

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051519\  
 Data File : VF062613.D  
 Acq On : 15 May 2019 17:17  
 Operator : FY/SY  
 Sample : K2770-04  
 Misc : 4.40g/5mL/MSVOA F/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 SOIL-DRUM

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\82F051419S.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         | 1.149       | 56            | 62          | 65           | rBV5     | 17407          | 61475         | 2.50%           | 0.272%        |
| 2         | 2.361       | 181           | 185         | 189          | rVB2     | 32347          | 82173         | 3.34%           | 0.364%        |
| 3         | 3.091       | 257           | 259         | 268          | rVB      | 33368          | 71772         | 2.92%           | 0.318%        |
| 4         | 4.224       | 368           | 374         | 377          | rBV2     | 9576           | 27369         | 1.11%           | 0.121%        |
| 5         | 4.313       | 377           | 383         | 393          | rVB      | 344937         | 1045233       | 42.46%          | 4.627%        |
| 6         | 5.062       | 450           | 459         | 470          | rBV2     | 703379         | 2372280       | 96.36%          | 10.501%       |
| 7         | 5.782       | 525           | 532         | 543          | rBV      | 937437         | 2461874       | 100.00%         | 10.897%       |
| 8         | 7.162       | 670           | 672         | 677          | rVB5     | 11691          | 29563         | 1.20%           | 0.131%        |
| 9         | 7.714       | 723           | 728         | 740          | rBV      | 756497         | 1812608       | 73.63%          | 8.023%        |
| 10        | 9.192       | 875           | 878         | 883          | rVB      | 18527          | 28076         | 1.14%           | 0.124%        |
| 11        | 9.922       | 946           | 952         | 958          | rBV      | 898702         | 2046082       | 83.11%          | 9.057%        |
| 12        | 11.499      | 1108          | 1112        | 1119         | rBV      | 590237         | 963664        | 39.14%          | 4.266%        |
| 13        | 12.613      | 1222          | 1225        | 1235         | rVB      | 901003         | 1375686       | 55.88%          | 6.089%        |
| 14        | 12.869      | 1246          | 1251        | 1253         | rBV2     | 22919          | 39930         | 1.62%           | 0.177%        |
| 15        | 13.066      | 1268          | 1271        | 1275         | rVB6     | 12198          | 25813         | 1.05%           | 0.114%        |
| 16        | 13.253      | 1288          | 1290        | 1293         | rBV4     | 18588          | 28080         | 1.14%           | 0.124%        |
| 17        | 13.382      | 1301          | 1303        | 1305         | rVV3     | 18343          | 25371         | 1.03%           | 0.112%        |
| 18        | 13.431      | 1305          | 1308        | 1310         | rVB4     | 31428          | 42176         | 1.71%           | 0.187%        |
| 19        | 13.470      | 1310          | 1312        | 1316         | rVB5     | 10917          | 26034         | 1.06%           | 0.115%        |
| 20        | 13.529      | 1316          | 1318        | 1321         | rVB2     | 27224          | 28652         | 1.16%           | 0.127%        |
| 21        | 13.628      | 1324          | 1328        | 1330         | rBV5     | 31126          | 52332         | 2.13%           | 0.232%        |
| 22        | 13.746      | 1338          | 1340        | 1348         | rVB      | 170730         | 300385        | 12.20%          | 1.330%        |
| 23        | 13.884      | 1348          | 1354        | 1359         | rBV3     | 163552         | 382870        | 15.55%          | 1.695%        |
| 24        | 13.953      | 1359          | 1361        | 1364         | rVB4     | 74519          | 123306        | 5.01%           | 0.546%        |
| 25        | 13.993      | 1364          | 1365        | 1369         | rVB      | 42390          | 56052         | 2.28%           | 0.248%        |
| 26        | 14.081      | 1372          | 1374        | 1375         | rBV2     | 25707          | 30143         | 1.22%           | 0.133%        |
| 27        | 14.190      | 1378          | 1385        | 1389         | rBV8     | 128431         | 531470        | 21.59%          | 2.353%        |
| 28        | 14.269      | 1389          | 1393        | 1395         | rBV4     | 75025          | 198985        | 8.08%           | 0.881%        |
| 29        | 14.308      | 1395          | 1397        | 1398         | rVB      | 47065          | 43317         | 1.76%           | 0.192%        |
| 30        | 14.338      | 1398          | 1400        | 1403         | rBV2     | 164686         | 212459        | 8.63%           | 0.940%        |
| 31        | 14.397      | 1403          | 1406        | 1408         | rBV3     | 45102          | 72882         | 2.96%           | 0.323%        |
| 32        | 14.495      | 1411          | 1416        | 1418         | rBV      | 454941         | 714649        | 29.03%          | 3.163%        |
| 33        | 14.535      | 1418          | 1420        | 1421         | rBV2     | 59372          | 99354         | 4.04%           | 0.440%        |
| 34        | 14.594      | 1423          | 1426        | 1428         | rVV3     | 92033          | 125244        | 5.09%           | 0.554%        |

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ClientSampleId :  
SOIL-DRUM

## 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\82F051419S.M  
Title : SW846 8260

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 35 | 14.643 | 1429 | 1431 | 1433 | rVB2 | 92455  | 113886  | 4.63%  | 0.504% |
| 36 | 14.771 | 1441 | 1444 | 1446 | rVB3 | 126949 | 188186  | 7.64%  | 0.833% |
| 37 | 14.860 | 1448 | 1453 | 1454 | rBV3 | 123250 | 254162  | 10.32% | 1.125% |
| 38 | 14.900 | 1454 | 1457 | 1459 | rVV3 | 253769 | 454959  | 18.48% | 2.014% |
| 39 | 14.978 | 1463 | 1465 | 1467 | rVB2 | 132180 | 167606  | 6.81%  | 0.742% |
| 40 | 15.038 | 1467 | 1471 | 1478 | rBV2 | 359187 | 878499  | 35.68% | 3.889% |
| 41 | 15.146 | 1479 | 1482 | 1484 | rBV  | 887262 | 1250382 | 50.79% | 5.535% |
| 42 | 15.195 | 1484 | 1487 | 1490 | rVV3 | 217007 | 544850  | 22.13% | 2.412% |
| 43 | 15.274 | 1493 | 1495 | 1497 | rBV2 | 83101  | 83913   | 3.41%  | 0.371% |
| 44 | 15.383 | 1501 | 1506 | 1510 | rBV5 | 342146 | 923295  | 37.50% | 4.087% |
| 45 | 15.530 | 1519 | 1521 | 1523 | rBV3 | 76088  | 128843  | 5.23%  | 0.570% |
| 46 | 15.599 | 1526 | 1528 | 1530 | rVV2 | 126228 | 179306  | 7.28%  | 0.794% |
| 47 | 15.629 | 1530 | 1531 | 1533 | rVV2 | 117995 | 119664  | 4.86%  | 0.530% |
| 48 | 15.678 | 1533 | 1536 | 1541 | rVB2 | 390070 | 788190  | 32.02% | 3.489% |
| 49 | 15.747 | 1541 | 1543 | 1547 | rVB2 | 147194 | 237205  | 9.64%  | 1.050% |
| 50 | 15.816 | 1548 | 1550 | 1552 | rBV  | 78025  | 95440   | 3.88%  | 0.422% |
| 51 | 15.856 | 1552 | 1554 | 1558 | rVB4 | 164525 | 291148  | 11.83% | 1.289% |
| 52 | 15.974 | 1563 | 1566 | 1568 | rBV3 | 96172  | 202019  | 8.21%  | 0.894% |
| 53 | 16.013 | 1568 | 1570 | 1572 | rBV  | 90798  | 152568  | 6.20%  | 0.675% |

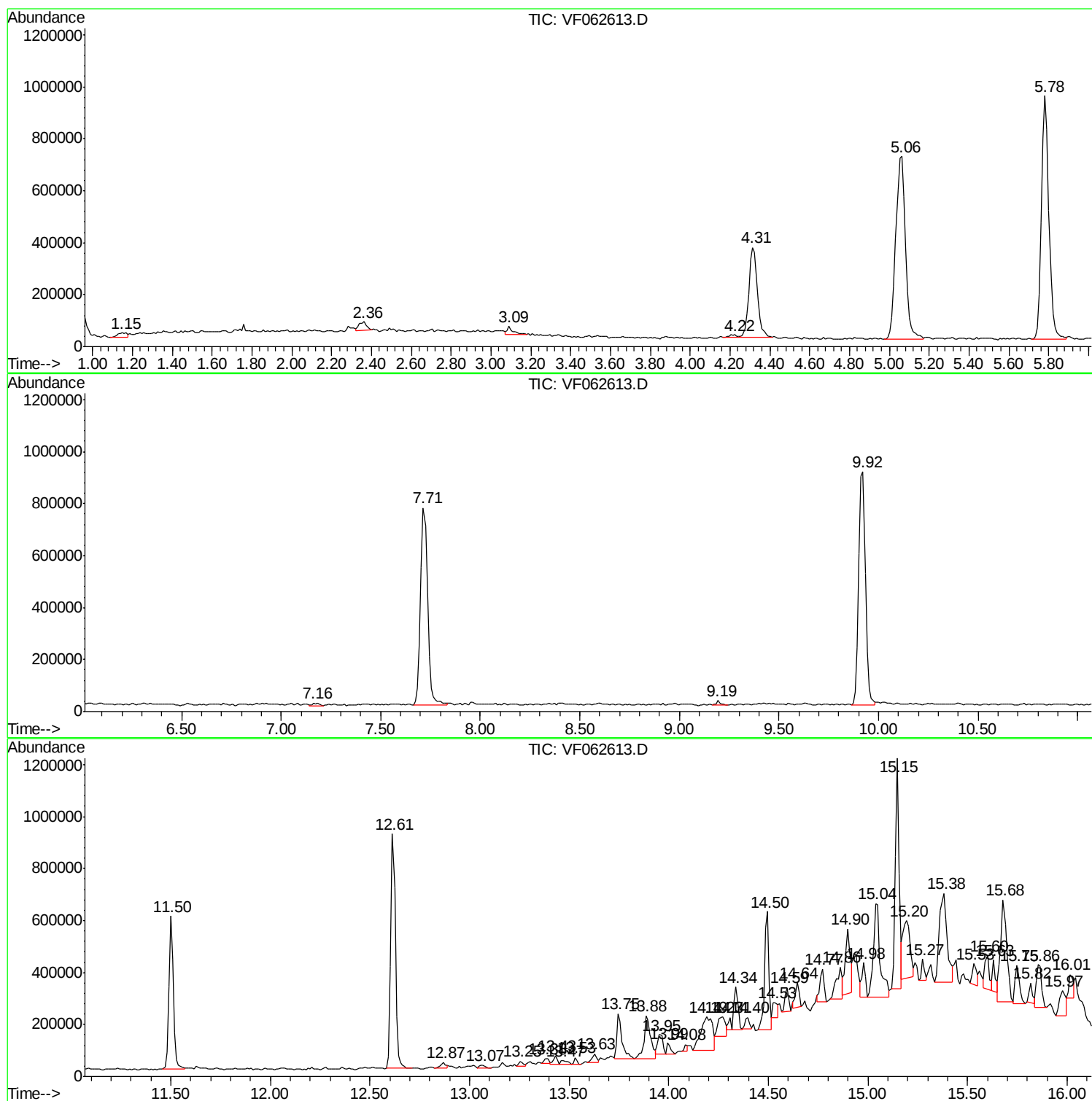
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F051419S.M  
Quant Title : SW846 8260

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



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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
SOIL-DRUM

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F051419S.M  
Quant Title : SW846 8260

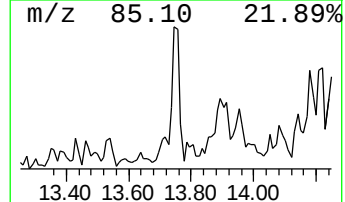
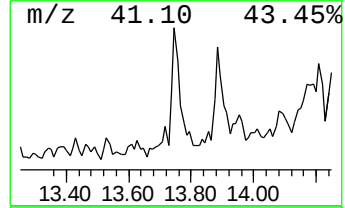
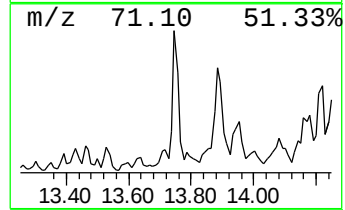
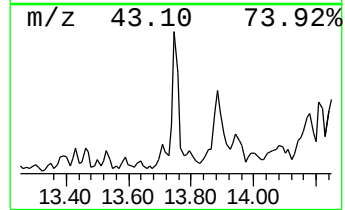
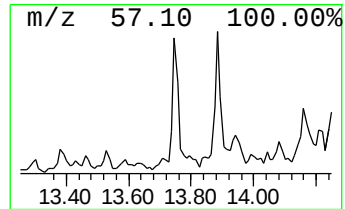
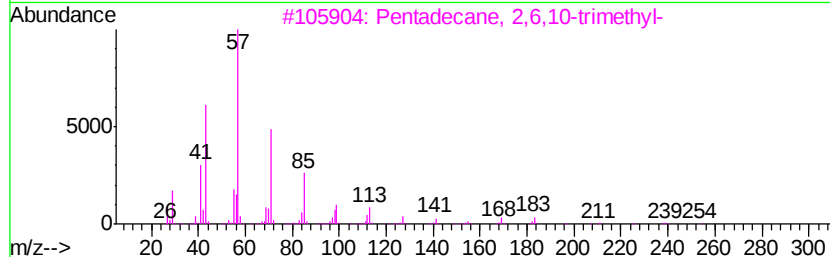
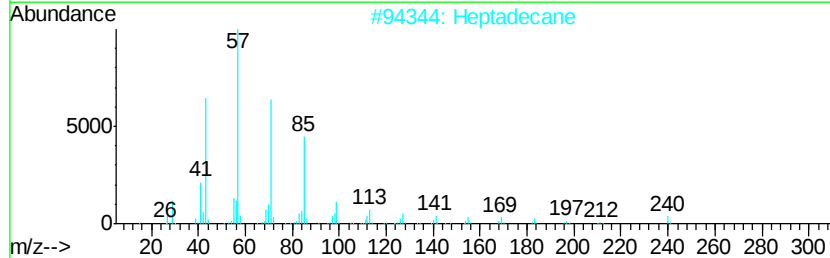
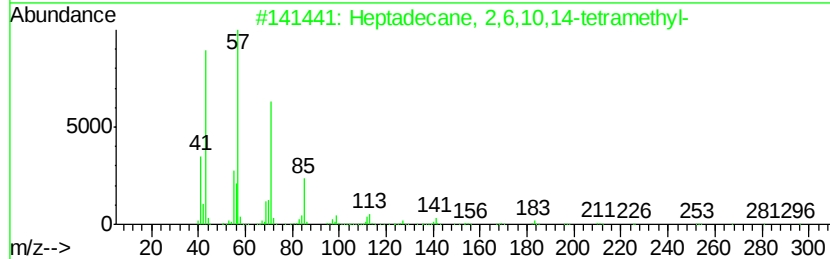
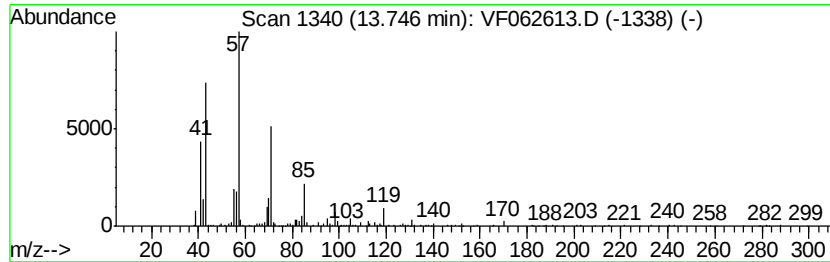
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Heptadecane, 2,6,10,14-tetr... Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 13.75 | 10.92 ug/l | 300385 | 1,4-Dichlorobenzene-d4 | 12.61 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 2,6,10,14-tetramethyl- | 296 | C21H44  | 018344-37-1 | 59   |
| 2    |    | Heptadecane                         | 240 | C17H36  | 000629-78-7 | 53   |
| 3    |    | Pentadecane, 2,6,10-trimethyl-      | 254 | C18H38  | 003892-00-0 | 53   |
| 4    |    | Decane, 2,3,5,8-tetramethyl-        | 198 | C14H30  | 192823-15-7 | 50   |
| 5    |    | Octane, 2,3,3-trimethyl-            | 156 | C11H24  | 062016-30-2 | 50   |



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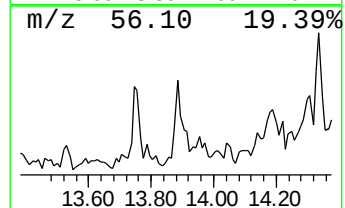
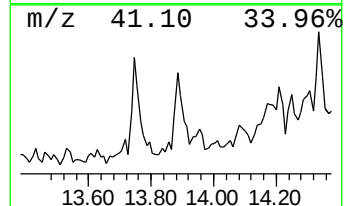
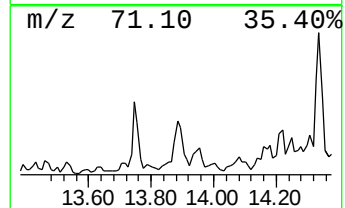
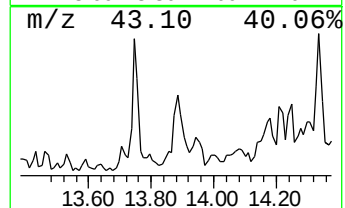
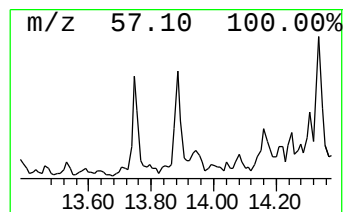
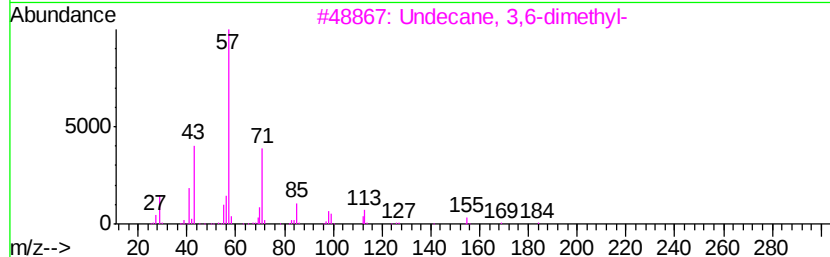
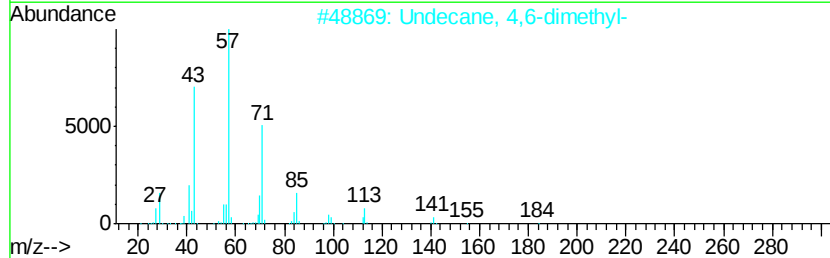
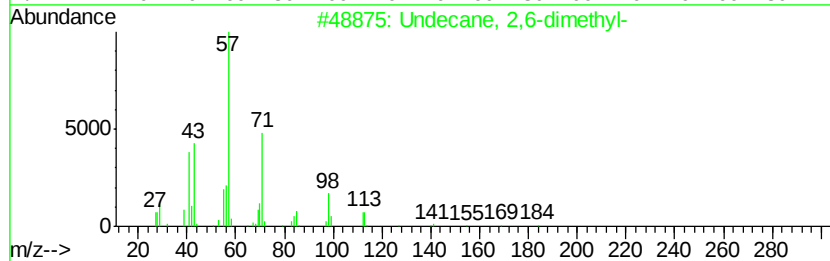
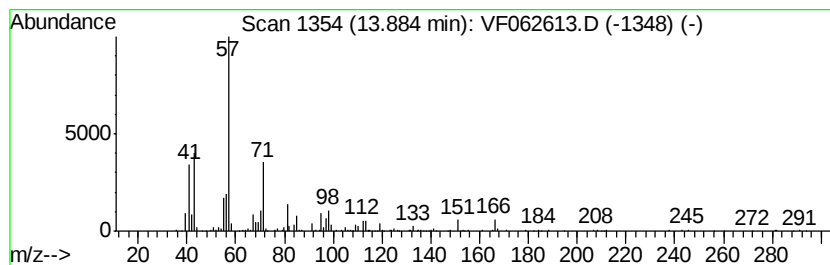
Instrument :  
MSVOA\_F  
ClientSampleId :  
SOIL-DRUM

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F051419S.M  
Quant Title : SW846 8260

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

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Peak Number 2 Undecane, 2,6-dimethyl- Concentration Rank 9

| R.T.    | EstConc                  | Area         | Relative to ISTD       | R.T.        |      |      |
|---------|--------------------------|--------------|------------------------|-------------|------|------|
| 13.88   | 13.92 ug/l               | 382870       | 1,4-Dichlorobenzene-d4 | 12.61       |      |      |
| Hit# of | 5                        | Tentative ID | MW                     | MolForm     | CAS# | Qual |
| 1       | Undecane, 2,6-dimethyl-  | 184          | C13H28                 | 017301-23-4 | 55   |      |
| 2       | Undecane, 4,6-dimethyl-  | 184          | C13H28                 | 017312-82-2 | 55   |      |
| 3       | Undecane, 3,6-dimethyl-  | 184          | C13H28                 | 017301-28-9 | 53   |      |
| 4       | Decane, 2,6,8-trimethyl- | 184          | C13H28                 | 062108-26-3 | 53   |      |
| 5       | Dodecane, 6-methyl-      | 184          | C13H28                 | 006044-71-9 | 53   |      |



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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F051419S.M  
Quant Title : SW846 8260

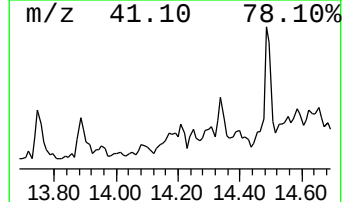
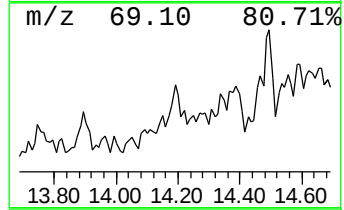
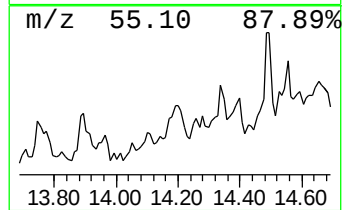
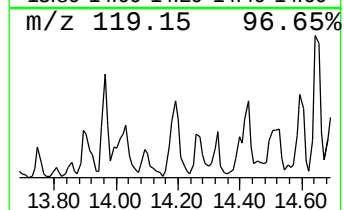
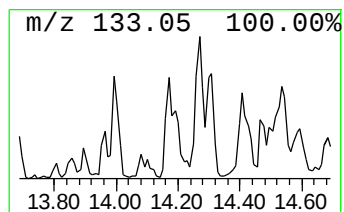
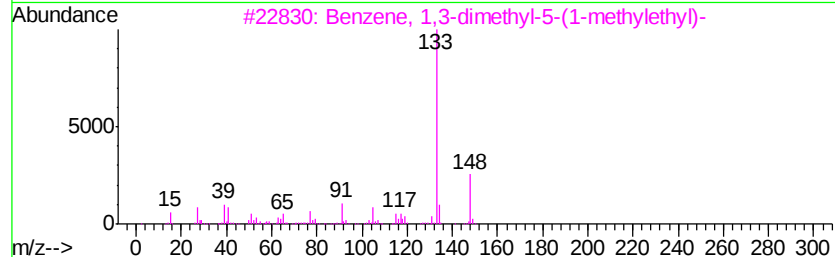
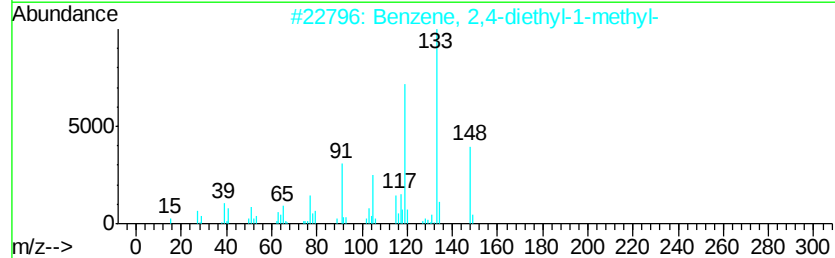
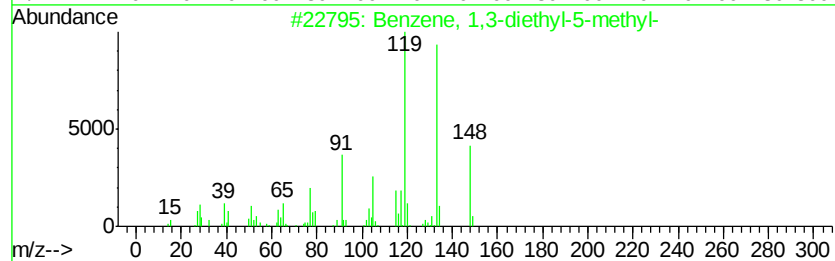
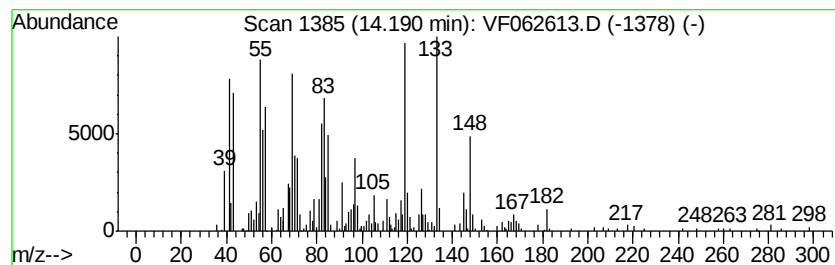
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.19 | 19.32 ug/l | 531470 | 1,4-Dichlorobenzene-d4 | 12.61 |

| Hit# | of | Tentative ID                          | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,3-diethyl-5-methyl-        | 148 | C11H16  | 002050-24-0 | 64   |
| 2    |    | Benzene, 2,4-diethyl-1-methyl-        | 148 | C11H16  | 001758-85-6 | 53   |
| 3    |    | Benzene, 1,3-dimethyl-5-(1-methyl-... | 148 | C11H16  | 004706-90-5 | 35   |
| 4    |    | Cyclotetradecane                      | 196 | C14H28  | 000295-17-0 | 35   |
| 5    |    | 3-Octadecene, (E)-                    | 252 | C18H36  | 007206-19-1 | 35   |



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SOIL-DRUM

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Quant Title : SW846 8260

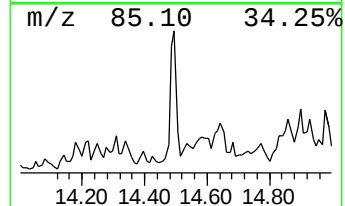
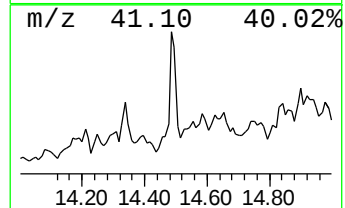
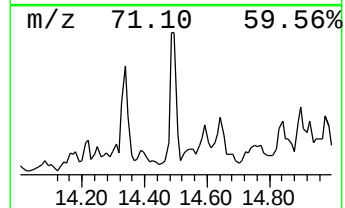
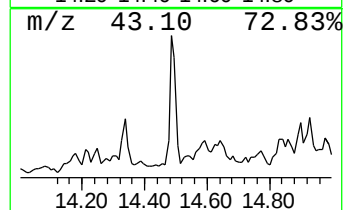
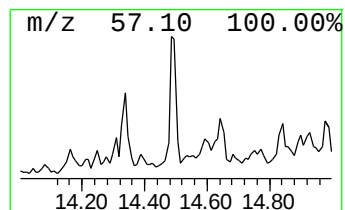
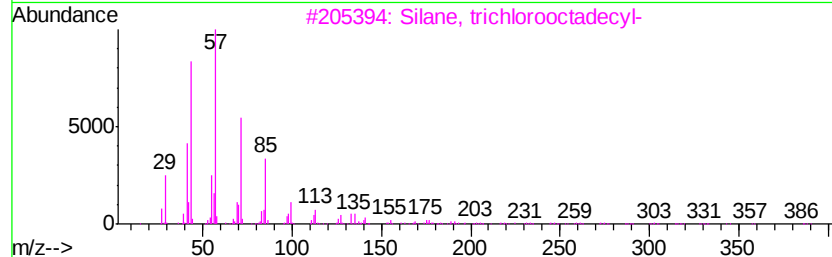
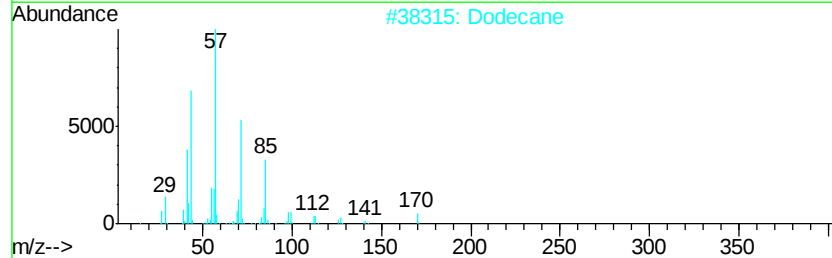
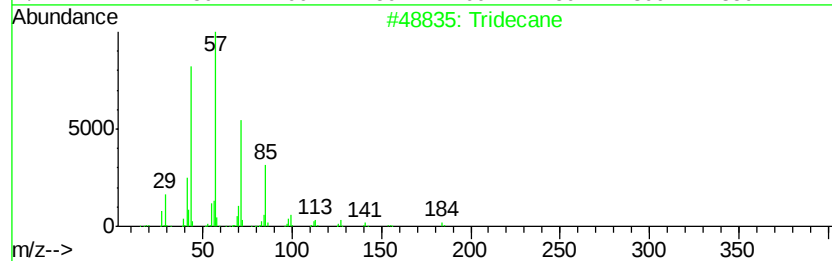
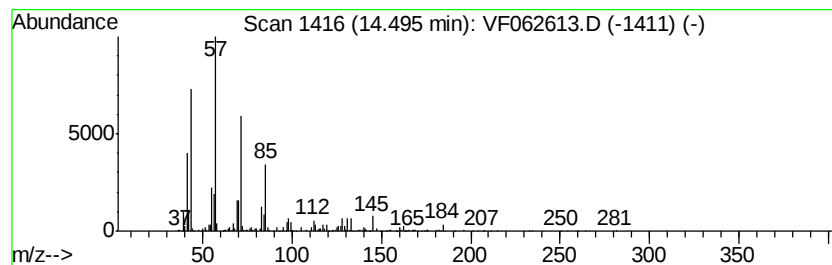
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Tridecane Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.50 | 25.97 ug/l | 714649 | 1,4-Dichlorobenzene-d4 | 12.61 |

| Hit# of | 5                              | Tentative ID | MW  | MolForm     | CAS#        | Qual |
|---------|--------------------------------|--------------|-----|-------------|-------------|------|
| 1       | Tridecane                      |              | 184 | C13H28      | 000629-50-5 | 81   |
| 2       | Dodecane                       |              | 170 | C12H26      | 000112-40-3 | 64   |
| 3       | Silane, trichlorooctadecyl-    |              | 386 | C18H37Cl3Si | 000112-04-9 | 64   |
| 4       | Tetradecane                    |              | 198 | C14H30      | 000629-59-4 | 59   |
| 5       | Pentadecane, 2,6,10-trimethyl- |              | 254 | C18H38      | 003892-00-0 | 58   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051519\  
Data File : VF062613.D  
Acq On : 15 May 2019 17:17  
Operator : FY/SY  
Sample : K2770-04  
Misc : 4.40g/5mL/MSVOA F/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
SOIL-DRUM

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F051419S.M  
Quant Title : SW846 8260

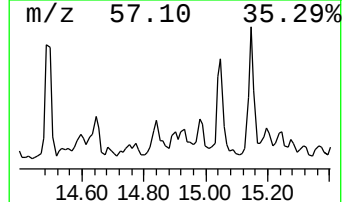
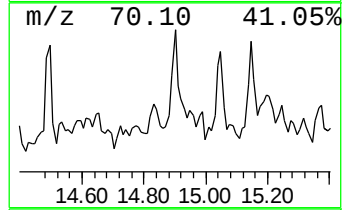
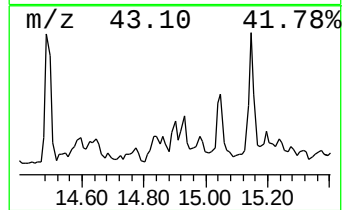
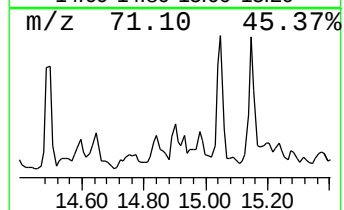
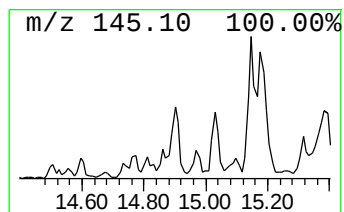
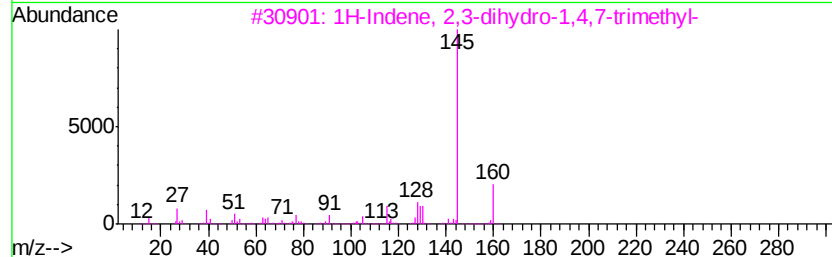
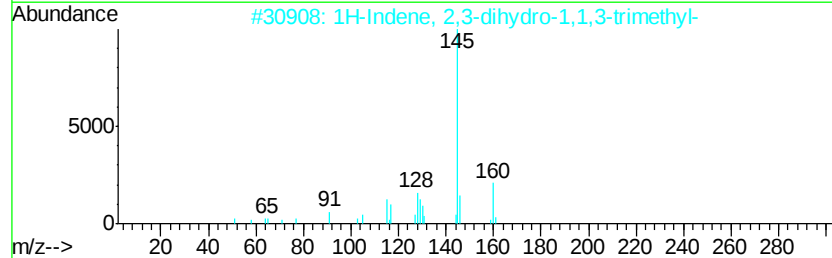
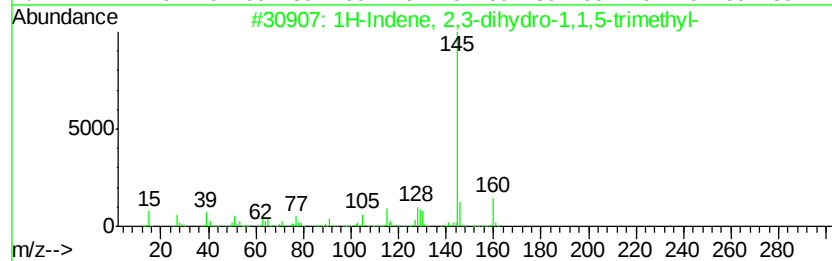
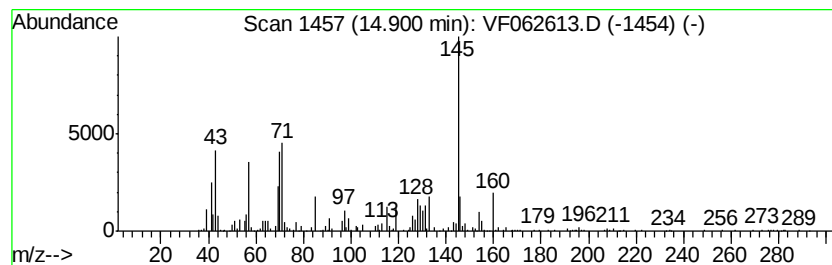
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 14.90 | 16.54 ug/l | 454959 | 1,4-Dichlorobenzene-d4 | 12.61 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1H-Indene, 2,3-dihydro-1,1,5-tri... | 160 | C12H16  | 040650-41-7 | 55   |
| 2    |    | 1H-Indene, 2,3-dihydro-1,1,3-tri... | 160 | C12H16  | 002613-76-5 | 55   |
| 3    |    | 1H-Indene, 2,3-dihydro-1,4,7-tri... | 160 | C12H16  | 054340-87-3 | 50   |
| 4    |    | 1H-Indene, 2,3-dihydro-1,1,6-tri... | 160 | C12H16  | 014276-95-0 | 50   |
| 5    |    | 1H-Indene, 2,3-dihydro-1,1,4-tri... | 160 | C12H16  | 016204-72-1 | 50   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051519\  
Data File : VF062613.D  
Acq On : 15 May 2019 17:17  
Operator : FY/SY  
Sample : K2770-04  
Misc : 4.40q/5mL/MSVOA F/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
SOIL-DRUM

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F051419S.M  
Quant Title : SW846 8260

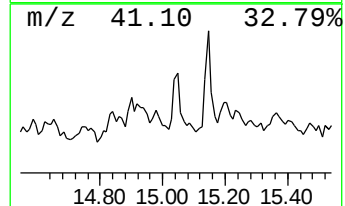
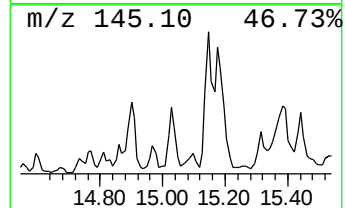
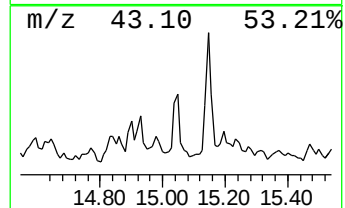
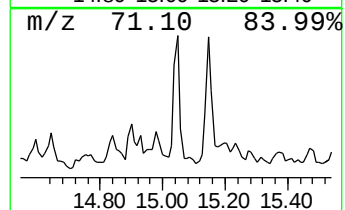
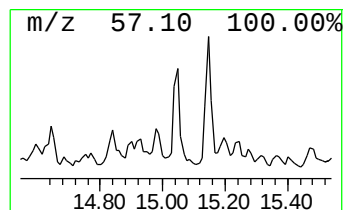
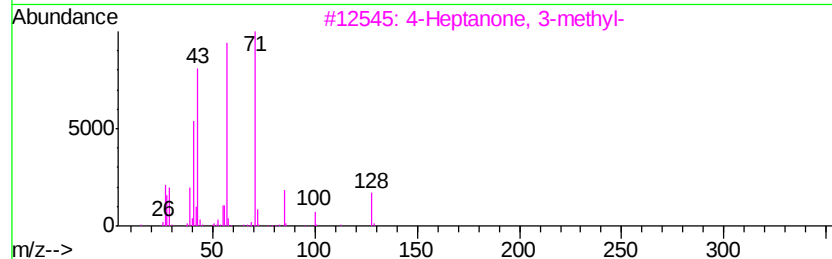
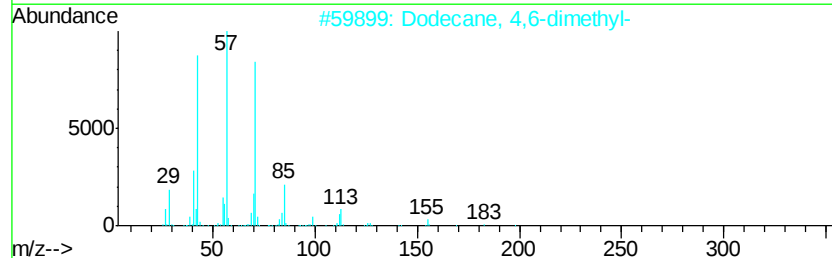
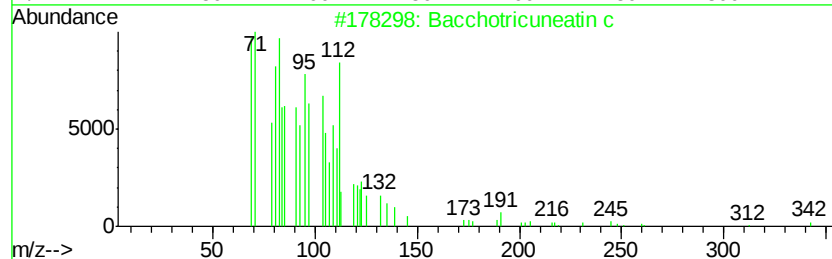
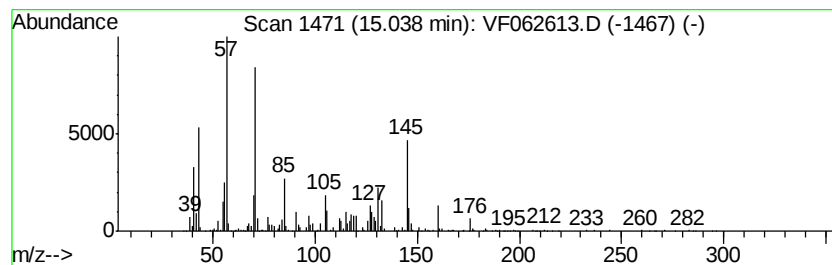
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Bacchotricuneatin c Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.04 | 31.93 ug/l | 878499 | 1,4-Dichlorobenzene-d4 | 12.61 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|---------|---|-------------------------------------|-----|----------|--------------|------|
| 1       |   | Bacchotricuneatin c                 | 342 | C20H22O5 | 066563-30-2  | 95   |
| 2       |   | Dodecane, 4,6-dimethyl-             | 198 | C14H30   | 061141-72-8  | 41   |
| 3       |   | 4-Heptanone, 3-methyl-              | 128 | C8H16O   | 015726-15-5  | 38   |
| 4       |   | Oxalic acid, isobutyl neopentyl ... | 216 | C11H20O4 | 1000309-72-6 | 38   |
| 5       |   | Decane, 5-ethyl-5-methyl-           | 184 | C13H28   | 017312-74-2  | 38   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051519\  
Data File : VF062613.D  
Acq On : 15 May 2019 17:17  
Operator : FY/SY  
Sample : K2770-04  
Misc : 4.40q/5mL/MSVOA F/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
SOIL-DRUM

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F051419S.M  
Quant Title : SW846 8260

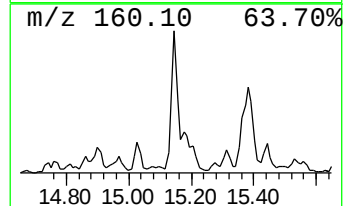
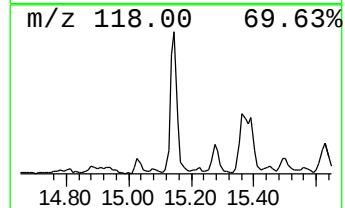
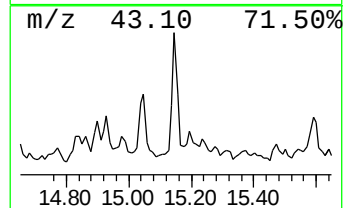
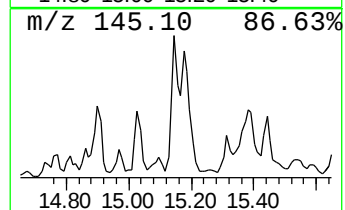
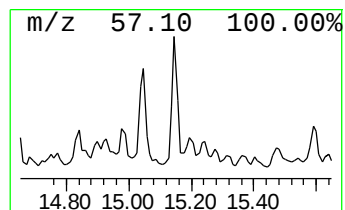
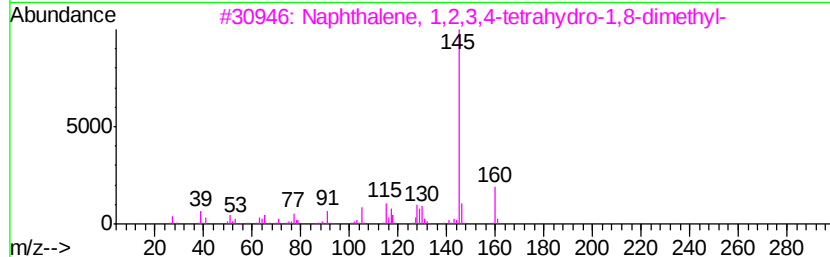
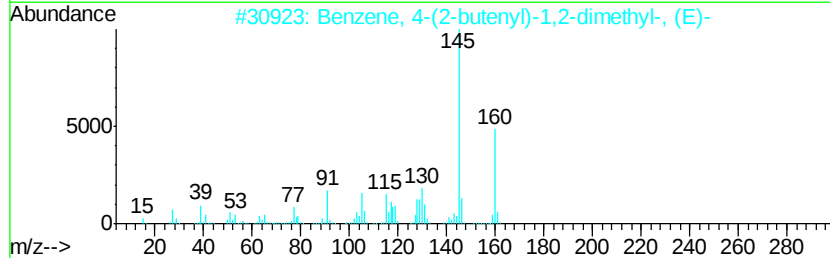
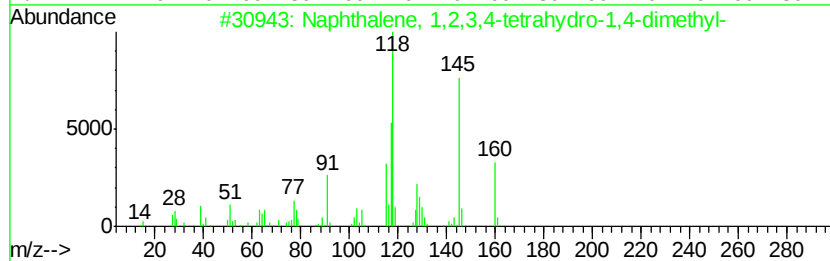
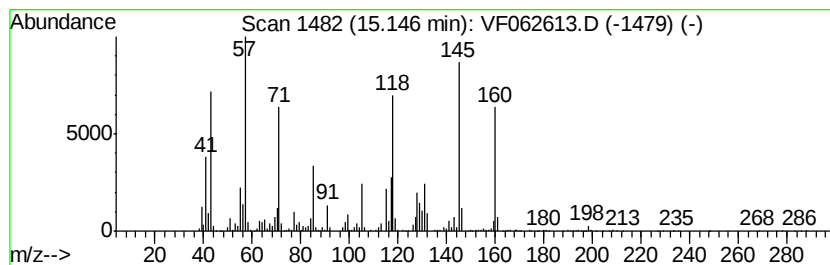
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Naphthalene, 1,2,3,4-tetra... Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD       | R.T.  |
|-------|------------|---------|------------------------|-------|
| 15.15 | 45.45 ug/l | 1250380 | 1,4-Dichlorobenzene-d4 | 12.61 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 004175-54-6 | 92   |
| 2    |    | Benzene, 4-(2-butenyl)-1,2-dimet... | 160 | C12H16  | 054340-86-2 | 78   |
| 3    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 025419-33-4 | 60   |
| 4    |    | Benzene, 1-(2-butenyl)-2,3-dimet... | 160 | C12H16  | 054340-85-1 | 55   |
| 5    |    | Benzene, 1-(1-methylethenyl)-3-(... | 160 | C12H16  | 001129-29-9 | 50   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051519\  
Data File : VF062613.D  
Acq On : 15 May 2019 17:17  
Operator : FY/SY  
Sample : K2770-04  
Misc : 4.40q/5mL/MSVOA F/SOIL  
ALS Vial : 13 Sample Multiplier: 1

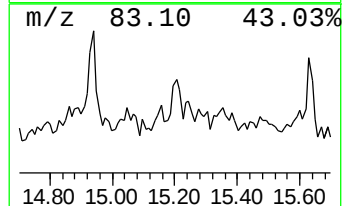
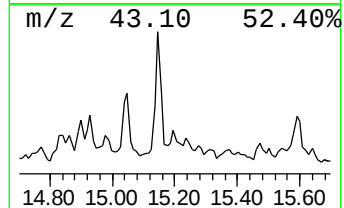
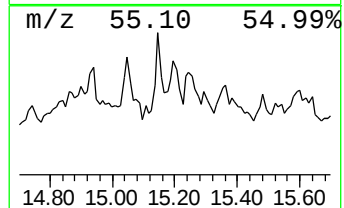
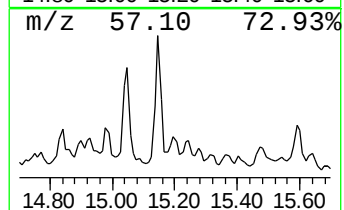
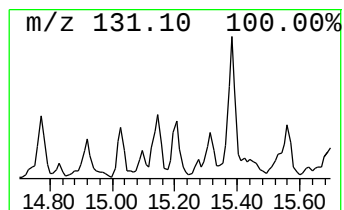
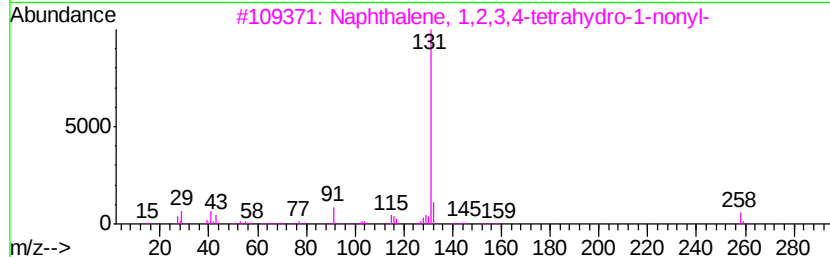
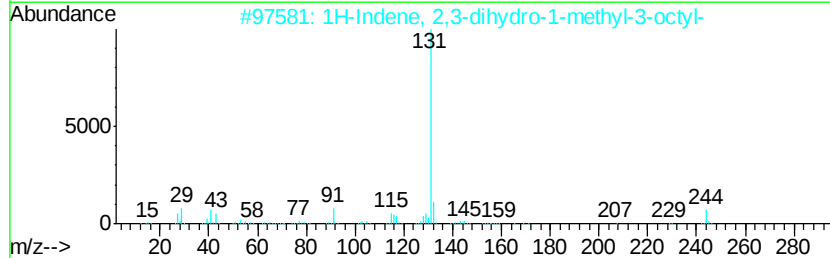
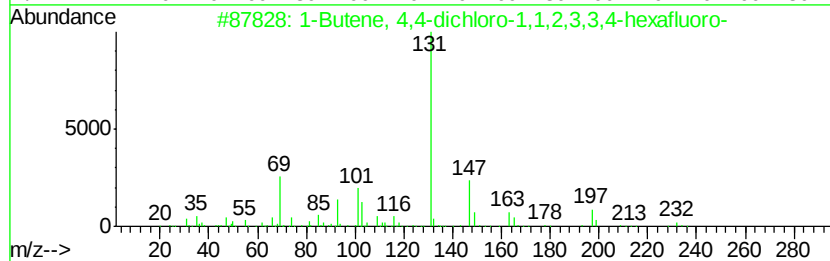
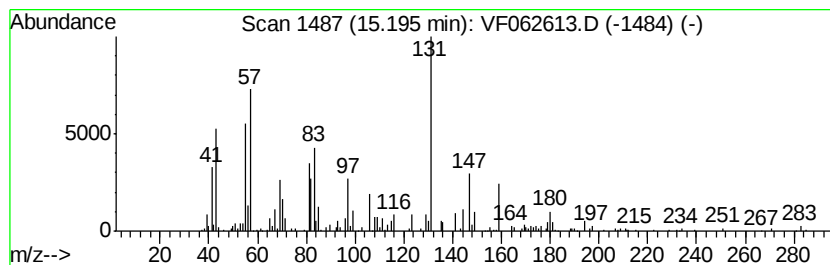
Instrument :  
MSVOA\_F  
ClientSampleId :  
SOIL-DRUM

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F051419S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 8 1-Butene, 4,4-dichloro-1,1,... Concentration Rank 6

| R.T.    | EstConc                             | Area         | Relative to ISTD       | R.T.      |
|---------|-------------------------------------|--------------|------------------------|-----------|
| 15.20   | 19.80 ug/l                          | 544850       | 1,4-Dichlorobenzene-d4 | 12.61     |
| Hit# of | 5                                   | Tentative ID | MW MolForm             | CAS# Qual |
| 1       | 1-Butene, 4,4-dichloro-1,1,2,3,3... | 232 C4Cl2F6  | 000357-24-4            | 35        |
| 2       | 1H-Indene, 2,3-dihydro-1-methyl-... | 244 C18H28   | 029138-84-9            | 12        |
| 3       | Naphthalene, 1,2,3,4-tetrahydro-... | 258 C19H30   | 033425-49-9            | 12        |
| 4       | Naphthalene, 1,2,3,4-tetrahydro-... | 174 C13H18   | 066324-83-2            | 12        |
| 5       | Naphthalene, 1-decyl-1,2,3,4-tet... | 272 C20H32   | 055255-57-7            | 12        |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051519\  
Data File : VF062613.D  
Acq On : 15 May 2019 17:17  
Operator : FY/SY  
Sample : K2770-04  
Misc : 4.40g/5mL/MSVOA F/SOIL  
ALS Vial : 13 Sample Multiplier: 1

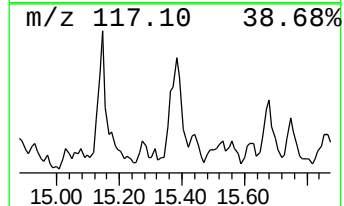
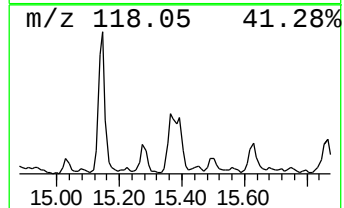
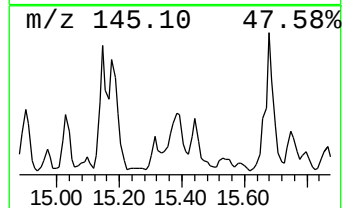
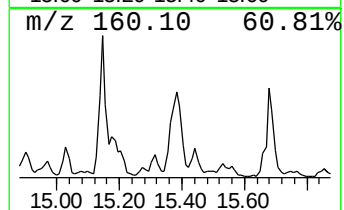
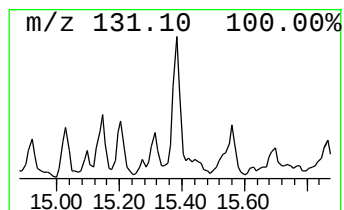
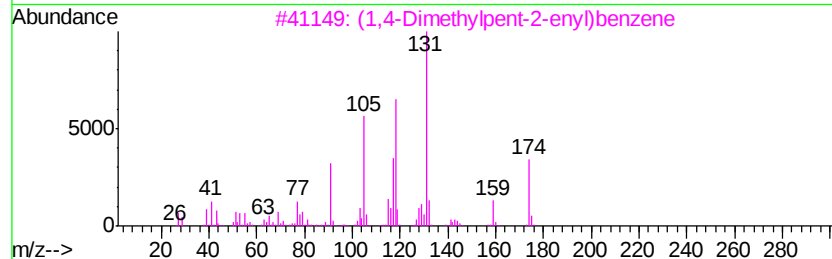
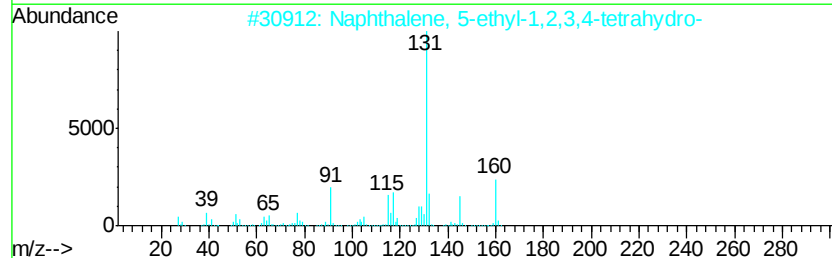
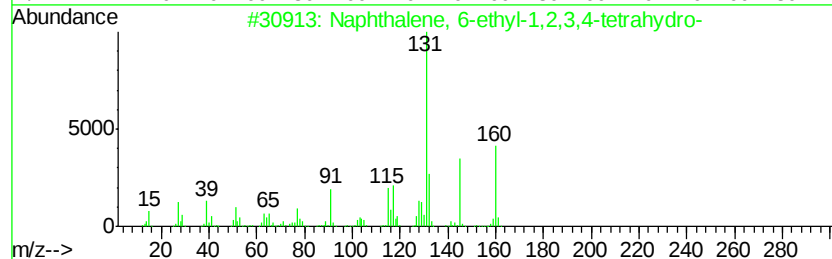
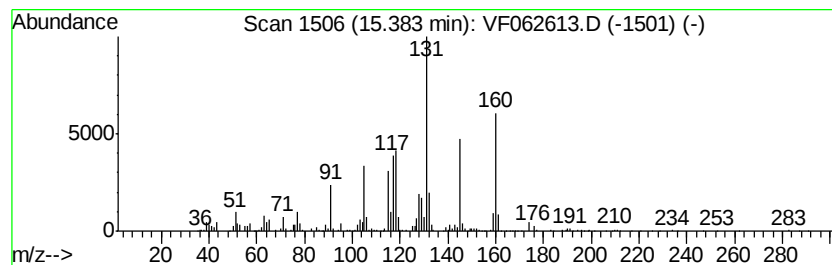
Instrument :  
MSVOA\_F  
ClientSampleId :  
SOIL-DRUM

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F051419S.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 9 Naphthalene, 6-ethyl-1,2,3,... Concentration Rank 2

| R.T.    | EstConc    | Area                                | Relative to ISTD       | R.T.            |
|---------|------------|-------------------------------------|------------------------|-----------------|
| 15.38   | 33.56 ug/l | 923295                              | 1,4-Dichlorobenzene-d4 | 12.61           |
| Hit# of | 5          | Tentative ID                        | MW MolForm             | CAS# Qual       |
| 1       |            | Naphthalene, 6-ethyl-1,2,3,4-tet... | 160 C12H16             | 022531-20-0 86  |
| 2       |            | Naphthalene, 5-ethyl-1,2,3,4-tet... | 160 C12H16             | 042775-75-7 83  |
| 3       |            | (1,4-Dimethylpent-2-enyl)benzene    | 174 C13H18             | 1000184-97-9 53 |
| 4       |            | 1H-Indene, 2,3-dihydro-4-propyl-    | 160 C12H16             | 092013-16-6 47  |
| 5       |            | 1H-Pyrrolo[2,3-b]pyridine, 2-n-p... | 160 C10H12N2           | 1000212-02-1 43 |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051519\  
Data File : VF062613.D  
Acq On : 15 May 2019 17:17  
Operator : FY/SY  
Sample : K2770-04  
Misc : 4.40q/5mL/MSVOA F/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
SOIL-DRUM

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F051419S.M  
Quant Title : SW846 8260

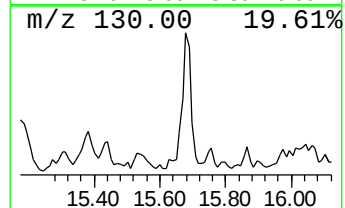
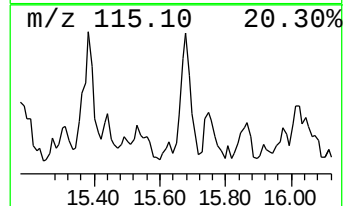
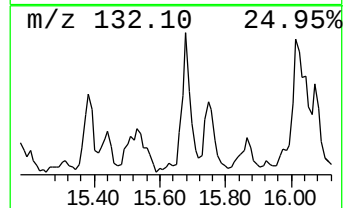
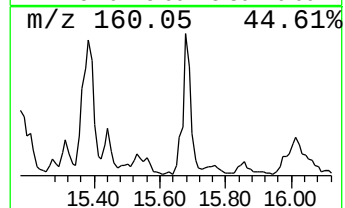
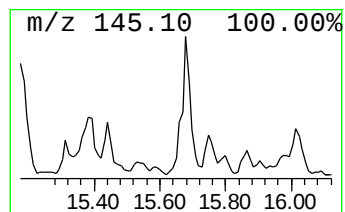
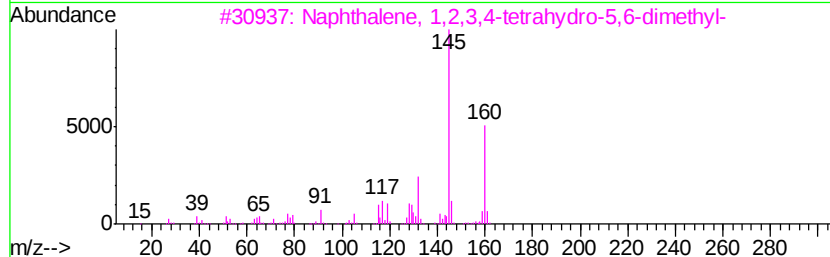
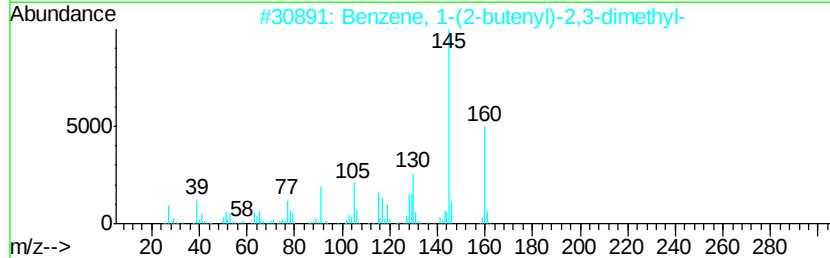
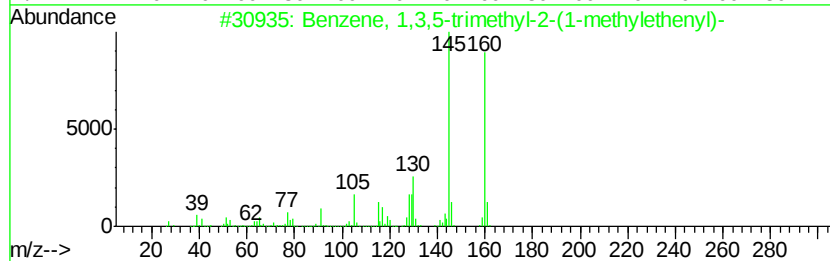
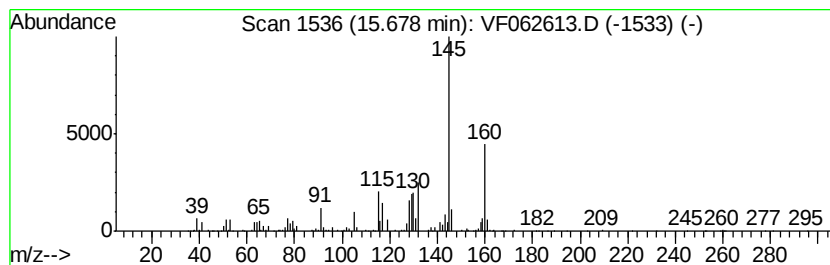
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD       | R.T.  |
|-------|------------|--------|------------------------|-------|
| 15.68 | 28.65 ug/l | 788190 | 1,4-Dichlorobenzene-d4 | 12.61 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,3,5-trimethyl-2-(1-me... | 160 | C12H16  | 014679-13-1 | 94   |
| 2    |    | Benzene, 1-(2-butenyl)-2,3-dimet... | 160 | C12H16  | 054340-85-1 | 93   |
| 3    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 020027-77-4 | 90   |
| 4    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 021693-54-9 | 90   |
| 5    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16  | 001076-61-5 | 90   |



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_F\DATA\VF051519\  
 Data File : VF062613.D  
 Acq On : 15 May 2019 17:17  
 Operator : FY/SY  
 Sample : K2770-04  
 Misc : 4.40g/5mL/MSVOA\_F/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 SOIL-DRUM

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F051419S.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 |
| Heptadecane, 2,6,... | 13.75 | 10.9    | ug/l  | 300385   | 4                     | 12.61 | 1375690 | 50.0 |
| Undecane, 2,6-dim... | 13.88 | 13.9    | ug/l  | 382870   | 4                     | 12.61 | 1375690 | 50.0 |
| Benzene, 1,3-diet... | 14.19 | 19.3    | ug/l  | 531470   | 4                     | 12.61 | 1375690 | 50.0 |
| Tridecane            | 14.50 | 26.0    | ug/l  | 714649   | 4                     | 12.61 | 1375690 | 50.0 |
| 1H-Indene, 2,3-di... | 14.90 | 16.5    | ug/l  | 454959   | 4                     | 12.61 | 1375690 | 50.0 |
| Bacchotricuneatin c  | 15.04 | 31.9    | ug/l  | 878499   | 4                     | 12.61 | 1375690 | 50.0 |
| Naphthalene, 1,2,... | 15.15 | 45.5    | ug/l  | 1250380  | 4                     | 12.61 | 1375690 | 50.0 |
| 1-Butene, 4,4-dic... | 15.20 | 19.8    | ug/l  | 544850   | 4                     | 12.61 | 1375690 | 50.0 |
| Naphthalene, 6-et... | 15.38 | 33.6    | ug/l  | 923295   | 4                     | 12.61 | 1375690 | 50.0 |
| Benzene, 1,3,5-tr... | 15.68 | 28.6    | ug/l  | 788190   | 4                     | 12.61 | 1375690 | 50.0 |