

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110121\  
 Data File : VY006561.D  
 Acq On : 01 Nov 2021 18:52  
 Operator : SY/MD  
 Sample : M4422-01  
 Misc : 5.03G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OR-03-102921

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\82Y102221S.M  
 Title : SW846 8260

Signal : TIC: VY006561.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         | 1.869       | 5             | 8           | 14           | rVB5     | 4214           | 8520          | 1.13%           | 0.161%        |
| 2         | 3.954       | 341           | 350         | 359          | rBV2     | 2856           | 8152          | 1.08%           | 0.154%        |
| 3         | 4.722       | 466           | 476         | 493          | rVB3     | 9627           | 29355         | 3.90%           | 0.555%        |
| 4         | 5.753       | 636           | 645         | 656          | rVB3     | 3492           | 10759         | 1.43%           | 0.203%        |
| 5         | 7.722       | 959           | 968         | 974          | rBV2     | 93561          | 224095        | 29.78%          | 4.235%        |
| 6         | 7.795       | 974           | 980         | 991          | rVB      | 167769         | 374277        | 49.74%          | 7.074%        |
| 7         | 8.149       | 1025          | 1038        | 1048         | rBV      | 114201         | 249482        | 33.15%          | 4.715%        |
| 8         | 8.691       | 1119          | 1127        | 1139         | rVB      | 269047         | 532293        | 70.74%          | 10.060%       |
| 9         | 9.185       | 1200          | 1208        | 1214         | rBV3     | 6661           | 12868         | 1.71%           | 0.243%        |
| 10        | 10.179      | 1363          | 1371        | 1379         | rBV      | 437178         | 752514        | 100.00%         | 14.222%       |
| 11        | 10.581      | 1432          | 1437        | 1441         | rBV2     | 5132           | 9737          | 1.29%           | 0.184%        |
| 12        | 11.282      | 1545          | 1552        | 1559         | rVB7     | 3101           | 7543          | 1.00%           | 0.143%        |
| 13        | 11.489      | 1579          | 1586        | 1597         | rBV      | 393553         | 627795        | 83.43%          | 11.865%       |
| 14        | 11.593      | 1597          | 1603        | 1607         | rBV      | 13944          | 22356         | 2.97%           | 0.423%        |
| 15        | 11.703      | 1613          | 1621        | 1631         | rBV3     | 25601          | 54249         | 7.21%           | 1.025%        |
| 16        | 12.032      | 1664          | 1675        | 1682         | rBV      | 16820          | 33211         | 4.41%           | 0.628%        |
| 17        | 12.483      | 1742          | 1749        | 1759         | rVB      | 282936         | 444369        | 59.05%          | 8.399%        |
| 18        | 12.733      | 1784          | 1790        | 1793         | rBV2     | 8298           | 12975         | 1.72%           | 0.245%        |
| 19        | 12.806      | 1798          | 1802        | 1808         | rVB3     | 17203          | 27719         | 3.68%           | 0.524%        |
| 20        | 12.971      | 1820          | 1829        | 1836         | rBV      | 10001          | 19914         | 2.65%           | 0.376%        |
| 21        | 13.038      | 1836          | 1840        | 1844         | rVV3     | 5783           | 8410          | 1.12%           | 0.159%        |
| 22        | 13.123      | 1848          | 1854        | 1859         | rBV2     | 20435          | 32294         | 4.29%           | 0.610%        |
| 23        | 13.318      | 1878          | 1886        | 1890         | rVV8     | 5684           | 12943         | 1.72%           | 0.245%        |
| 24        | 13.367      | 1890          | 1894        | 1897         | rVV4     | 5085           | 7876          | 1.05%           | 0.149%        |
| 25        | 13.428      | 1897          | 1904        | 1914         | rVV      | 321730         | 539853        | 71.74%          | 10.203%       |
| 26        | 13.629      | 1932          | 1937        | 1941         | rBV2     | 25832          | 36967         | 4.91%           | 0.699%        |
| 27        | 13.672      | 1941          | 1944        | 1951         | rVB4     | 7483           | 14071         | 1.87%           | 0.266%        |
| 28        | 13.751      | 1951          | 1957        | 1962         | rBV2     | 29092          | 46407         | 6.17%           | 0.877%        |
| 29        | 13.824      | 1962          | 1969        | 1972         | rBV3     | 5857           | 12346         | 1.64%           | 0.233%        |
| 30        | 13.971      | 1988          | 1993        | 1998         | rVB2     | 18726          | 27259         | 3.62%           | 0.515%        |
| 31        | 14.080      | 2005          | 2011        | 2015         | rBV3     | 19481          | 31076         | 4.13%           | 0.587%        |
| 32        | 14.129      | 2016          | 2019        | 2027         | rVB7     | 5729           | 14300         | 1.90%           | 0.270%        |
| 33        | 14.215      | 2027          | 2033        | 2036         | rBV3     | 9820           | 20662         | 2.75%           | 0.391%        |
| 34        | 14.263      | 2036          | 2041        | 2043         | rBV5     | 12274          | 22693         | 3.02%           | 0.429%        |
| 35        | 14.330      | 2050          | 2052        | 2056         | rVB      | 7682           | 10129         | 1.35%           | 0.191%        |
| 36        | 14.385      | 2056          | 2061        | 2064         | rBV4     | 15674          | 24376         | 3.24%           | 0.461%        |

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 Sample : M4422-01  
 Misc : 5.03G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OR-03-102921

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\82Y102221S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 14.422 | 2064 | 2067 | 2070 | rVB3 | 11520  | 13345  | 1.77%  | 0.252% |
| 38 | 14.568 | 2087 | 2091 | 2095 | rBV4 | 8908   | 15847  | 2.11%  | 0.300% |
| 39 | 14.611 | 2095 | 2098 | 2102 | rVB3 | 27136  | 34861  | 4.63%  | 0.659% |
| 40 | 14.678 | 2103 | 2109 | 2115 | rBV4 | 49664  | 111709 | 14.84% | 2.111% |
| 41 | 14.733 | 2115 | 2118 | 2124 | rVB4 | 19996  | 33131  | 4.40%  | 0.626% |
| 42 | 14.836 | 2132 | 2135 | 2138 | rVB3 | 6007   | 8261   | 1.10%  | 0.156% |
| 43 | 14.946 | 2148 | 2153 | 2156 | rBV3 | 19940  | 27984  | 3.72%  | 0.529% |
| 44 | 15.050 | 2166 | 2170 | 2176 | rVB3 | 18696  | 37484  | 4.98%  | 0.708% |
| 45 | 15.214 | 2190 | 2197 | 2199 | rBV6 | 20840  | 42665  | 5.67%  | 0.806% |
| 46 | 15.342 | 2214 | 2218 | 2223 | rBV4 | 13142  | 23086  | 3.07%  | 0.436% |
| 47 | 15.434 | 2230 | 2233 | 2241 | rVB5 | 17445  | 31948  | 4.25%  | 0.604% |
| 48 | 15.525 | 2241 | 2248 | 2255 | rBV4 | 17696  | 46326  | 6.16%  | 0.876% |
| 49 | 15.605 | 2256 | 2261 | 2265 | rVB6 | 11332  | 20148  | 2.68%  | 0.381% |
| 50 | 15.690 | 2267 | 2275 | 2280 | rBV4 | 13085  | 36744  | 4.88%  | 0.694% |
| 51 | 15.818 | 2293 | 2296 | 2301 | rVB7 | 9438   | 14140  | 1.88%  | 0.267% |
| 52 | 15.885 | 2303 | 2307 | 2308 | rBV3 | 7140   | 10081  | 1.34%  | 0.191% |
| 53 | 16.031 | 2323 | 2331 | 2336 | rBV7 | 17555  | 41328  | 5.49%  | 0.781% |
| 54 | 16.153 | 2347 | 2351 | 2356 | rVB2 | 8818   | 14051  | 1.87%  | 0.266% |
| 55 | 16.226 | 2358 | 2363 | 2368 | rBV6 | 10187  | 17727  | 2.36%  | 0.335% |
| 56 | 16.293 | 2368 | 2374 | 2380 | rBV  | 42099  | 81317  | 10.81% | 1.537% |
| 57 | 16.489 | 2398 | 2406 | 2419 | rVB  | 136295 | 304986 | 40.53% | 5.764% |

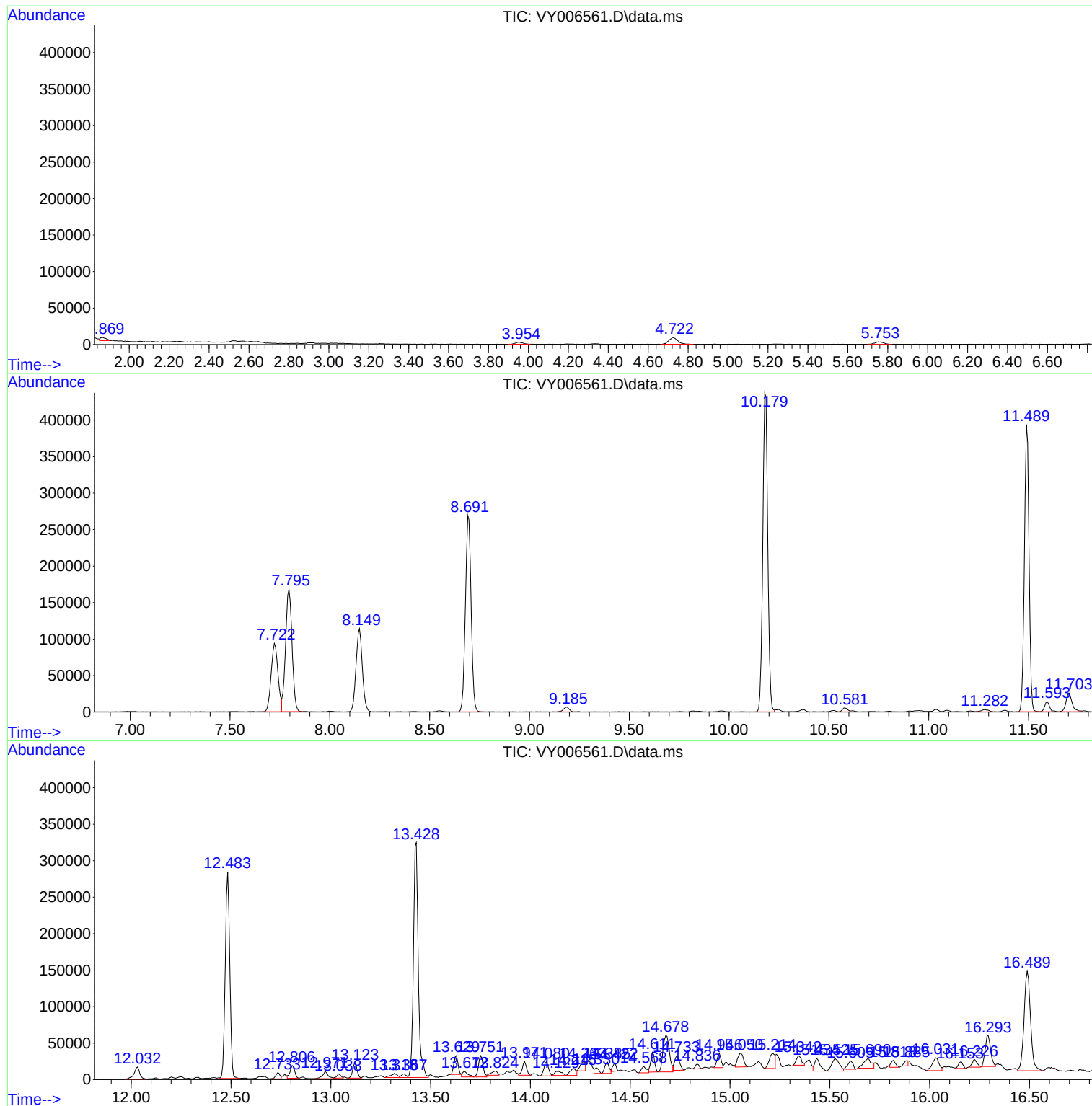
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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-03-102921

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110121\  
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Acq On : 01 Nov 2021 18:52  
Operator : SY/MD  
Sample : M4422-01  
Misc : 5.03G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-03-102921

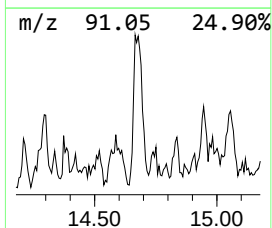
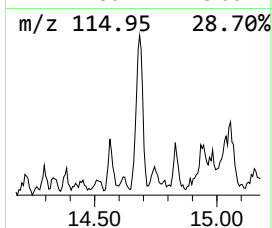
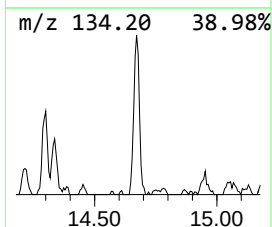
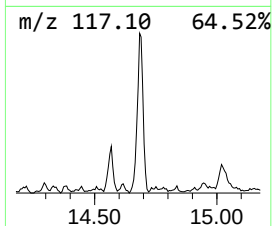
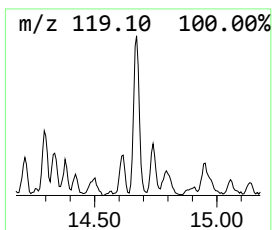
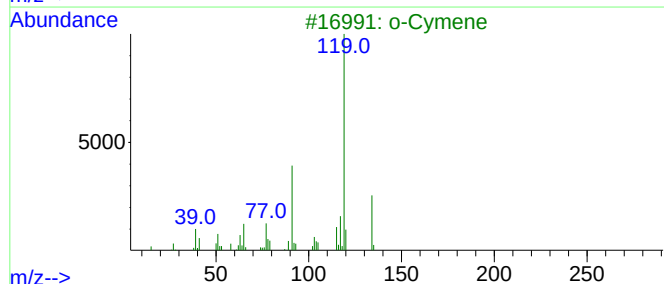
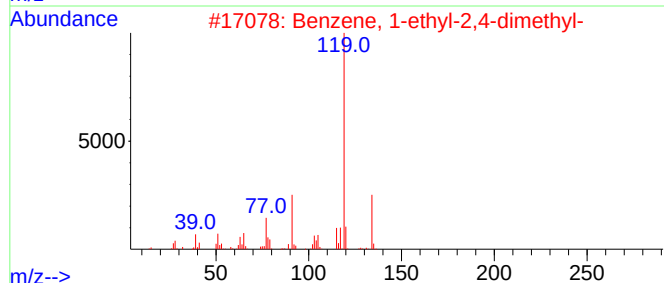
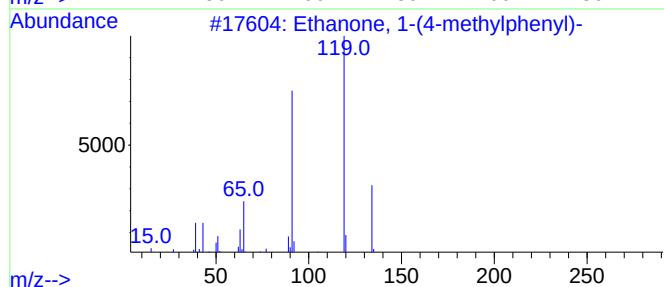
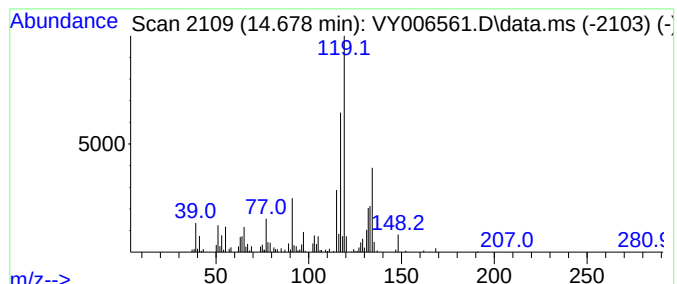
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 1 Ethanone, 1-(4-methylphenyl)- Concentration Rank 2

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.678 | 10.35 ug/l | 111709 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Ethanone, 1-(4-methylphenyl)-       | 134 | C9H10O  | 000122-00-9 | 50   |
| 2    |    |   | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14  | 000874-41-9 | 49   |
| 3    |    |   | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 49   |
| 4    |    |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000767-99-7 | 47   |
| 5    |    |   | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 46   |



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Misc : 5.03G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-03-102921

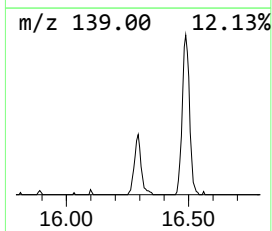
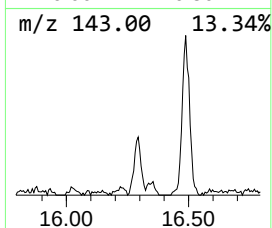
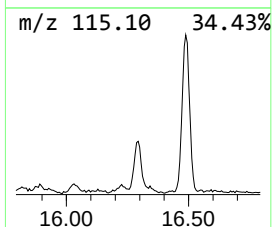
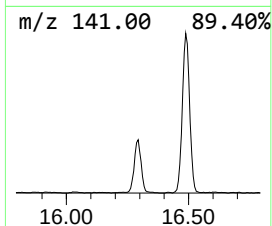
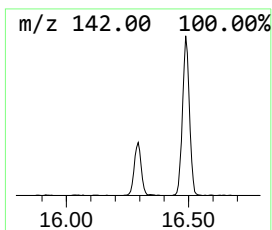
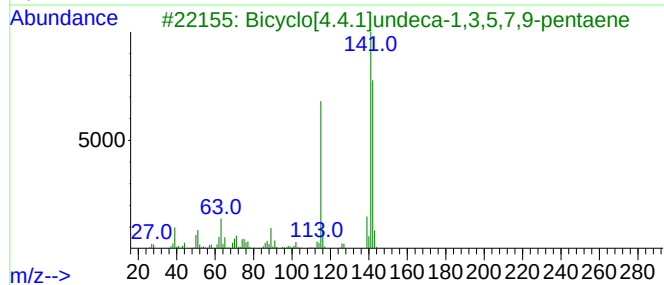
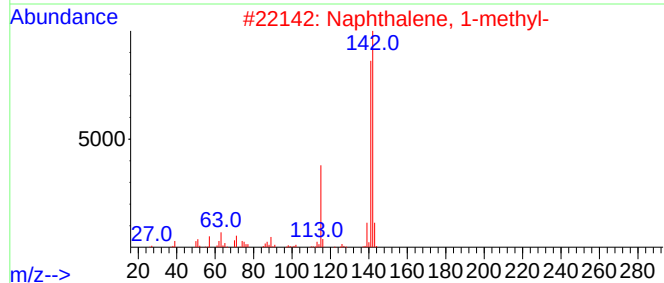
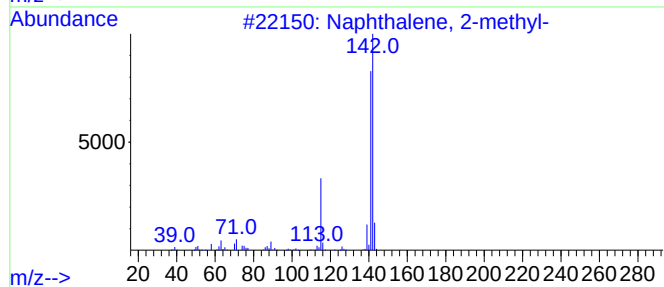
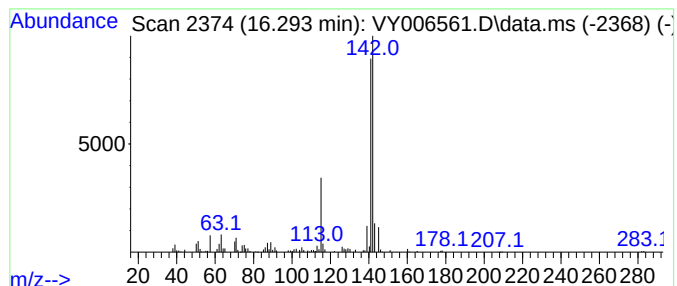
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 3

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 16.293 | 7.53 ug/l | 81317 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------------|-----|---------|-------------|------|
| 1    |      | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 97   |
| 2    |      | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |      | Bicyclo[4.4.1]undeca-1,3,5,7,9-p... | 142 | C11H10  | 002443-46-1 | 91   |
| 4    |      | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 90   |
| 5    |      | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 90   |



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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-03-102921

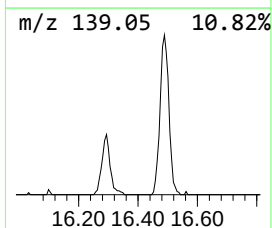
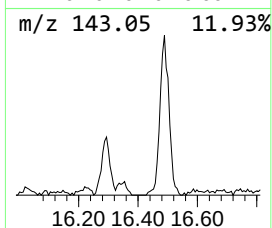
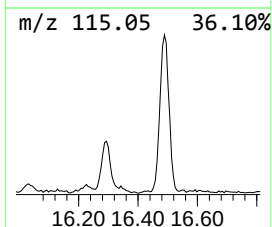
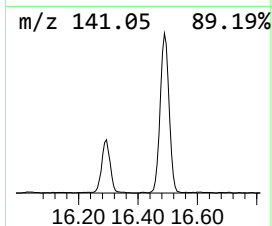
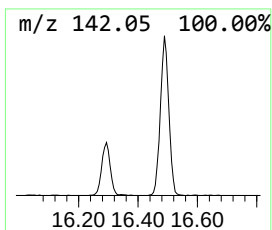
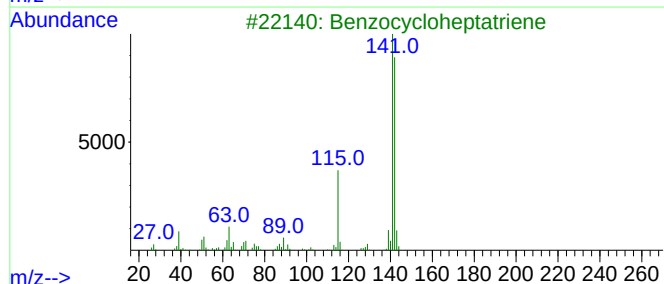
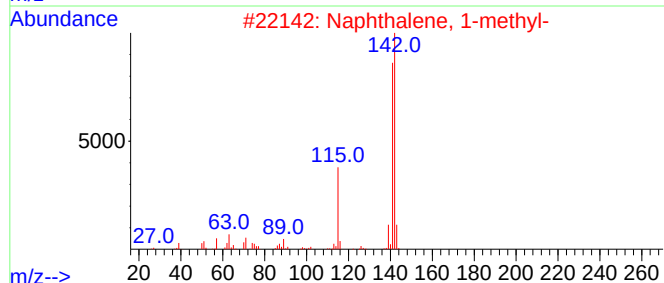
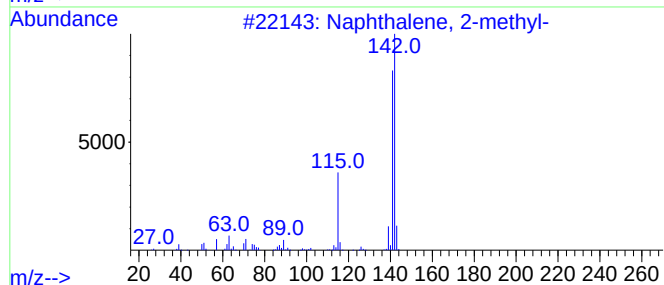
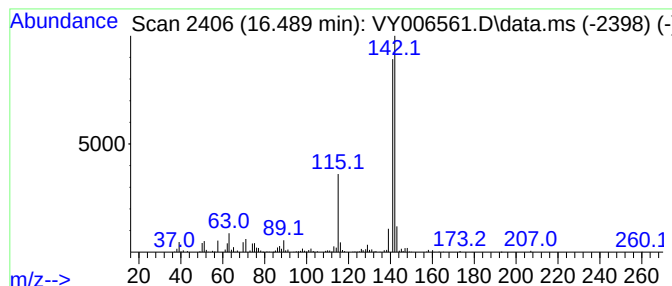
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Benzocycloheptatriene Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.488 | 28.25 ug/l | 304986 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 97   |
| 2    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 97   |
| 3    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 95   |
| 4    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 94   |
| 5    |    |   | Bicyclo[4.4.1]undeca-1,3,5,7,9-p... | 142 | C11H10  | 002443-46-1 | 90   |



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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-03-102921

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
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 |
| Ethanone, 1-(4-... | 14.678 | 10.4    | ug/l  | 111709   | 4                     | 13.428 | 539853 | 50.0 |
| Naphthalene, 1-... | 16.293 | 7.5     | ug/l  | 81317    | 4                     | 13.428 | 539853 | 50.0 |
| Benzocyclohepta... | 16.488 | 28.3    | ug/l  | 304986   | 4                     | 13.428 | 539853 | 50.0 |