

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY010622\  
 Data File : VY007034.D  
 Acq On : 06 Jan 2022 15:54  
 Operator : SY/MD  
 Sample : N1016-01  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 E3

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\82Y010522S.M  
 Title : SW846 8260

Signal : TIC: VY007034.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         | 4.716       | 464           | 475         | 491          | rBV2     | 24446          | 79891         | 10.06%          | 1.190%        |
| 2         | 5.747       | 636           | 644         | 655          | rBV3     | 6541           | 20447         | 2.57%           | 0.305%        |
| 3         | 6.990       | 835           | 848         | 862          | rBV      | 11969          | 42960         | 5.41%           | 0.640%        |
| 4         | 7.722       | 959           | 968         | 974          | rBV      | 117807         | 278977        | 35.12%          | 4.156%        |
| 5         | 7.795       | 974           | 980         | 992          | rVB      | 179995         | 402608        | 50.68%          | 5.998%        |
| 6         | 8.143       | 1023          | 1037        | 1051         | rBV2     | 116676         | 279542        | 35.19%          | 4.164%        |
| 7         | 8.691       | 1119          | 1127        | 1141         | rVB      | 284485         | 574200        | 72.28%          | 8.554%        |
| 8         | 10.185      | 1364          | 1372        | 1379         | rBV      | 460560         | 794418        | 100.00%         | 11.834%       |
| 9         | 10.246      | 1379          | 1382        | 1387         | rVB      | 6228           | 9628          | 1.21%           | 0.143%        |
| 10        | 10.581      | 1431          | 1437        | 1446         | rVB      | 37245          | 68075         | 8.57%           | 1.014%        |
| 11        | 10.953      | 1491          | 1498        | 1506         | rBV2     | 18143          | 35654         | 4.49%           | 0.531%        |
| 12        | 11.319      | 1546          | 1558        | 1565         | rBV2     | 29678          | 55923         | 7.04%           | 0.833%        |
| 13        | 11.496      | 1579          | 1587        | 1597         | rVB      | 432021         | 707421        | 89.05%          | 10.538%       |
| 14        | 11.593      | 1597          | 1603        | 1613         | rBV      | 30181          | 52152         | 6.56%           | 0.777%        |
| 15        | 11.703      | 1613          | 1621        | 1631         | rBV      | 67200          | 137693        | 17.33%          | 2.051%        |
| 16        | 12.032      | 1665          | 1675        | 1682         | rBV      | 55071          | 105208        | 13.24%          | 1.567%        |
| 17        | 12.124      | 1686          | 1690        | 1694         | rVB2     | 7468           | 10494         | 1.32%           | 0.156%        |
| 18        | 12.203      | 1699          | 1703        | 1706         | rBV3     | 9909           | 15451         | 1.94%           | 0.230%        |
| 19        | 12.252      | 1706          | 1711        | 1715         | rVB4     | 7782           | 16007         | 2.01%           | 0.238%        |
| 20        | 12.331      | 1720          | 1724        | 1729         | rBV2     | 9589           | 17130         | 2.16%           | 0.255%        |
| 21        | 12.483      | 1743          | 1749        | 1759         | rVB2     | 393432         | 670581        | 84.41%          | 9.989%        |
| 22        | 12.648      | 1771          | 1776        | 1778         | rBV4     | 12833          | 19825         | 2.50%           | 0.295%        |
| 23        | 12.739      | 1785          | 1791        | 1794         | rBV      | 55797          | 97595         | 12.29%          | 1.454%        |
| 24        | 12.770      | 1794          | 1796        | 1799         | rVV      | 27856          | 40876         | 5.15%           | 0.609%        |
| 25        | 12.813      | 1799          | 1803        | 1809         | rVB      | 79806          | 131687        | 16.58%          | 1.962%        |
| 26        | 12.977      | 1822          | 1830        | 1837         | rBV      | 28675          | 64307         | 8.09%           | 0.958%        |
| 27        | 13.044      | 1837          | 1841        | 1848         | rVV2     | 18972          | 29895         | 3.76%           | 0.445%        |
| 28        | 13.123      | 1848          | 1854        | 1859         | rVV      | 120081         | 185103        | 23.30%          | 2.757%        |
| 29        | 13.178      | 1859          | 1863        | 1868         | rVB3     | 12318          | 23006         | 2.90%           | 0.343%        |
| 30        | 13.319      | 1879          | 1886        | 1890         | rBV5     | 24763          | 49598         | 6.24%           | 0.739%        |
| 31        | 13.367      | 1890          | 1894        | 1898         | rVV3     | 17805          | 29712         | 3.74%           | 0.443%        |
| 32        | 13.428      | 1898          | 1904        | 1914         | rVV2     | 445271         | 783020        | 98.57%          | 11.664%       |
| 33        | 13.495      | 1914          | 1915        | 1923         | rVB5     | 9251           | 12951         | 1.63%           | 0.193%        |
| 34        | 13.629      | 1929          | 1937        | 1941         | rVV2     | 80973          | 136110        | 17.13%          | 2.028%        |
| 35        | 13.666      | 1941          | 1943        | 1951         | rVB3     | 29766          | 47052         | 5.92%           | 0.701%        |
| 36        | 13.751      | 1952          | 1957        | 1962         | rBV3     | 35076          | 57240         | 7.21%           | 0.853%        |

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 Sample : N1016-01  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 E3

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\82Y010522S.M  
 Title : SW846 8260

|    |        |      |      |      |      |       |        |        |        |
|----|--------|------|------|------|------|-------|--------|--------|--------|
| 37 | 13.806 | 1962 | 1966 | 1973 | rVV4 | 17716 | 39782  | 5.01%  | 0.593% |
| 38 | 13.885 | 1976 | 1979 | 1982 | rVV  | 13516 | 21305  | 2.68%  | 0.317% |
| 39 | 13.916 | 1982 | 1984 | 1988 | rVV  | 17067 | 22974  | 2.89%  | 0.342% |
| 40 | 13.971 | 1988 | 1993 | 1998 | rVB3 | 45678 | 74924  | 9.43%  | 1.116% |
| 41 | 14.081 | 2006 | 2011 | 2016 | rBV3 | 24776 | 39181  | 4.93%  | 0.584% |
| 42 | 14.221 | 2028 | 2034 | 2037 | rBV3 | 10318 | 17646  | 2.22%  | 0.263% |
| 43 | 14.263 | 2037 | 2041 | 2044 | rVV5 | 12682 | 24497  | 3.08%  | 0.365% |
| 44 | 14.300 | 2044 | 2047 | 2050 | rVV2 | 13873 | 22127  | 2.79%  | 0.330% |
| 45 | 14.337 | 2050 | 2053 | 2057 | rVB  | 20605 | 28771  | 3.62%  | 0.429% |
| 46 | 14.385 | 2057 | 2061 | 2064 | rBV3 | 7628  | 10225  | 1.29%  | 0.152% |
| 47 | 14.422 | 2064 | 2067 | 2072 | rVB4 | 10502 | 13443  | 1.69%  | 0.200% |
| 48 | 14.568 | 2088 | 2091 | 2095 | rVV3 | 6477  | 10046  | 1.26%  | 0.150% |
| 49 | 14.617 | 2095 | 2099 | 2103 | rVB6 | 9237  | 13977  | 1.76%  | 0.208% |
| 50 | 14.678 | 2103 | 2109 | 2115 | rBV3 | 28451 | 58369  | 7.35%  | 0.870% |
| 51 | 14.745 | 2115 | 2120 | 2126 | rVV8 | 7895  | 14911  | 1.88%  | 0.222% |
| 52 | 14.837 | 2130 | 2135 | 2140 | rVB4 | 9366  | 14134  | 1.78%  | 0.211% |
| 53 | 15.056 | 2166 | 2171 | 2180 | rVB7 | 5090  | 12369  | 1.56%  | 0.184% |
| 54 | 15.239 | 2194 | 2201 | 2207 | rVB  | 83541 | 138270 | 17.41% | 2.060% |
| 55 | 15.318 | 2209 | 2214 | 2224 | rVV4 | 10016 | 19228  | 2.42%  | 0.286% |
| 56 | 16.294 | 2369 | 2374 | 2382 | rVB2 | 11007 | 21181  | 2.67%  | 0.316% |
| 57 | 16.495 | 2401 | 2407 | 2414 | rBV  | 6395  | 13073  | 1.65%  | 0.195% |

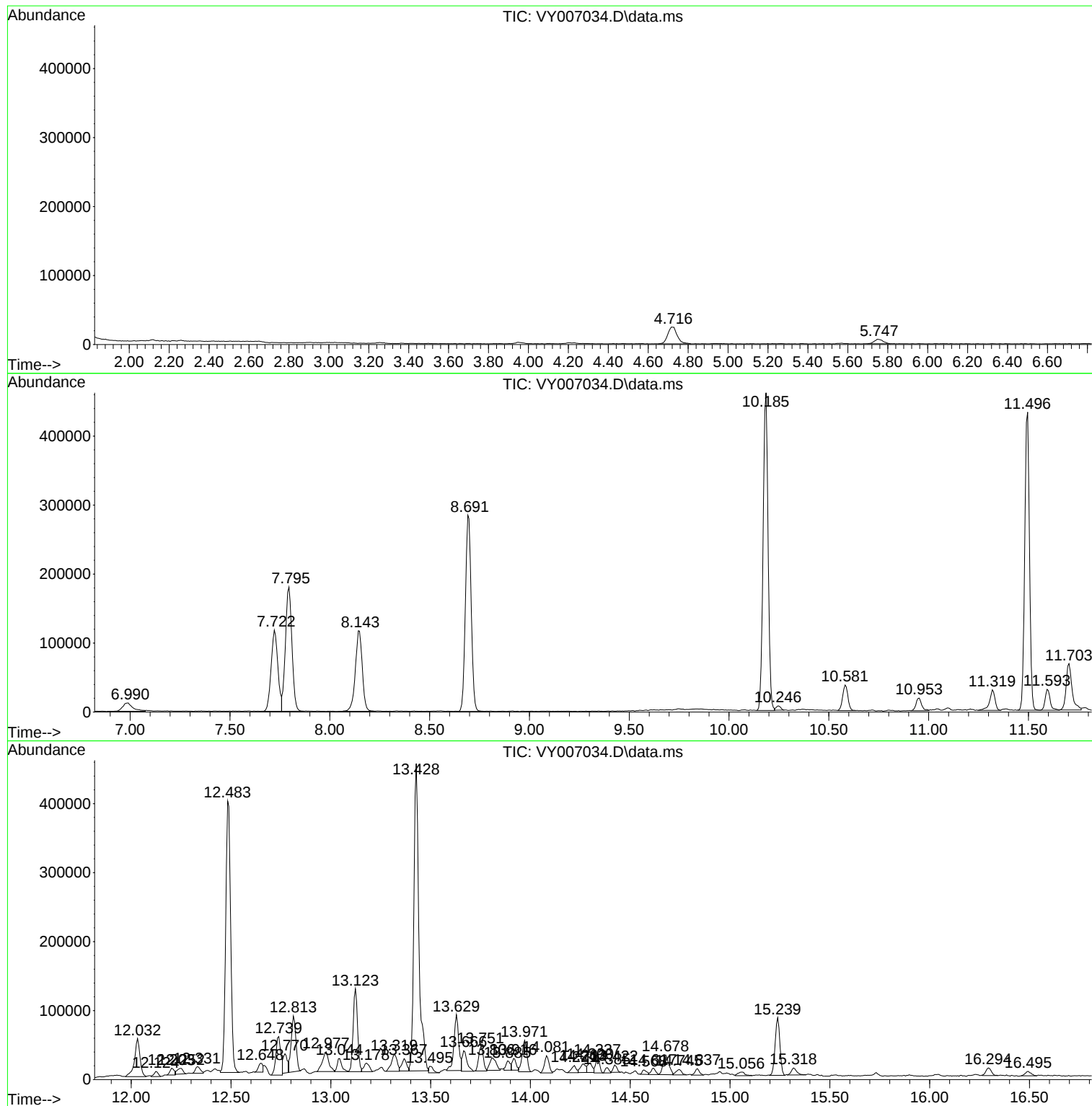
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY010622\  
Data File : VY007034.D  
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Sample : N1016-01  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
E3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010522S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY010622\  
Data File : VY007034.D  
Acq On : 06 Jan 2022 15:54  
Operator : SY/MD  
Sample : N1016-01  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
E3

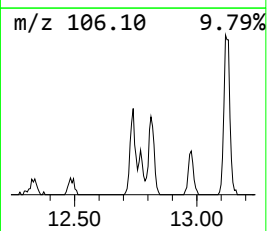
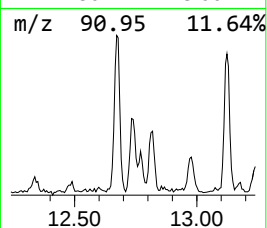
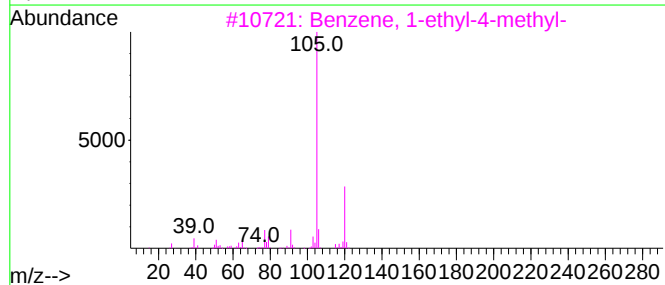
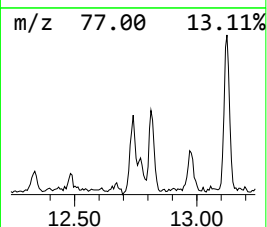
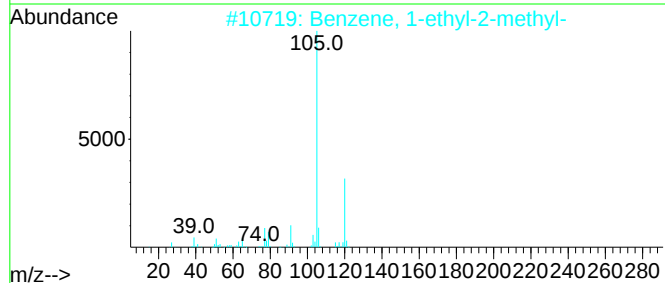
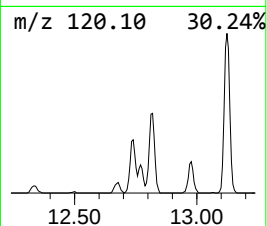
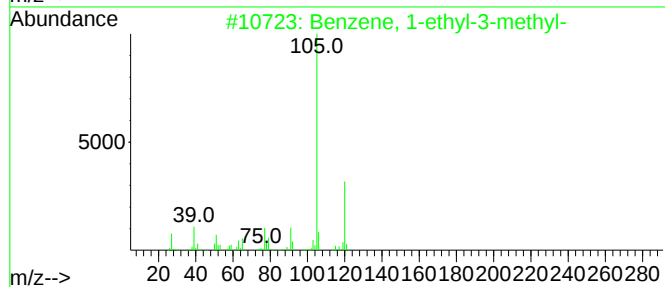
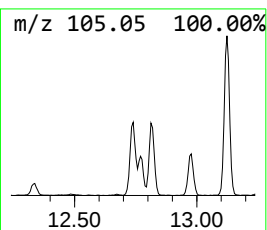
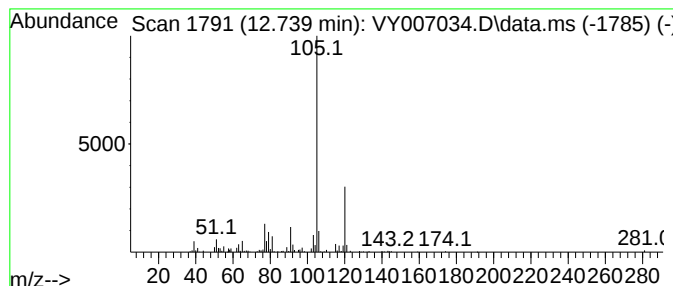
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010522S.M  
Quant Title : SW846 8260

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

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Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 4

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 12.739 | 6.23 ug/l | 97595 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 95   |
| 2    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 3    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 94   |
| 4    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |
| 5    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |



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Sample : N1016-01  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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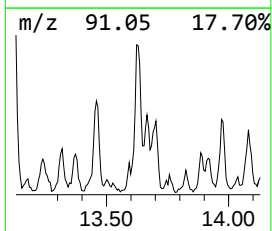
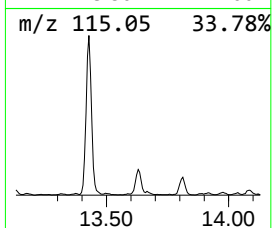
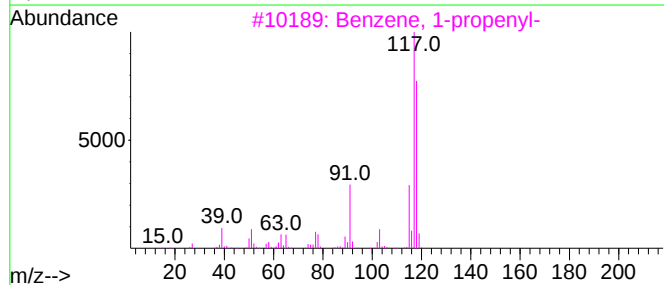
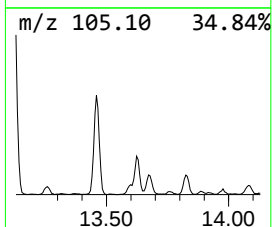
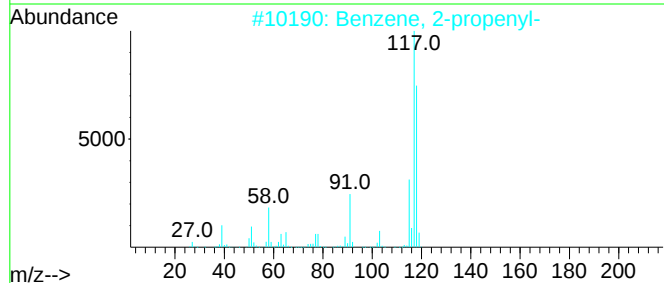
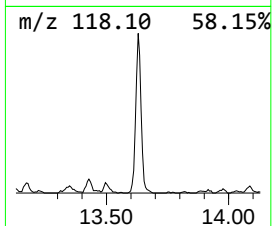
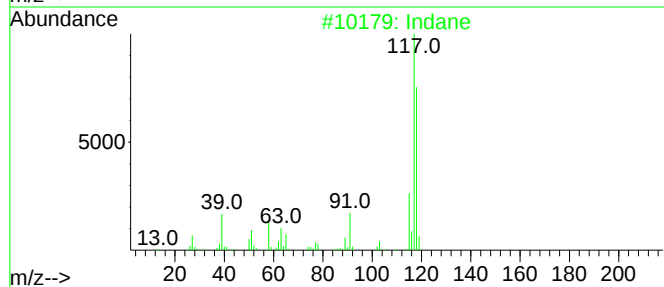
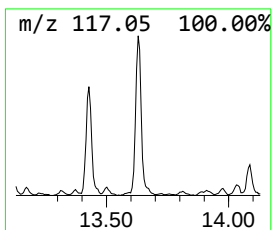
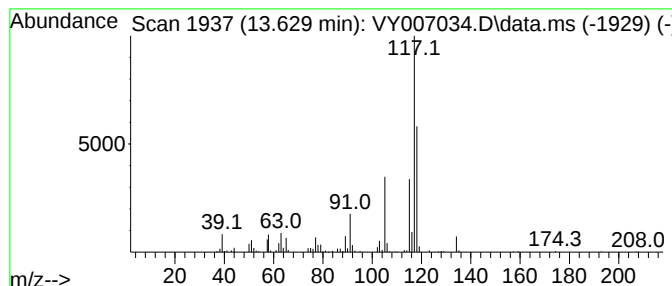
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010522S.M  
Quant Title : SW846 8260

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

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Peak Number 4 Indane Concentration Rank 3

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.629 | 8.69 ug/l | 136110 | 1,4-Dichlorobenzene-d4 | 13.428 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Indane                | 118 | C9H10   | 000496-11-7 | 76   |
| 2    |    |   | Benzene, 2-propenyl-  | 118 | C9H10   | 000300-57-2 | 70   |
| 3    |    |   | Benzene, 1-propenyl-  | 118 | C9H10   | 000637-50-3 | 70   |
| 4    |    |   | Benzene, cyclopropyl- | 118 | C9H10   | 000873-49-4 | 70   |
| 5    |    |   | (Z)-1-Phenylpropene   | 118 | C9H10   | 000766-90-5 | 70   |



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010522S.M  
Quant Title : SW846 8260

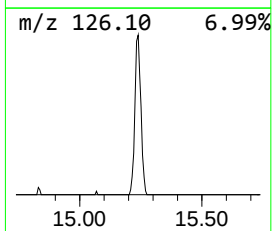
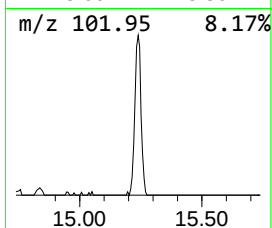
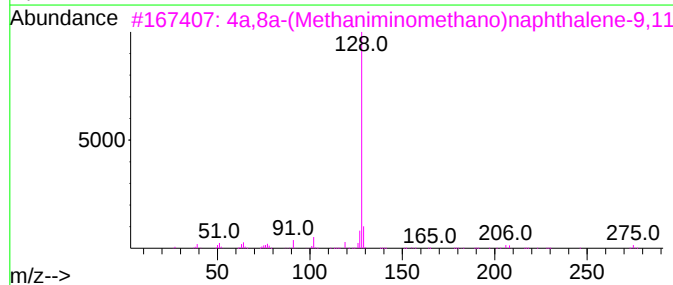
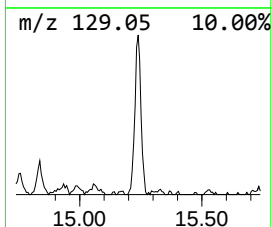
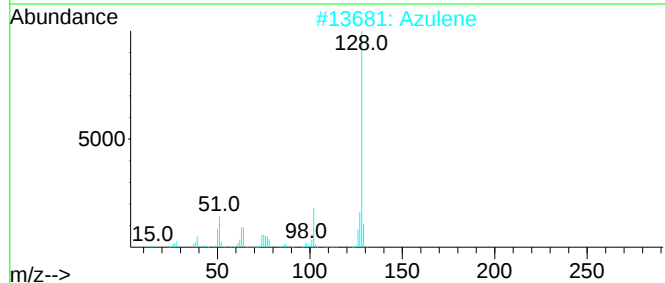
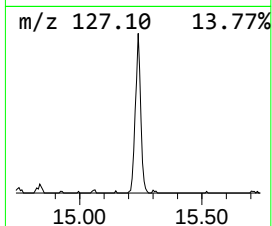
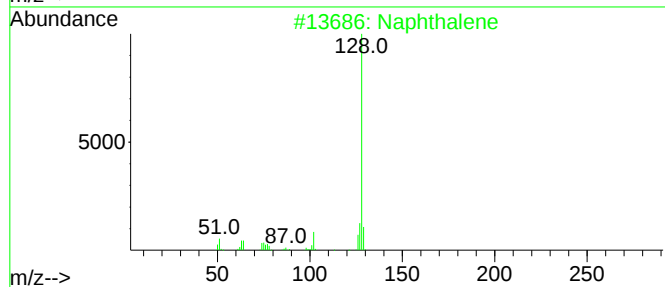
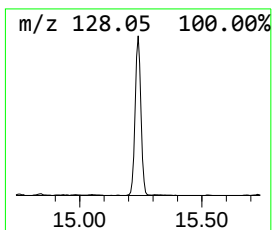
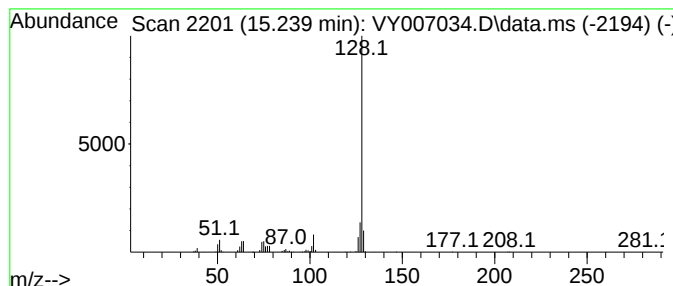
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Azulene Concentration Rank 2

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.239 | 8.83 ug/l | 138270 | 1,4-Dichlorobenzene-d4 | 13.428 |

| 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    |    |   | m-Fluorothiophenol                  | 128 | C6H5FS    | 002557-77-9 | 72   |
| 5    |    |   | o-Fluorothiophenol                  | 128 | C6H5FS    | 002557-78-0 | 72   |



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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
E3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010522S.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 |
| Benzene, 1-ethy... | 12.739 | 6.2     | ug/l  | 97595    | 4                     | 13.428 | 783020 | 50.0 |
| Indane             | 13.629 | 8.7     | ug/l  | 136110   | 4                     | 13.428 | 783020 | 50.0 |
| Azulene            | 15.239 | 8.8     | ug/l  | 138270   | 4                     | 13.428 | 783020 | 50.0 |