

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100423\  
 Data File : VY015836.D  
 Acq On : 04 Oct 2023 18:36  
 Operator : SY/MD  
 Sample : 04704-06  
 Misc : 4.56g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 R-4(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: VY015836.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         | 4.186       | 379           | 388         | 398          | rBV      | 23293          | 62118         | 1.40%           | 0.298%        |
| 2         | 4.704       | 463           | 473         | 492          | rBV      | 23986          | 80209         | 1.81%           | 0.385%        |
| 3         | 7.716       | 955           | 967         | 972          | rBV      | 200989         | 478204        | 10.81%          | 2.293%        |
| 4         | 7.783       | 972           | 978         | 989          | rVB      | 372731         | 845061        | 19.10%          | 4.052%        |
| 5         | 8.136       | 1026          | 1036        | 1050         | rBV2     | 246184         | 596382        | 13.48%          | 2.860%        |
| 6         | 8.685       | 1115          | 1126        | 1141         | rBV      | 578707         | 1131834       | 25.58%          | 5.427%        |
| 7         | 10.179      | 1363          | 1371        | 1378         | rBV      | 886263         | 1541222       | 34.84%          | 7.390%        |
| 8         | 11.490      | 1578          | 1586        | 1596         | rBV      | 817129         | 1329704       | 30.06%          | 6.376%        |
| 9         | 11.593      | 1596          | 1603        | 1611         | rVV      | 39882          | 80863         | 1.83%           | 0.388%        |
| 10        | 11.697      | 1612          | 1620        | 1638         | rVB3     | 42438          | 140501        | 3.18%           | 0.674%        |
| 11        | 12.026      | 1662          | 1674        | 1681         | rBV3     | 58203          | 135877        | 3.07%           | 0.652%        |
| 12        | 12.233      | 1705          | 1708        | 1714         | rVV3     | 34746          | 57681         | 1.30%           | 0.277%        |
| 13        | 12.331      | 1716          | 1724        | 1729         | rVV5     | 46379          | 112396        | 2.54%           | 0.539%        |
| 14        | 12.386      | 1729          | 1733        | 1743         | rVV2     | 77365          | 182718        | 4.13%           | 0.876%        |
| 15        | 12.477      | 1743          | 1748        | 1759         | rVB      | 650762         | 1049624       | 23.72%          | 5.033%        |
| 16        | 12.642      | 1770          | 1775        | 1783         | rVB3     | 33228          | 56915         | 1.29%           | 0.273%        |
| 17        | 12.733      | 1783          | 1790        | 1793         | rBV      | 46598          | 86600         | 1.96%           | 0.415%        |
| 18        | 12.806      | 1797          | 1802        | 1808         | rVB4     | 77593          | 141564        | 3.20%           | 0.679%        |
| 19        | 12.910      | 1815          | 1819        | 1822         | rBV4     | 23035          | 51674         | 1.17%           | 0.248%        |
| 20        | 12.965      | 1826          | 1828        | 1835         | rVB      | 57822          | 90876         | 2.05%           | 0.436%        |
| 21        | 13.038      | 1836          | 1840        | 1848         | rBV6     | 32553          | 85355         | 1.93%           | 0.409%        |
| 22        | 13.117      | 1848          | 1853        | 1858         | rVV      | 110088         | 169430        | 3.83%           | 0.812%        |
| 23        | 13.312      | 1878          | 1885        | 1889         | rBV2     | 28271          | 54952         | 1.24%           | 0.264%        |
| 24        | 13.361      | 1889          | 1893        | 1897         | rVV2     | 28140          | 48523         | 1.10%           | 0.233%        |
| 25        | 13.422      | 1897          | 1903        | 1913         | rVB2     | 772759         | 1295032       | 29.27%          | 6.210%        |
| 26        | 13.623      | 1931          | 1936        | 1941         | rBV      | 297796         | 453201        | 10.24%          | 2.173%        |
| 27        | 13.751      | 1951          | 1957        | 1961         | rBV2     | 48336          | 77176         | 1.74%           | 0.370%        |
| 28        | 13.806      | 1961          | 1966        | 1974         | rVB2     | 82233          | 149414        | 3.38%           | 0.716%        |
| 29        | 13.971      | 1988          | 1993        | 1997         | rBV3     | 58571          | 90075         | 2.04%           | 0.432%        |
| 30        | 14.074      | 2005          | 2010        | 2014         | rBV2     | 47223          | 77711         | 1.76%           | 0.373%        |
| 31        | 14.209      | 2027          | 2032        | 2036         | rBV2     | 28281          | 46316         | 1.05%           | 0.222%        |
| 32        | 14.330      | 2048          | 2052        | 2056         | rVV      | 81682          | 126645        | 2.86%           | 0.607%        |
| 33        | 14.562      | 2085          | 2090        | 2094         | rBV      | 46353          | 70325         | 1.59%           | 0.337%        |
| 34        | 14.678      | 2102          | 2109        | 2115         | rBV3     | 159534         | 350763        | 7.93%           | 1.682%        |
| 35        | 14.745      | 2115          | 2120        | 2128         | rVB2     | 95129          | 165293        | 3.74%           | 0.793%        |
| 36        | 14.830      | 2128          | 2134        | 2143         | rBV      | 142462         | 249255        | 5.63%           | 1.195%        |

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Instrument :  
MSVOA\_Y  
ClientSampleId :  
R-4(5-10)

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 37 | 14.940 | 2146 | 2152 | 2165 | rVV7 | 40453   | 120892  | 2.73%   | 0.580%  |
| 38 | 15.050 | 2165 | 2170 | 2176 | rVB2 | 29252   | 54091   | 1.22%   | 0.259%  |
| 39 | 15.233 | 2190 | 2200 | 2211 | rVB  | 2688358 | 4424175 | 100.00% | 21.215% |
| 40 | 15.330 | 2211 | 2216 | 2222 | rBV2 | 58418   | 101599  | 2.30%   | 0.487%  |
| 41 | 15.519 | 2242 | 2247 | 2252 | rBV3 | 23776   | 45914   | 1.04%   | 0.220%  |
| 42 | 15.830 | 2291 | 2298 | 2302 | rBV3 | 43872   | 105391  | 2.38%   | 0.505%  |
| 43 | 16.098 | 2337 | 2342 | 2355 | rVV7 | 20235   | 70279   | 1.59%   | 0.337%  |
| 44 | 16.220 | 2355 | 2362 | 2366 | rVV  | 69266   | 147088  | 3.32%   | 0.705%  |
| 45 | 16.287 | 2366 | 2373 | 2387 | rVV  | 733946  | 1462117 | 33.05%  | 7.011%  |
| 46 | 16.483 | 2397 | 2405 | 2416 | rVB  | 1232152 | 2561412 | 57.90%  | 12.282% |

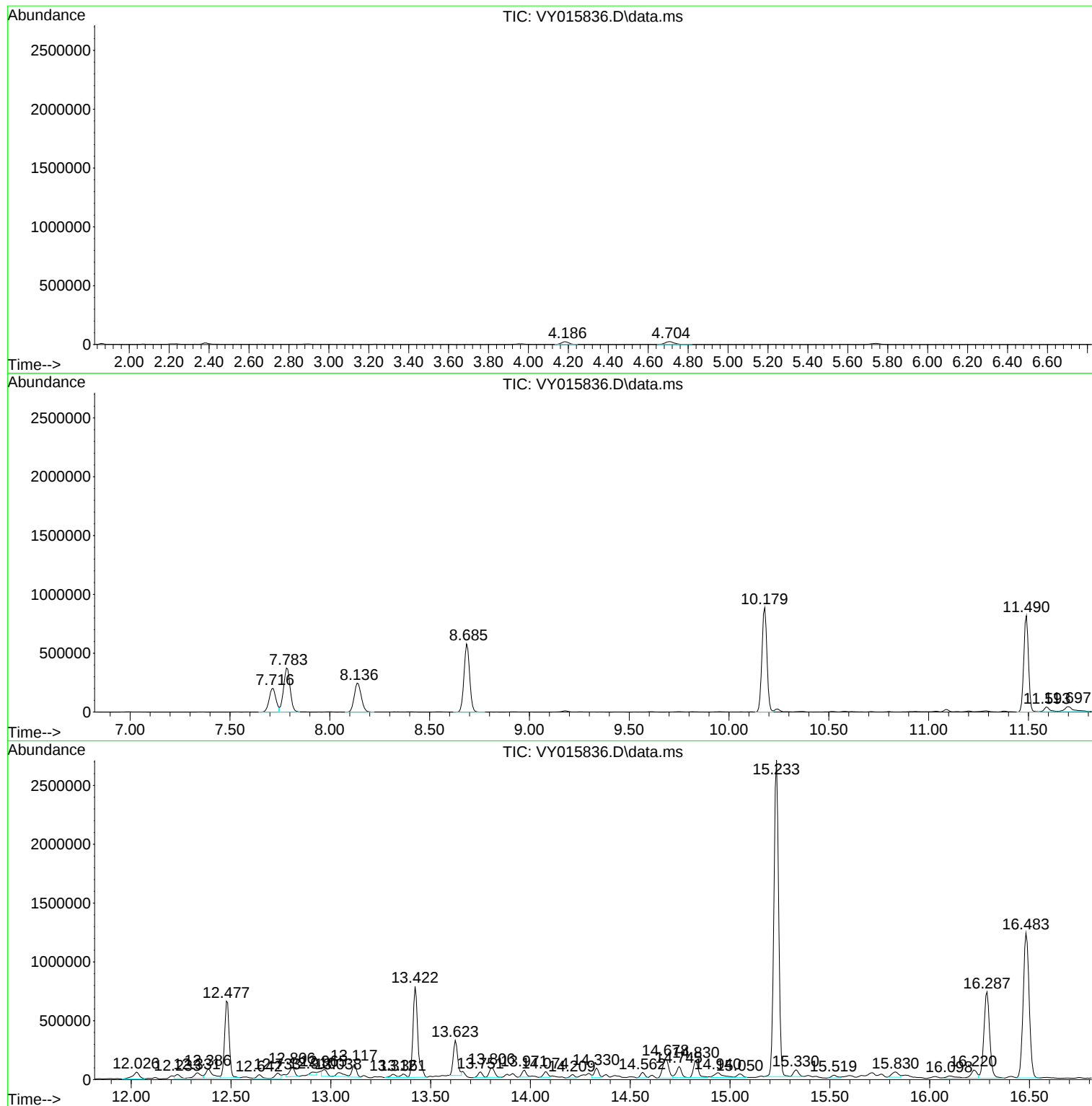
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MSVOA\_Y  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
Quant Title : SW846 8260

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



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
R-4(5-10)

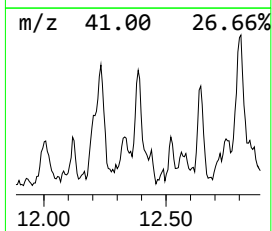
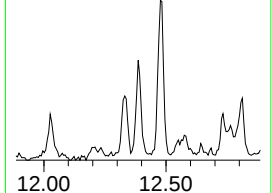
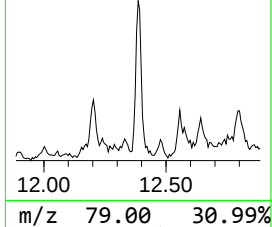
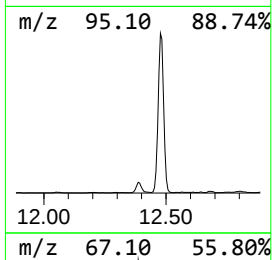
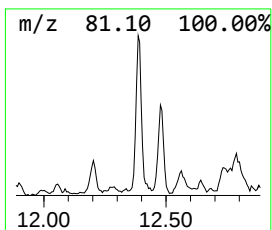
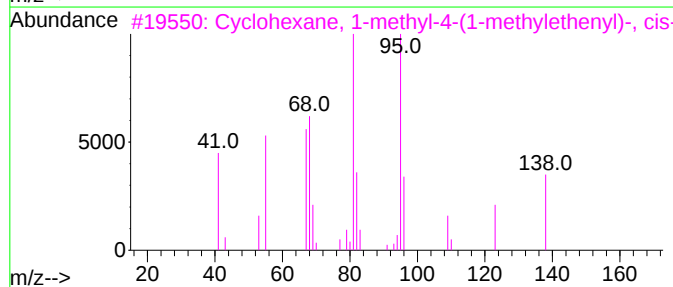
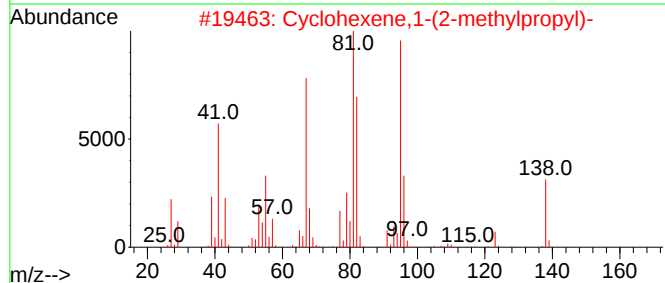
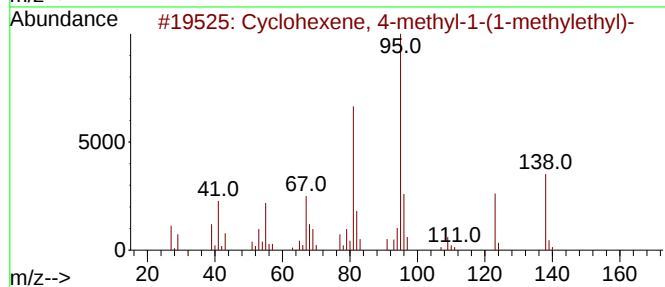
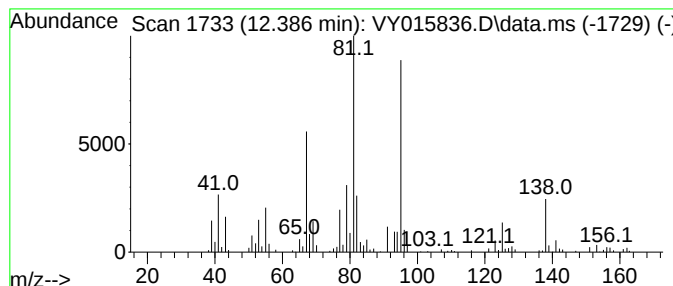
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Cyclohexene, 4-methyl-1-(1-... Concentration Rank 7

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 12.386    | 6.87 ug/l                           | 182718 | Chlorobenzene-d5 | 11.490       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Cyclohexene, 4-methyl-1-(1-methy... | 138    | C10H18           | 000500-00-5  | 72   |
| 2         | Cyclohexene,1-(2-methylpropyl)-     | 138    | C10H18           | 003983-03-7  | 72   |
| 3         | Cyclohexane, 1-methyl-4-(1-methy... | 138    | C10H18           | 001879-07-8  | 72   |
| 4         | (2Z,4E)-3,7-Dimethyl-2,4-octadiene  | 138    | C10H18           | 1000374-08-4 | 60   |
| 5         | (2E,4E)-3,7-Dimethylocta-2,4-diene  | 138    | C10H18           | 006874-39-1  | 60   |



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ClientSampleId :  
R-4(5-10)

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

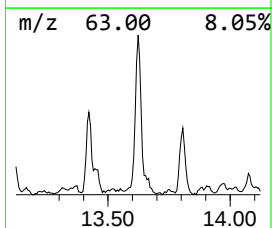
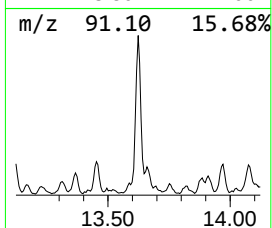
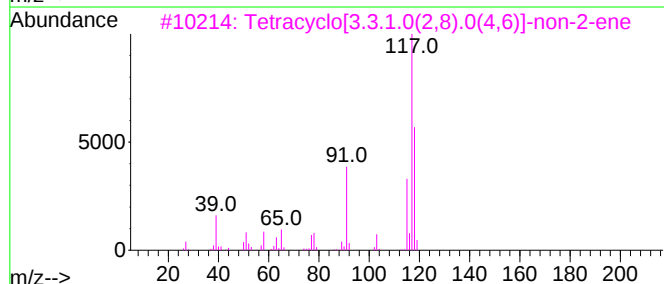
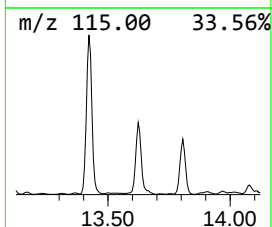
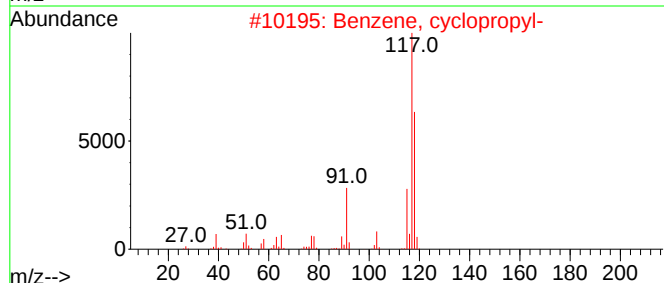
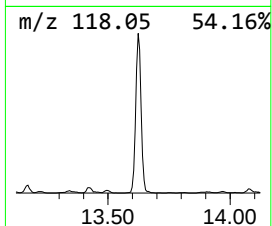
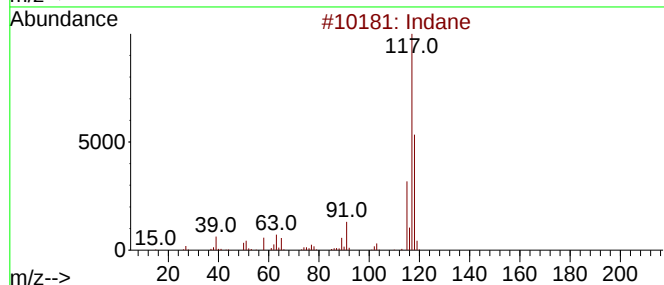
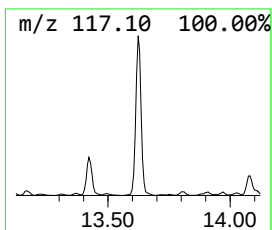
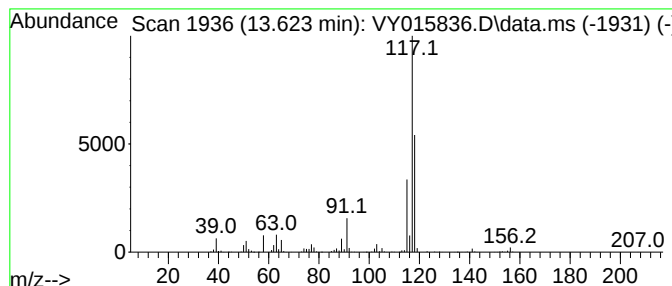
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Indane Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.623 | 17.50 ug/l | 453201 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Indane                              | 118 | C9H10   | 000496-11-7  | 91   |
| 2    |    |   | Benzene, cyclopropyl-               | 118 | C9H10   | 000873-49-4  | 64   |
| 3    |    |   | Tetracyclo[3.3.1.0(2,8).0(4,6)]-... | 118 | C9H10   | 1000191-13-7 | 59   |
| 4    |    |   | Benzene, 1-(chloromethyl)-4-ethe... | 152 | C9H9Cl  | 001592-20-7  | 59   |
| 5    |    |   | Benzene, 1-ethenyl-2-methyl-        | 118 | C9H10   | 000611-15-4  | 55   |



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
R-4(5-10)

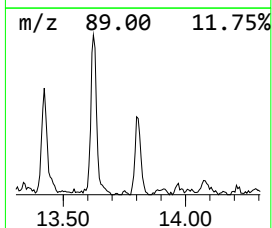
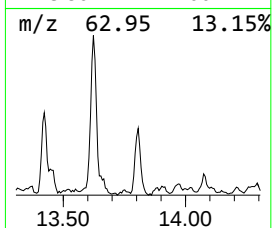
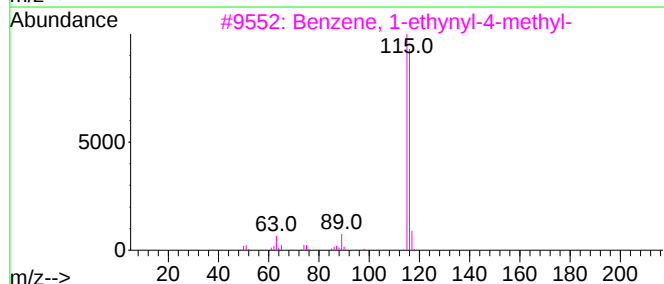
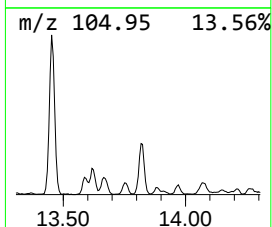
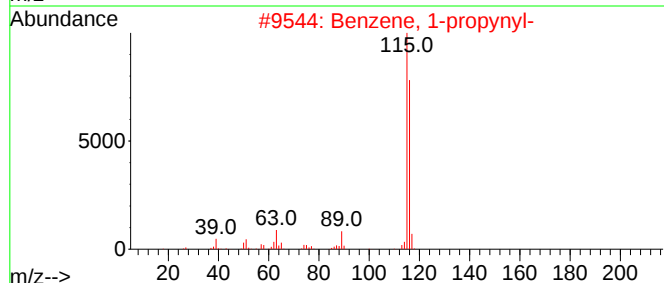
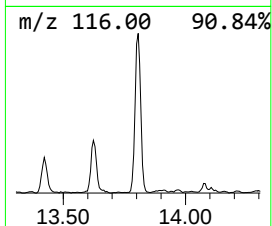
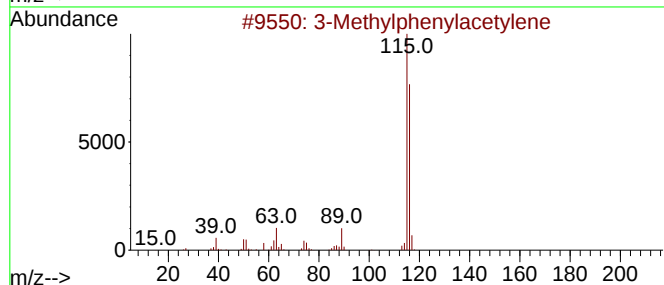
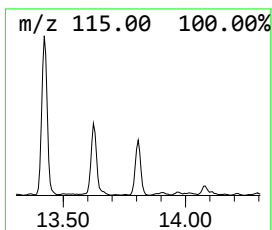
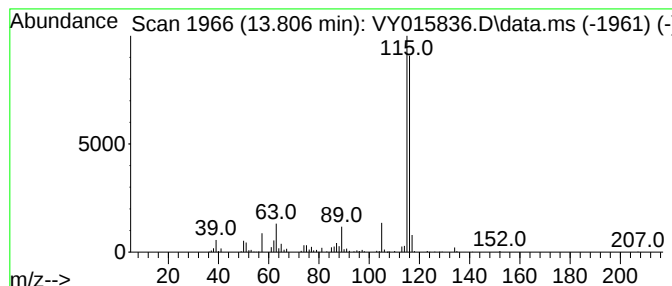
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
Quant Title : SW846 8260

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

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Peak Number 3 3-Methylphenylacetylene Concentration Rank 9

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.806 | 5.77 ug/l | 149414 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 3-Methylphenylacetylene            | 116 | C9H8    | 000766-82-5 | 94   |
| 2    |    |   | Benzene, 1-propynyl-               | 116 | C9H8    | 000673-32-5 | 90   |
| 3    |    |   | Benzene, 1-ethynyl-4-methyl-       | 116 | C9H8    | 000766-97-2 | 90   |
| 4    |    |   | Benzene, 1,2-propadienyl-          | 116 | C9H8    | 002327-99-3 | 86   |
| 5    |    |   | Benzene, (2,2-dibromocyclopropyl)- | 274 | C9H8Br2 | 003234-51-3 | 78   |



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R-4(5-10)

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Quant Title : SW846 8260

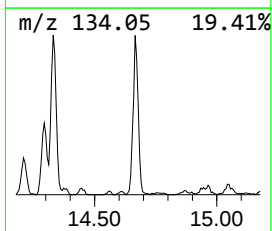
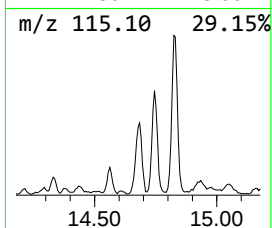
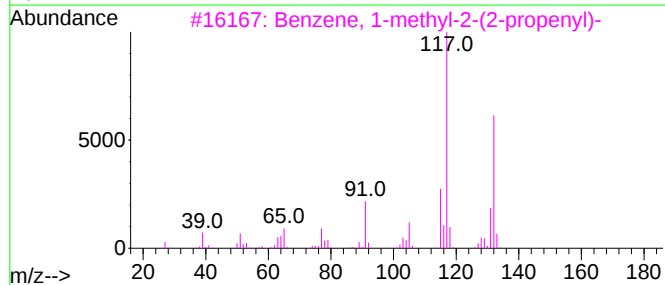
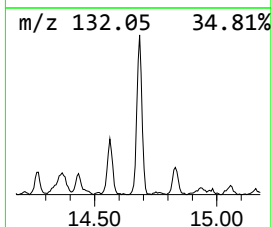
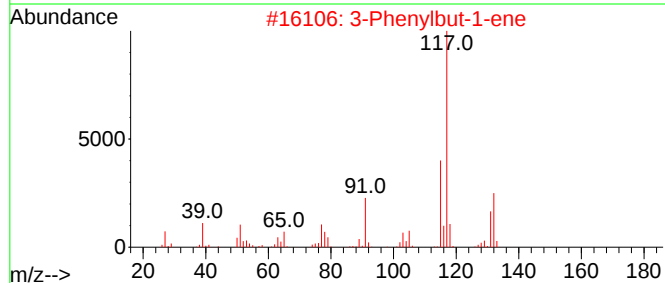
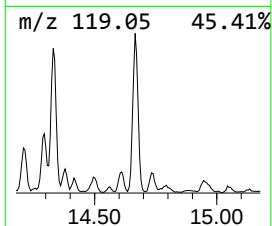
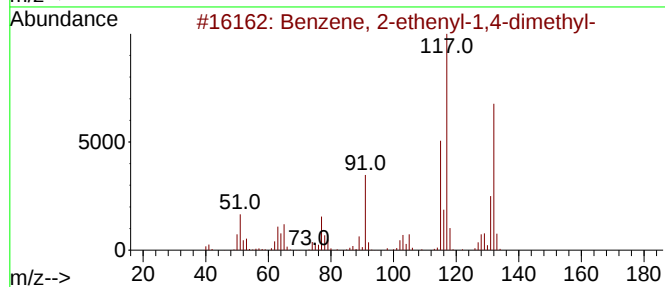
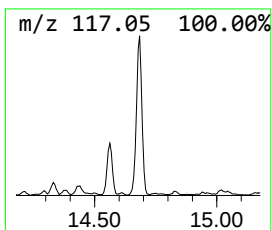
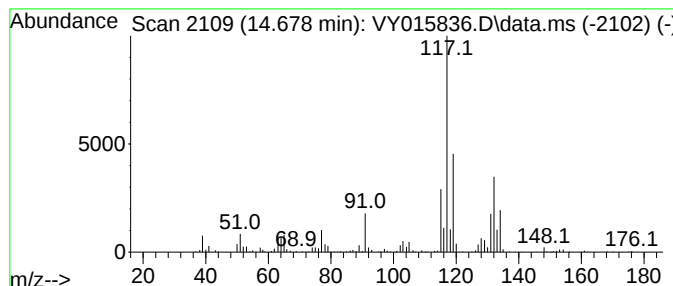
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.678 | 13.54 ug/l | 350763 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-ethenyl-1,4-dimethyl-  | 132 | C10H12  | 002039-89-6 | 90   |
| 2    |    |   | 3-Phenylbut-1-ene                 | 132 | C10H12  | 000934-10-1 | 70   |
| 3    |    |   | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12  | 001587-04-8 | 70   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-4-methyl-  | 132 | C10H12  | 000824-22-6 | 64   |
| 5    |    |   | Benzene, 1-ethenyl-4-ethyl-       | 132 | C10H12  | 003454-07-7 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100423\  
Data File : VY015836.D  
Acq On : 04 Oct 2023 18:36  
Operator : SY/MD  
Sample : 04704-06  
Misc : 4.56g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
R-4(5-10)

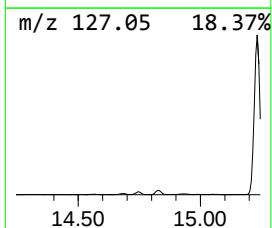
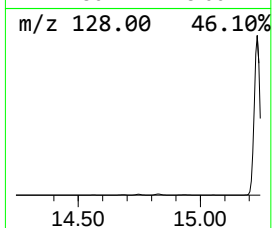
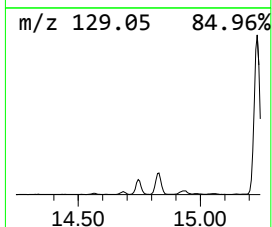
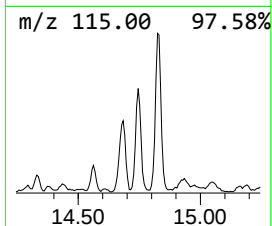
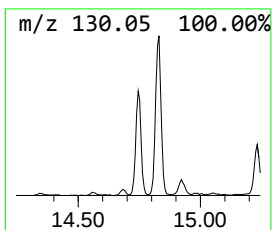
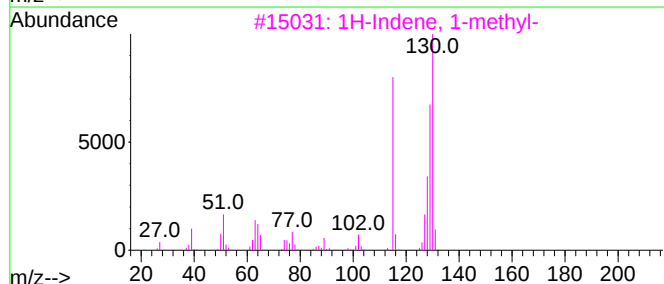
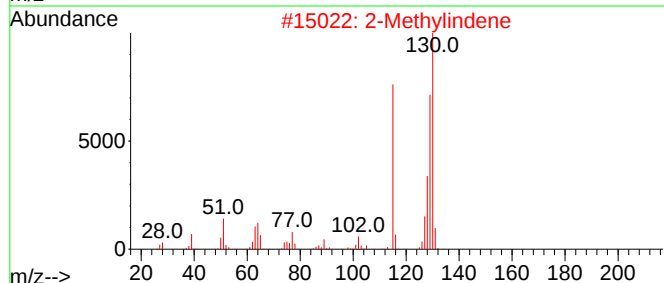
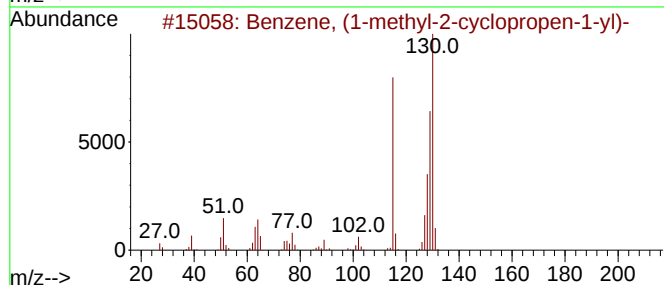
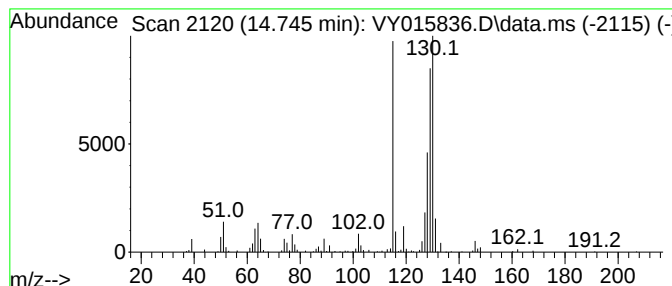
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Quant Title : SW846 8260

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

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Peak Number 5 Benzene, (1-methyl-2-cyclop... Concentration Rank 8

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.745 | 6.38 ug/l | 165293 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, (1-methyl-2-cyclopropen... | 130 | C10H10  | 065051-83-4 | 96   |
| 2    |    |   | 2-Methylindene                      | 130 | C10H10  | 002177-47-1 | 95   |
| 3    |    |   | 1H-Indene, 1-methyl-                | 130 | C10H10  | 000767-59-9 | 95   |
| 4    |    |   | 1H-Indene, 3-methyl-                | 130 | C10H10  | 000767-60-2 | 95   |
| 5    |    |   | Cycloprop[a]indene, 1,1a,6,6a-te... | 130 | C10H10  | 015677-15-3 | 92   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100423\  
Data File : VY015836.D  
Acq On : 04 Oct 2023 18:36  
Operator : SY/MD  
Sample : 04704-06  
Misc : 4.56g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
R-4(5-10)

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

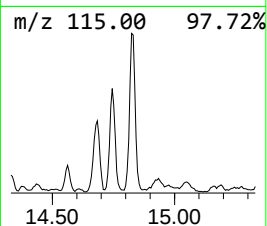
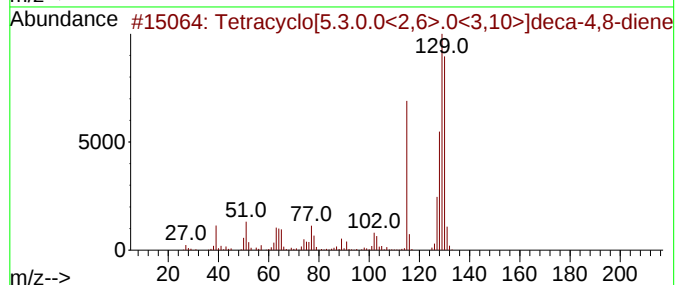
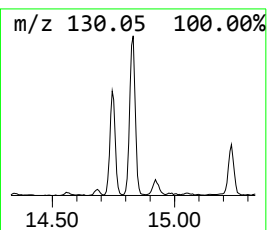
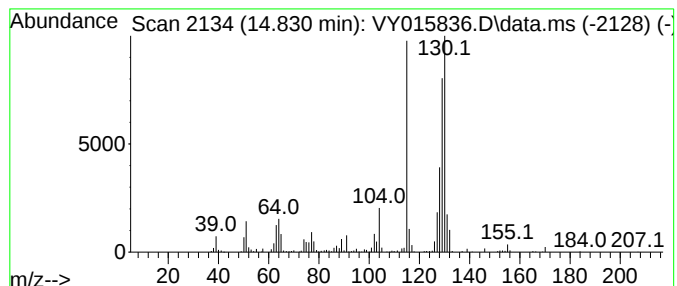
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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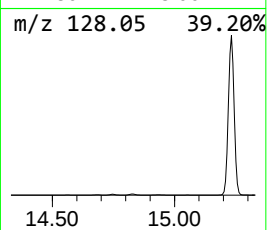
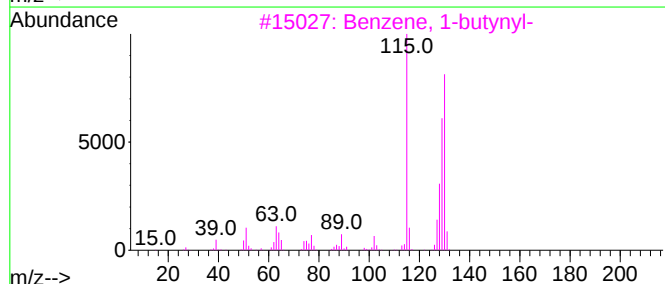
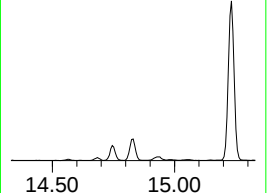
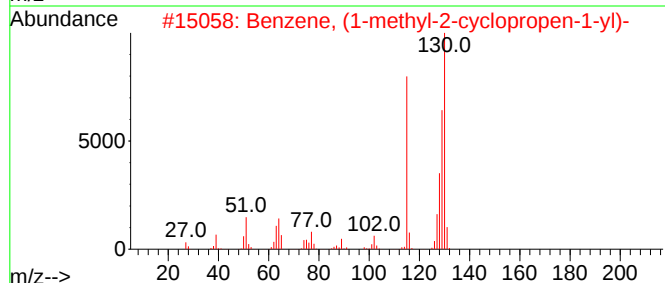
Peak Number 6 Tetracyclo[5.3.0.0<2,6>.0<3... Concentration Rank 6

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.830 | 9.62 ug/l | 249255 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Tetracyclo[5.3.0.0<2,6>.0<3,10>]... | 130 | C10H10  | 034324-40-8 | 96   |
| 2    |    |   | Benzene, (1-methyl-2-cyclopropen... | 130 | C10H10  | 065051-83-4 | 96   |
| 3    |    |   | Benzene, 1-butyryl-                 | 130 | C10H10  | 000622-76-4 | 95   |
| 4    |    |   | 2-Methylindene                      | 130 | C10H10  | 002177-47-1 | 95   |
| 5    |    |   | 1H-Indene, 1-methyl-                | 130 | C10H10  | 000767-59-9 | 94   |



m/z 129.05 80.38%



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100423\  
Data File : VY015836.D  
Acq On : 04 Oct 2023 18:36  
Operator : SY/MD  
Sample : 04704-06  
Misc : 4.56g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
R-4(5-10)

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

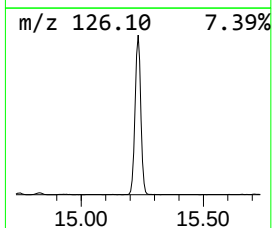
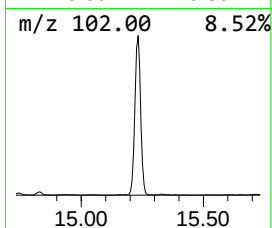
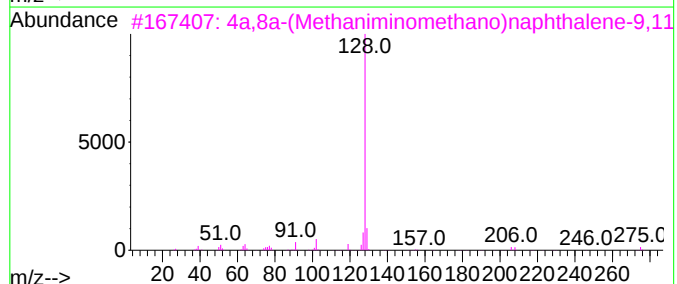
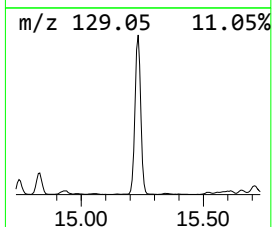
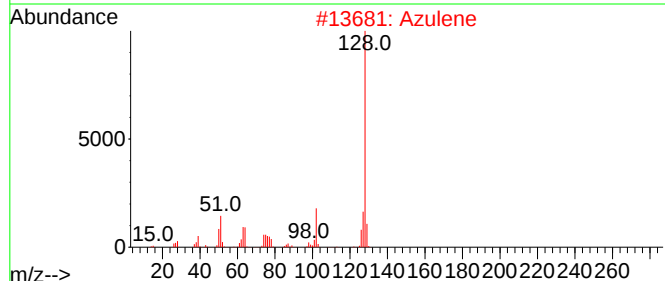
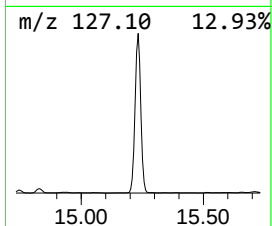
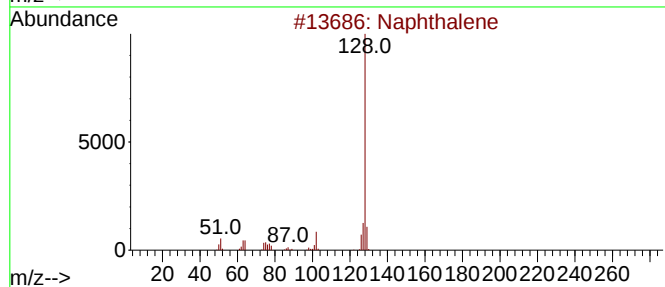
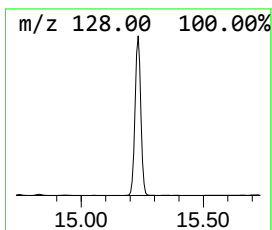
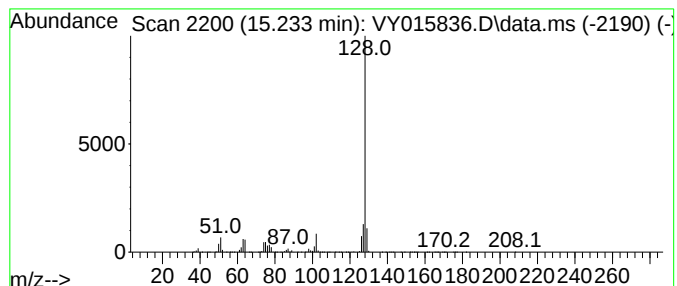
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Azulene Concentration Rank 1

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 15.233 | 170.81 ug/l | 4424180 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | Naphthalene                         | 128 | C10H8     | 000091-20-3 | 95   |
| 2    |    |   | Azulene                             | 128 | C10H8     | 000275-51-4 | 91   |
| 3    |    |   | 4a,8a-(Methaniminomethano)naphth... | 275 | C18H13NO2 | 069915-10-2 | 78   |
| 4    |    |   | [4.2.2]Propella-2,4,7,9-tetraene    | 128 | C10H8     | 088090-34-0 | 50   |
| 5    |    |   | 1H-Indene, 1-methylene-             | 128 | C10H8     | 002471-84-3 | 47   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100423\  
Data File : VY015836.D  
Acq On : 04 Oct 2023 18:36  
Operator : SY/MD  
Sample : 04704-06  
Misc : 4.56g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
R-4(5-10)

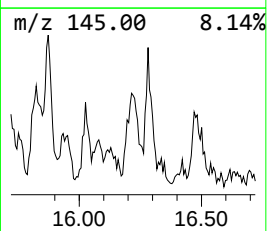
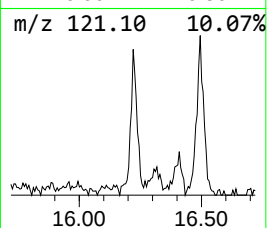
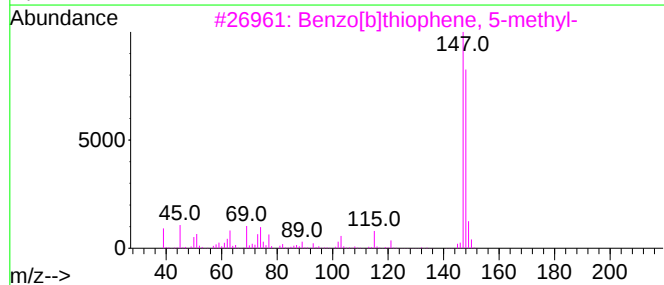
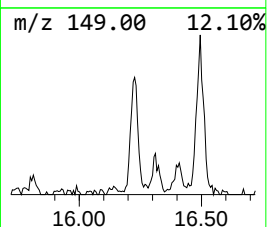
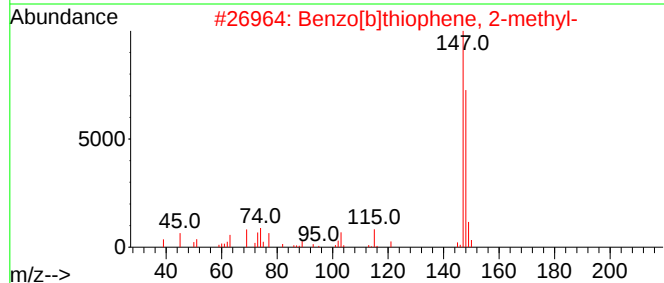
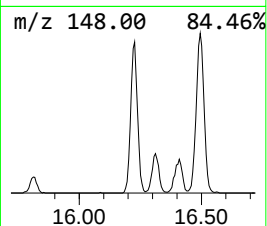
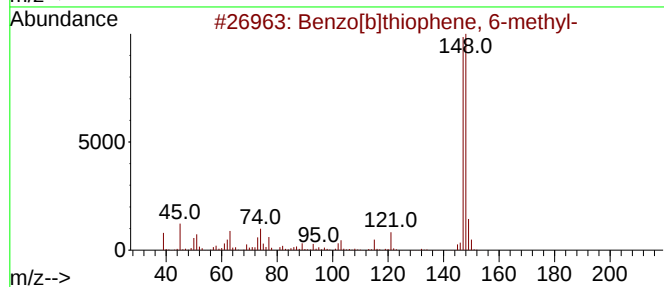
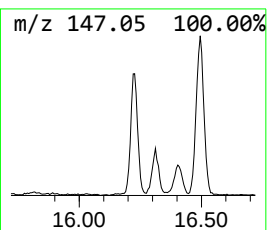
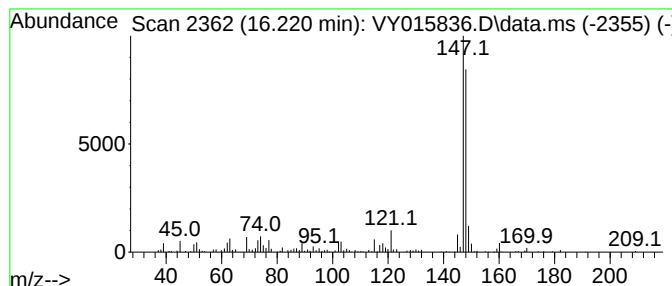
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Quant Title : SW846 8260

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

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Peak Number 8 Benzo[b]thiophene, 6-methyl- Concentration Rank 10

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 16.220 | 5.68 ug/l | 147088 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[b]thiophene, 6-methyl- | 148 | C9H8S   | 016587-47-6 | 93   |
| 2    |    |   | Benzo[b]thiophene, 2-methyl- | 148 | C9H8S   | 001195-14-8 | 87   |
| 3    |    |   | Benzo[b]thiophene, 5-methyl- | 148 | C9H8S   | 014315-14-1 | 87   |
| 4    |    |   | Benzo[b]thiophene, 4-methyl- | 148 | C9H8S   | 014315-11-8 | 87   |
| 5    |    |   | 3-Methylbenzothiophene       | 148 | C9H8S   | 001455-18-1 | 87   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100423\  
Data File : VY015836.D  
Acq On : 04 Oct 2023 18:36  
Operator : SY/MD  
Sample : 04704-06  
Misc : 4.56g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
R-4(5-10)

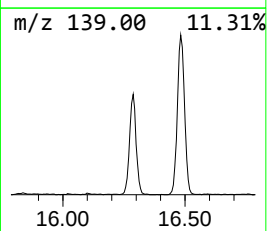
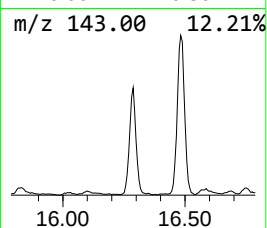
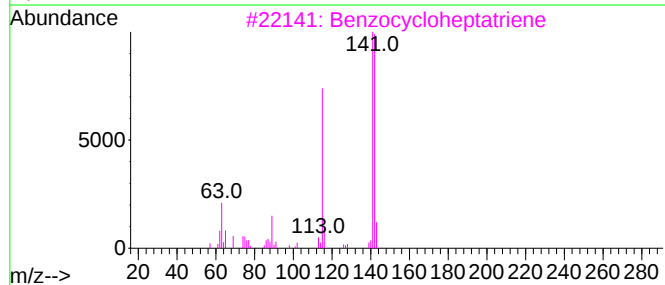
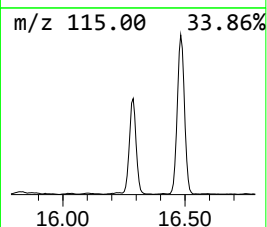
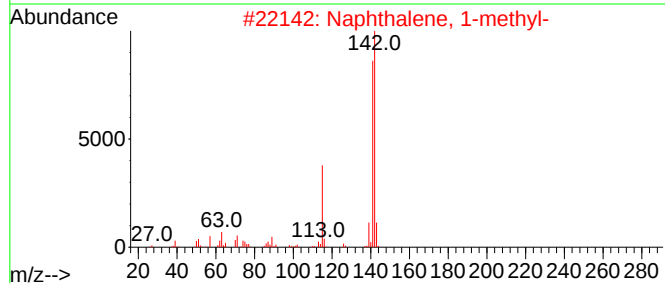
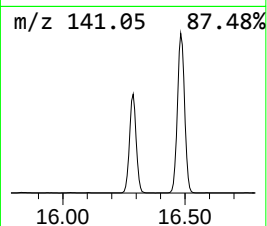
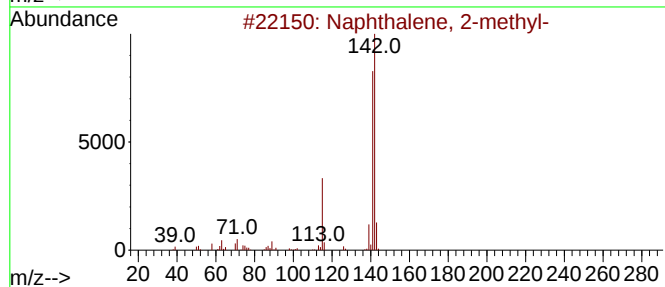
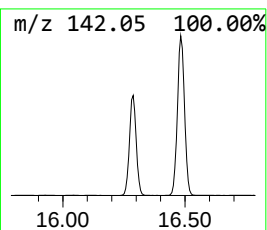
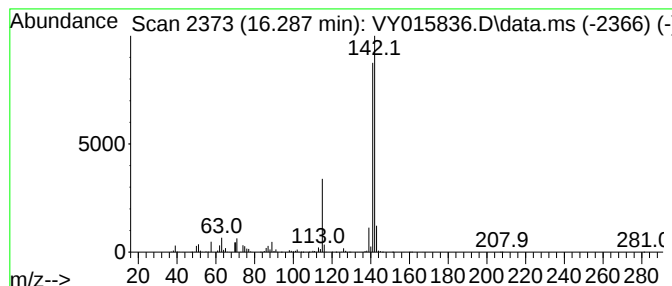
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Quant Title : SW846 8260

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

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Peak Number 9 Benzocycloheptatriene Concentration Rank 3

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 16.287 | 56.45 ug/l | 1462120 | 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    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 90   |
| 4    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 90   |
| 5    |    |   | 1H-Indole-6-carbonitrile            | 142 | C9H6N2  | 015861-36-6 | 46   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100423\  
Data File : VY015836.D  
Acq On : 04 Oct 2023 18:36  
Operator : SY/MD  
Sample : 04704-06  
Misc : 4.56g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
R-4(5-10)

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

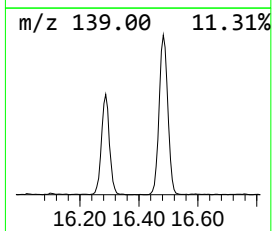
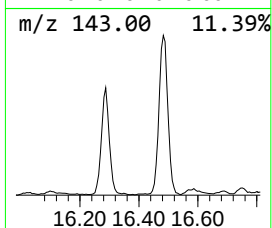
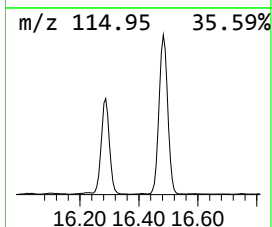
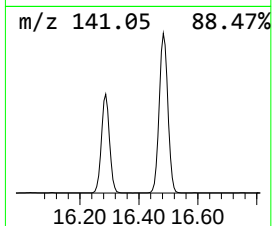
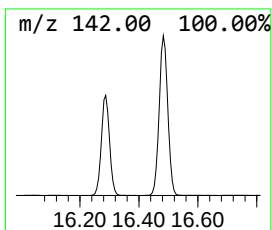
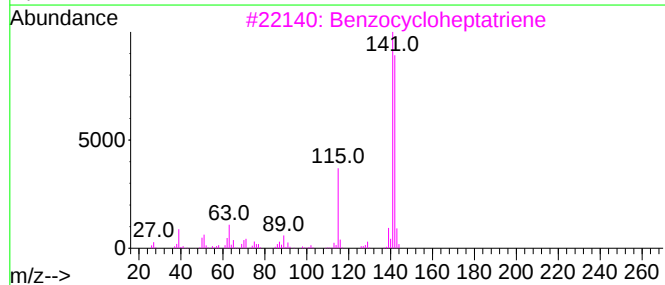
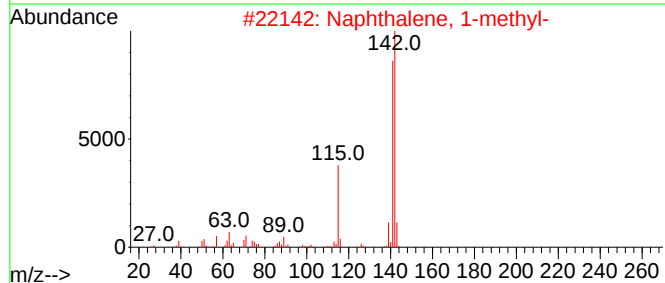
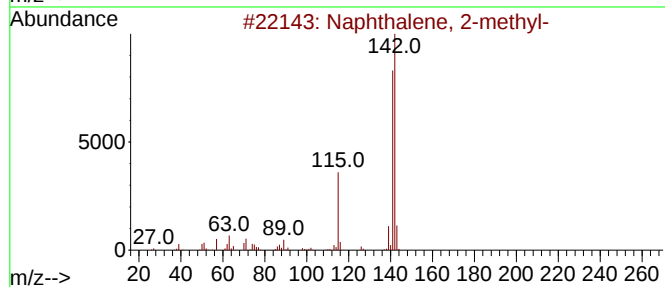
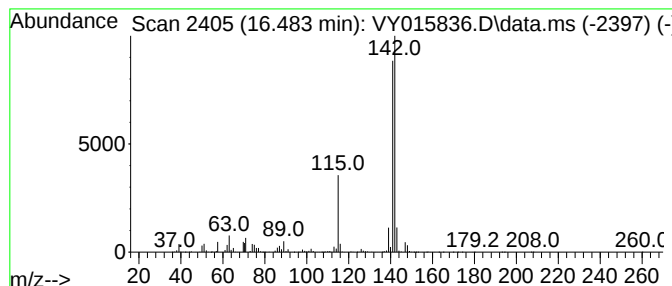
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 1,4-Methanonaphthalene, 1,4... Concentration Rank 2

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 16.483 | 98.89 ug/l | 2561410 | 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    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 91   |
| 4    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 91   |
| 5    |    |   | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100423\  
Data File : VY015836.D  
Acq On : 04 Oct 2023 18:36  
Operator : SY/MD  
Sample : 04704-06  
Misc : 4.56g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
R-4(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 |
| Cyclohexene, 4-... | 12.386 | 6.9     | ug/l  | 182718   | 3                     | 11.490 | 1329700 | 50.0 |
| Indane             | 13.623 | 17.5    | ug/l  | 453201   | 4                     | 13.422 | 1295030 | 50.0 |
| 3-Methylphenyla... | 13.806 | 5.8     | ug/l  | 149414   | 4                     | 13.422 | 1295030 | 50.0 |
| Benzene, 2-ethe... | 14.678 | 13.5    | ug/l  | 350763   | 4                     | 13.422 | 1295030 | 50.0 |
| Benzene, (1-met... | 14.745 | 6.4     | ug/l  | 165293   | 4                     | 13.422 | 1295030 | 50.0 |
| Tetracyclo[5.3.... | 14.830 | 9.6     | ug/l  | 249255   | 4                     | 13.422 | 1295030 | 50.0 |
| Azulene            | 15.233 | 170.8   | ug/l  | 4424180  | 4                     | 13.422 | 1295030 | 50.0 |
| Benzo[b]thiophe... | 16.220 | 5.7     | ug/l  | 147088   | 4                     | 13.422 | 1295030 | 50.0 |
| Benzocyclohepta... | 16.287 | 56.5    | ug/l  | 1462120  | 4                     | 13.422 | 1295030 | 50.0 |
| 1,4-Methanonaph... | 16.483 | 98.9    | ug/l  | 2561410  | 4                     | 13.422 | 1295030 | 50.0 |