

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010224\  
 Data File : VN080628.D  
 Acq On : 02 Jan 2024 16:30  
 Operator : JC\MD  
 Sample : 06038-09  
 Misc : 5.05g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T-703

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\_N\methods\82N122723W.M  
 Title : SW846 8260

Signal : TIC: VN080628.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         | 2.283       | 48            | 56          | 64           | rBV2     | 17045          | 46038         | 2.13%           | 0.242%        |
| 2         | 2.818       | 137           | 147         | 148          | rBV8     | 16260          | 33954         | 1.57%           | 0.178%        |
| 3         | 8.165       | 1045          | 1056        | 1060         | rBV      | 243488         | 574880        | 26.61%          | 3.017%        |
| 4         | 8.224       | 1060          | 1066        | 1078         | rVB      | 494628         | 1118829       | 51.79%          | 5.872%        |
| 5         | 8.577       | 1116          | 1126        | 1135         | rBV      | 236731         | 517691        | 23.97%          | 2.717%        |
| 6         | 9.100       | 1205          | 1215        | 1229         | rBV      | 775210         | 1597512       | 73.95%          | 8.384%        |
| 7         | 10.565      | 1456          | 1464        | 1478         | rBV      | 923218         | 1732147       | 80.19%          | 9.091%        |
| 8         | 11.865      | 1677          | 1685        | 1697         | rBV      | 1194865        | 2126364       | 98.44%          | 11.159%       |
| 9         | 12.671      | 1802          | 1822        | 1837         | rBV3     | 93285          | 530766        | 24.57%          | 2.786%        |
| 10        | 12.853      | 1841          | 1853        | 1860         | rVB      | 771243         | 1374280       | 63.62%          | 7.212%        |
| 11        | 13.341      | 1919          | 1936        | 1957         | rVB2     | 219914         | 1146644       | 53.08%          | 6.018%        |
| 12        | 13.688      | 1976          | 1995        | 2007         | rBV2     | 257970         | 1332547       | 61.69%          | 6.993%        |
| 13        | 13.794      | 2007          | 2013        | 2021         | rVB      | 1296385        | 2160130       | 100.00%         | 11.337%       |
| 14        | 13.876      | 2021          | 2027        | 2033         | rBV      | 83532          | 148453        | 6.87%           | 0.779%        |
| 15        | 14.029      | 2038          | 2053        | 2063         | rVV2     | 377913         | 1414719       | 65.49%          | 7.425%        |
| 16        | 14.141      | 2063          | 2072        | 2086         | rVB3     | 174439         | 679388        | 31.45%          | 3.566%        |
| 17        | 14.494      | 2122          | 2132        | 2137         | rBV6     | 43808          | 136482        | 6.32%           | 0.716%        |
| 18        | 14.565      | 2137          | 2144        | 2155         | rVV5     | 113349         | 398811        | 18.46%          | 2.093%        |
| 19        | 14.659      | 2155          | 2160        | 2171         | rVB5     | 17858          | 55758         | 2.58%           | 0.293%        |
| 20        | 14.859      | 2183          | 2194        | 2215         | rVB3     | 69508          | 290319        | 13.44%          | 1.524%        |
| 21        | 15.088      | 2220          | 2233        | 2243         | rBV4     | 59960          | 225000        | 10.42%          | 1.181%        |
| 22        | 15.206      | 2247          | 2253        | 2258         | rBV9     | 13548          | 27456         | 1.27%           | 0.144%        |
| 23        | 15.306      | 2263          | 2270        | 2271         | rBV3     | 24221          | 30456         | 1.41%           | 0.160%        |
| 24        | 15.541      | 2294          | 2310        | 2320         | rBV4     | 156407         | 603502        | 27.94%          | 3.167%        |
| 25        | 15.641      | 2320          | 2327        | 2337         | rBV2     | 175832         | 419375        | 19.41%          | 2.201%        |
| 26        | 16.111      | 2402          | 2407        | 2421         | rVB3     | 35239          | 115773        | 5.36%           | 0.608%        |
| 27        | 16.253      | 2421          | 2431        | 2451         | rVB7     | 36833          | 166062        | 7.69%           | 0.872%        |
| 28        | 16.600      | 2480          | 2490        | 2492         | rBV7     | 18554          | 51073         | 2.36%           | 0.268%        |

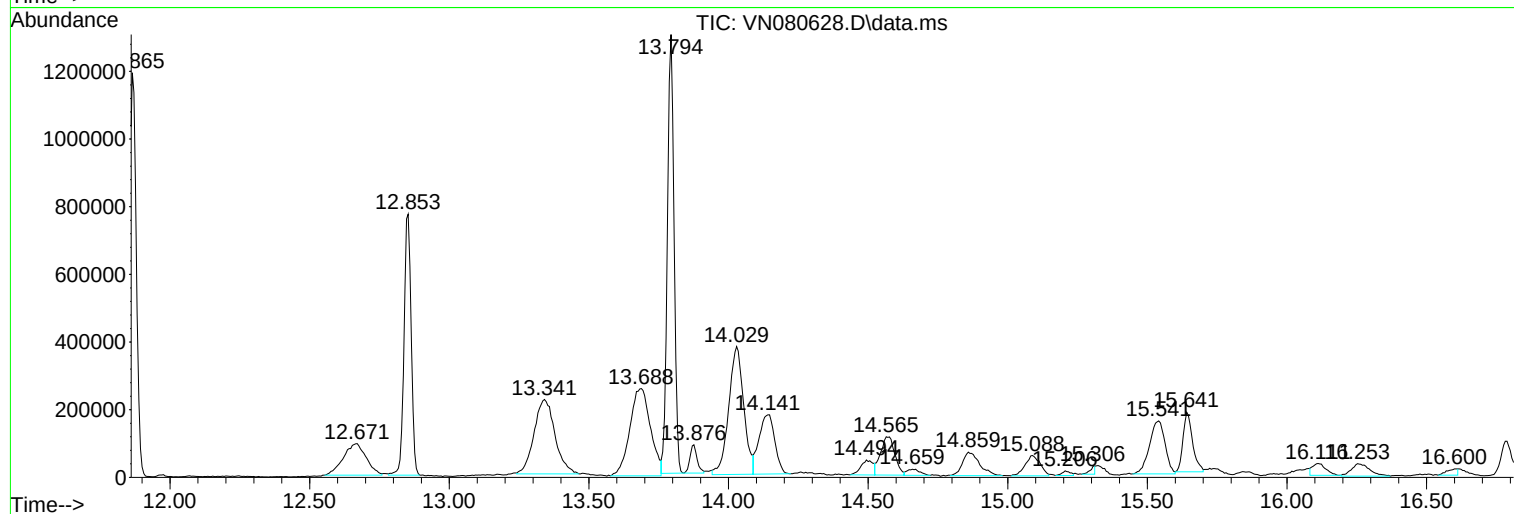
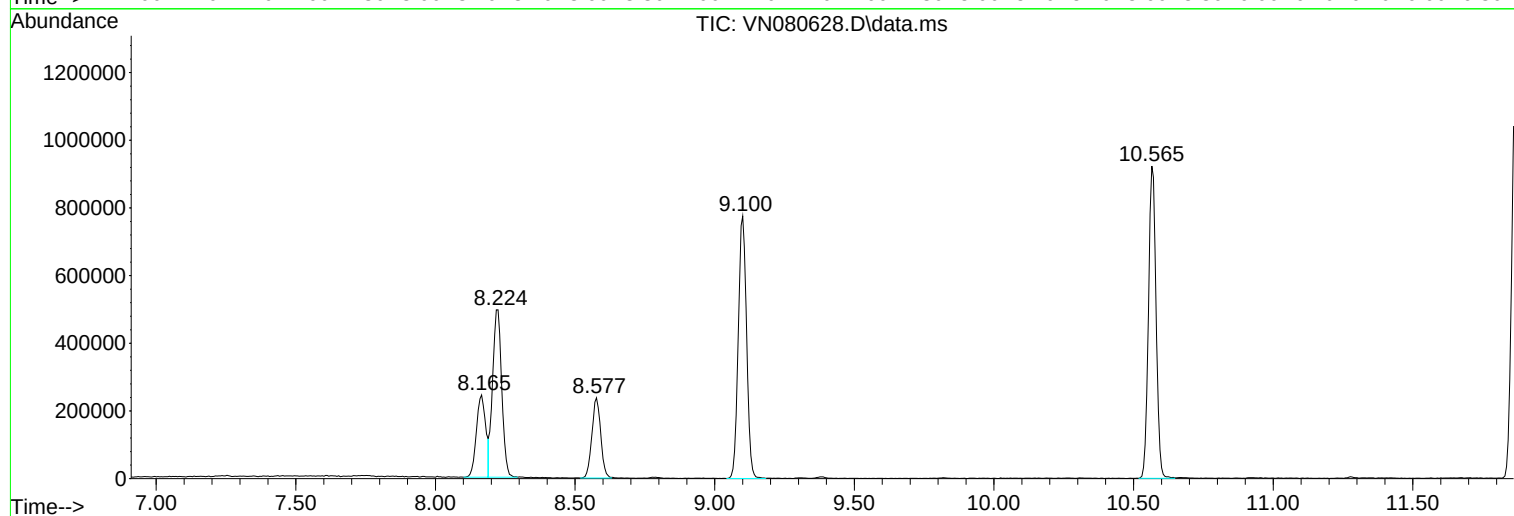
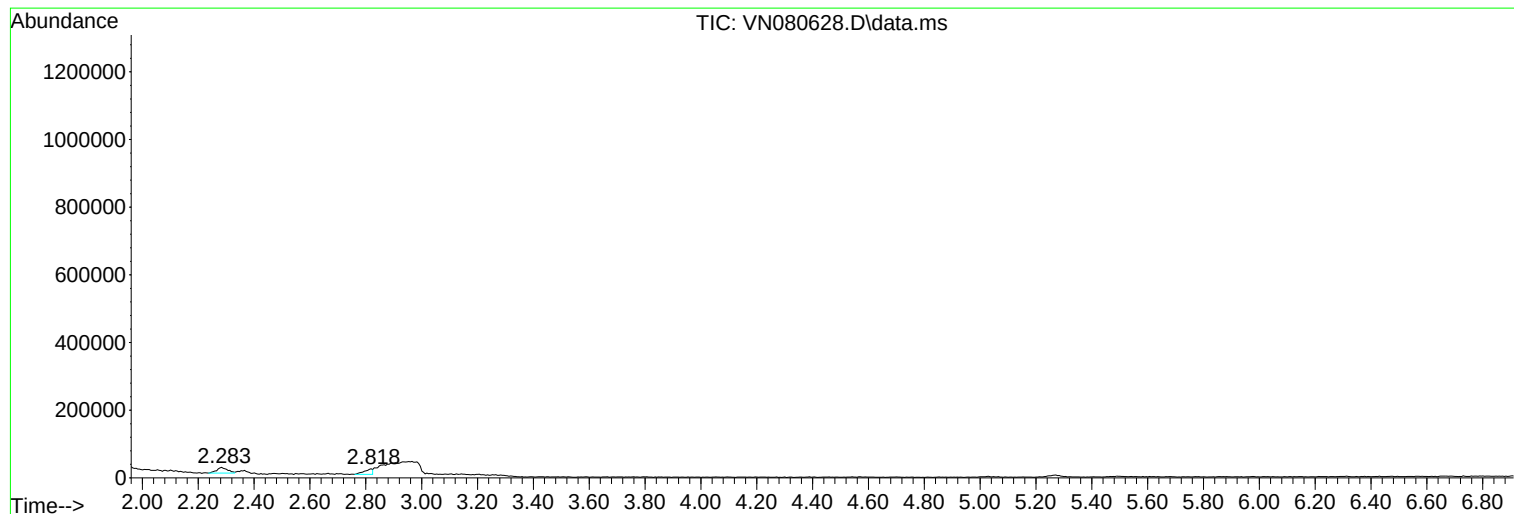
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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
T-703

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122723W.M  
Quant Title : SW846 8260

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



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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
T-703

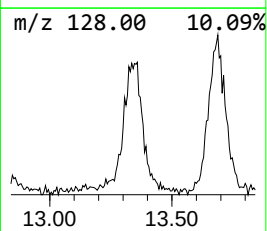
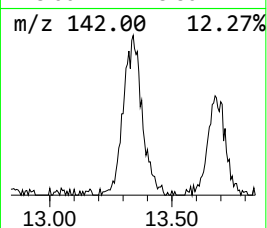
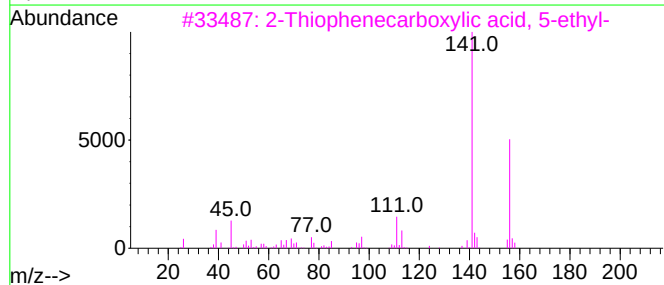
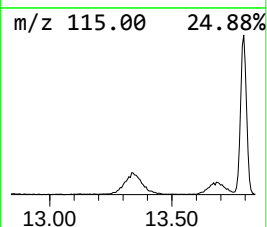
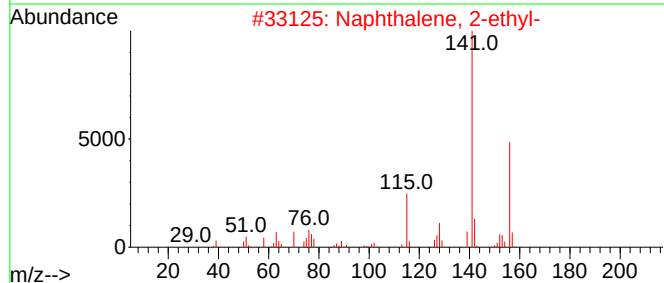
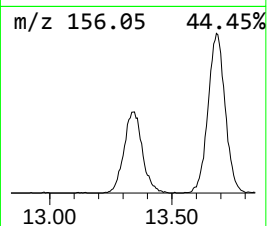
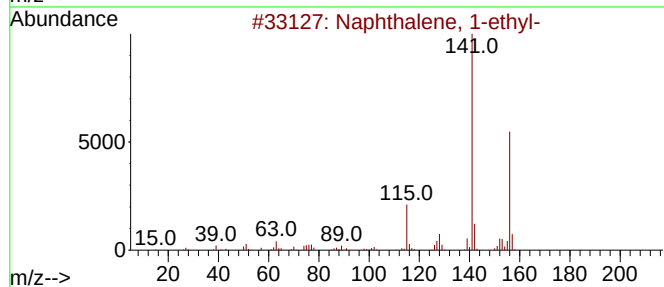
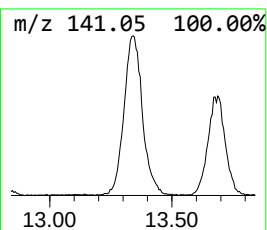
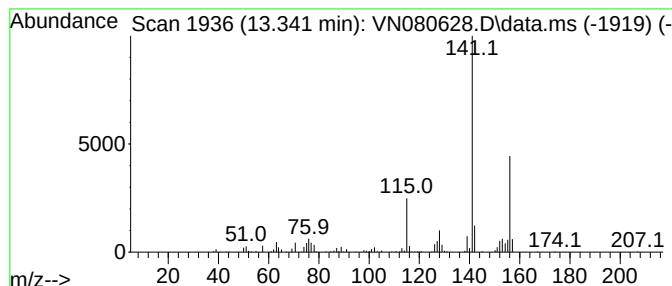
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122723W.M  
Quant Title : SW846 8260

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

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

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 13.341 | 26.54 ug/l | 1146640 | 1,4-Dichlorobenzene-d4 | 13.794 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1-ethyl-               | 156 | C12H12  | 001127-76-0 | 97   |
| 2    |    |   | Naphthalene, 2-ethyl-               | 156 | C12H12  | 000939-27-5 | 96   |
| 3    |    |   | 2-Thiophenecarboxylic acid, 5-et... | 156 | C7H8O2S | 023229-72-3 | 59   |
| 4    |    |   | Naphthalene, 2,3-dimethyl-          | 156 | C12H12  | 000581-40-8 | 58   |
| 5    |    |   | Naphthalene, 2-butyl-               | 184 | C14H16  | 001134-62-9 | 53   |



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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
T-703

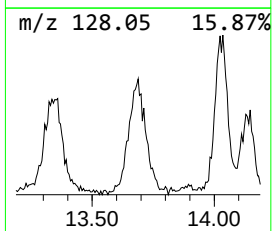
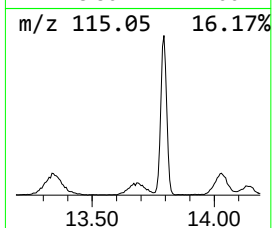
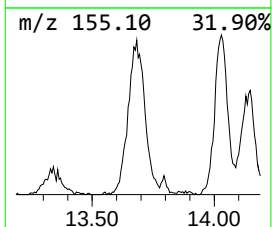
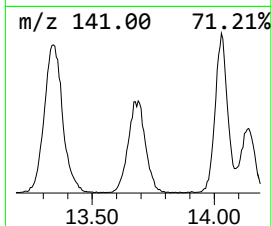
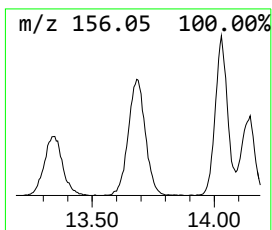
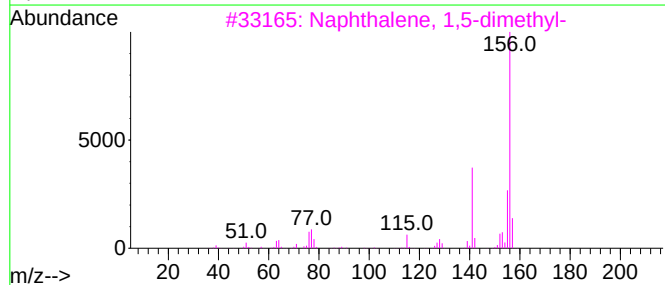
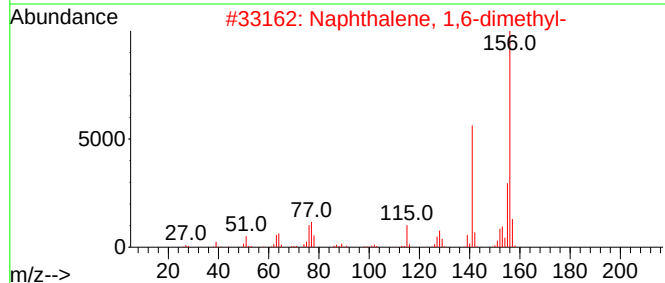
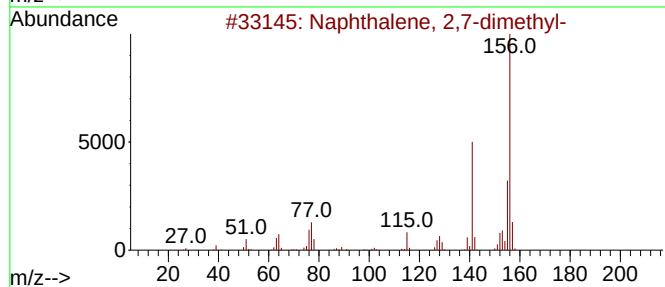
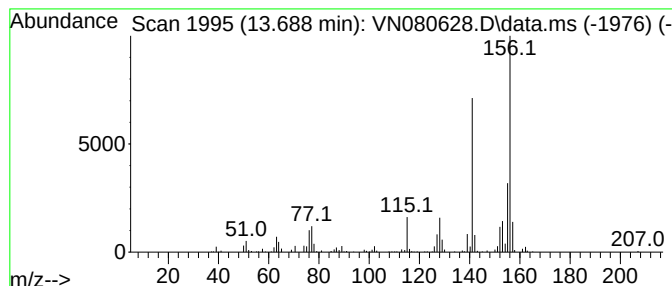
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122723W.M  
Quant Title : SW846 8260

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

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Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 2

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 13.688 | 30.84 ug/l | 1332550 | 1,4-Dichlorobenzene-d4 | 13.794 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 2    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 3    |    |   | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 97   |
| 4    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 96   |
| 5    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 96   |



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Sample : 06038-09  
Misc : 5.05g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
T-703

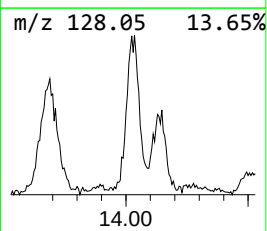
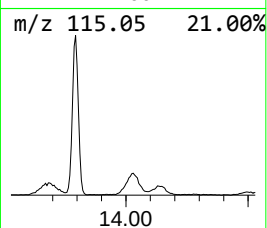
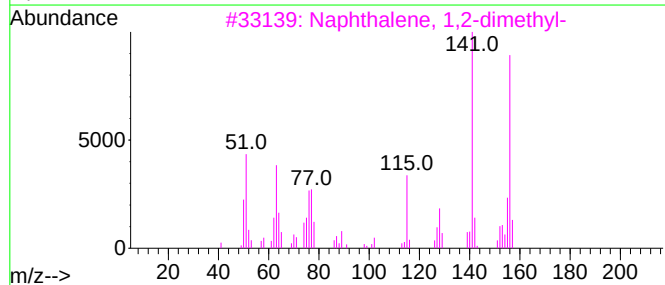
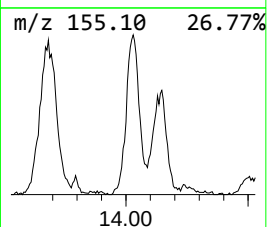
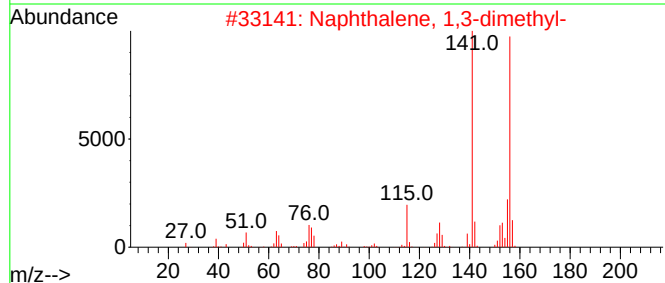
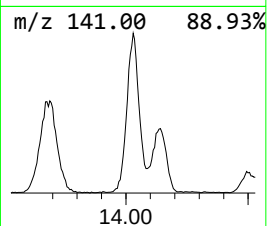
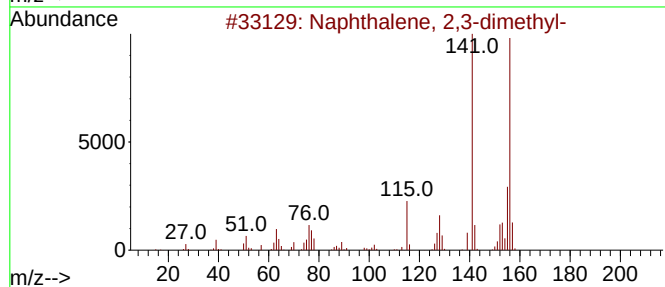
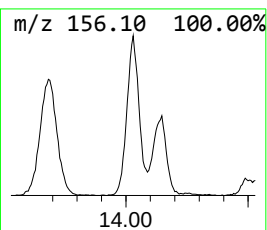
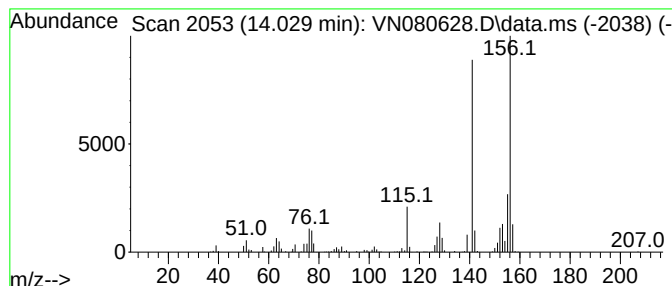
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122723W.M  
Quant Title : SW846 8260

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

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Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 1

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 14.029 | 32.75 ug/l | 1414720 | 1,4-Dichlorobenzene-d4 | 13.794 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 98   |
| 2    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 98   |
| 3    |    |   | Naphthalene, 1,2-dimethyl- | 156 | C12H12  | 000573-98-8 | 97   |
| 4    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 5    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |



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Instrument :  
MSVOA\_N  
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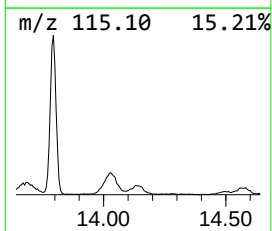
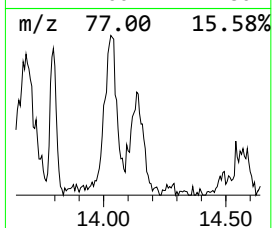
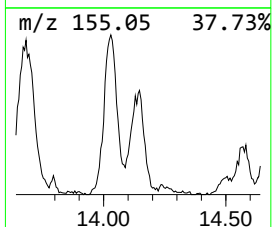
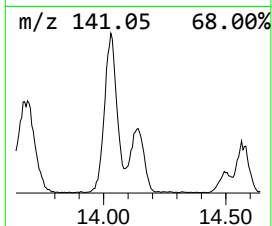
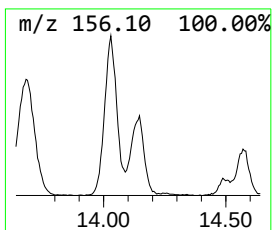
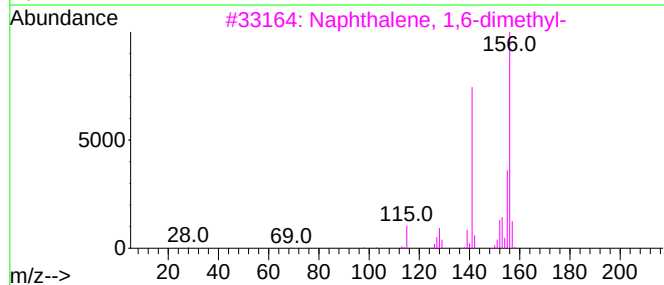
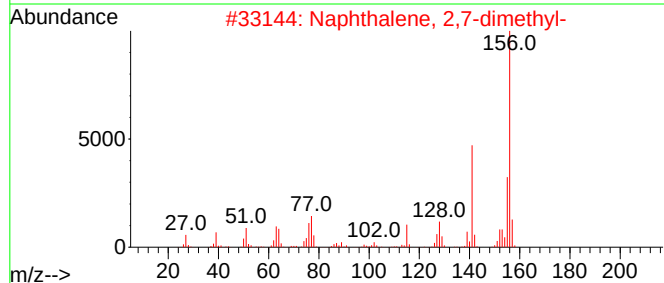
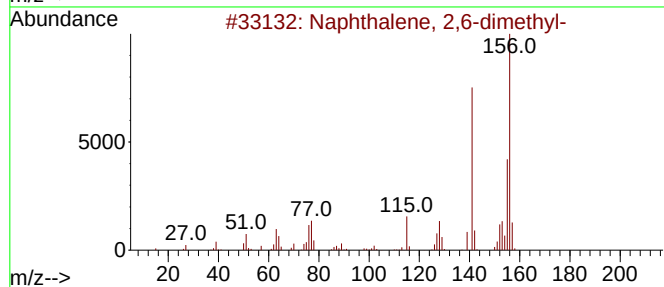
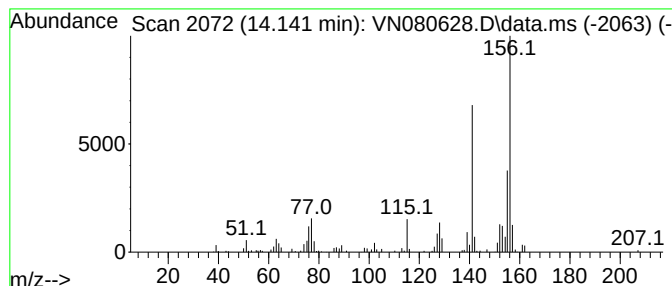
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122723W.M  
Quant Title : SW846 8260

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

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Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.141 | 15.73 ug/l | 679388 | 1,4-Dichlorobenzene-d4 | 13.794 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 98   |
| 2    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 3    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 95   |
| 4    |    |   | Naphthalene, 1,8-dimethyl- | 156 | C12H12  | 000569-41-5 | 95   |
| 5    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 95   |



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Instrument :  
MSVOA\_N  
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T-703

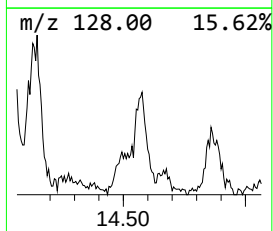
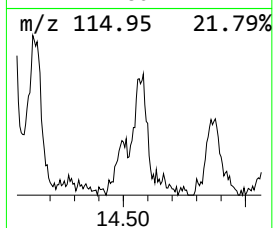
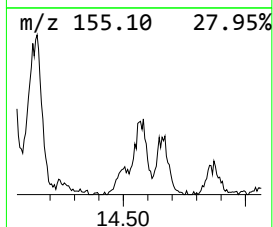
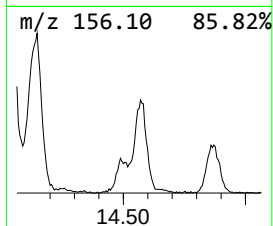
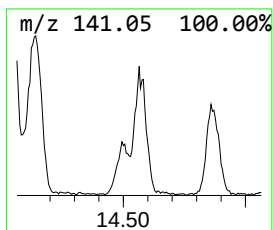
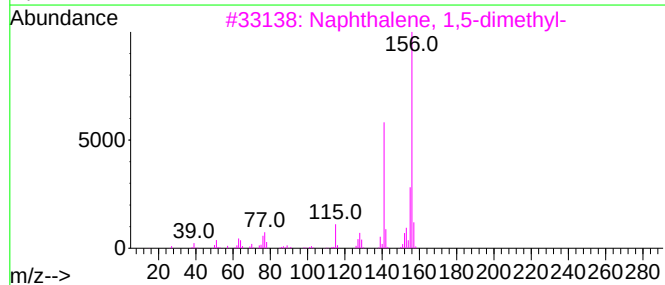
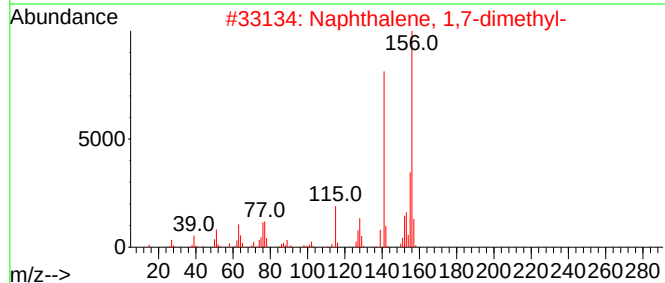
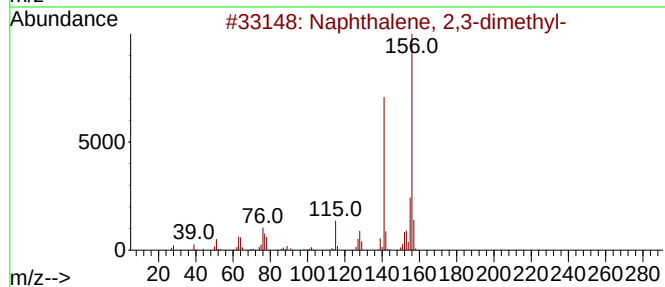
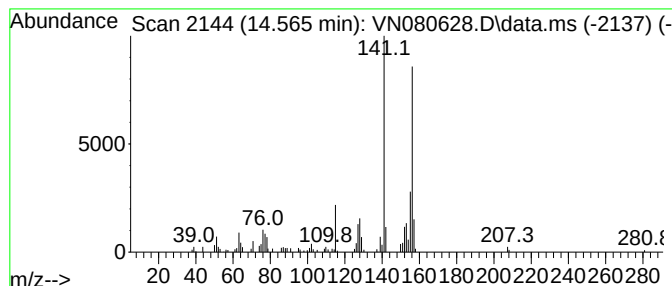
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Quant Title : SW846 8260

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

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Peak Number 6 Naphthalene, 1,7-dimethyl- Concentration Rank 7

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.565 | 9.23 ug/l | 398811 | 1,4-Dichlorobenzene-d4 | 13.794 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 2    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 97   |
| 3    |    |   | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 96   |
| 4    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 96   |
| 5    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010224\  
Data File : VN080628.D  
Acq On : 02 Jan 2024 16:30  
Operator : JC\MD  
Sample : 06038-09  
Misc : 5.05g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
T-703

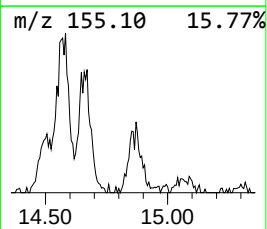
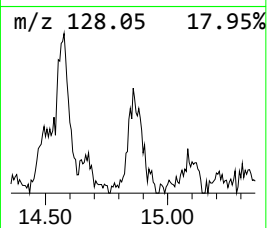
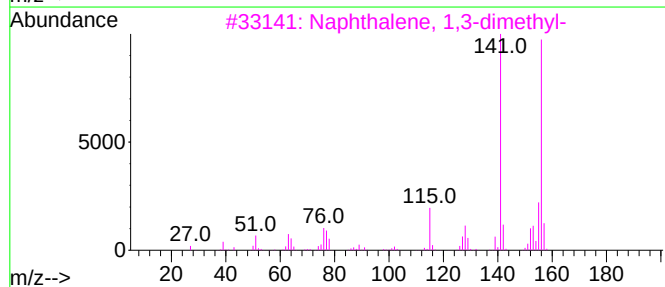
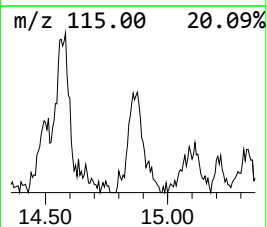
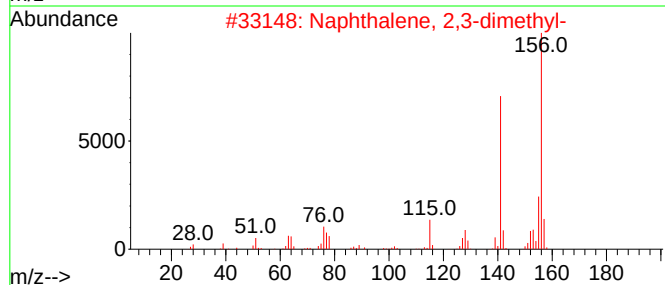
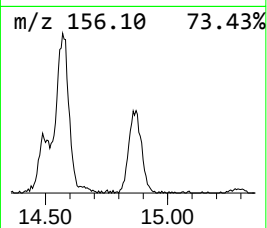
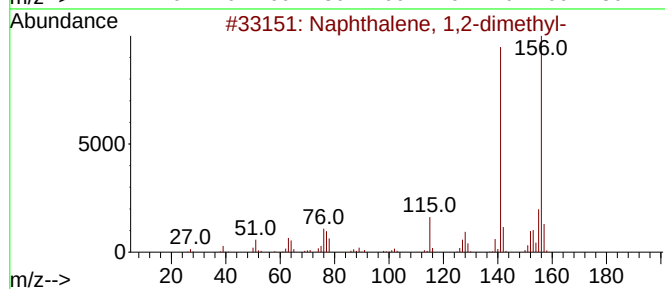
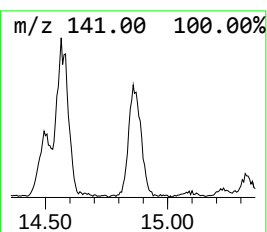
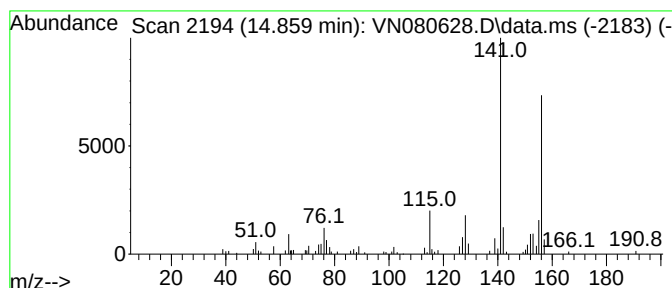
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122723W.M  
Quant Title : SW846 8260

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

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Peak Number 7 Naphthalene, 1,2-dimethyl- Concentration Rank 8

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.859 | 6.72 ug/l | 290319 | 1,4-Dichlorobenzene-d4 | 13.794 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,2-dimethyl- | 156 | C12H12  | 000573-98-8 | 96   |
| 2    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 95   |
| 3    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 95   |
| 4    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 95   |
| 5    |    |   | Naphthalene, 1-ethyl-      | 156 | C12H12  | 001127-76-0 | 94   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010224\  
Data File : VN080628.D  
Acq On : 02 Jan 2024 16:30  
Operator : JC\MD  
Sample : 06038-09  
Misc : 5.05g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
T-703

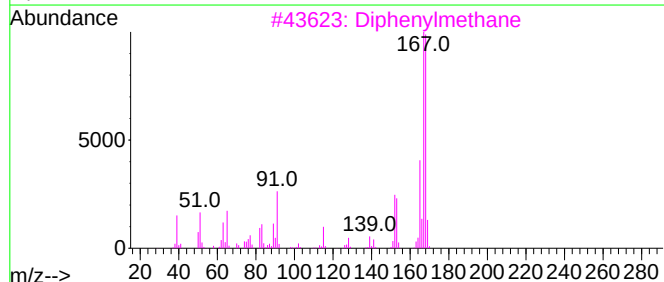
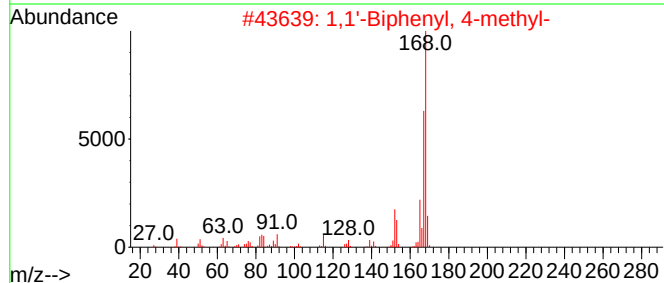
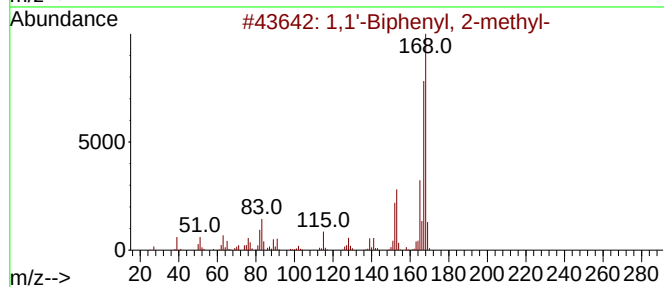
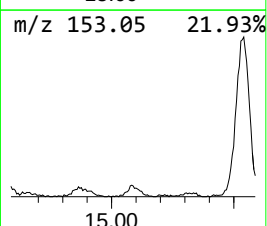
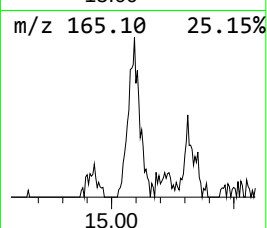
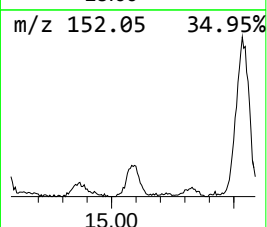
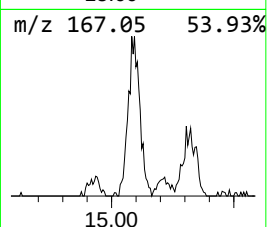
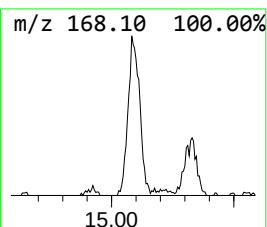
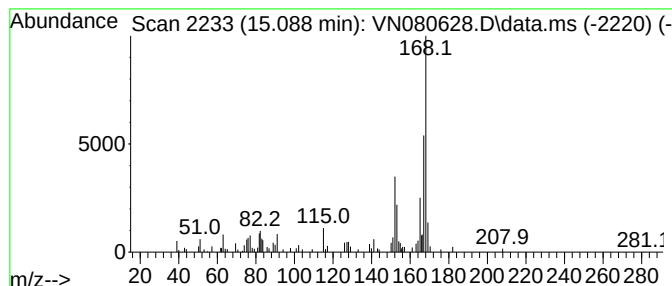
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122723W.M  
Quant Title : SW846 8260

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

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Peak Number 8 1,1'-Biphenyl, 2-methyl- Concentration Rank 9

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.088 | 5.21 ug/l | 225000 | 1,4-Dichlorobenzene-d4 | 13.794 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | 1,1'-Biphenyl, 2-methyl- | 168 | C13H12  | 000643-58-3 | 93   |
| 2    |    |   | 1,1'-Biphenyl, 4-methyl- | 168 | C13H12  | 000644-08-6 | 91   |
| 3    |    |   | Diphenylmethane          | 168 | C13H12  | 000101-81-5 | 86   |
| 4    |    |   | 1,1'-Biphenyl, 3-methyl- | 168 | C13H12  | 000643-93-6 | 83   |
| 5    |    |   | 1,1-Diphenyl-2-propanol  | 212 | C15H16O | 029338-49-6 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010224\  
Data File : VN080628.D  
Acq On : 02 Jan 2024 16:30  
Operator : JC\MD  
Sample : 06038-09  
Misc : 5.05g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
T-703

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122723W.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 |
| Naphthalene, 1-... | 13.341 | 26.5    | ug/l  | 1146640  | 4                     | 13.794 | 2160130 | 50.0 |
| Naphthalene, 2,... | 13.688 | 30.8    | ug/l  | 1332550  | 4                     | 13.794 | 2160130 | 50.0 |
| Naphthalene, 2,... | 14.029 | 32.8    | ug/l  | 1414720  | 4                     | 13.794 | 2160130 | 50.0 |
| Naphthalene, 2,... | 14.141 | 15.7    | ug/l  | 679388   | 4                     | 13.794 | 2160130 | 50.0 |
| Naphthalene, 1,... | 14.565 | 9.2     | ug/l  | 398811   | 4                     | 13.794 | 2160130 | 50.0 |
| Naphthalene, 1,... | 14.859 | 6.7     | ug/l  | 290319   | 4                     | 13.794 | 2160130 | 50.0 |
| 1,1'-Biphenyl, ... | 15.088 | 5.2     | ug/l  | 225000   | 4                     | 13.794 | 2160130 | 50.0 |