

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091924\  
 Data File : VY019632.D  
 Acq On : 19 Sep 2024 14:24  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 4.99g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

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\82Y090924S.M

Title : SW846 8260

Signal : TIC: VY019632.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         | 4.616       | 464           | 475         | 487          | rBV2     | 19162          | 65091         | 3.35%           | 0.471%        |
| 2         | 5.640       | 635           | 643         | 653          | rVB3     | 6251           | 20636         | 1.06%           | 0.149%        |
| 3         | 6.878       | 834           | 846         | 861          | rBV2     | 72813          | 248045        | 12.77%          | 1.796%        |
| 4         | 7.628       | 959           | 969         | 975          | rBV      | 263428         | 632540        | 32.55%          | 4.581%        |
| 5         | 7.701       | 975           | 981         | 992          | rVB      | 428926         | 1003989       | 51.67%          | 7.271%        |
| 6         | 8.055       | 1025          | 1039        | 1052         | rBV2     | 260809         | 698920        | 35.97%          | 5.062%        |
| 7         | 8.609       | 1122          | 1130        | 1142         | rBV      | 709617         | 1430002       | 73.60%          | 10.356%       |
| 8         | 10.103      | 1368          | 1375        | 1386         | rBV      | 1107212        | 1943009       | 100.00%         | 14.071%       |
| 9         | 10.512      | 1435          | 1442        | 1452         | rVB      | 124574         | 240039        | 12.35%          | 1.738%        |
| 10        | 10.877      | 1497          | 1502        | 1509         | rBV2     | 51129          | 92943         | 4.78%           | 0.673%        |
| 11        | 11.249      | 1559          | 1563        | 1568         | rBV4     | 34047          | 70631         | 3.64%           | 0.512%        |
| 12        | 11.414      | 1584          | 1590        | 1600         | rVB      | 1069402        | 1733826       | 89.23%          | 12.556%       |
| 13        | 12.408      | 1747          | 1753        | 1762         | rVB2     | 802058         | 1342391       | 69.09%          | 9.722%        |
| 14        | 12.609      | 1774          | 1786        | 1802         | rBV4     | 199562         | 1061142       | 54.61%          | 7.685%        |
| 15        | 13.346      | 1896          | 1907        | 1912         | rBV      | 920667         | 1565081       | 80.55%          | 11.334%       |
| 16        | 13.883      | 1992          | 1995        | 2002         | rVB3     | 50686          | 94932         | 4.89%           | 0.687%        |
| 17        | 14.675      | 2117          | 2125        | 2135         | rBV2     | 99835          | 374723        | 19.29%          | 2.714%        |
| 18        | 14.858      | 2150          | 2155        | 2162         | rVB3     | 51594          | 101549        | 5.23%           | 0.735%        |
| 19        | 15.078      | 2187          | 2191        | 2204         | rVB3     | 97250          | 328382        | 16.90%          | 2.378%        |
| 20        | 15.218      | 2206          | 2214        | 2221         | rVV3     | 84111          | 245762        | 12.65%          | 1.780%        |
| 21        | 15.517      | 2257          | 2263        | 2278         | rVB5     | 75413          | 302050        | 15.55%          | 2.187%        |
| 22        | 15.895      | 2320          | 2325        | 2329         | rBV8     | 12189          | 30170         | 1.55%           | 0.218%        |
| 23        | 15.992      | 2335          | 2341        | 2356         | rVB9     | 31244          | 116887        | 6.02%           | 0.846%        |
| 24        | 16.364      | 2398          | 2402        | 2414         | rVB9     | 20800          | 65623         | 3.38%           | 0.475%        |

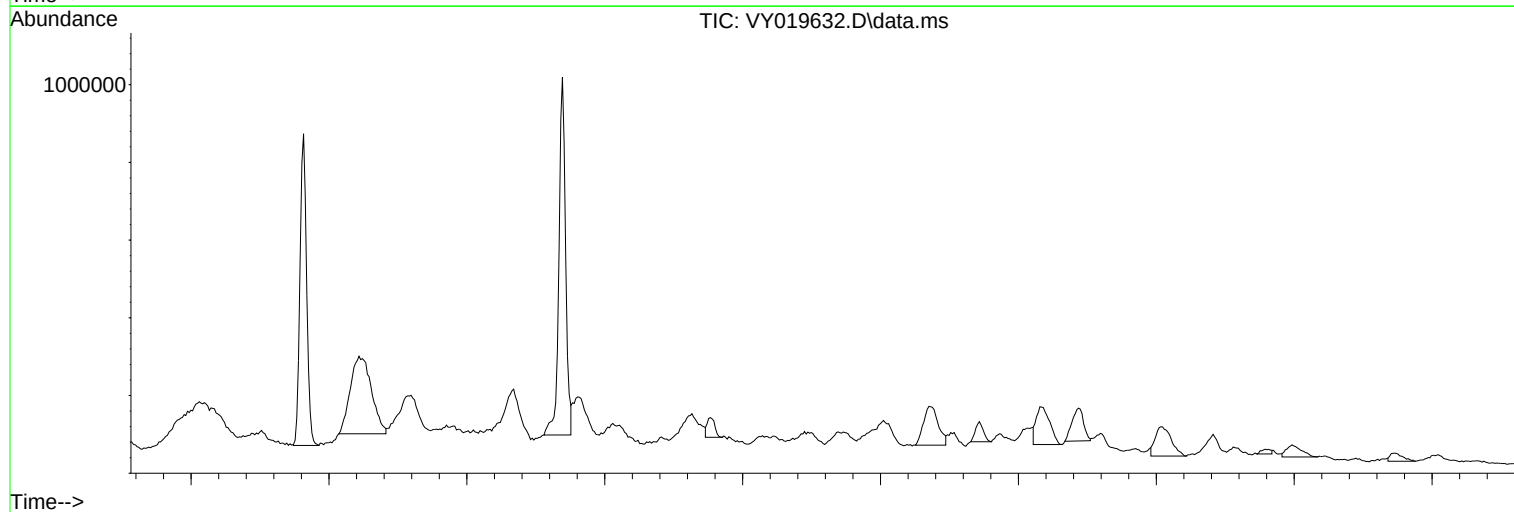
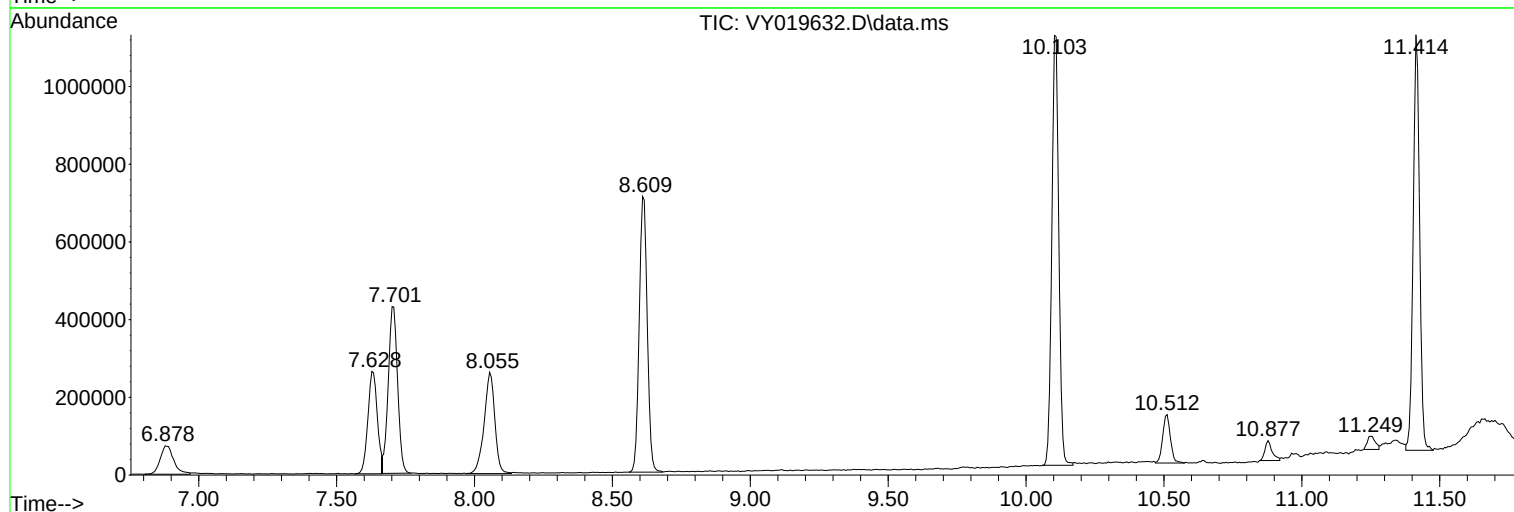
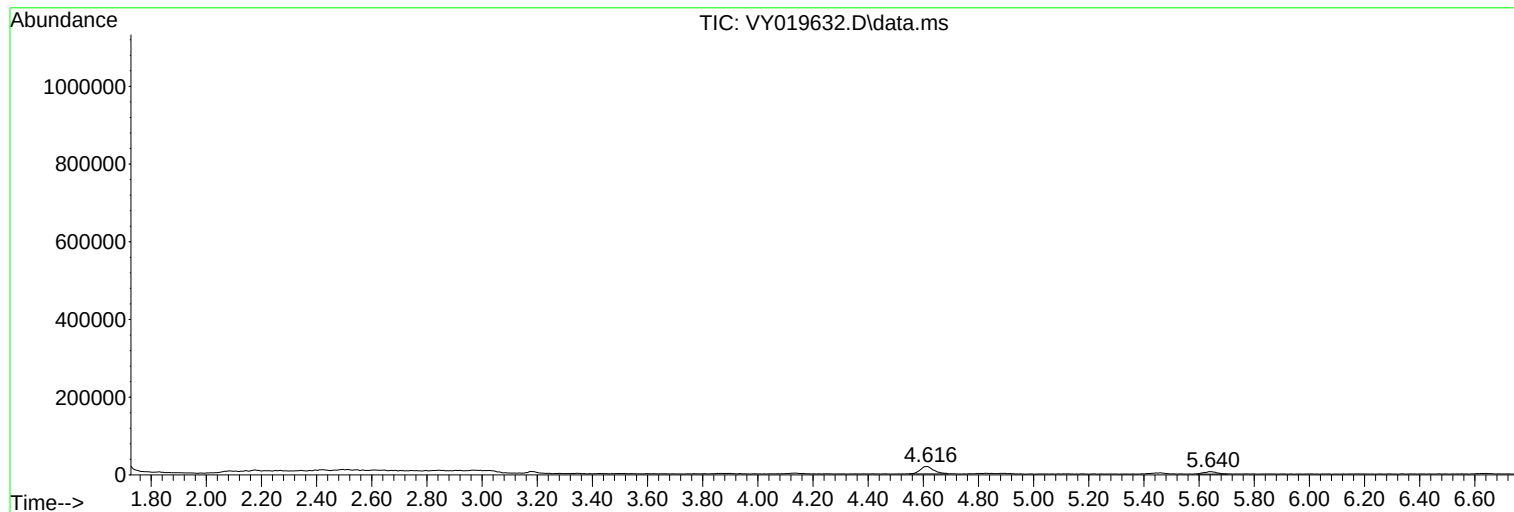
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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
Quant Title : SW846 8260

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



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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
Quant Title : SW846 8260

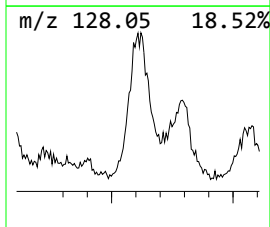
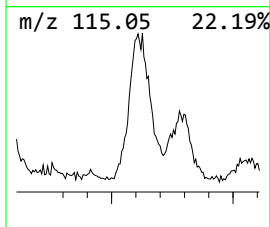
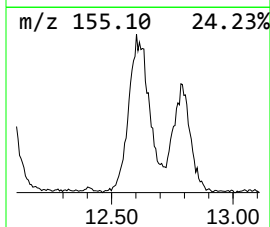
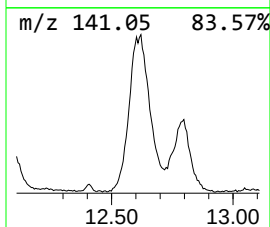
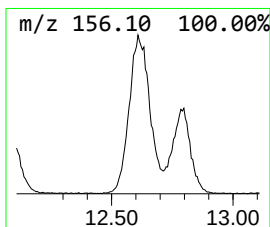
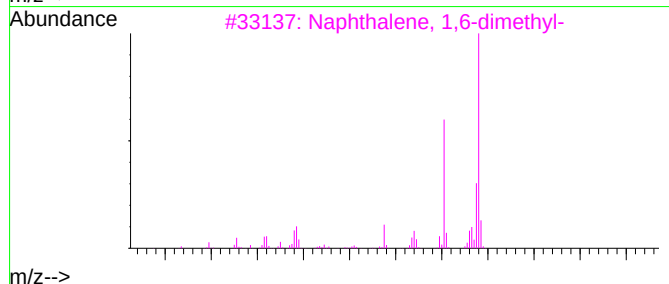
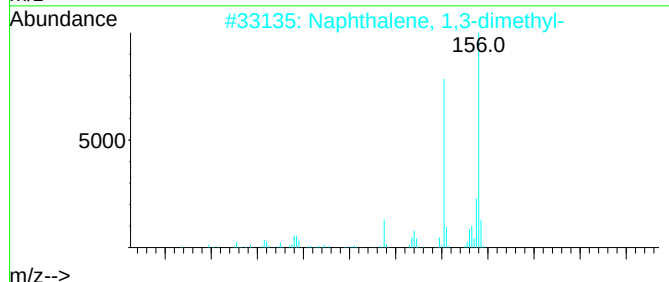
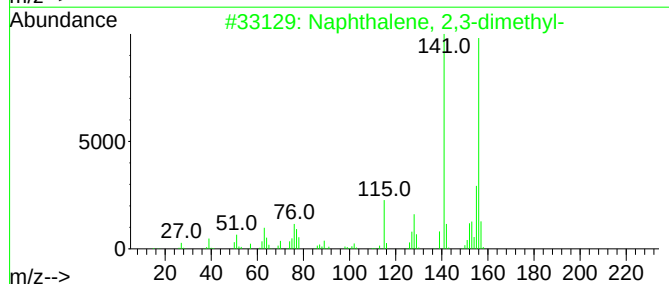
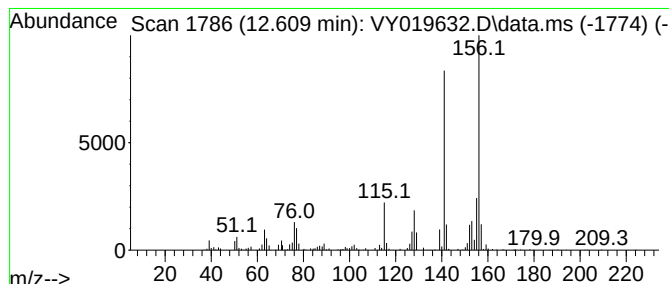
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

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

| R.T.      | EstConc                    | Area    | Relative to ISTD       |         |             | R.T.   |
|-----------|----------------------------|---------|------------------------|---------|-------------|--------|
| 12.609    | 33.90 ug/l                 | 1061140 | 1,4-Dichlorobenzene-d4 |         |             | 13.346 |
| 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 | 97     |
| 3         | Naphthalene, 1,6-dimethyl- |         | 156                    | C12H12  | 000575-43-9 | 96     |
| 4         | Naphthalene, 1,4-dimethyl- |         | 156                    | C12H12  | 000571-58-4 | 96     |
| 5         | Naphthalene, 1,8-dimethyl- |         | 156                    | C12H12  | 000569-41-5 | 95     |



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Sample : VIBLK  
Misc : 4.99g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
Quant Title : SW846 8260

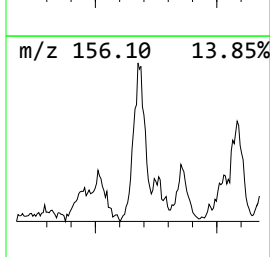
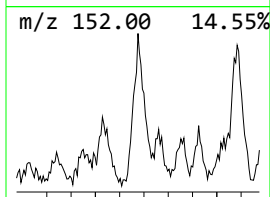
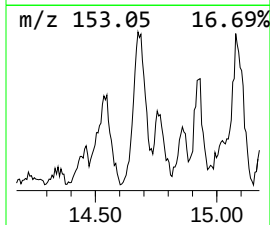
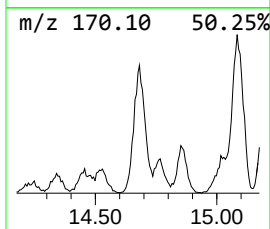
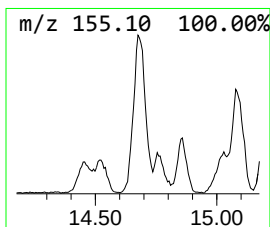
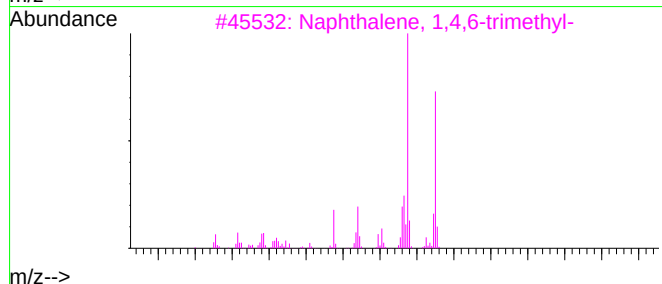
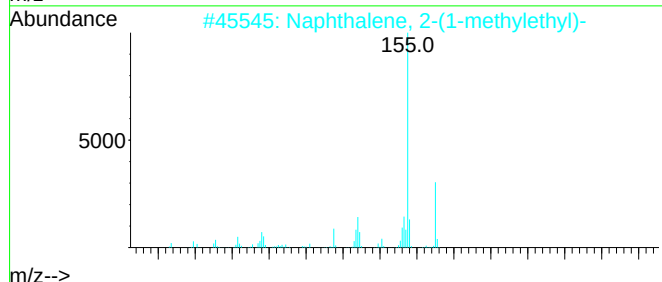
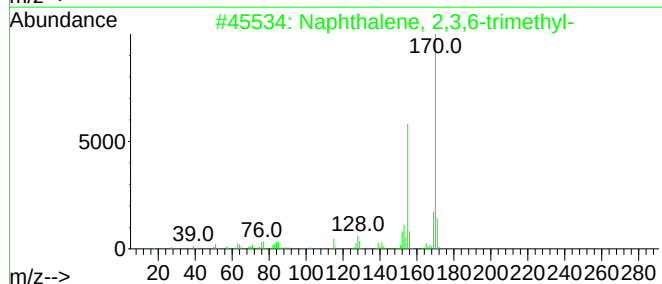
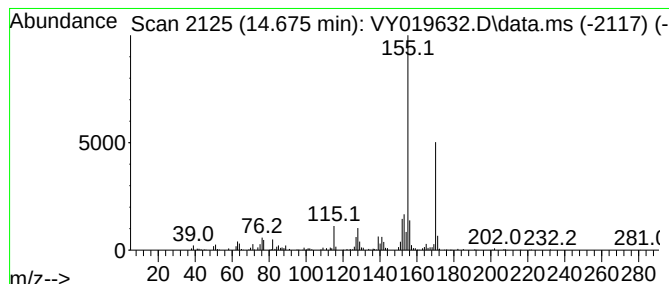
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

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Peak Number 4 Naphthalene, 2,3,6-trimethyl- Concentration Rank 3

| R.T.      | EstConc                             | Area   | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|--------|------------------------|-------------|------|
| 14.675    | 11.97 ug/l                          | 374723 | 1,4-Dichlorobenzene-d4 | 13.346      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm                | CAS#        | Qual |
| 1         | Naphthalene, 2,3,6-trimethyl-       | 170    | C13H14                 | 000829-26-5 | 94   |
| 2         | Naphthalene, 2-(1-methylethyl)-     | 170    | C13H14                 | 002027-17-0 | 94   |
| 3         | Naphthalene, 1,4,6-trimethyl-       | 170    | C13H14                 | 002131-42-2 | 93   |
| 4         | Naphthalene, 1,6,7-trimethyl-       | 170    | C13H14                 | 002245-38-7 | 86   |
| 5         | 4a,8a-Methanonaphthalene, 9,9-di... | 170    | C13H14                 | 038963-97-2 | 86   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091924\  
Data File : VY019632.D  
Acq On : 19 Sep 2024 14:24  
Operator : SY/MD  
Sample : VIBLK  
Misc : 4.99g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

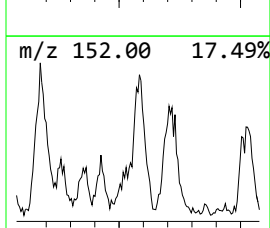
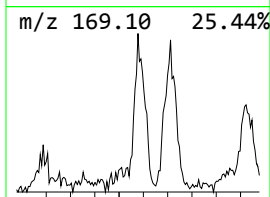
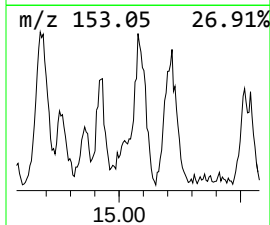
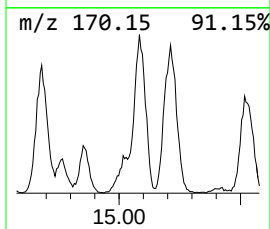
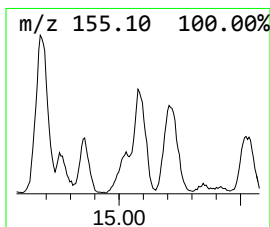
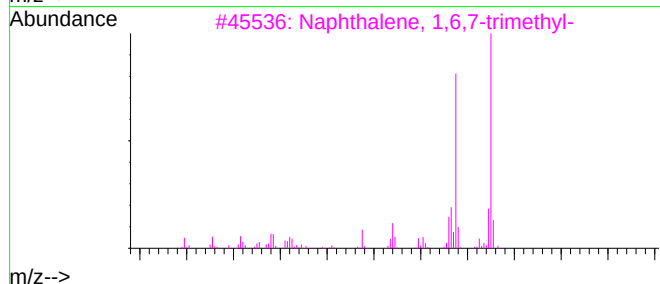
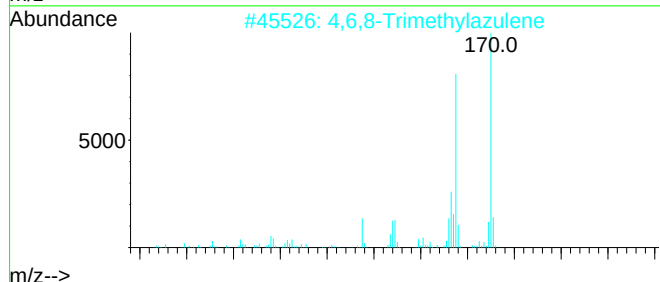
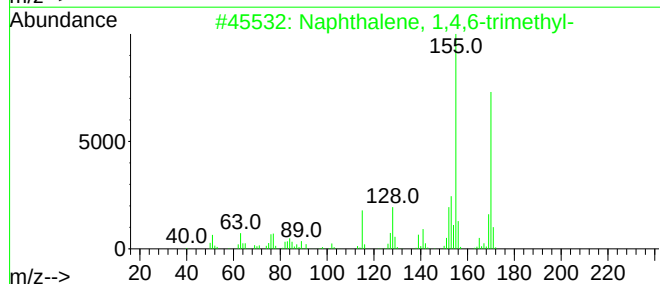
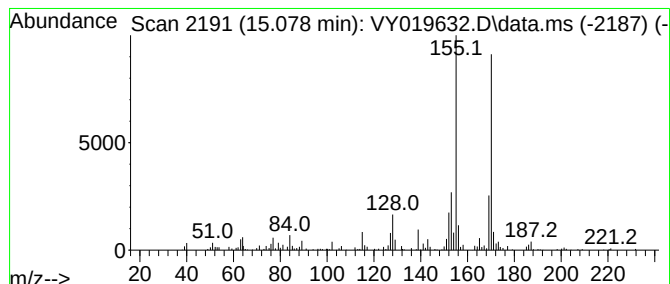
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Peak Number 5 Naphthalene, 1,4,6-trimethyl- Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.078 | 10.49 ug/l | 328382 | 1,4-Dichlorobenzene-d4 | 13.346 |

| Hit# of 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|-----------|-------------------------------------|-----|---------|--------------|------|
| 1         | Naphthalene, 1,4,6-trimethyl-       | 170 | C13H14  | 002131-42-2  | 91   |
| 2         | 4,6,8-Trimethylazulene              | 170 | C13H14  | 000941-81-1  | 87   |
| 3         | Naphthalene, 1,6,7-trimethyl-       | 170 | C13H14  | 002245-38-7  | 87   |
| 4         | Naphthalene, 2,3,6-trimethyl-       | 170 | C13H14  | 000829-26-5  | 87   |
| 5         | 1-(2,2-Dimethylcyclopropyl)-2-ph... | 170 | C13H14  | 1000294-91-1 | 87   |



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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
Quant Title : SW846 8260

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

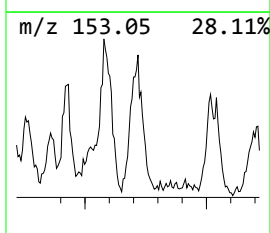
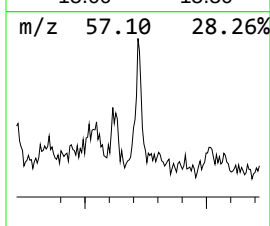
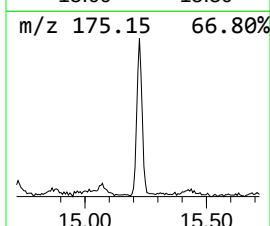
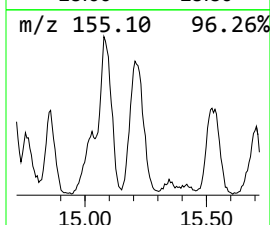
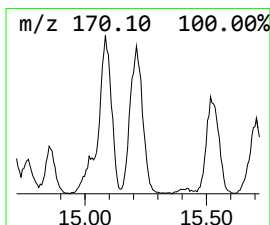
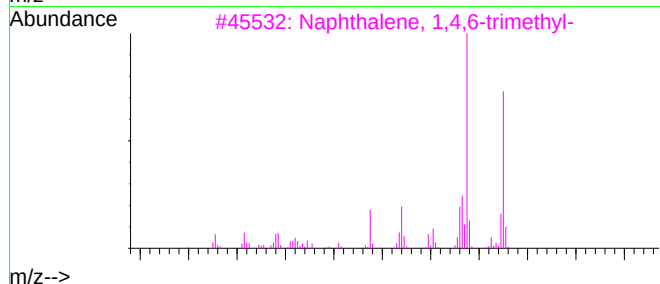
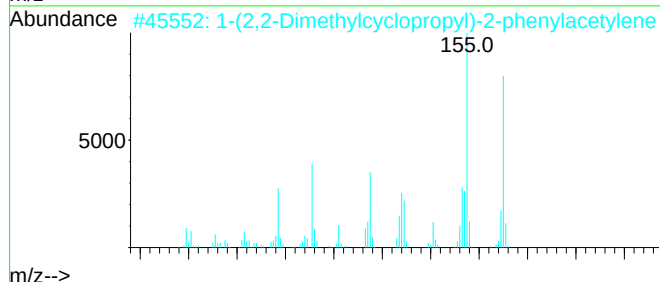
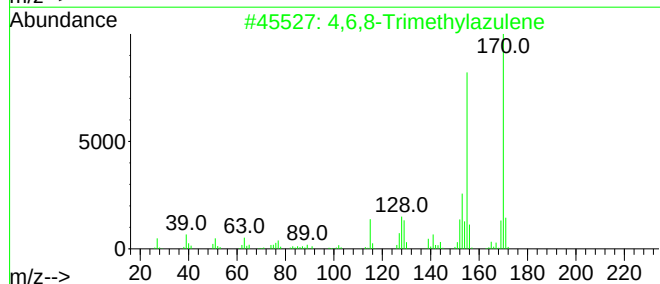
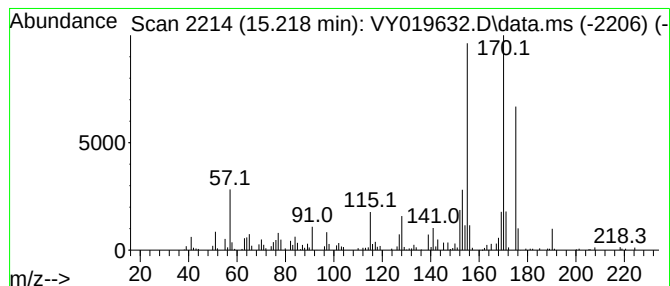
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Peak Number 6 4,6,8-Trimethylazulene Concentration Rank 6

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.218 | 7.85 ug/l | 245762 | 1,4-Dichlorobenzene-d4 | 13.346 |

| Hit# of 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|-----------|-------------------------------------|-----|---------|--------------|------|
| 1         | 4,6,8-Trimethylazulene              | 170 | C13H14  | 000941-81-1  | 93   |
| 2         | 1-(2,2-Dimethylcyclopropyl)-2-ph... | 170 | C13H14  | 1000294-91-1 | 89   |
| 3         | Naphthalene, 1,4,6-trimethyl-       | 170 | C13H14  | 002131-42-2  | 89   |
| 4         | Naphthalene, 1,6,7-trimethyl-       | 170 | C13H14  | 002245-38-7  | 89   |
| 5         | Naphthalene, 2,3,6-trimethyl-       | 170 | C13H14  | 000829-26-5  | 89   |



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Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
Quant Title : SW846 8260

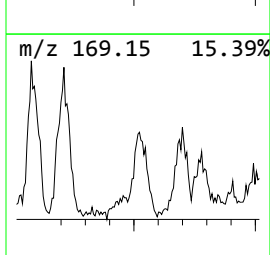
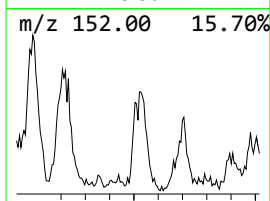
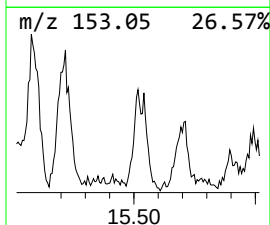
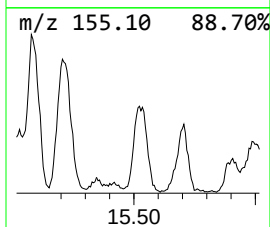
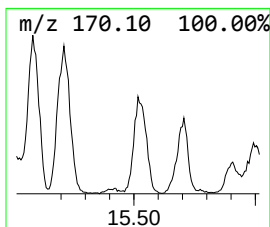
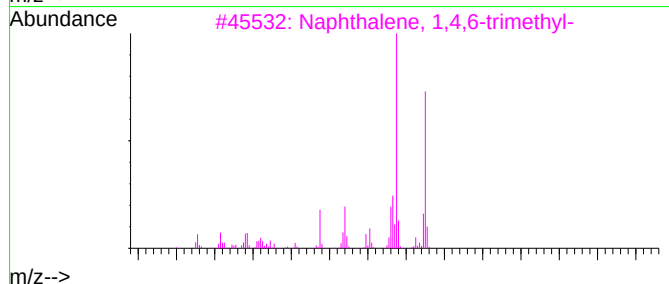
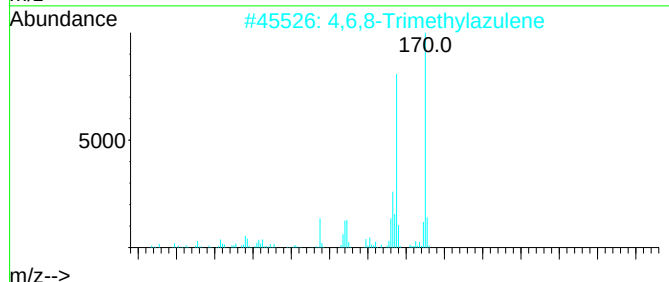
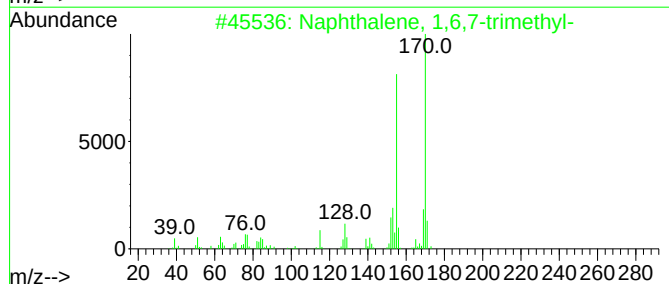
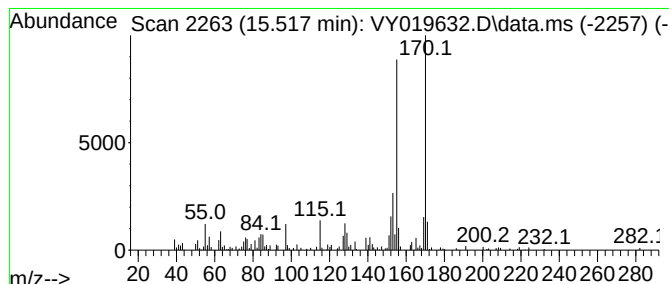
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

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Peak Number 7 Naphthalene, 1,6,7-trimethyl- Concentration Rank 5

| R.T.      | EstConc                       | Area   | Relative to ISTD       |         | R.T.        |      |
|-----------|-------------------------------|--------|------------------------|---------|-------------|------|
| 15.517    | 9.65 ug/l                     | 302050 | 1,4-Dichlorobenzene-d4 |         | 13.346      |      |
| Hit# of 5 | Tentative ID                  |        | MW                     | MolForm | CAS#        | Qual |
| 1         | Naphthalene, 1,6,7-trimethyl- |        | 170                    | C13H14  | 002245-38-7 | 96   |
| 2         | 4,6,8-Trimethylazulene        |        | 170                    | C13H14  | 000941-81-1 | 95   |
| 3         | Naphthalene, 1,4,6-trimethyl- |        | 170                    | C13H14  | 002131-42-2 | 93   |
| 4         | Naphthalene, 1,4,5-trimethyl- |        | 170                    | C13H14  | 002131-41-1 | 93   |
| 5         | Naphthalene, 2,3,6-trimethyl- |        | 170                    | C13H14  | 000829-26-5 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091924\  
Data File : VY019632.D  
Acq On : 19 Sep 2024 14:24  
Operator : SY/MD  
Sample : VIBLK  
Misc : 4.99g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.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, 2,... | 12.609 | 33.9    | ug/l  | 1061140  | 4                     | 13.346 | 1565080 | 50.0 |
| Naphthalene, 2,... | 14.675 | 12.0    | ug/l  | 374723   | 4                     | 13.346 | 1565080 | 50.0 |
| Naphthalene, 1,... | 15.078 | 10.5    | ug/l  | 328382   | 4                     | 13.346 | 1565080 | 50.0 |
| 4,6,8-Trimethyl... | 15.218 | 7.8     | ug/l  | 245762   | 4                     | 13.346 | 1565080 | 50.0 |
| Naphthalene, 1,... | 15.517 | 9.7     | ug/l  | 302050   | 4                     | 13.346 | 1565080 | 50.0 |