

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\  
 Data File : VW004329.D  
 Acq On : 29 Jul 2018 22:07  
 Operator : SY/AP  
 Sample : J4152-01  
 Misc : 6.74G/5ML/MSVOA W/SOIL  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 LA-SOIL-1

Integration Parameters: RTEINT.P

Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W073018S.M  
 Title : SW846 8260

Signal : TIC

| 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         | 1.807       | 28            | 36          | 58           | rVB      | 1174868        | 2800248       | 100.00%         | 52.308%       |
| 2         | 7.153       | 903           | 913         | 925          | rBV2     | 15722          | 44202         | 1.58%           | 0.826%        |
| 3         | 7.891       | 1024          | 1034        | 1038         | rBV      | 38834          | 92479         | 3.30%           | 1.727%        |
| 4         | 7.952       | 1038          | 1044        | 1055         | rVB      | 67863          | 149377        | 5.33%           | 2.790%        |
| 5         | 8.312       | 1094          | 1103        | 1113         | rVB      | 42819          | 91369         | 3.26%           | 1.707%        |
| 6         | 8.848       | 1181          | 1191        | 1201         | rBV      | 93729          | 191594        | 6.84%           | 3.579%        |
| 7         | 10.330      | 1425          | 1434        | 1441         | rBV      | 137067         | 245023        | 8.75%           | 4.577%        |
| 8         | 11.634      | 1641          | 1648        | 1657         | rBV      | 130975         | 221465        | 7.91%           | 4.137%        |
| 9         | 12.628      | 1804          | 1811        | 1820         | rVB      | 90920          | 155977        | 5.57%           | 2.914%        |
| 10        | 12.933      | 1844          | 1861        | 1862         | rBV4     | 18995          | 69222         | 2.47%           | 1.293%        |
| 11        | 13.360      | 1918          | 1931        | 1932         | rBV3     | 28935          | 77800         | 2.78%           | 1.453%        |
| 12        | 13.494      | 1944          | 1953        | 1959         | rBV4     | 13235          | 45921         | 1.64%           | 0.858%        |
| 13        | 13.567      | 1959          | 1965        | 1975         | rVB      | 142543         | 238902        | 8.53%           | 4.463%        |
| 14        | 13.768      | 1992          | 1998        | 2005         | rVB      | 20392          | 33918         | 1.21%           | 0.634%        |
| 15        | 14.987      | 2187          | 2198        | 2209         | rBV3     | 38717          | 155697        | 5.56%           | 2.908%        |
| 16        | 15.377      | 2254          | 2262        | 2271         | rBV      | 284045         | 496131        | 17.72%          | 9.268%        |
| 17        | 16.456      | 2433          | 2439        | 2448         | rVB3     | 31043          | 71377         | 2.55%           | 1.333%        |
| 18        | 16.658      | 2465          | 2472        | 2484         | rVB2     | 76070          | 172679        | 6.17%           | 3.226%        |

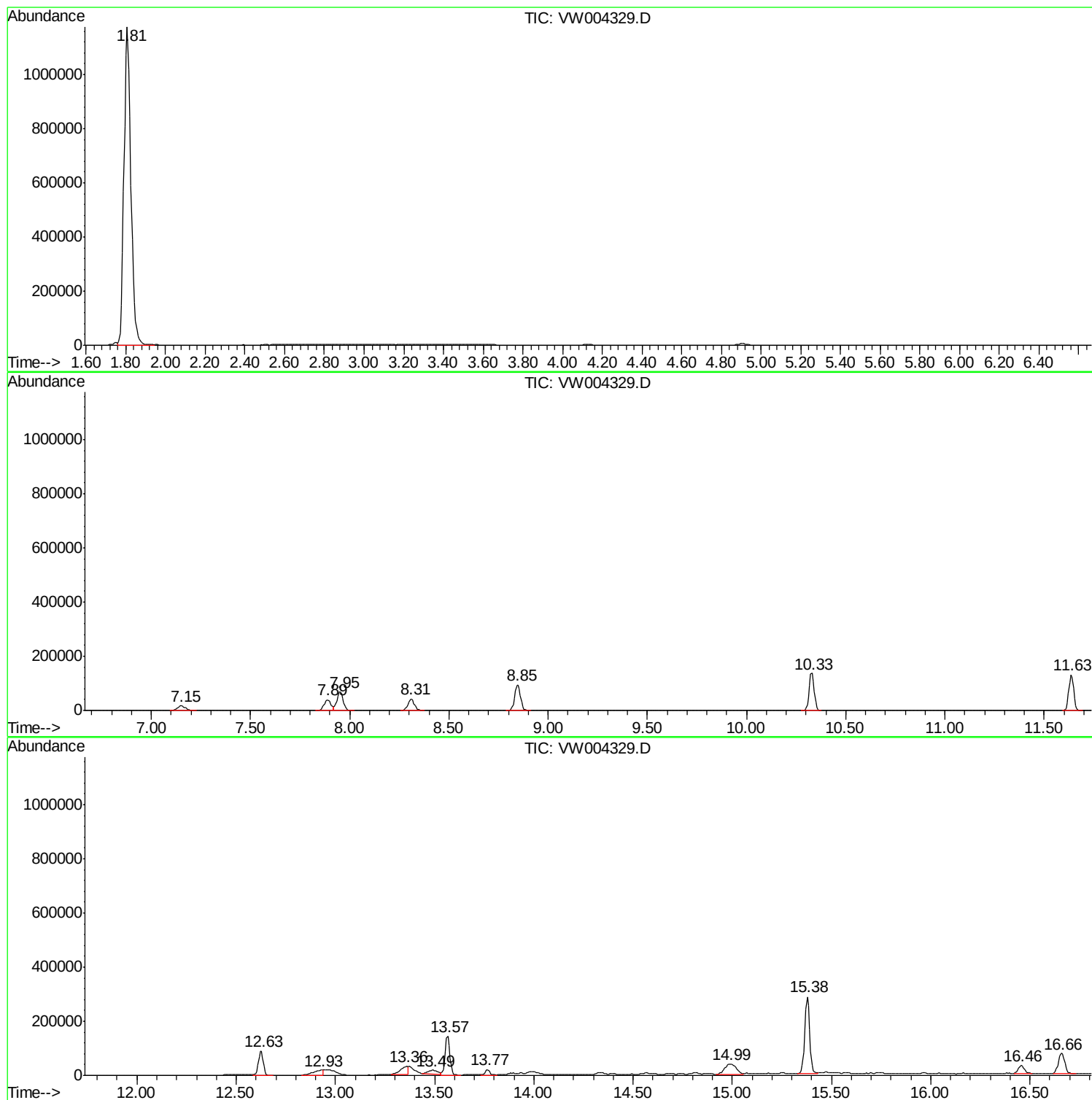
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Misc : 6.74G/5ML/MSVOA W/SOIL  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
LA-SOIL-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W073018S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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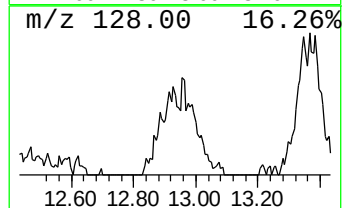
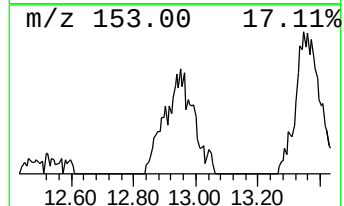
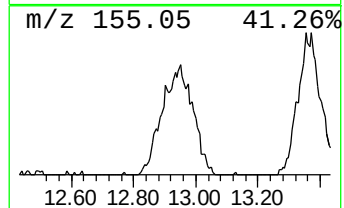
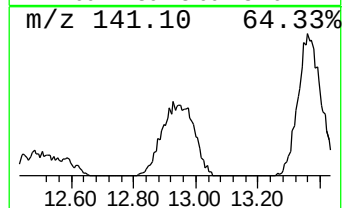
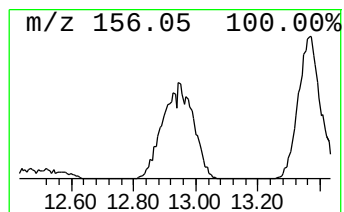
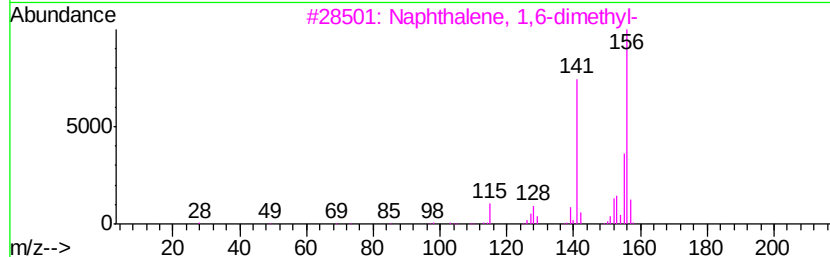
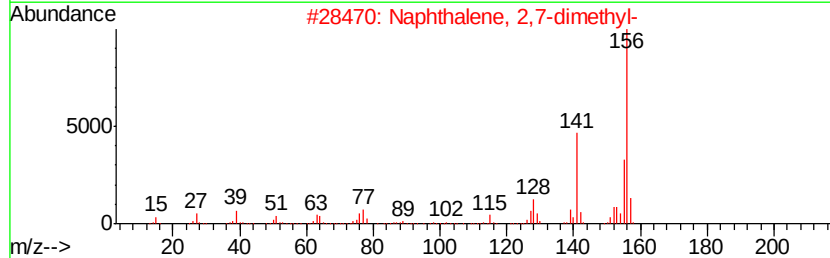
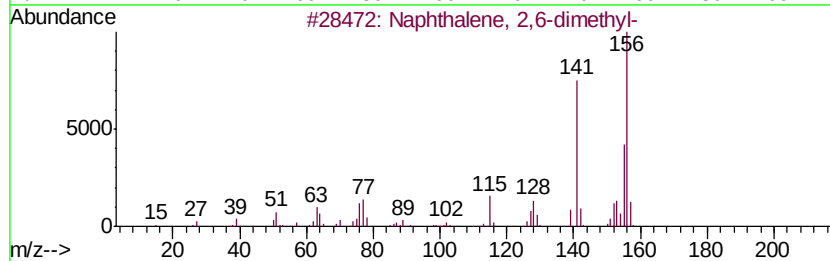
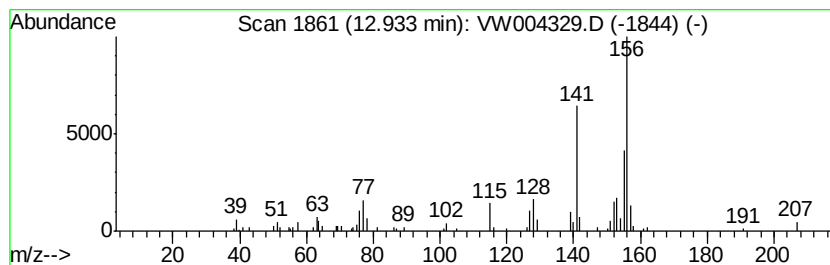
Instrument :  
MSVOA\_W  
ClientSampleId :  
LA-SOIL-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W073018S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 7

| R.T.    | EstConc    | Area                       | Relative to ISTD       | R.T.           |
|---------|------------|----------------------------|------------------------|----------------|
| 12.93   | 14.49 ug/l | 69222                      | 1,4-Dichlorobenzene-d4 | 13.57          |
| Hit# of | 5          | Tentative ID               | MW MolForm             | CAS# Qual      |
| 1       |            | Naphthalene, 2,6-dimethyl- | 156 C12H12             | 000581-42-0 97 |
| 2       |            | Naphthalene, 2,7-dimethyl- | 156 C12H12             | 000582-16-1 96 |
| 3       |            | Naphthalene, 1,6-dimethyl- | 156 C12H12             | 000575-43-9 95 |
| 4       |            | Naphthalene, 1,7-dimethyl- | 156 C12H12             | 000575-37-1 95 |
| 5       |            | Naphthalene, 1,5-dimethyl- | 156 C12H12             | 000571-61-9 94 |



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Misc : 6.74G/5ML/MSVOA W/SOIL  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
LA-SOIL-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W073018S.M  
Quant Title : SW846 8260

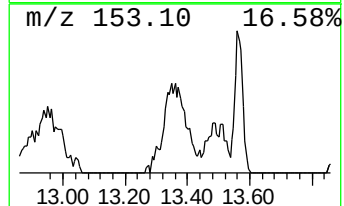
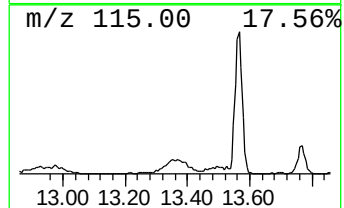
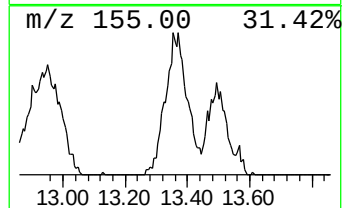
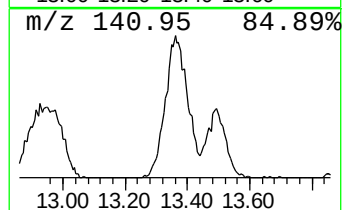
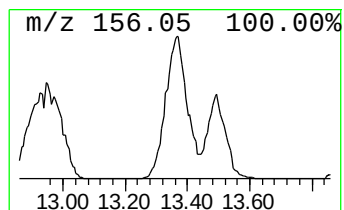
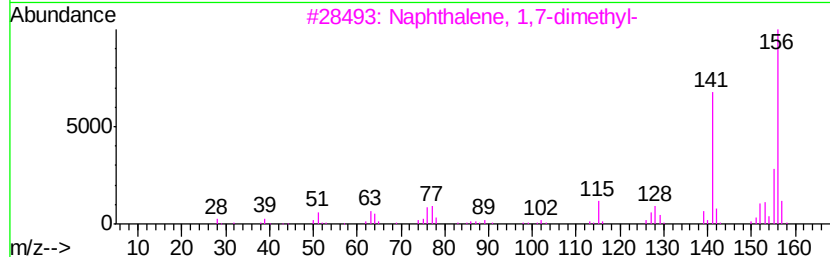
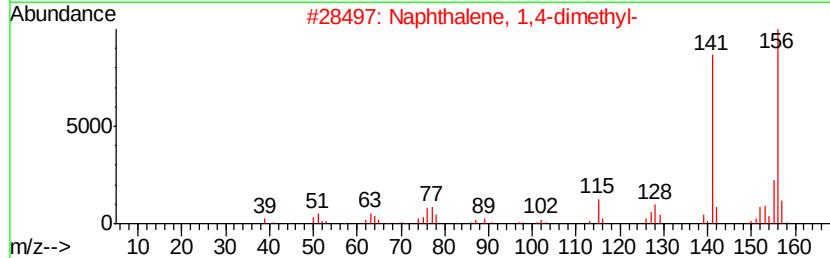
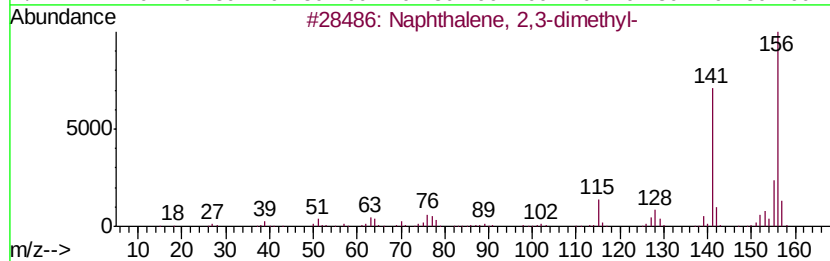
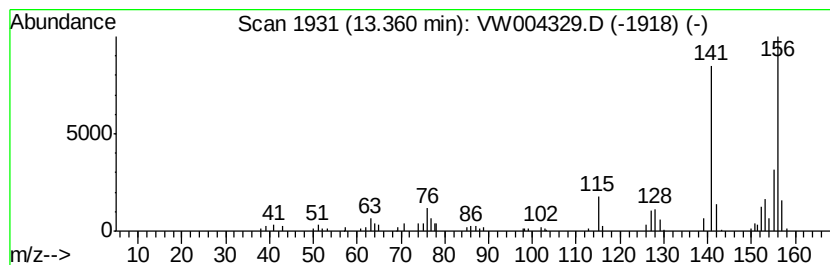
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area  | Relative to ISTD       | R.T.  |
|-------|------------|-------|------------------------|-------|
| 13.36 | 16.28 ug/l | 77800 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 96   |
| 2    |    | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 96   |
| 3    |    | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 95   |
| 4    |    | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 95   |
| 5    |    | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 95   |



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Misc : 6.74G/5ML/MSVOA W/SOIL  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
LA-SOIL-1

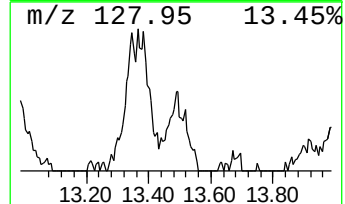
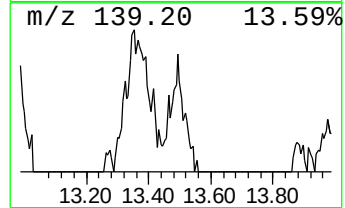
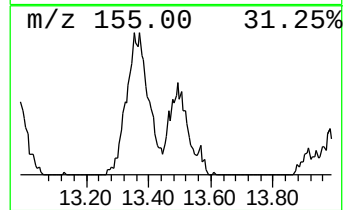
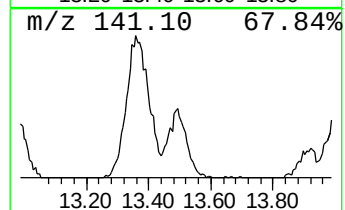
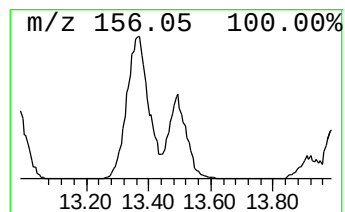
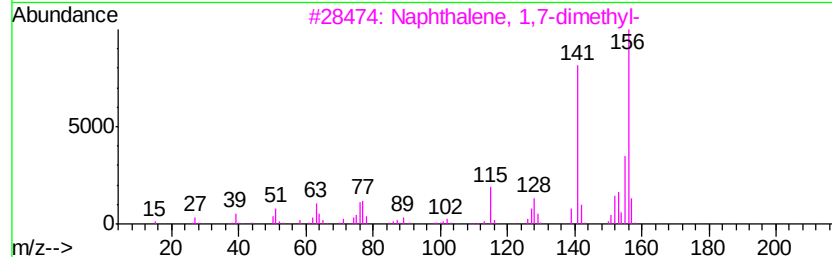
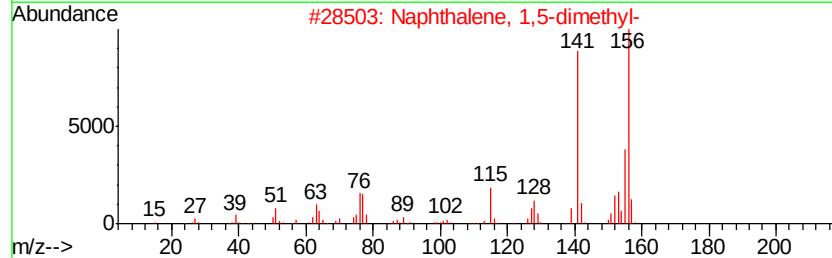
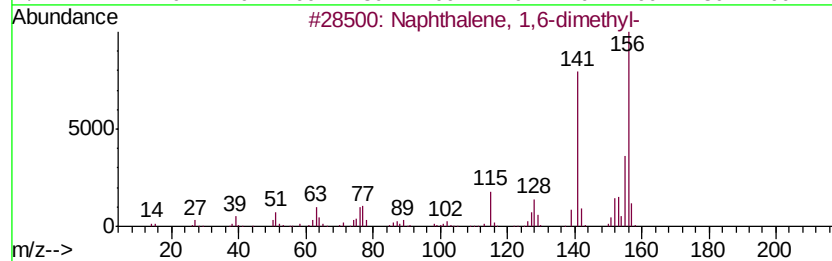
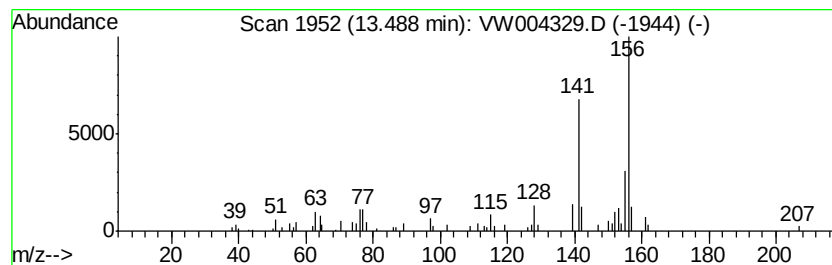
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W073018S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 8

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 13.49 | 9.61 ug/l | 45921 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 93   |
| 2    |    | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 93   |
| 3    |    | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 93   |
| 4    |    | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 93   |
| 5    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 91   |



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Sample : J4152-01  
Misc : 6.74G/5ML/MSVOA W/SOIL  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampled :  
LA-SOIL-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W073018S.M  
Quant Title : SW846 8260

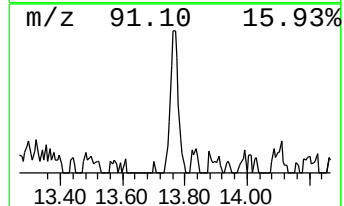
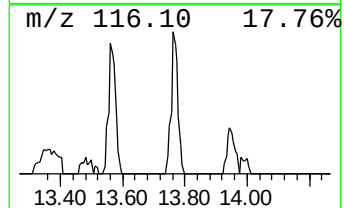
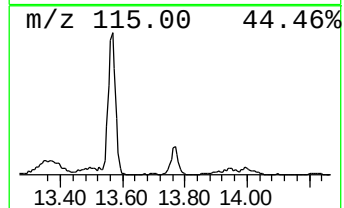
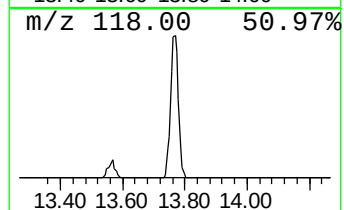
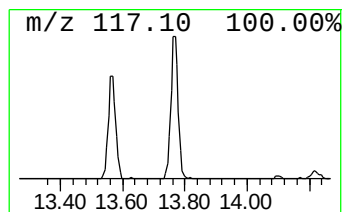
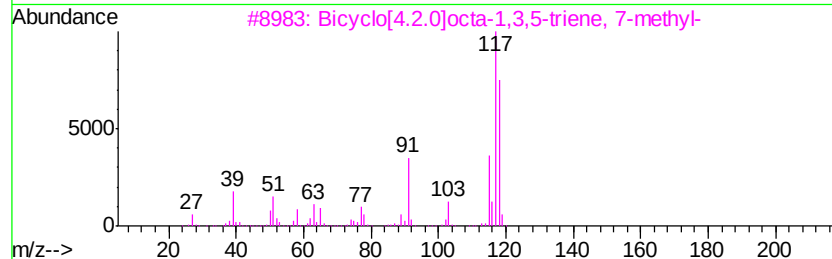
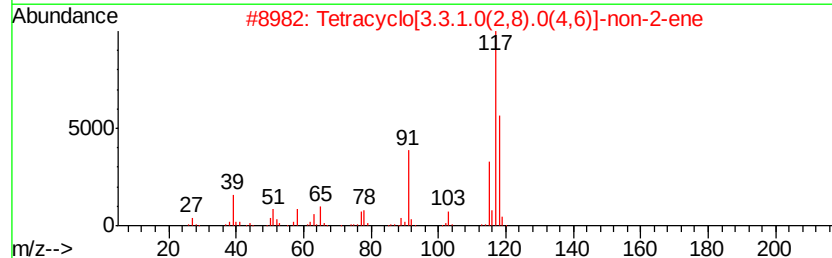
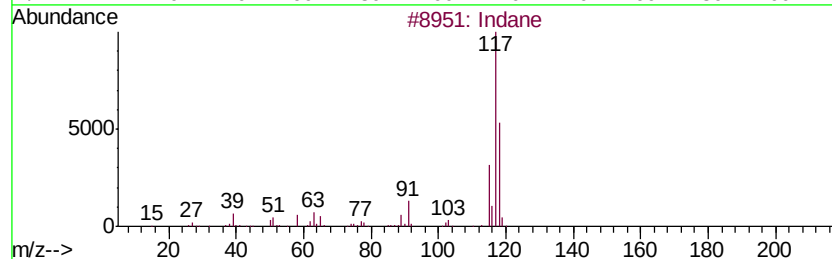
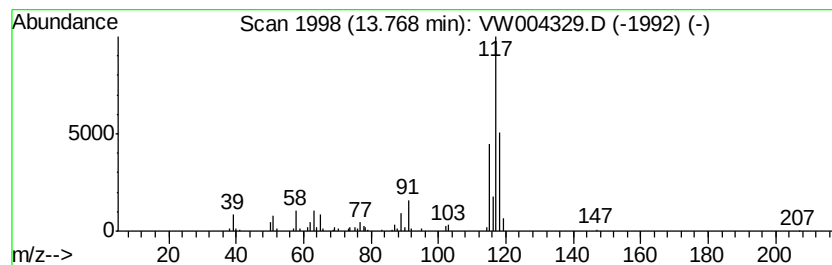
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Indane Concentration Rank 9

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 13.77 | 7.10 ug/l | 33918 | 1,4-Dichlorobenzene-d4 | 13.57 |

| Hit# of | 5                                | Tentative ID | MW  | MolForm | CAS#         | Qual |
|---------|----------------------------------|--------------|-----|---------|--------------|------|
| 1       | Indane                           |              | 118 | C9H10   | 000496-11-7  | 93   |
| 2       | Tetracyclo[3.3.1.0(2,8).0(4,6)]- | ...          | 118 | C9H10   | 1000191-13-7 | 70   |
| 3       | Bicyclo[4.2.0]octa-1,3,5-triene, | ...          | 118 | C9H10   | 055337-80-9  | 64   |
| 4       | Benzene, 1-propenyl-             |              | 118 | C9H10   | 000637-50-3  | 62   |
| 5       | Benzene, (2-bromocyclopropyl)-   |              | 196 | C9H9Br  | 036617-02-4  | 59   |



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ALS Vial : 27 Sample Multiplier: 1

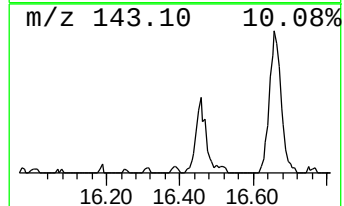
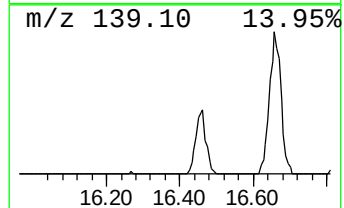
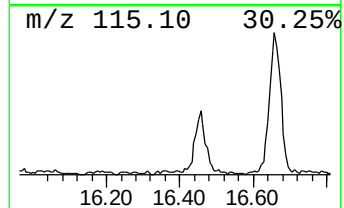
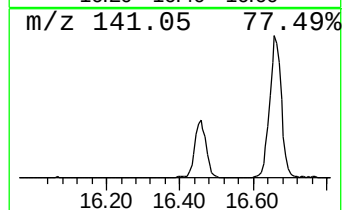
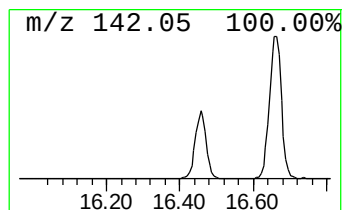
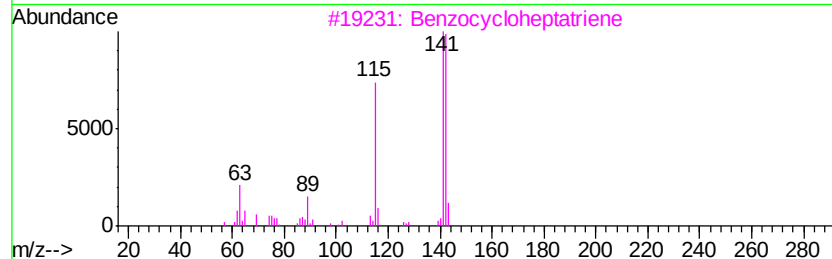
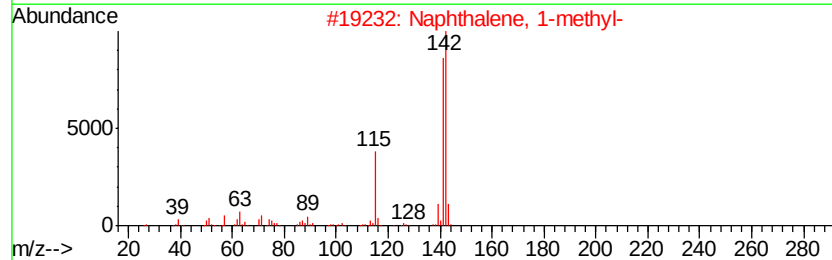
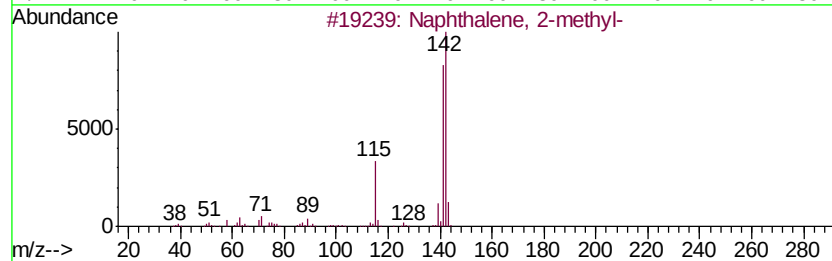
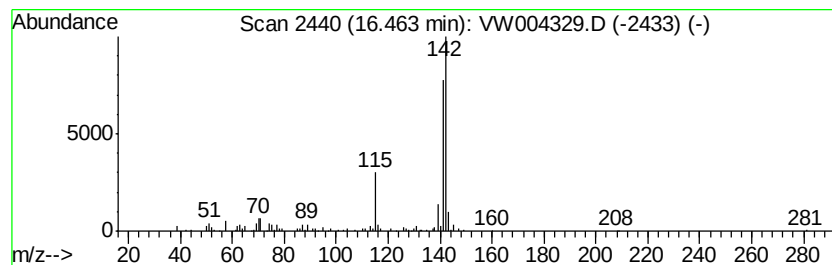
Instrument :  
MSVOA\_W  
ClientSampleId :  
LA-SOIL-1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W073018S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Naphthalene, 1-methyl- Concentration Rank 5

| R.T.      | EstConc                             | Area  | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|-------|------------------------|-------------|------|
| 16.46     | 14.94 ug/l                          | 71377 | 1,4-Dichlorobenzene-d4 | 13.57       |      |
| 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 | 97   |
| 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 | 64   |



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ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
LA-SOIL-1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W073018S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Naphthalene, 2,6-... | 12.93 | 14.5    | ug/l  | 69222    | 4                     | 13.57 | 238902 | 50.0 |
| Naphthalene, 2,3-... | 13.36 | 16.3    | ug/l  | 77800    | 4                     | 13.57 | 238902 | 50.0 |
| Naphthalene, 1,6-... | 13.49 | 9.6     | ug/l  | 45921    | 4                     | 13.57 | 238902 | 50.0 |
| Indane               | 13.77 | 7.1     | ug/l  | 33918    | 4                     | 13.57 | 238902 | 50.0 |
| Naphthalene, 1-me... | 16.46 | 14.9    | ug/l  | 71377    | 4                     | 13.57 | 238902 | 50.0 |