

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071624\  
 Data File : VY018837.D  
 Acq On : 16 Jul 2024 17:25  
 Operator : SY/MD  
 Sample : P3224-09RE  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 400STEVEN-2RE

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\82Y070924S.M

Title : SW846 8260

Signal : TIC: VY018837.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         | 4.692       | 461           | 471         | 484          | rBV3     | 13723          | 42448         | 1.44%           | 0.324%        |
| 2         | 7.703       | 955           | 965         | 971          | rBV      | 174505         | 411933        | 14.01%          | 3.148%        |
| 3         | 7.777       | 971           | 977         | 991          | rVB      | 288664         | 639332        | 21.74%          | 4.885%        |
| 4         | 8.130       | 1027          | 1035        | 1048         | rBV      | 152400         | 332561        | 11.31%          | 2.541%        |
| 5         | 8.679       | 1115          | 1125        | 1138         | rBV      | 438466         | 859441        | 29.22%          | 6.567%        |
| 6         | 10.172      | 1362          | 1370        | 1376         | rBV      | 680411         | 1145334       | 38.95%          | 8.752%        |
| 7         | 10.240      | 1376          | 1381        | 1388         | rVB      | 63535          | 110420        | 3.75%           | 0.844%        |
| 8         | 10.361      | 1393          | 1401        | 1409         | rVB      | 19162          | 32958         | 1.12%           | 0.252%        |
| 9         | 11.276      | 1543          | 1551        | 1559         | rVB4     | 14758          | 30004         | 1.02%           | 0.229%        |
| 10        | 11.483      | 1577          | 1585        | 1595         | rBV      | 635375         | 1046249       | 35.58%          | 7.995%        |
| 11        | 11.587      | 1596          | 1602        | 1610         | rBV      | 97218          | 160179        | 5.45%           | 1.224%        |
| 12        | 11.697      | 1610          | 1620        | 1629         | rBV      | 483200         | 914956        | 31.11%          | 6.991%        |
| 13        | 12.026      | 1663          | 1674        | 1679         | rBV      | 285958         | 482202        | 16.40%          | 3.685%        |
| 14        | 12.068      | 1679          | 1681        | 1686         | rVB      | 35731          | 48394         | 1.65%           | 0.370%        |
| 15        | 12.477      | 1742          | 1748        | 1754         | rBV      | 488247         | 757110        | 25.74%          | 5.785%        |
| 16        | 12.574      | 1760          | 1764        | 1772         | rVB2     | 35148          | 55280         | 1.88%           | 0.422%        |
| 17        | 12.666      | 1773          | 1779        | 1784         | rVB      | 28838          | 45109         | 1.53%           | 0.345%        |
| 18        | 12.733      | 1784          | 1790        | 1793         | rBV      | 108641         | 170338        | 5.79%           | 1.302%        |
| 19        | 12.763      | 1793          | 1795        | 1798         | rVV      | 43641          | 57659         | 1.96%           | 0.441%        |
| 20        | 12.806      | 1798          | 1802        | 1808         | rVB2     | 148993         | 229094        | 7.79%           | 1.751%        |
| 21        | 12.971      | 1822          | 1829        | 1836         | rBV3     | 46731          | 85536         | 2.91%           | 0.654%        |
| 22        | 13.117      | 1846          | 1853        | 1859         | rBV      | 224943         | 340489        | 11.58%          | 2.602%        |
| 23        | 13.422      | 1896          | 1903        | 1913         | rVB2     | 578576         | 1082331       | 36.80%          | 8.270%        |
| 24        | 13.526      | 1913          | 1920        | 1926         | rVB3     | 17729          | 34030         | 1.16%           | 0.260%        |
| 25        | 13.623      | 1926          | 1936        | 1939         | rBV2     | 34821          | 62761         | 2.13%           | 0.480%        |
| 26        | 13.666      | 1939          | 1943        | 1951         | rVB4     | 24347          | 45430         | 1.54%           | 0.347%        |
| 27        | 13.751      | 1951          | 1957        | 1961         | rBV3     | 29004          | 43679         | 1.49%           | 0.334%        |
| 28        | 13.806      | 1961          | 1966        | 1972         | rVV2     | 100835         | 155696        | 5.29%           | 1.190%        |
| 29        | 13.873      | 1972          | 1977        | 1981         | rVV2     | 37987          | 66530         | 2.26%           | 0.508%        |
| 30        | 13.971      | 1989          | 1993        | 1998         | rVB3     | 19548          | 30602         | 1.04%           | 0.234%        |
| 31        | 14.245      | 2027          | 2038        | 2043         | rBV6     | 23780          | 77565         | 2.64%           | 0.593%        |
| 32        | 14.672      | 2102          | 2108        | 2114         | rBV3     | 26187          | 56985         | 1.94%           | 0.435%        |
| 33        | 15.233      | 2191          | 2200        | 2211         | rBV      | 1806916        | 2940848       | 100.00%         | 22.472%       |
| 34        | 15.330      | 2211          | 2216        | 2223         | rVV      | 29368          | 58188         | 1.98%           | 0.445%        |
| 35        | 15.434      | 2224          | 2233        | 2241         | rVB3     | 14394          | 37579         | 1.28%           | 0.287%        |
| 36        | 16.293      | 2365          | 2374        | 2381         | rBV      | 119111         | 239070        | 8.13%           | 1.827%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071624\  
Data File : VY018837.D  
Acq On : 16 Jul 2024 17:25  
Operator : SY/MD  
Sample : P3224-09RE  
Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
400STEVEN-2RE

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\82Y070924S.M  
Title : SW846 8260

|    |        |      |      |      |     |       |        |       |        |
|----|--------|------|------|------|-----|-------|--------|-------|--------|
| 37 | 16.488 | 2398 | 2406 | 2418 | rVB | 76660 | 158507 | 5.39% | 1.211% |
|----|--------|------|------|------|-----|-------|--------|-------|--------|

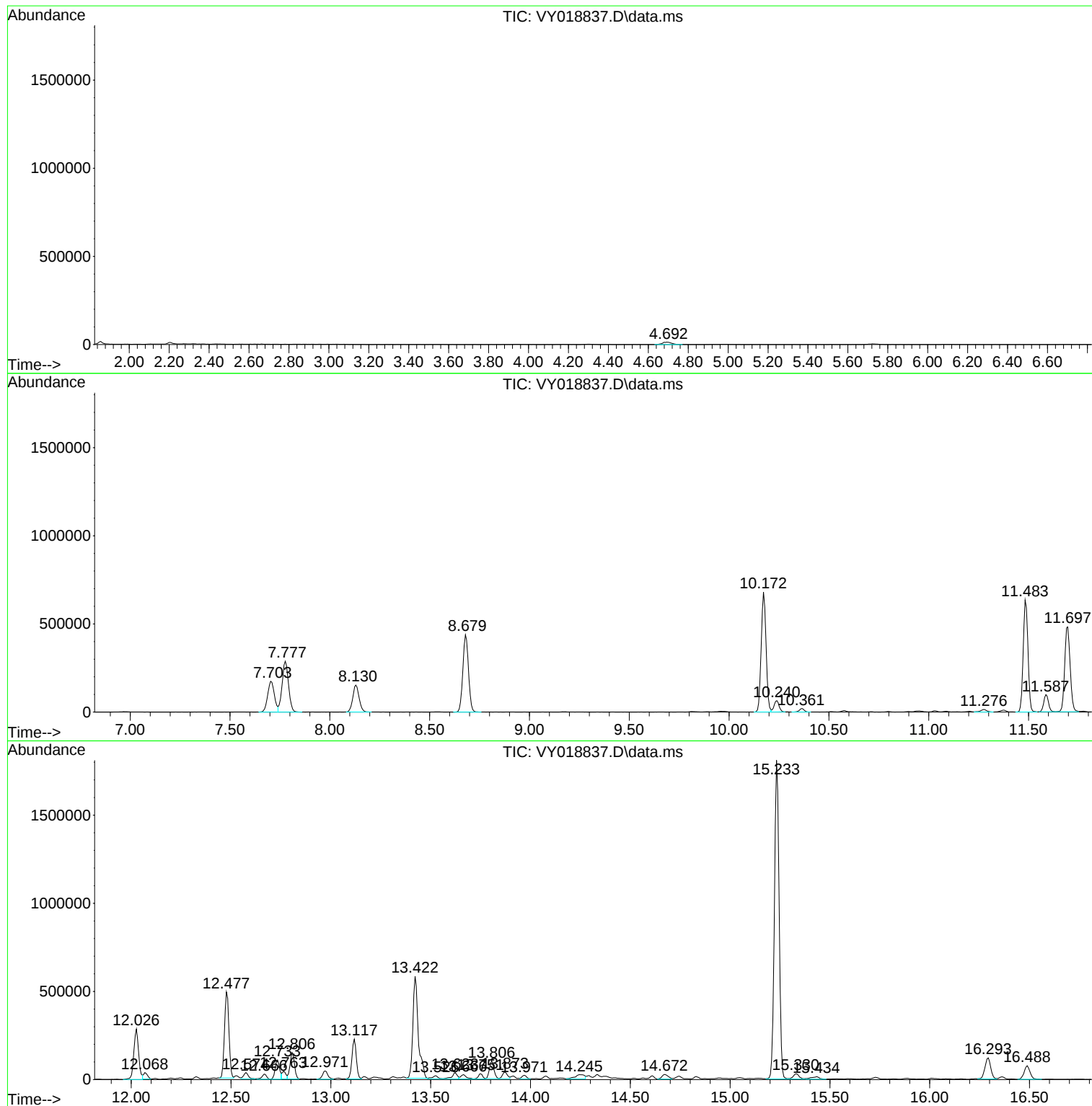
Sum of corrected areas: 13086827

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071624\  
Data File : VY018837.D  
Acq On : 16 Jul 2024 17:25  
Operator : SY/MD  
Sample : P3224-09RE  
Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
400STEVEN-2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070924S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071624\  
Data File : VY018837.D  
Acq On : 16 Jul 2024 17:25  
Operator : SY/MD  
Sample : P3224-09RE  
Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
400STEVEN-2RE

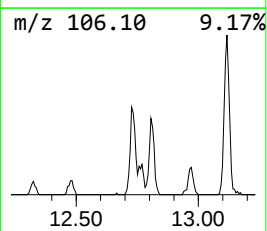
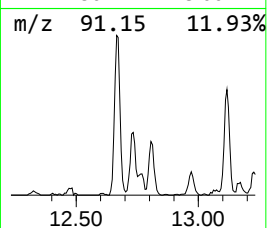
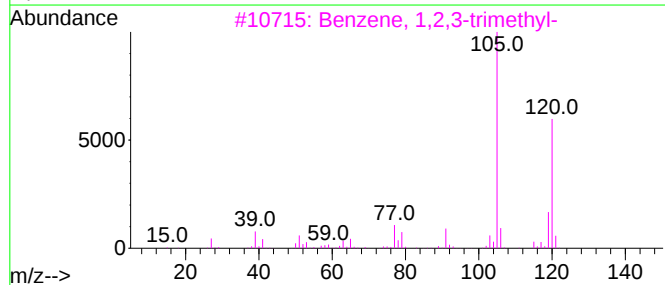
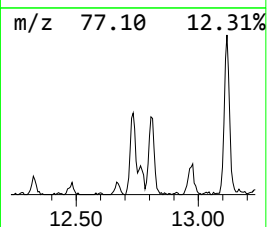
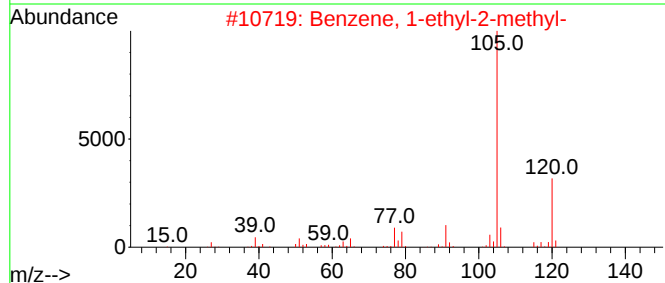
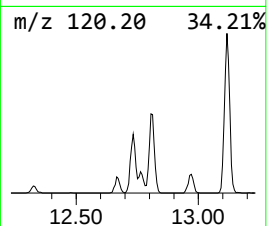
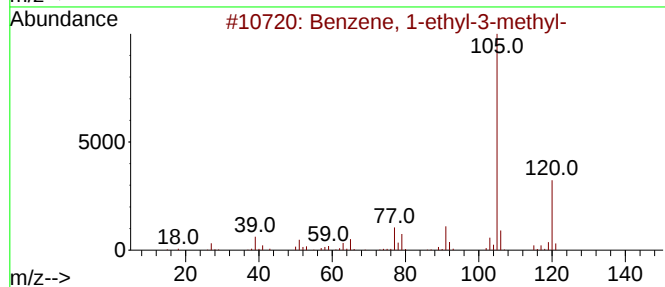
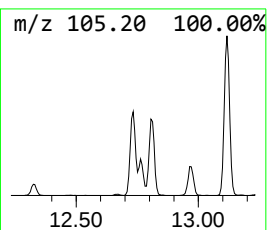
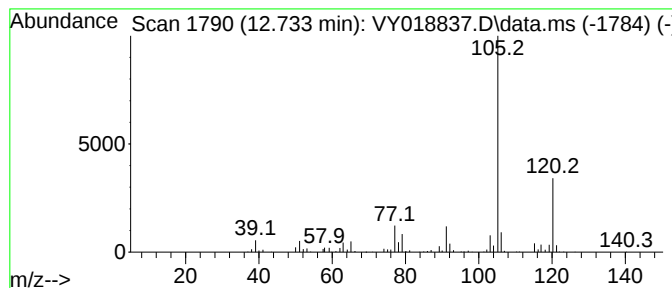
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070924S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 2

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 12.733 | 7.87 ug/l | 170338 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 97   |
| 2    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 3    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 91   |
| 4    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 5    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071624\  
Data File : VY018837.D  
Acq On : 16 Jul 2024 17:25  
Operator : SY/MD  
Sample : P3224-09RE  
Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
400STEVEN-2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070924S.M  
Quant Title : SW846 8260

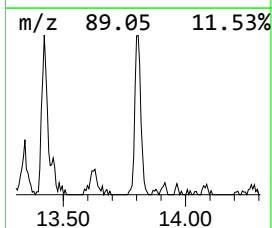
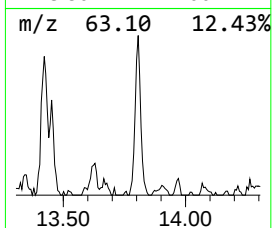
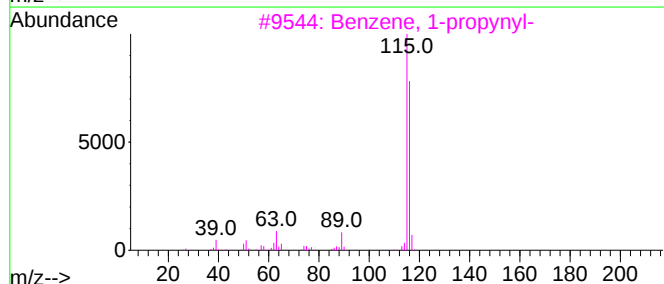
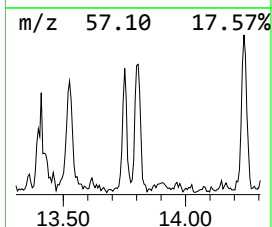
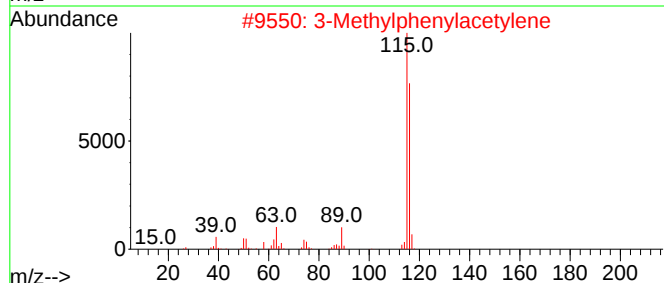
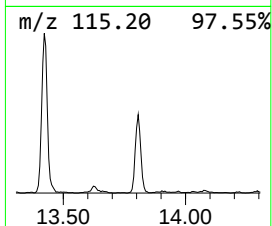
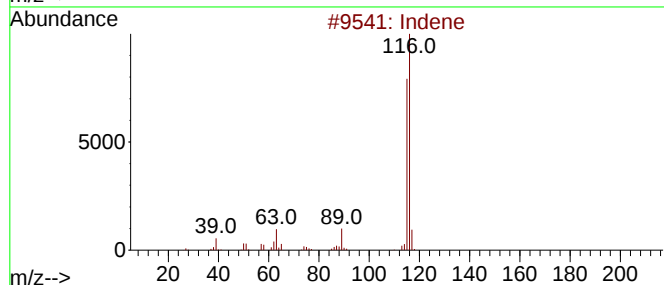
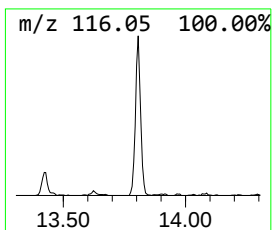
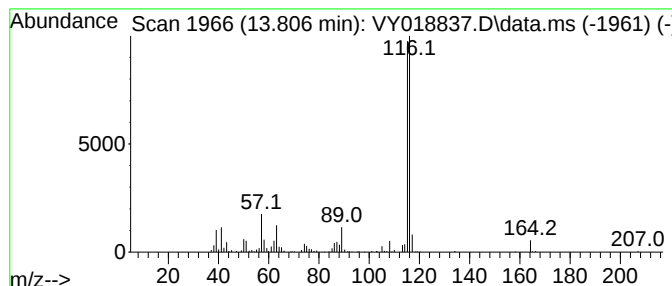
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 2 Indene Concentration Rank 4

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.806 | 7.19 ug/l | 155696 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Indene                       | 116 | C9H8    | 000095-13-6 | 93   |
| 2    |    |   | 3-Methylphenylacetylene      | 116 | C9H8    | 000766-82-5 | 90   |
| 3    |    |   | Benzene, 1-propynyl-         | 116 | C9H8    | 000673-32-5 | 87   |
| 4    |    |   | Benzene, 1-ethynyl-4-methyl- | 116 | C9H8    | 000766-97-2 | 86   |
| 5    |    |   | Benzene, 1,2-propadienyl-    | 116 | C9H8    | 002327-99-3 | 78   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071624\  
Data File : VY018837.D  
Acq On : 16 Jul 2024 17:25  
Operator : SY/MD  
Sample : P3224-09RE  
Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
400STEVEN-2RE

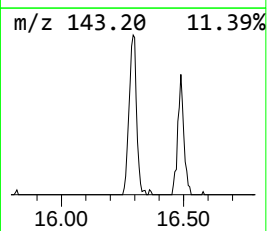
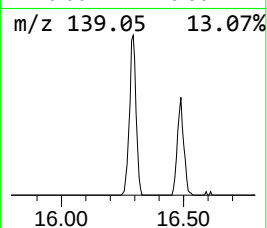
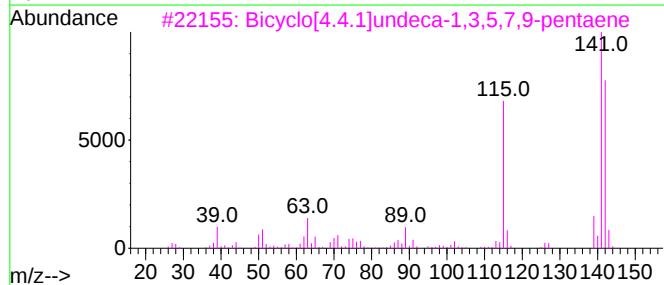
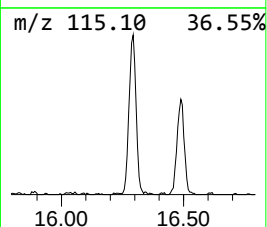
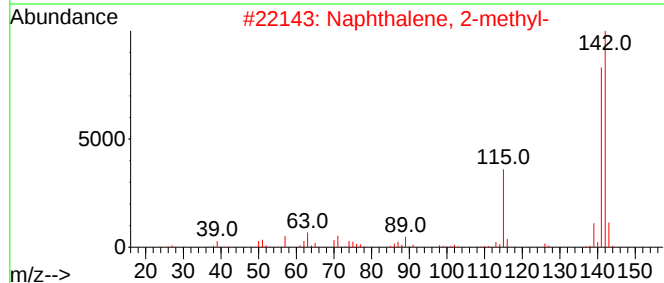
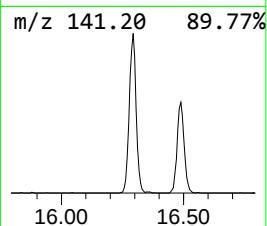
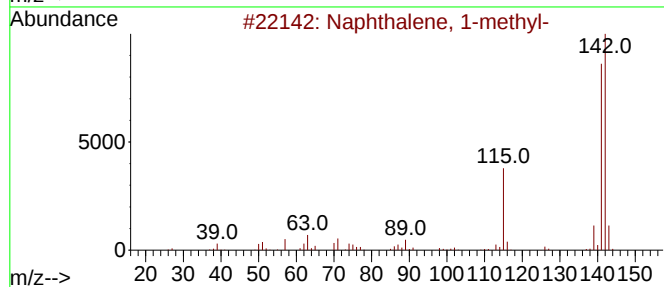
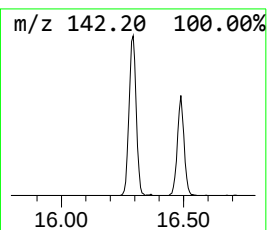
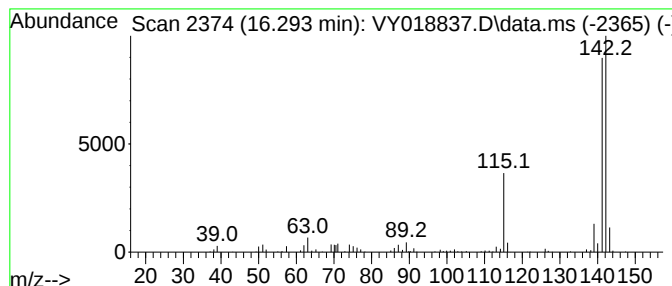
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070924S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.293 | 11.04 ug/l | 239070 | 1,4-Dichlorobenzene-d4 | 13.422 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 2    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 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 | 91   |
| 5    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 86   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071624\  
Data File : VY018837.D  
Acq On : 16 Jul 2024 17:25  
Operator : SY/MD  
Sample : P3224-09RE  
Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
400STEVEN-2RE

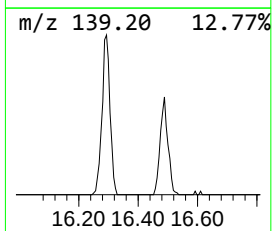
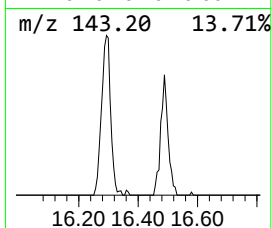
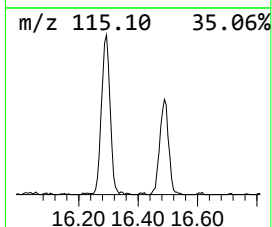
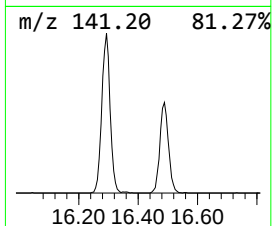
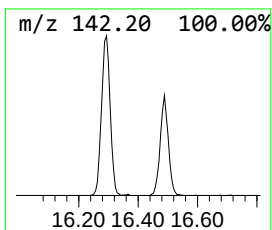
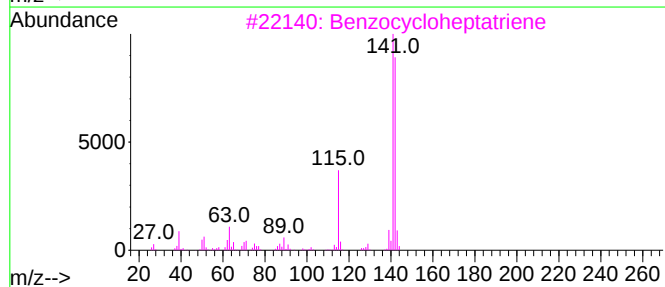
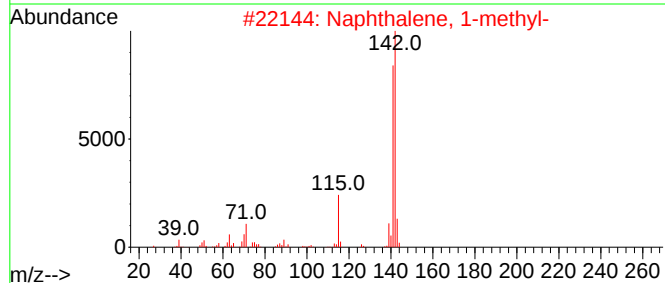
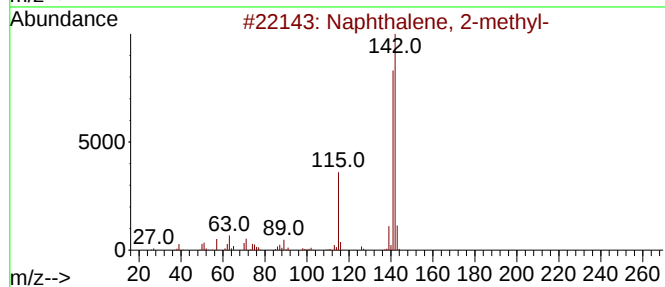
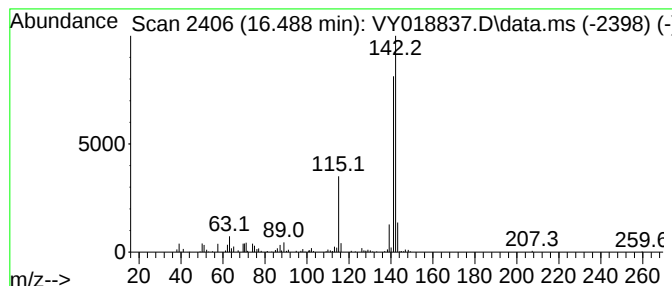
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070924S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Naphthalene, 2-methyl- Concentration Rank 3

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 16.488 | 7.32 ug/l | 158507 | 1,4-Dichlorobenzene-d4 | 13.422 |

| 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 | 94   |
| 3    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 91   |
| 4    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 87   |
| 5    |    |   | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071624\  
Data File : VY018837.D  
Acq On : 16 Jul 2024 17:25  
Operator : SY/MD  
Sample : P3224-09RE  
Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
400STEVEN-2RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070924S.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... | 12.733 | 7.9     | ug/l  | 170338   | 4                     | 13.422 | 1082330 | 50.0 |
| Indene             | 13.806 | 7.2     | ug/l  | 155696   | 4                     | 13.422 | 1082330 | 50.0 |
| Naphthalene, 1-... | 16.293 | 11.0    | ug/l  | 239070   | 4                     | 13.422 | 1082330 | 50.0 |
| Naphthalene, 2-... | 16.488 | 7.3     | ug/l  | 158507   | 4                     | 13.422 | 1082330 | 50.0 |