

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY083122\  
 Data File : VY010239.D  
 Acq On : 31 Aug 2022 12:46  
 Operator : KP/MD  
 Sample : N4398-01  
 Misc : 4.29g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ROCK-FINES-QA/QC-COMP

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\_Y\methods\82Y083022S.M  
 Title : SW846 8260

Signal : TIC: VY010239.D\data.ms

| 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         | 2.546       | 107           | 119         | 135          | rBV      | 89066          | 169768        | 25.71%          | 3.897%        |
| 2         | 2.887       | 166           | 175         | 184          | rBV5     | 2645           | 6743          | 1.02%           | 0.155%        |
| 3         | 4.704       | 462           | 473         | 485          | rBV4     | 14166          | 43654         | 6.61%           | 1.002%        |
| 4         | 5.741       | 634           | 643         | 651          | rBV4     | 3431           | 10773         | 1.63%           | 0.247%        |
| 5         | 6.972       | 834           | 845         | 862          | rBV      | 43752          | 133819        | 20.27%          | 3.072%        |
| 6         | 7.710       | 956           | 966         | 972          | rBV      | 96651          | 232152        | 35.16%          | 5.329%        |
| 7         | 7.783       | 972           | 978         | 990          | rVB      | 168946         | 380215        | 57.59%          | 8.727%        |
| 8         | 8.130       | 1023          | 1035        | 1047         | rVB2     | 93890          | 221301        | 33.52%          | 5.080%        |
| 9         | 8.685       | 1117          | 1126        | 1138         | rBV      | 246331         | 481837        | 72.98%          | 11.060%       |
| 10        | 10.179      | 1361          | 1371        | 1379         | rBV      | 376413         | 650801        | 98.57%          | 14.938%       |
| 11        | 10.575      | 1431          | 1436        | 1444         | rBV      | 11134          | 19365         | 2.93%           | 0.444%        |
| 12        | 10.941      | 1490          | 1496        | 1508         | rBV      | 35851          | 61181         | 9.27%           | 1.404%        |
| 13        | 11.319      | 1551          | 1558        | 1564         | rVB2     | 9779           | 16495         | 2.50%           | 0.379%        |
| 14        | 11.490      | 1578          | 1586        | 1598         | rBV      | 366538         | 593772        | 89.94%          | 13.629%       |
| 15        | 12.483      | 1741          | 1749        | 1758         | rBV2     | 373098         | 603687        | 91.44%          | 13.857%       |
| 16        | 12.819      | 1797          | 1804        | 1811         | rBV2     | 9110           | 16321         | 2.47%           | 0.375%        |
| 17        | 13.422      | 1896          | 1903        | 1910         | rBV      | 433237         | 660220        | 100.00%         | 15.154%       |
| 18        | 13.483      | 1910          | 1913        | 1924         | rVB4     | 4957           | 9793          | 1.48%           | 0.225%        |
| 19        | 13.965      | 1986          | 1992        | 2006         | rVB2     | 13480          | 26631         | 4.03%           | 0.611%        |
| 20        | 14.385      | 2055          | 2061        | 2071         | rVB8     | 2810           | 6683          | 1.01%           | 0.153%        |
| 21        | 15.318      | 2208          | 2214        | 2220         | rVB      | 7103           | 11489         | 1.74%           | 0.264%        |

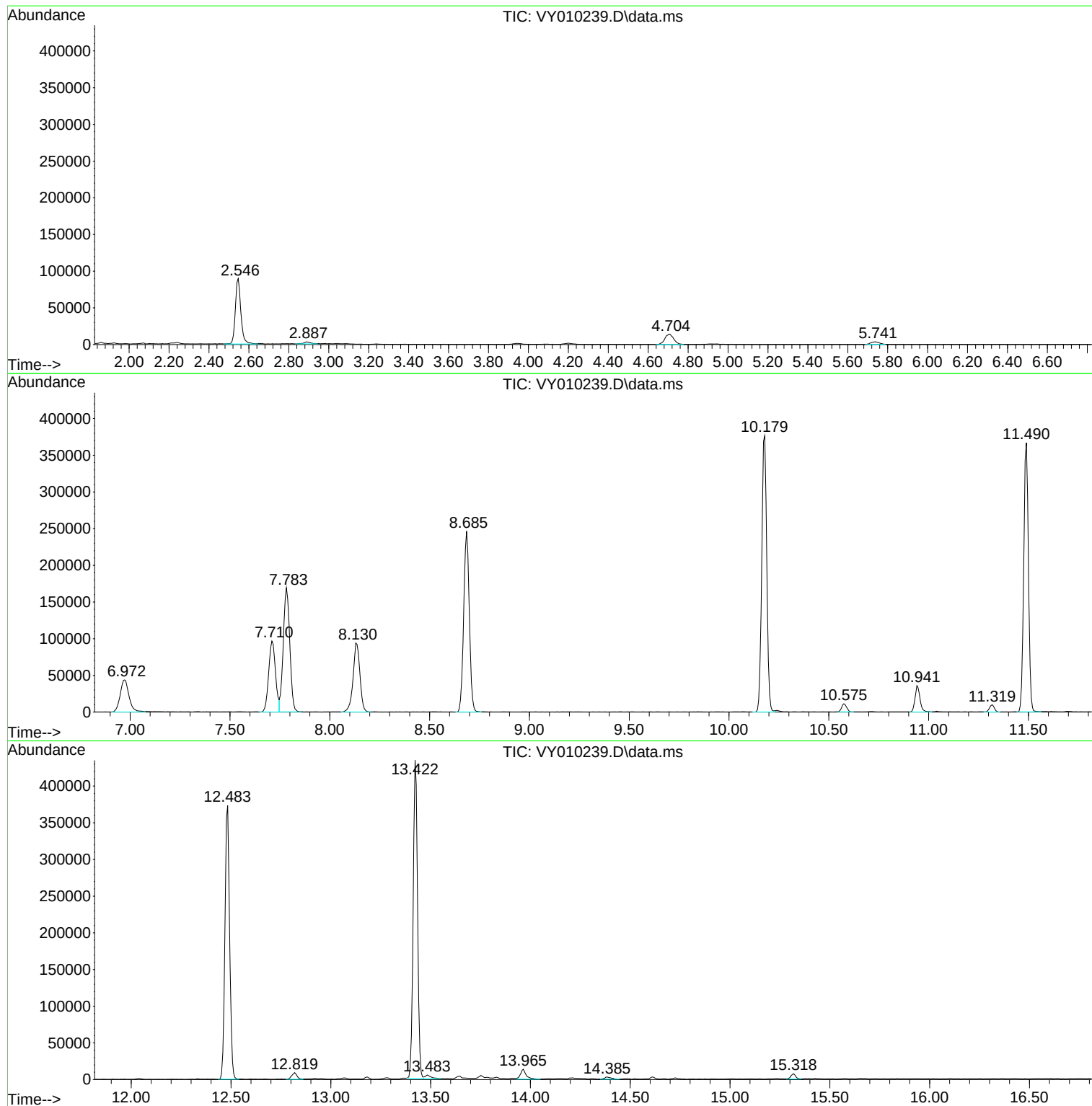
Sum of corrected areas: 4356700

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MSVOA\_Y  
ClientSampleId :  
ROCK-FINES-QA/QC-COMP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y083022S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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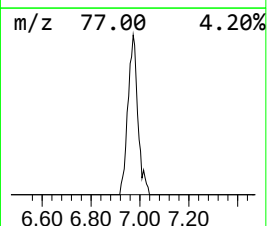
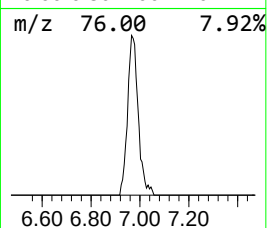
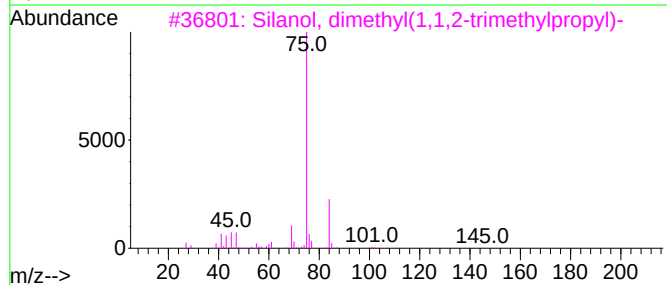
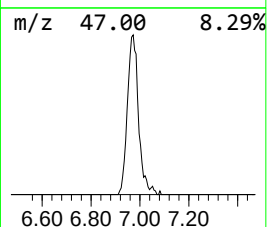
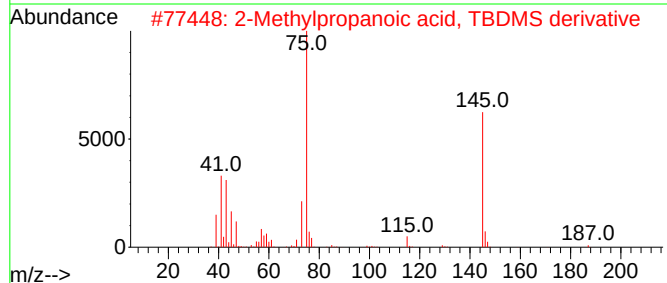
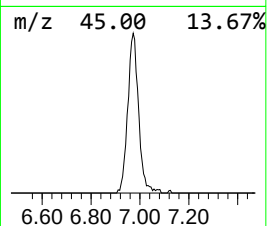
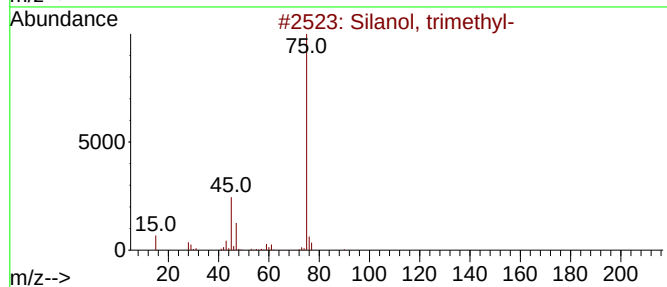
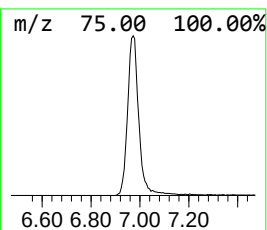
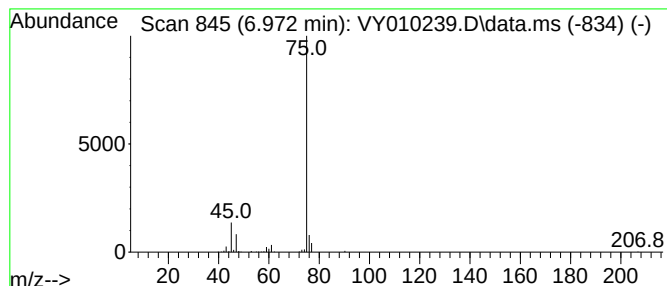
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
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Peak Number 2 Silanol, trimethyl- Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 6.972 | 17.60 ug/l | 133819 | Pentafluorobenzene | 7.783 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|------------|-------------|------|
| 1    |    |   | Silanol, trimethyl-                 | 90  | C3H10OSi   | 001066-40-6 | 91   |
| 2    |    |   | 2-Methylpropanoic acid, TBDMS de... | 202 | C10H22O2Si | 111864-21-2 | 83   |
| 3    |    |   | Silanol, dimethyl(1,1,2-trimethy... | 160 | C8H20OSi   | 055644-10-5 | 78   |
| 4    |    |   | Propanoic acid, TMS derivative      | 146 | C6H14O2Si  | 016844-98-7 | 78   |
| 5    |    |   | Ethylene glycol, TMS derivative     | 134 | C5H14O2Si  | 004403-13-8 | 64   |



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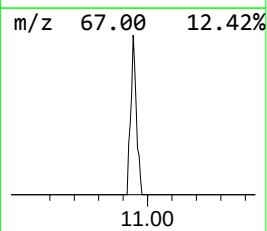
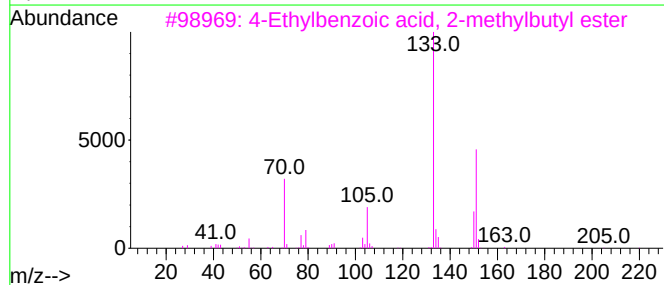
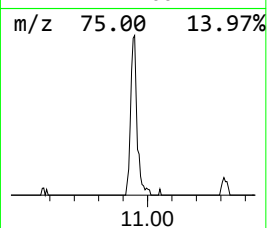
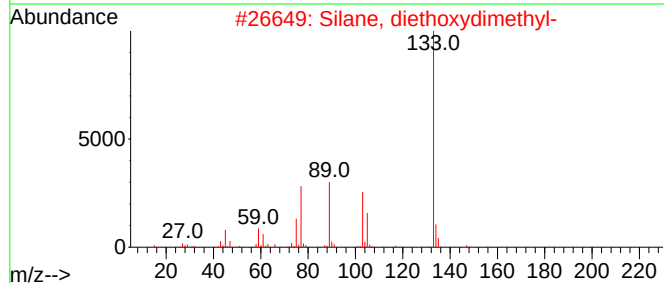
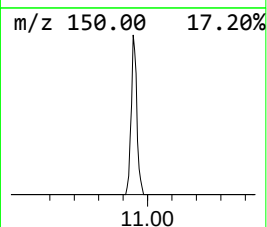
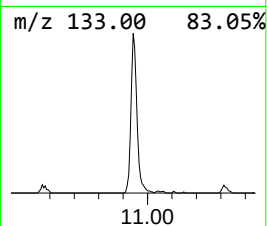
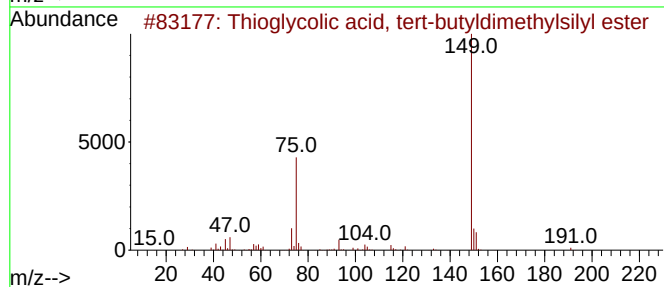
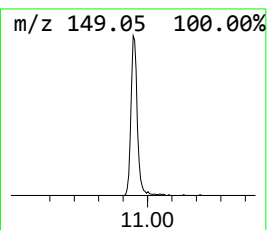
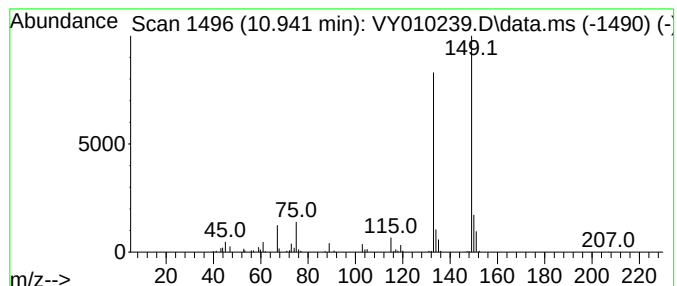
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Peak Number 3 unknown10.941 Concentration Rank 3

| R.T.   | EstConc   | Area  | Relative to ISTD | R.T.   |
|--------|-----------|-------|------------------|--------|
| 10.941 | 5.15 ug/l | 61181 | Chlorobenzene-d5 | 11.490 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Thioglycolic acid, tert-butyldim... | 206 | C8H18O2SSi | 1000476-01-2 | 38   |
| 2    |    |   | Silane, diethoxydimethyl-           | 148 | C6H16O2Si  | 000078-62-6  | 35   |
| 3    |    |   | 4-Ethylbenzoic acid, 2-methylbut... | 220 | C14H20O2   | 1000331-30-8 | 23   |
| 4    |    |   | 4-Ethylbenzoic acid, 2-ethoxyeth... | 222 | C13H18O3   | 1000331-30-9 | 23   |
| 5    |    |   | Benzoic acid, 4-ethyl-, 4-cyanop... | 251 | C16H13NO2  | 056131-48-7  | 17   |



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| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Silanol, trimet... | 6.972  | 17.6    | ug/l  | 133819   | 1                     | 7.783  | 380215 | 50.0 |
| unknown10.941      | 10.941 | 5.2     | ug/l  | 61181    | 3                     | 11.490 | 593772 | 50.0 |