

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100323\  
 Data File : VY015817.D  
 Acq On : 03 Oct 2023 19:40  
 Operator : SY/MD  
 Sample : 04704-05  
 Misc : 5.11g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-104-1(5-10)

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\82Y091923S.M  
 Title : SW846 8260

Signal : TIC: VY015817.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         | 4.710       | 461           | 474         | 492          | rBV      | 51225          | 167613        | 1.09%           | 0.261%        |
| 2         | 7.716       | 957           | 967         | 972          | rBV      | 154903         | 367871        | 2.39%           | 0.572%        |
| 3         | 7.783       | 972           | 978         | 988          | rVB      | 264389         | 614572        | 4.00%           | 0.956%        |
| 4         | 8.149       | 1027          | 1038        | 1051         | rBV2     | 252992         | 684053        | 4.45%           | 1.064%        |
| 5         | 8.685       | 1117          | 1126        | 1140         | rBV      | 415507         | 812181        | 5.28%           | 1.263%        |
| 6         | 10.179      | 1363          | 1371        | 1377         | rBV      | 644906         | 1164585       | 7.57%           | 1.811%        |
| 7         | 10.240      | 1377          | 1381        | 1387         | rVB      | 121758         | 218058        | 1.42%           | 0.339%        |
| 8         | 11.489      | 1578          | 1586        | 1593         | rBV      | 595071         | 973806        | 6.33%           | 1.514%        |
| 9         | 11.593      | 1595          | 1603        | 1608         | rBV      | 109805         | 220374        | 1.43%           | 0.343%        |
| 10        | 11.697      | 1614          | 1620        | 1627         | rVB      | 98900          | 194320        | 1.26%           | 0.302%        |
| 11        | 12.026      | 1669          | 1674        | 1688         | rVB3     | 179187         | 387499        | 2.52%           | 0.603%        |
| 12        | 12.392      | 1712          | 1734        | 1736         | rBV4     | 298227         | 1463490       | 9.51%           | 2.276%        |
| 13        | 12.477      | 1744          | 1748        | 1772         | rVB2     | 670732         | 1550255       | 10.08%          | 2.411%        |
| 14        | 12.733      | 1783          | 1790        | 1792         | rBV      | 151432         | 246465        | 1.60%           | 0.383%        |
| 15        | 12.764      | 1792          | 1795        | 1799         | rVV2     | 121625         | 163490        | 1.06%           | 0.254%        |
| 16        | 12.806      | 1799          | 1802        | 1806         | rVB      | 122185         | 165315        | 1.07%           | 0.257%        |
| 17        | 12.940      | 1807          | 1824        | 1835         | rBV2     | 574873         | 2988015       | 19.43%          | 4.647%        |
| 18        | 13.056      | 1836          | 1843        | 1844         | rBV      | 203123         | 382076        | 2.48%           | 0.594%        |
| 19        | 13.117      | 1850          | 1853        | 1858         | rVB      | 441415         | 660898        | 4.30%           | 1.028%        |
| 20        | 13.166      | 1858          | 1861        | 1866         | rVB      | 103340         | 155688        | 1.01%           | 0.242%        |
| 21        | 13.422      | 1898          | 1903        | 1906         | rBV      | 534150         | 819619        | 5.33%           | 1.275%        |
| 22        | 13.453      | 1906          | 1908        | 1912         | rVB      | 246308         | 298707        | 1.94%           | 0.465%        |
| 23        | 13.623      | 1932          | 1936        | 1940         | rBV      | 763317         | 1218231       | 7.92%           | 1.895%        |
| 24        | 13.806      | 1960          | 1966        | 1973         | rVB      | 475787         | 728677        | 4.74%           | 1.133%        |
| 25        | 13.971      | 1987          | 1993        | 1996         | rBV3     | 221209         | 384033        | 2.50%           | 0.597%        |
| 26        | 14.013      | 1996          | 2000        | 2007         | rVB3     | 148408         | 348183        | 2.26%           | 0.541%        |
| 27        | 14.105      | 2012          | 2015        | 2021         | rVB2     | 161806         | 238032        | 1.55%           | 0.370%        |
| 28        | 14.215      | 2027          | 2033        | 2035         | rBV      | 93004          | 161700        | 1.05%           | 0.251%        |
| 29        | 14.294      | 2035          | 2046        | 2049         | rVV4     | 225873         | 731361        | 4.75%           | 1.137%        |
| 30        | 14.330      | 2049          | 2052        | 2057         | rVB      | 346900         | 490192        | 3.19%           | 0.762%        |
| 31        | 14.434      | 2063          | 2069        | 2073         | rBV3     | 121824         | 202294        | 1.32%           | 0.315%        |
| 32        | 14.562      | 2085          | 2090        | 2095         | rVB      | 263295         | 389790        | 2.53%           | 0.606%        |
| 33        | 14.678      | 2102          | 2109        | 2114         | rBV3     | 634899         | 1456407       | 9.47%           | 2.265%        |
| 34        | 14.745      | 2114          | 2120        | 2128         | rVV2     | 820383         | 1528961       | 9.94%           | 2.378%        |
| 35        | 14.830      | 2128          | 2134        | 2142         | rVV      | 1001798        | 1730227       | 11.25%          | 2.691%        |
| 36        | 14.934      | 2145          | 2151        | 2165         | rVV6     | 175940         | 641663        | 4.17%           | 0.998%        |

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Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-104-1(5-10)

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\82Y091923S.M

Title : SW846 8260

|    |        |      |      |      |      |         |          |         |         |
|----|--------|------|------|------|------|---------|----------|---------|---------|
| 37 | 15.050 | 2165 | 2170 | 2176 | rVB4 | 112953  | 226674   | 1.47%   | 0.353%  |
| 38 | 15.233 | 2190 | 2200 | 2211 | rVV  | 9187425 | 15382087 | 100.00% | 23.922% |
| 39 | 15.330 | 2211 | 2216 | 2222 | rVV2 | 284601  | 558533   | 3.63%   | 0.869%  |
| 40 | 15.397 | 2222 | 2227 | 2241 | rVB7 | 118044  | 392501   | 2.55%   | 0.610%  |
| 41 | 15.519 | 2242 | 2247 | 2251 | rBV  | 102265  | 183352   | 1.19%   | 0.285%  |
| 42 | 15.611 | 2255 | 2262 | 2265 | rVV4 | 81189   | 224104   | 1.46%   | 0.349%  |
| 43 | 15.659 | 2265 | 2270 | 2273 | rVV2 | 120815  | 237346   | 1.54%   | 0.369%  |
| 44 | 15.708 | 2273 | 2278 | 2283 | rVV3 | 260913  | 601721   | 3.91%   | 0.936%  |
| 45 | 15.757 | 2283 | 2286 | 2291 | rVV  | 210024  | 350835   | 2.28%   | 0.546%  |
| 46 | 15.830 | 2291 | 2298 | 2315 | rVB3 | 258511  | 870206   | 5.66%   | 1.353%  |
| 47 | 16.098 | 2336 | 2342 | 2354 | rVV2 | 107286  | 334880   | 2.18%   | 0.521%  |
| 48 | 16.226 | 2354 | 2363 | 2367 | rVV  | 318695  | 723181   | 4.70%   | 1.125%  |
| 49 | 16.287 | 2367 | 2373 | 2386 | rVV  | 2934199 | 5939722  | 38.61%  | 9.237%  |
| 50 | 16.409 | 2387 | 2393 | 2397 | rVV  | 81588   | 171360   | 1.11%   | 0.266%  |
| 51 | 16.482 | 2397 | 2405 | 2415 | rVB  | 6463070 | 13155180 | 85.52%  | 20.459% |

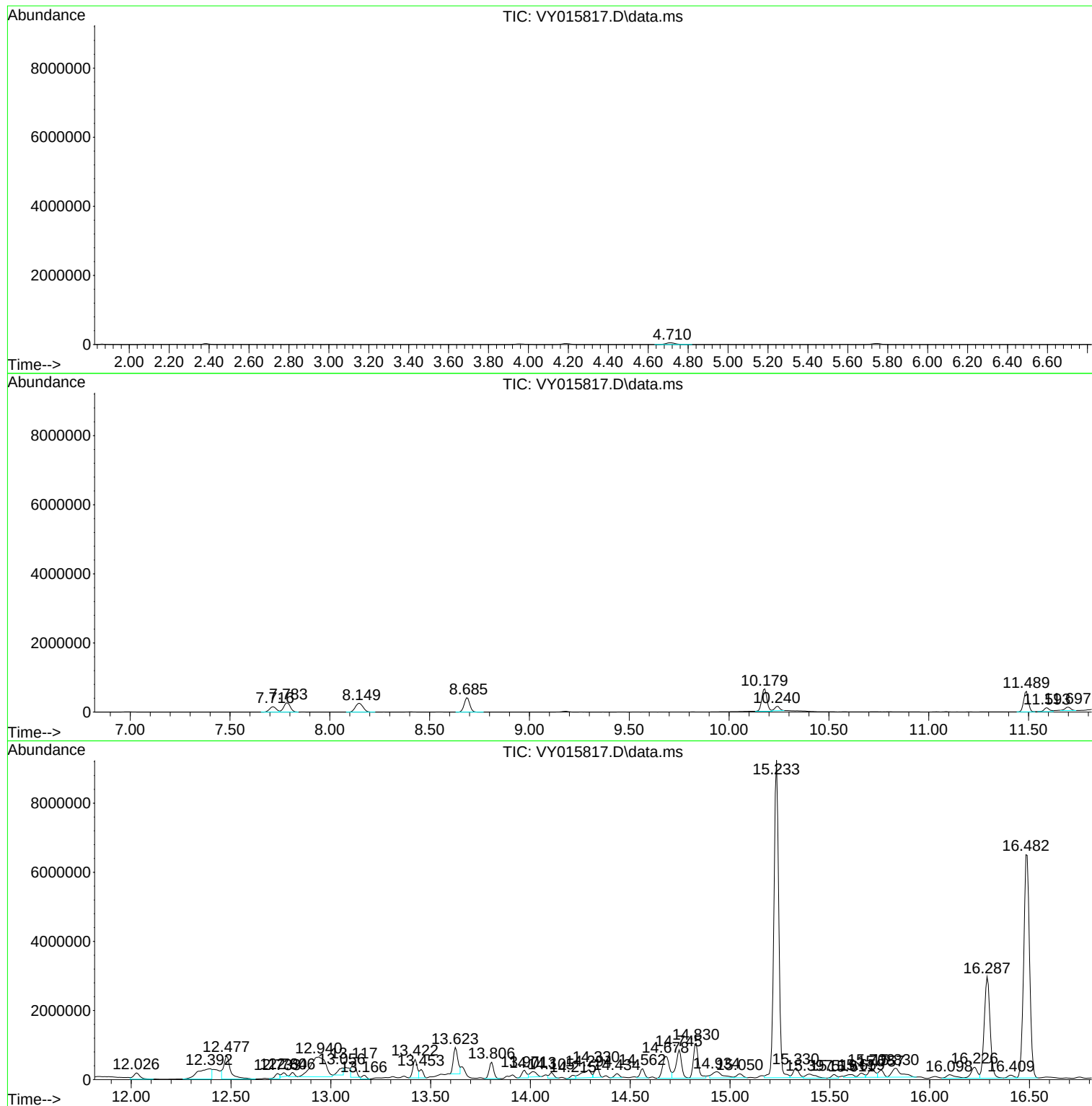
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ClientSampleId :  
SB-104-1(5-10)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
Quant Title : SW846 8260

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



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-104-1(5-10)

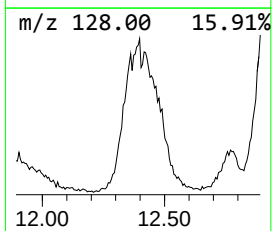
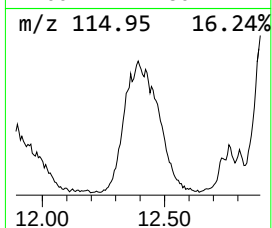
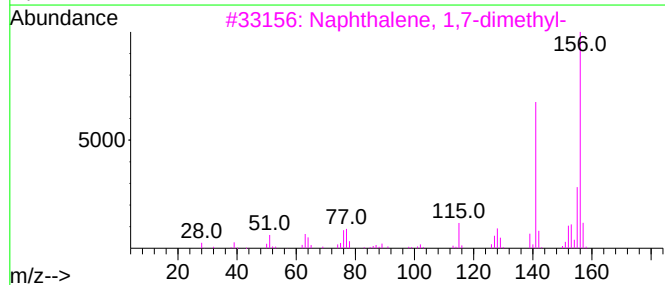
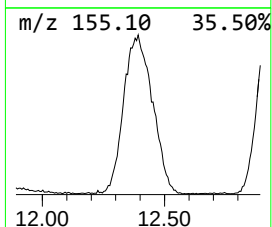
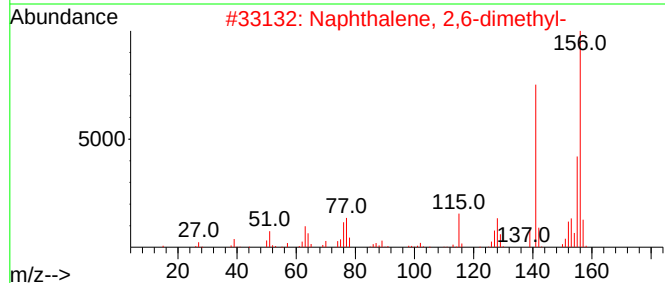
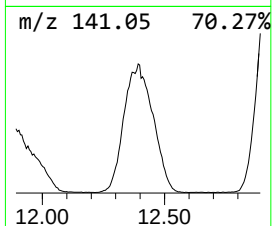
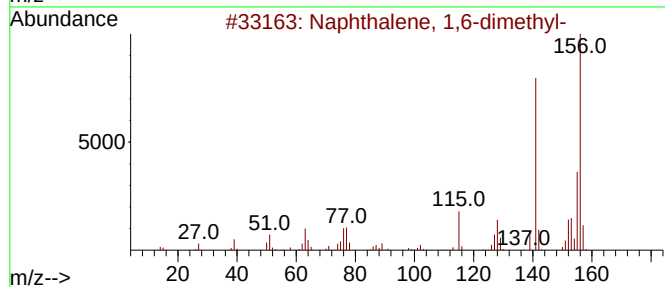
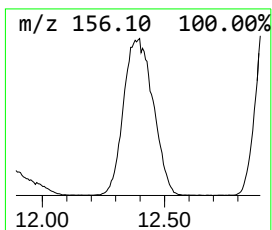
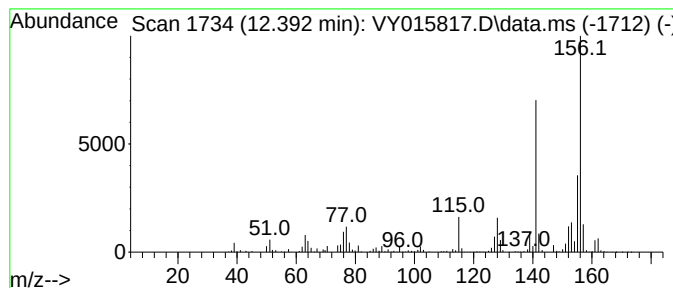
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 8

| R.T.   | EstConc    | Area    | Relative to ISTD | R.T.   |
|--------|------------|---------|------------------|--------|
| 12.392 | 75.14 ug/l | 1463490 | Chlorobenzene-d5 | 11.489 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 98   |
| 2    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |
| 3    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 96   |
| 4    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 96   |
| 5    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 96   |



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-104-1(5-10)

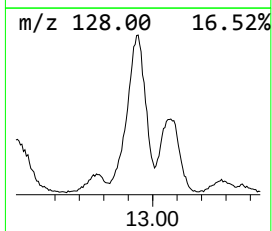
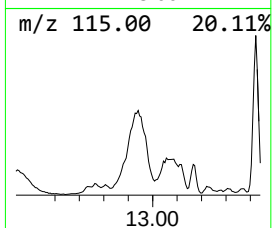
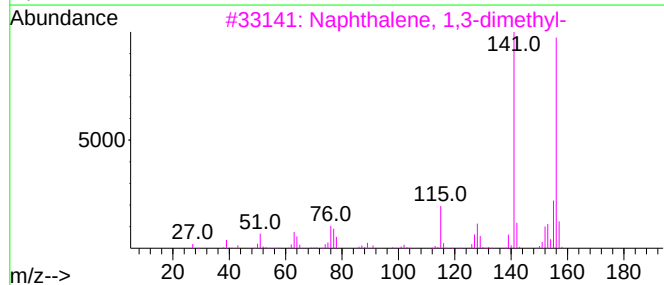
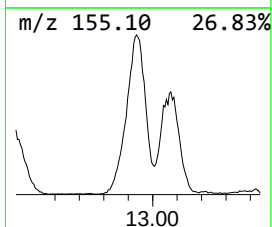
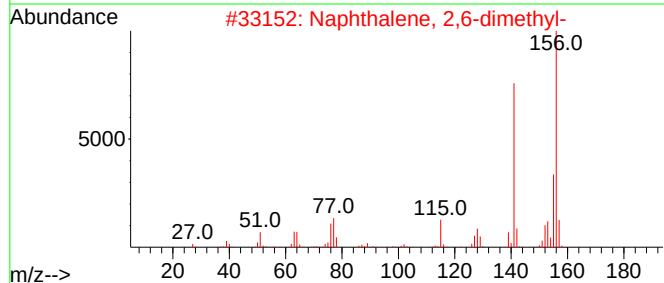
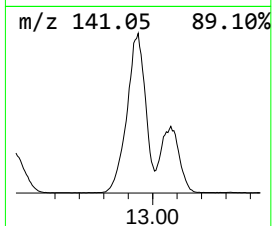
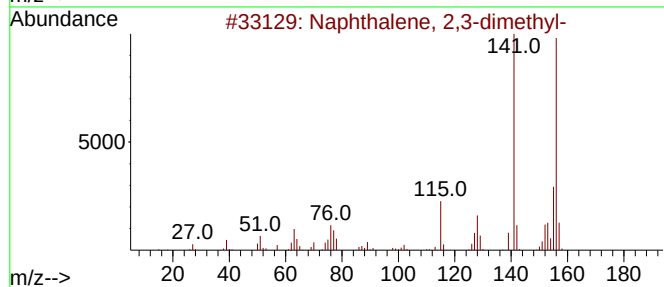
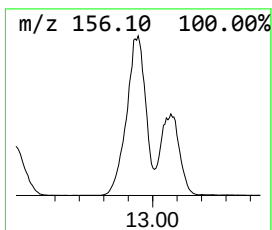
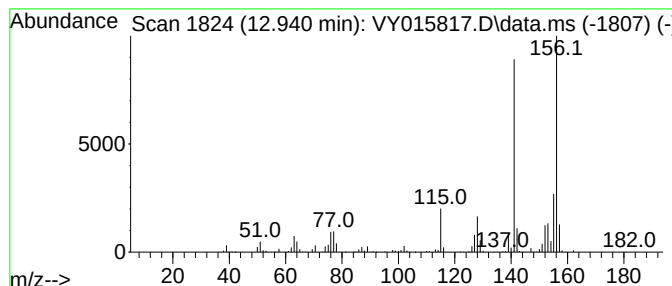
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 4

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 12.940 | 182.28 ug/l | 2988020 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 98   |
| 2    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |
| 3    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 97   |
| 4    |    |   | Naphthalene, 1,2-dimethyl- | 156 | C12H12  | 000573-98-8 | 96   |
| 5    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 96   |



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ClientSampleId :  
SB-104-1(5-10)

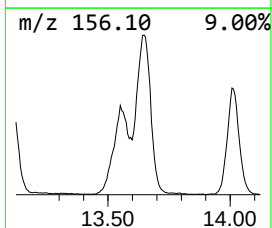
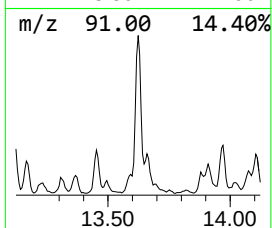
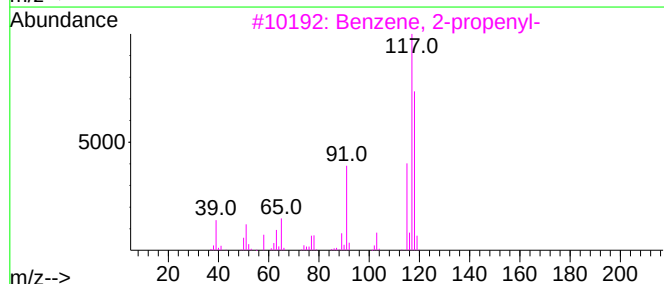
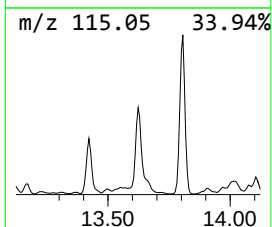
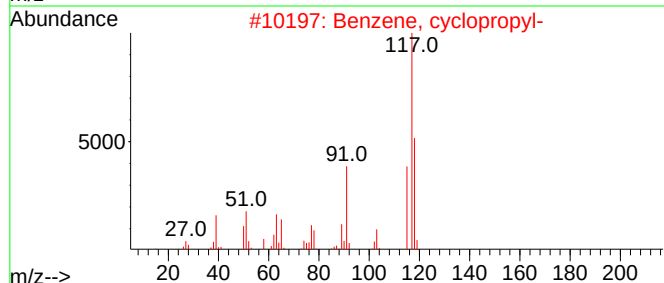
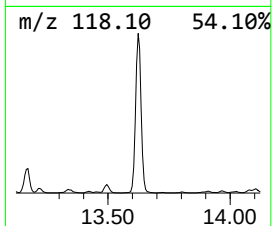
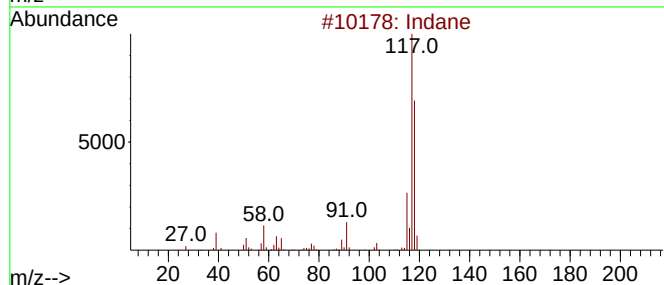
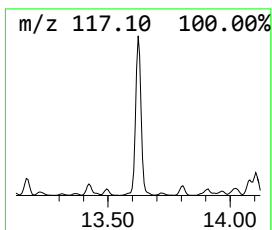
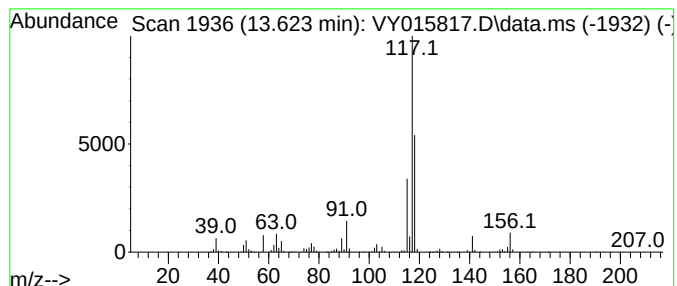
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
Quant Title : SW846 8260

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

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Peak Number 3 Indane Concentration Rank 9

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 13.623 | 74.32 ug/l | 1218230 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Indane                              | 118 | C9H10   | 000496-11-7 | 90   |
| 2    |    |   | Benzene, cyclopropyl-               | 118 | C9H10   | 000873-49-4 | 76   |
| 3    |    |   | Benzene, 2-propenyl-                | 118 | C9H10   | 000300-57-2 | 72   |
| 4    |    |   | Delatcyclene                        | 118 | C9H10   | 007785-10-6 | 53   |
| 5    |    |   | Benzene, 1-(chloromethyl)-3-ethe... | 152 | C9H9Cl  | 039833-65-3 | 53   |



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MSVOA\_Y  
ClientSampleId :  
SB-104-1(5-10)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
Quant Title : SW846 8260

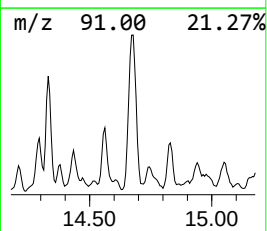
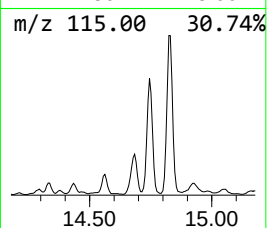
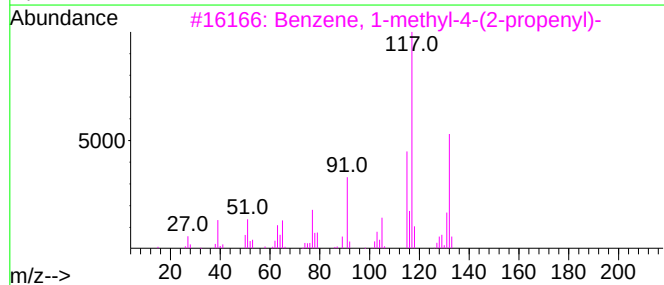
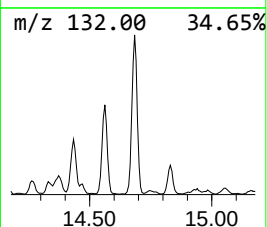
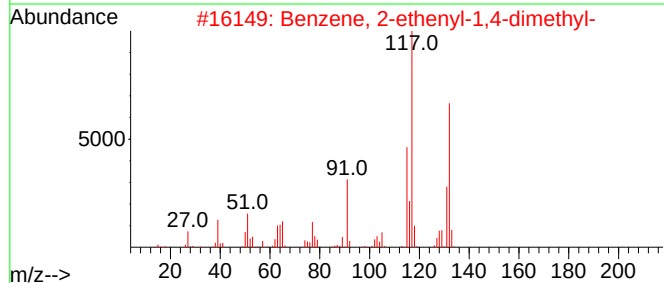
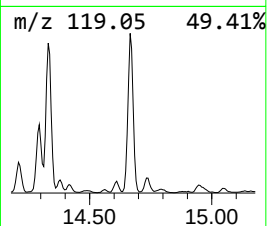
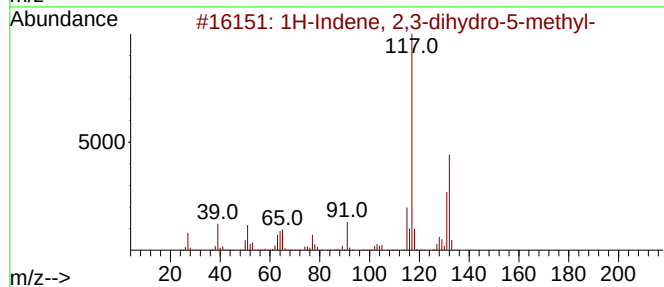
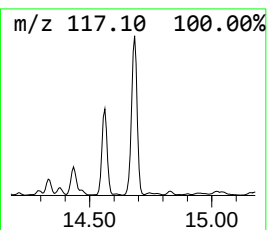
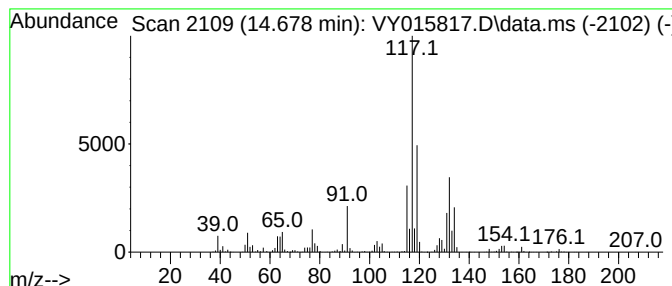
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 7

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 14.678 | 88.85 ug/l | 1456410 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of 5                              | Tentative ID | MW     | MolForm     | CAS# | Qual |
|------|-----------------------------------|--------------|--------|-------------|------|------|
| 1    | 1H-Indene, 2,3-dihydro-5-methyl-  | 132          | C10H12 | 000874-35-1 | 91   |      |
| 2    | Benzene, 2-ethenyl-1,4-dimethyl-  | 132          | C10H12 | 002039-89-6 | 90   |      |
| 3    | Benzene, 1-methyl-4-(2-propenyl)- | 132          | C10H12 | 003333-13-9 | 64   |      |
| 4    | 1-Phenyl-1-butene                 | 132          | C10H12 | 000824-90-8 | 64   |      |
| 5    | Benzene, 1-ethenyl-4-ethyl-       | 132          | C10H12 | 003454-07-7 | 64   |      |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100323\  
Data File : VY015817.D  
Acq On : 03 Oct 2023 19:40  
Operator : SY/MD  
Sample : 04704-05  
Misc : 5.11g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-104-1(5-10)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
Quant Title : SW846 8260

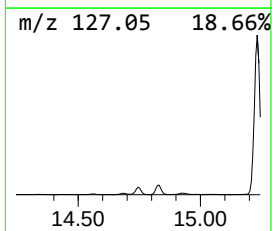
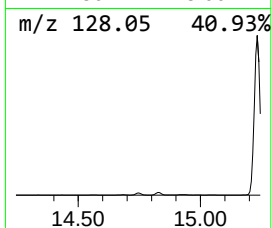
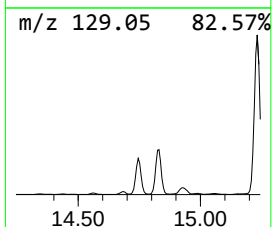
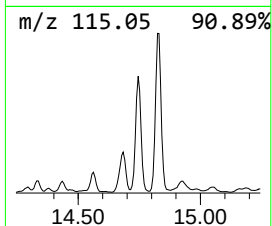
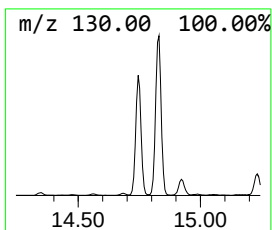
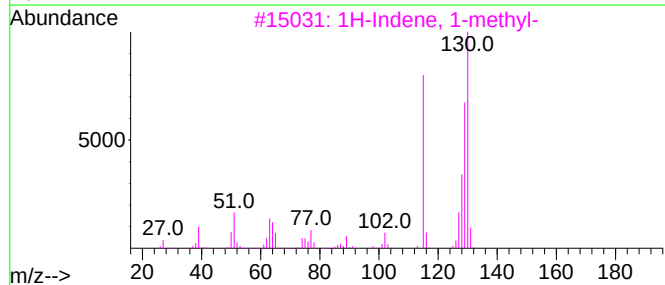
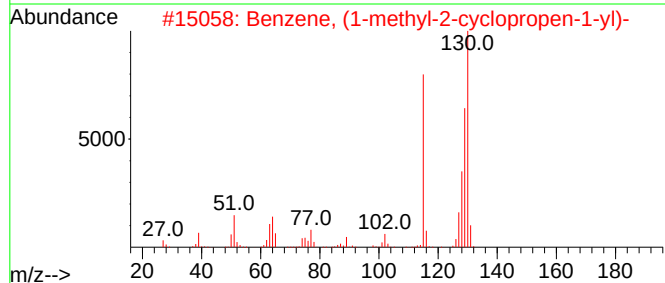
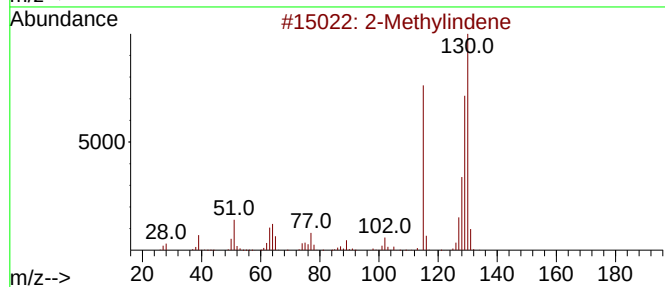
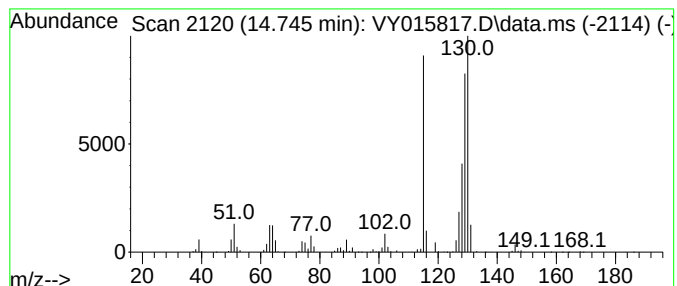
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 2-Methylindene Concentration Rank 6

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 14.745 | 93.27 ug/l | 1528960 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Methylindene                      | 130 | C10H10  | 002177-47-1 | 97   |
| 2    |    |   | Benzene, (1-methyl-2-cyclopropen... | 130 | C10H10  | 065051-83-4 | 97   |
| 3    |    |   | 1H-Indene, 1-methyl-                | 130 | C10H10  | 000767-59-9 | 95   |
| 4    |    |   | Cycloprop[a]indene, 1,1a,6,6a-te... | 130 | C10H10  | 015677-15-3 | 95   |
| 5    |    |   | Benzene,1-methyl-1,2-propadienyl-   | 130 | C10H10  | 022433-39-2 | 94   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100323\  
Data File : VY015817.D  
Acq On : 03 Oct 2023 19:40  
Operator : SY/MD  
Sample : 04704-05  
Misc : 5.11g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-104-1(5-10)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
Quant Title : SW846 8260

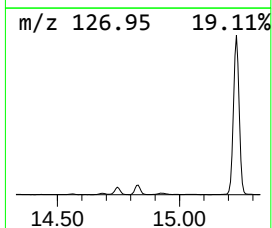
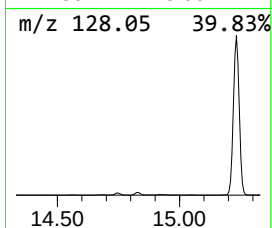
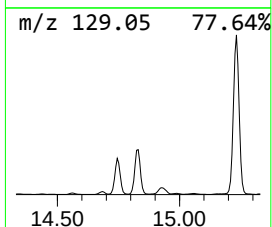
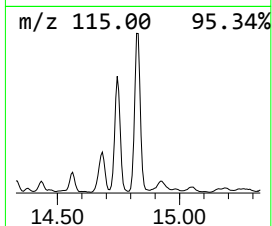
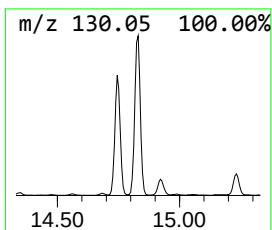
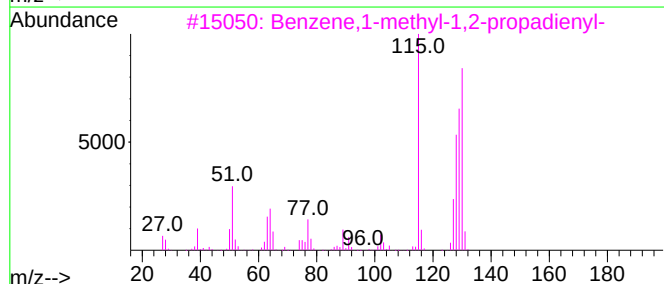
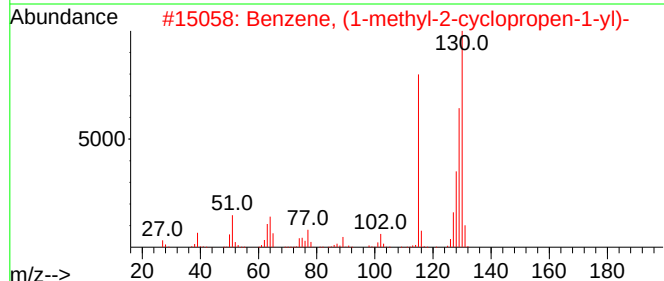
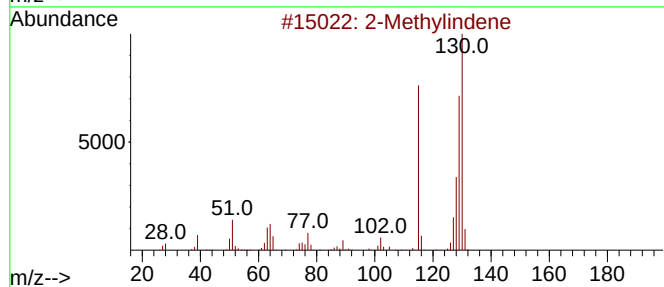
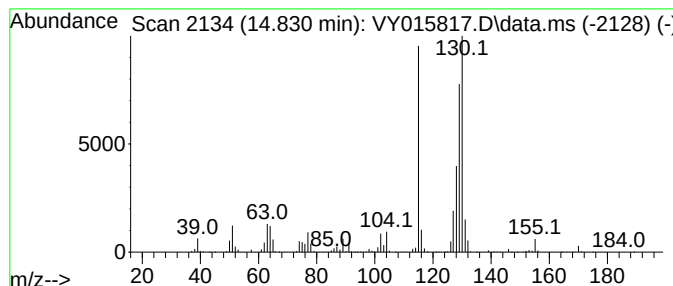
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Benzene, (1-methyl-2-cyclop... Concentration Rank 5

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 14.830 | 105.55 ug/l | 1730230 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of                                  | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-------------------------------------|---|--------------|-----|---------|-------------|------|
| 1    | 2-Methylindene                      |   |              | 130 | C10H10  | 002177-47-1 | 96   |
| 2    | Benzene, (1-methyl-2-cyclopropen... |   |              | 130 | C10H10  | 065051-83-4 | 96   |
| 3    | Benzene,1-methyl-1,2-propadienyl-   |   |              | 130 | C10H10  | 022433-39-2 | 94   |
| 4    | 1H-Indene, 1-methyl-                |   |              | 130 | C10H10  | 000767-59-9 | 94   |
| 5    | 1H-Indene, 3-methyl-                |   |              | 130 | C10H10  | 000767-60-2 | 94   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100323\  
Data File : VY015817.D  
Acq On : 03 Oct 2023 19:40  
Operator : SY/MD  
Sample : 04704-05  
Misc : 5.11g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-104-1(5-10)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
Quant Title : SW846 8260

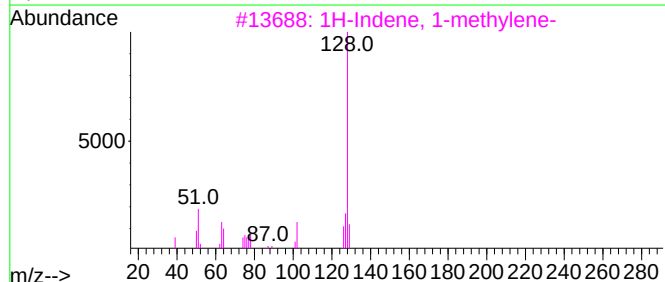
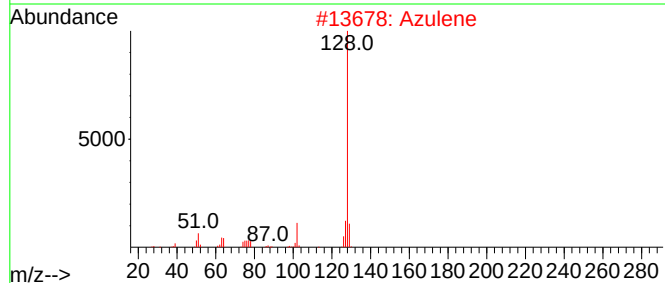
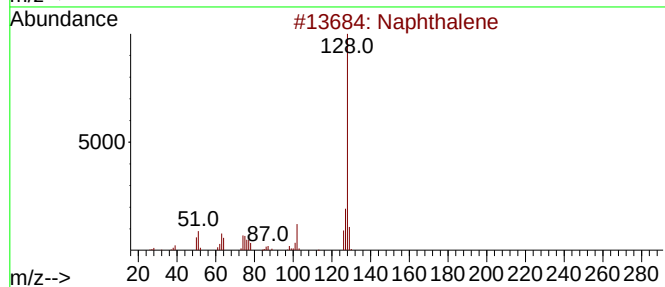
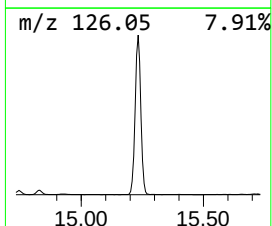
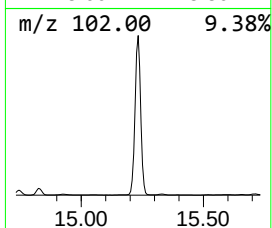
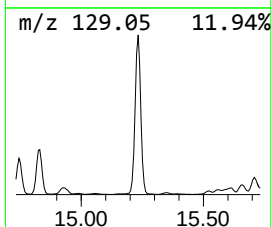
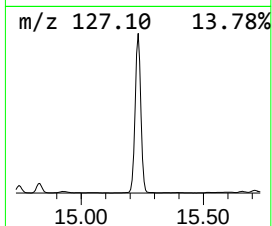
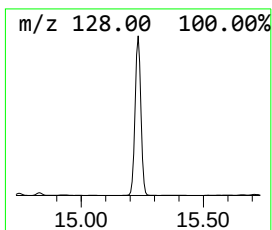
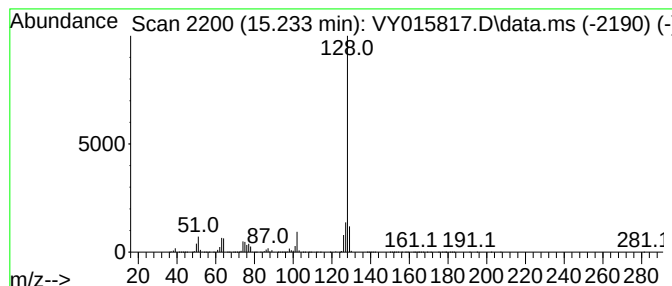
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Azulene Concentration Rank 1

| R.T.   | EstConc     | Area     | Relative to ISTD       | R.T.   |
|--------|-------------|----------|------------------------|--------|
| 15.233 | 938.37 ug/l | 15382100 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene                         | 128 | C10H8   | 000091-20-3  | 97   |
| 2    |    |   | Azulene                             | 128 | C10H8   | 000275-51-4  | 94   |
| 3    |    |   | 1H-Indene, 1-methylene-             | 128 | C10H8   | 002471-84-3  | 87   |
| 4    |    |   | 1H-Cyclopenta[c]thiophene, hexah... | 128 | C7H12S  | 053907-80-5  | 50   |
| 5    |    |   | 4-Phenylbut-3-ene-1-yne             | 128 | C10H8   | 1000222-12-0 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100323\  
Data File : VY015817.D  
Acq On : 03 Oct 2023 19:40  
Operator : SY/MD  
Sample : 04704-05  
Misc : 5.11g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-104-1(5-10)

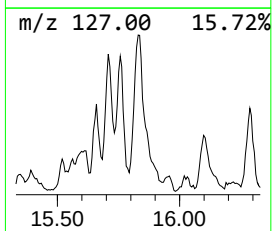
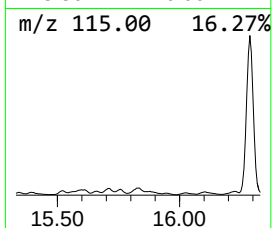
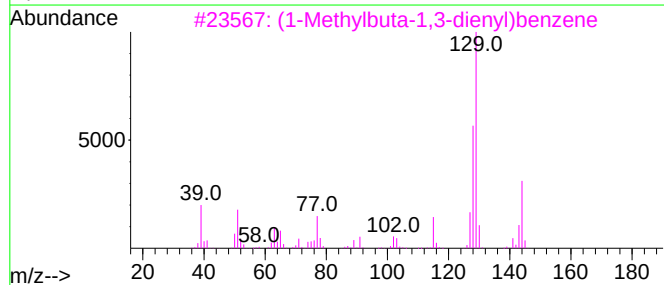
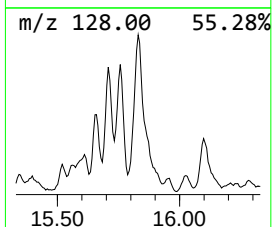
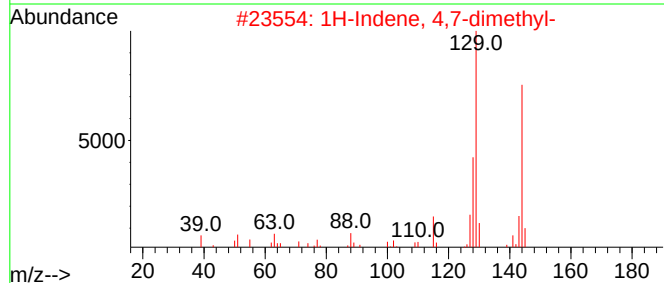
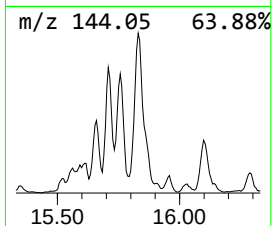
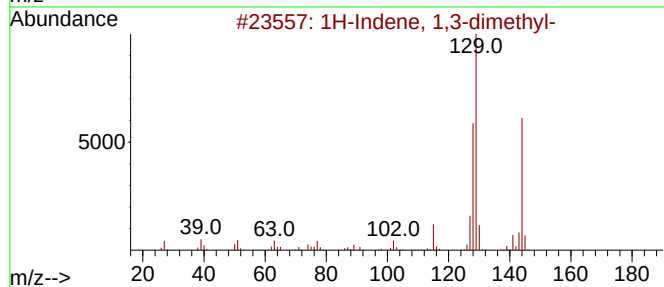
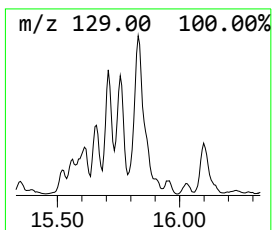
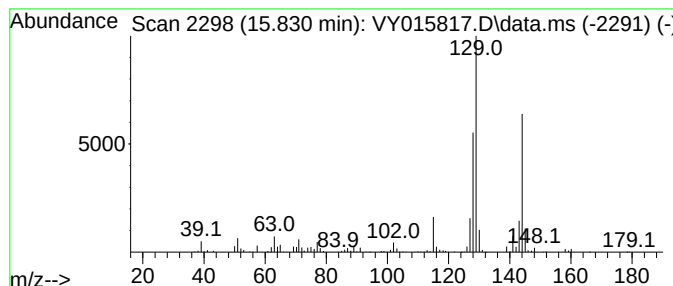
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Quant Title : SW846 8260

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

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Peak Number 8 1H-Indene, 1,3-dimethyl- Concentration Rank 10

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.830 | 53.09 ug/l | 870206 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 1,3-dimethyl-         | 144 | C11H12  | 002177-48-2 | 97   |
| 2    |    |   | 1H-Indene, 4,7-dimethyl-         | 144 | C11H12  | 006974-97-6 | 93   |
| 3    |    |   | (1-Methylbuta-1,3-dienyl)benzene | 144 | C11H12  | 054758-36-0 | 91   |
| 4    |    |   | 1H-Indene, 1,1-dimethyl-         | 144 | C11H12  | 018636-55-0 | 90   |
| 5    |    |   | (1-Methylenebut-2-enyl)benzene   | 144 | C11H12  | 070588-46-4 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100323\  
Data File : VY015817.D  
Acq On : 03 Oct 2023 19:40  
Operator : SY/MD  
Sample : 04704-05  
Misc : 5.11g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-104-1(5-10)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
Quant Title : SW846 8260

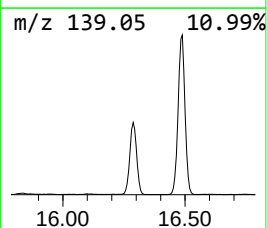
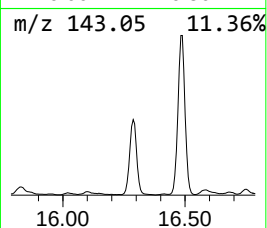
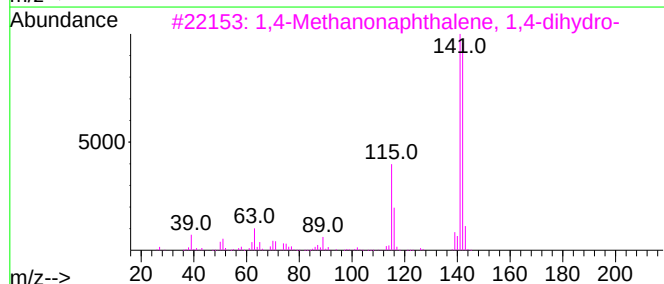
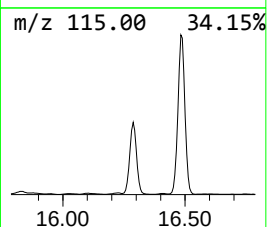
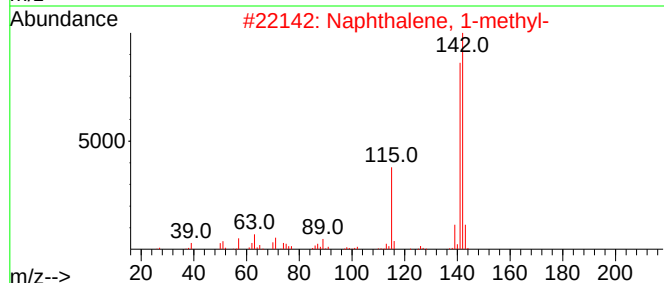
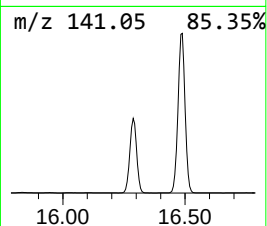
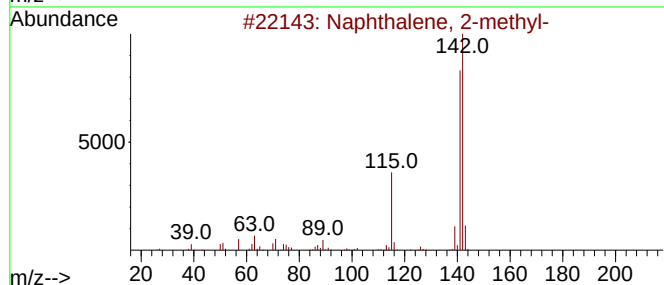
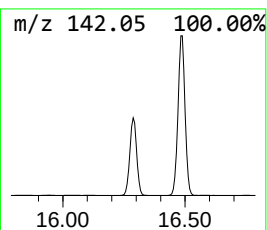
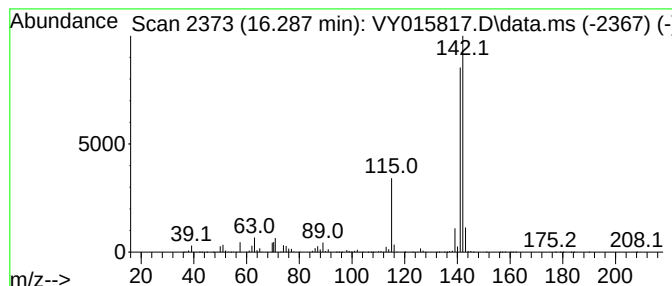
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 1,4-Methanonaphthalene, 1,4... Concentration Rank 3

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 16.287 | 362.35 ug/l | 5939720 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 90   |
| 4    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 90   |
| 5    |    |   | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 46   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100323\  
Data File : VY015817.D  
Acq On : 03 Oct 2023 19:40  
Operator : SY/MD  
Sample : 04704-05  
Misc : 5.11g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-104-1(5-10)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
Quant Title : SW846 8260

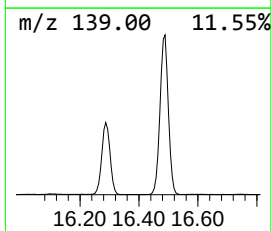
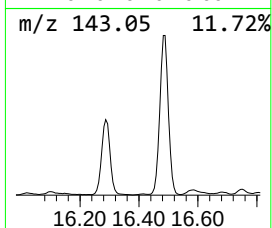
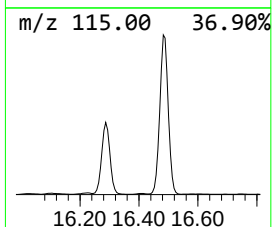
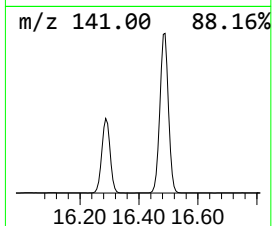
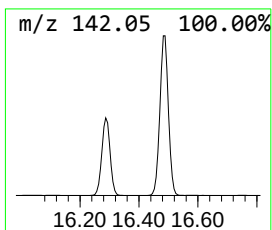
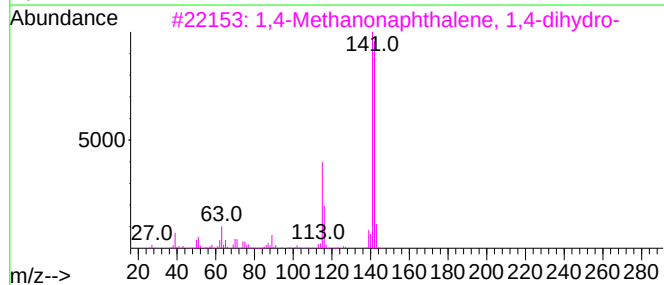
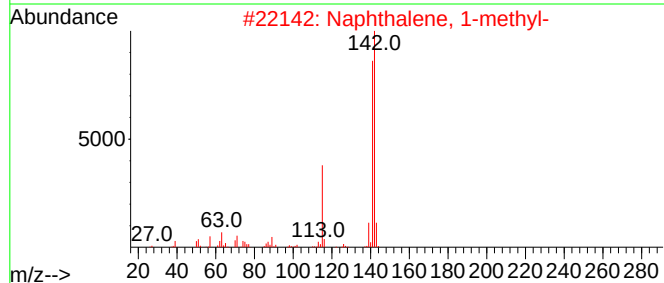
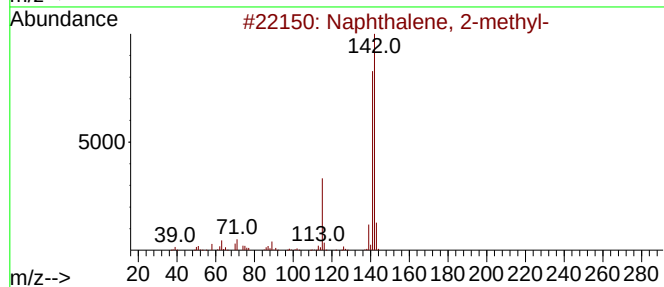
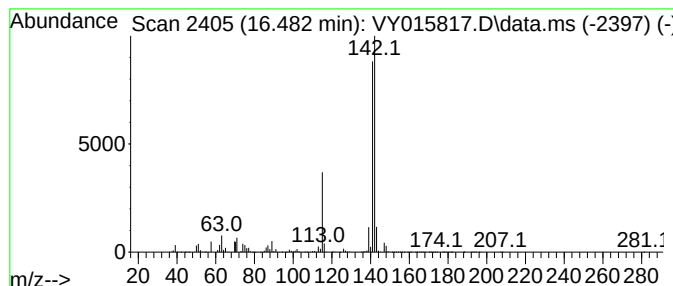
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Benzocycloheptatriene Concentration Rank 2

| R.T.   | EstConc     | Area     | Relative to ISTD       | R.T.   |
|--------|-------------|----------|------------------------|--------|
| 16.483 | 802.52 ug/l | 13155200 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |      | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |      | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 90   |
| 4    |      | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 90   |
| 5    |      | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 72   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100323\  
Data File : VY015817.D  
Acq On : 03 Oct 2023 19:40  
Operator : SY/MD  
Sample : 04704-05  
Misc : 5.11g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-104-1(5-10)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.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, 1,... | 12.392 | 75.1    | ug/l  | 1463490  | 3                     | 11.489 | 973806 | 50.0 |
| Naphthalene, 2,... | 12.940 | 182.3   | ug/l  | 2988020  | 4                     | 13.422 | 819619 | 50.0 |
| Indane             | 13.623 | 74.3    | ug/l  | 1218230  | 4                     | 13.422 | 819619 | 50.0 |
| 1H-Indene, 2,3-... | 14.678 | 88.8    | ug/l  | 1456410  | 4                     | 13.422 | 819619 | 50.0 |
| 2-Methylindene     | 14.745 | 93.3    | ug/l  | 1528960  | 4                     | 13.422 | 819619 | 50.0 |
| Benzene, (1-met... | 14.830 | 105.6   | ug/l  | 1730230  | 4                     | 13.422 | 819619 | 50.0 |
| Azulene            | 15.233 | 938.4   | ug/l  | 15382100 | 4                     | 13.422 | 819619 | 50.0 |
| 1H-Indene, 1,3-... | 15.830 | 53.1    | ug/l  | 870206   | 4                     | 13.422 | 819619 | 50.0 |
| 1,4-Methanonaph... | 16.287 | 362.4   | ug/l  | 5939720  | 4                     | 13.422 | 819619 | 50.0 |
| Benzocyclohepta... | 16.483 | 802.5   | ug/l  | 13155200 | 4                     | 13.422 | 819619 | 50.0 |