

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122321\  
 Data File : VD071447.D  
 Acq On : 23 Dec 2021 17:13  
 Operator : VA/SY  
 Sample : M5044-16  
 Misc : 6.53G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DA-16-4.5

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\82D122221S.M  
 Title : SW846 8260

Signal : TIC: VD071447.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         | 4.156       | 373           | 380         | 391          | rVB2     | 14333          | 35584         | 1.24%           | 0.223%        |
| 2         | 4.967       | 506           | 518         | 523          | rBV3     | 27990          | 95386         | 3.33%           | 0.598%        |
| 3         | 5.497       | 599           | 608         | 615          | rVB7     | 8873           | 28987         | 1.01%           | 0.182%        |
| 4         | 7.914       | 1009          | 1019        | 1024         | rBV2     | 378377         | 916374        | 32.03%          | 5.741%        |
| 5         | 7.979       | 1024          | 1030        | 1039         | rVV      | 640961         | 1459535       | 51.02%          | 9.144%        |
| 6         | 8.061       | 1039          | 1044        | 1052         | rVB3     | 24936          | 61061         | 2.13%           | 0.383%        |
| 7         | 8.185       | 1060          | 1065        | 1072         | rVB3     | 15586          | 33387         | 1.17%           | 0.209%        |
| 8         | 8.326       | 1078          | 1089        | 1101         | rBV      | 368729         | 832571        | 29.10%          | 5.216%        |
| 9         | 8.508       | 1111          | 1120        | 1132         | rVB      | 143098         | 346786        | 12.12%          | 2.173%        |
| 10        | 8.861       | 1170          | 1180        | 1190         | rBV      | 1011943        | 2052304       | 71.74%          | 12.858%       |
| 11        | 9.350       | 1251          | 1263        | 1268         | rBV6     | 30512          | 73897         | 2.58%           | 0.463%        |
| 12        | 9.403       | 1268          | 1272        | 1279         | rVB3     | 23204          | 40992         | 1.43%           | 0.257%        |
| 13        | 9.773       | 1327          | 1335        | 1345         | rBV      | 97474          | 198132        | 6.93%           | 1.241%        |
| 14        | 9.908       | 1349          | 1358        | 1365         | rBV      | 130617         | 273293        | 9.55%           | 1.712%        |
| 15        | 10.103      | 1383          | 1391        | 1396         | rBV5     | 10014          | 30652         | 1.07%           | 0.192%        |
| 16        | 10.267      | 1407          | 1419        | 1423         | rBV      | 43845          | 83364         | 2.91%           | 0.522%        |
| 17        | 10.338      | 1423          | 1431        | 1447         | rVB      | 1581339        | 2860868       | 100.00%         | 17.923%       |
| 18        | 11.638      | 1642          | 1652        | 1661         | rBV      | 1408155        | 2466149       | 86.20%          | 15.450%       |
| 19        | 12.620      | 1810          | 1819        | 1829         | rBV      | 1057781        | 1826576       | 63.85%          | 11.444%       |
| 20        | 13.414      | 1945          | 1954        | 1960         | rBV6     | 20536          | 39980         | 1.40%           | 0.250%        |
| 21        | 13.561      | 1971          | 1979        | 1986         | rBV      | 1341552        | 2205799       | 77.10%          | 13.819%       |

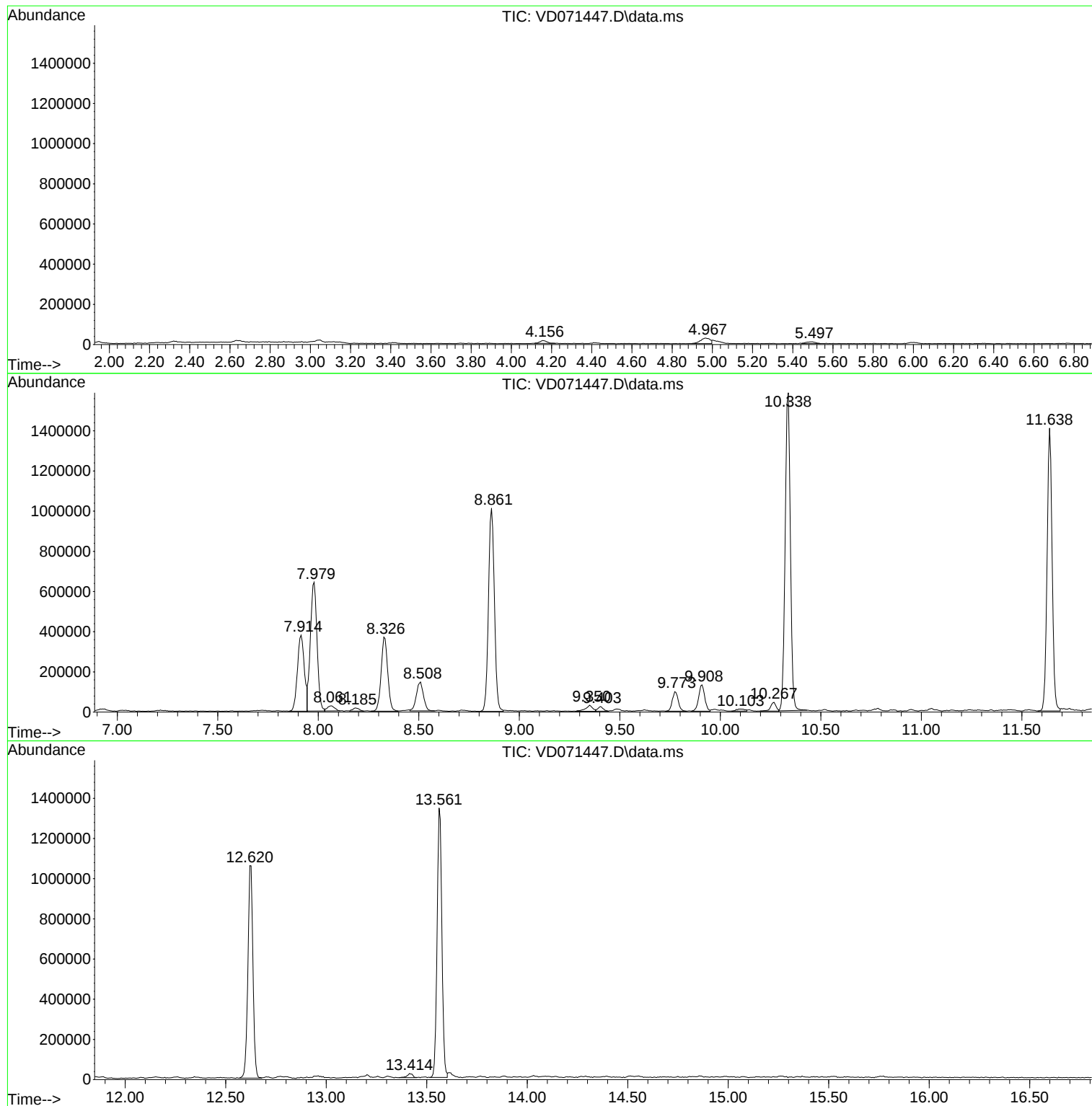
Sum of corrected areas: 15961677

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Instrument :  
MSVOA\_D  
ClientSampleId :  
DA-16-4.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D12221S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P



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Quant Title : SW846 8260

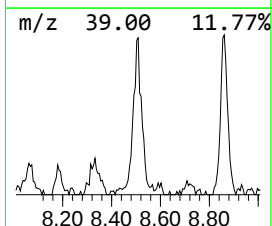
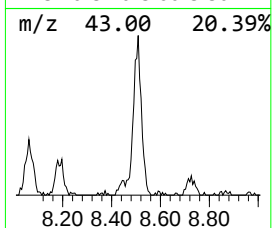
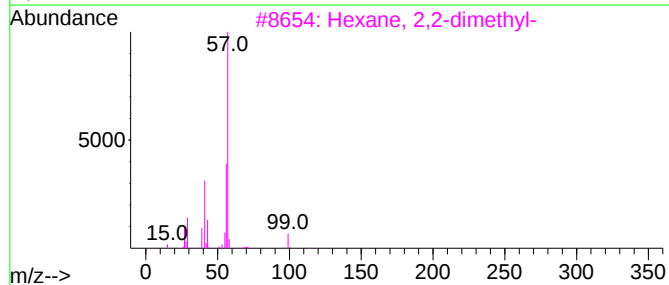
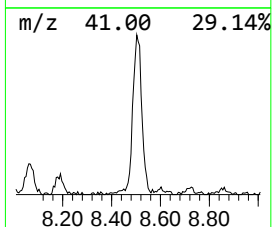
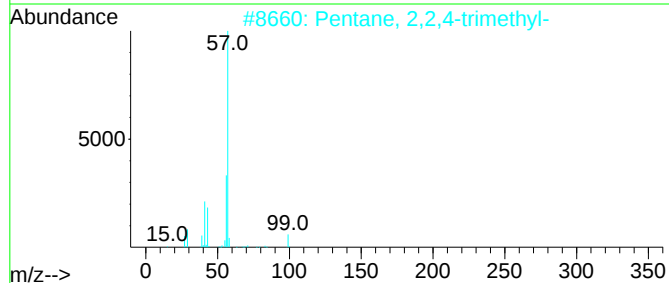
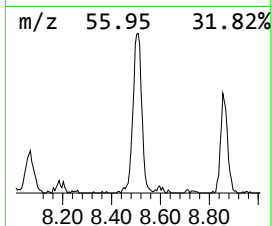
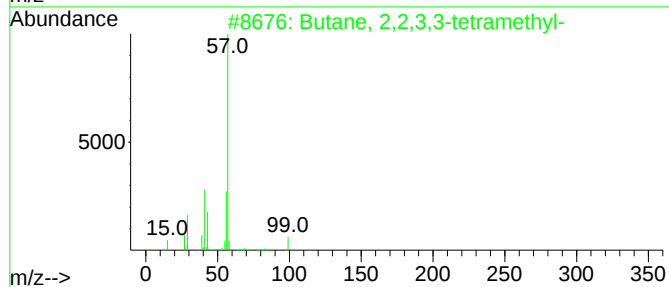
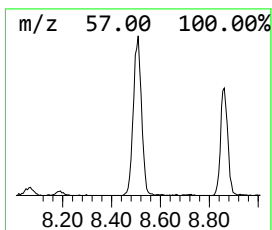
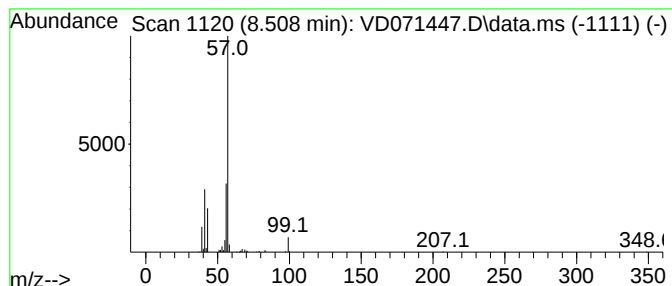
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Butane, 2,2,3,3-tetramethyl- Concentration Rank 1

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 8.508 | 8.45 ug/l | 346786 | 1,4-Difluorobenzene | 8.861 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2,2,3,3-tetramethyl- | 114 | C8H18   | 000594-82-1 | 72   |
| 2    |    |   | Pentane, 2,2,4-trimethyl-    | 114 | C8H18   | 000540-84-1 | 72   |
| 3    |    |   | Hexane, 2,2-dimethyl-        | 114 | C8H18   | 000590-73-8 | 72   |
| 4    |    |   | Heptane, 2,2-dimethyl-       | 128 | C9H20   | 001071-26-7 | 45   |
| 5    |    |   | Hexane, 2,2,5-trimethyl-     | 128 | C9H20   | 003522-94-9 | 45   |



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MSVOA\_D  
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DA-16-4.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D12221S.M  
Quant Title : SW846 8260

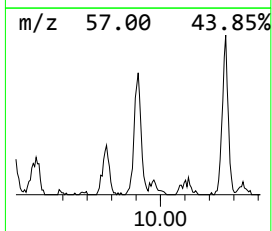
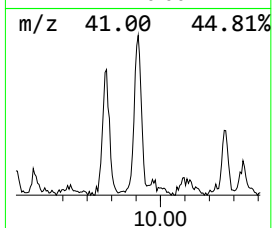
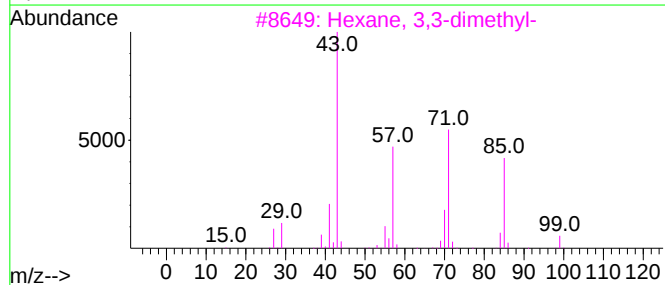
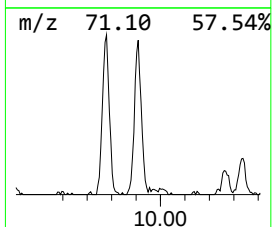
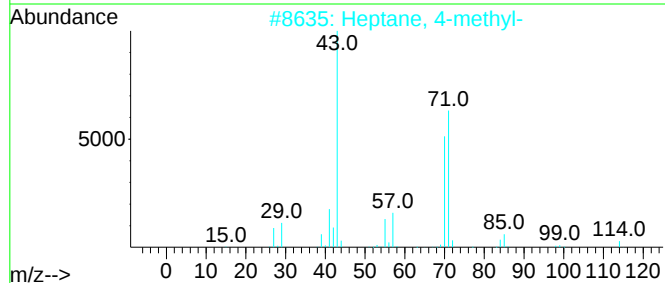
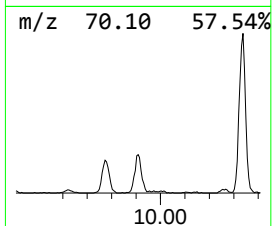
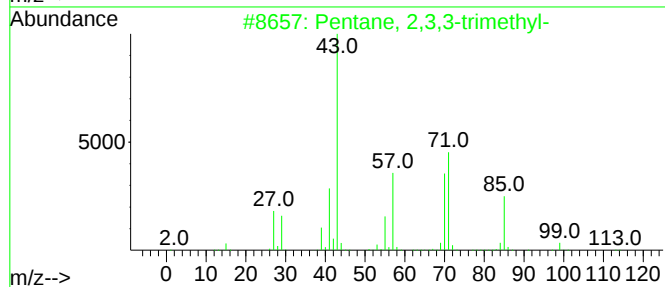
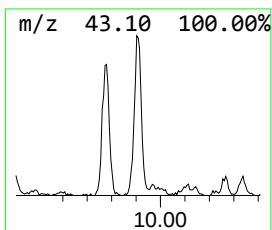
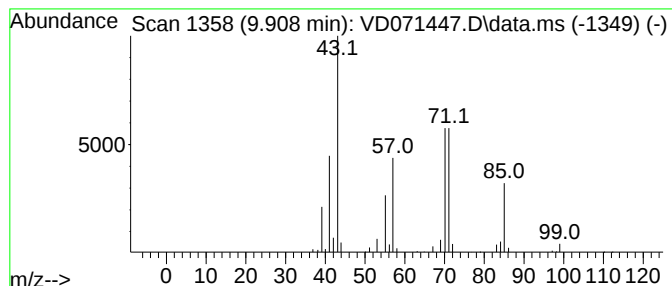
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Pentane, 2,3,3-trimethyl- Concentration Rank 2

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 9.908 | 6.66 ug/l | 273293 | 1,4-Difluorobenzene | 8.861 |

| Hit# | of 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|------|---------------------------|-----|---------|-------------|------|
| 1    |      | Pentane, 2,3,3-trimethyl- | 114 | C8H18   | 000560-21-4 | 83   |
| 2    |      | Heptane, 4-methyl-        | 114 | C8H18   | 000589-53-7 | 64   |
| 3    |      | Hexane, 3,3-dimethyl-     | 114 | C8H18   | 000563-16-6 | 59   |
| 4    |      | Hexane, 2,3,4-trimethyl-  | 128 | C9H20   | 000921-47-1 | 59   |
| 5    |      | Pentane, 2,3,4-trimethyl- | 114 | C8H18   | 000565-75-3 | 53   |



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MSVOA\_D  
ClientSampleId :  
DA-16-4.5

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| TIC Top Hit name   | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                    |       |         |       |          | #                     | RT    | Resp    | Conc |
| Butane, 2,2,3,3... | 8.508 | 8.4     | ug/l  | 346786   | 2                     | 8.861 | 2052300 | 50.0 |
| Pentane, 2,3,3-... | 9.908 | 6.7     | ug/l  | 273293   | 2                     | 8.861 | 2052300 | 50.0 |