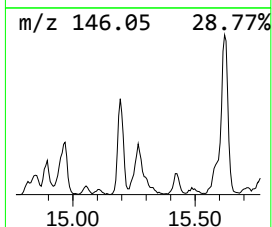
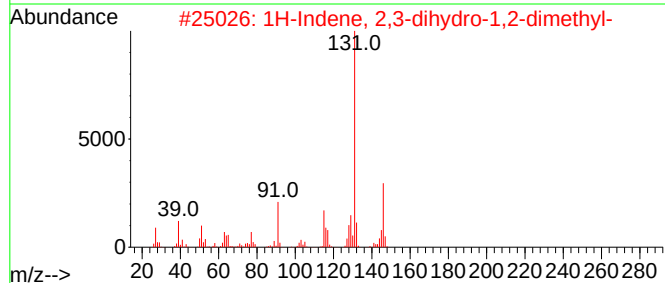
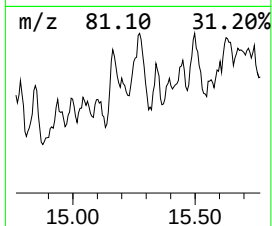
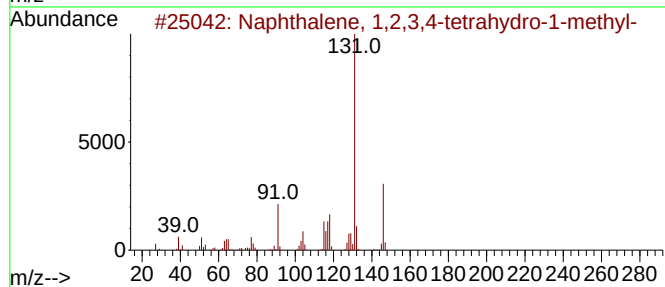
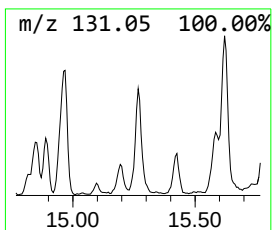
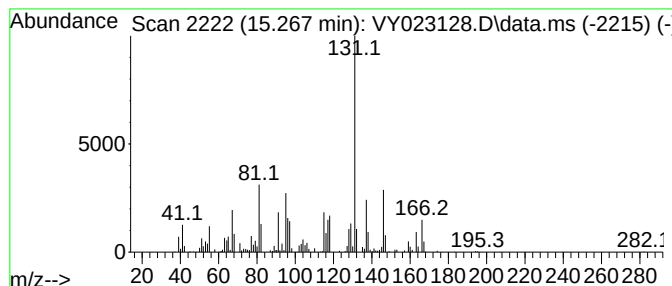
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.267 | 32.97 ug/l | 882992 | 1,4-Dichlorobenzene-d4 | 13.340 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 001559-81-5 | 90   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14   | 017057-82-8 | 64   |
| 3    |    |   | Benzene, (2-methyl-1-butenyl)-      | 146 | C11H14   | 056253-64-6 | 58   |
| 4    |    |   | Benzene, 1-methyl-2-(1-methyl-2-... | 146 | C11H14   | 097664-19-2 | 58   |
| 5    |    |   | 2-Butene, 3-chloro-1-phenyl-, (Z)-  | 166 | C10H11Cl | 016608-68-7 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081525\  
Data File : VY023128.D  
Acq On : 15 Aug 2025 16:21  
Operator : SY/MD  
Sample : Q2844-02  
Misc : 5.25g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MOO-25-0224-0225

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
Quant Title : SW846 8260

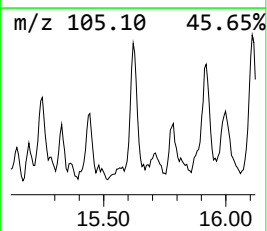
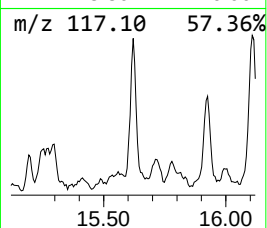
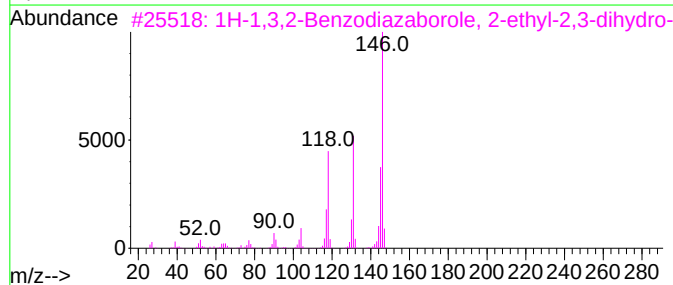
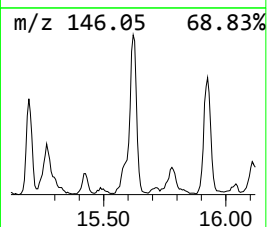
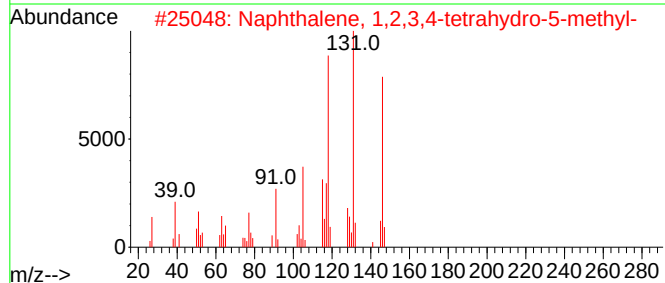
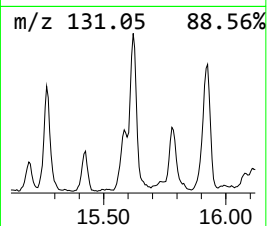
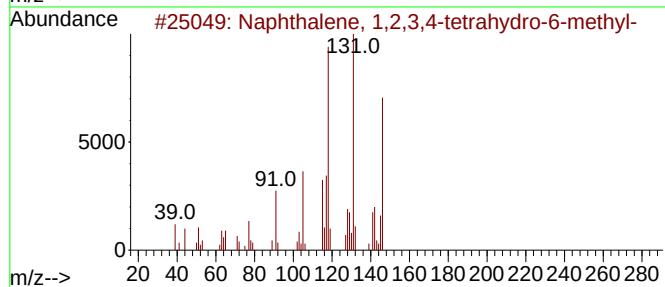
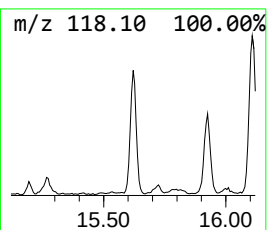
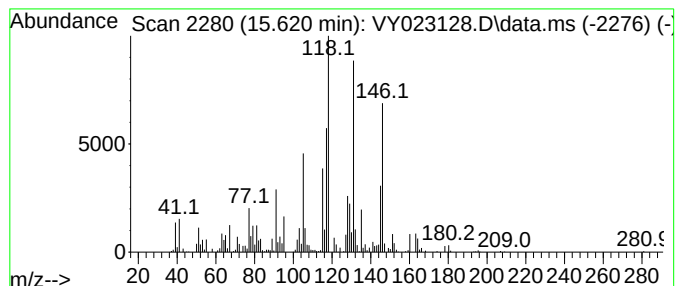
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.621 | 23.44 ug/l | 627689 | 1,4-Dichlorobenzene-d4 | 13.340 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 001680-51-9 | 90   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 002809-64-5 | 68   |
| 3    |    |   | 1H-1,3,2-Benzodiazaborole, 2-eth... | 146 | C8H11BN2 | 074663-81-3 | 64   |
| 4    |    |   | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14   | 000769-25-5 | 53   |
| 5    |    |   | 2-Propyn-1-ol, 3-(4-methylphenyl)-  | 146 | C10H10O  | 016017-24-6 | 52   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081525\  
Data File : VY023128.D  
Acq On : 15 Aug 2025 16:21  
Operator : SY/MD  
Sample : Q2844-02  
Misc : 5.25g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MOO-25-0224-0225

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
Quant Title : SW846 8260

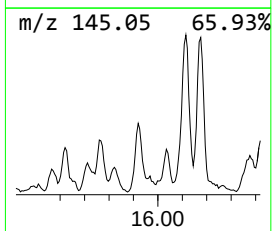
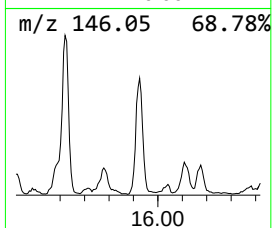
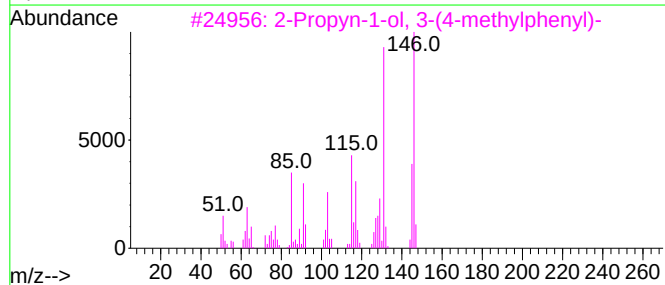
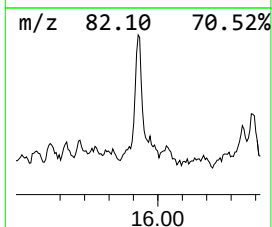
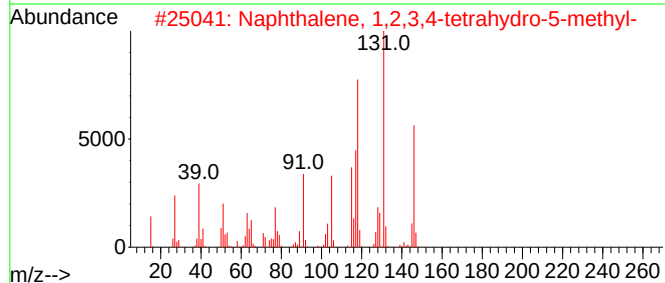
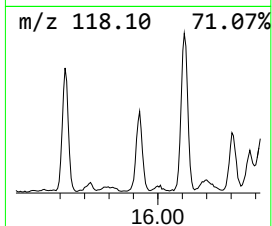
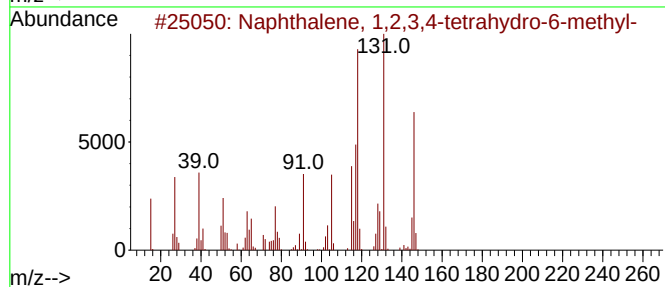
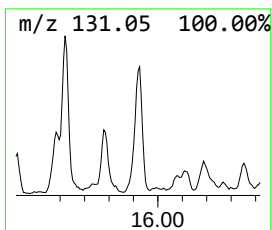
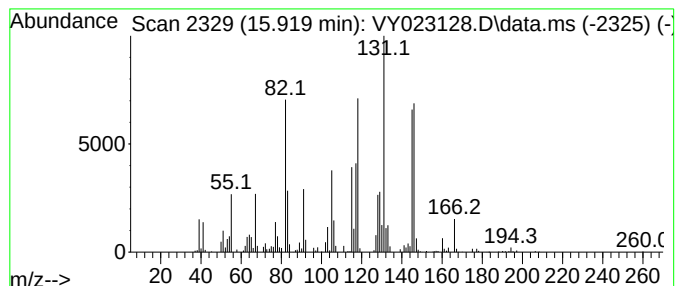
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.919 | 23.64 ug/l | 633231 | 1,4-Dichlorobenzene-d4 | 13.340 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 001680-51-9 | 86   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 002809-64-5 | 86   |
| 3    |    |   | 2-Propyn-1-ol, 3-(4-methylphenyl)-  | 146 | C10H10O  | 016017-24-6 | 58   |
| 4    |    |   | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14   | 000769-25-5 | 49   |
| 5    |    |   | 1H-1,3,2-Benzodiazaborole, 2-eth... | 146 | C8H11BN2 | 074663-81-3 | 49   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081525\  
Data File : VY023128.D  
Acq On : 15 Aug 2025 16:21  
Operator : SY/MD  
Sample : Q2844-02  
Misc : 5.25g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MOO-25-0224-0225

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
Quant Title : SW846 8260

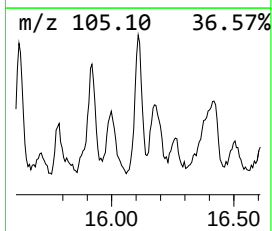
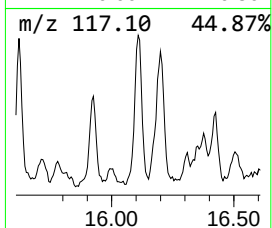
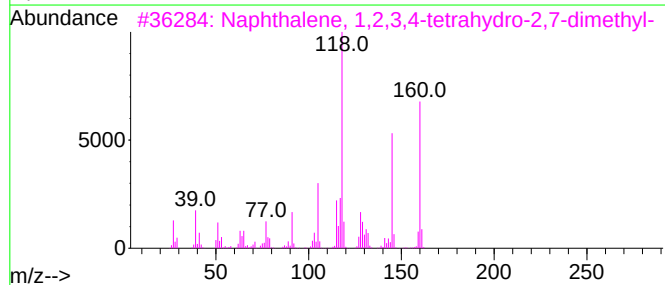
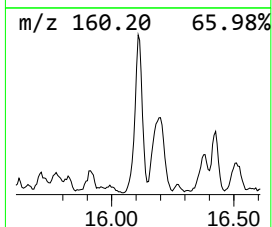
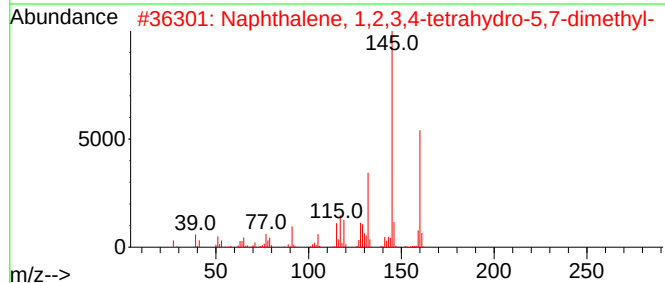
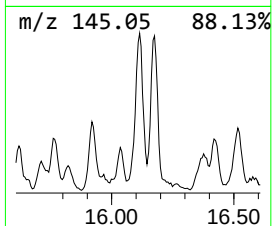
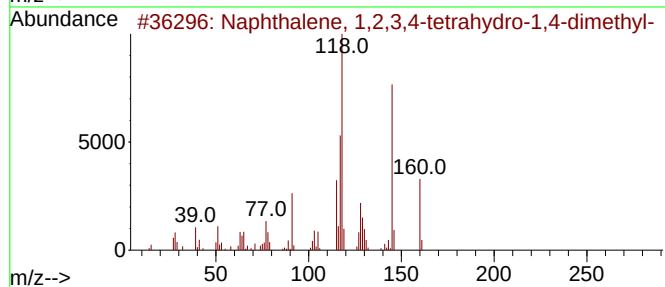
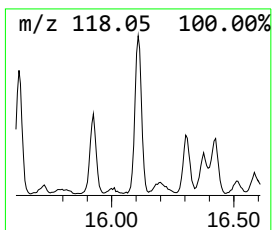
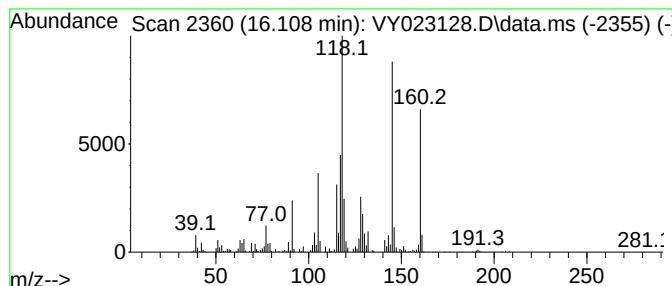
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 Naphthalene, 1,2,3,4-tetra... Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.108 | 27.07 ug/l | 725098 | 1,4-Dichlorobenzene-d4 | 13.340 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 004175-54-6 | 95   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 021693-54-9 | 83   |
| 3    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 013065-07-1 | 68   |
| 4    |    |   | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16  | 014679-13-1 | 64   |
| 5    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 001076-61-5 | 60   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081525\  
Data File : VY023128.D  
Acq On : 15 Aug 2025 16:21  
Operator : SY/MD  
Sample : Q2844-02  
Misc : 5.25g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MOO-25-0224-0225

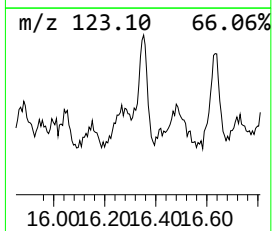
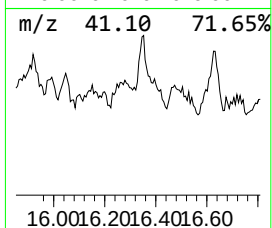
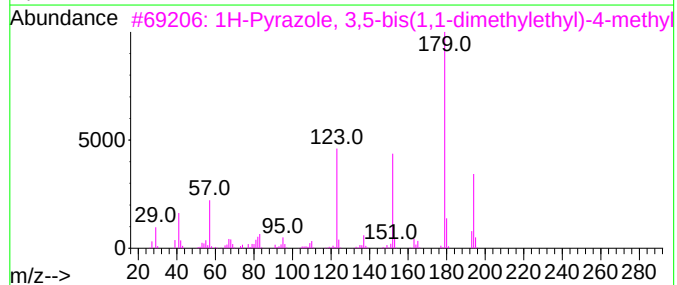
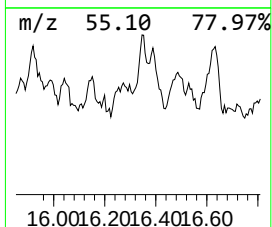
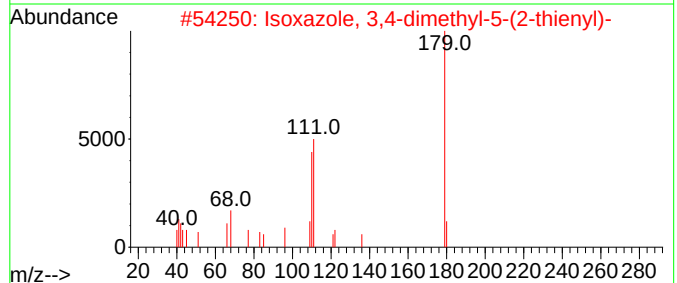
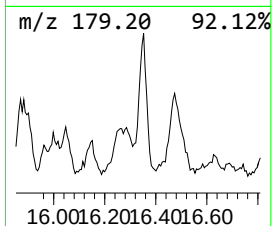
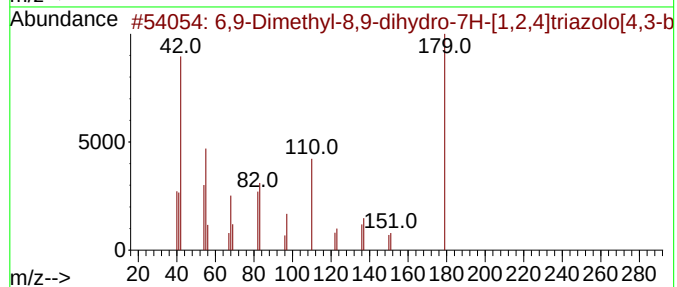
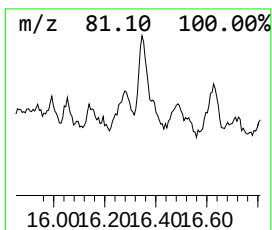
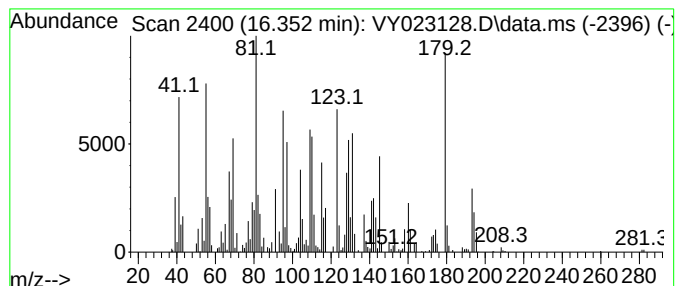
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 unknown16.352 Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.352 | 17.86 ug/l | 478268 | 1,4-Dichlorobenzene-d4 | 13.340 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 6,9-Dimethyl-8,9-dihydro-7H-[1,2... | 179 | C7H9N5O      | 959247-63-3 | 18      |      |      |
| 2    | Isoxazole, 3,4-dimethyl-5-(2-thi... | 179 | C9H9NOS      | 056421-65-9 | 14      |      |      |
| 3    | 1H-Pyrazole, 3,5-bis(1,1-dimethy... | 194 | C12H22N2     | 018712-47-5 | 14      |      |      |
| 4    | 4-Isopropylphenoxyacetic acid       | 194 | C11H14O3     | 001643-16-9 | 11      |      |      |
| 5    | 2,6-Heptadienal, 2,4-dimethyl-      | 138 | C9H14O       | 085136-08-9 | 11      |      |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081525\  
Data File : VY023128.D  
Acq On : 15 Aug 2025 16:21  
Operator : SY/MD  
Sample : Q2844-02  
Misc : 5.25g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MOO-25-0224-0225

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| .alpha.-Pinene     | 12.255 | 25.8    | ug/l  | 934913   | 3                     | 11.414 | 1810380 | 50.0 |
| 2,4-Dimethylsty... | 14.590 | 16.6    | ug/l  | 444446   | 4                     | 13.340 | 1339060 | 50.0 |
| unknown14.645      | 14.645 | 10.7    | ug/l  | 286927   | 4                     | 13.340 | 1339060 | 50.0 |
| Naphthalene, 1,... | 14.749 | 16.2    | ug/l  | 433520   | 4                     | 13.340 | 1339060 | 50.0 |
| Benzene, (2-chl... | 14.962 | 11.1    | ug/l  | 297300   | 4                     | 13.340 | 1339060 | 50.0 |
| Naphthalene, 1,... | 15.267 | 33.0    | ug/l  | 882992   | 4                     | 13.340 | 1339060 | 50.0 |
| Naphthalene, 1,... | 15.621 | 23.4    | ug/l  | 627689   | 4                     | 13.340 | 1339060 | 50.0 |
| Naphthalene, 1,... | 15.919 | 23.6    | ug/l  | 633231   | 4                     | 13.340 | 1339060 | 50.0 |
| Naphthalene, 1,... | 16.108 | 27.1    | ug/l  | 725098   | 4                     | 13.340 | 1339060 | 50.0 |
| unknown16.352      | 16.352 | 17.9    | ug/l  | 478268   | 4                     | 13.340 | 1339060 | 50.0 |