

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081924\  
 Data File : VY019131.D  
 Acq On : 19 Aug 2024 21:05  
 Operator : SY/MD  
 Sample : P3641-07  
 Misc : 6.60g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S-910-K1-0-0.5-081524

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\82Y081524S.M  
 Title : SW846 8260

Signal : TIC: VY019131.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         | 3.172       | 231           | 238         | 246          | rBV5     | 2419           | 5859          | 1.02%           | 0.179%        |
| 2         | 4.604       | 462           | 473         | 482          | rBV      | 8318           | 23533         | 4.10%           | 0.719%        |
| 3         | 5.628       | 635           | 641         | 650          | rVB4     | 2788           | 7257          | 1.27%           | 0.222%        |
| 4         | 7.622       | 956           | 968         | 974          | rBV      | 89845          | 210584        | 36.71%          | 6.432%        |
| 5         | 7.695       | 974           | 980         | 992          | rVB      | 138440         | 317171        | 55.30%          | 9.688%        |
| 6         | 8.055       | 1028          | 1039        | 1051         | rBV      | 72546          | 165166        | 28.80%          | 5.045%        |
| 7         | 8.603       | 1119          | 1129        | 1142         | rBV      | 213095         | 432000        | 75.32%          | 13.196%       |
| 8         | 9.908       | 1337          | 1343        | 1350         | rBV4     | 4968           | 9194          | 1.60%           | 0.281%        |
| 9         | 10.103      | 1367          | 1375        | 1388         | rBV      | 342831         | 573584        | 100.00%         | 17.520%       |
| 10        | 11.414      | 1582          | 1590        | 1601         | rBV      | 316326         | 508026        | 88.57%          | 15.518%       |
| 11        | 12.408      | 1743          | 1753        | 1762         | rBV2     | 244031         | 409307        | 71.36%          | 12.502%       |
| 12        | 12.987      | 1837          | 1848        | 1849         | rBV5     | 5815           | 11319         | 1.97%           | 0.346%        |
| 13        | 13.347      | 1898          | 1907        | 1914         | rBV      | 241813         | 366908        | 63.97%          | 11.207%       |
| 14        | 13.597      | 1935          | 1948        | 1953         | rBV9     | 11222          | 43152         | 7.52%           | 1.318%        |
| 15        | 13.706      | 1956          | 1966        | 1974         | rVB8     | 15228          | 63596         | 11.09%          | 1.943%        |
| 16        | 13.889      | 1990          | 1996        | 2003         | rBV      | 30022          | 46277         | 8.07%           | 1.414%        |
| 17        | 14.054      | 2013          | 2023        | 2034         | rBV      | 12547          | 57449         | 10.02%          | 1.755%        |
| 18        | 14.413      | 2075          | 2082        | 2086         | rBV5     | 5087           | 13946         | 2.43%           | 0.426%        |
| 19        | 14.938      | 2160          | 2168        | 2175         | rBV6     | 3878           | 9510          | 1.66%           | 0.290%        |

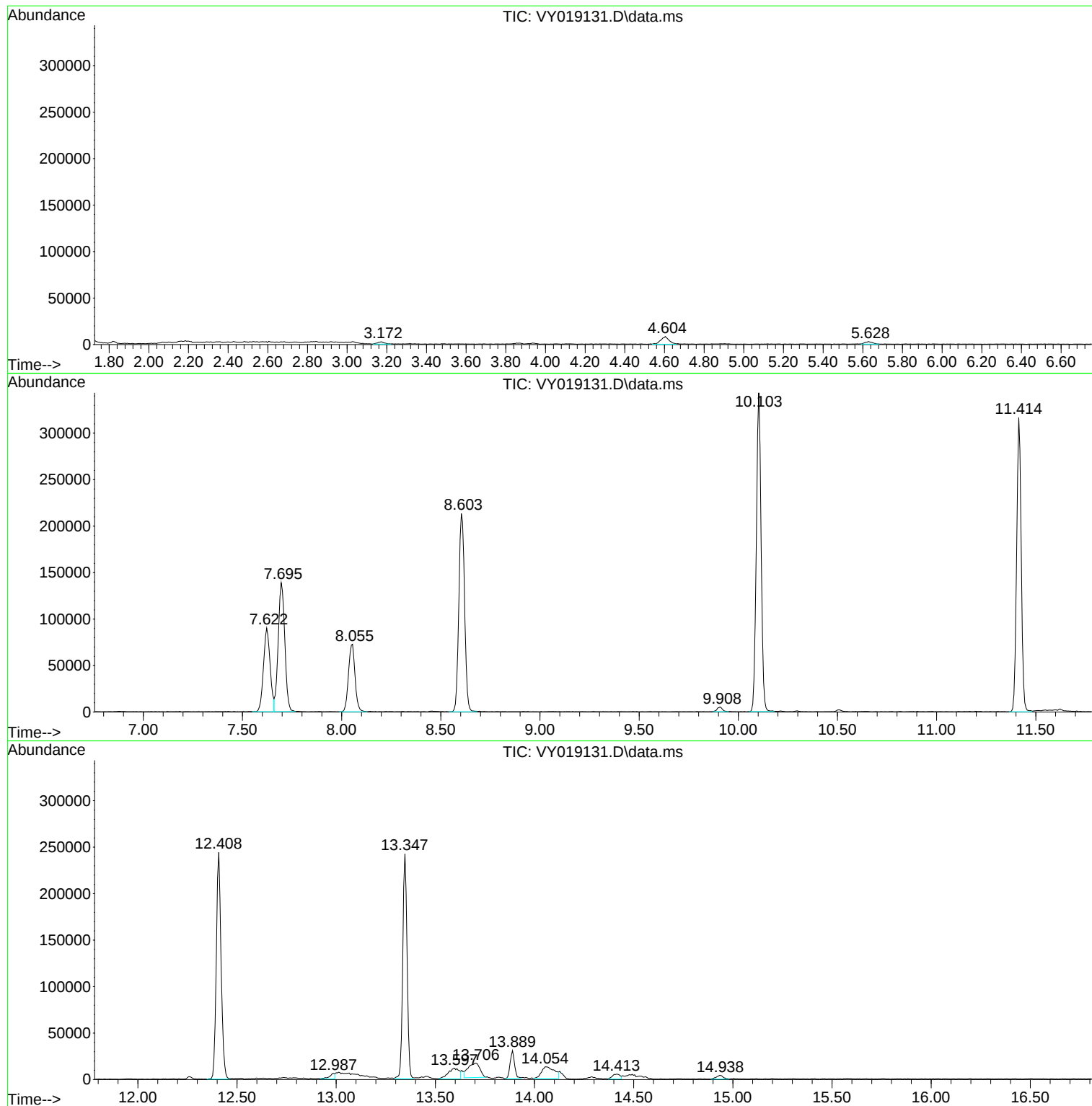
Sum of corrected areas: 3273838

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ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-910-K1-0-0.5-081524

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
Quant Title : SW846 8260

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



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-910-K1-0-0.5-081524

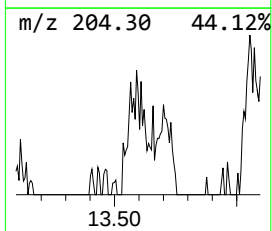
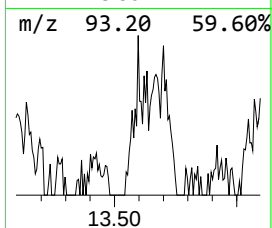
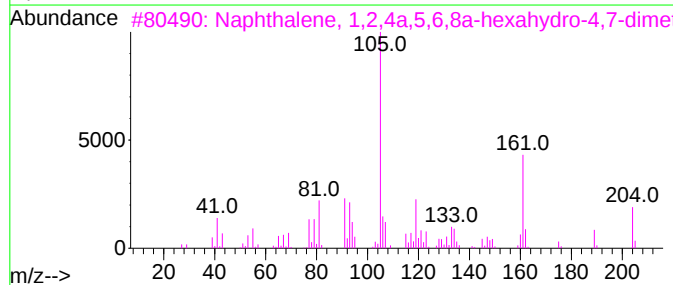
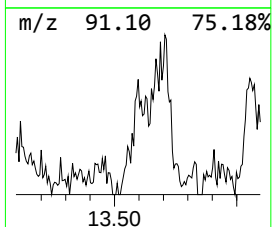
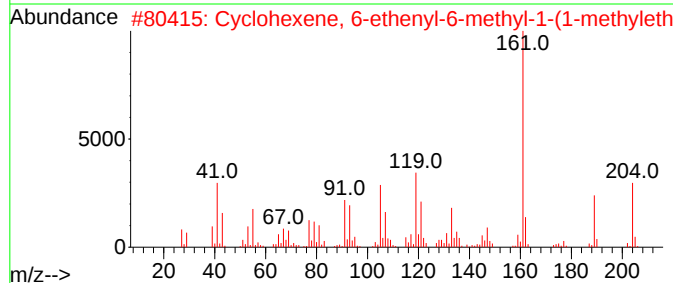
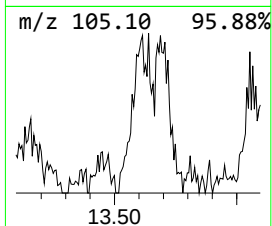
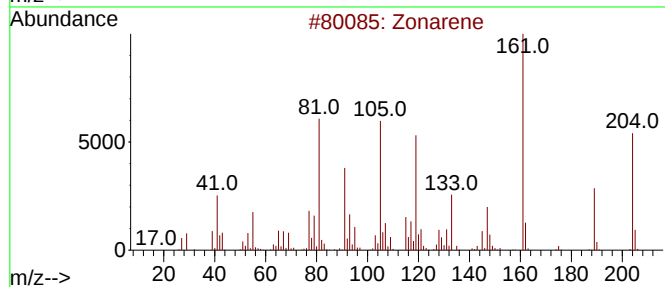
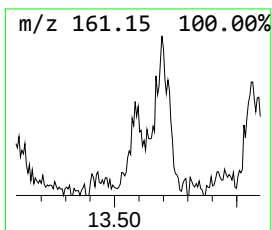
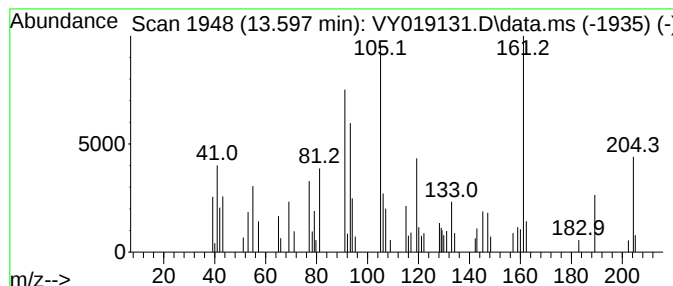
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Zonarene Concentration Rank 4

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.597 | 5.88 ug/l | 43152 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Zonarene                            | 204 | C15H24  | 041929-05-9 | 98   |
| 2    |    |   | Cyclohexene, 6-ethenyl-6-methyl-... | 204 | C15H24  | 005951-67-7 | 94   |
| 3    |    |   | Naphthalene, 1,2,4a,5,6,8a-hexah... | 204 | C15H24  | 024406-05-1 | 91   |
| 4    |    |   | .gamma.-Muurolene                   | 204 | C15H24  | 030021-74-0 | 91   |
| 5    |    |   | .alpha.-Muurolene                   | 204 | C15H24  | 010208-80-7 | 91   |



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ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-910-K1-0-0.5-081524

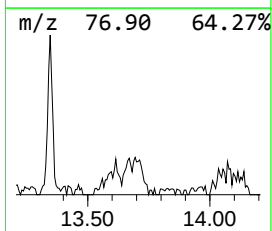
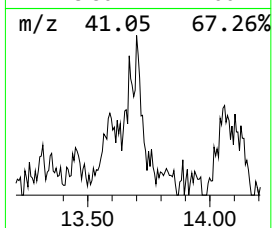
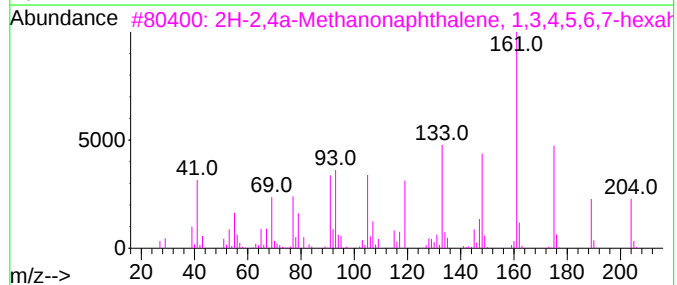
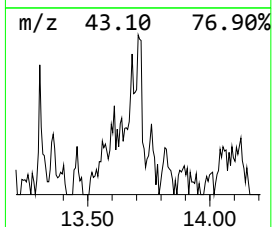
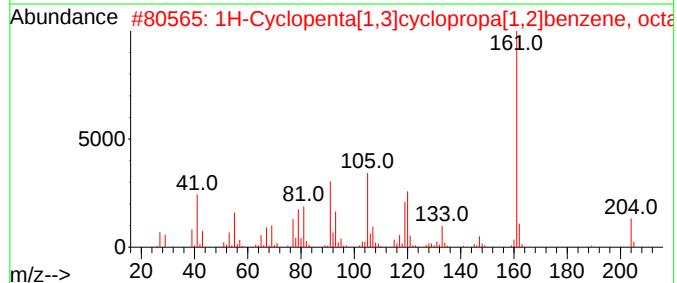
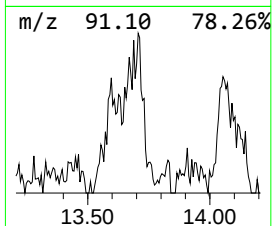
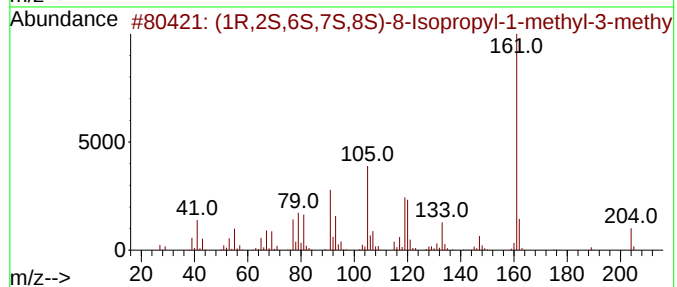
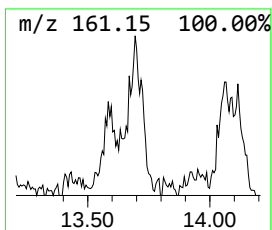
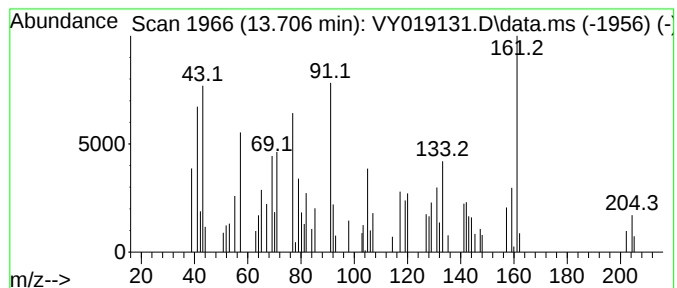
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
Quant Title : SW846 8260

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

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Peak Number 2 unknown13.706 Concentration Rank 1

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.706 | 8.67 ug/l | 63596 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | (1R,2S,6S,7S,8S)-8-Isopropyl-1-m... | 204 | C15H24       | 018252-44-3 | 41      |      |      |
| 2    | 1H-Cyclopenta[1,3]cyclopropa[1,2... | 204 | C15H24       | 013744-15-5 | 38      |      |      |
| 3    | 2H-2,4a-Methanonaphthalene, 1,3,... | 204 | C15H24       | 001135-66-6 | 38      |      |      |
| 4    | Germacrene D                        | 204 | C15H24       | 023986-74-5 | 30      |      |      |
| 5    | 1H-Cyclopropa[a]naphthalene, 1a,... | 204 | C15H24       | 017334-55-3 | 27      |      |      |



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ALS Vial : 27 Sample Multiplier: 1

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MSVOA\_Y  
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Quant Title : SW846 8260

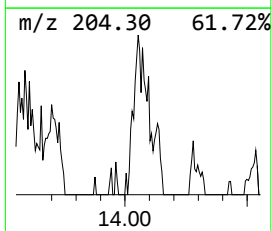
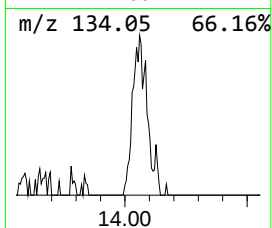
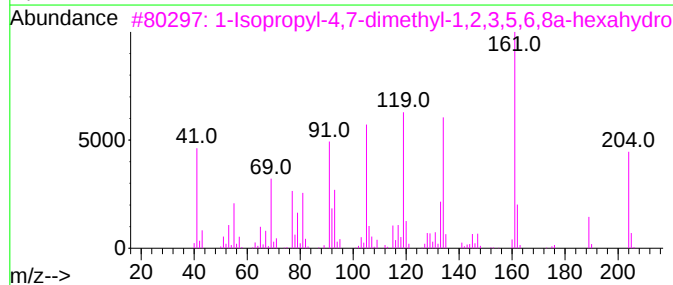
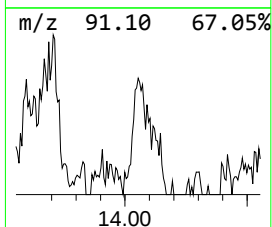
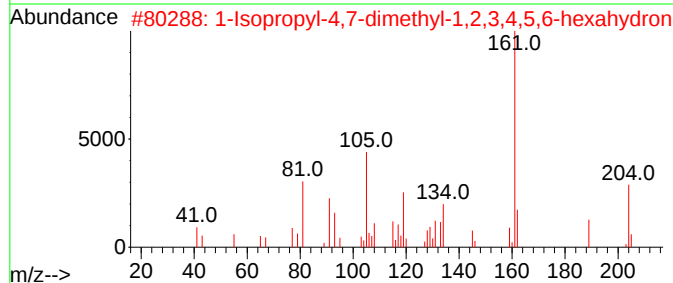
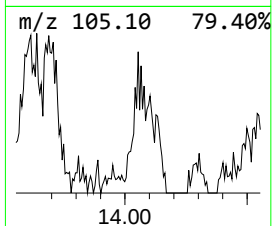
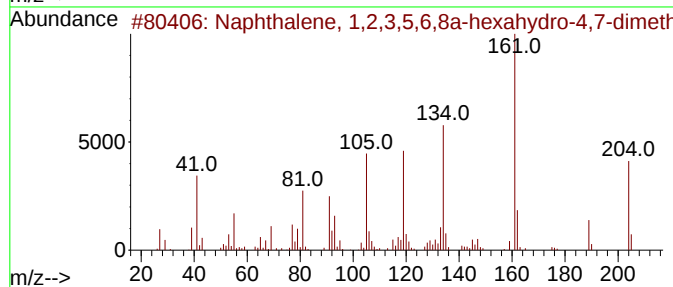
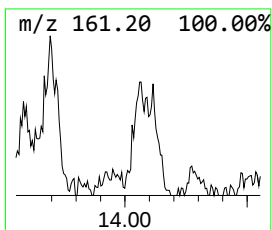
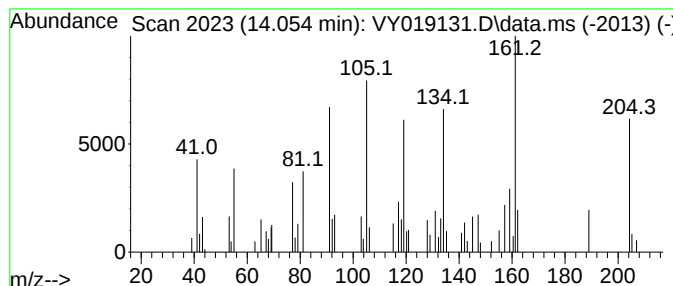
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Naphthalene, 1,2,3,5,6,8a-h... Concentration Rank 2

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.054 | 7.83 ug/l | 57449 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, 1,2,3,5,6,8a-hexahy... | 204 | C15H24  | 000483-76-1  | 94   |
| 2    |    |   | 1-Isopropyl-4,7-dimethyl-1,2,3,4... | 204 | C15H24  | 016729-00-3  | 90   |
| 3    |    |   | 1-Isopropyl-4,7-dimethyl-1,2,3,5... | 204 | C15H24  | 016729-01-4  | 89   |
| 4    |    |   | isolekene                           | 204 | C15H24  | 095910-36-4  | 83   |
| 5    |    |   | cis-muuroia-3,5-diene               | 204 | C15H24  | 1000365-95-4 | 78   |



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Quant Title : SW846 8260

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Zonarene           | 13.597 | 5.9     | ug/l  | 43152    | 4                     | 13.347 | 366908 | 50.0 |
| unknown13.706      | 13.706 | 8.7     | ug/l  | 63596    | 4                     | 13.347 | 366908 | 50.0 |
| Naphthalene, 1,... | 14.054 | 7.8     | ug/l  | 57449    | 4                     | 13.347 | 366908 | 50.0 |