

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050125\  
 Data File : VY022108.D  
 Acq On : 01 May 2025 15:28  
 Operator : SY/MD  
 Sample : Q1914-02  
 Misc : 7.60g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SS-91

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\82Y042225S.M  
 Title : SW846 8260

Signal : TIC: VY022108.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         | 4.616       | 466           | 475         | 486          | rBV2     | 9653           | 28789         | 1.37%           | 0.187%        |
| 2         | 7.634       | 959           | 970         | 976          | rBV      | 292116         | 700974        | 33.35%          | 4.554%        |
| 3         | 7.707       | 976           | 982         | 998          | rVB      | 477898         | 1083069       | 51.53%          | 7.036%        |
| 4         | 8.061       | 1030          | 1040        | 1051         | rBV      | 191059         | 423907        | 20.17%          | 2.754%        |
| 5         | 8.615       | 1121          | 1131        | 1141         | rBV      | 770309         | 1501579       | 71.44%          | 9.755%        |
| 6         | 10.109      | 1367          | 1376        | 1387         | rBV      | 1231170        | 2101829       | 100.00%         | 13.654%       |
| 7         | 11.213      | 1552          | 1557        | 1567         | rVB9     | 10725          | 27754         | 1.32%           | 0.180%        |
| 8         | 11.414      | 1583          | 1590        | 1602         | rBV      | 1094871        | 1748609       | 83.19%          | 11.359%       |
| 9         | 11.639      | 1616          | 1627        | 1636         | rBV8     | 22942          | 69643         | 3.31%           | 0.452%        |
| 10        | 11.920      | 1668          | 1673        | 1674         | rBV4     | 17379          | 21101         | 1.00%           | 0.137%        |
| 11        | 12.407      | 1747          | 1753        | 1764         | rVB2     | 931626         | 1588826       | 75.59%          | 10.321%       |
| 12        | 12.566      | 1776          | 1779        | 1786         | rVB7     | 13291          | 22619         | 1.08%           | 0.147%        |
| 13        | 12.651      | 1786          | 1793        | 1797         | rBV9     | 13724          | 33400         | 1.59%           | 0.217%        |
| 14        | 12.731      | 1801          | 1806        | 1812         | rVV2     | 92849          | 154844        | 7.37%           | 1.006%        |
| 15        | 12.895      | 1828          | 1833        | 1838         | rBV      | 25079          | 43709         | 2.08%           | 0.284%        |
| 16        | 12.962      | 1841          | 1844        | 1851         | rVB4     | 28500          | 44727         | 2.13%           | 0.291%        |
| 17        | 13.237      | 1882          | 1889        | 1894         | rBV5     | 25867          | 55068         | 2.62%           | 0.358%        |
| 18        | 13.346      | 1901          | 1907        | 1916         | rVV      | 970255         | 1488852       | 70.84%          | 9.672%        |
| 19        | 13.541      | 1937          | 1939        | 1942         | rVV3     | 23333          | 29109         | 1.38%           | 0.189%        |
| 20        | 13.584      | 1942          | 1946        | 1955         | rVB      | 68172          | 114649        | 5.45%           | 0.745%        |
| 21        | 13.676      | 1955          | 1961        | 1966         | rBV2     | 118597         | 213936        | 10.18%          | 1.390%        |
| 22        | 13.749      | 1969          | 1973        | 1980         | rVB      | 28181          | 50021         | 2.38%           | 0.325%        |
| 23        | 13.889      | 1990          | 1996        | 2002         | rVB2     | 194720         | 304175        | 14.47%          | 1.976%        |
| 24        | 13.999      | 2009          | 2014        | 2019         | rBV3     | 79918          | 131813        | 6.27%           | 0.856%        |
| 25        | 14.072      | 2019          | 2026        | 2030         | rBV7     | 25767          | 67441         | 3.21%           | 0.438%        |
| 26        | 14.127      | 2030          | 2035        | 2039         | rBV2     | 26579          | 57681         | 2.74%           | 0.375%        |
| 27        | 14.169      | 2039          | 2042        | 2047         | rBV5     | 39221          | 62700         | 2.98%           | 0.407%        |
| 28        | 14.255      | 2052          | 2056        | 2060         | rVB      | 62974          | 91570         | 4.36%           | 0.595%        |
| 29        | 14.303      | 2060          | 2064        | 2067         | rBV      | 62784          | 85581         | 4.07%           | 0.556%        |
| 30        | 14.340      | 2067          | 2070        | 2074         | rVB2     | 55519          | 71876         | 3.42%           | 0.467%        |
| 31        | 14.486      | 2090          | 2094        | 2097         | rBV3     | 30693          | 47006         | 2.24%           | 0.305%        |
| 32        | 14.529      | 2097          | 2101        | 2106         | rVB      | 119215         | 165870        | 7.89%           | 1.078%        |
| 33        | 14.602      | 2106          | 2113        | 2117         | rBV2     | 131025         | 261046        | 12.42%          | 1.696%        |
| 34        | 14.651      | 2117          | 2121        | 2127         | rVB5     | 54654          | 99054         | 4.71%           | 0.643%        |
| 35        | 14.749      | 2133          | 2137        | 2147         | rVB3     | 64697          | 119179        | 5.67%           | 0.774%        |
| 36        | 14.864      | 2150          | 2156        | 2159         | rBV2     | 98754          | 187900        | 8.94%           | 1.221%        |

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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS-91

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\82Y042225S.M  
Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 14.974 | 2167 | 2174 | 2179 | rBV2 | 100238 | 203997 | 9.71%  | 1.325% |
| 38 | 15.126 | 2193 | 2199 | 2202 | rBV5 | 42760  | 90584  | 4.31%  | 0.588% |
| 39 | 15.200 | 2207 | 2211 | 2215 | rVV  | 78211  | 130173 | 6.19%  | 0.846% |
| 40 | 15.273 | 2216 | 2223 | 2231 | rVV4 | 64153  | 259119 | 12.33% | 1.683% |
| 41 | 15.340 | 2231 | 2234 | 2242 | rVB3 | 65459  | 109953 | 5.23%  | 0.714% |
| 42 | 15.431 | 2243 | 2249 | 2256 | rBV2 | 61516  | 127383 | 6.06%  | 0.828% |
| 43 | 15.590 | 2268 | 2275 | 2277 | rBV5 | 45469  | 96575  | 4.59%  | 0.627% |
| 44 | 15.626 | 2278 | 2281 | 2290 | rVB  | 105273 | 174421 | 8.30%  | 1.133% |
| 45 | 15.718 | 2291 | 2296 | 2301 | rVB6 | 26724  | 47983  | 2.28%  | 0.312% |
| 46 | 15.779 | 2301 | 2306 | 2311 | rBV3 | 40766  | 89094  | 4.24%  | 0.579% |
| 47 | 15.931 | 2324 | 2331 | 2336 | rBV2 | 86349  | 173025 | 8.23%  | 1.124% |
| 48 | 16.120 | 2354 | 2362 | 2368 | rBV4 | 109177 | 237451 | 11.30% | 1.543% |
| 49 | 16.181 | 2368 | 2372 | 2377 | rVB2 | 39113  | 64586  | 3.07%  | 0.420% |
| 50 | 16.376 | 2397 | 2404 | 2410 | rBV6 | 40495  | 118894 | 5.66%  | 0.772% |
| 51 | 16.431 | 2410 | 2413 | 2418 | rVV5 | 28405  | 50643  | 2.41%  | 0.329% |
| 52 | 16.510 | 2422 | 2426 | 2434 | rVB5 | 28258  | 65653  | 3.12%  | 0.427% |
| 53 | 16.705 | 2453 | 2458 | 2469 | rVB5 | 16978  | 53963  | 2.57%  | 0.351% |

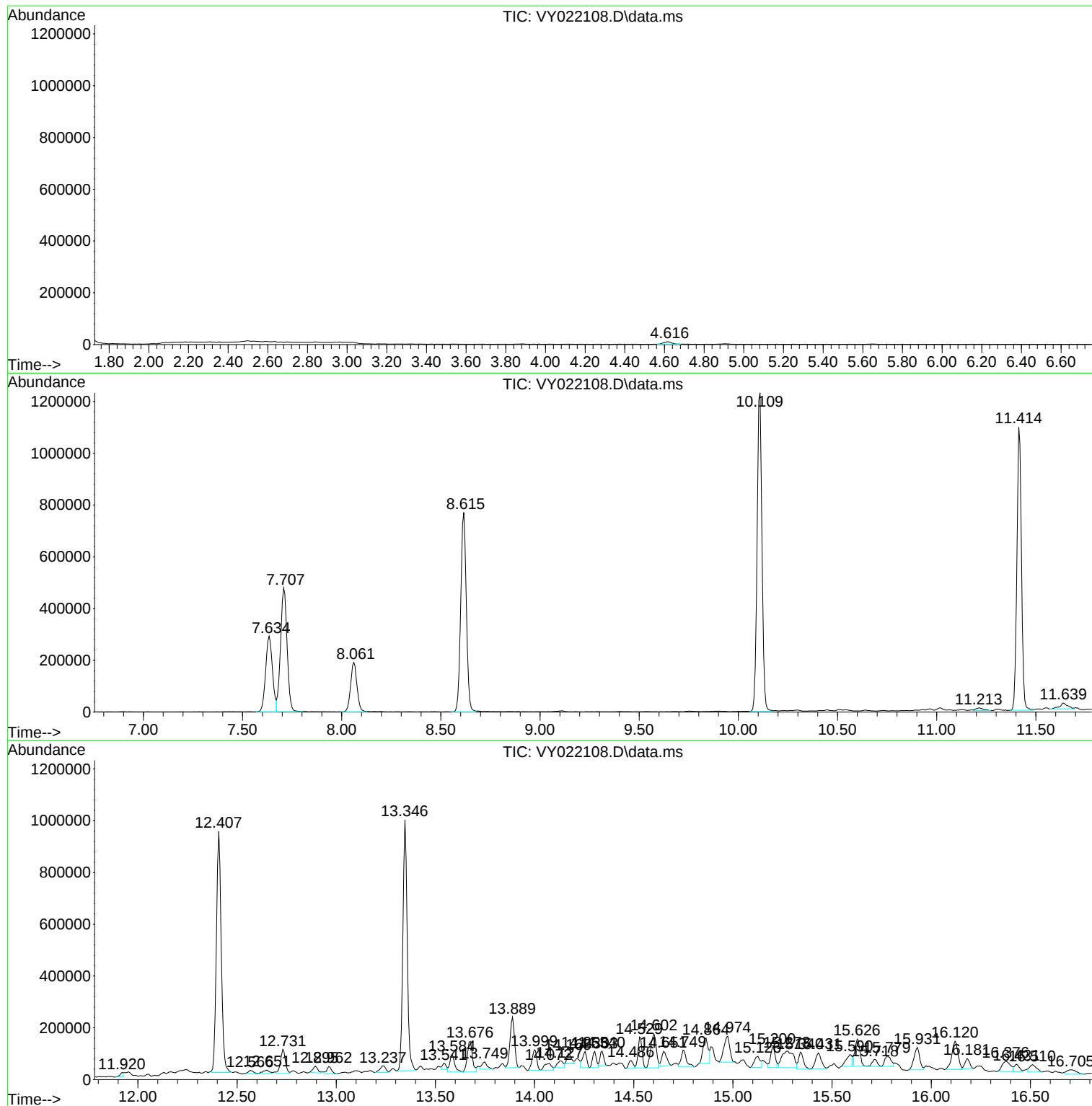
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Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050125\  
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Instrument :  
MSVOA\_Y  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
Quant Title : SW846 8260

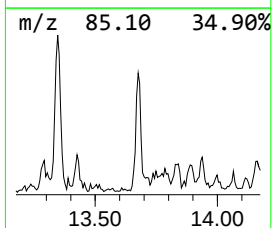
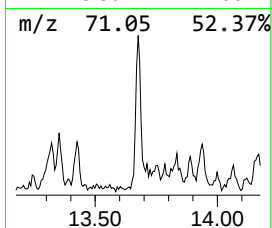
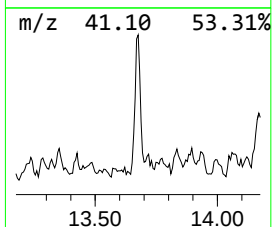
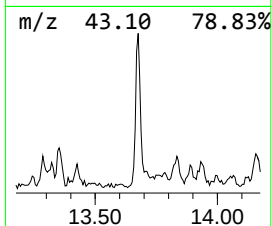
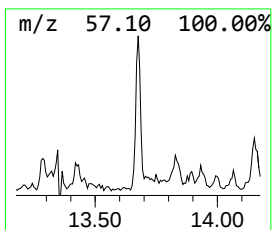
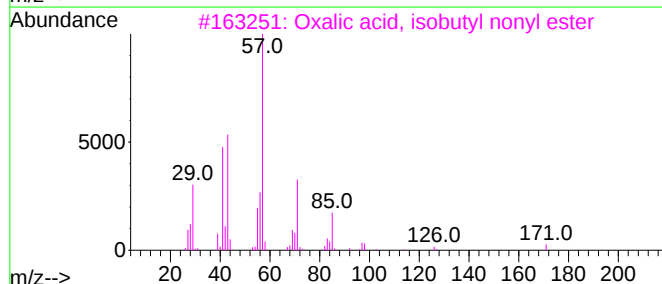
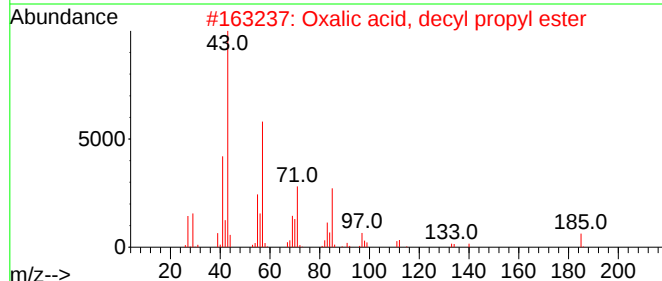
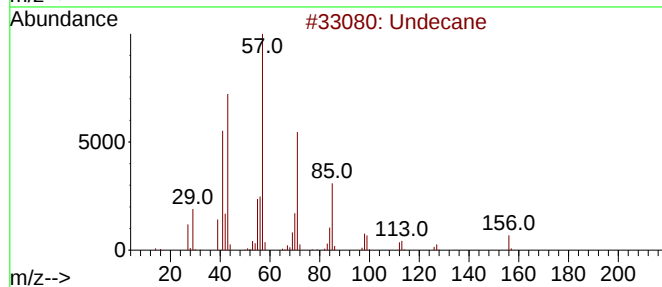
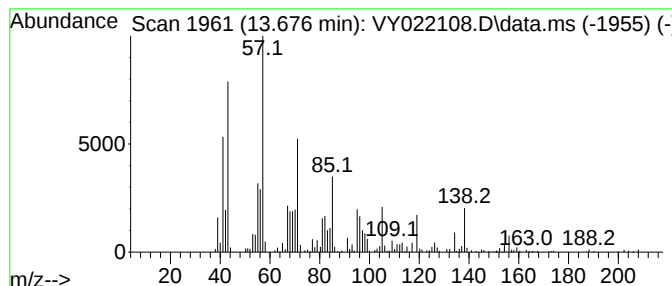
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Undecane Concentration Rank 5

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.676 | 7.18 ug/l | 213936 | 1,4-Dichlorobenzene-d4 | 13.346 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Undecane                            | 156 | C11H24   | 001120-21-4  | 86   |
| 2    |    |   | Oxalic acid, decyl propyl ester     | 272 | C15H28O4 | 1000309-26-3 | 30   |
| 3    |    |   | Oxalic acid, isobutyl nonyl ester   | 272 | C15H28O4 | 1010309-37-4 | 30   |
| 4    |    |   | Carbonic acid, nonyl prop-1-en-2... | 228 | C13H24O3 | 1000382-53-9 | 30   |
| 5    |    |   | Dotriacontane                       | 451 | C32H66   | 000544-85-4  | 27   |



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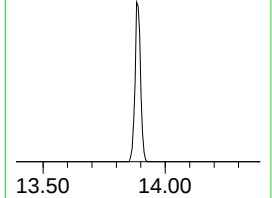
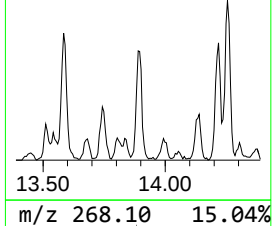
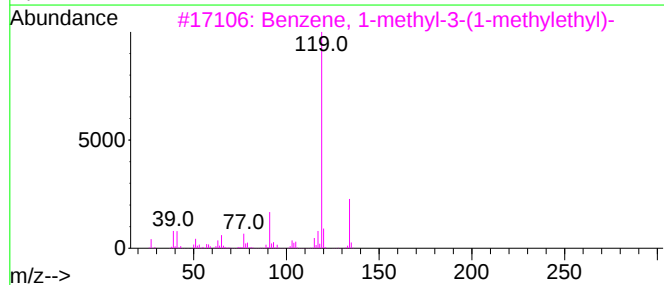
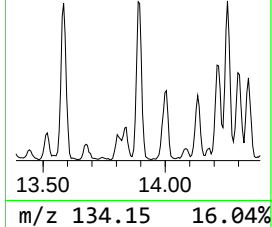
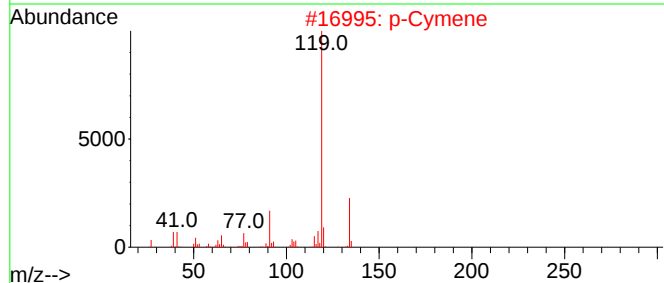
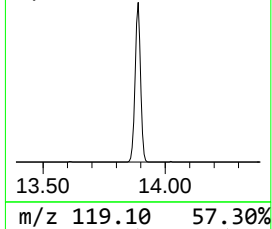
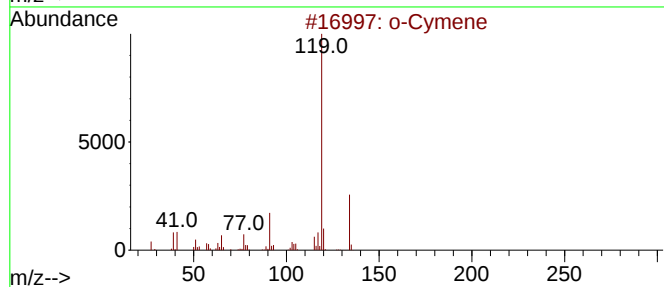
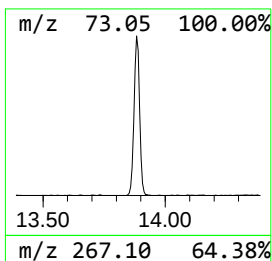
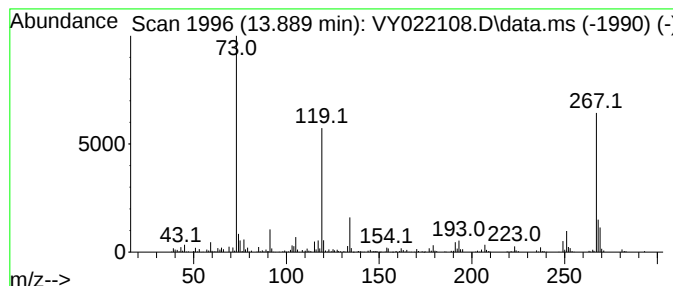
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
Quant Title : SW846 8260

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

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Peak Number 2 o-Cymene Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.889 | 10.22 ug/l | 304175 | 1,4-Dichlorobenzene-d4 | 13.346 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 68   |
| 2    |    |   | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 68   |
| 3    |    |   | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 60   |
| 4    |    |   | Benzene, 4-ethyl-1,2-dimethyl-      | 134 | C10H14  | 000934-80-5 | 60   |
| 5    |    |   | Benzene, 1-ethyl-3,5-dimethyl-      | 134 | C10H14  | 000934-74-7 | 47   |



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Instrument :  
MSVOA\_Y  
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SS-91

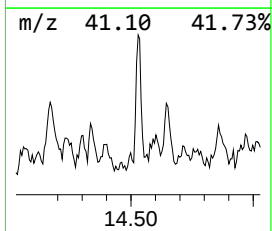
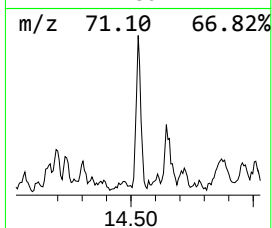
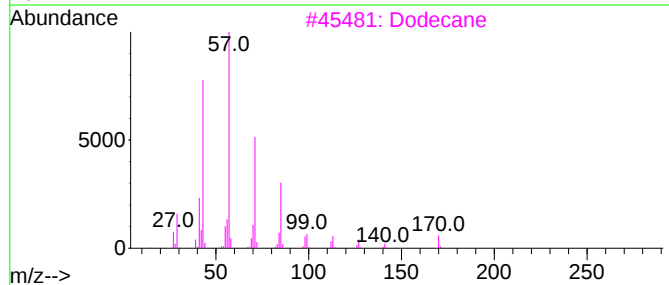
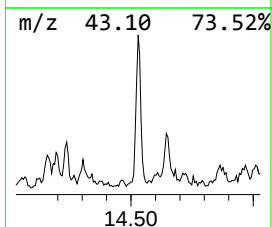
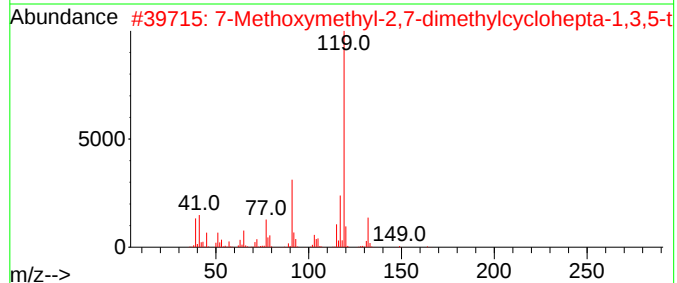
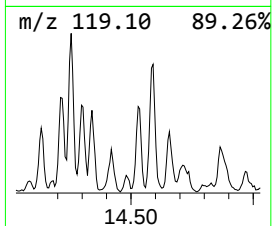
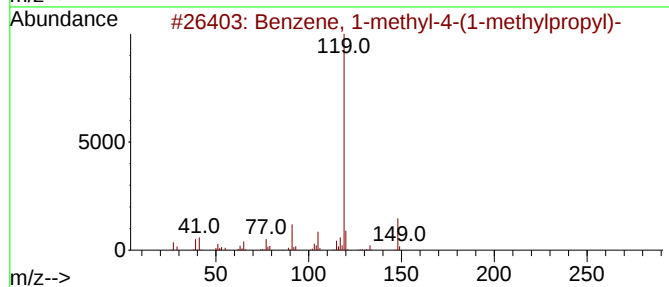
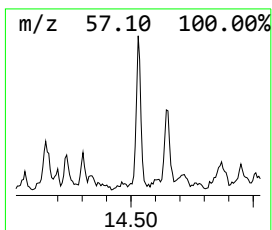
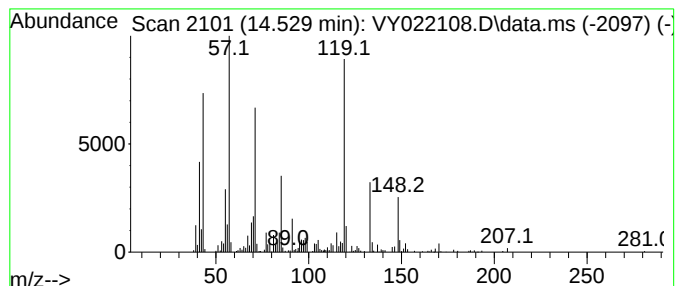
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
Quant Title : SW846 8260

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

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Peak Number 3 unknown14.529 Concentration Rank 10

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.529 | 5.57 ug/l | 165870 | 1,4-Dichlorobenzene-d4 | 13.346 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-methyl-4-(1-methylpro... | 148 | C11H16  | 001595-16-0 | 41   |
| 2    |    |   | 7-Methoxymethyl-2,7-dimethylcycl... | 164 | C11H16O | 073992-48-0 | 38   |
| 3    |    |   | Dodecane                            | 170 | C12H26  | 000112-40-3 | 30   |
| 4    |    |   | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14  | 000874-41-9 | 30   |
| 5    |    |   | Heneicosane                         | 296 | C21H44  | 000629-94-7 | 30   |



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MSVOA\_Y  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
Quant Title : SW846 8260

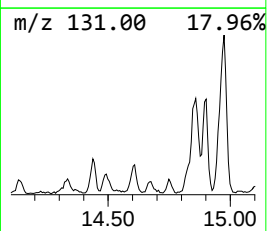
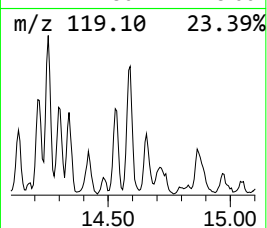
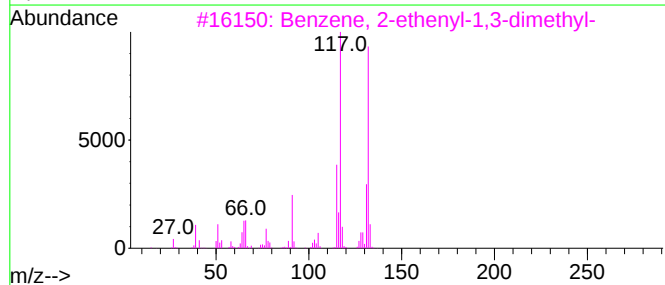
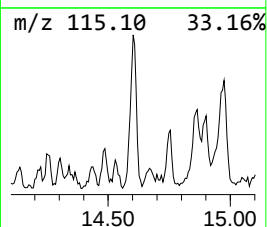
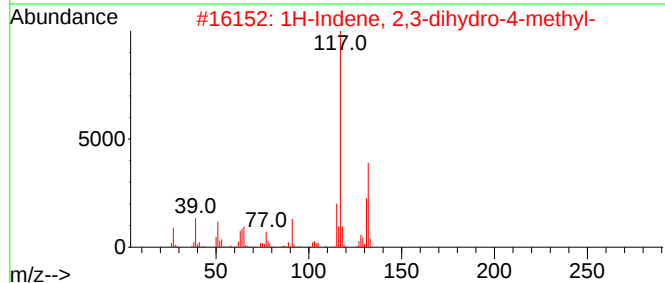
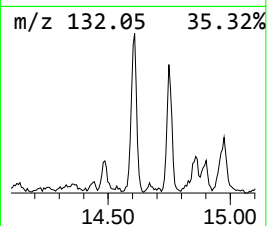
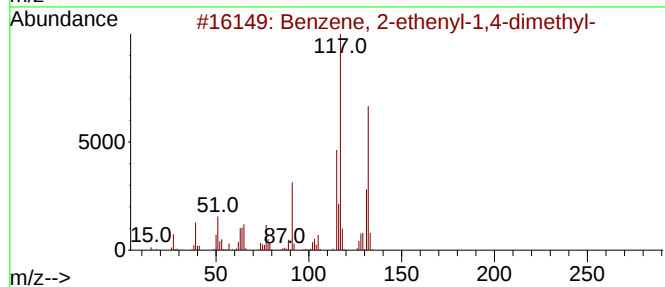
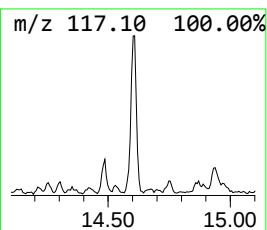
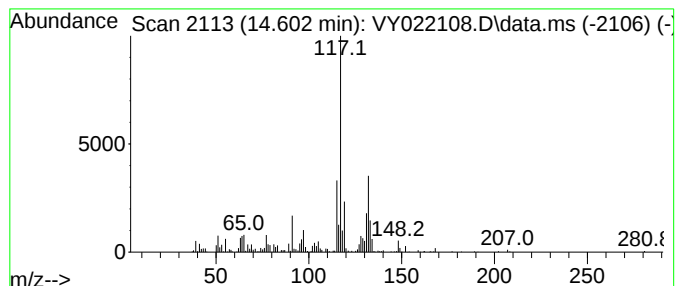
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 2

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.602 | 8.77 ug/l | 261046 | 1,4-Dichlorobenzene-d4 | 13.346 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 91   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 81   |
| 3    |    |   | Benzene, 2-ethenyl-1,3-dimethyl- | 132 | C10H12  | 002039-90-9 | 81   |
| 4    |    |   | Benzene, 1-ethenyl-4-ethyl-      | 132 | C10H12  | 003454-07-7 | 76   |
| 5    |    |   | 3-Phenylbut-1-ene                | 132 | C10H12  | 000934-10-1 | 76   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050125\  
Data File : VY022108.D  
Acq On : 01 May 2025 15:28  
Operator : SY/MD  
Sample : Q1914-02  
Misc : 7.60g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS-91

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
Quant Title : SW846 8260

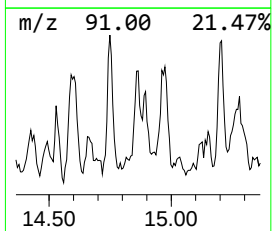
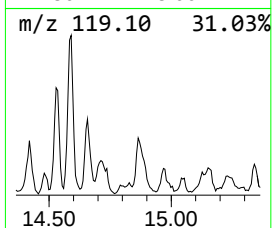
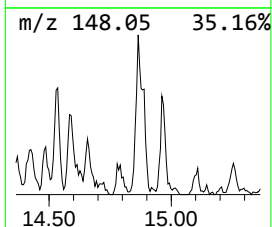
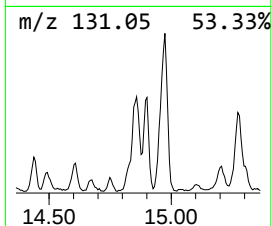
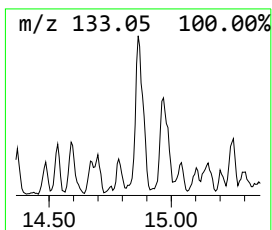
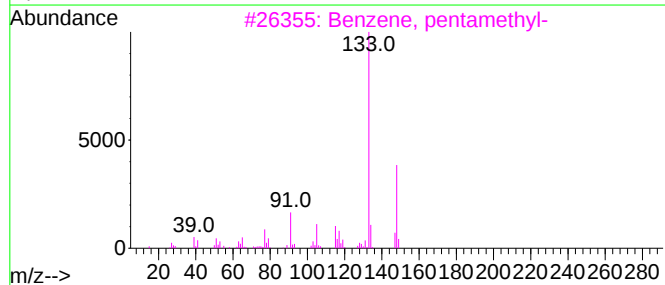
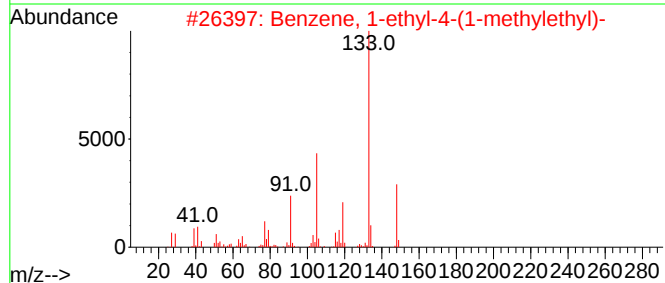
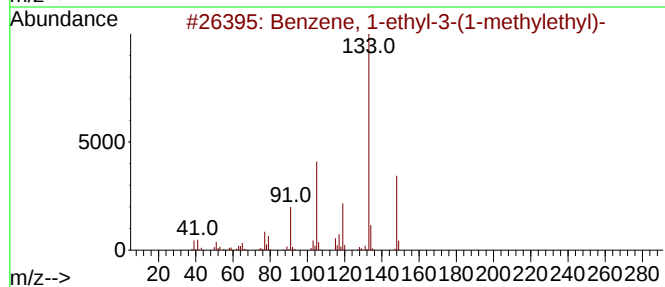
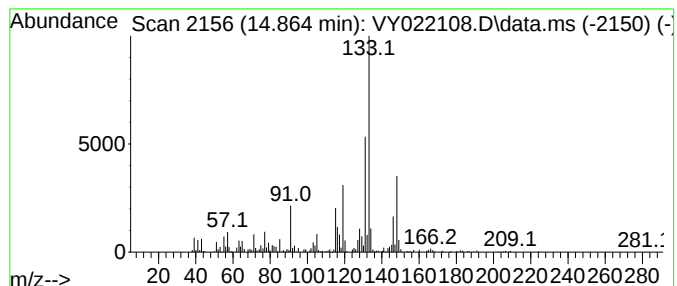
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Benzene, 1-ethyl-3-(1-methy... Concentration Rank 7

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.864 | 6.31 ug/l | 187900 | 1,4-Dichlorobenzene-d4 | 13.346 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-3-(1-methylethyl)- | 148 | C11H16  | 004920-99-4 | 52   |
| 2    |    |   | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16  | 004218-48-8 | 52   |
| 3    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9 | 49   |
| 4    |    |   | Benzene, 1-(1,1-dimethylethyl)-3... | 148 | C11H16  | 001075-38-3 | 46   |
| 5    |    |   | Ethanone, 1-(2,4-dimethylphenyl)-   | 148 | C10H12O | 000089-74-7 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050125\  
Data File : VY022108.D  
Acq On : 01 May 2025 15:28  
Operator : SY/MD  
Sample : Q1914-02  
Misc : 7.60g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS-91

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
Quant Title : SW846 8260

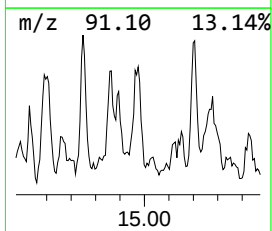
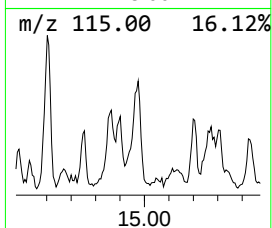
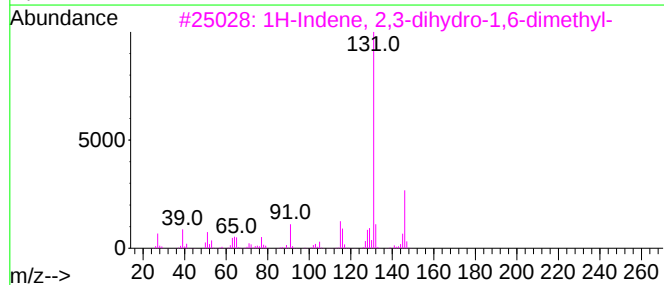
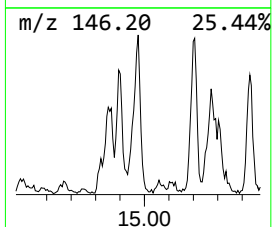
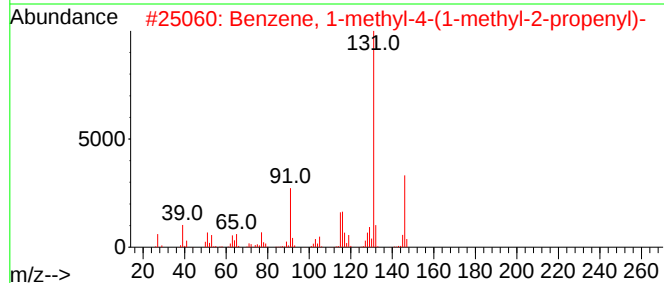
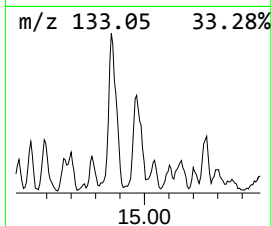
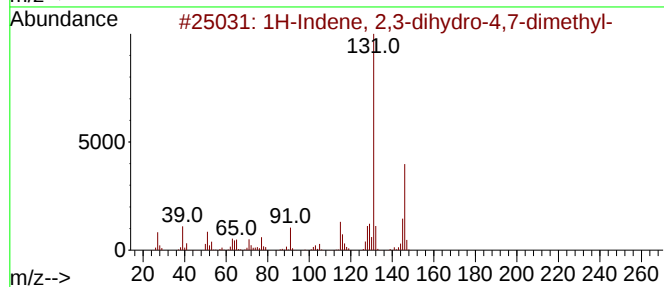
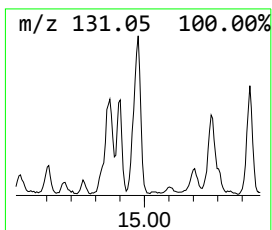
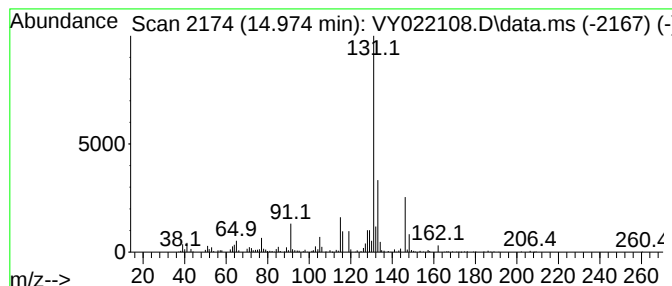
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 6

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.974 | 6.85 ug/l | 203997 | 1,4-Dichlorobenzene-d4 | 13.346 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 89   |
| 2    |    |   | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14  | 097664-18-1 | 76   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 76   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 76   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 76   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050125\  
Data File : VY022108.D  
Acq On : 01 May 2025 15:28  
Operator : SY/MD  
Sample : Q1914-02  
Misc : 7.60g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS-91

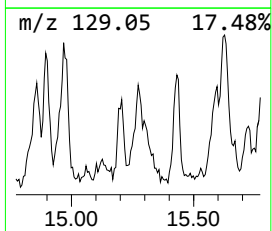
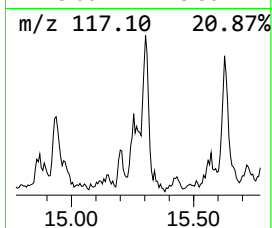
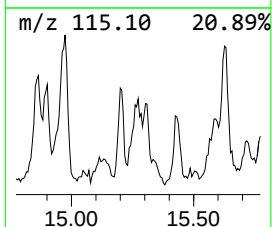
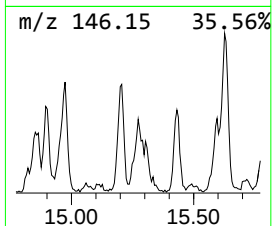
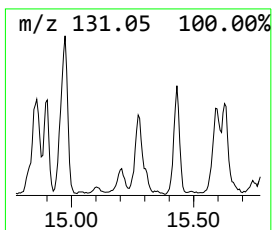
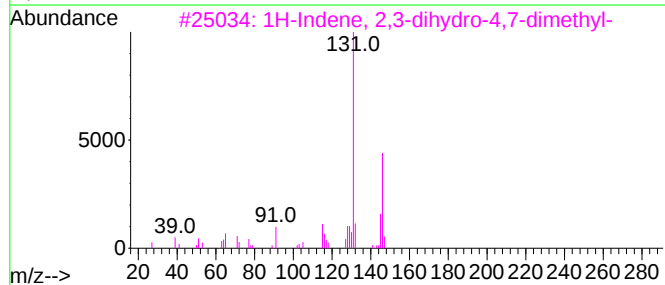
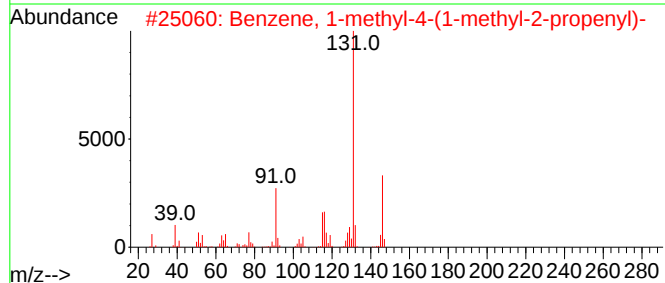
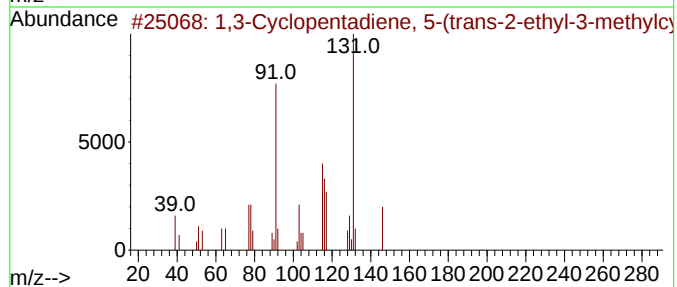
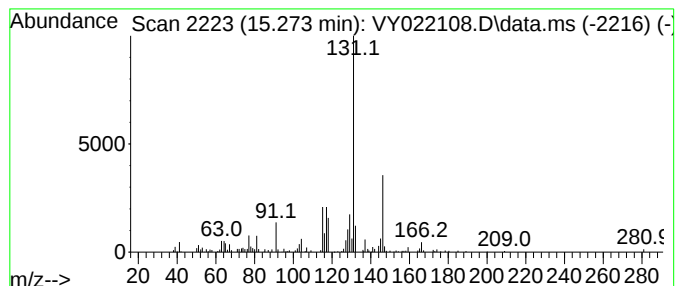
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Quant Title : SW846 8260

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

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Peak Number 7 1,3-Cyclopentadiene, 5-(tra... Concentration Rank 3

| R.T.      | EstConc                             | Area   | Relative to ISTD       |         |             | R.T.   |
|-----------|-------------------------------------|--------|------------------------|---------|-------------|--------|
| 15.273    | 8.70 ug/l                           | 259119 | 1,4-Dichlorobenzene-d4 |         |             | 13.346 |
| Hit# of 5 | Tentative ID                        |        | MW                     | MolForm | CAS#        | Qual   |
| 1         | 1,3-Cyclopentadiene, 5-(trans-2-... |        | 146                    | C11H14  | 079209-36-2 | 87     |
| 2         | Benzene, 1-methyl-4-(1-methyl-2-... |        | 146                    | C11H14  | 097664-18-1 | 81     |
| 3         | 1H-Indene, 2,3-dihydro-4,7-dimet... |        | 146                    | C11H14  | 006682-71-9 | 76     |
| 4         | Benzene, (1,2-dimethyl-1-propenyl)- |        | 146                    | C11H14  | 000769-57-3 | 76     |
| 5         | 1H-Indene, 2,3-dihydro-5,6-dimet... |        | 146                    | C11H14  | 001075-22-5 | 76     |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050125\  
Data File : VY022108.D  
Acq On : 01 May 2025 15:28  
Operator : SY/MD  
Sample : Q1914-02  
Misc : 7.60g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS-91

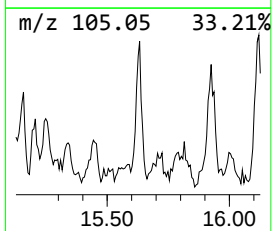
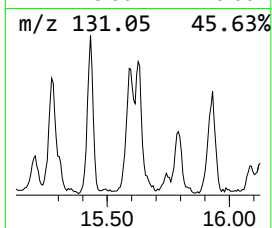
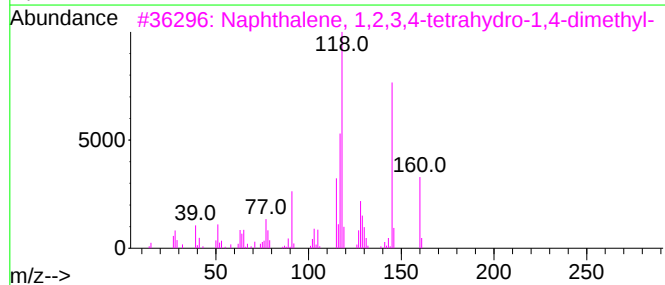
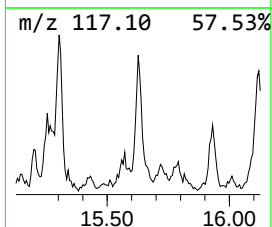
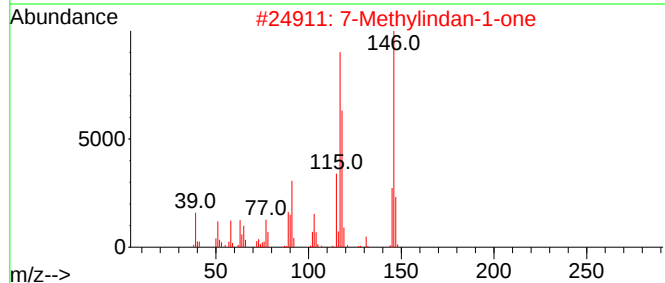
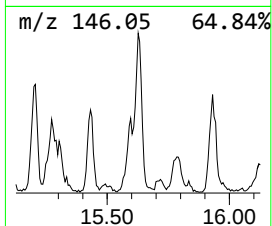
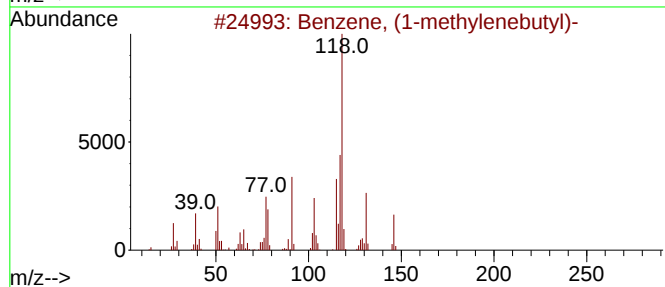
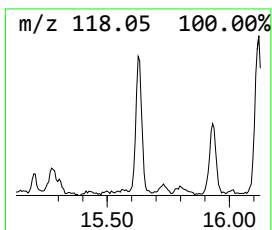
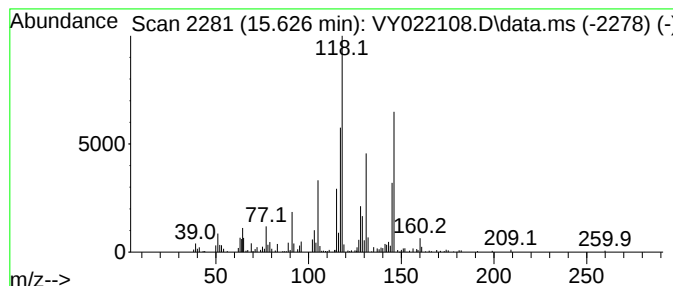
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Quant Title : SW846 8260

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

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Peak Number 8 Benzene, (1-methylenebutyl)- Concentration Rank 8

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.626 | 5.86 ug/l | 174421 | 1,4-Dichlorobenzene-d4 | 13.346 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzene, (1-methylenebutyl)-        | 146 | C11H14   | 005676-32-4 | 72   |
| 2    |    |   | 7-Methylindan-1-one                 | 146 | C10H10O  | 039627-61-7 | 49   |
| 3    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16   | 004175-54-6 | 49   |
| 4    |    |   | 1H-1,3,2-Benzodiazaborole, 2-eth... | 146 | C8H11BN2 | 074663-81-3 | 43   |
| 5    |    |   | 2-Ethyl-2,3-dihydro-1H-indene       | 146 | C11H14   | 056147-63-8 | 38   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050125\  
Data File : VY022108.D  
Acq On : 01 May 2025 15:28  
Operator : SY/MD  
Sample : Q1914-02  
Misc : 7.60g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS-91

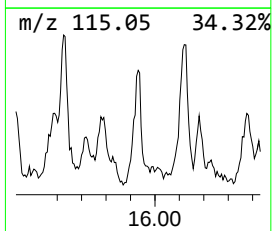
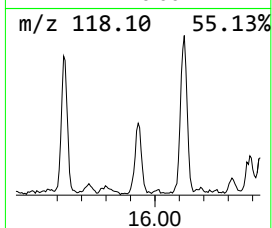
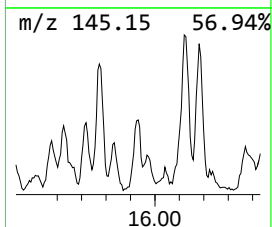
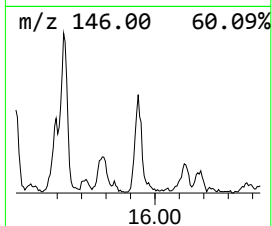
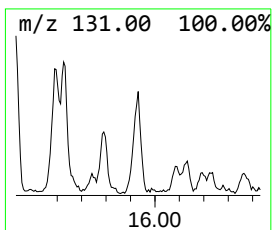
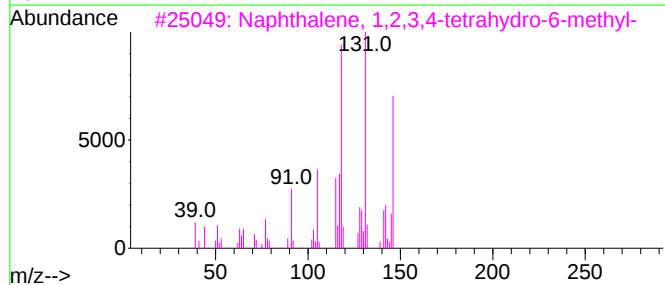
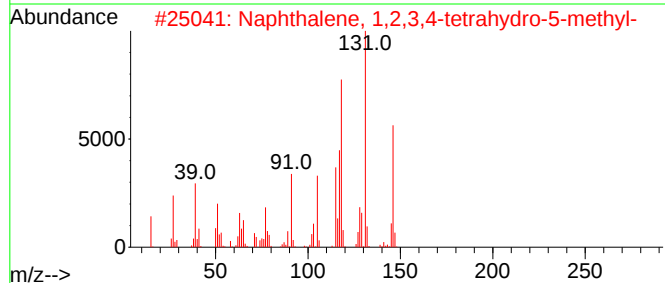
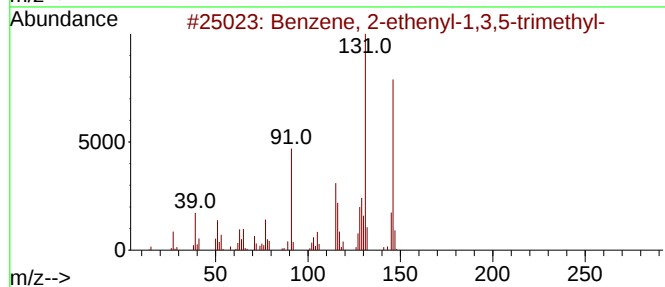
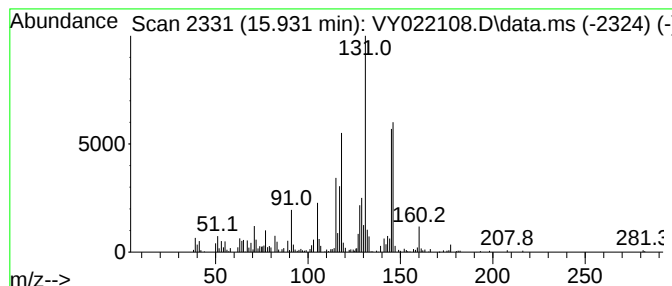
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Quant Title : SW846 8260

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

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Peak Number 9 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 9

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.931 | 5.81 ug/l | 173025 | 1,4-Dichlorobenzene-d4 | 13.346 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-ethenyl-1,3,5-trimethyl- | 146 | C11H14  | 000769-25-5 | 83   |
| 2    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 002809-64-5 | 81   |
| 3    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14  | 001680-51-9 | 52   |
| 4    |    |   | 1H-Benzimidazole, 5,6-dimethyl-     | 146 | C9H10N2 | 000582-60-5 | 49   |
| 5    |    |   | Benzene, (3-methyl-2-butenyl)-      | 146 | C11H14  | 004489-84-3 | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050125\  
Data File : VY022108.D  
Acq On : 01 May 2025 15:28  
Operator : SY/MD  
Sample : Q1914-02  
Misc : 7.60g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS-91

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
Quant Title : SW846 8260

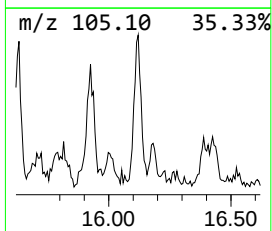
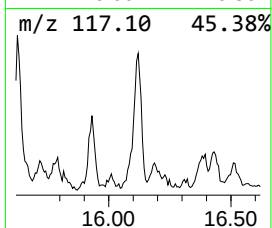
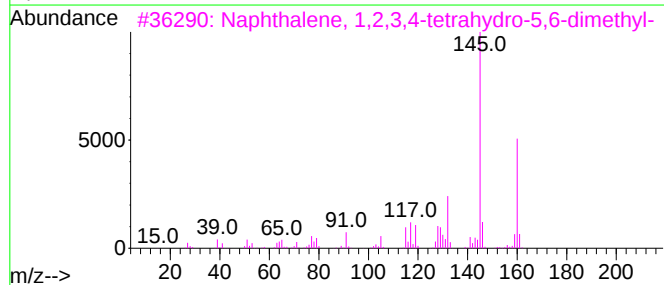
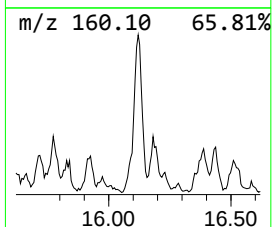
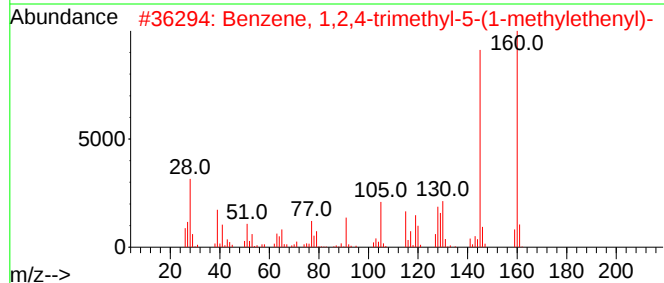
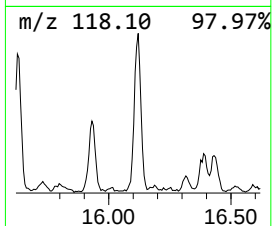
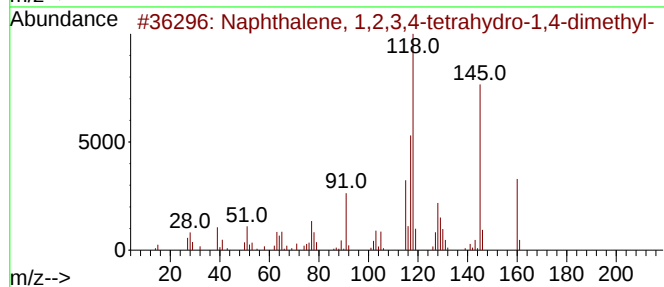
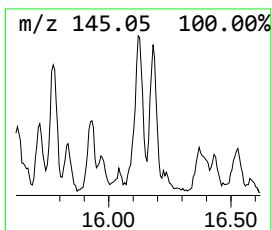
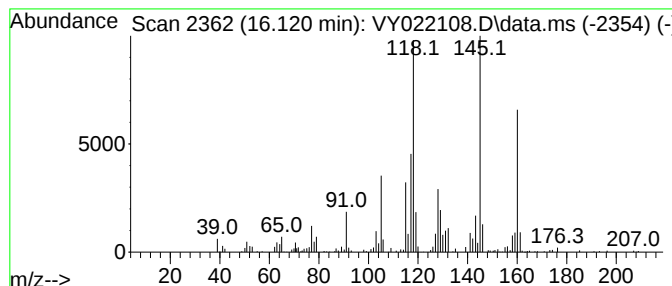
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 4

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 16.120 | 7.97 ug/l | 237451 | 1,4-Dichlorobenzene-d4 | 13.346 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 004175-54-6 | 90   |
| 2    |    |   | Benzene, 1,2,4-trimethyl-5-(1-me... | 160 | C12H16  | 054340-84-0 | 78   |
| 3    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 020027-77-4 | 70   |
| 4    |    |   | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 007524-63-2 | 62   |
| 5    |    |   | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16  | 014679-13-1 | 60   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050125\  
Data File : VY022108.D  
Acq On : 01 May 2025 15:28  
Operator : SY/MD  
Sample : Q1914-02  
Misc : 7.60g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS-91

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.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 |
| Undecane           | 13.676 | 7.2     | ug/l  | 213936   | 4                     | 13.346 | 1488850 | 50.0 |
| o-Cymene           | 13.889 | 10.2    | ug/l  | 304175   | 4                     | 13.346 | 1488850 | 50.0 |
| unknown14.529      | 14.529 | 5.6     | ug/l  | 165870   | 4                     | 13.346 | 1488850 | 50.0 |
| Benzene, 2-ethe... | 14.602 | 8.8     | ug/l  | 261046   | 4                     | 13.346 | 1488850 | 50.0 |
| Benzene, 1-ethy... | 14.864 | 6.3     | ug/l  | 187900   | 4                     | 13.346 | 1488850 | 50.0 |
| 1H-Indene, 2,3-... | 14.974 | 6.8     | ug/l  | 203997   | 4                     | 13.346 | 1488850 | 50.0 |
| 1,3-Cyclopentad... | 15.273 | 8.7     | ug/l  | 259119   | 4                     | 13.346 | 1488850 | 50.0 |
| Benzene, (1-met... | 15.626 | 5.9     | ug/l  | 174421   | 4                     | 13.346 | 1488850 | 50.0 |
| Benzene, 2-ethe... | 15.931 | 5.8     | ug/l  | 173025   | 4                     | 13.346 | 1488850 | 50.0 |
| Naphthalene, 1,... | 16.120 | 8.0     | ug/l  | 237451   | 4                     | 13.346 | 1488850 | 50.0 |