

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD120823\  
 Data File : VD077793.D  
 Acq On : 08 Dec 2023 15:59  
 Operator : JC/SY  
 Sample : 05629-01  
 Misc : 5.05G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VNJ-216

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\_D\Method\82D120823S.M

Title : SW846 8260

Signal : TIC: VD077793.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         | 1.746       | 21            | 27          | 37           | rVB      | 350226         | 602838        | 2.17%           | 1.075%        |
| 2         | 7.810       | 1045          | 1058        | 1063         | rBV      | 158431         | 389937        | 1.41%           | 0.696%        |
| 3         | 7.881       | 1063          | 1070        | 1082         | rVB      | 216536         | 503273        | 1.81%           | 0.898%        |
| 4         | 8.234       | 1121          | 1130        | 1139         | rBV      | 126118         | 287316        | 1.04%           | 0.512%        |
| 5         | 8.781       | 1214          | 1223        | 1237         | rVB      | 402523         | 831486        | 3.00%           | 1.483%        |
| 6         | 10.269      | 1469          | 1476        | 1486         | rBV      | 639281         | 1136576       | 4.10%           | 2.027%        |
| 7         | 11.581      | 1690          | 1699        | 1713         | rBV      | 570523         | 983779        | 3.55%           | 1.755%        |
| 8         | 12.575      | 1861          | 1868        | 1876         | rBV      | 429726         | 699912        | 2.52%           | 1.248%        |
| 9         | 13.516      | 2021          | 2028        | 2035         | rBV      | 541922         | 876953        | 3.16%           | 1.564%        |
| 10        | 15.333      | 2329          | 2337        | 2346         | rVB      | 17026945       | 27735302      | 100.00%         | 49.472%       |
| 11        | 15.428      | 2346          | 2353        | 2361         | rBV      | 336944         | 731221        | 2.64%           | 1.304%        |
| 12        | 16.404      | 2510          | 2519        | 2533         | rVV      | 7608601        | 15260448      | 55.02%          | 27.220%       |
| 13        | 16.604      | 2545          | 2553        | 2566         | rVB      | 2834386        | 6024045       | 21.72%          | 10.745%       |

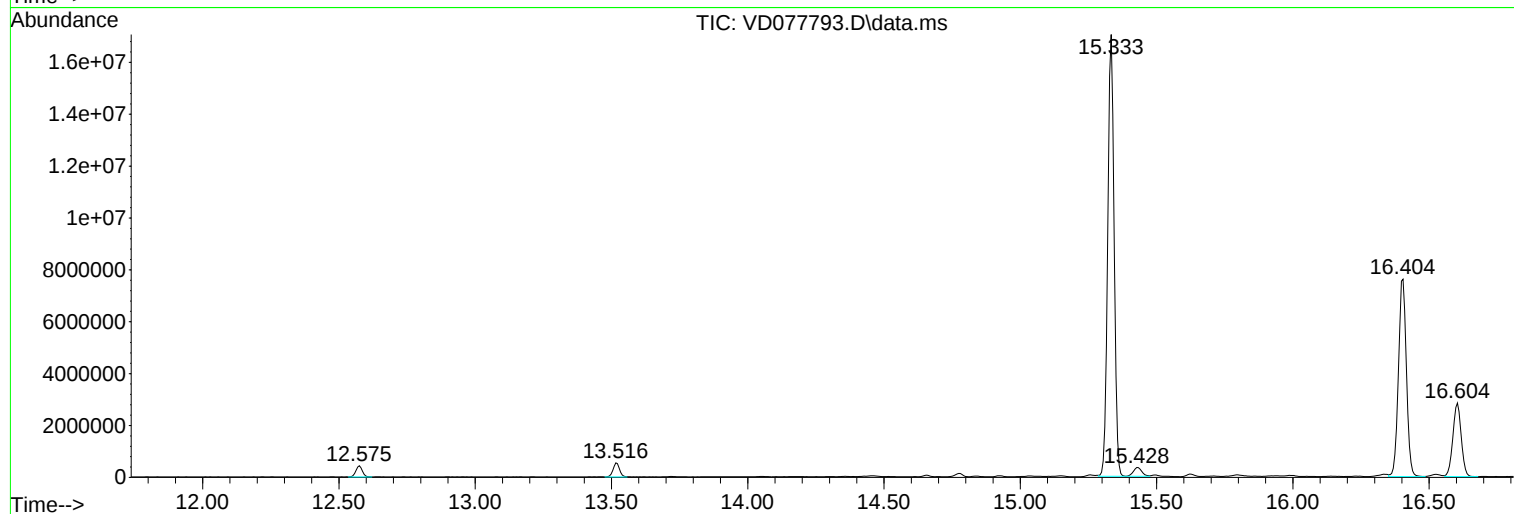
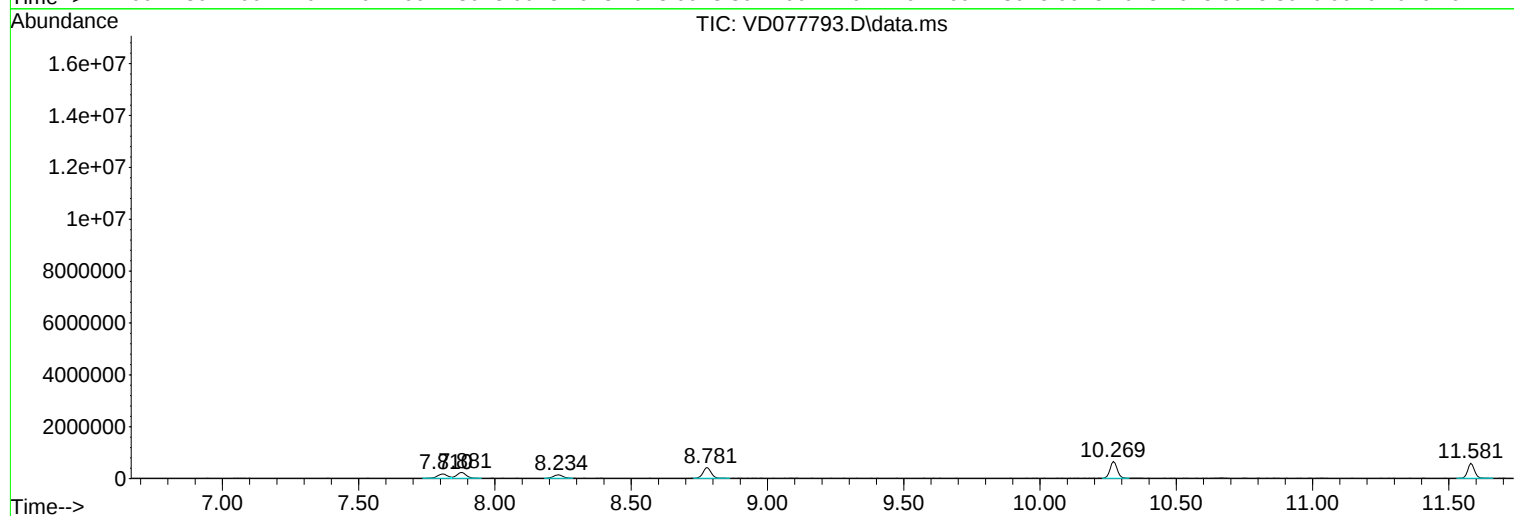
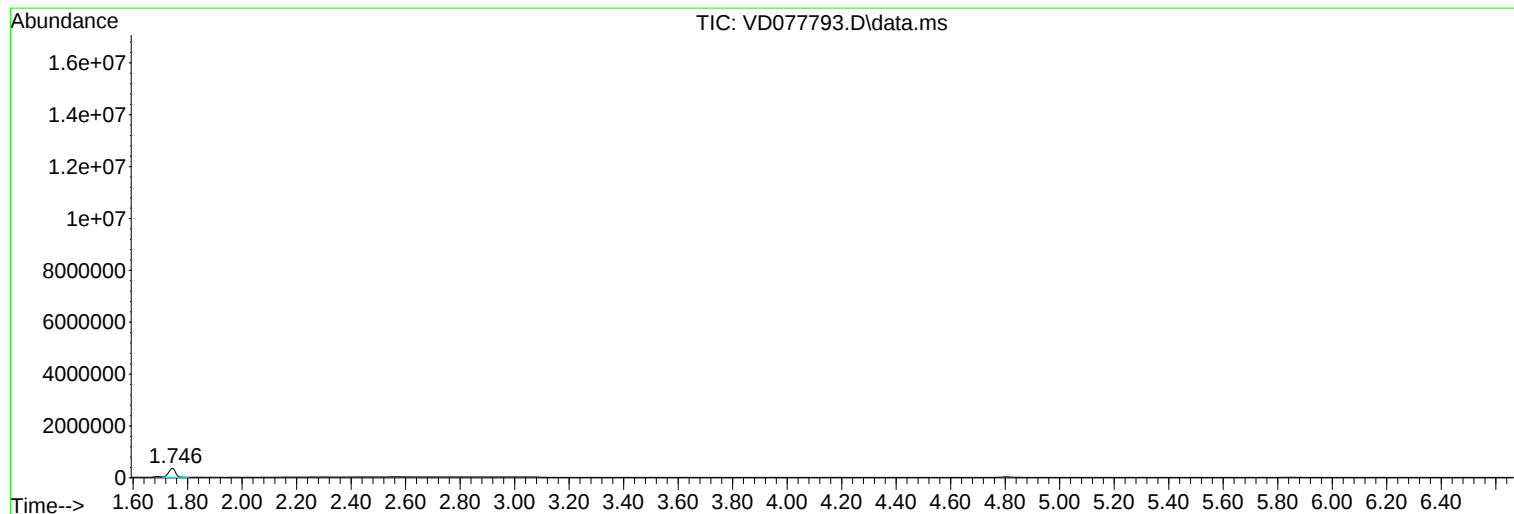
Sum of corrected areas: 56063086

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MSVOA\_D  
ClientSampleId :  
VNJ-216

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D120823S.M  
Quant Title : SW846 8260

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



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Sample : 05629-01  
Misc : 5.05G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-216

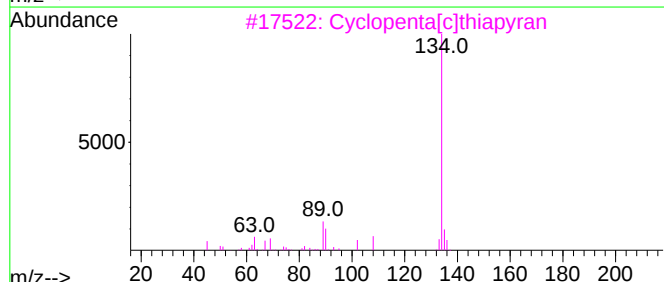
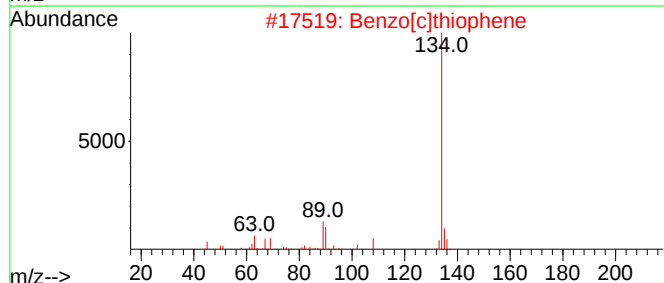
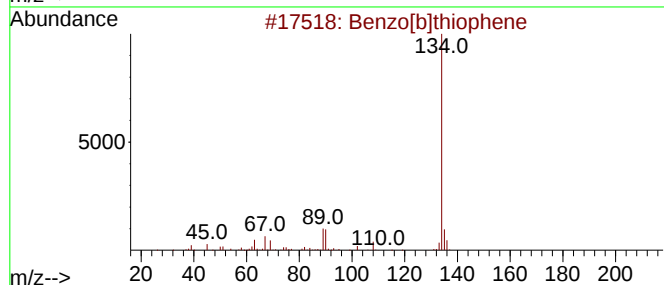
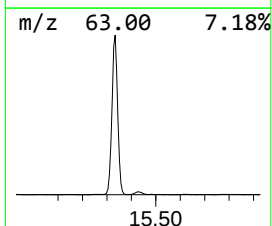
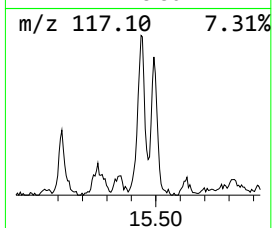
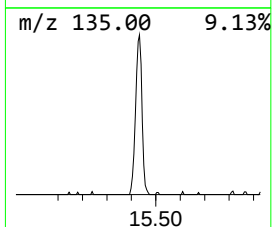
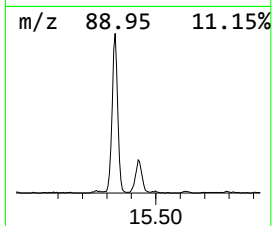
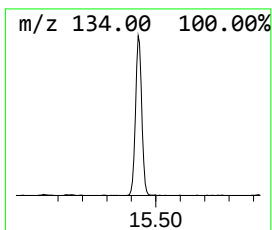
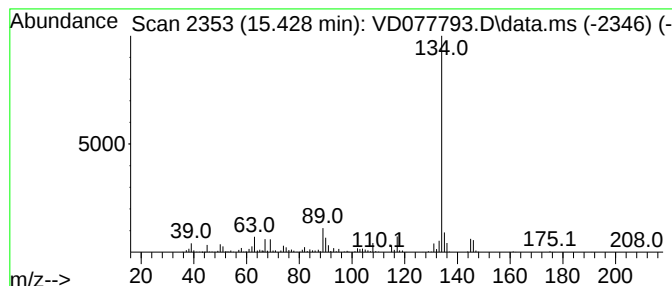
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D120823S.M  
Quant Title : SW846 8260

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

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Peak Number 3 Benzo[b]thiophene Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.428 | 41.69 ug/l | 731221 | 1,4-Dichlorobenzene-d4 | 13.516 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[b]thiophene             | 134 | C8H6S   | 000095-15-8 | 93   |
| 2    |    |   | Benzo[c]thiophene             | 134 | C8H6S   | 000270-82-6 | 87   |
| 3    |    |   | Cyclopenta[c]thiapyran        | 134 | C8H6S   | 000270-63-3 | 83   |
| 4    |    |   | 3-Deazaadenine                | 134 | C6H6N4  | 006811-77-4 | 59   |
| 5    |    |   | 2H-1-Benzopyran, 3,4-dihydro- | 134 | C9H10O  | 000493-08-3 | 58   |



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MSVOA\_D  
ClientSampleId :  
VNJ-216

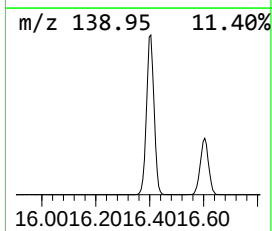
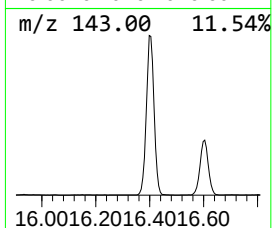
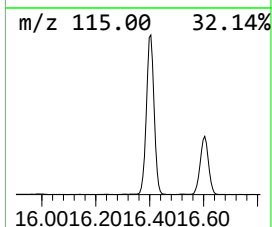
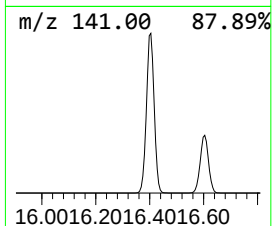
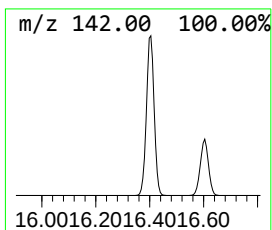
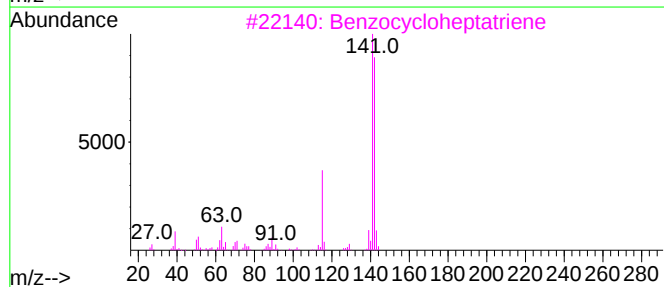
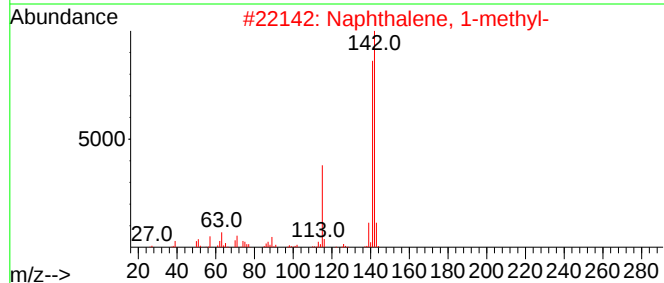
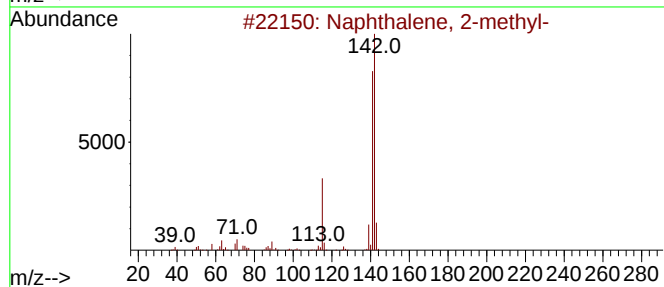
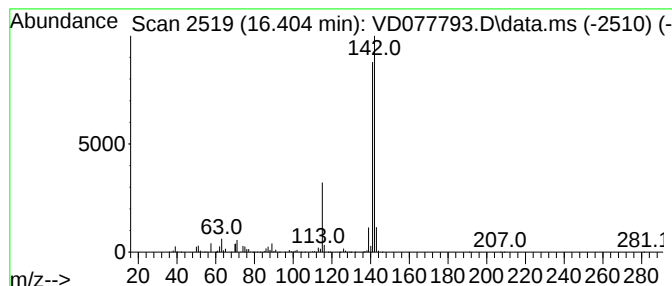
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D120823S.M  
Quant Title : SW846 8260

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

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Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 2

| R.T.   | EstConc     | Area     | Relative to ISTD       | R.T.   |
|--------|-------------|----------|------------------------|--------|
| 16.404 | 870.08 ug/l | 15260400 | 1,4-Dichlorobenzene-d4 | 13.516 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 91   |
| 4    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 91   |
| 5    |    |   | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 47   |



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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-216

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D120823S.M  
Quant Title : SW846 8260

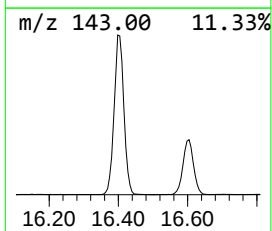
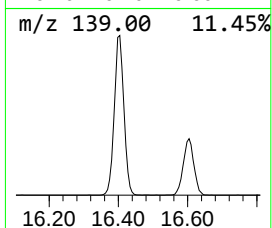
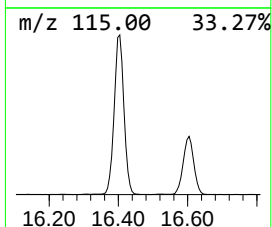
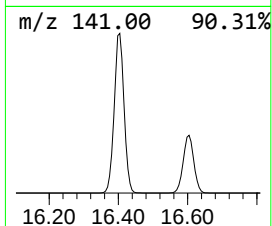
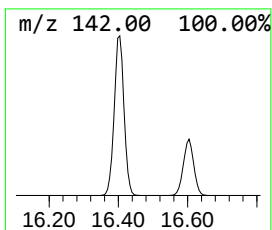
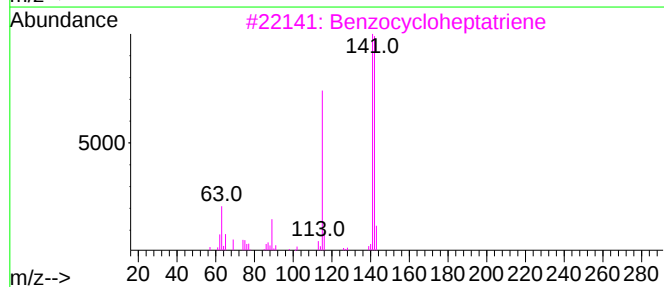
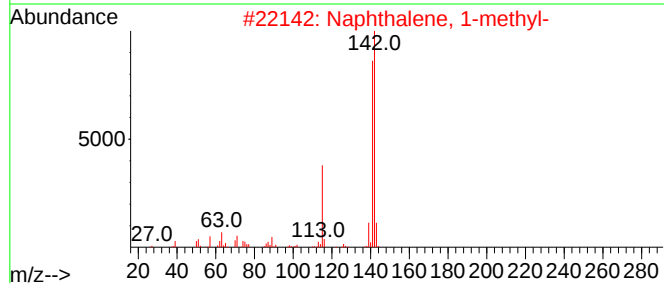
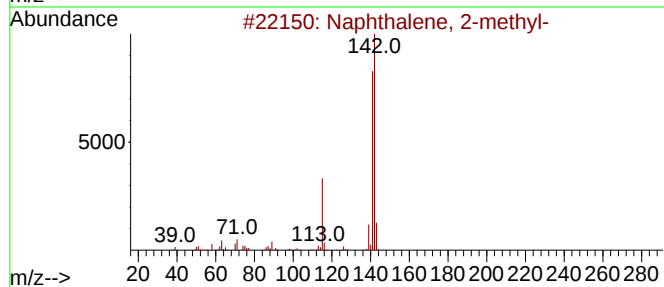
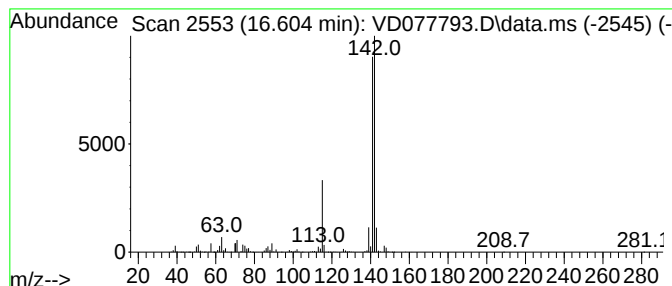
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Benzocycloheptatriene Concentration Rank 3

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 16.604 | 343.46 ug/l | 6024050 | 1,4-Dichlorobenzene-d4 | 13.516 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |    |   | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 91   |
| 4    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 91   |
| 5    |    |   | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 59   |



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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VNJ-216

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D120823S.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 |
| Benzo[b]thiophene  | 15.428 | 41.7    | ug/l  | 731221   | 4                     | 13.516 | 876953 | 50.0 |
| Naphthalene, 1-... | 16.404 | 870.1   | ug/l  | 15260400 | 4                     | 13.516 | 876953 | 50.0 |
| Benzocyclohepta... | 16.604 | 343.5   | ug/l  | 6024050  | 4                     | 13.516 | 876953 | 50.0 |