

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\  
 Data File : VU038592.D  
 Acq On : 06 Jun 2020 01:23  
 Operator : SY/MD  
 Sample : L2884-05  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFXD9

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.1

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\_U\METHOD\SOMUTR053120WMA.M

Title : TRACE VOA SOM01.0

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         | 1.613       | 75            | 85          | 98           | rBV      | 97103          | 111802        | 7.72%           | 1.120%        |
| 2         | 1.932       | 175           | 184         | 199          | rVB      | 87920          | 116240        | 8.03%           | 1.164%        |
| 3         | 2.594       | 374           | 390         | 405          | rBV      | 183716         | 303951        | 21.00%          | 3.044%        |
| 4         | 3.218       | 571           | 584         | 598          | rVB2     | 9611           | 22120         | 1.53%           | 0.222%        |
| 5         | 4.678       | 1020          | 1038        | 1082         | rBV      | 192036         | 618731        | 42.74%          | 6.197%        |
| 6         | 5.102       | 1150          | 1170        | 1193         | rBV      | 192215         | 425186        | 29.37%          | 4.258%        |
| 7         | 5.758       | 1349          | 1374        | 1398         | rBV2     | 367953         | 979252        | 67.64%          | 9.807%        |
| 8         | 6.279       | 1519          | 1536        | 1557         | rBV      | 383548         | 732087        | 50.57%          | 7.332%        |
| 9         | 6.723       | 1657          | 1674        | 1698         | rBV      | 232874         | 459456        | 31.74%          | 4.602%        |
| 10        | 7.591       | 1931          | 1944        | 1958         | rBV      | 119272         | 209030        | 14.44%          | 2.093%        |
| 11        | 7.922       | 2032          | 2047        | 2064         | rBV      | 438611         | 760277        | 52.52%          | 7.614%        |
| 12        | 8.202       | 2120          | 2134        | 2148         | rBV      | 74756          | 127300        | 8.79%           | 1.275%        |
| 13        | 8.655       | 2261          | 2275        | 2318         | rBV      | 793024         | 1447693       | 100.00%         | 14.499%       |
| 14        | 9.436       | 2501          | 2518        | 2541         | rBV      | 542236         | 926865        | 64.02%          | 9.283%        |
| 15        | 9.710       | 2590          | 2603        | 2617         | rBV2     | 22713          | 38252         | 2.64%           | 0.383%        |
| 16        | 10.118      | 2720          | 2730        | 2742         | rBV      | 17609          | 28510         | 1.97%           | 0.286%        |
| 17        | 10.771      | 2921          | 2933        | 2951         | rVB      | 202801         | 326671        | 22.56%          | 3.272%        |
| 18        | 11.478      | 3142          | 3153        | 3164         | rBV2     | 21055          | 33111         | 2.29%           | 0.332%        |
| 19        | 11.822      | 3247          | 3260        | 3275         | rBV      | 580896         | 921203        | 63.63%          | 9.226%        |
| 20        | 11.906      | 3278          | 3286        | 3296         | rVB      | 11009          | 16342         | 1.13%           | 0.164%        |
| 21        | 12.205      | 3365          | 3379        | 3396         | rBV      | 482005         | 803200        | 55.48%          | 8.044%        |
| 22        | 13.478      | 3765          | 3775        | 3784         | rVB4     | 9734           | 15216         | 1.05%           | 0.152%        |
| 23        | 15.600      | 4419          | 4435        | 4438         | rBV10    | 10229          | 19385         | 1.34%           | 0.194%        |
| 24        | 16.005      | 4552          | 4561        | 4571         | rVB2     | 31579          | 50038         | 3.46%           | 0.501%        |
| 25        | 16.147      | 4592          | 4605        | 4624         | rBV      | 301682         | 492819        | 34.04%          | 4.936%        |

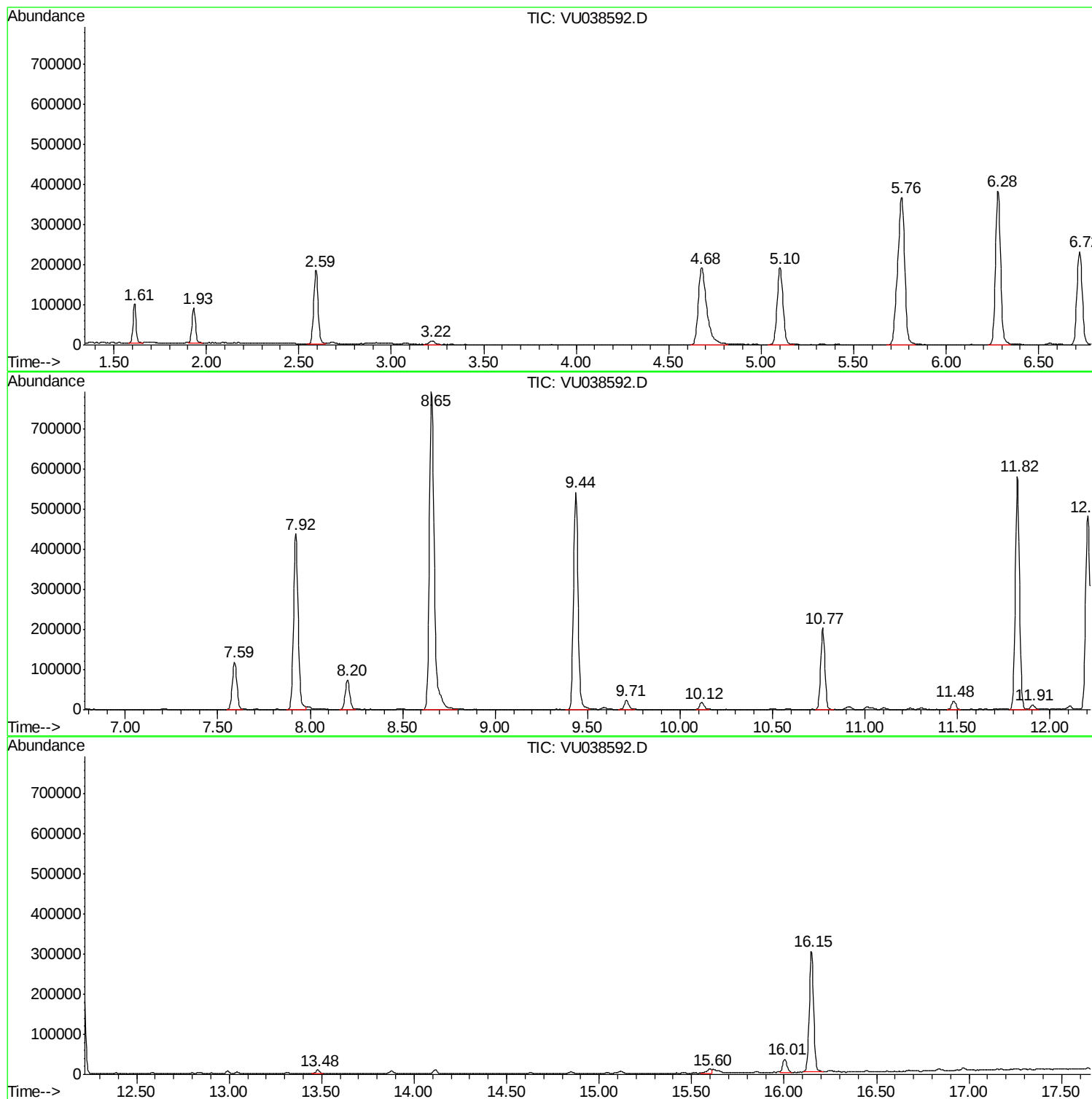
Sum of corrected areas: 9984737

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Instrument :  
MSVOA\_U  
ClientSampled :  
BFXD9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
Quant Title : TRACE VOA SOM01.0

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



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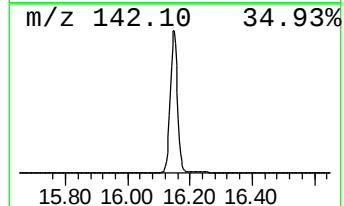
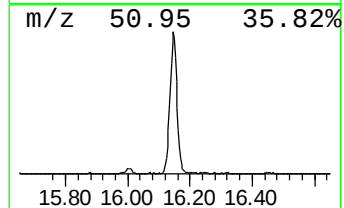
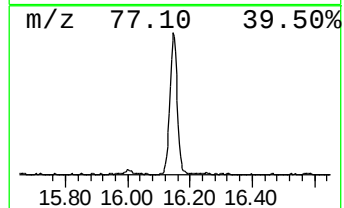
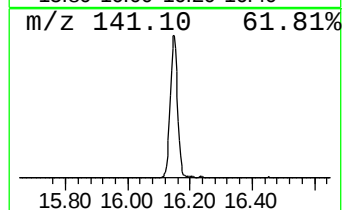
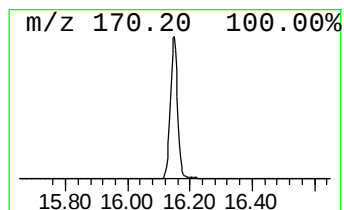
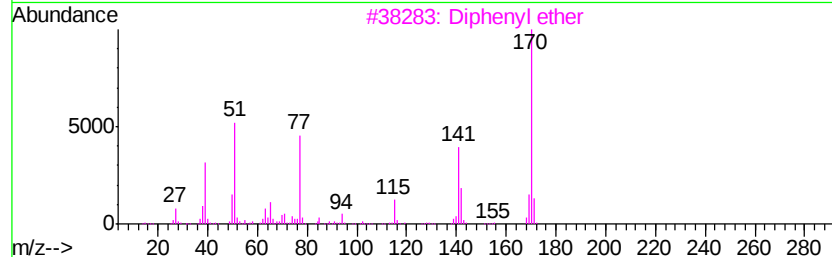
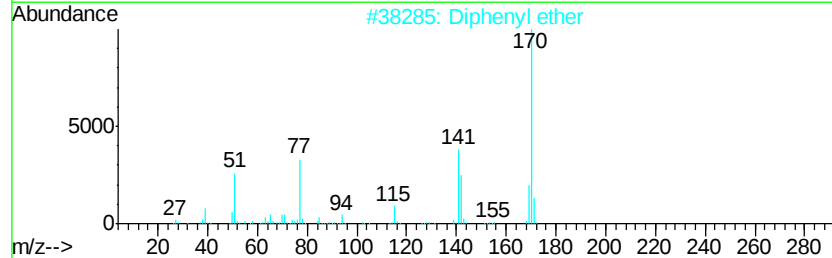
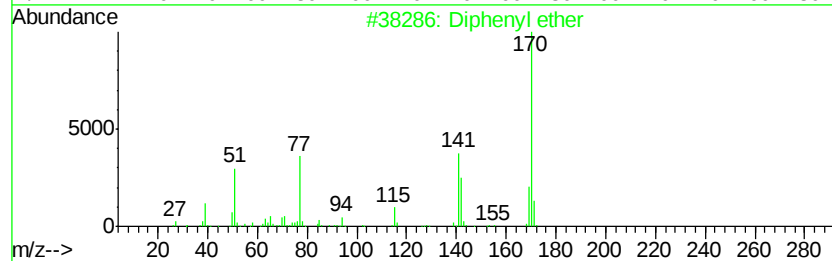
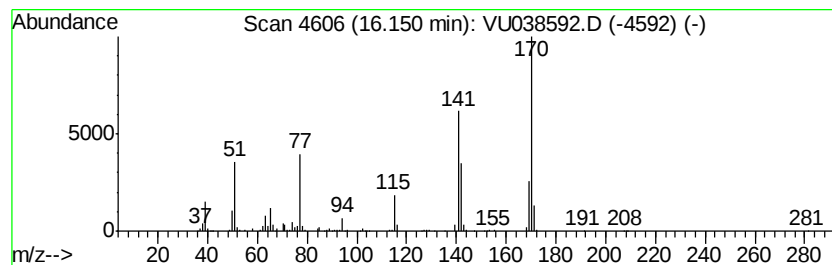
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 Diphenyl ether Concentration Rank 1

| R.T.  | EstConc   | Area   | Relative to ISTD       | R.T.  |
|-------|-----------|--------|------------------------|-------|
| 16.15 | 2.67 ug/L | 492819 | 1,4-Dichlorobenzene-d4 | 11.82 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Diphenyl ether              | 170 | C12H10O | 000101-84-8 | 93   |
| 2    |    | Diphenyl ether              | 170 | C12H10O | 000101-84-8 | 87   |
| 3    |    | Diphenyl ether              | 170 | C12H10O | 000101-84-8 | 68   |
| 4    |    | Diphenyl ether              | 170 | C12H10O | 000101-84-8 | 68   |
| 5    |    | 1,2-Dehydro-as-hydrindacene | 170 | C13H14  | 096508-75-7 | 46   |



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| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| Diphenyl ether   | 16.15 | 2.7     | ug/L  | 492819   | 3                     | 11.82 | 921203 | 5.0  |