

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\  
 Data File : VD061263.D  
 Acq On : 22 Mar 2019 16:19  
 Operator : VA/AP  
 Sample : K1694-03  
 Misc : 6.78g/5ml/MSVOA D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EO-02-032019-B

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\_D\METHOD\82D030719S.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         | 1.568       | 14            | 15          | 22           | rVB      | 61445          | 125354        | 6.30%           | 0.865%        |
| 2         | 1.735       | 29            | 32          | 37           | rVB2     | 22499          | 43414         | 2.18%           | 0.299%        |
| 3         | 1.873       | 42            | 46          | 53           | rBV2     | 19005          | 36769         | 1.85%           | 0.254%        |
| 4         | 2.237       | 78            | 83          | 90           | rBV      | 26192          | 61380         | 3.09%           | 0.423%        |
| 5         | 2.395       | 94            | 99          | 103          | rVV3     | 10750          | 26982         | 1.36%           | 0.186%        |
| 6         | 2.680       | 122           | 128         | 132          | rBV3     | 13676          | 45180         | 2.27%           | 0.312%        |
| 7         | 2.907       | 148           | 151         | 156          | rVB2     | 11742          | 26658         | 1.34%           | 0.184%        |
| 8         | 3.261       | 182           | 187         | 193          | rBV      | 24573          | 67542         | 3.40%           | 0.466%        |
| 9         | 3.872       | 244           | 249         | 258          | rBV      | 94396          | 287244        | 14.45%          | 1.982%        |
| 10        | 4.767       | 335           | 340         | 347          | rBV      | 18008          | 57649         | 2.90%           | 0.398%        |
| 11        | 6.982       | 559           | 565         | 572          | rBV      | 405996         | 1214308       | 61.07%          | 8.377%        |
| 12        | 7.101       | 572           | 577         | 592          | rVB      | 516702         | 1574824       | 79.20%          | 10.864%       |
| 13        | 7.514       | 610           | 619         | 632          | rBV      | 266006         | 729387        | 36.68%          | 5.032%        |
| 14        | 8.272       | 690           | 696         | 710          | rBV      | 797600         | 1988325       | 100.00%         | 13.717%       |
| 15        | 8.912       | 757           | 761         | 766          | rBV3     | 11118          | 30044         | 1.51%           | 0.207%        |
| 16        | 10.457      | 912           | 918         | 926          | rBV      | 770018         | 1695687       | 85.28%          | 11.698%       |
| 17        | 11.275      | 996           | 1001        | 1004         | rBV2     | 10567          | 27478         | 1.38%           | 0.190%        |
| 18        | 12.397      | 1111          | 1115        | 1128         | rBV      | 1067021        | 1854983       | 93.29%          | 12.797%       |
| 19        | 13.076      | 1182          | 1184        | 1187         | rVB      | 25432          | 29776         | 1.50%           | 0.205%        |
| 20        | 13.578      | 1232          | 1235        | 1241         | rBV      | 847240         | 1348851       | 67.84%          | 9.305%        |
| 21        | 13.962      | 1271          | 1274        | 1276         | rBV      | 32340          | 49252         | 2.48%           | 0.340%        |
| 22        | 14.110      | 1286          | 1289        | 1292         | rBV      | 44836          | 53042         | 2.67%           | 0.366%        |
| 23        | 14.464      | 1322          | 1325        | 1327         | rBV      | 25585          | 28302         | 1.42%           | 0.195%        |
| 24        | 14.543      | 1330          | 1333        | 1336         | rVV      | 1248318        | 1591091       | 80.02%          | 10.976%       |
| 25        | 14.582      | 1336          | 1337        | 1340         | rVB      | 98620          | 89022         | 4.48%           | 0.614%        |
| 26        | 14.730      | 1349          | 1352        | 1353         | rBV2     | 38416          | 44788         | 2.25%           | 0.309%        |
| 27        | 14.759      | 1353          | 1355        | 1357         | rVB      | 31550          | 38508         | 1.94%           | 0.266%        |
| 28        | 14.799      | 1357          | 1359        | 1361         | rBV      | 68214          | 81431         | 4.10%           | 0.562%        |
| 29        | 14.937      | 1370          | 1373        | 1376         | rVB      | 48865          | 54027         | 2.72%           | 0.373%        |
| 30        | 15.074      | 1385          | 1387        | 1390         | rBV      | 46929          | 56619         | 2.85%           | 0.391%        |
| 31        | 15.163      | 1394          | 1396        | 1400         | rVB2     | 80566          | 124665        | 6.27%           | 0.860%        |
| 32        | 15.242      | 1400          | 1404        | 1407         | rVB3     | 16634          | 36510         | 1.84%           | 0.252%        |
| 33        | 15.291      | 1407          | 1409        | 1412         | rBV2     | 54280          | 78645         | 3.96%           | 0.543%        |
| 34        | 15.370      | 1415          | 1417        | 1418         | rVV      | 30605          | 34442         | 1.73%           | 0.238%        |

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Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EO-02-032019-B

## 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\82D030719S.M  
 Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 15.399 | 1418 | 1420 | 1423 | rVB  | 78719  | 92914  | 4.67%  | 0.641% |
| 36 | 15.449 | 1423 | 1425 | 1428 | rBV2 | 50435  | 77144  | 3.88%  | 0.532% |
| 37 | 15.488 | 1428 | 1429 | 1433 | rVV2 | 18504  | 30851  | 1.55%  | 0.213% |
| 38 | 15.557 | 1433 | 1436 | 1439 | rVV3 | 30091  | 63532  | 3.20%  | 0.438% |
| 39 | 15.606 | 1439 | 1441 | 1444 | rVV3 | 21621  | 34207  | 1.72%  | 0.236% |
| 40 | 15.645 | 1444 | 1445 | 1447 | rVV  | 18654  | 25875  | 1.30%  | 0.179% |
| 41 | 15.695 | 1447 | 1450 | 1452 | rVV  | 168237 | 226143 | 11.37% | 1.560% |
| 42 | 15.754 | 1455 | 1456 | 1459 | rVV2 | 22493  | 27942  | 1.41%  | 0.193% |
| 43 | 15.823 | 1459 | 1463 | 1466 | rVV2 | 57116  | 87530  | 4.40%  | 0.604% |
| 44 | 15.892 | 1466 | 1470 | 1471 | rVV3 | 12627  | 24310  | 1.22%  | 0.168% |
| 45 | 15.931 | 1471 | 1474 | 1475 | rVV2 | 33452  | 56037  | 2.82%  | 0.387% |
| 46 | 15.951 | 1475 | 1476 | 1478 | rVV2 | 37076  | 43869  | 2.21%  | 0.303% |
| 47 | 16.020 | 1478 | 1483 | 1485 | rVB3 | 32711  | 73179  | 3.68%  | 0.505% |

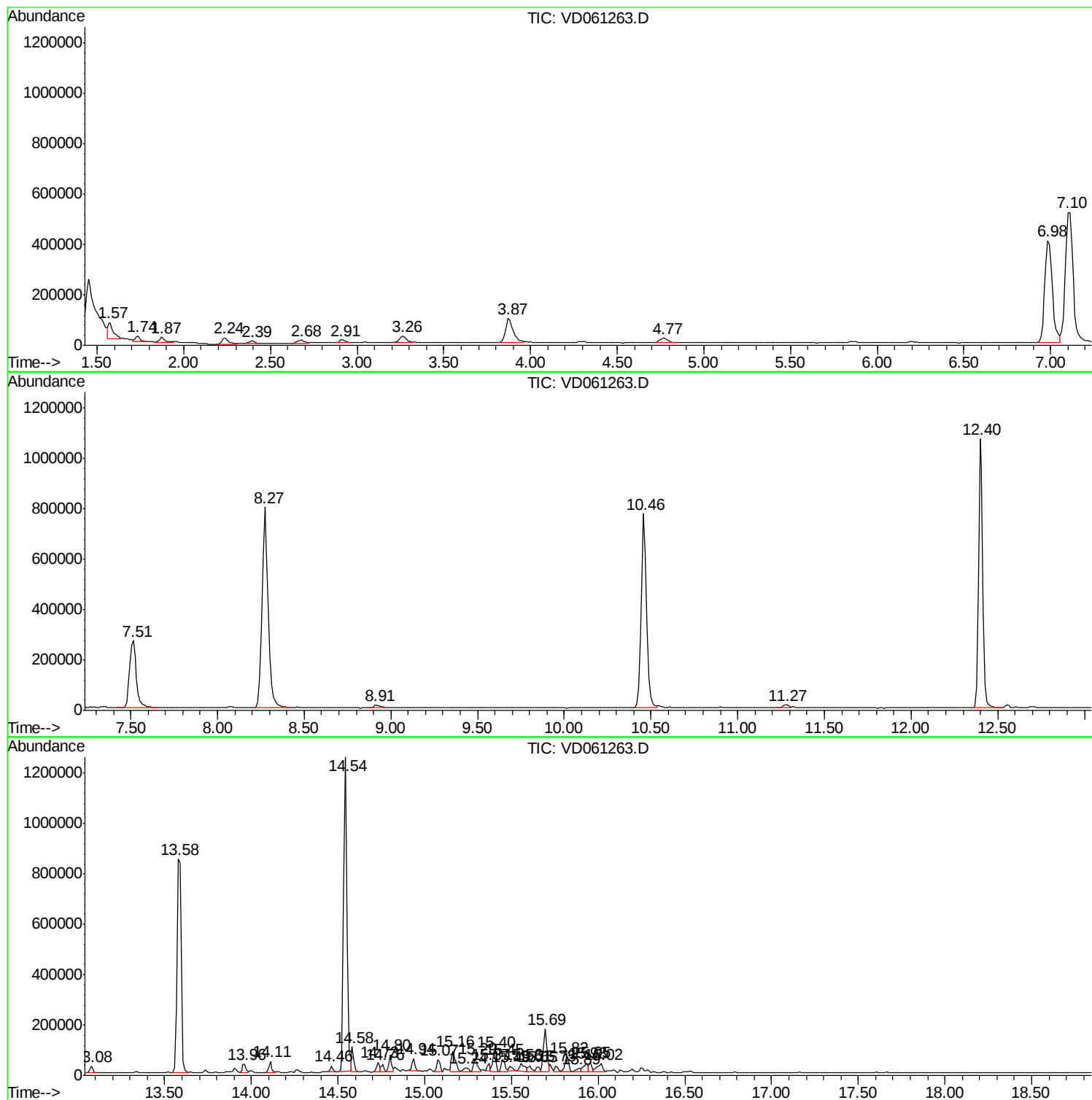
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ClientSampleId :  
EO-02-032019-B

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D030719S.M  
Quant Title : SW846 8260

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



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EO-02-032019-B

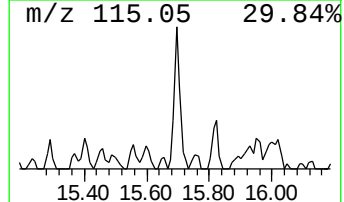
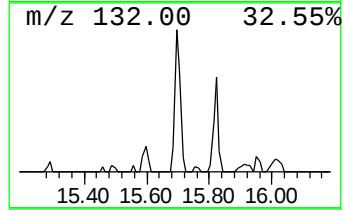
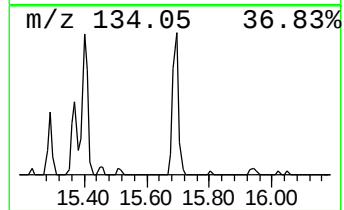
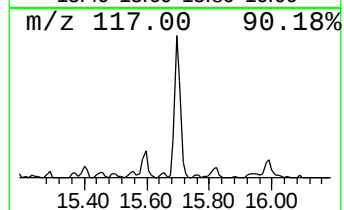
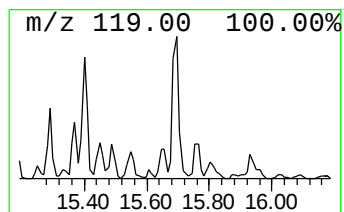
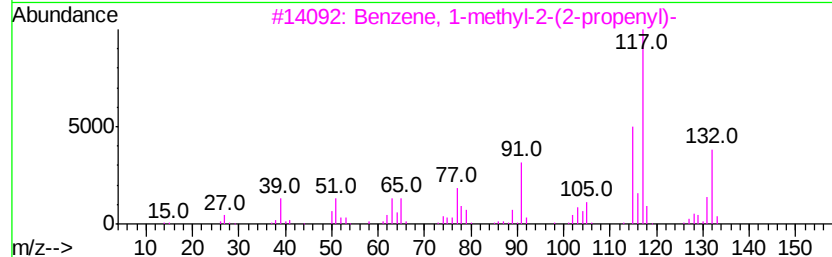
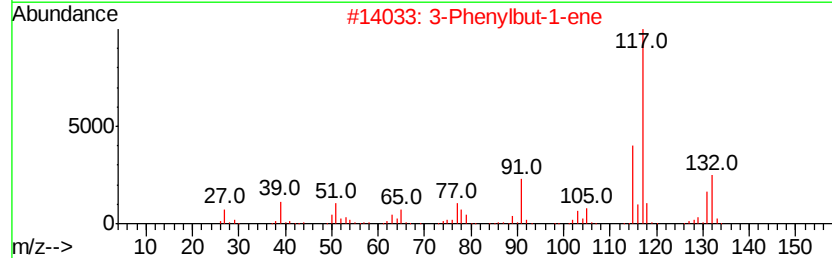
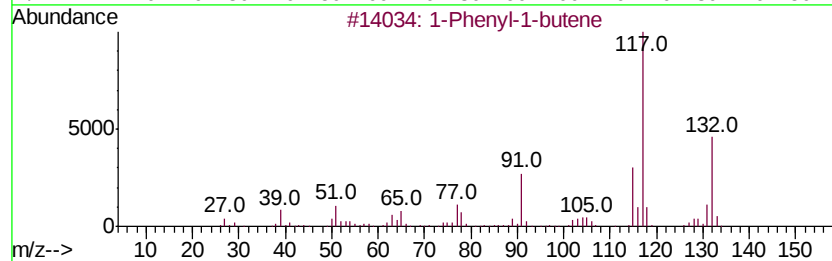
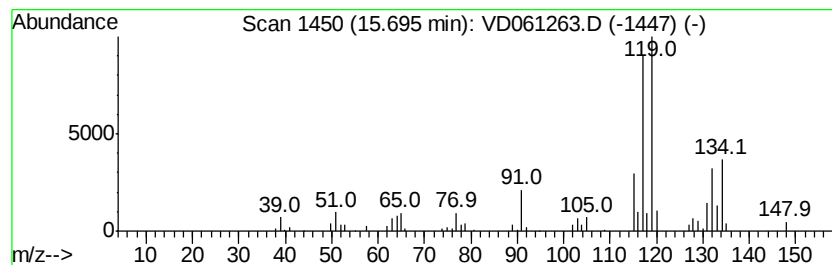
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D030719S.M  
Quant Title : SW846 8260

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

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Peak Number 1 1-Phenyl-1-butene Concentration Rank 1

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 15.69 | 7.11 ug/l | 226143 | 1,4-Dichlorobenzene-d4 | 14.54 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1-Phenyl-1-butene                   | 132 | C10H12  | 000824-90-8 | 87   |
| 2    |    | 3-Phenylbut-1-ene                   | 132 | C10H12  | 000934-10-1 | 55   |
| 3    |    | Benzene, 1-methyl-2-(2-propenyl)-   | 132 | C10H12  | 001587-04-8 | 55   |
| 4    |    | Benzene, 1-ethenyl-3-ethyl-         | 132 | C10H12  | 007525-62-4 | 55   |
| 5    |    | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000768-00-3 | 55   |



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| TIC Top Hit name  | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|-------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                   |       |         |       |          | #                     | RT    | Resp    | Conc |
| 1-Phenyl-1-butene | 15.69 | 7.1     | ug/l  | 226143   | 4                     | 14.54 | 1591090 | 50.0 |