

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\  
 Data File : VF059764.D  
 Acq On : 1 Aug 2018 19:17  
 Operator : VA/AP  
 Sample : J4231-13  
 Misc : 5.02g/5mL/MSVOA F/SOIL  
 ALS Vial : 94 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 2018-NYSEG-CLARK-AREA-14-7

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\_F\METHODS\82F073018S.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         | 2.269       | 174           | 176         | 180          | rBV3     | 8009           | 19530         | 1.19%           | 0.390%        |
| 2         | 4.290       | 374           | 381         | 389          | rVB      | 68384          | 209753        | 12.73%          | 4.191%        |
| 3         | 5.029       | 448           | 456         | 467          | rBV2     | 173804         | 574567        | 34.87%          | 11.481%       |
| 4         | 5.759       | 525           | 530         | 538          | rBV      | 165446         | 431687        | 26.20%          | 8.626%        |
| 5         | 7.701       | 722           | 727         | 733          | rBV      | 150633         | 362373        | 21.99%          | 7.241%        |
| 6         | 9.909       | 945           | 951         | 960          | rBV      | 167473         | 396085        | 24.04%          | 7.915%        |
| 7         | 11.506      | 1110          | 1113        | 1122         | rBV      | 132062         | 244389        | 14.83%          | 4.883%        |
| 8         | 12.629      | 1223          | 1227        | 1238         | rVB      | 214731         | 350035        | 21.24%          | 6.995%        |
| 9         | 12.797      | 1241          | 1244        | 1248         | rBV2     | 12197          | 21847         | 1.33%           | 0.437%        |
| 10        | 13.004      | 1258          | 1265        | 1272         | rVB10    | 5293           | 21928         | 1.33%           | 0.438%        |
| 11        | 13.290      | 1284          | 1294        | 1310         | rBV      | 351864         | 1647695       | 100.00%         | 32.925%       |
| 12        | 13.516      | 1312          | 1317        | 1318         | rVV3     | 11742          | 24624         | 1.49%           | 0.492%        |
| 13        | 13.556      | 1318          | 1321        | 1325         | rVV4     | 15223          | 35301         | 2.14%           | 0.705%        |
| 14        | 13.773      | 1337          | 1343        | 1350         | rVV8     | 19683          | 59137         | 3.59%           | 1.182%        |
| 15        | 13.921      | 1352          | 1358        | 1366         | rVB8     | 9410           | 37456         | 2.27%           | 0.748%        |
| 16        | 14.039      | 1366          | 1370        | 1376         | rBV7     | 7391           | 26236         | 1.59%           | 0.524%        |
| 17        | 14.137      | 1376          | 1380        | 1384         | rVV6     | 8861           | 25695         | 1.56%           | 0.513%        |
| 18        | 14.216      | 1384          | 1388        | 1397         | rVB      | 15256          | 51135         | 3.10%           | 1.022%        |
| 19        | 14.413      | 1403          | 1408        | 1414         | rBV6     | 7518           | 27055         | 1.64%           | 0.541%        |
| 20        | 14.522      | 1414          | 1419        | 1424         | rBV      | 55777          | 86932         | 5.28%           | 1.737%        |
| 21        | 15.172      | 1481          | 1485        | 1490         | rBV7     | 5473           | 18144         | 1.10%           | 0.363%        |
| 22        | 15.271      | 1490          | 1495        | 1499         | rVV2     | 39510          | 111382        | 6.76%           | 2.226%        |
| 23        | 15.350      | 1499          | 1503        | 1511         | rVB3     | 31335          | 77244         | 4.69%           | 1.544%        |
| 24        | 15.478      | 1512          | 1516        | 1519         | rBV2     | 27432          | 44061         | 2.67%           | 0.880%        |
| 25        | 15.862      | 1551          | 1555        | 1561         | rVB      | 27707          | 53371         | 3.24%           | 1.066%        |
| 26        | 16.069      | 1573          | 1576        | 1578         | rBV      | 27522          | 46770         | 2.84%           | 0.935%        |

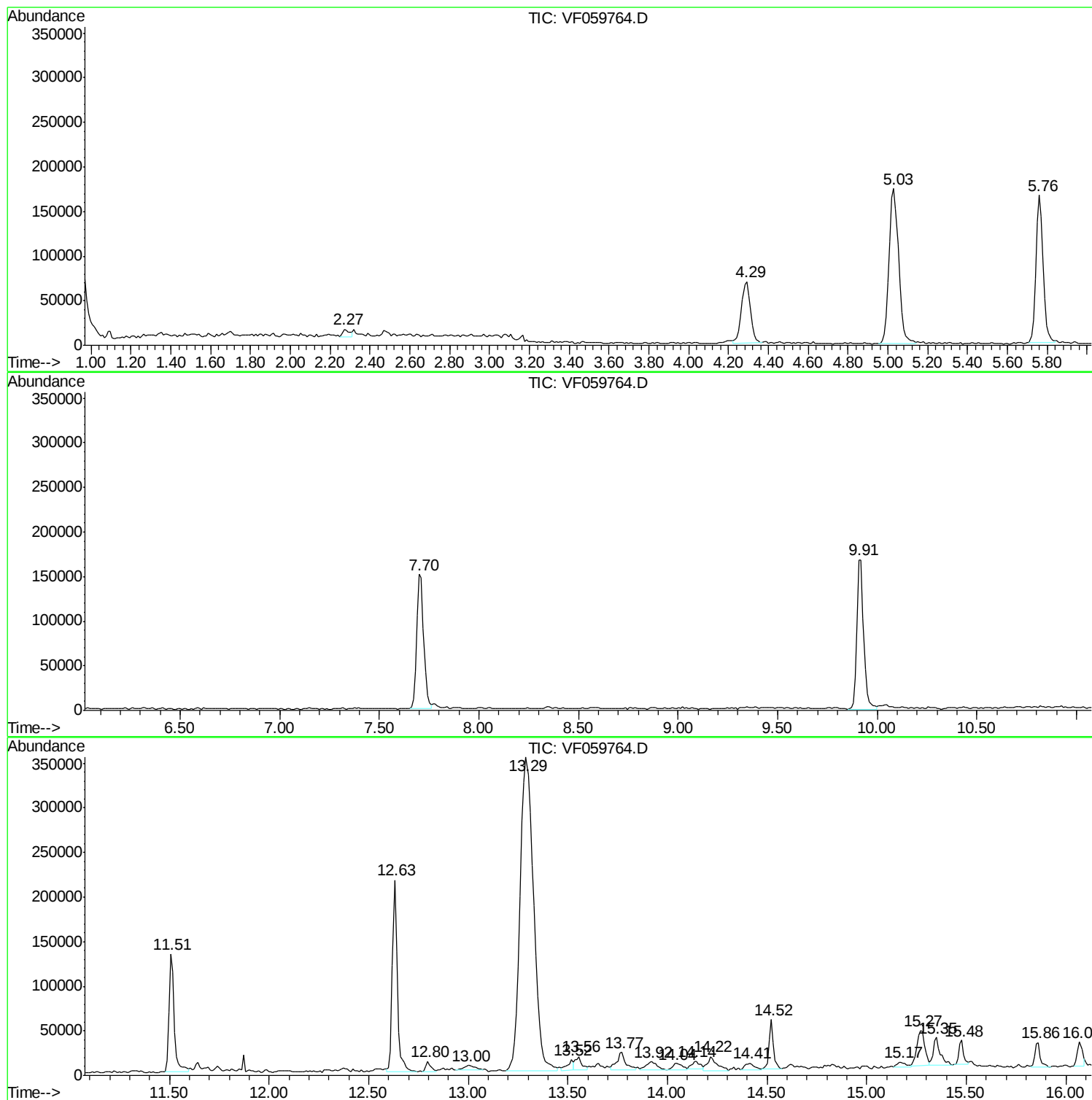
Sum of corrected areas: 5004432

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080118\  
Data File : VF059764.D  
Acq On : 1 Aug 2018 19:17  
Operator : VA/AP  
Sample : J4231-13  
Misc : 5.02g/5mL/MSVOA F/SOIL  
ALS Vial : 94 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
2018-NYSEG-CLARK-AREA-14-7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F073018S.M  
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080118\  
Data File : VF059764.D  
Acq On : 1 Aug 2018 19:17  
Operator : VA/AP  
Sample : J4231-13  
Misc : 5.02g/5mL/MSVOA F/SOIL  
ALS Vial : 94 Sample Multiplier: 1

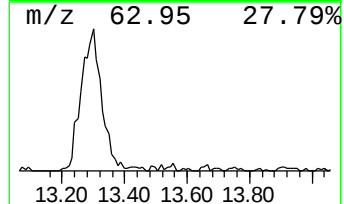
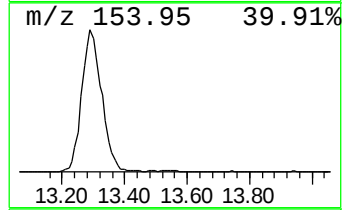
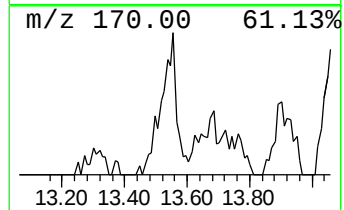
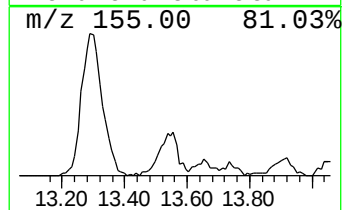
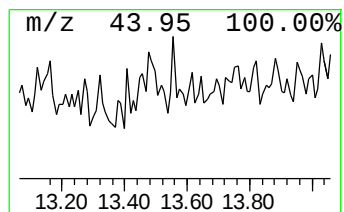
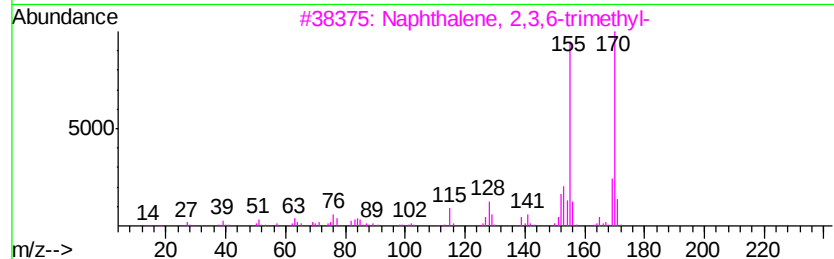
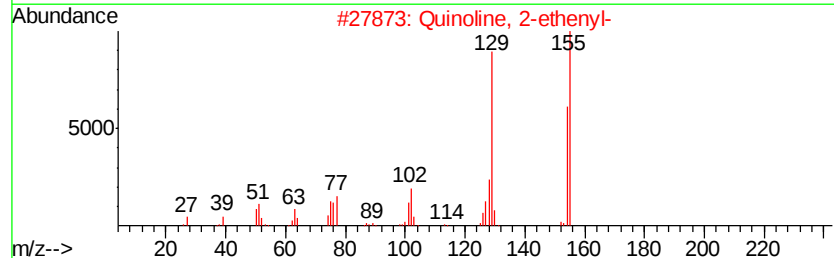
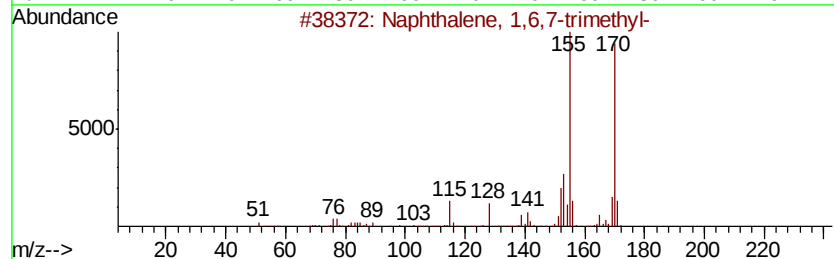
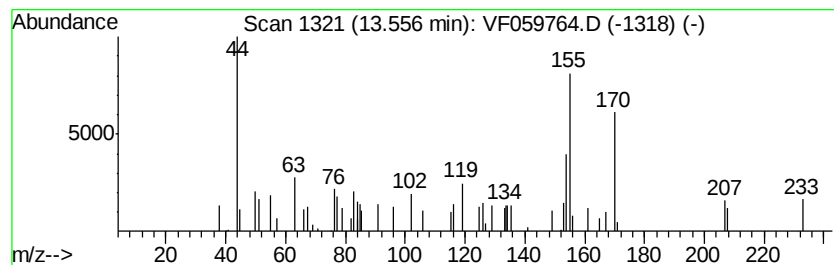
Instrument :  
MSVOA\_F  
ClientSampleId :  
2018-NYSEG-CLARK-AREA-14-7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F073018S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 2 unknown13.56 Concentration Rank 10

| R.T.      | EstConc                             | Area  | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|-------|------------------------|-------------|------|
| 13.56     | 5.04 ug/l                           | 35301 | 1,4-Dichlorobenzene-d4 | 12.63       |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm                | CAS#        | Qual |
| 1         | Naphthalene, 1,6,7-trimethyl-       | 170   | C13H14                 | 002245-38-7 | 35   |
| 2         | Quinoline, 2-ethenyl-               | 155   | C11H9N                 | 000772-03-2 | 25   |
| 3         | Naphthalene, 2,3,6-trimethyl-       | 170   | C13H14                 | 000829-26-5 | 25   |
| 4         | Metharbital                         | 198   | C9H14N2O3              | 000050-11-3 | 22   |
| 5         | 3-Pyridinemethanol, 4,5-dihydrox... | 155   | C7H9NO3                | 000700-73-2 | 22   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080118\  
Data File : VF059764.D  
Acq On : 1 Aug 2018 19:17  
Operator : VA/AP  
Sample : J4231-13  
Misc : 5.02g/5mL/MSVOA F/SOIL  
ALS Vial : 94 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
2018-NYSEG-CLARK-AREA-14-7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F073018S.M  
Quant Title : SW846 8260

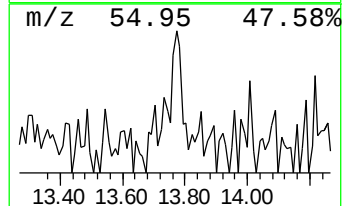
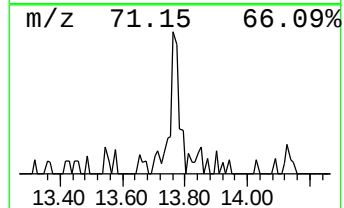
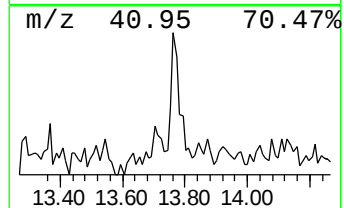
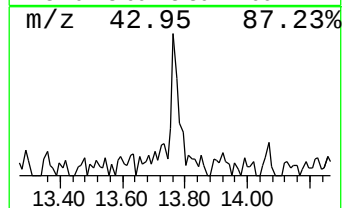
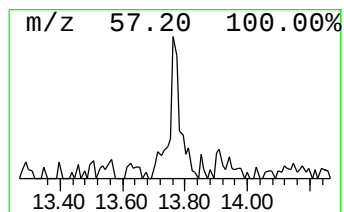
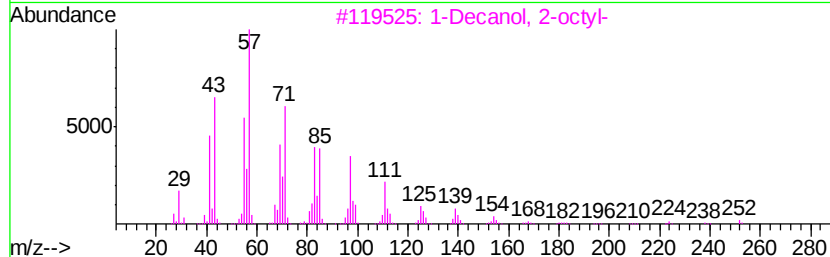
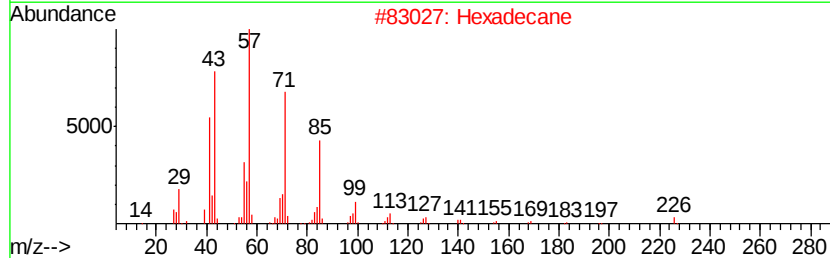
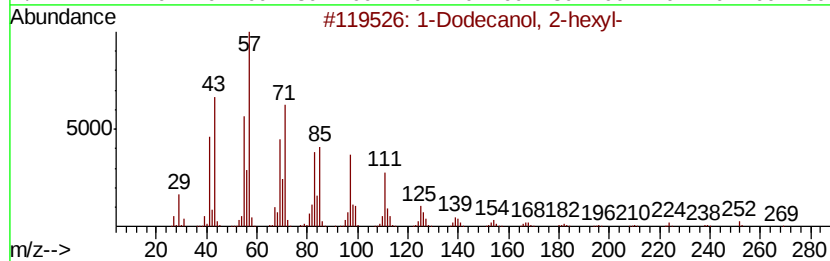
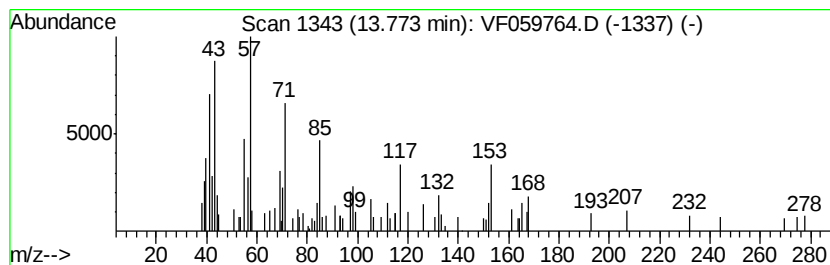
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 unknown13.77 Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 13.77 | 8.45 ug/l | 59137 | 1,4-Dichlorobenzene-d4 | 12.63 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | 1-Dodecanol, 2-hexyl-    | 270 | C18H38O | 110225-00-8 | 43   |
| 2    |    | Hexadecane               | 226 | C16H34  | 000544-76-3 | 38   |
| 3    |    | 1-Decanol, 2-octyl-      | 270 | C18H38O | 045235-48-1 | 38   |
| 4    |    | Decane, 2,3,8-trimethyl- | 184 | C13H28  | 062238-14-6 | 35   |
| 5    |    | 1-Iodo-2-methylundecane  | 296 | C12H25I | 073105-67-6 | 35   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080118\  
Data File : VF059764.D  
Acq On : 1 Aug 2018 19:17  
Operator : VA/AP  
Sample : J4231-13  
Misc : 5.02g/5mL/MSVOA F/SOIL  
ALS Vial : 94 Sample Multiplier: 1

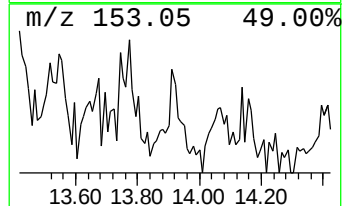
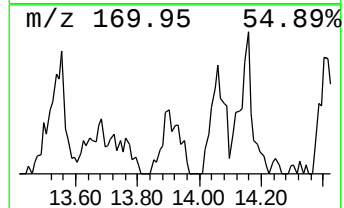
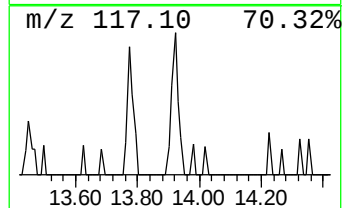
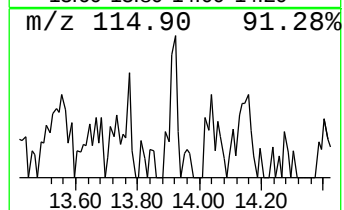
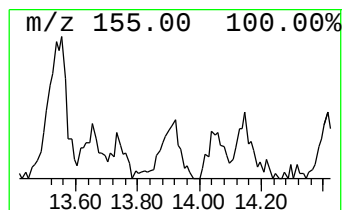
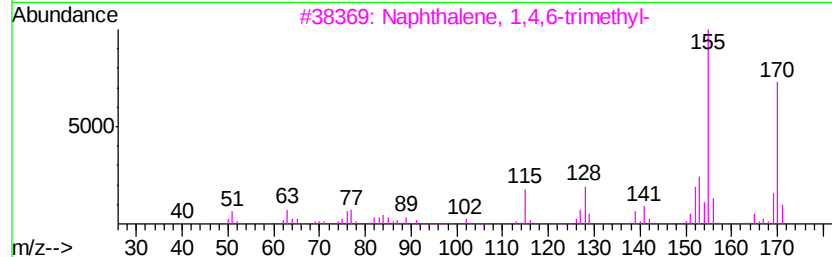
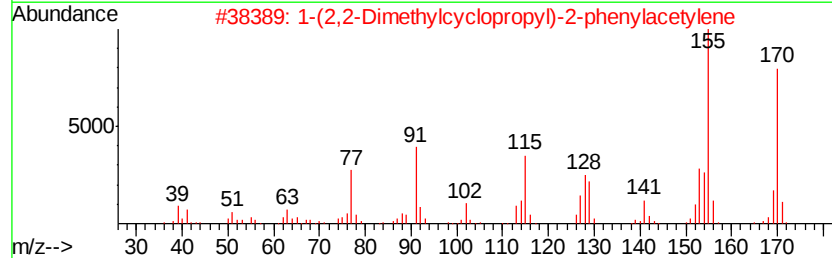
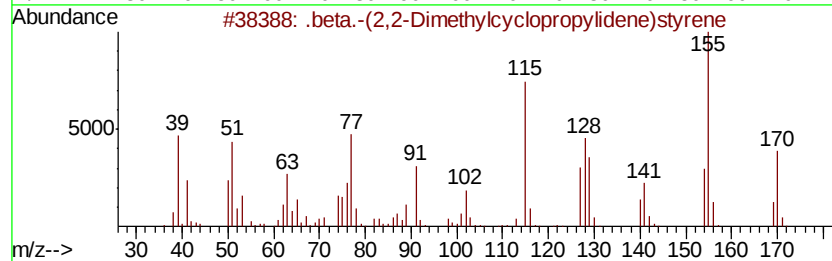
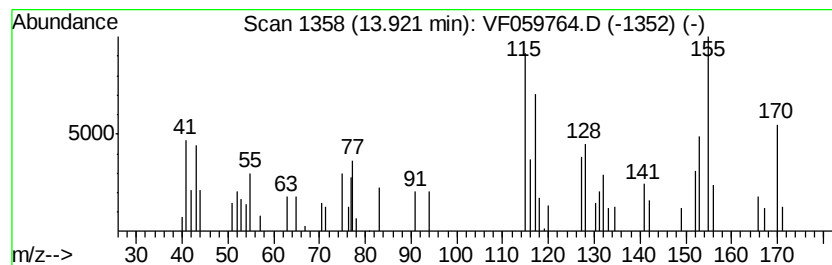
Instrument :  
MSVOA\_F  
ClientSampleId :  
2018-NYSEG-CLARK-AREA-14-7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F073018S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 .beta.-(2,2-Dimethylcyclopr... Concentration Rank 9

| R.T.      | EstConc                                  | Area  | Relative to ISTD       | R.T.         |      |
|-----------|------------------------------------------|-------|------------------------|--------------|------|
| 13.92     | 5.35 ug/l                                | 37456 | 1,4-Dichlorobenzene-d4 | 12.63        |      |
| Hit# of 5 | Tentative ID                             | MW    | MolForm                | CAS#         | Qual |
| 1         | .beta.-(2,2-Dimethylcyclopropyl)-2-ph... | 170   | C13H14                 | 1000226-03-5 | 60   |
| 2         | 1-(2,2-Dimethylcyclopropyl)-2-ph...      | 170   | C13H14                 | 1000294-91-1 | 47   |
| 3         | Naphthalene, 1,4,6-trimethyl-            | 170   | C13H14                 | 002131-42-2  | 43   |
| 4         | 3-(2-Methyl-propenyl)-1H-indene          | 170   | C13H14                 | 1000187-78-5 | 43   |
| 5         | Naphthalene, 1-(1-methylethyl)-          | 170   | C13H14                 | 006158-45-8  | 38   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080118\  
Data File : VF059764.D  
Acq On : 1 Aug 2018 19:17  
Operator : VA/AP  
Sample : J4231-13  
Misc : 5.02g/5mL/MSVOA F/SOIL  
ALS Vial : 94 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
2018-NYSEG-CLARK-AREA-14-7

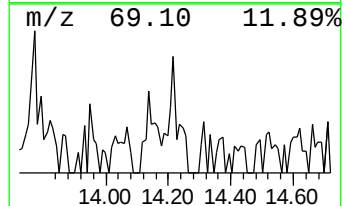
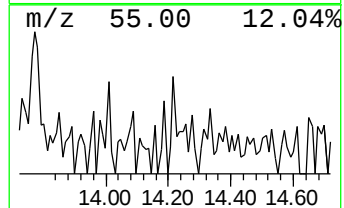
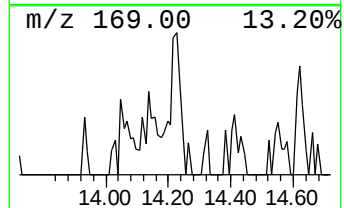
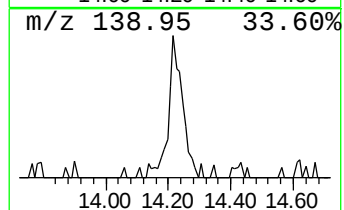
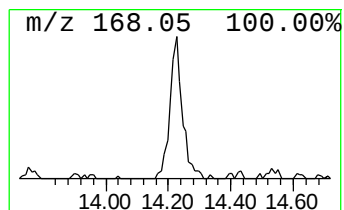
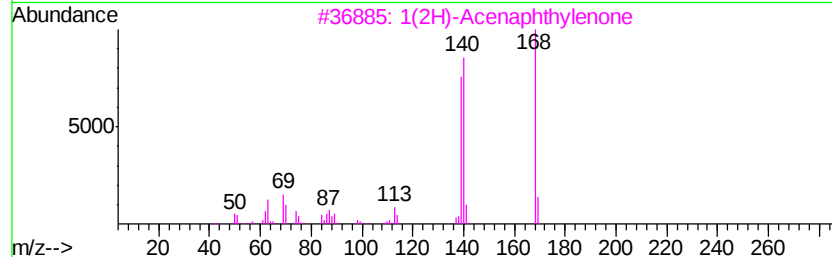
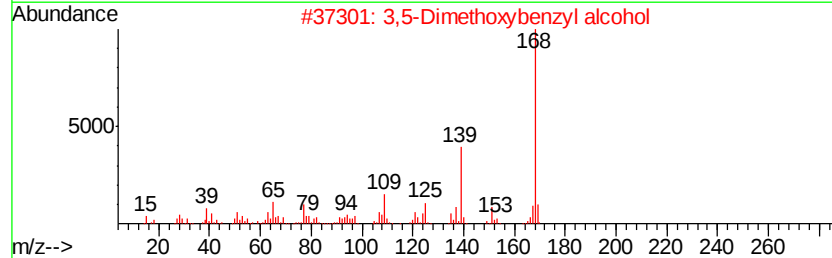
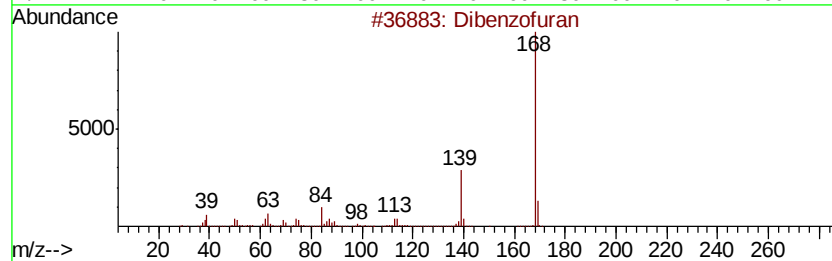
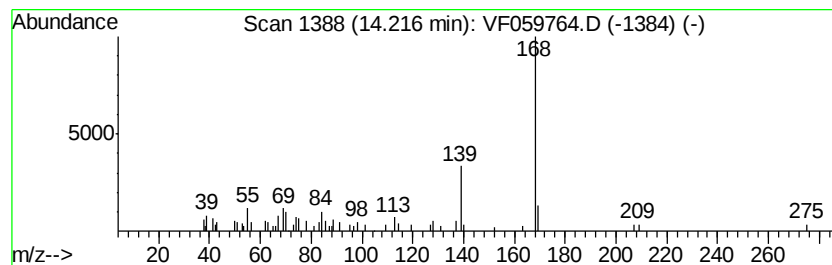
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F073018S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 5 3,5-Dimethoxybenzyl alcohol Concentration Rank 6

| R.T.  | EstConc   | Area  | Relative to ISTD       | R.T.  |
|-------|-----------|-------|------------------------|-------|
| 14.22 | 7.30 ug/l | 51135 | 1,4-Dichlorobenzene-d4 | 12.63 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Dibenzofuran                | 168 | C12H8O  | 000132-64-9 | 83   |
| 2    |    | 3,5-Dimethoxybenzyl alcohol | 168 | C9H12O3 | 000705-76-0 | 64   |
| 3    |    | 1(2H)-Acenaphthylene        | 168 | C12H8O  | 002235-15-6 | 53   |
| 4    |    | 9H-Pyrido[3,4-b]indole      | 168 | C11H8N2 | 000244-63-3 | 53   |
| 5    |    | 1,1'-Biphenyl, 2-methyl-    | 168 | C13H12  | 000643-58-3 | 50   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080118\  
Data File : VF059764.D  
Acq On : 1 Aug 2018 19:17  
Operator : VA/AP  
Sample : J4231-13  
Misc : 5.02a/5mL/MSVOA F/SOIL  
ALS Vial : 94 Sample Multiplier: 1

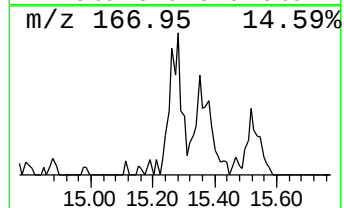
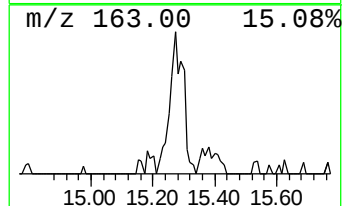
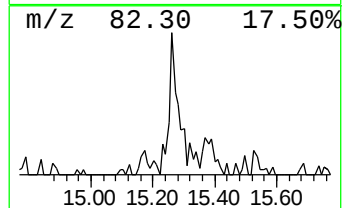
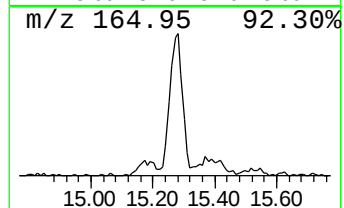
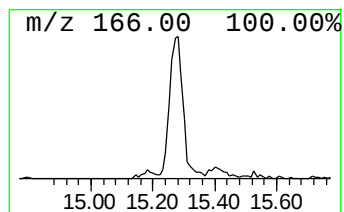
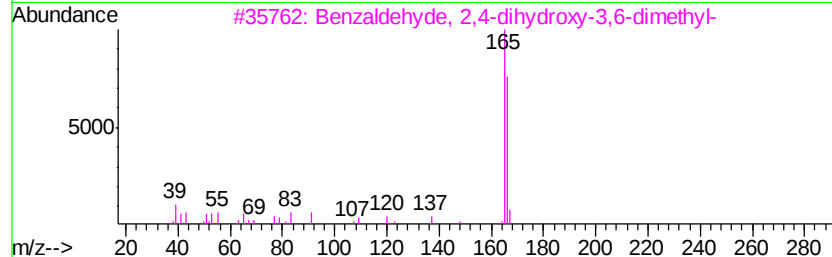
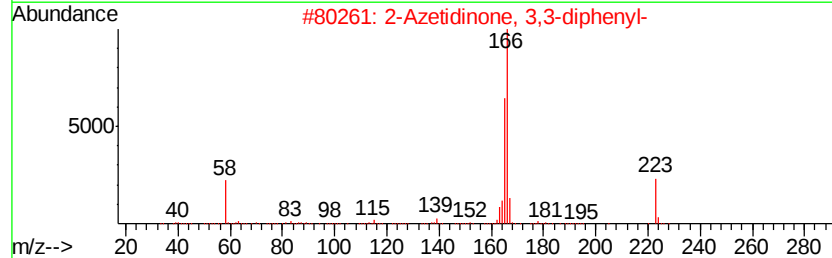
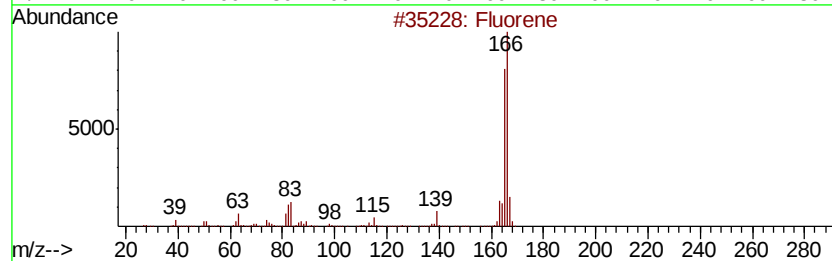
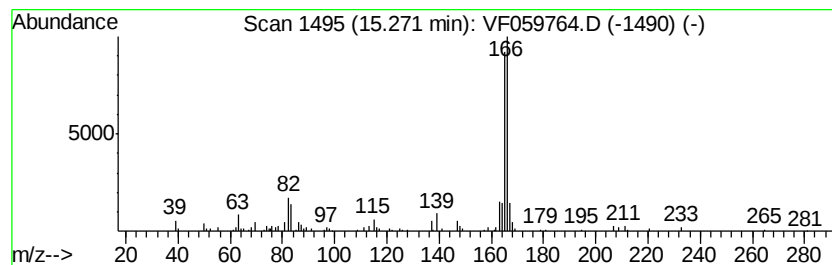
Instrument :  
MSVOA\_F  
ClientSampleId :  
2018-NYSEG-CLARK-AREA-14-7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F073018S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 6 2-Azetidinone, 3,3-diphenyl- Concentration Rank 2

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.           |
|---------|-------------------------------------|--------------|------------------------|----------------|
| 15.27   | 15.91 ug/l                          | 111382       | 1,4-Dichlorobenzene-d4 | 12.63          |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual      |
| 1       | Fluorene                            |              | 166 C13H10             | 000086-73-7 95 |
| 2       | 2-Azetidinone, 3,3-diphenyl-        |              | 223 C15H13NO           | 015826-12-7 78 |
| 3       | Benzaldehyde, 2,4-dihydroxy-3,6-... |              | 166 C9H10O3            | 034883-14-2 64 |
| 4       | Ethionamide                         |              | 166 C8H10N2S           | 000536-33-4 64 |
| 5       | Fluorene-9-methanol                 |              | 196 C14H12O            | 024324-17-2 53 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080118\  
Data File : VF059764.D  
Acq On : 1 Aug 2018 19:17  
Operator : VA/AP  
Sample : J4231-13  
Misc : 5.02g/5mL/MSVOA F/SOIL  
ALS Vial : 94 Sample Multiplier: 1

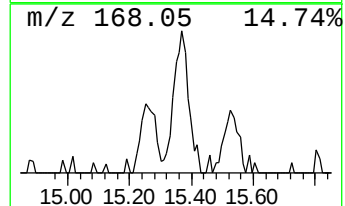
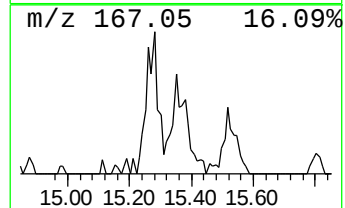
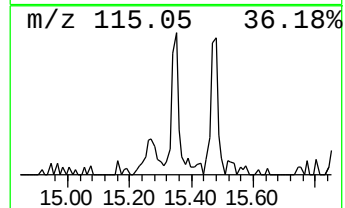
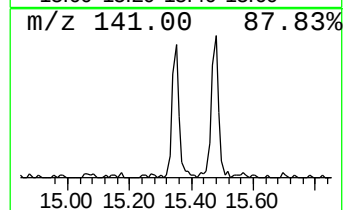
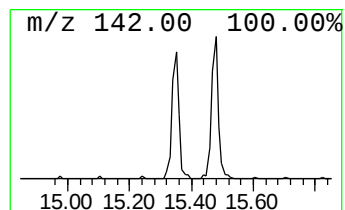
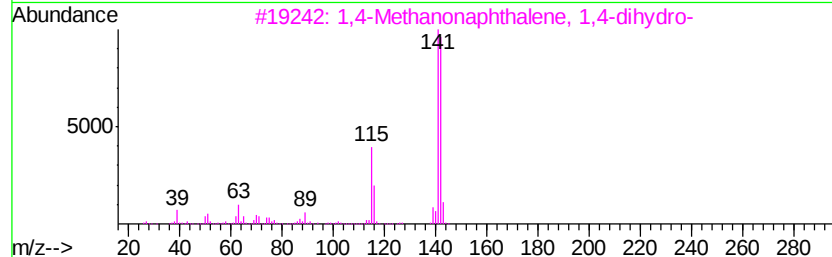
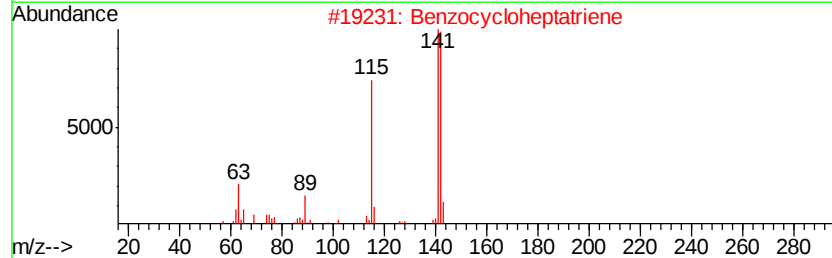
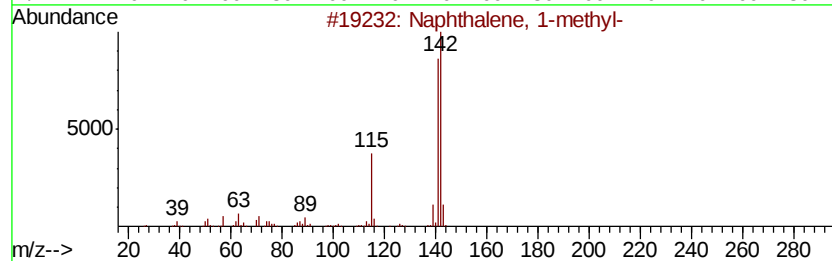
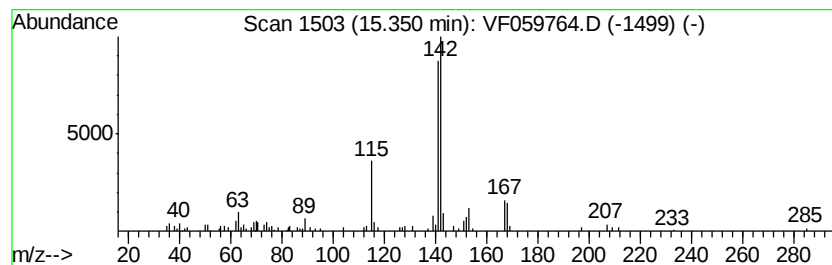
Instrument :  
MSVOA\_F  
ClientSampleId :  
2018-NYSEG-CLARK-AREA-14-7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F073018S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 3

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.           |
|---------|------------|-------------------------------------|------------------------|----------------|
| 15.35   | 11.03 ug/l | 77244                               | 1,4-Dichlorobenzene-d4 | 12.63          |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |            | Naphthalene, 1-methyl-              | 142 C11H10             | 000090-12-0 81 |
| 2       |            | Benzocycloheptatriene               | 142 C11H10             | 000264-09-5 81 |
| 3       |            | 1,4-Methanonaphthalene, 1,4-dihv... | 142 C11H10             | 004453-90-1 81 |
| 4       |            | 1H-Indene, 1-ethylidene-            | 142 C11H10             | 002471-83-2 74 |
| 5       |            | Bicyclo[4.4.1]undeca-1,3,5,7,9-p... | 142 C11H10             | 002443-46-1 74 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080118\  
Data File : VF059764.D  
Acq On : 1 Aug 2018 19:17  
Operator : VA/AP  
Sample : J4231-13  
Misc : 5.02g/5mL/MSVOA F/SOIL  
ALS Vial : 94 Sample Multiplier: 1

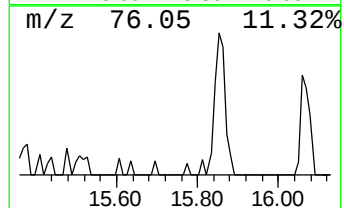
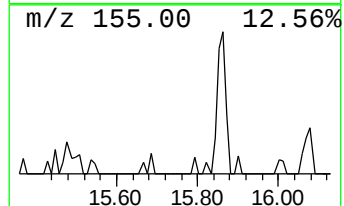
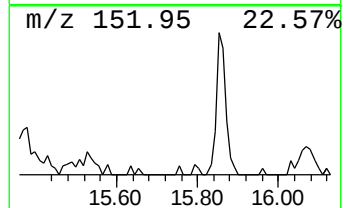
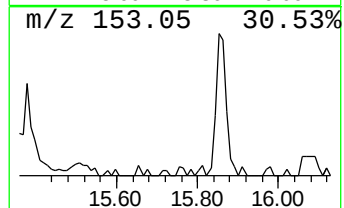
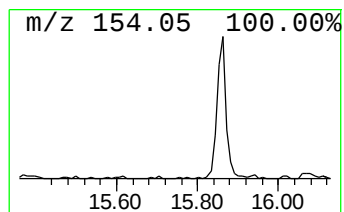
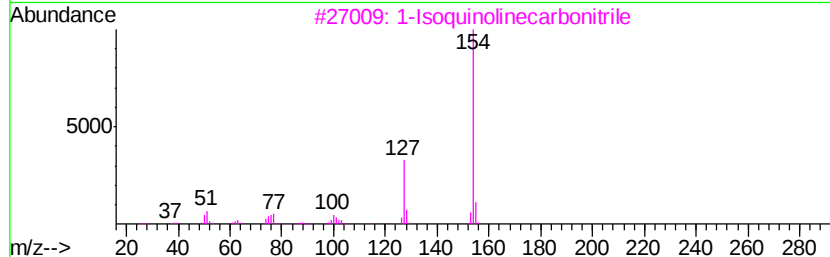
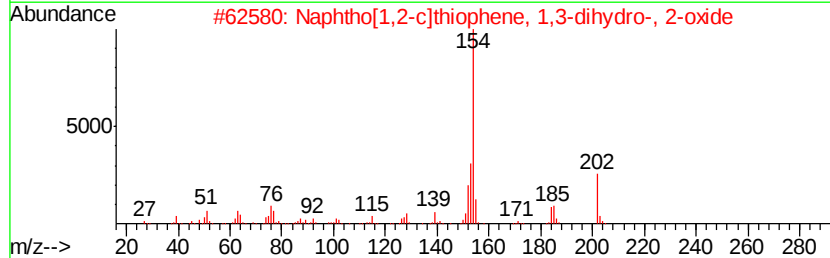
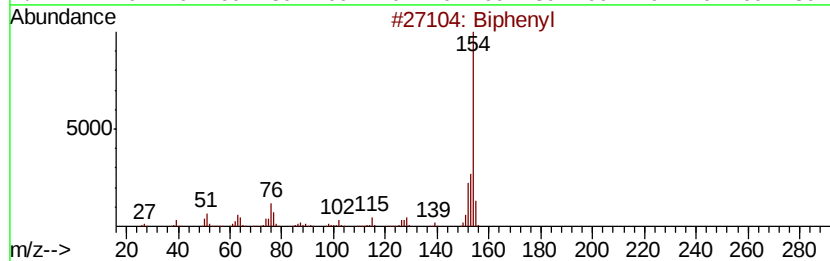
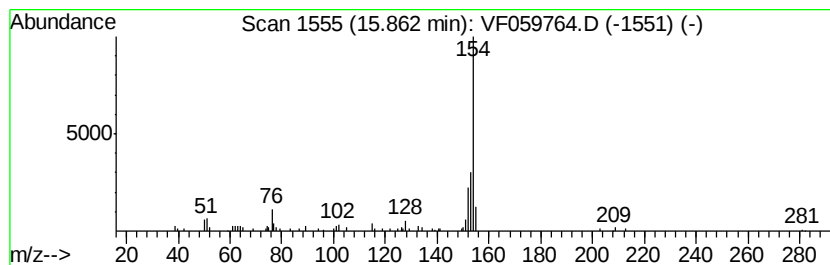
Instrument :  
MSVOA\_F  
ClientSampleId :  
2018-NYSEG-CLARK-AREA-14-7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F073018S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 9 Biphenyl Concentration Rank 5

| R.T.      | EstConc                             | Area  | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|-------|------------------------|-------------|------|
| 15.86     | 7.62 ug/l                           | 53371 | 1,4-Dichlorobenzene-d4 | 12.63       |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm                | CAS#        | Qual |
| 1         | Biphenyl                            | 154   | C12H10                 | 000092-52-4 | 83   |
| 2         | Naphtho[1,2-c]thiophene, 1,3-dih... | 202   | C12H10OS               | 031739-49-8 | 64   |
| 3         | 1-Isoquinolinecarbonitrile          | 154   | C10H6N2                | 001198-30-7 | 50   |
| 4         | 6-Cvanoquinoline                    | 154   | C10H6N2                | 023395-72-4 | 50   |
| 5         | Naphthalene, 2-ethenyl-             | 154   | C12H10                 | 000827-54-3 | 43   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080118\  
Data File : VF059764.D  
Acq On : 1 Aug 2018 19:17  
Operator : VA/AP  
Sample : J4231-13  
Misc : 5.02g/5mL/MSVOA F/SOIL  
ALS Vial : 94 Sample Multiplier: 1

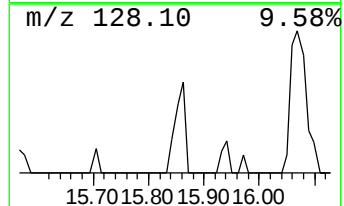
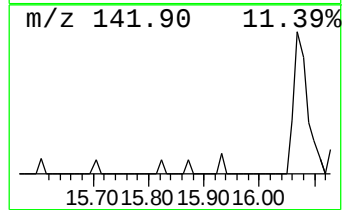
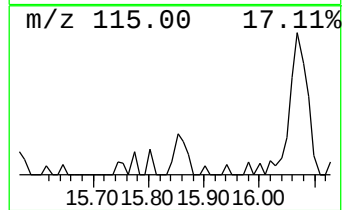
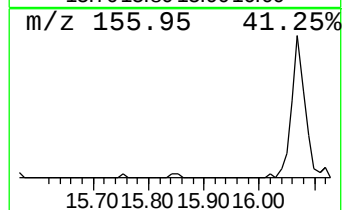
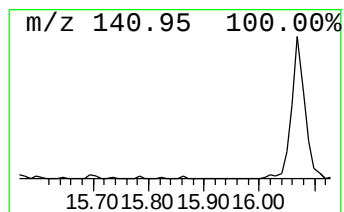
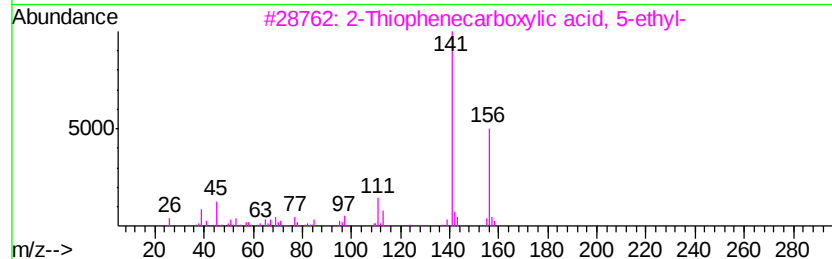
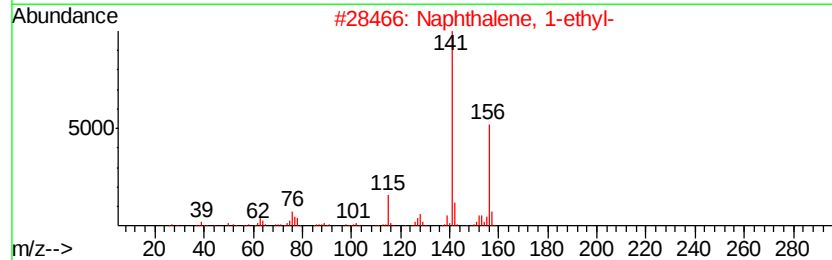
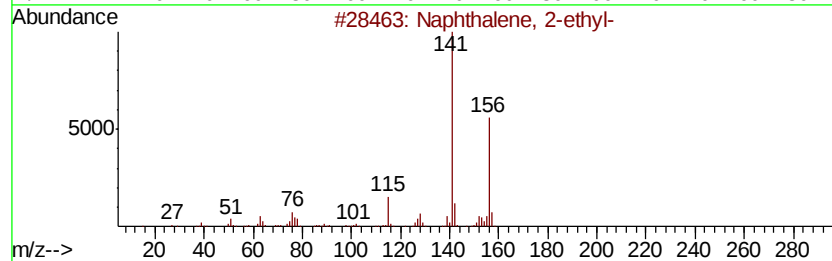
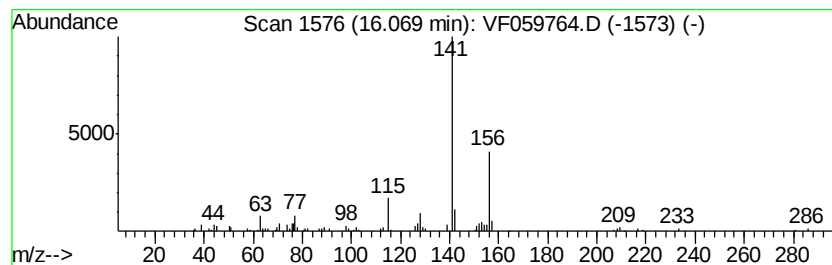
Instrument :  
MSVOA\_F  
ClientSampleId :  
2018-NYSEG-CLARK-AREA-14-7

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F073018S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 10 Naphthalene, 2-ethyl- Concentration Rank 7

| R.T.    | EstConc   | Area                                | Relative to ISTD       | R.T.           |
|---------|-----------|-------------------------------------|------------------------|----------------|
| 16.07   | 6.68 ug/l | 46770                               | 1,4-Dichlorobenzene-d4 | 12.63          |
| Hit# of | 5         | Tentative ID                        | MW MolForm             | CAS# Qual      |
| 1       |           | Naphthalene, 2-ethyl-               | 156 C12H12             | 000939-27-5 94 |
| 2       |           | Naphthalene, 1-ethyl-               | 156 C12H12             | 001127-76-0 94 |
| 3       |           | 2-Thiophenecarboxylic acid, 5-et... | 156 C7H8O2S            | 023229-72-3 80 |
| 4       |           | 3',4'-Difluoroacetophenone          | 156 C8H6F2O            | 000369-33-5 72 |
| 5       |           | Butethal                            | 212 C10H16N2O3         | 000077-28-1 72 |



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_F\DATA\VF080118\  
Data File : VF059764.D  
Acq On : 1 Aug 2018 19:17  
Operator : VA/AP  
Sample : J4231-13  
Misc : 5.02g/5mL/MSVOA\_F/SOIL  
ALS Vial : 94 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
2018-NYSEG-CLARK-AREA-14-7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F073018S.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 |
| unknown13.56         | 13.56 | 5.0     | ug/l  | 35301    | 4                     | 12.63 | 350035 | 50.0 |
| unknown13.77         | 13.77 | 8.4     | ug/l  | 59137    | 4                     | 12.63 | 350035 | 50.0 |
| .beta.-(2,2-Dimet... | 13.92 | 5.3     | ug/l  | 37456    | 4                     | 12.63 | 350035 | 50.0 |
| 3,5-Dimethoxybenz... | 14.22 | 7.3     | ug/l  | 51135    | 4                     | 12.63 | 350035 | 50.0 |
| 2-Azetidinone, 3,... | 15.27 | 15.9    | ug/l  | 111382   | 4                     | 12.63 | 350035 | 50.0 |
| Naphthalene, 1-me... | 15.35 | 11.0    | ug/l  | 77244    | 4                     | 12.63 | 350035 | 50.0 |
| Biphenyl             | 15.86 | 7.6     | ug/l  | 53371    | 4                     | 12.63 | 350035 | 50.0 |
| Naphthalene, 2-et... | 16.07 | 6.7     | ug/l  | 46770    | 4                     | 12.63 | 350035 | 50.0 |