

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020525\  
 Data File : VY021086.D  
 Acq On : 05 Feb 2025 14:14  
 Operator : SY/MD  
 Sample : Q1277-01  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RT 3249-VOC

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\82Y020325S.M  
 Title : SW846 8260

Signal : TIC: VY021086.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         | 6.897       | 835           | 849         | 857          | rBV3     | 1929           | 5987          | 2.50%           | 0.368%        |
| 2         | 7.634       | 961           | 970         | 976          | rBV2     | 30199          | 74616         | 31.14%          | 4.592%        |
| 3         | 7.713       | 976           | 983         | 996          | rVB      | 75436          | 176657        | 73.74%          | 10.872%       |
| 4         | 8.067       | 1032          | 1041        | 1050         | rBV2     | 19834          | 47694         | 19.91%          | 2.935%        |
| 5         | 8.616       | 1123          | 1131        | 1140         | rBV      | 93530          | 191171        | 79.80%          | 11.765%       |
| 6         | 10.109      | 1369          | 1376        | 1389         | rBV      | 138550         | 239577        | 100.00%         | 14.744%       |
| 7         | 11.347      | 1569          | 1579        | 1582         | rVV9     | 4738           | 16409         | 6.85%           | 1.010%        |
| 8         | 11.420      | 1585          | 1591        | 1604         | rVB      | 101338         | 176993        | 73.88%          | 10.893%       |
| 9         | 11.969      | 1674          | 1681        | 1682         | rBV3     | 2641           | 4255          | 1.78%           | 0.262%        |
| 10        | 12.042      | 1684          | 1693        | 1695         | rBV8     | 4578           | 10744         | 4.48%           | 0.661%        |
| 11        | 12.408      | 1746          | 1753        | 1763         | rBV      | 57897          | 99135         | 41.38%          | 6.101%        |
| 12        | 12.639      | 1777          | 1791        | 1808         | rBV4     | 18465          | 98422         | 41.08%          | 6.057%        |
| 13        | 12.804      | 1809          | 1818        | 1834         | rVB5     | 13415          | 54699         | 22.83%          | 3.366%        |
| 14        | 13.353      | 1899          | 1908        | 1914         | rBV      | 58385          | 95655         | 39.93%          | 5.887%        |
| 15        | 13.432      | 1914          | 1921        | 1931         | rVB7     | 6564           | 23821         | 9.94%           | 1.466%        |
| 16        | 13.810      | 1978          | 1983        | 1984         | rBV3     | 2081           | 2601          | 1.09%           | 0.160%        |
| 17        | 13.834      | 1984          | 1987        | 1994         | rVV6     | 2575           | 5716          | 2.39%           | 0.352%        |
| 18        | 14.115      | 2026          | 2033        | 2045         | rVB9     | 3119           | 11034         | 4.61%           | 0.679%        |
| 19        | 14.371      | 2068          | 2075        | 2079         | rBV4     | 1536           | 2873          | 1.20%           | 0.177%        |
| 20        | 14.560      | 2094          | 2106        | 2120         | rBV2     | 63213          | 219500        | 91.62%          | 13.509%       |
| 21        | 14.706      | 2120          | 2130        | 2137         | rVV6     | 2215           | 7336          | 3.06%           | 0.451%        |
| 22        | 14.944      | 2163          | 2169        | 2170         | rBV4     | 2531           | 2958          | 1.23%           | 0.182%        |
| 23        | 15.145      | 2199          | 2202        | 2208         | rVB5     | 1720           | 2992          | 1.25%           | 0.184%        |
| 24        | 15.261      | 2210          | 2221        | 2228         | rBV4     | 8829           | 31836         | 13.29%          | 1.959%        |
| 25        | 16.181      | 2367          | 2372        | 2378         | rVB4     | 2873           | 5304          | 2.21%           | 0.326%        |
| 26        | 16.712      | 2448          | 2459        | 2470         | rBV3     | 5330           | 16907         | 7.06%           | 1.040%        |

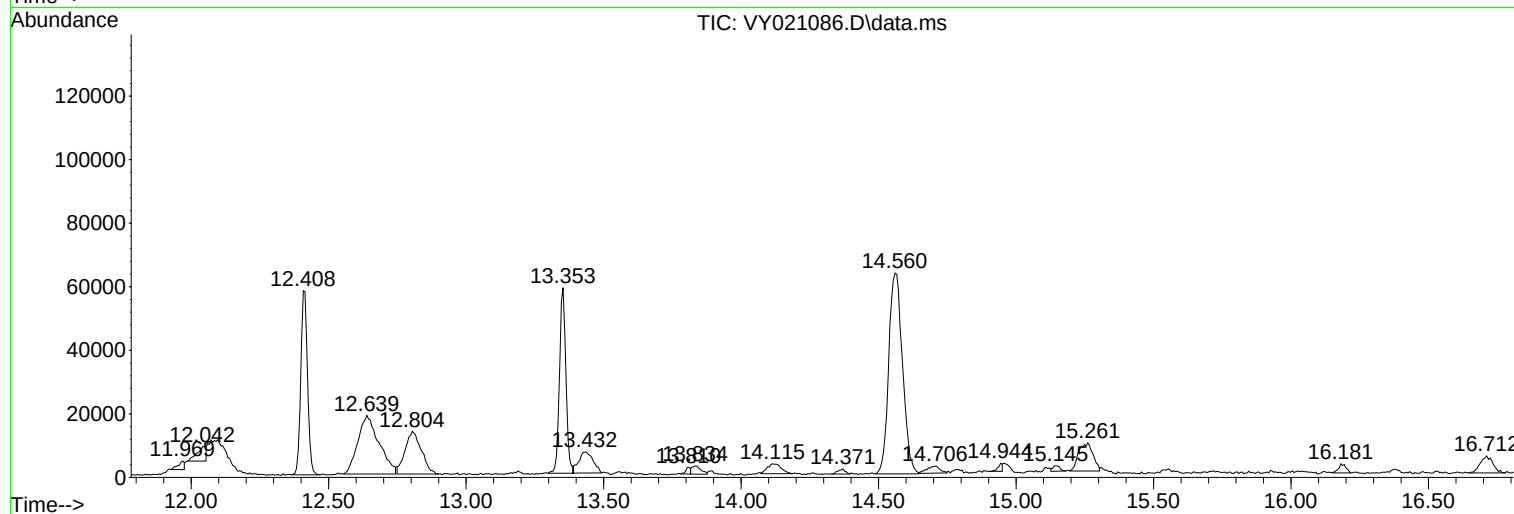
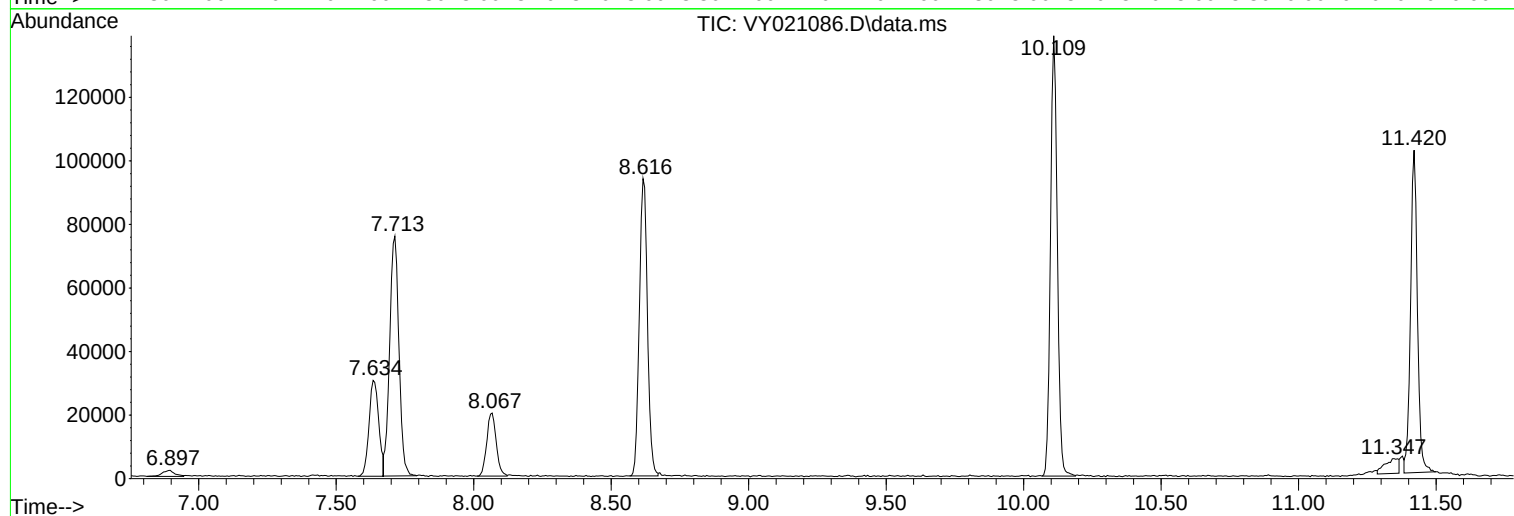
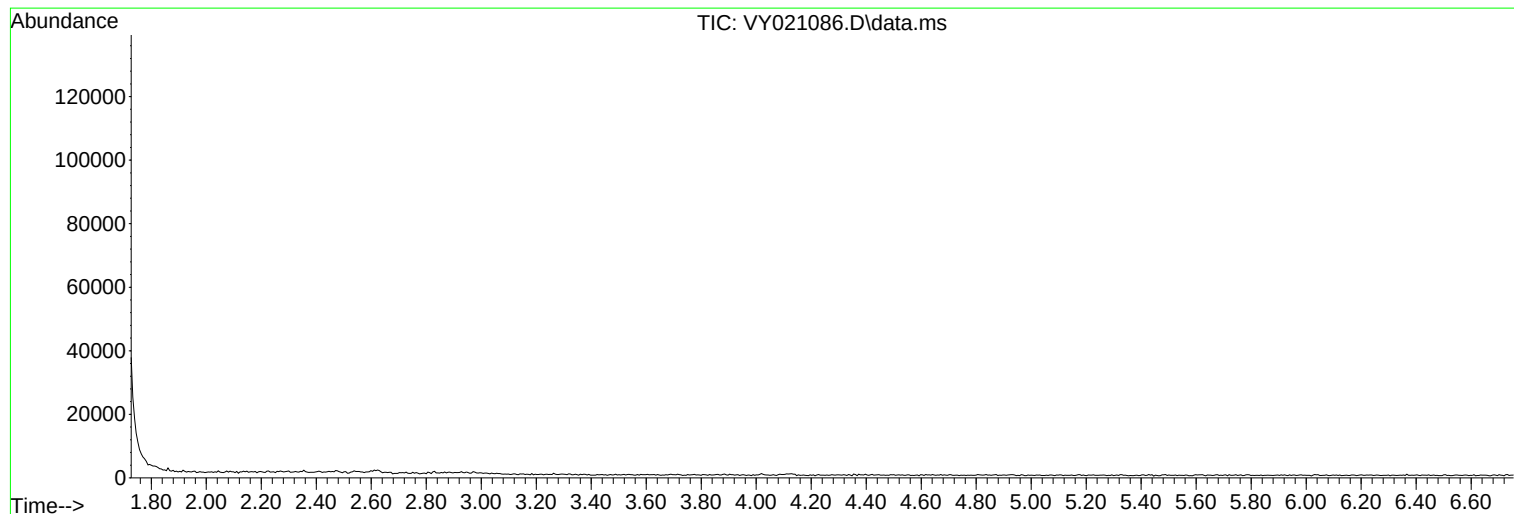
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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT 3249-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
Quant Title : SW846 8260

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



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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT 3249-VOC

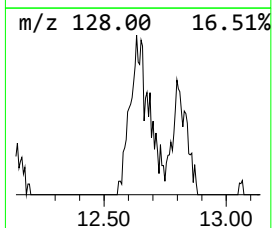
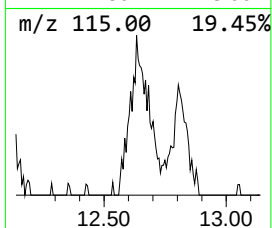
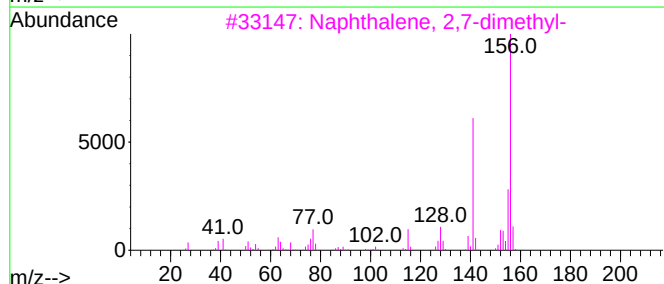
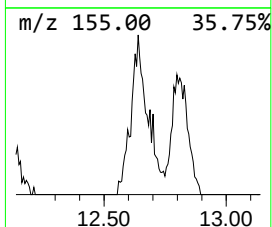
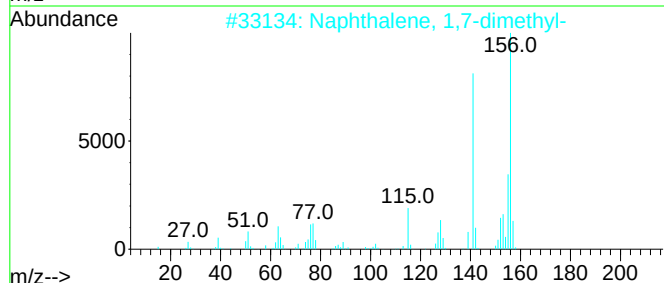
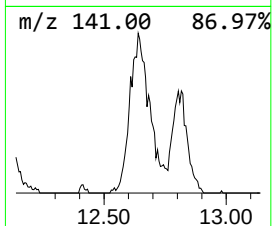
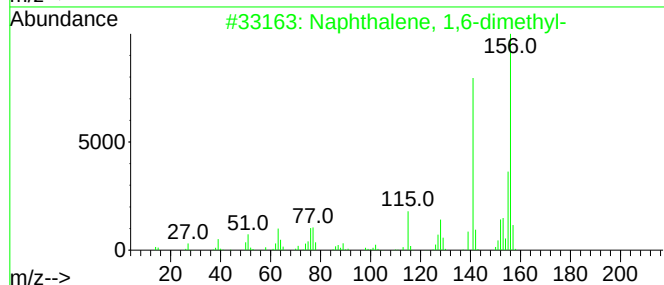
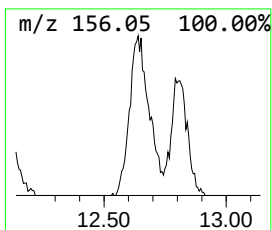
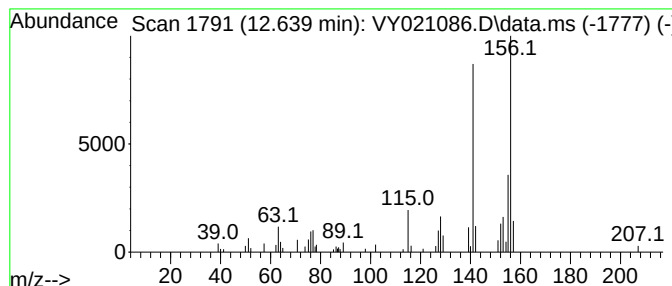
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 2

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 12.639 | 51.45 ug/l | 98422 | 1,4-Dichlorobenzene-d4 | 13.353 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 98   |
| 2    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 98   |
| 3    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 4    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 5    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |



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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT 3249-VOC

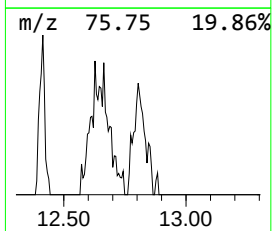
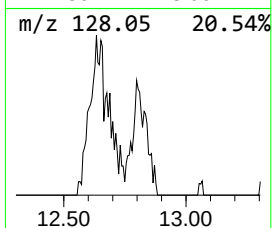
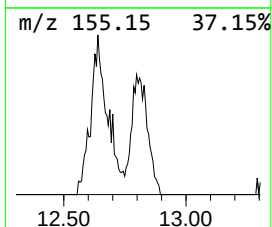
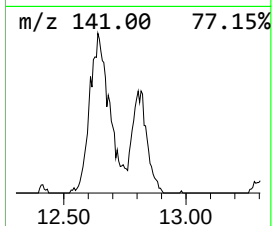
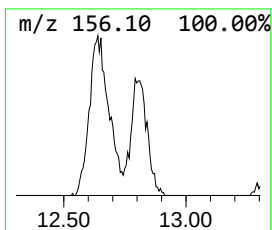
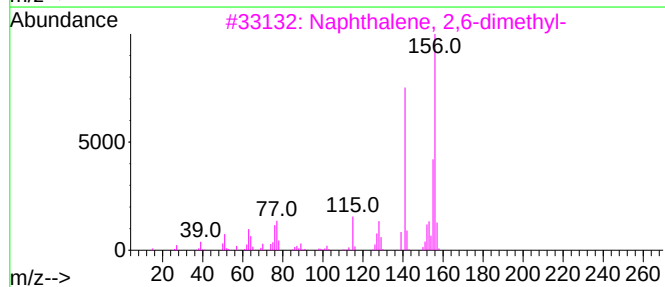
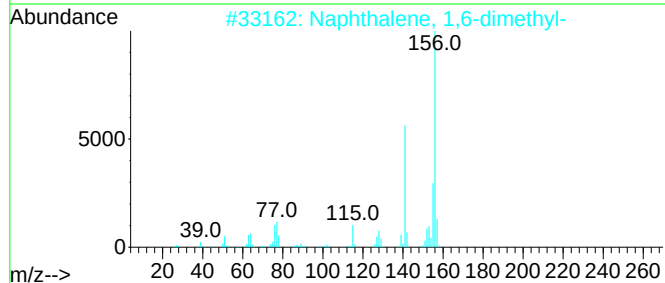
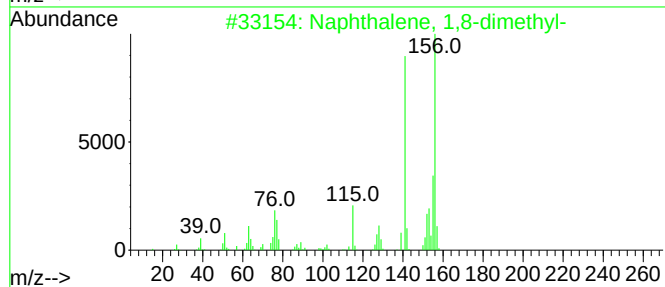
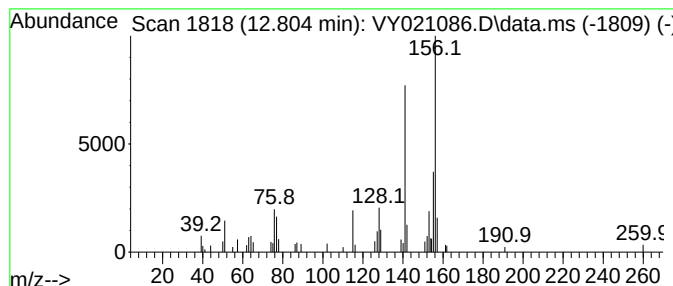
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Naphthalene, 1,8-dimethyl- Concentration Rank 3

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 12.804 | 28.59 ug/l | 54699 | 1,4-Dichlorobenzene-d4 | 13.353 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,8-dimethyl- | 156 | C12H12  | 000569-41-5 | 94   |
| 2    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 94   |
| 3    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 93   |
| 4    |    |   | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 93   |
| 5    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 91   |



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Sample : Q1277-01  
Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT 3249-VOC

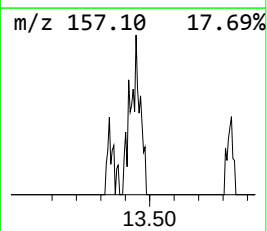
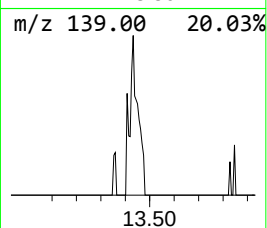
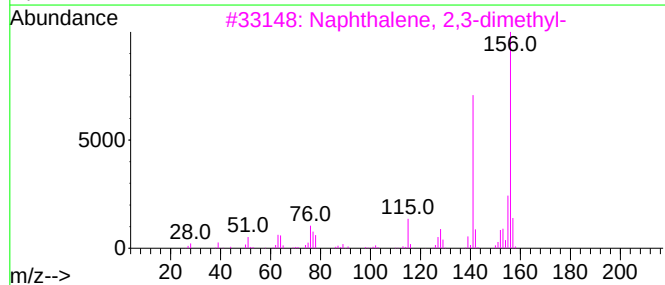
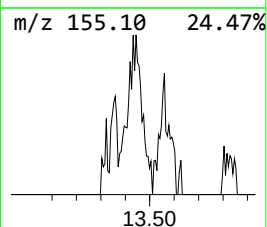
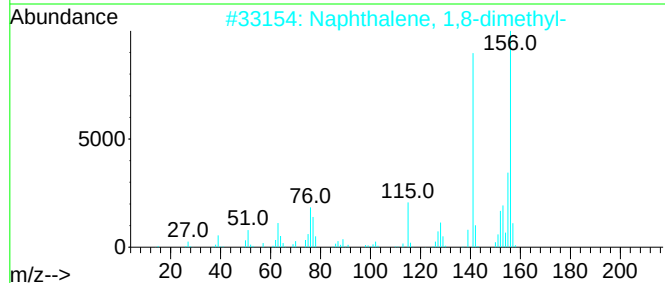
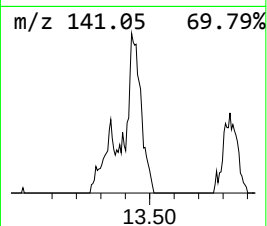
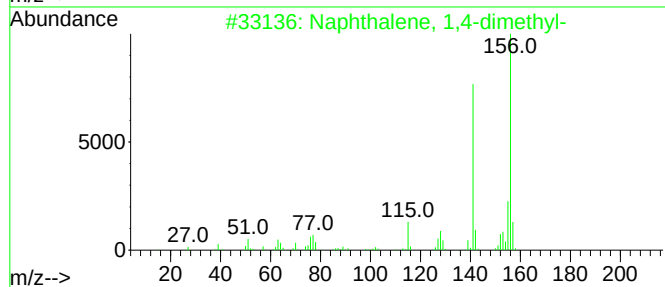
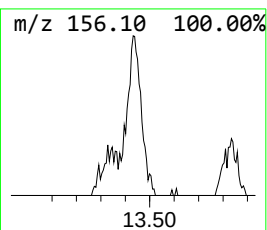
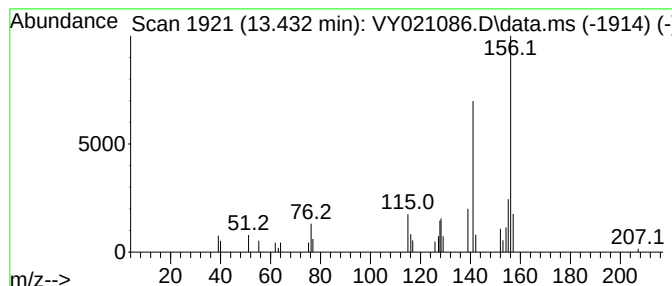
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
Quant Title : SW846 8260

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

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Peak Number 3 Naphthalene, 1,4-dimethyl- Concentration Rank 5

| R.T.   | EstConc    | Area  | Relative to ISTD       | R.T.   |
|--------|------------|-------|------------------------|--------|
| 13.432 | 12.45 ug/l | 23821 | 1,4-Dichlorobenzene-d4 | 13.353 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 76   |
| 2    |    |   | Naphthalene, 1,8-dimethyl- | 156 | C12H12  | 000569-41-5 | 76   |
| 3    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 76   |
| 4    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 74   |
| 5    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 74   |



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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT 3249-VOC

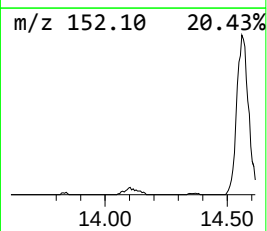
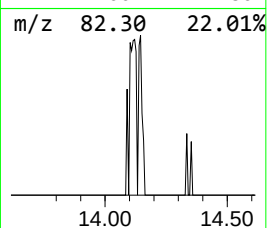
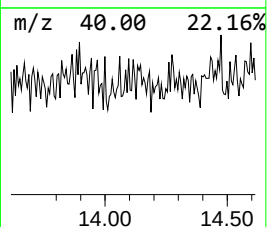
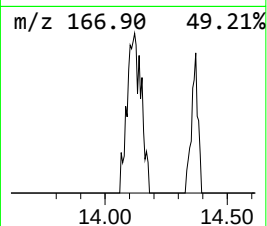
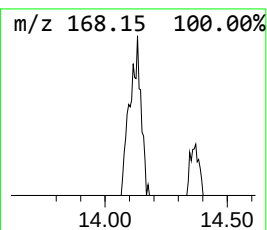
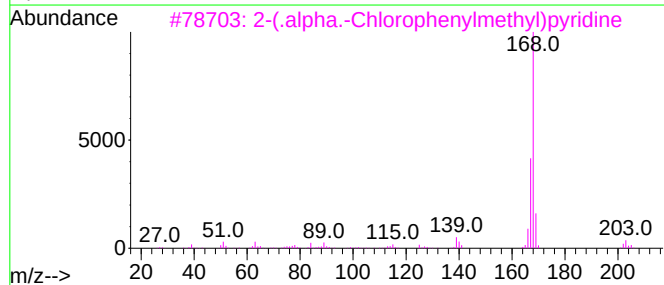
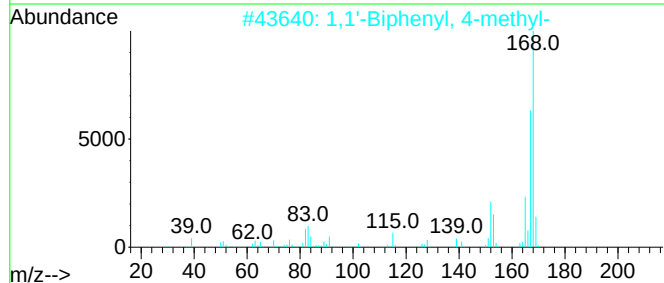
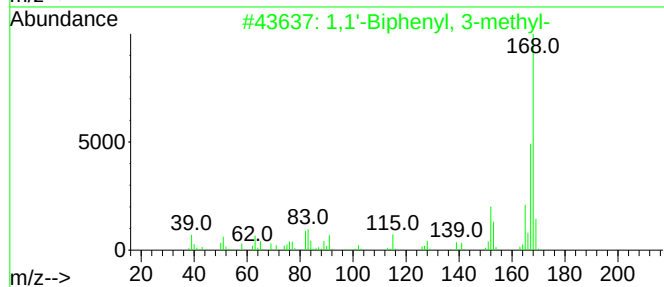
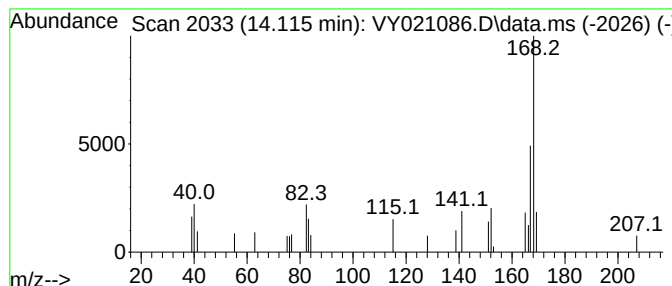
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Quant Title : SW846 8260

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

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Peak Number 4 1,1'-Biphenyl, 3-methyl- Concentration Rank 7

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 14.115 | 5.77 ug/l | 11034 | 1,4-Dichlorobenzene-d4 | 13.353 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|-----------|-------------|------|
| 1    |    |   | 1,1'-Biphenyl, 3-methyl-            | 168 | C13H12    | 000643-93-6 | 68   |
| 2    |    |   | 1,1'-Biphenyl, 4-methyl-            | 168 | C13H12    | 000644-08-6 | 59   |
| 3    |    |   | 2-(.alpha.-Chlorophenylmethyl)py... | 203 | C12H10ClN | 040473-17-4 | 53   |
| 4    |    |   | 1,1'-Biphenyl, 2-methyl-            | 168 | C13H12    | 000643-58-3 | 53   |
| 5    |    |   | Naphthalene, 1-(2-propenyl)-        | 168 | C13H12    | 002489-86-3 | 47   |



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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT 3249-VOC

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.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 |
| Naphthalene, 1,... | 12.639 | 51.5    | ug/l  | 98422    | 4                     | 13.353 | 95655 | 50.0 |
| Naphthalene, 1,... | 12.804 | 28.6    | ug/l  | 54699    | 4                     | 13.353 | 95655 | 50.0 |
| Naphthalene, 1,... | 13.432 | 12.4    | ug/l  | 23821    | 4                     | 13.353 | 95655 | 50.0 |
| 1,1'-Biphenyl, ... | 14.115 | 5.8     | ug/l  | 11034    | 4                     | 13.353 | 95655 | 50.0 |