

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122021\  
 Data File : VD071394.D  
 Acq On : 20 Dec 2021 17:51  
 Operator : VA/SY  
 Sample : M5044-11  
 Misc : 6.31G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DA-11-4.5

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\82D112921S.M  
 Title : SW846 8260

Signal : TIC: VD071394.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         | 2.321       | 62            | 68          | 71           | rBV2     | 23435          | 39832         | 1.48%           | 0.168%        |
| 2         | 3.038       | 182           | 190         | 199          | rBV4     | 34986          | 77687         | 2.88%           | 0.328%        |
| 3         | 4.144       | 366           | 378         | 390          | rVB3     | 80459          | 275575        | 10.21%          | 1.162%        |
| 4         | 4.956       | 499           | 516         | 530          | rBV6     | 105954         | 449364        | 16.66%          | 1.894%        |
| 5         | 5.491       | 591           | 607         | 617          | rBV5     | 24284          | 85829         | 3.18%           | 0.362%        |
| 6         | 6.932       | 835           | 852         | 862          | rBV2     | 103516         | 321205        | 11.91%          | 1.354%        |
| 7         | 7.032       | 862           | 869         | 877          | rVB5     | 11410          | 28732         | 1.06%           | 0.121%        |
| 8         | 7.203       | 890           | 898         | 910          | rVB8     | 15079          | 50794         | 1.88%           | 0.214%        |
| 9         | 7.726       | 982           | 987         | 998          | rVB5     | 16859          | 48982         | 1.82%           | 0.206%        |
| 10        | 7.914       | 1009          | 1019        | 1024         | rBV2     | 344793         | 847622        | 31.42%          | 3.573%        |
| 11        | 7.979       | 1024          | 1030        | 1038         | rVV      | 616649         | 1416692       | 52.51%          | 5.972%        |
| 12        | 8.061       | 1038          | 1044        | 1057         | rVB3     | 187194         | 473097        | 17.54%          | 1.994%        |
| 13        | 8.326       | 1081          | 1089        | 1101         | rVB      | 327059         | 745468        | 27.63%          | 3.143%        |
| 14        | 8.503       | 1104          | 1119        | 1131         | rVV      | 909514         | 2248574       | 83.35%          | 9.479%        |
| 15        | 8.603       | 1131          | 1136        | 1144         | rVB7     | 11153          | 30108         | 1.12%           | 0.127%        |
| 16        | 8.861       | 1170          | 1180        | 1194         | rBV      | 959924         | 1953518       | 72.41%          | 8.236%        |
| 17        | 9.103       | 1214          | 1221        | 1224         | rBV6     | 12549          | 28928         | 1.07%           | 0.122%        |
| 18        | 9.350       | 1249          | 1263        | 1269         | rBV      | 226586         | 508186        | 18.84%          | 2.142%        |
| 19        | 9.402       | 1269          | 1272        | 1280         | rVV2     | 64595          | 118417        | 4.39%           | 0.499%        |
| 20        | 9.485       | 1280          | 1286        | 1299         | rVB2     | 95299          | 209080        | 7.75%           | 0.881%        |
| 21        | 9.620       | 1299          | 1309        | 1316         | rBV6     | 26634          | 72780         | 2.70%           | 0.307%        |
| 22        | 9.779       | 1325          | 1336        | 1347         | rVB      | 846704         | 1689313       | 62.62%          | 7.122%        |
| 23        | 9.908       | 1347          | 1358        | 1373         | rBV      | 1020234        | 2131551       | 79.01%          | 8.986%        |
| 24        | 10.091      | 1382          | 1389        | 1398         | rBV2     | 56875          | 114301        | 4.24%           | 0.482%        |
| 25        | 10.267      | 1412          | 1419        | 1424         | rVV      | 299206         | 552696        | 20.49%          | 2.330%        |
| 26        | 10.338      | 1424          | 1431        | 1445         | rVB      | 1499134        | 2697873       | 100.00%         | 11.374%       |
| 27        | 10.520      | 1454          | 1462        | 1469         | rBV      | 11701          | 32880         | 1.22%           | 0.139%        |
| 28        | 10.779      | 1497          | 1506        | 1513         | rVB5     | 55094          | 137073        | 5.08%           | 0.578%        |
| 29        | 10.949      | 1526          | 1535        | 1541         | rBV5     | 16933          | 35728         | 1.32%           | 0.151%        |
| 30        | 11.044      | 1541          | 1551        | 1559         | rVV7     | 23495          | 76930         | 2.85%           | 0.324%        |
| 31        | 11.444      | 1613          | 1619        | 1628         | rVB7     | 13243          | 35365         | 1.31%           | 0.149%        |
| 32        | 11.638      | 1643          | 1652        | 1661         | rBV      | 1278438        | 2264020       | 83.92%          | 9.545%        |
| 33        | 11.891      | 1686          | 1695        | 1701         | rVB8     | 21637          | 48497         | 1.80%           | 0.204%        |
| 34        | 12.626      | 1811          | 1820        | 1830         | rBV      | 952252         | 1613908       | 59.82%          | 6.804%        |
| 35        | 13.561      | 1972          | 1979        | 1988         | rBV      | 1160604        | 1949147       | 72.25%          | 8.217%        |
| 36        | 13.726      | 2002          | 2007        | 2011         | rBV2     | 54975          | 92973         | 3.45%           | 0.392%        |

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Sample : M5044-11  
Misc : 6.31G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
DA-11-4.5

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\82D112921S.M  
Title : SW846 8260

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 37 | 13.767 | 2011 | 2014 | 2018 | rVV  | 43055 | 70989 | 2.63% | 0.299% |
| 38 | 13.808 | 2018 | 2021 | 2029 | rVB5 | 25037 | 43609 | 1.62% | 0.184% |
| 39 | 14.214 | 2082 | 2090 | 2095 | rVB6 | 13820 | 30314 | 1.12% | 0.128% |
| 40 | 14.296 | 2095 | 2104 | 2111 | rBV4 | 34524 | 72830 | 2.70% | 0.307% |

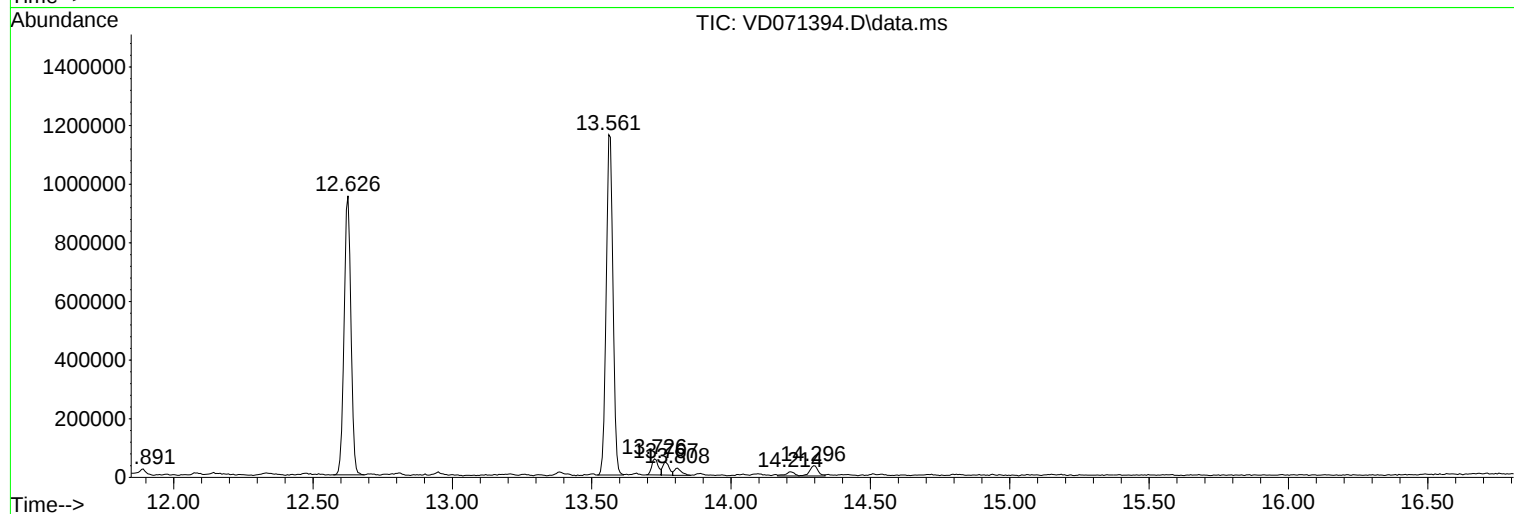
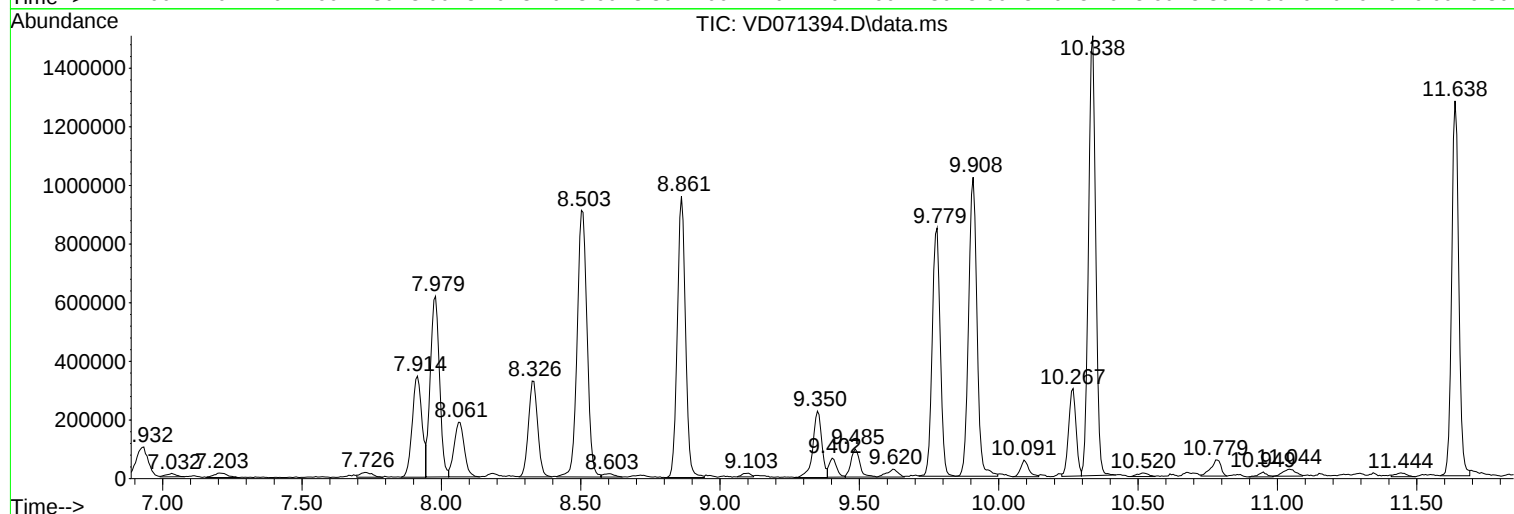
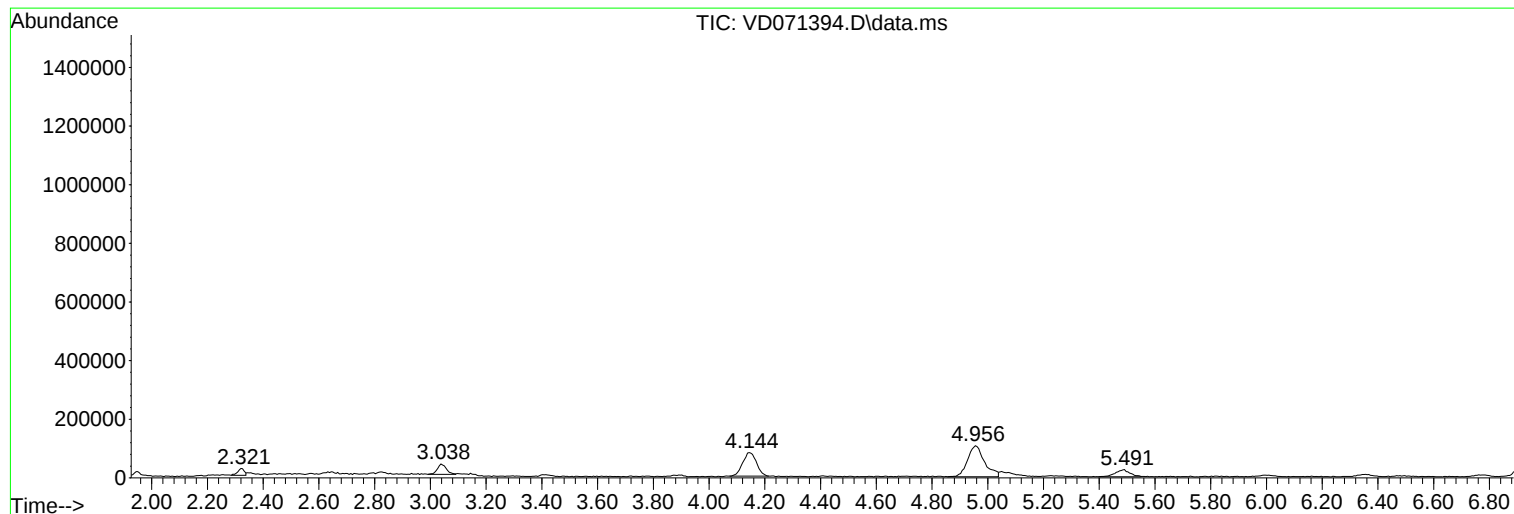
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122021\  
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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
DA-11-4.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122021\  
Data File : VD071394.D  
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Operator : VA/SY  
Sample : M5044-11  
Misc : 6.31G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
DA-11-4.5

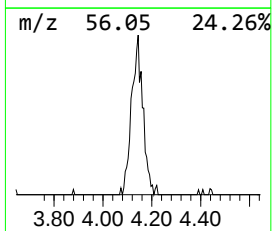
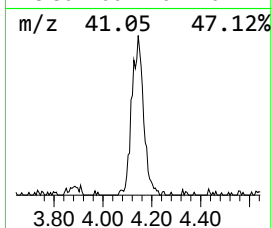
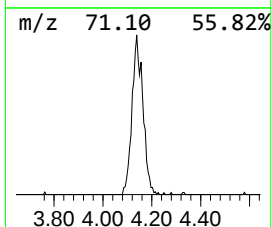
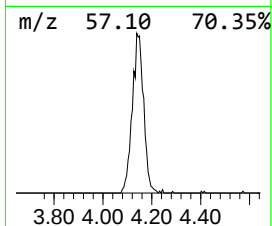
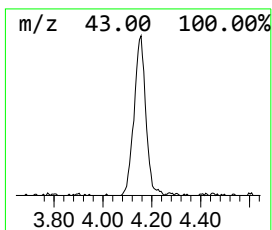
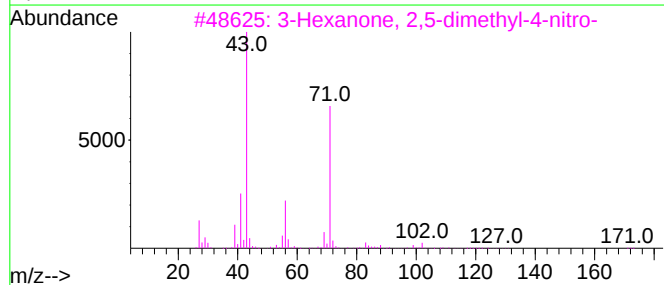
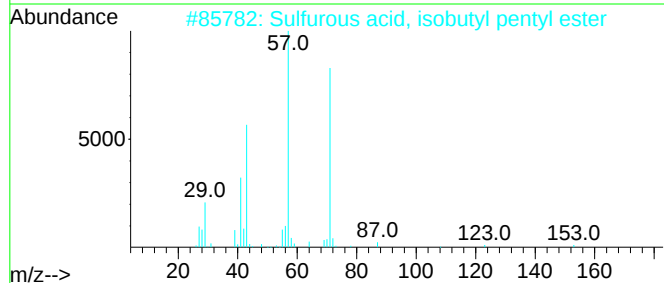
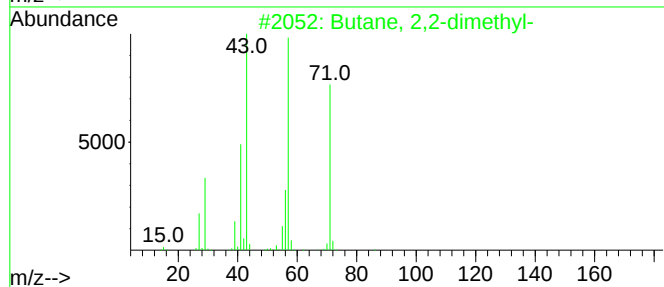
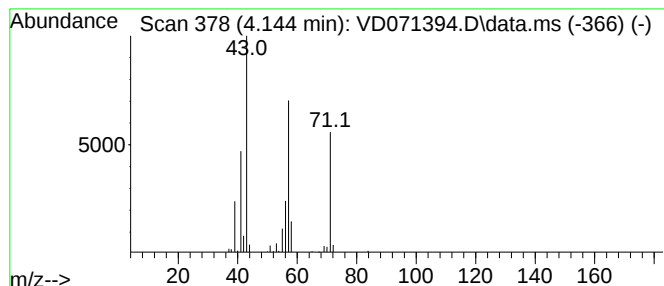
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260

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

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Peak Number 1 Butane, 2,2-dimethyl- Concentration Rank 9

| R.T.  | EstConc   | Area   | Relative to ISTD   | R.T.  |
|-------|-----------|--------|--------------------|-------|
| 4.144 | 9.73 ug/l | 275575 | Pentafluorobenzene | 7.979 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Butane, 2,2-dimethyl-               | 86  | C6H14    | 000075-83-2  | 64   |
| 2    |    |   | Sulfurous acid, isobutyl pentyl ... | 208 | C9H20O3S | 1000309-13-8 | 38   |
| 3    |    |   | 3-Hexanone, 2,5-dimethyl-4-nitro-   | 173 | C8H15NO3 | 059906-54-6  | 38   |
| 4    |    |   | Propanoic acid, 2-methyl-, 2-pro... | 128 | C7H12O2  | 015727-77-2  | 37   |
| 5    |    |   | Oxalic acid, isobutyl pentyl ester  | 216 | C11H20O4 | 1000309-37-0 | 36   |



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MSVOA\_D  
ClientSampleId :  
DA-11-4.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260

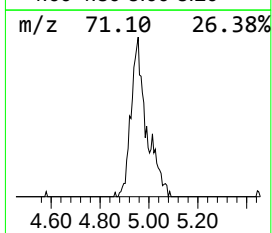
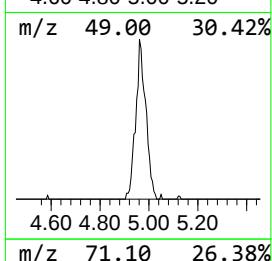
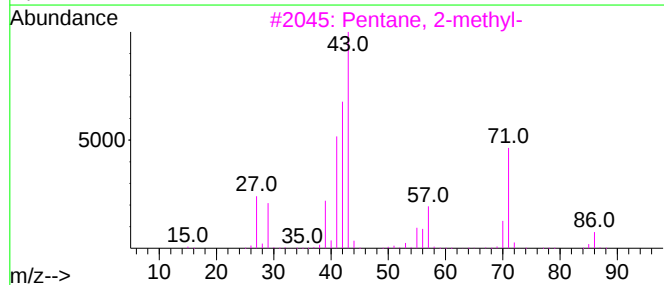
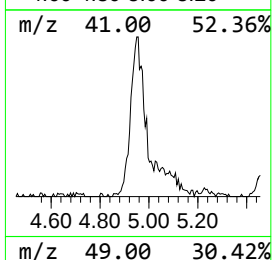
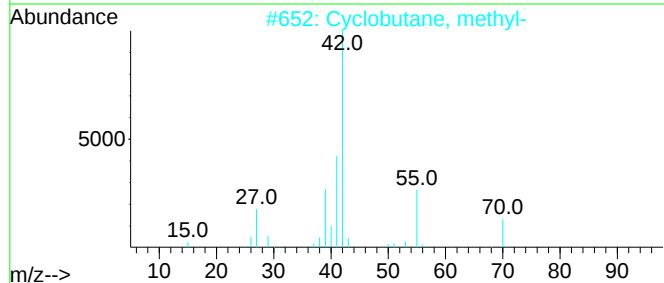
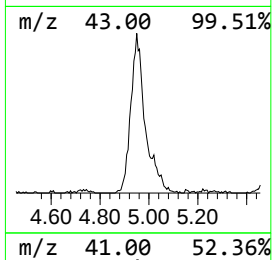
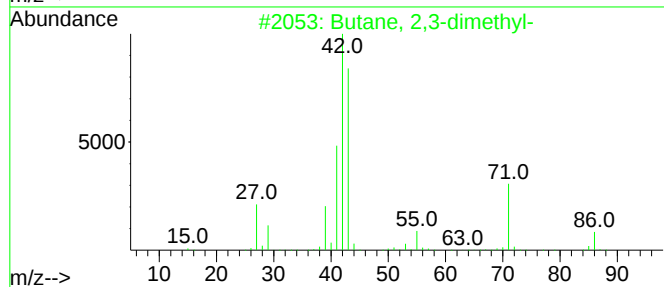
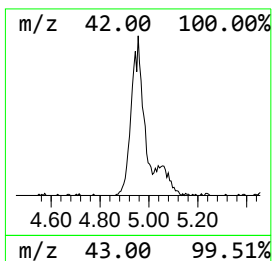
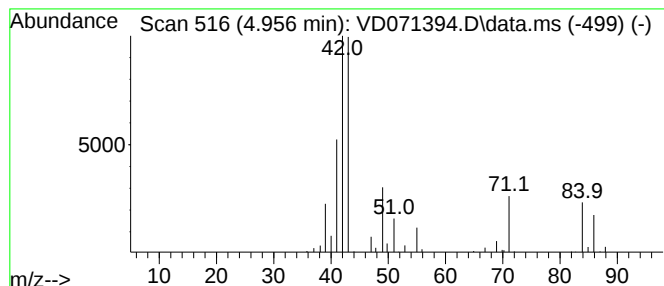
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown4.956 Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 4.956 | 15.86 ug/l | 449364 | Pentafluorobenzene | 7.979 |

| Hit# | of | 5 | Tentative ID                    | MW | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------|----|---------|-------------|------|
| 1    |    |   | Butane, 2,3-dimethyl-           | 86 | C6H14   | 000079-29-8 | 32   |
| 2    |    |   | Cyclobutane, methyl-            | 70 | C5H10   | 000598-61-8 | 22   |
| 3    |    |   | Pentane, 2-methyl-              | 86 | C6H14   | 000107-83-5 | 12   |
| 4    |    |   | Butyrolactone                   | 86 | C4H6O2  | 000096-48-0 | 10   |
| 5    |    |   | Ethenamine, N-methyl-N-nitroso- | 86 | C3H6N2O | 004549-40-0 | 9    |



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Misc : 6.31G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
DA-11-4.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260

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

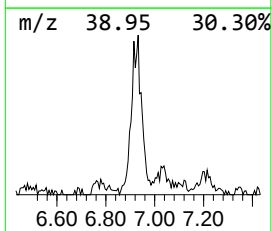
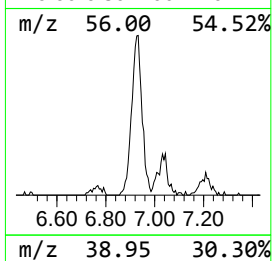
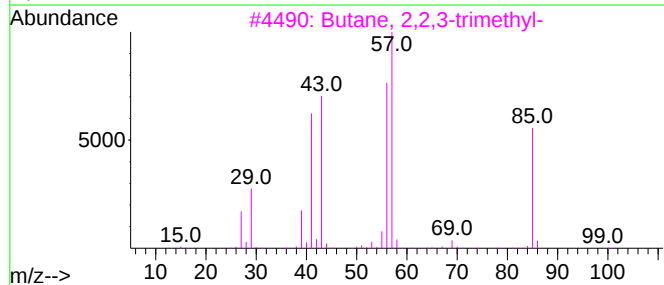
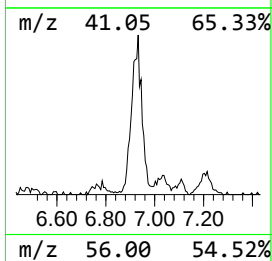
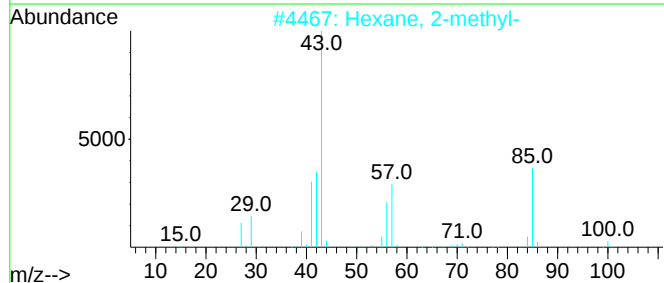
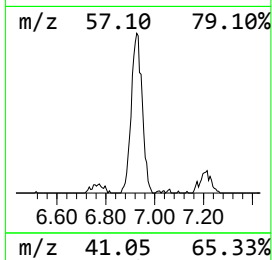
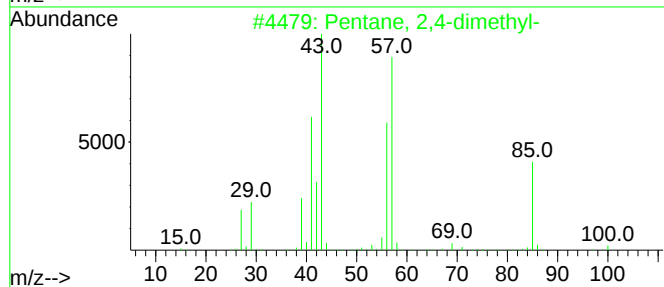
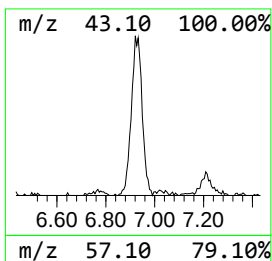
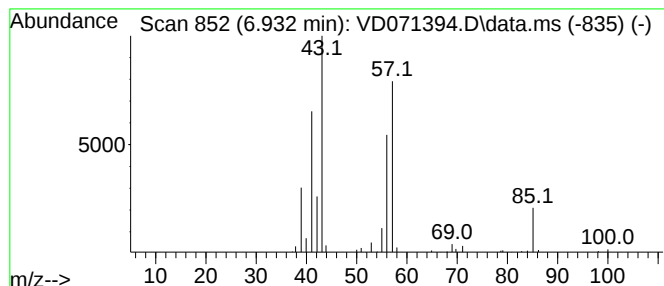
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Peak Number 3 Pentane, 2,4-dimethyl- Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 6.932 | 11.34 ug/l | 321205 | Pentafluorobenzene | 7.979 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentane, 2,4-dimethyl-   | 100 | C7H16   | 000108-08-7 | 72   |
| 2    |    |   | Hexane, 2-methyl-        | 100 | C7H16   | 000591-76-4 | 56   |
| 3    |    |   | Butane, 2,2,3-trimethyl- | 100 | C7H16   | 000464-06-2 | 53   |
| 4    |    |   | Pentane, 2,3-dimethyl-   | 100 | C7H16   | 000565-59-3 | 38   |
| 5    |    |   | Pentane, 2,2-dimethyl-   | 100 | C7H16   | 000590-35-2 | 38   |



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Sample : M5044-11  
Misc : 6.31G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
DA-11-4.5

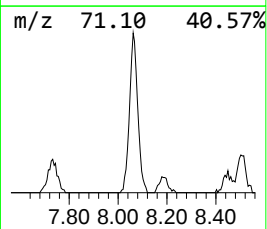
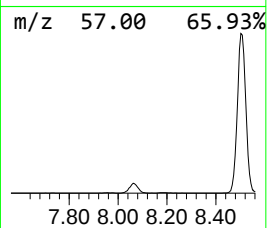
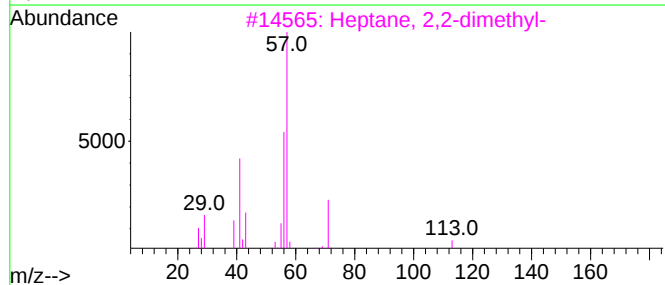
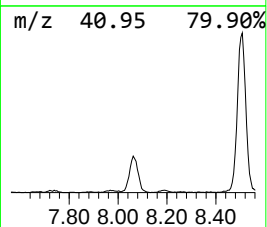
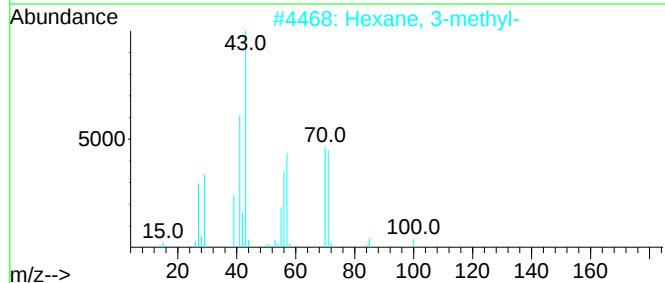
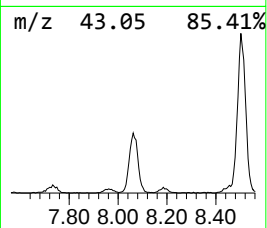
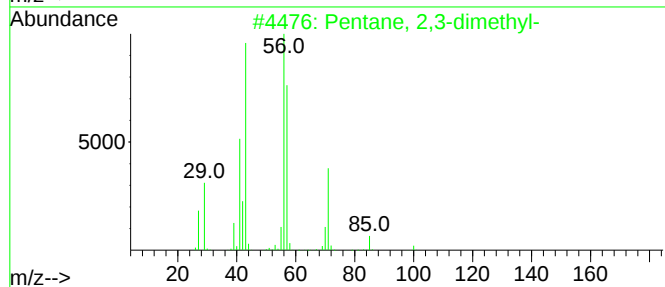
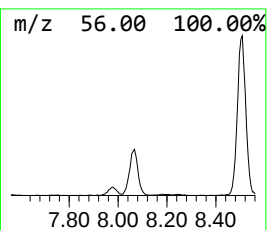
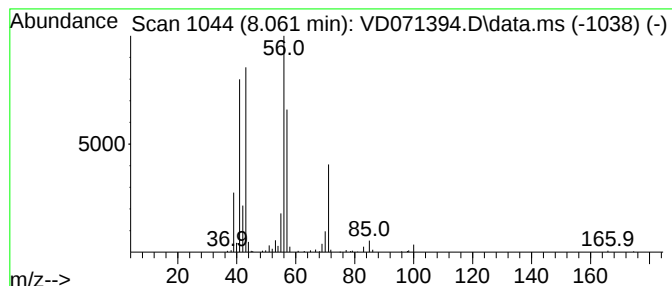
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260

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

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Peak Number 4 Pentane, 2,3-dimethyl- Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 8.061 | 16.70 ug/l | 473097 | Pentafluorobenzene | 7.979 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentane, 2,3-dimethyl- | 100 | C7H16   | 000565-59-3 | 91   |
| 2    |    |   | Hexane, 3-methyl-      | 100 | C7H16   | 000589-34-4 | 43   |
| 3    |    |   | Heptane, 2,2-dimethyl- | 128 | C9H20   | 001071-26-7 | 40   |
| 4    |    |   | Hexane, 3,4-dimethyl-  | 114 | C8H18   | 000583-48-2 | 38   |
| 5    |    |   | Aziridine, 2-methyl-   | 57  | C3H7N   | 000075-55-8 | 32   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122021\  
Data File : VD071394.D  
Acq On : 20 Dec 2021 17:51  
Operator : VA/SY  
Sample : M5044-11  
Misc : 6.31G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
DA-11-4.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260

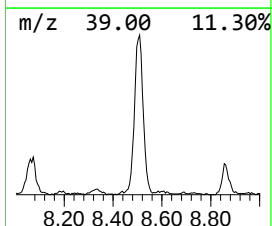
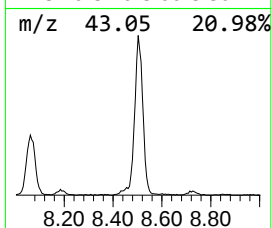
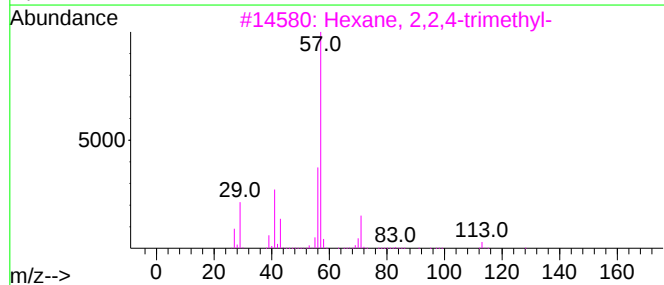
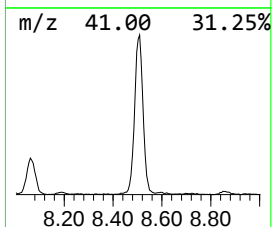
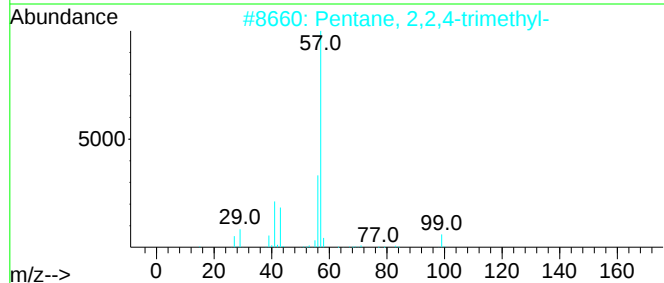
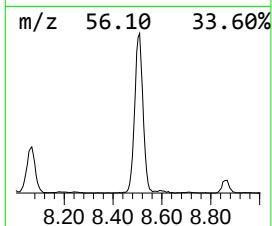
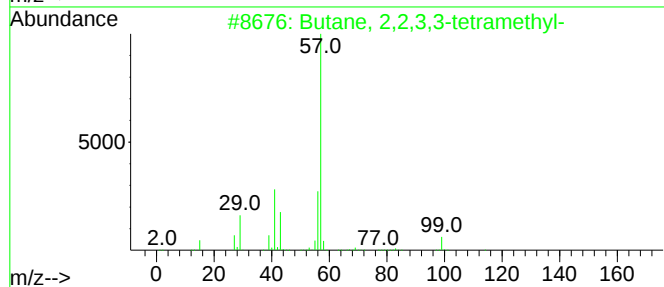
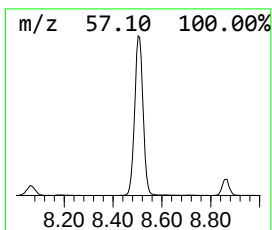
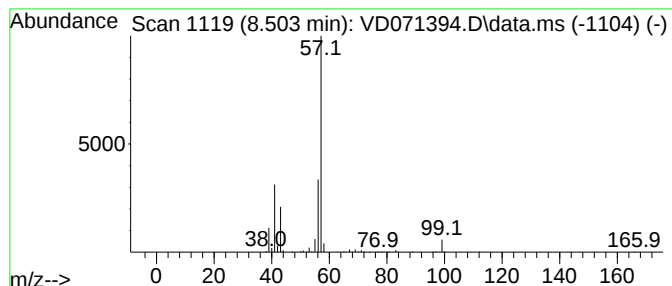
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Butane, 2,2,3,3-tetramethyl- Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD    | R.T.  |
|-------|------------|---------|---------------------|-------|
| 8.503 | 57.55 ug/l | 2248570 | 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 | 78   |
| 2    |    |   | Pentane, 2,2,4-trimethyl-     | 114 | C8H18   | 000540-84-1 | 72   |
| 3    |    |   | Hexane, 2,2,4-trimethyl-      | 128 | C9H20   | 016747-26-5 | 64   |
| 4    |    |   | Hexane, 2,2-dimethyl-         | 114 | C8H18   | 000590-73-8 | 64   |
| 5    |    |   | Pentane, 2,2,4,4-tetramethyl- | 128 | C9H20   | 001070-87-7 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122021\  
Data File : VD071394.D  
Acq On : 20 Dec 2021 17:51  
Operator : VA/SY  
Sample : M5044-11  
Misc : 6.31G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
DA-11-4.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260

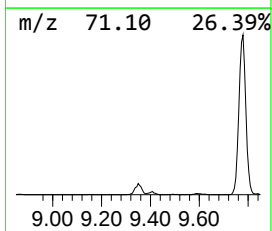
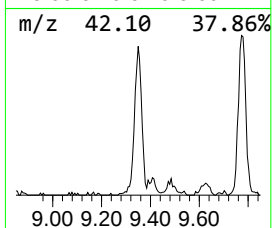
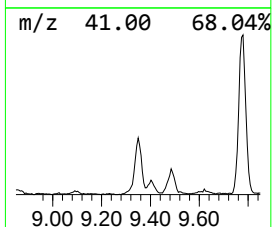
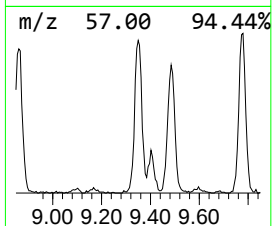
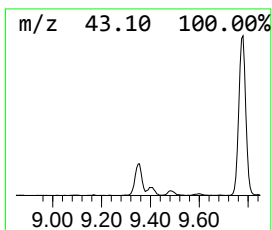
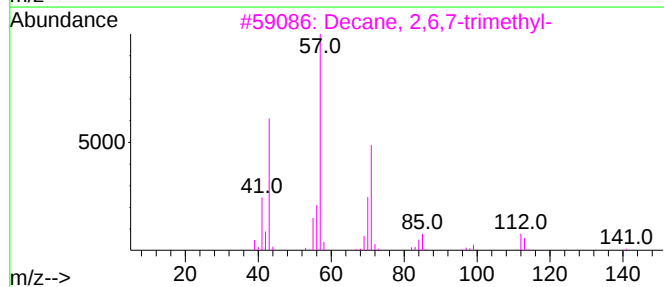
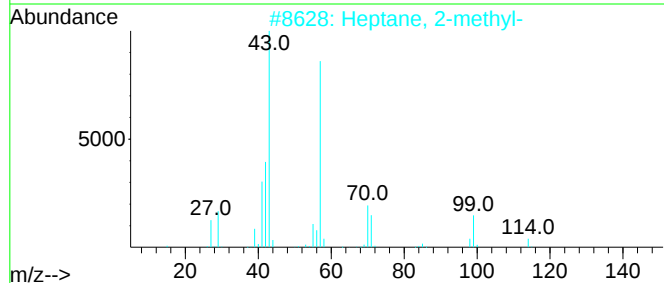
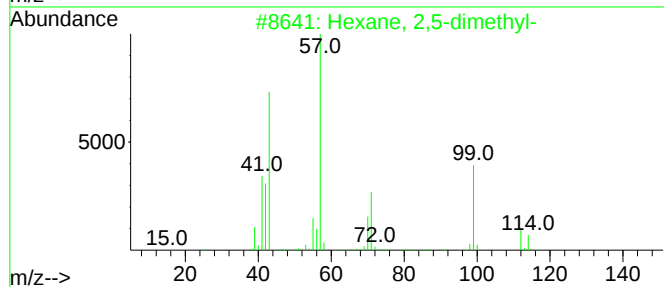
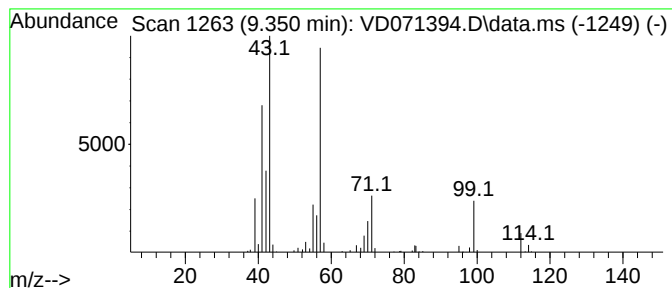
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Hexane, 2,5-dimethyl- Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 9.350 | 13.01 ug/l | 508186 | 1,4-Difluorobenzene | 8.861 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Hexane, 2,5-dimethyl-               | 114 | C8H18   | 000592-13-2 | 90   |
| 2    |    |   | Heptane, 2-methyl-                  | 114 | C8H18   | 000592-27-8 | 59   |
| 3    |    |   | Decane, 2,6,7-trimethyl-            | 184 | C13H28  | 062108-25-2 | 59   |
| 4    |    |   | Octane, 2,7-dimethyl-               | 142 | C10H22  | 001072-16-8 | 53   |
| 5    |    |   | 2(3H)-Furanone, dihydro-4,4-dime... | 114 | C6H10O2 | 013861-97-7 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122021\  
Data File : VD071394.D  
Acq On : 20 Dec 2021 17:51  
Operator : VA/SY  
Sample : M5044-11  
Misc : 6.31G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
DA-11-4.5

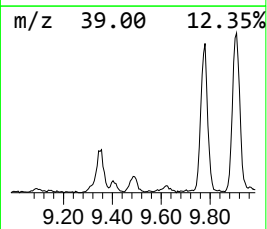
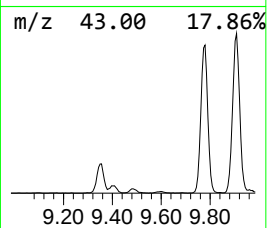
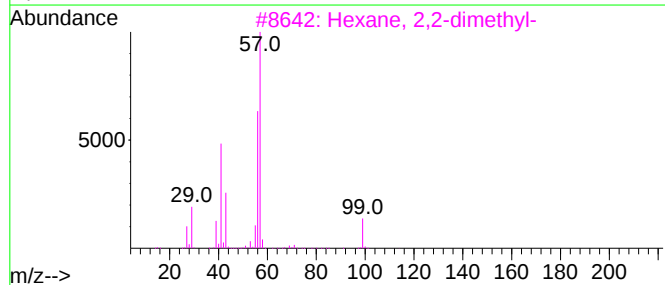
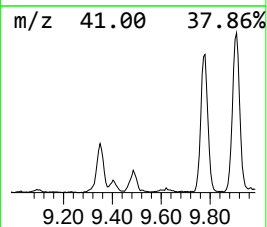
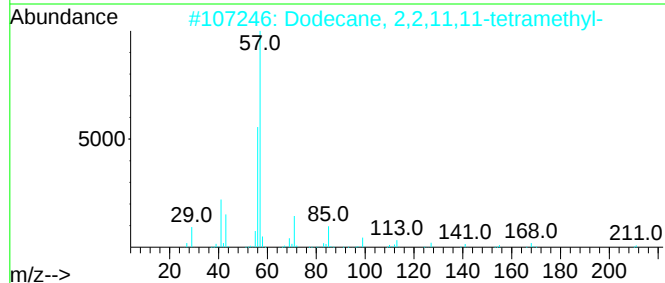
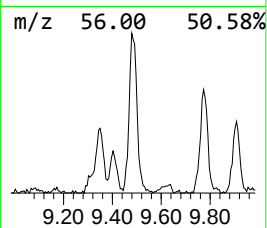
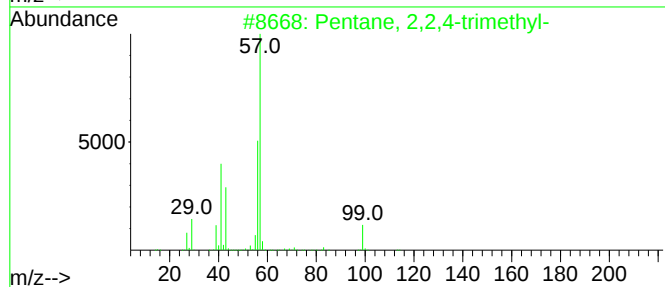
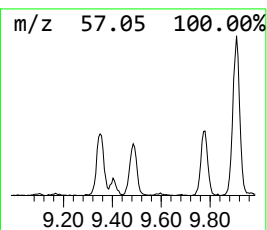
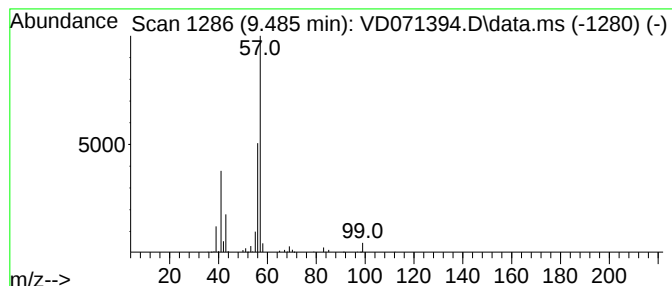
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Quant Title : SW846 8260

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

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Peak Number 7 Pentane, 2,2,4-trimethyl- Concentration Rank 10

| R.T.  | EstConc   | Area   | Relative to ISTD    | R.T.  |
|-------|-----------|--------|---------------------|-------|
| 9.485 | 5.35 ug/l | 209080 | 1,4-Difluorobenzene | 8.861 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentane, 2,2,4-trimethyl-        | 114 | C8H18   | 000540-84-1 | 72   |
| 2    |    |   | Dodecane, 2,2,11,11-tetramethyl- | 226 | C16H34  | 127204-12-0 | 64   |
| 3    |    |   | Hexane, 2,2-dimethyl-            | 114 | C8H18   | 000590-73-8 | 64   |
| 4    |    |   | Hexane, 2,2,3-trimethyl-         | 128 | C9H20   | 016747-25-4 | 64   |
| 5    |    |   | Pentane, 3-methyl-               | 86  | C6H14   | 000096-14-0 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122021\  
Data File : VD071394.D  
Acq On : 20 Dec 2021 17:51  
Operator : VA/SY  
Sample : M5044-11  
Misc : 6.31G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
DA-11-4.5

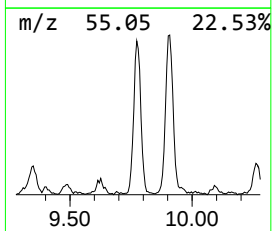
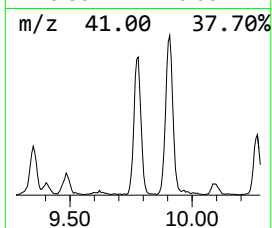
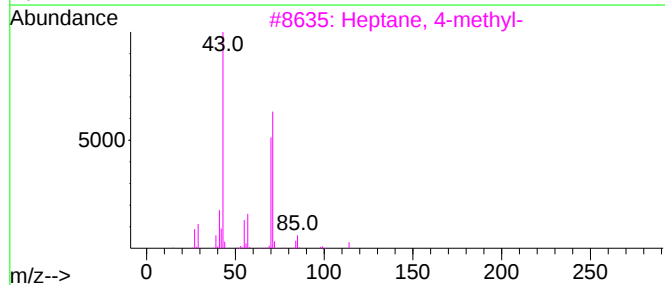
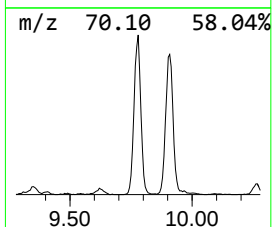
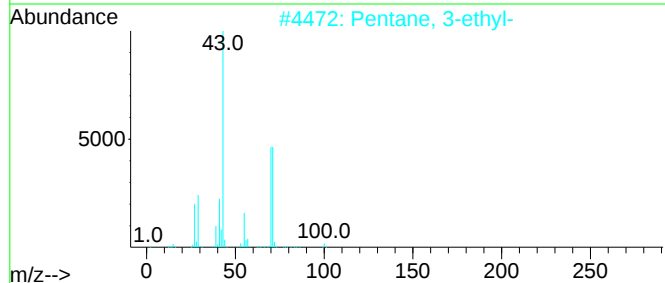
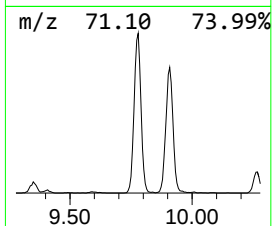
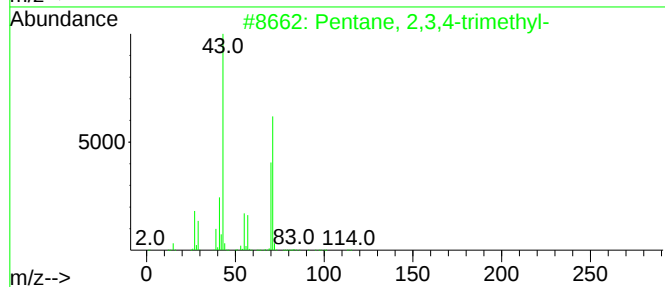
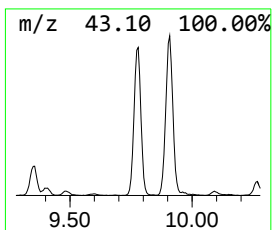
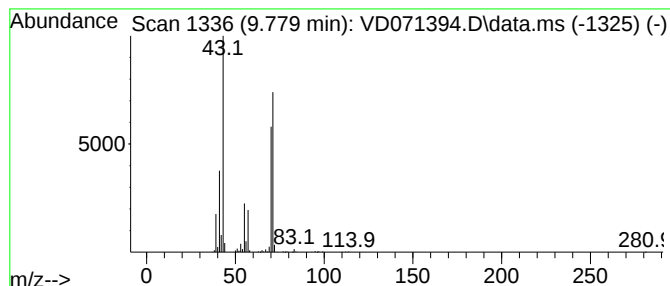
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Quant Title : SW846 8260

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

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Peak Number 8 Pentane, 2,3,4-trimethyl- Concentration Rank 3

| R.T.  | EstConc    | Area    | Relative to ISTD    | R.T.  |
|-------|------------|---------|---------------------|-------|
| 9.779 | 43.24 ug/l | 1689310 | 1,4-Difluorobenzene | 8.861 |

| Hit# | of | 5 | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentane, 2,3,4-trimethyl- | 114 | C8H18   | 000565-75-3 | 91   |
| 2    |    |   | Pentane, 3-ethyl-         | 100 | C7H16   | 000617-78-7 | 83   |
| 3    |    |   | Heptane, 4-methyl-        | 114 | C8H18   | 000589-53-7 | 83   |
| 4    |    |   | Hexane, 3-methyl-         | 100 | C7H16   | 000589-34-4 | 78   |
| 5    |    |   | Decane, 3,3,4-trimethyl-  | 184 | C13H28  | 049622-18-6 | 78   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122021\  
Data File : VD071394.D  
Acq On : 20 Dec 2021 17:51  
Operator : VA/SY  
Sample : M5044-11  
Misc : 6.31G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
DA-11-4.5

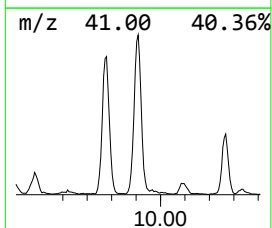
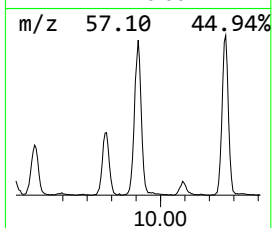
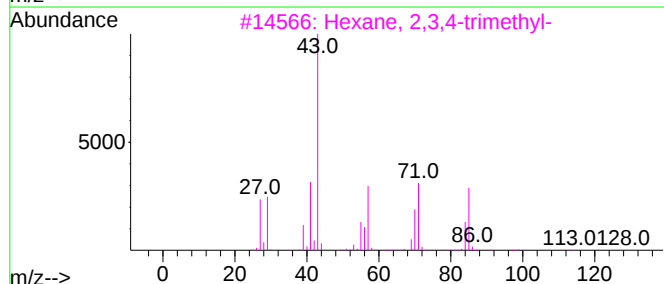
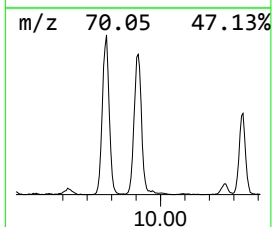
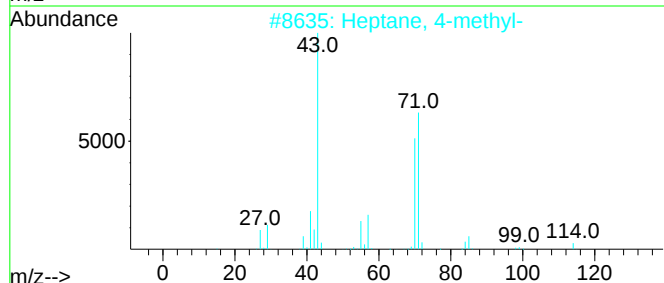
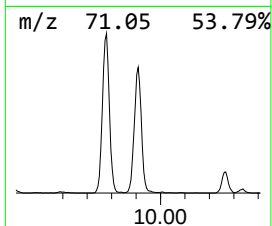
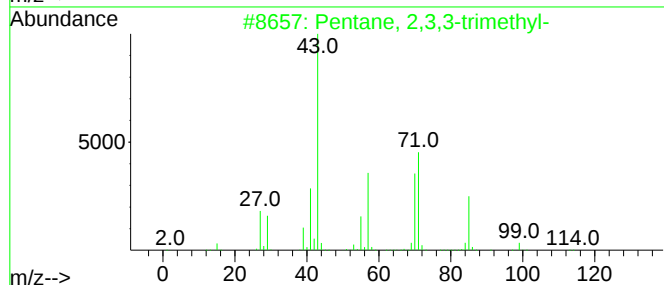
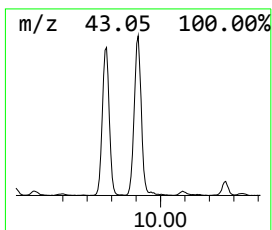
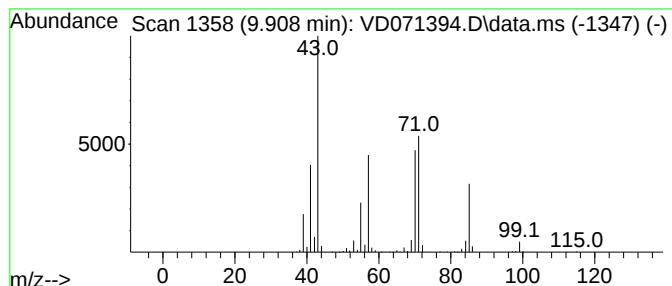
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 9 Pentane, 2,3,3-trimethyl- Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD    | R.T.  |
|-------|------------|---------|---------------------|-------|
| 9.908 | 54.56 ug/l | 2131550 | 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 | 90   |
| 2    |    |   | Heptane, 4-methyl-        | 114 | C8H18   | 000589-53-7 | 64   |
| 3    |    |   | Hexane, 2,3,4-trimethyl-  | 128 | C9H20   | 000921-47-1 | 59   |
| 4    |    |   | Pentane, 2,3,4-trimethyl- | 114 | C8H18   | 000565-75-3 | 59   |
| 5    |    |   | Hexane, 3,3-dimethyl-     | 114 | C8H18   | 000563-16-6 | 53   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122021\  
Data File : VD071394.D  
Acq On : 20 Dec 2021 17:51  
Operator : VA/SY  
Sample : M5044-11  
Misc : 6.31G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
DA-11-4.5

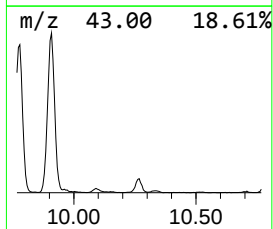
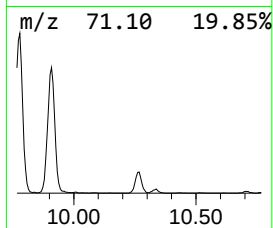
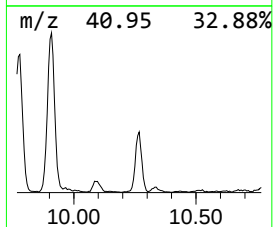
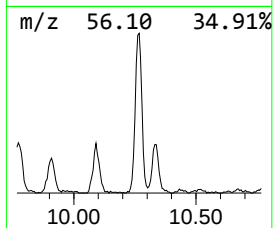
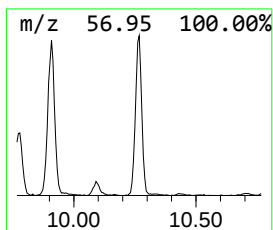
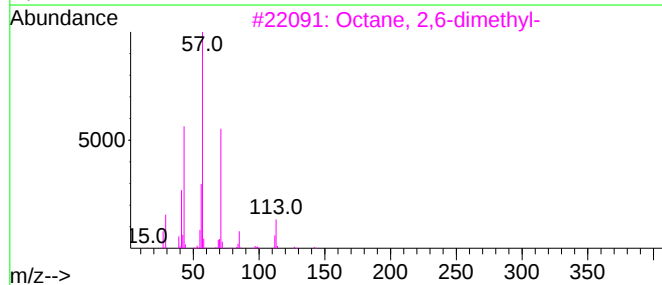
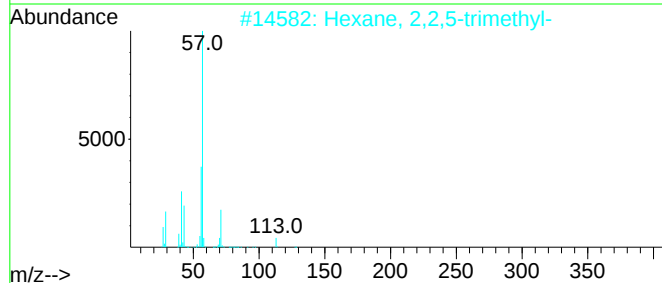
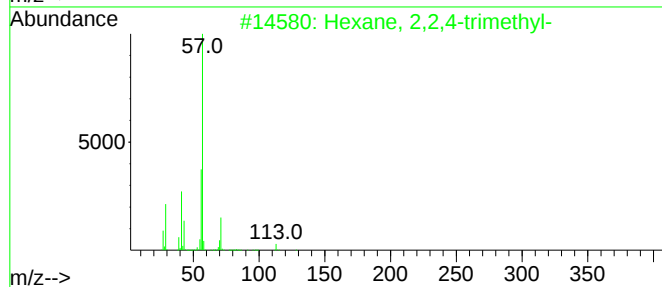
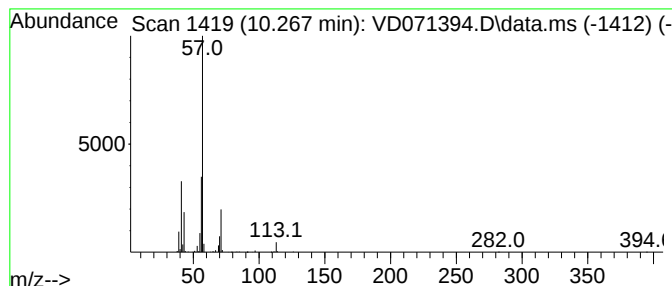
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Quant Title : SW846 8260

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

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Peak Number 10 Hexane, 2,2,4-trimethyl- Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 10.267 | 12.21 ug/l | 552696 | Chlorobenzene-d5 | 11.638 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Hexane, 2,2,4-trimethyl- | 128 | C9H20   | 016747-26-5 | 90   |
| 2    |    |   | Hexane, 2,2,5-trimethyl- | 128 | C9H20   | 003522-94-9 | 83   |
| 3    |    |   | Octane, 2,6-dimethyl-    | 142 | C10H22  | 002051-30-1 | 74   |
| 4    |    |   | Heptane, 2,2-dimethyl-   | 128 | C9H20   | 001071-26-7 | 59   |
| 5    |    |   | Octane, 2,2,6-trimethyl- | 156 | C11H24  | 062016-28-8 | 56   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122021\  
Data File : VD071394.D  
Acq On : 20 Dec 2021 17:51  
Operator : VA/SY  
Sample : M5044-11  
Misc : 6.31G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
DA-11-4.5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Butane, 2,2-dim... | 4.144  | 9.7     | ug/l  | 275575   | 1                     | 7.979  | 1416690 | 50.0 |
| unknown4.956       | 4.956  | 15.9    | ug/l  | 449364   | 1                     | 7.979  | 1416690 | 50.0 |
| Pentane, 2,4-di... | 6.932  | 11.3    | ug/l  | 321205   | 1                     | 7.979  | 1416690 | 50.0 |
| Pentane, 2,3-di... | 8.061  | 16.7    | ug/l  | 473097   | 1                     | 7.979  | 1416690 | 50.0 |
| Butane, 2,2,3,3... | 8.503  | 57.5    | ug/l  | 2248570  | 2                     | 8.861  | 1953520 | 50.0 |
| Hexane, 2,5-dim... | 9.350  | 13.0    | ug/l  | 508186   | 2                     | 8.861  | 1953520 | 50.0 |
| Pentane, 2,2,4-... | 9.485  | 5.3     | ug/l  | 209080   | 2                     | 8.861  | 1953520 | 50.0 |
| Pentane, 2,3,4-... | 9.779  | 43.2    | ug/l  | 1689310  | 2                     | 8.861  | 1953520 | 50.0 |
| Pentane, 2,3,3-... | 9.908  | 54.6    | ug/l  | 2131550  | 2                     | 8.861  | 1953520 | 50.0 |
| Hexane, 2,2,4-t... | 10.267 | 12.2    | ug/l  | 552696   | 3                     | 11.638 | 2264020 | 50.0 |