

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\  
 Data File : VX008493.D  
 Acq On : 27 Mar 2019 19:21  
 Operator : JC/SP  
 Sample : K2103-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MH-C02-SETTLED-2H-A

Integration Parameters: RTEINT3.P

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

Filtering: 5  
 Min Area: 0 % 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\_X\METHOD\624X032719W.M  
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

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         | 1.581       | 65            | 70          | 71           | rBV2     | 6184           | 7570          | 1.11%           | 0.240%        |
| 2         | 2.111       | 153           | 157         | 166          | rVB      | 12812          | 21478         | 3.14%           | 0.680%        |
| 3         | 2.440       | 204           | 211         | 214          | rBV      | 10553          | 18066         | 2.64%           | 0.572%        |
| 4         | 2.483       | 214           | 218         | 229          | rVV      | 26949          | 52389         | 7.65%           | 1.659%        |
| 5         | 2.605       | 229           | 238         | 248          | rVB2     | 11841          | 26347         | 3.85%           | 0.834%        |
| 6         | 5.013       | 623           | 633         | 647          | rBV2     | 87881          | 265631        | 38.78%          | 8.412%        |
| 7         | 6.062       | 795           | 805         | 816          | rBV      | 95004          | 250046        | 36.51%          | 7.918%        |
| 8         | 6.860       | 925           | 936         | 950          | rBV      | 208340         | 499548        | 72.94%          | 15.820%       |
| 9         | 8.482       | 1195          | 1202        | 1210         | rBV      | 37651          | 67539         | 9.86%           | 2.139%        |
| 10        | 8.714       | 1233          | 1240        | 1247         | rBV      | 438150         | 684899        | 100.00%         | 21.689%       |
| 11        | 8.781       | 1248          | 1251        | 1260         | rVB3     | 6980           | 13636         | 1.99%           | 0.432%        |
| 12        | 10.110      | 1463          | 1469        | 1482         | rBV      | 397911         | 556485        | 81.25%          | 17.623%       |
| 13        | 10.640      | 1548          | 1556        | 1560         | rBV2     | 4000           | 7484          | 1.09%           | 0.237%        |
| 14        | 10.713      | 1560          | 1568        | 1572         | rVV      | 16816          | 24987         | 3.65%           | 0.791%        |
| 15        | 11.134      | 1631          | 1637        | 1644         | rBV      | 319921         | 414228        | 60.48%          | 13.118%       |
| 16        | 11.225      | 1648          | 1652        | 1657         | rVB2     | 10799          | 16655         | 2.43%           | 0.527%        |
| 17        | 11.939      | 1765          | 1769        | 1773         | rVB5     | 8875           | 11283         | 1.65%           | 0.357%        |
| 18        | 12.024      | 1778          | 1783        | 1786         | rBV2     | 7777           | 10324         | 1.51%           | 0.327%        |
| 19        | 12.060      | 1786          | 1789        | 1799         | rVB4     | 7795           | 15314         | 2.24%           | 0.485%        |
| 20        | 12.158      | 1799          | 1805        | 1810         | rBV6     | 4551           | 8622          | 1.26%           | 0.273%        |
| 21        | 12.579      | 1870          | 1874        | 1880         | rBV3     | 9339           | 12822         | 1.87%           | 0.406%        |
| 22        | 12.963      | 1932          | 1937        | 1944         | rBV      | 16304          | 23239         | 3.39%           | 0.736%        |
| 23        | 13.225      | 1974          | 1980        | 1988         | rBV2     | 30073          | 44721         | 6.53%           | 1.416%        |
| 24        | 13.566      | 2032          | 2036        | 2041         | rVB      | 12763          | 16754         | 2.45%           | 0.531%        |
| 25        | 13.639      | 2041          | 2048        | 2051         | rBV6     | 10844          | 17936         | 2.62%           | 0.568%        |
| 26        | 13.719      | 2056          | 2061        | 2066         | rVV4     | 8213           | 14001         | 2.04%           | 0.443%        |
| 27        | 13.786      | 2066          | 2072        | 2077         | rVV2     | 36719          | 48252         | 7.05%           | 1.528%        |
| 28        | 13.835      | 2077          | 2080        | 2085         | rVB3     | 5115           | 7489          | 1.09%           | 0.237%        |

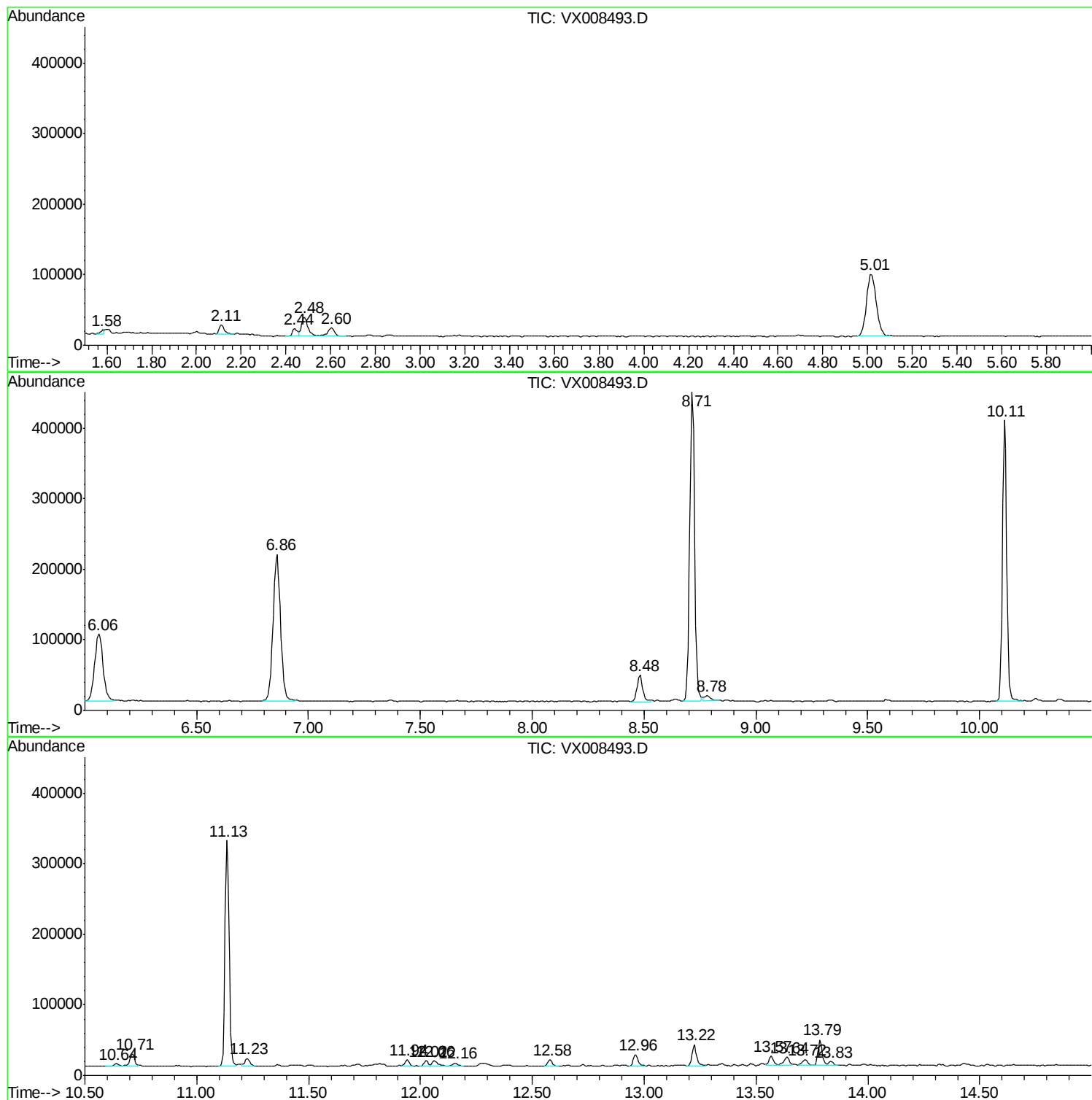
Sum of corrected areas: 3157745

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Instrument :  
MSVOA\_X  
ClientSampleId :  
MH-C02-SETTLED-2H-A

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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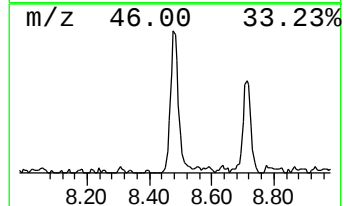
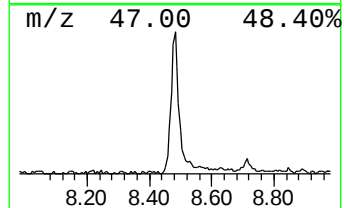
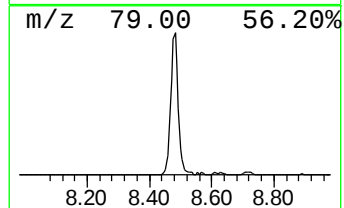
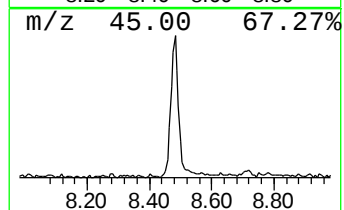
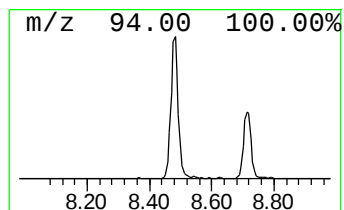
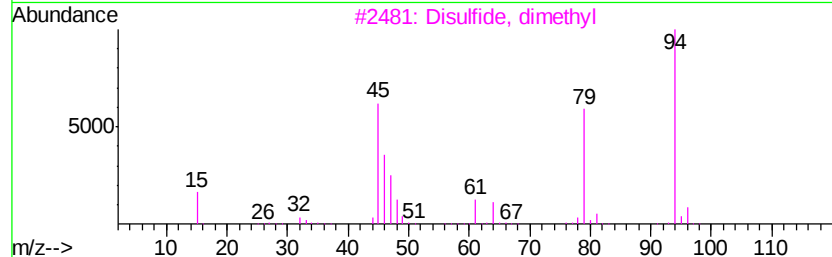
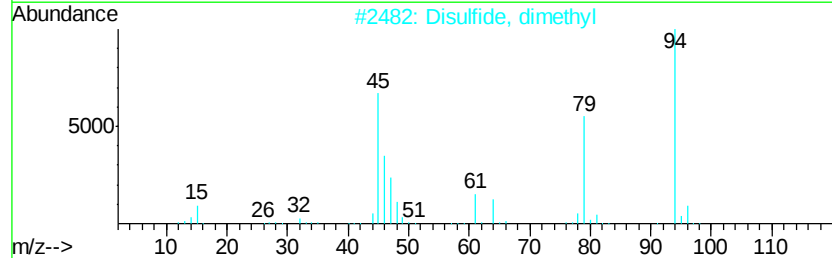
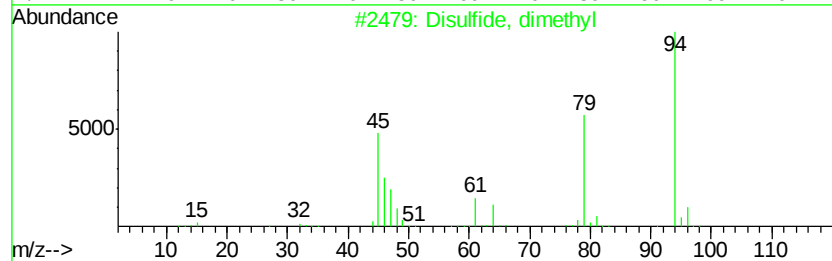
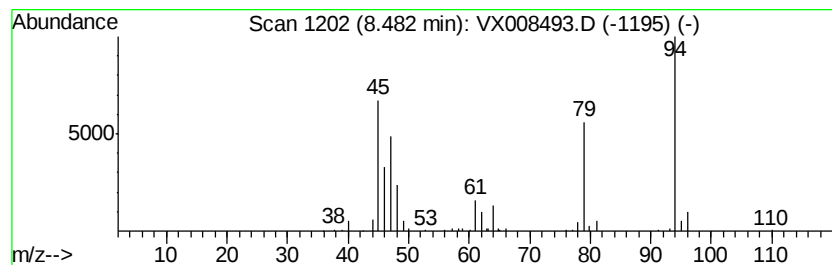
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Disulfide, dimethyl Concentration Rank 1

| R.T. | EstConc   | Area  | Relative to ISTD    | R.T. |
|------|-----------|-------|---------------------|------|
| 8.48 | 4.06 ug/l | 67539 | 1,4-Difluorobenzene | 6.86 |

| Hit# | of | Tentative ID        | MW | MolForm | CAS#        | Qual |
|------|----|---------------------|----|---------|-------------|------|
| 1    | 5  | Disulfide, dimethyl | 94 | C2H6S2  | 000624-92-0 | 93   |
| 2    |    | Disulfide, dimethyl | 94 | C2H6S2  | 000624-92-0 | 76   |
| 3    |    | Disulfide, dimethyl | 94 | C2H6S2  | 000624-92-0 | 76   |
| 4    |    | Disulfide, dimethyl | 94 | C2H6S2  | 000624-92-0 | 76   |
| 5    |    | Dimethyl sulfone    | 94 | C2H6O2S | 000067-71-0 | 38   |



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| TIC Top Hit name    | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|---------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                     |      |         |       |          | #                     | RT   | Resp   | Conc |
| Disulfide, dimethyl | 8.48 | 4.1     | ug/l  | 67539    | 2                     | 6.86 | 499548 | 30.0 |