

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062525\  
 Data File : VY022818.D  
 Acq On : 25 Jun 2025 12:35  
 Operator : SY/MD  
 Sample : Q2355-03  
 Misc : 3.55g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 20071

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\82Y062325S.M  
 Title : SW846 8260

Signal : TIC: VY022818.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       | 68            | 73          | 83           | rBV      | 104194         | 180598        | 1.01%           | 0.289%        |
| 2         | 7.628       | 960           | 969         | 975          | rBV      | 183946         | 455768        | 2.56%           | 0.730%        |
| 3         | 7.707       | 975           | 982         | 992          | rVB      | 352573         | 816679        | 4.59%           | 1.308%        |
| 4         | 8.061       | 1031          | 1040        | 1052         | rBV      | 161928         | 374989        | 2.11%           | 0.601%        |
| 5         | 8.609       | 1122          | 1130        | 1141         | rBV      | 495672         | 974256        | 5.47%           | 1.561%        |
| 6         | 10.103      | 1367          | 1375        | 1381         | rBV      | 484193         | 854132        | 4.80%           | 1.368%        |
| 7         | 10.298      | 1399          | 1407        | 1412         | rVB      | 210064         | 349932        | 1.97%           | 0.561%        |
| 8         | 10.859      | 1486          | 1499        | 1508         | rBV      | 331753         | 575693        | 3.23%           | 0.922%        |
| 9         | 11.146      | 1530          | 1546        | 1548         | rBV6     | 71012          | 247036        | 1.39%           | 0.396%        |
| 10        | 11.207      | 1550          | 1556        | 1567         | rVV2     | 353738         | 954391        | 5.36%           | 1.529%        |
| 11        | 11.304      | 1567          | 1572        | 1584         | rVV2     | 214294         | 552947        | 3.11%           | 0.886%        |
| 12        | 11.414      | 1584          | 1590        | 1602         | rVB      | 283549         | 514090        | 2.89%           | 0.824%        |
| 13        | 11.633      | 1620          | 1626        | 1634         | rVB      | 466734         | 722550        | 4.06%           | 1.158%        |
| 14        | 11.895      | 1648          | 1669        | 1670         | rBV3     | 187804         | 572180        | 3.22%           | 0.917%        |
| 15        | 12.255      | 1722          | 1728        | 1733         | rBV      | 246314         | 401898        | 2.26%           | 0.644%        |
| 16        | 12.334      | 1733          | 1741        | 1742         | rBV2     | 156717         | 289323        | 1.63%           | 0.464%        |
| 17        | 12.365      | 1742          | 1746        | 1749         | rVB      | 261497         | 359320        | 2.02%           | 0.576%        |
| 18        | 12.414      | 1749          | 1754        | 1757         | rBV2     | 363183         | 625417        | 3.51%           | 1.002%        |
| 19        | 12.444      | 1757          | 1759        | 1764         | rVB      | 205847         | 233586        | 1.31%           | 0.374%        |
| 20        | 12.590      | 1771          | 1783        | 1796         | rVB2     | 545250         | 2264393       | 12.72%          | 3.628%        |
| 21        | 12.725      | 1796          | 1805        | 1809         | rBV      | 665366         | 1170232       | 6.58%           | 1.875%        |
| 22        | 13.237      | 1882          | 1889        | 1892         | rBV5     | 119459         | 280757        | 1.58%           | 0.450%        |
| 23        | 13.279      | 1892          | 1896        | 1899         | rVV2     | 268546         | 439581        | 2.47%           | 0.704%        |
| 24        | 13.316      | 1899          | 1902        | 1904         | rVV      | 181408         | 259641        | 1.46%           | 0.416%        |
| 25        | 13.346      | 1904          | 1907        | 1914         | rVV3     | 374473         | 792168        | 4.45%           | 1.269%        |
| 26        | 13.420      | 1915          | 1919        | 1932         | rVB7     | 315091         | 809638        | 4.55%           | 1.297%        |
| 27        | 13.535      | 1934          | 1938        | 1943         | rVB2     | 121682         | 180778        | 1.02%           | 0.290%        |
| 28        | 13.670      | 1953          | 1960        | 1964         | rBV2     | 810187         | 1378481       | 7.75%           | 2.208%        |
| 29        | 13.767      | 1970          | 1976        | 1978         | rBV5     | 124994         | 249369        | 1.40%           | 0.399%        |
| 30        | 13.883      | 1992          | 1995        | 2000         | rVB2     | 216513         | 313007        | 1.76%           | 0.501%        |
| 31        | 13.993      | 2008          | 2013        | 2017         | rBV3     | 424199         | 747433        | 4.20%           | 1.197%        |
| 32        | 14.048      | 2017          | 2022        | 2029         | rBV9     | 251880         | 732748        | 4.12%           | 1.174%        |
| 33        | 14.169      | 2037          | 2042        | 2045         | rBV5     | 720566         | 1339751       | 7.53%           | 2.146%        |
| 34        | 14.297      | 2058          | 2063        | 2066         | rBV3     | 561122         | 958687        | 5.39%           | 1.536%        |
| 35        | 14.334      | 2066          | 2069        | 2073         | rVV2     | 658393         | 953092        | 5.36%           | 1.527%        |
| 36        | 14.389      | 2073          | 2078        | 2083         | rVB6     | 402034         | 731227        | 4.11%           | 1.171%        |

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Instrument :  
MSVOA\_Y  
ClientSampleId :  
20071

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\82Y062325S.M

Title : SW846 8260

|    |        |      |      |      |      |         |          |         |         |
|----|--------|------|------|------|------|---------|----------|---------|---------|
| 37 | 14.529 | 2089 | 2101 | 2109 | rBV  | 5912963 | 17795947 | 100.00% | 28.510% |
| 38 | 14.645 | 2116 | 2120 | 2126 | rVB5 | 1037009 | 1687276  | 9.48%   | 2.703%  |
| 39 | 14.749 | 2132 | 2137 | 2141 | rBV2 | 1136813 | 2154456  | 12.11%  | 3.452%  |
| 40 | 14.852 | 2150 | 2154 | 2158 | rVB3 | 903935  | 1334153  | 7.50%   | 2.137%  |
| 41 | 14.913 | 2158 | 2164 | 2166 | rBV3 | 560634  | 1248644  | 7.02%   | 2.000%  |
| 42 | 15.108 | 2192 | 2196 | 2201 | rBV5 | 415117  | 824596   | 4.63%   | 1.321%  |
| 43 | 15.200 | 2206 | 2211 | 2215 | rBV4 | 1060160 | 2271662  | 12.77%  | 3.639%  |
| 44 | 15.340 | 2230 | 2234 | 2239 | rBV4 | 629442  | 1021187  | 5.74%   | 1.636%  |
| 45 | 15.620 | 2276 | 2280 | 2287 | rVB3 | 1471902 | 2492257  | 14.00%  | 3.993%  |
| 46 | 15.919 | 2324 | 2329 | 2335 | rVB3 | 1244875 | 2403123  | 13.50%  | 3.850%  |
| 47 | 16.108 | 2355 | 2360 | 2366 | rBV  | 1070641 | 2145390  | 12.06%  | 3.437%  |
| 48 | 16.175 | 2367 | 2371 | 2384 | rVB4 | 604679  | 1720069  | 9.67%   | 2.756%  |
| 49 | 16.358 | 2396 | 2401 | 2408 | rBV5 | 664087  | 1666092  | 9.36%   | 2.669%  |

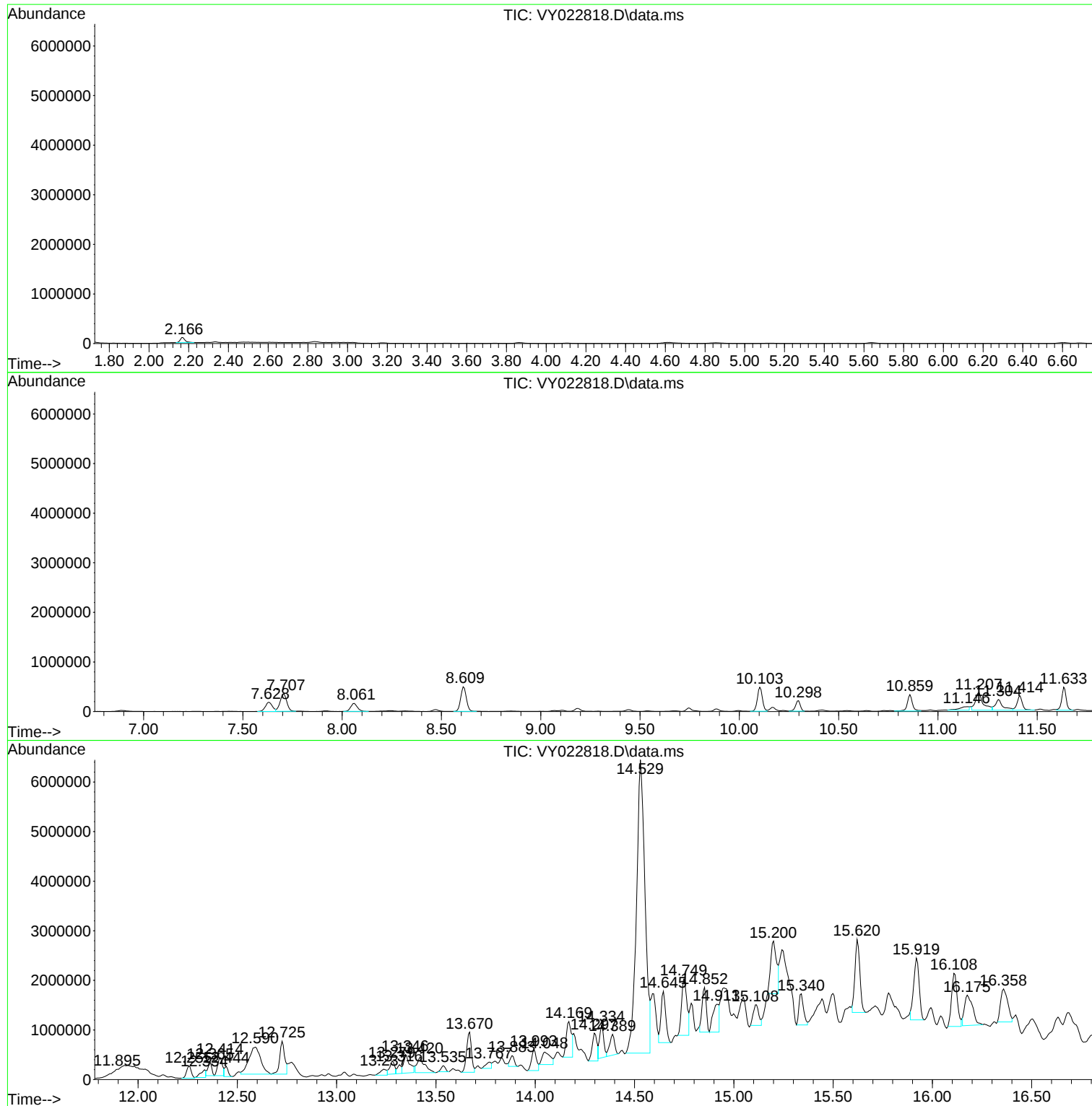
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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20071

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062325S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062525\  
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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20071

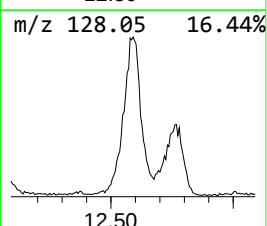
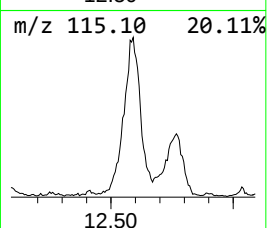
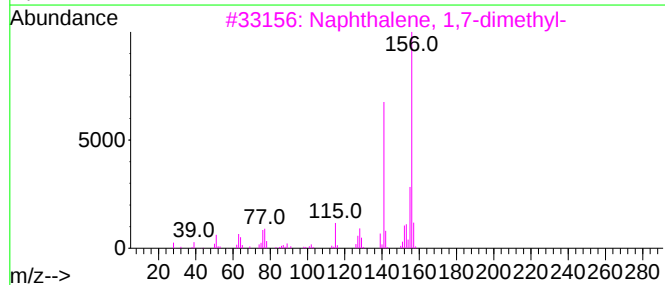
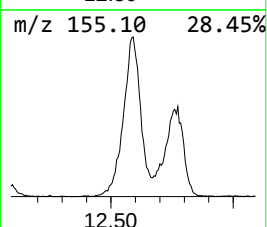
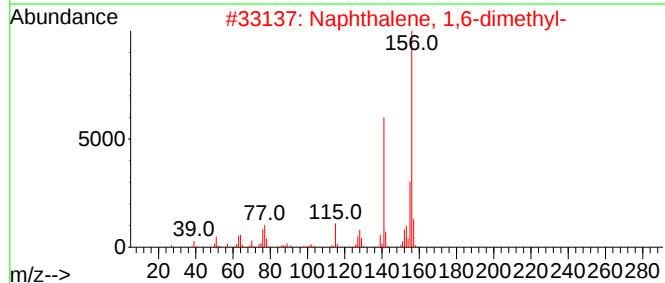
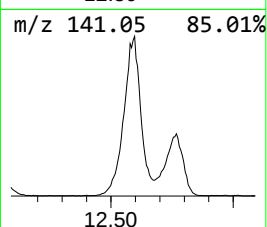
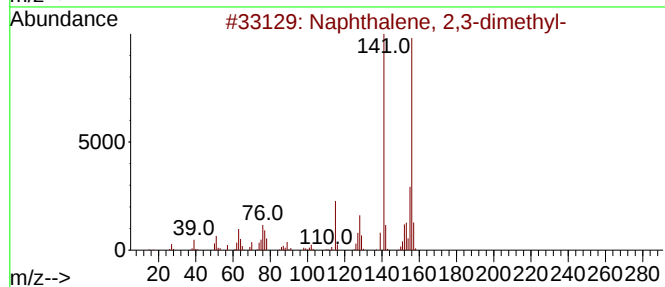
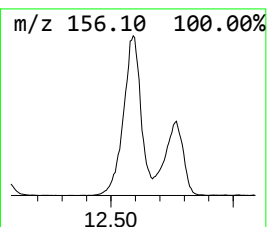
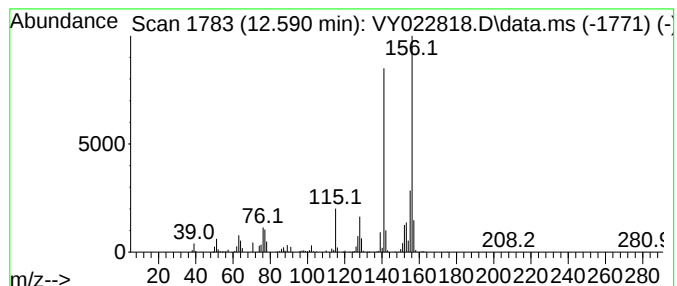
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062325S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 5

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 12.591 | 142.92 ug/l | 2264390 | 1,4-Dichlorobenzene-d4 | 13.340 |

| Hit# | of 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------------|-----|---------|-------------|------|
| 1    |      | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 98   |
| 2    |      | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 3    |      | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 97   |
| 4    |      | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 96   |
| 5    |      | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 96   |



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MSVOA\_Y  
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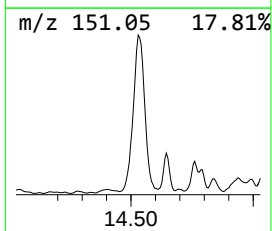
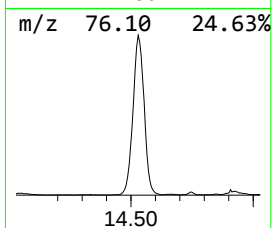
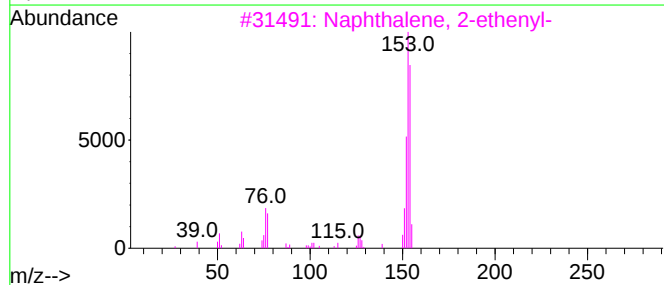
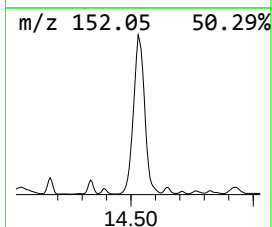
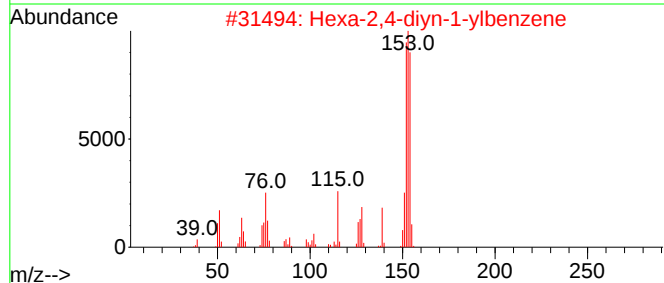
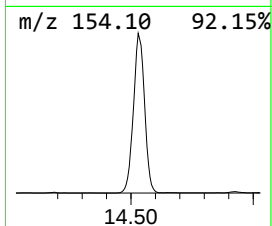
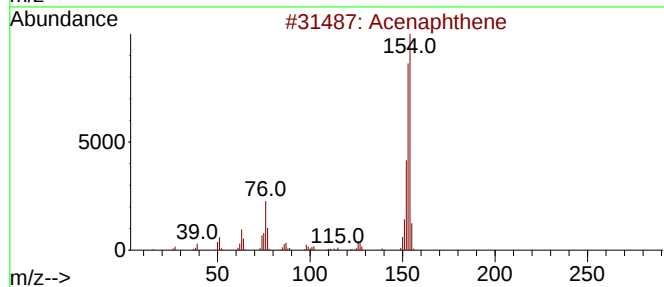
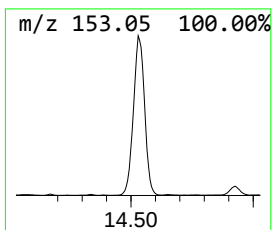
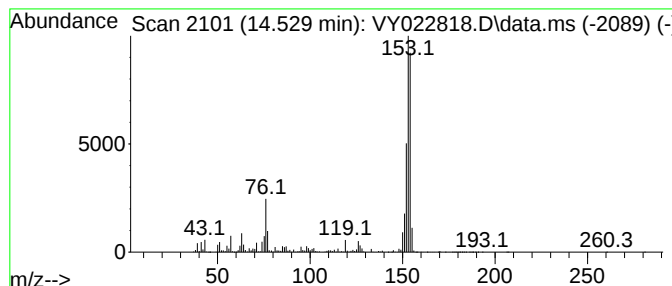
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062325S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Hexa-2,4-diyn-1-ylbenzene Concentration Rank 1

| R.T.   | EstConc      | Area     | Relative to ISTD       | R.T.   |
|--------|--------------|----------|------------------------|--------|
| 14.529 | 1123.24 ug/l | 17795900 | 1,4-Dichlorobenzene-d4 | 13.340 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Acenaphthene                 | 154 | C12H10  | 000083-32-9 | 90   |
| 2    |    |   | Hexa-2,4-diyn-1-ylbenzene    | 154 | C12H10  | 000520-74-1 | 64   |
| 3    |    |   | Naphthalene, 2-ethenyl-      | 154 | C12H10  | 000827-54-3 | 59   |
| 4    |    |   | 2,4,6-Trihydroxybenzaldehyde | 154 | C7H6O4  | 000487-70-7 | 49   |
| 5    |    |   | Biphenyl                     | 154 | C12H10  | 000092-52-4 | 38   |



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Instrument :  
MSVOA\_Y  
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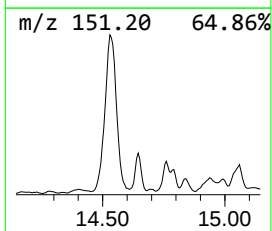
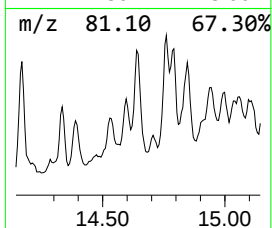
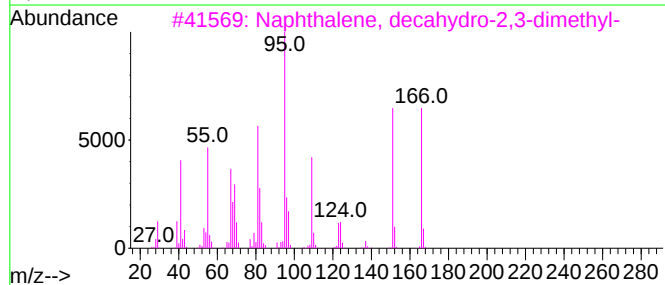
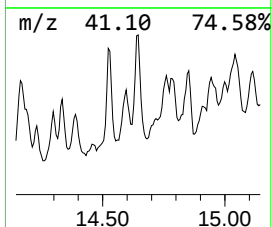
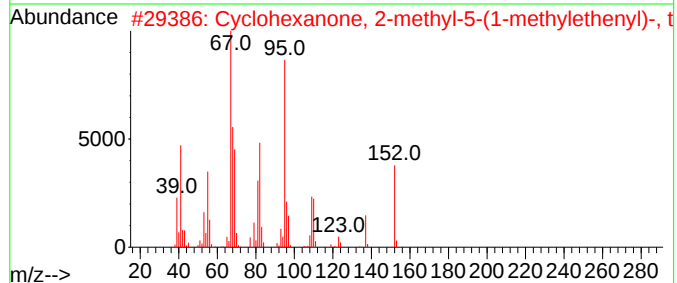
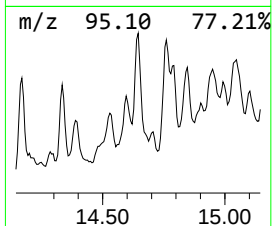
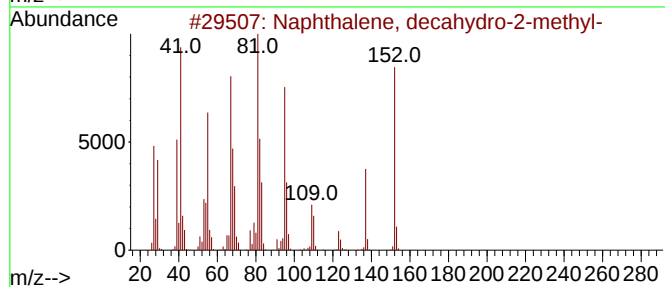
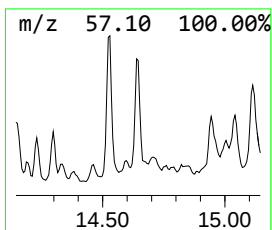
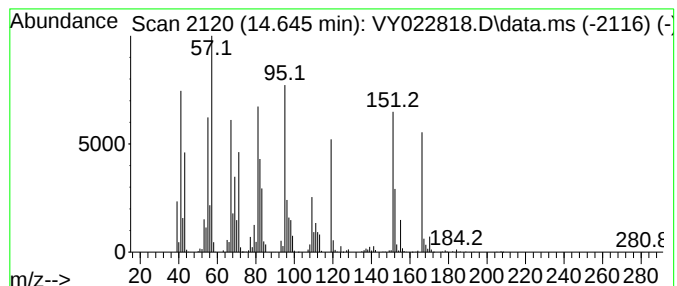
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062325S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 unknown14.645 Concentration Rank 9

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 14.645 | 106.50 ug/l | 1687280 | 1,4-Dichlorobenzene-d4 | 13.340 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1  | 49   |
| 2    |    |   | Cyclohexanone, 2-methyl-5-(1-met... | 152 | C10H16O | 005948-04-9  | 49   |
| 3    |    |   | Naphthalene, decahydro-2,3-dimet... | 166 | C12H22  | 001008-80-6  | 49   |
| 4    |    |   | Naphthalene, decahydro-2,6-dimet... | 166 | C12H22  | 001618-22-0  | 46   |
| 5    |    |   | trans,trans-1,6-Dimethylspiro[4...  | 166 | C12H22  | 1000111-72-1 | 45   |



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Quant Title : SW846 8260

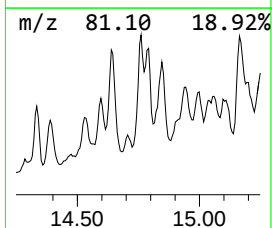
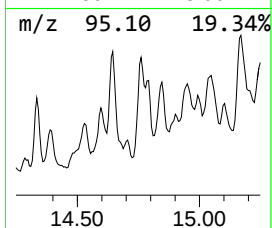
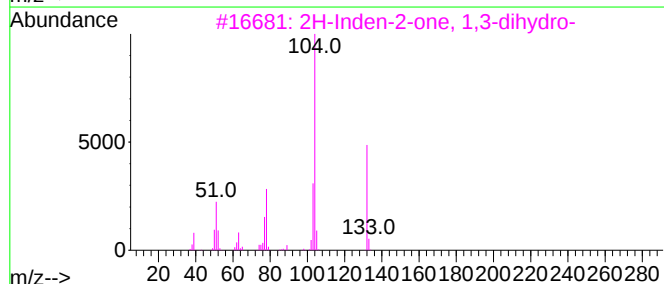
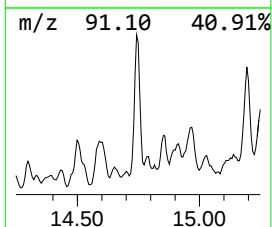
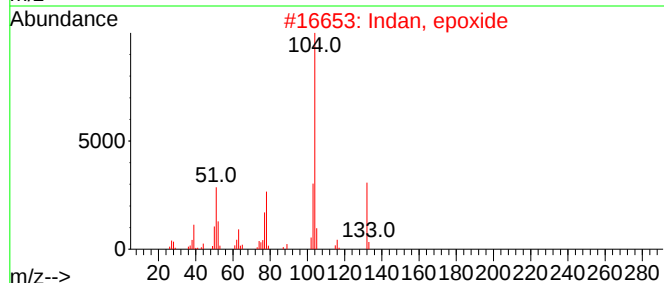
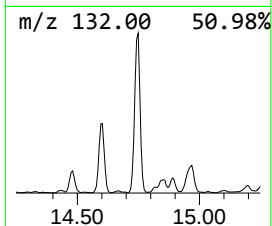
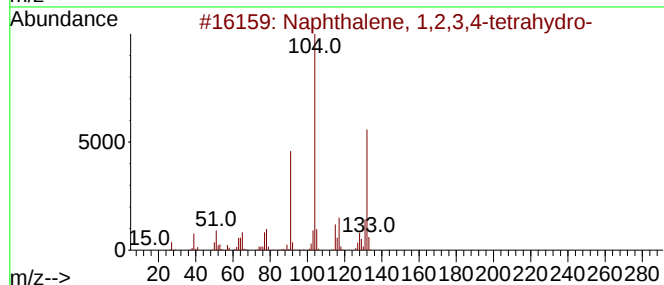
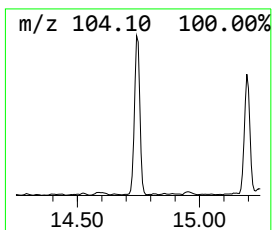
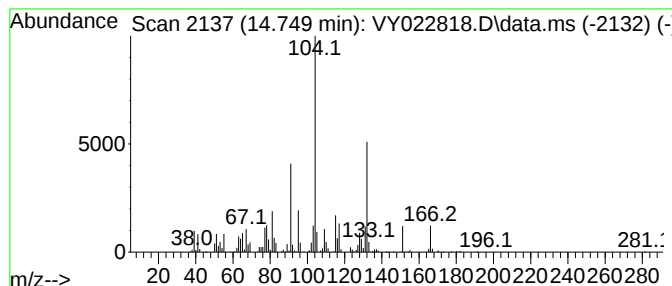
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 14.749 | 135.99 ug/l | 2154460 | 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 | 96   |
| 2    |    |   | Indan, epoxide                   | 132 | C9H8O   | 000768-22-9 | 55   |
| 3    |    |   | 2H-Inden-2-one, 1,3-dihydro-     | 132 | C9H8O   | 000615-13-4 | 47   |
| 4    |    |   | 4-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2  | 064608-60-2 | 47   |
| 5    |    |   | 2-Methylbenzyl cyanide           | 131 | C9H9N   | 022364-68-7 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062525\  
Data File : VY022818.D  
Acq On : 25 Jun 2025 12:35  
Operator : SY/MD  
Sample : Q2355-03  
Misc : 3.55g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20071

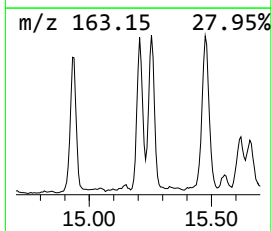
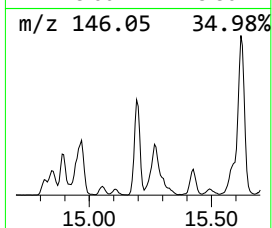
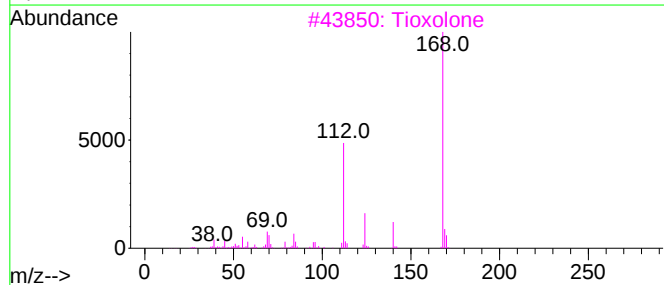
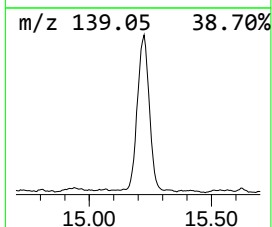
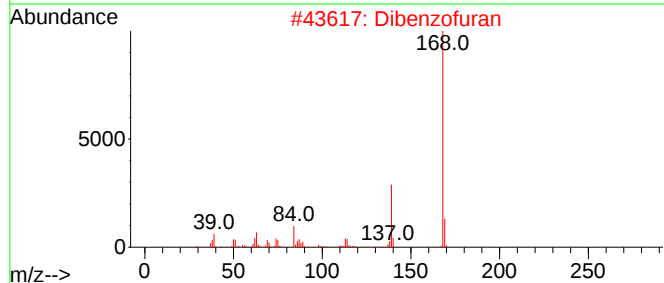
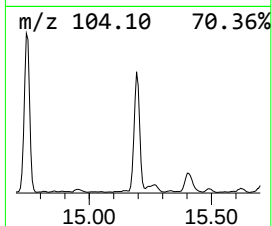
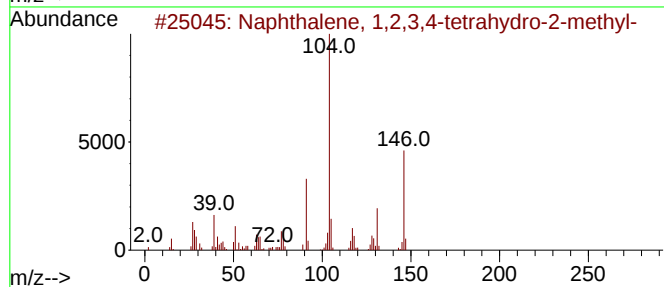
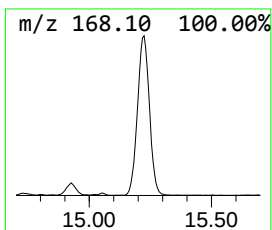
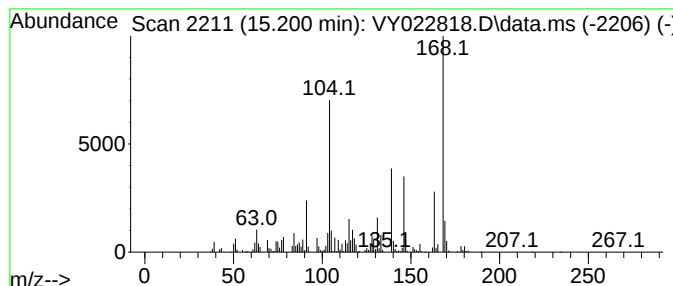
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Quant Title : SW846 8260

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

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

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.200 | 143.38 ug/l | 2271660 | 1,4-Dichlorobenzene-d4 | 13.340 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 003877-19-8  | 60   |
| 2    |    |   | Dibenzofuran                        | 168 | C12H8O  | 000132-64-9  | 55   |
| 3    |    |   | Tioxolone                           | 168 | C7H4O3S | 004991-65-5  | 30   |
| 4    |    |   | Benzoic acid, 4-(methylthio)-       | 168 | C8H8O2S | 013205-48-6  | 27   |
| 5    |    |   | Quinoline-4-carbonitrile, 2-methyl- | 168 | C11H8N2 | 1000317-19-2 | 27   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062525\  
Data File : VY022818.D  
Acq On : 25 Jun 2025 12:35  
Operator : SY/MD  
Sample : Q2355-03  
Misc : 3.55g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20071

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062325S.M  
Quant Title : SW846 8260

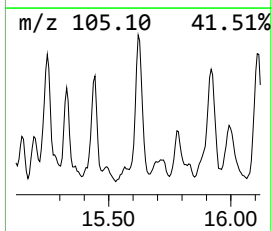
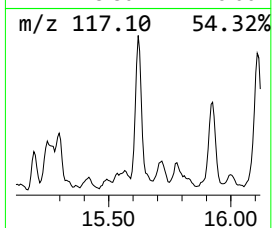
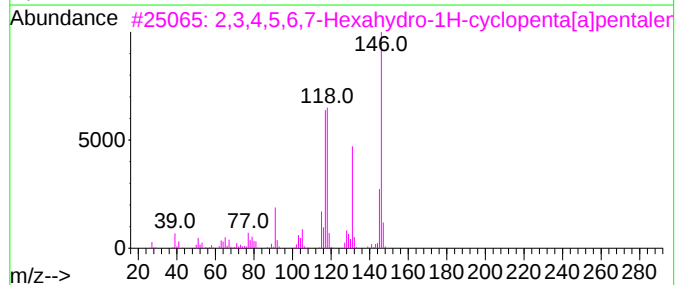
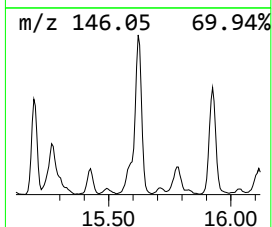
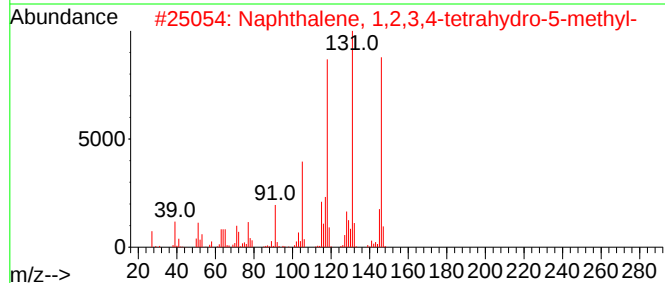
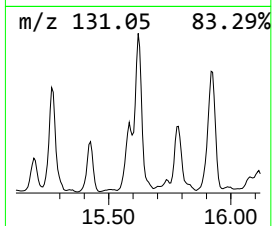
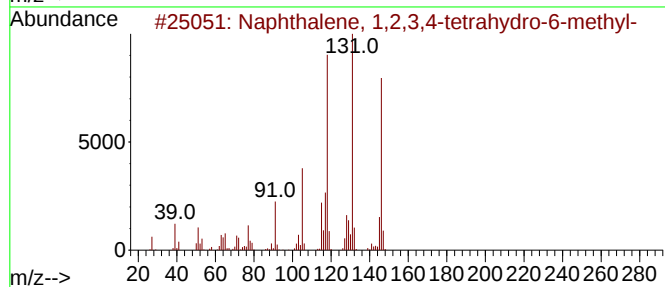
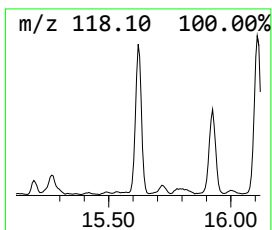
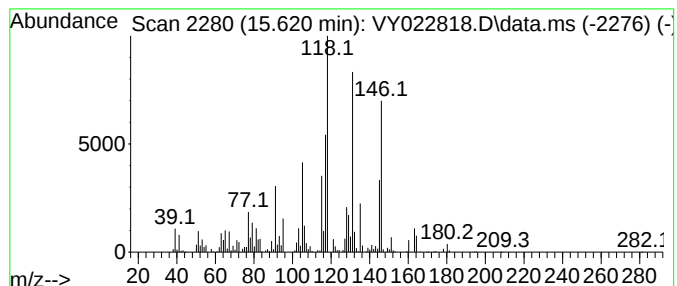
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TIC Integration Parameters: LSCINT.P

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

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.620 | 157.31 ug/l | 2492260 | 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  | 76   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 002809-64-5  | 64   |
| 3    |    |   | 2,3,4,5,6,7-Hexahydro-1H-cyclope... | 146 | C11H14  | 1010189-31-0 | 58   |
| 4    |    |   | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14  | 000769-25-5  | 43   |
| 5    |    |   | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14  | 000769-57-3  | 41   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062525\  
Data File : VY022818.D  
Acq On : 25 Jun 2025 12:35  
Operator : SY/MD  
Sample : Q2355-03  
Misc : 3.55g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20071

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062325S.M  
Quant Title : SW846 8260

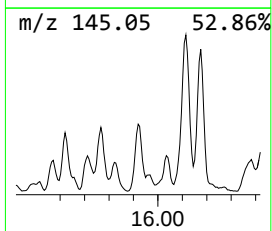
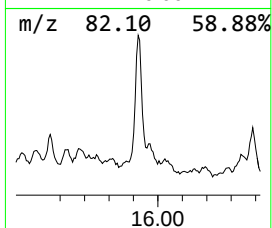
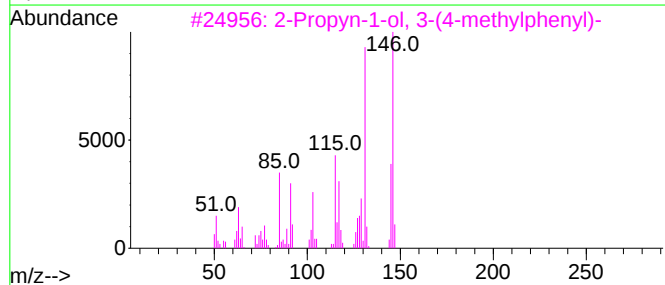
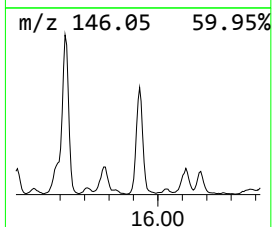
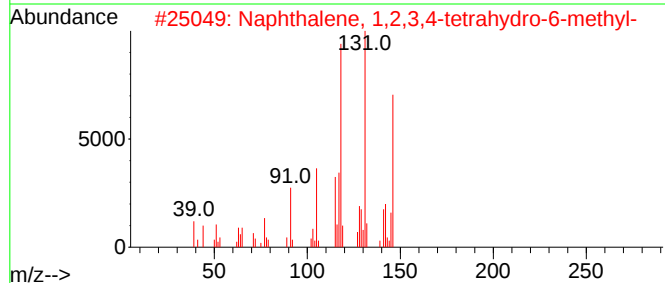
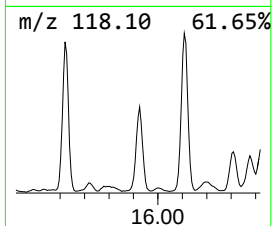
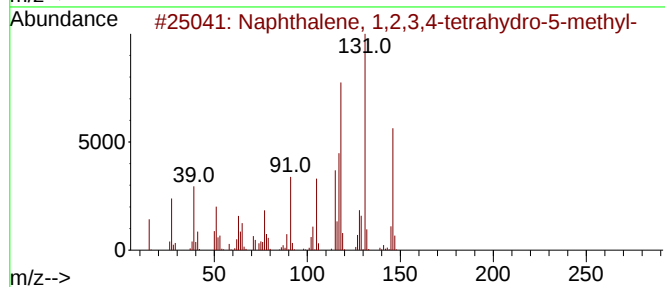
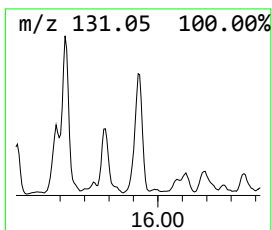
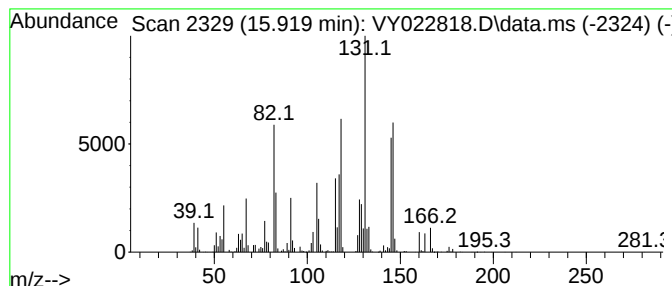
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TIC Integration Parameters: LSCINT.P

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

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.919 | 151.68 ug/l | 2403120 | 1,4-Dichlorobenzene-d4 | 13.340 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 002809-64-5 | 83   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001680-51-9 | 70   |
| 3    |    |   | 2-Propyn-1-ol, 3-(4-methylphenyl)-  | 146 | C10H10O | 016017-24-6 | 49   |
| 4    |    |   | 1H-Benzimidazole, 5,6-dimethyl-     | 146 | C9H10N2 | 000582-60-5 | 49   |
| 5    |    |   | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14  | 000769-57-3 | 46   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062525\  
Data File : VY022818.D  
Acq On : 25 Jun 2025 12:35  
Operator : SY/MD  
Sample : Q2355-03  
Misc : 3.55g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20071

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062325S.M  
Quant Title : SW846 8260

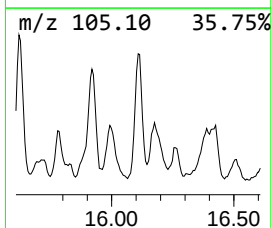
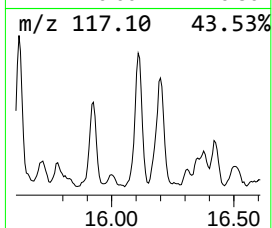
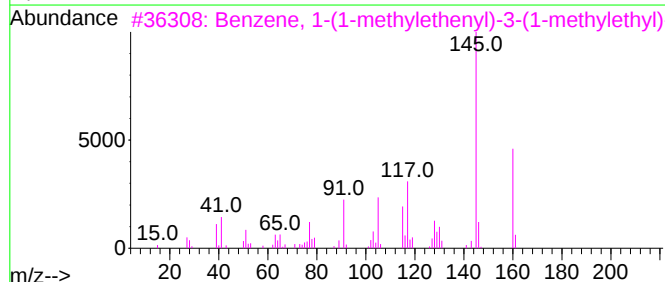
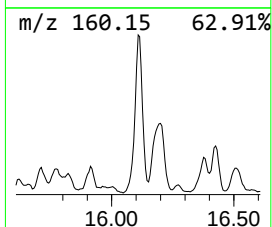
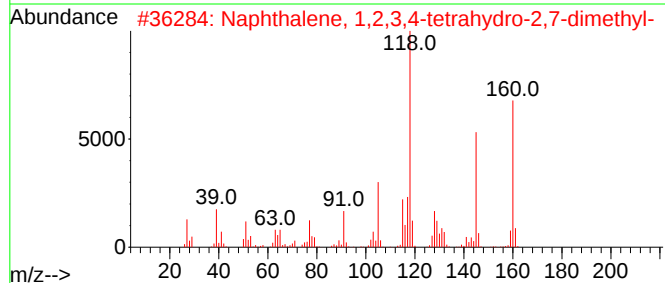
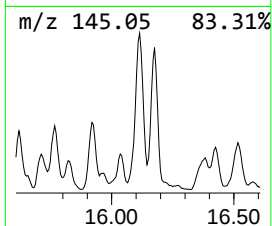
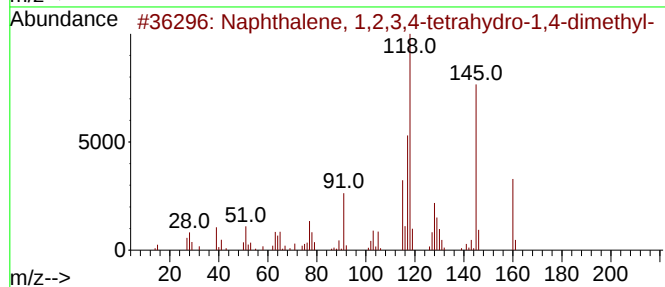
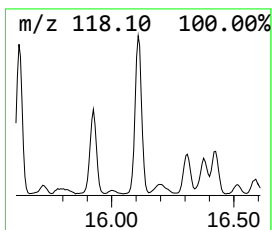
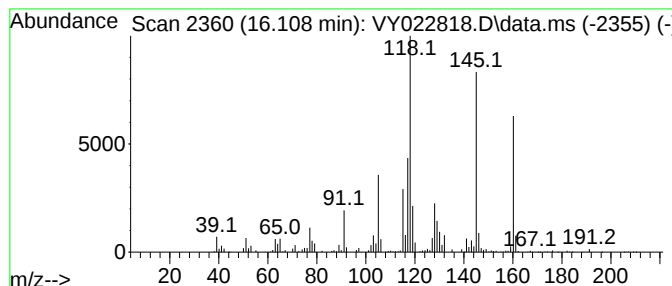
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Naphthalene, 1,2,3,4-tetra... Concentration Rank 7

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 16.108 | 135.41 ug/l | 2145390 | 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  | 013065-07-1 | 87   |
| 3    |    |   | Benzene, 1-(1-methylethenyl)-3-(... | 160 | C12H16  | 001129-29-9 | 70   |
| 4    |    |   | Benzene, 4-(2-butenyl)-1,2-dimet... | 160 | C12H16  | 054340-86-2 | 70   |
| 5    |    |   | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16  | 014679-13-1 | 62   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062525\  
Data File : VY022818.D  
Acq On : 25 Jun 2025 12:35  
Operator : SY/MD  
Sample : Q2355-03  
Misc : 3.55g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20071

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062325S.M  
Quant Title : SW846 8260

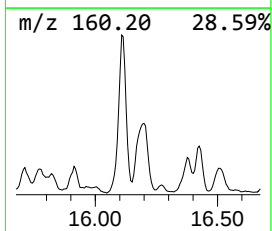
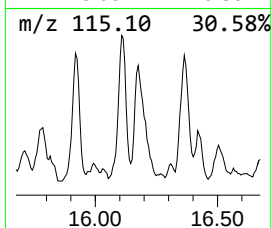
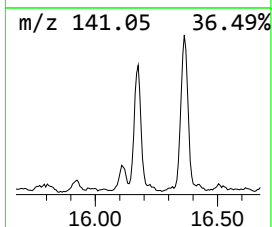
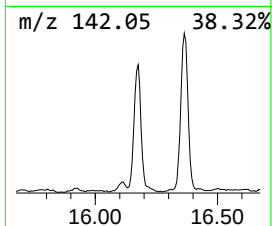
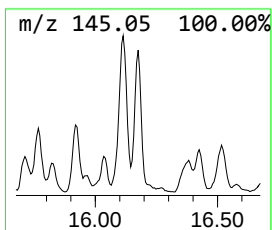
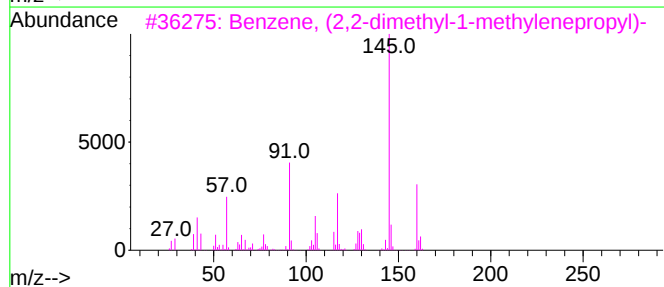
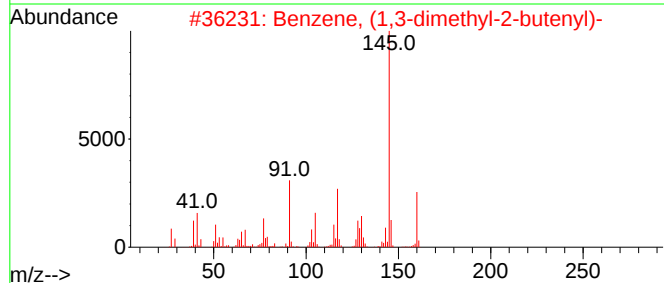
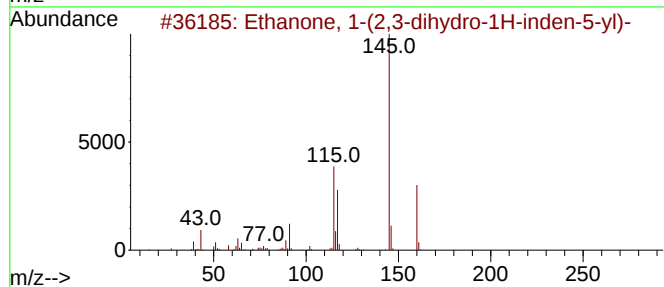
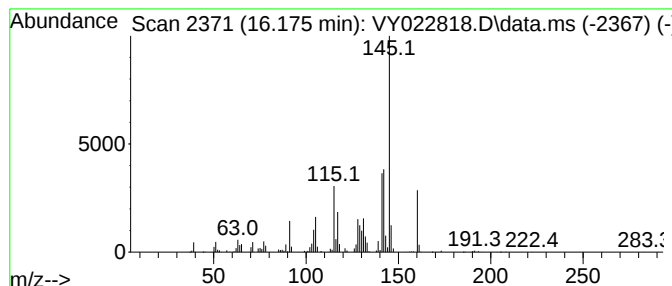
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Ethanone, 1-(2,3-dihydro-1H... Concentration Rank 8

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 16.175 | 108.57 ug/l | 1720070 | 1,4-Dichlorobenzene-d4 | 13.340 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Ethanone, 1-(2,3-dihydro-1H-inde... | 160 | C11H12O | 004228-10-8 | 91   |
| 2    |    |   | Benzene, (1,3-dimethyl-2-butenyl)-  | 160 | C12H16  | 050704-01-3 | 86   |
| 3    |    |   | Benzene, (2,2-dimethyl-1-methyle... | 160 | C12H16  | 005676-29-9 | 83   |
| 4    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 025419-33-4 | 70   |
| 5    |    |   | Benzene, 1-(1-methylethenyl)-3-(... | 160 | C12H16  | 001129-29-9 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062525\  
Data File : VY022818.D  
Acq On : 25 Jun 2025 12:35  
Operator : SY/MD  
Sample : Q2355-03  
Misc : 3.55g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20071

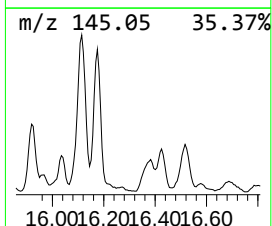
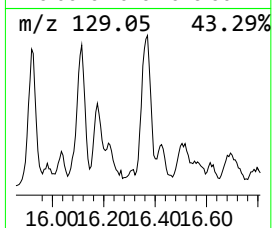
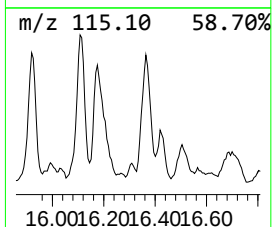
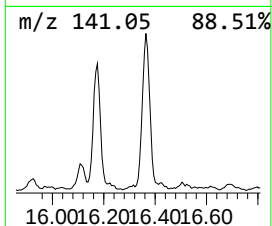
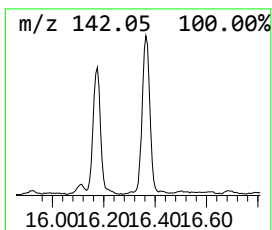
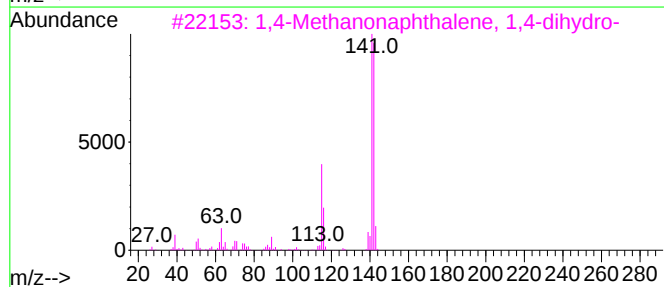
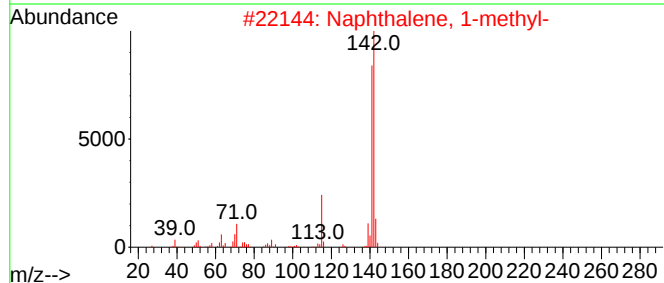
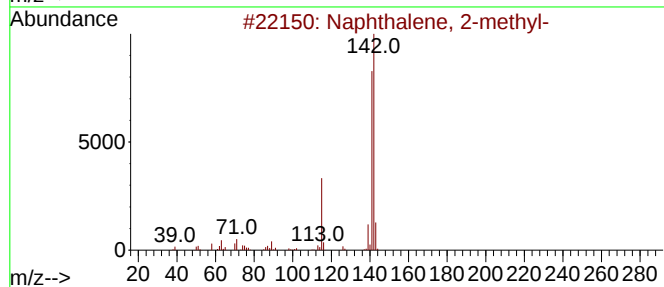
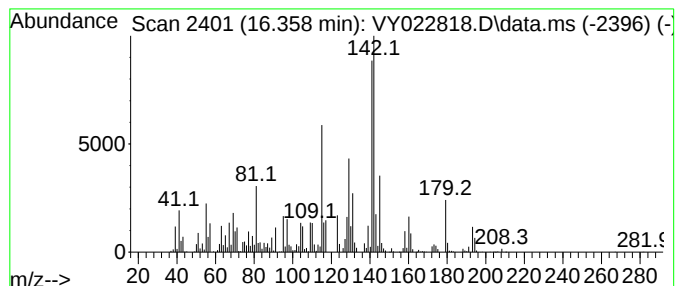
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062325S.M  
Quant Title : SW846 8260

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

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

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 16.358 | 105.16 ug/l | 1666090 | 1,4-Dichlorobenzene-d4 | 13.340 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 90   |
| 2    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 78   |
| 3    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 55   |
| 4    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 53   |
| 5    |    |   | Bicyclo[4.4.1]undeca-1,3,5,7,9-p... | 142 | C11H10  | 002443-46-1 | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062525\  
Data File : VY022818.D  
Acq On : 25 Jun 2025 12:35  
Operator : SY/MD  
Sample : Q2355-03  
Misc : 3.55g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
20071

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062325S.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 |
| Naphthalene, 2,... | 12.591 | 142.9   | ug/l  | 2264390  | 4                     | 13.340 | 792168 | 50.0 |
| Hexa-2,4-diyn-1... | 14.529 | 1123.2  | ug/l  | 17795900 | 4                     | 13.340 | 792168 | 50.0 |
| unknown14.645      | 14.645 | 106.5   | ug/l  | 1687280  | 4                     | 13.340 | 792168 | 50.0 |
| Naphthalene, 1,... | 14.749 | 136.0   | ug/l  | 2154460  | 4                     | 13.340 | 792168 | 50.0 |
| Naphthalene, 1,... | 15.200 | 143.4   | ug/l  | 2271660  | 4                     | 13.340 | 792168 | 50.0 |
| Naphthalene, 1,... | 15.620 | 157.3   | ug/l  | 2492260  | 4                     | 13.340 | 792168 | 50.0 |
| Naphthalene, 1,... | 15.919 | 151.7   | ug/l  | 2403120  | 4                     | 13.340 | 792168 | 50.0 |
| Naphthalene, 1,... | 16.108 | 135.4   | ug/l  | 2145390  | 4                     | 13.340 | 792168 | 50.0 |
| Ethanone, 1-(2,... | 16.175 | 108.6   | ug/l  | 1720070  | 4                     | 13.340 | 792168 | 50.0 |
| Naphthalene, 1-... | 16.358 | 105.2   | ug/l  | 1666090  | 4                     | 13.340 | 792168 | 50.0 |