

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD071621\  
 Data File : VD069736.D  
 Acq On : 16 Jul 2021 20:25  
 Operator : VA/SY  
 Sample : M3056-01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RO-VNJ-239

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\82D071321S.M  
 Title : SW846 8260

Signal : TIC: VD069736.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         | 2.315       | 61            | 67          | 73           | rBV2     | 83753          | 130516        | 1.30%           | 0.450%        |
| 2         | 4.156       | 367           | 380         | 408          | rBV      | 3574043        | 10012373      | 100.00%         | 34.547%       |
| 3         | 4.426       | 415           | 426         | 441          | rVB3     | 67606          | 228561        | 2.28%           | 0.789%        |
| 4         | 4.962       | 506           | 517         | 529          | rBV2     | 63264          | 205783        | 2.06%           | 0.710%        |
| 5         | 7.208       | 887           | 899         | 911          | rBV      | 290480         | 761393        | 7.60%           | 2.627%        |
| 6         | 7.914       | 1009          | 1019        | 1024         | rBV      | 374893         | 905609        | 9.04%           | 3.125%        |
| 7         | 7.973       | 1024          | 1029        | 1041         | rVB      | 578743         | 1297064       | 12.95%          | 4.475%        |
| 8         | 8.326       | 1079          | 1089        | 1100         | rBV      | 355489         | 811415        | 8.10%           | 2.800%        |
| 9         | 8.861       | 1172          | 1180        | 1191         | rBV      | 895948         | 1861912       | 18.60%          | 6.424%        |
| 10        | 9.302       | 1238          | 1255        | 1263         | rBV      | 208144         | 411407        | 4.11%           | 1.420%        |
| 11        | 10.338      | 1422          | 1431        | 1439         | rBV      | 1582745        | 2889404       | 28.86%          | 9.970%        |
| 12        | 11.638      | 1642          | 1652        | 1664         | rBV      | 1621874        | 2829691       | 28.26%          | 9.764%        |
| 13        | 12.626      | 1813          | 1820        | 1828         | rBV      | 1224077        | 2035011       | 20.32%          | 7.022%        |
| 14        | 12.943      | 1869          | 1874        | 1883         | rVV2     | 76295          | 140172        | 1.40%           | 0.484%        |
| 15        | 13.567      | 1972          | 1980        | 1987         | rBV      | 1502560        | 2496081       | 24.93%          | 8.613%        |
| 16        | 13.885      | 2028          | 2034        | 2039         | rBV7     | 60899          | 126503        | 1.26%           | 0.436%        |
| 17        | 14.267      | 2094          | 2099        | 2106         | rBV5     | 63433          | 120911        | 1.21%           | 0.417%        |
| 18        | 14.426      | 2117          | 2126        | 2134         | rBV      | 130445         | 294846        | 2.94%           | 1.017%        |
| 19        | 14.532      | 2139          | 2144        | 2150         | rVV      | 64315          | 145959        | 1.46%           | 0.504%        |
| 20        | 14.602      | 2153          | 2156        | 2165         | rVB8     | 57461          | 137772        | 1.38%           | 0.475%        |
| 21        | 15.020      | 2216          | 2227        | 2233         | rBV3     | 127650         | 307883        | 3.08%           | 1.062%        |
| 22        | 15.085      | 2233          | 2238        | 2242         | rBV4     | 86486          | 140677        | 1.41%           | 0.485%        |
| 23        | 15.143      | 2244          | 2248        | 2252         | rBV3     | 75319          | 150064        | 1.50%           | 0.518%        |
| 24        | 15.426      | 2291          | 2296        | 2300         | rBV4     | 113803         | 243595        | 2.43%           | 0.841%        |
| 25        | 16.673      | 2503          | 2508        | 2513         | rVB5     | 141693         | 296935        | 2.97%           | 1.025%        |

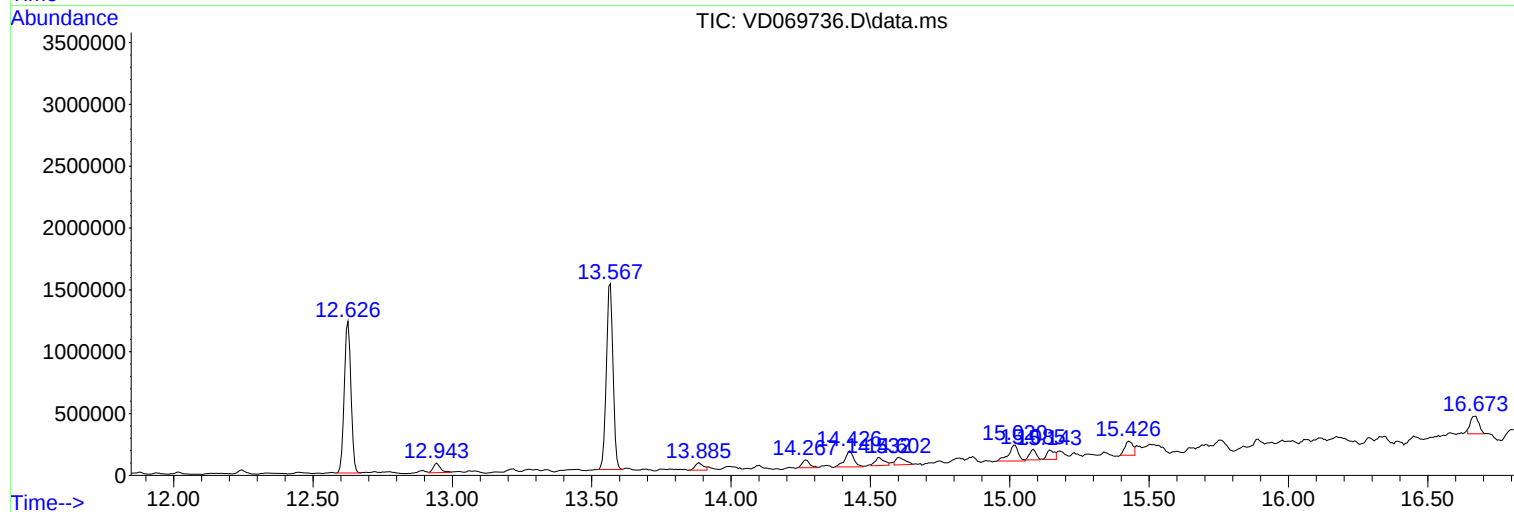
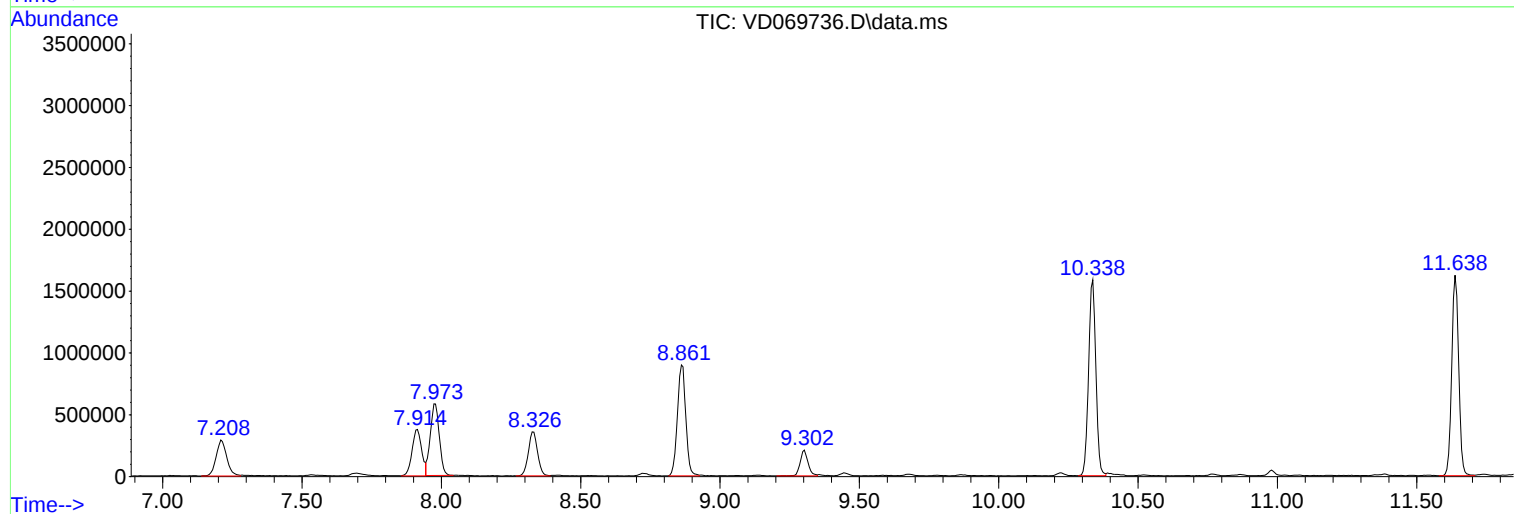
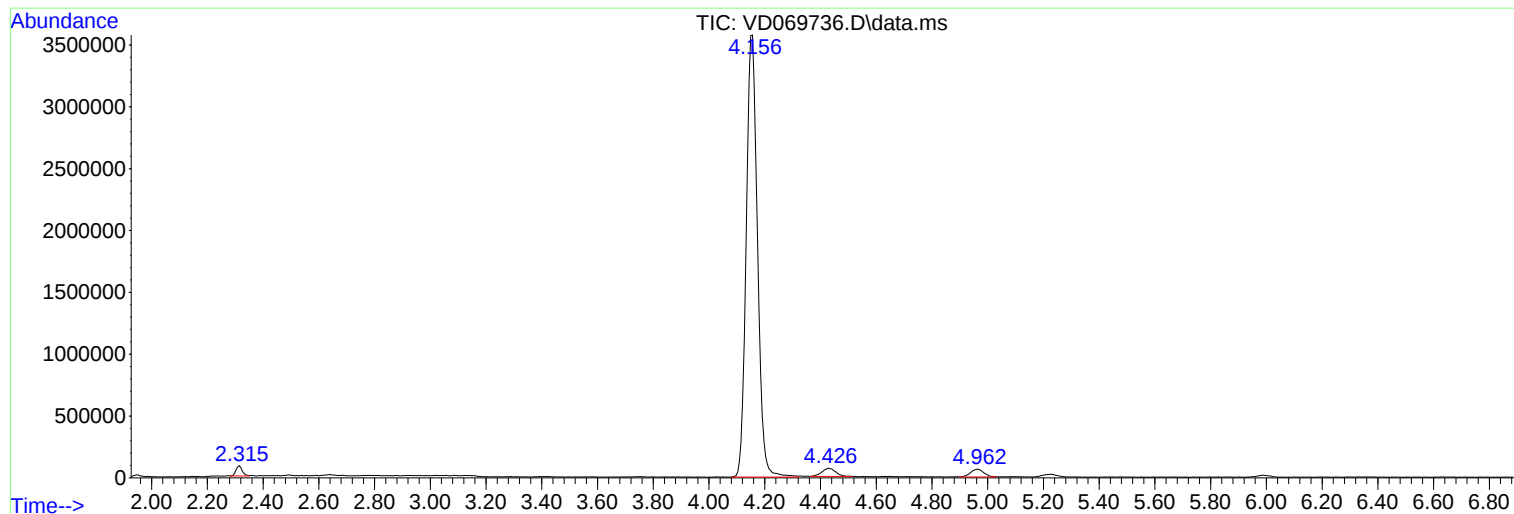
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ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
RO-VNJ-239

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071321S.M  
Quant Title : SW846 8260

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



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Quant Title : SW846 8260

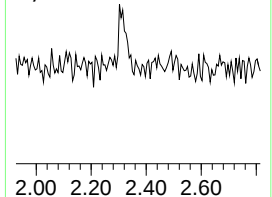
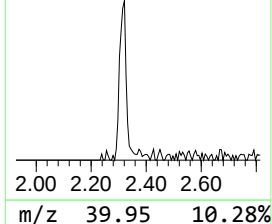
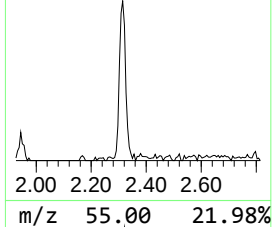
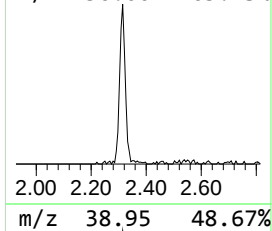
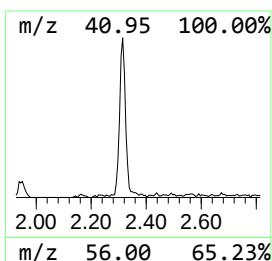
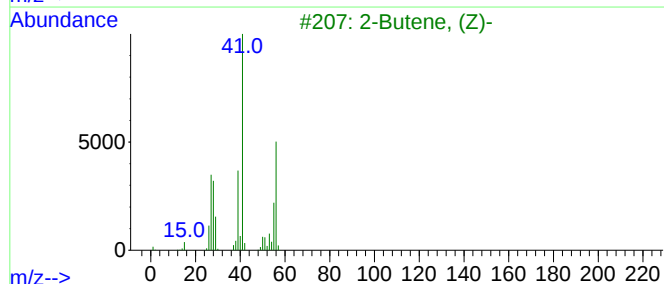
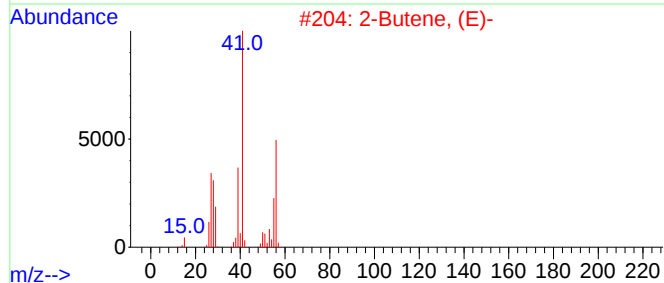
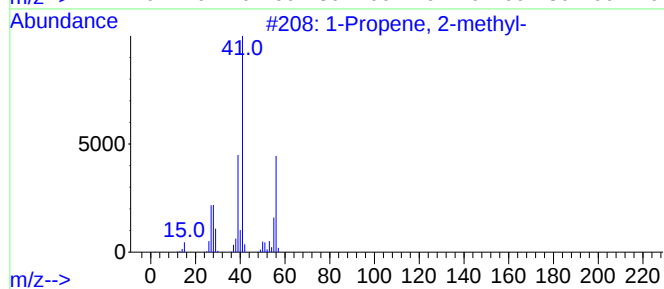
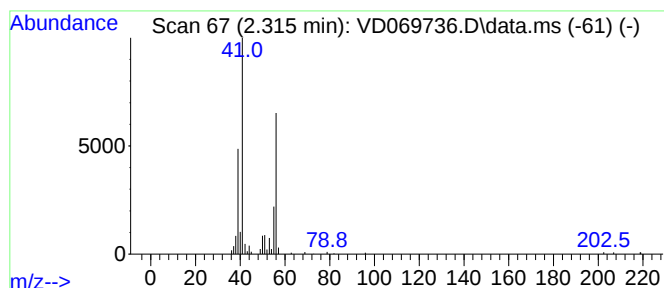
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 1-Propene, 2-methyl- Concentration Rank 7

| R.T.  | EstConc   | Area   | Relative to ISTD   | R.T.  |
|-------|-----------|--------|--------------------|-------|
| 2.315 | 5.03 ug/l | 130516 | Pentafluorobenzene | 7.973 |

| Hit# | of | 5 | Tentative ID         | MW | MolForm | CAS#        | Qual |
|------|----|---|----------------------|----|---------|-------------|------|
| 1    |    |   | 1-Propene, 2-methyl- | 56 | C4H8    | 000115-11-7 | 90   |
| 2    |    |   | 2-Butene, (E)-       | 56 | C4H8    | 000624-64-6 | 80   |
| 3    |    |   | 2-Butene, (Z)-       | 56 | C4H8    | 000590-18-1 | 80   |
| 4    |    |   | 2-Butene             | 56 | C4H8    | 000107-01-7 | 72   |
| 5    |    |   | 1-Butene             | 56 | C4H8    | 000106-98-9 | 64   |



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ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
RO-VNJ-239

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071321S.M  
Quant Title : SW846 8260

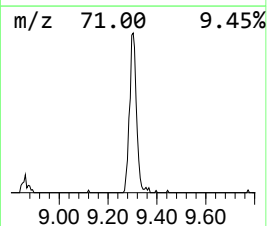
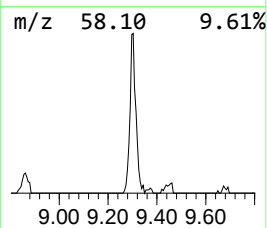
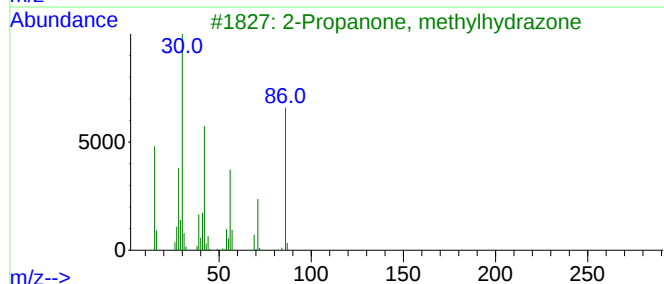
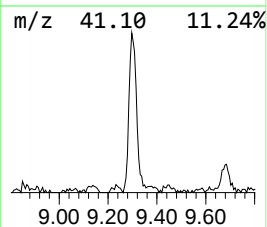
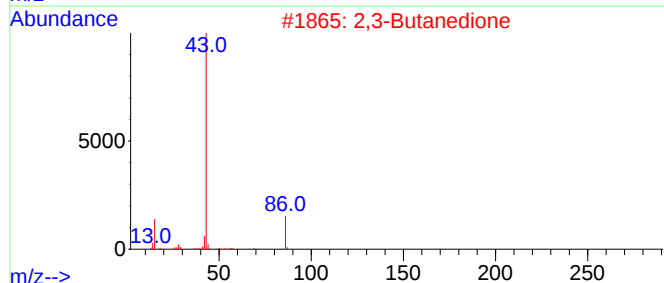
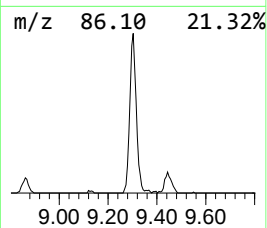
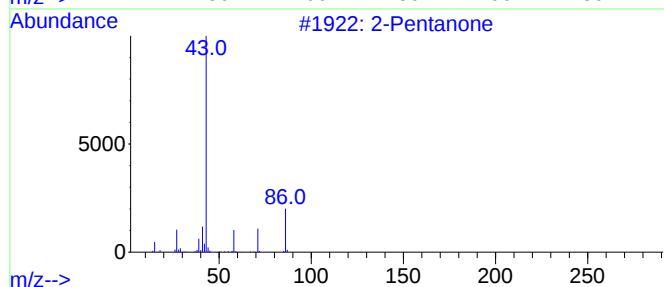
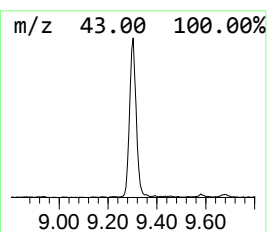
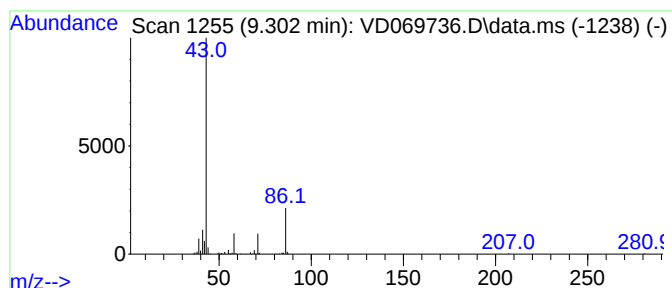
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 2-Pentanone Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD    | R.T.  |
|-------|------------|--------|---------------------|-------|
| 9.302 | 11.05 ug/l | 411407 | 1,4-Difluorobenzene | 8.867 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone                  | 86  | C5H10O  | 000107-87-9 | 87   |
| 2    |    |   | 2,3-Butanedione              | 86  | C4H6O2  | 000431-03-8 | 47   |
| 3    |    |   | 2-Propanone, methylhydrazone | 86  | C4H10N2 | 005771-02-8 | 17   |
| 4    |    |   | Allyl acetate                | 100 | C5H8O2  | 000591-87-7 | 10   |
| 5    |    |   | Butane                       | 58  | C4H10   | 000106-97-8 | 9    |



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Sample : M3056-01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
RO-VNJ-239

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071321S.M  
Quant Title : SW846 8260

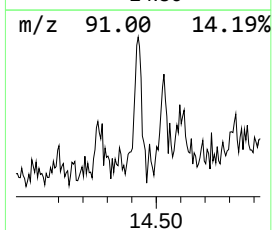
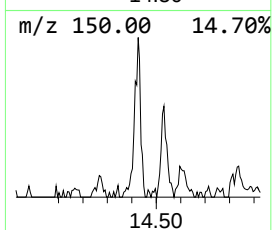
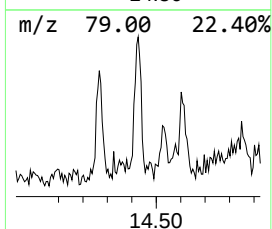
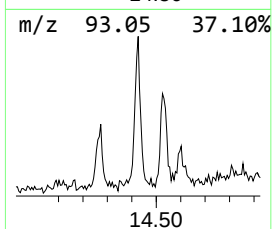
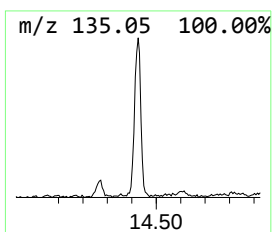
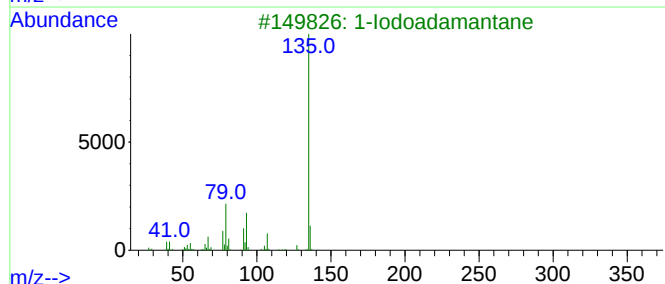
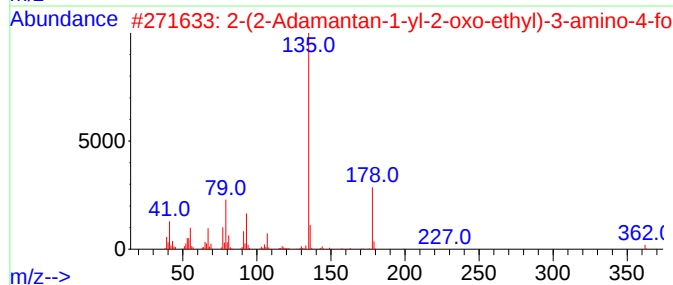
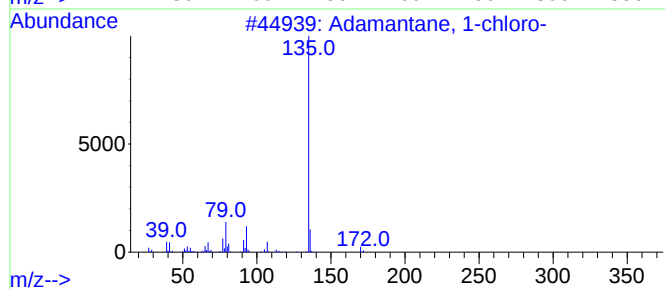
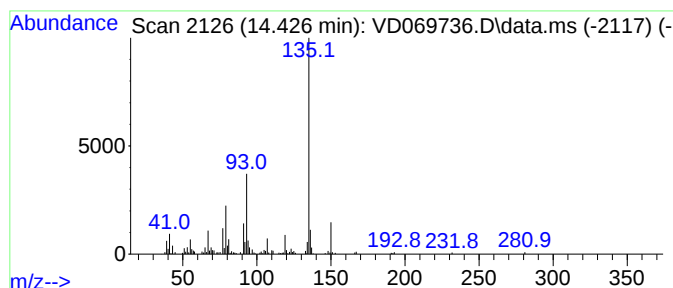
TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Adamantane, 1-chloro- Concentration Rank 6

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.426 | 5.91 ug/l | 294846 | 1,4-Dichlorobenzene-d4 | 13.567 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Adamantane, 1-chloro-               | 170 | C10H15Cl    | 000935-56-8  | 72   |
| 2    |    |   | 2-(2-Adamantan-1-yl-2-oxo-ethyl)... | 362 | C21H22N4O2  | 1000277-75-6 | 72   |
| 3    |    |   | 1-Iodoadamantane                    | 262 | C10H15I     | 000768-93-4  | 64   |
| 4    |    |   | Ethyladamantane-1-carboxylate       | 208 | C13H20O2    | 002094-73-7  | 64   |
| 5    |    |   | Phosphonic dichloride, 1-adamantyl- | 252 | C10H15Cl2OP | 1000294-15-7 | 64   |



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ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
RO-VNJ-239

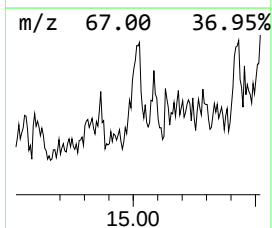
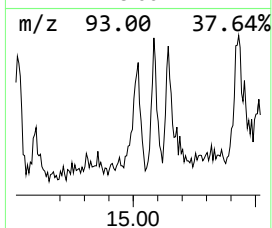
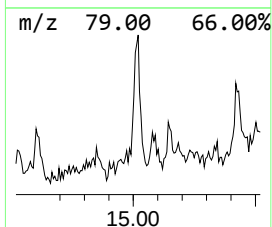
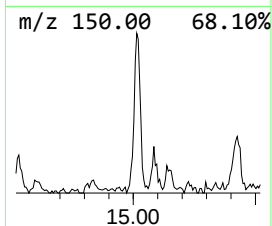
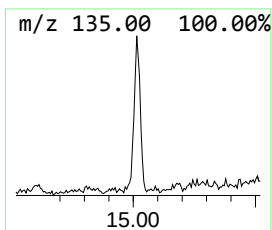
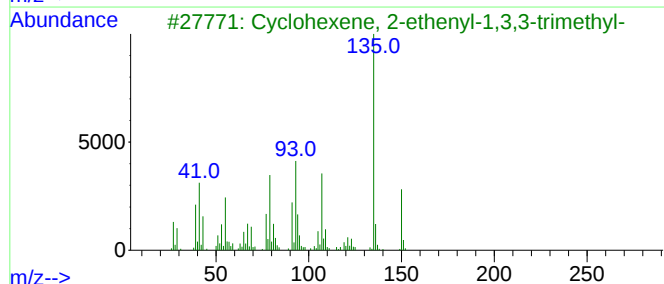
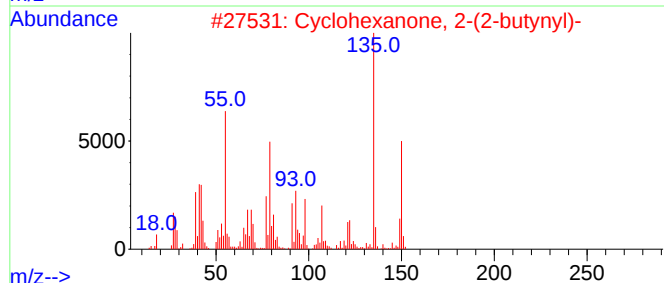
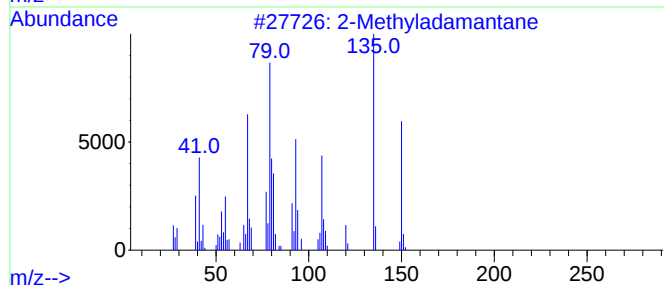
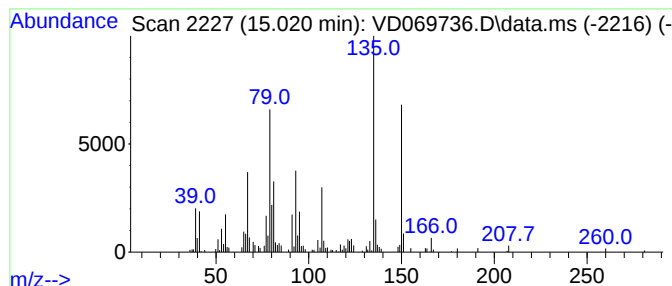
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071321S.M  
Quant Title : SW846 8260

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

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Peak Number 6 2-Methyladamantane Concentration Rank 4

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 15.020 | 6.17 ug/l | 307883 | 1,4-Dichlorobenzene-d4 | 13.567 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | 2-Methyladamantane                  | 150 | C11H18  | 000700-56-1  | 91   |
| 2    |    |   | Cyclohexanone, 2-(2-butynyl)-       | 150 | C10H14O | 054166-48-2  | 74   |
| 3    |    |   | Cyclohexene, 2-ethenyl-1,3,3-tri... | 150 | C11H18  | 005293-90-3  | 68   |
| 4    |    |   | Y-Methylbicyclo(4.3.0)non-6-en-8... | 150 | C10H14O | 1000424-65-9 | 64   |
| 5    |    |   | Ethyltetramethylcyclopentadiene     | 150 | C11H18  | 057693-77-3  | 60   |



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Instrument :  
MSVOA\_D  
ClientSampleId :  
RO-VNJ-239

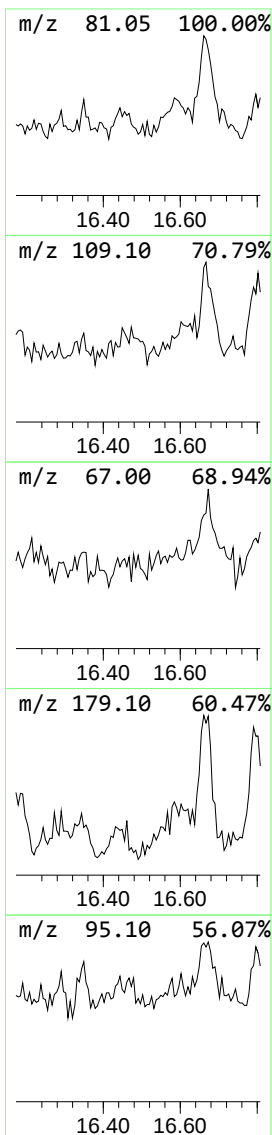
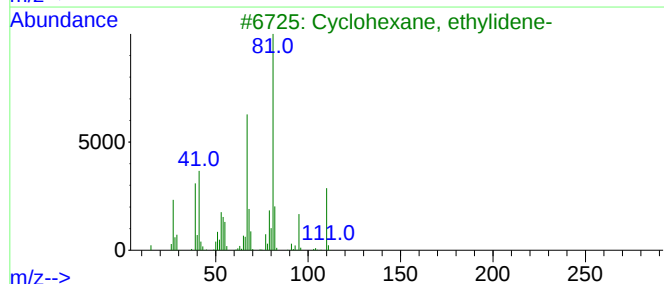
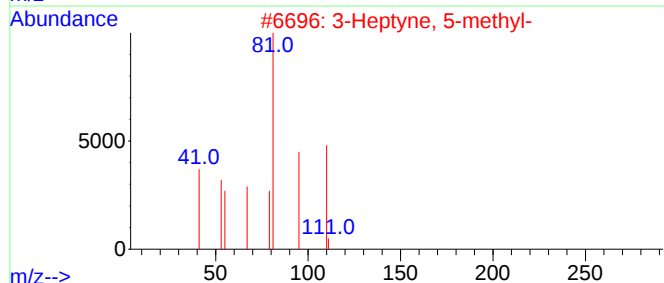
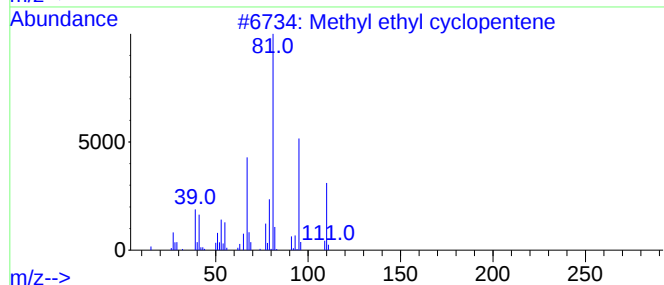
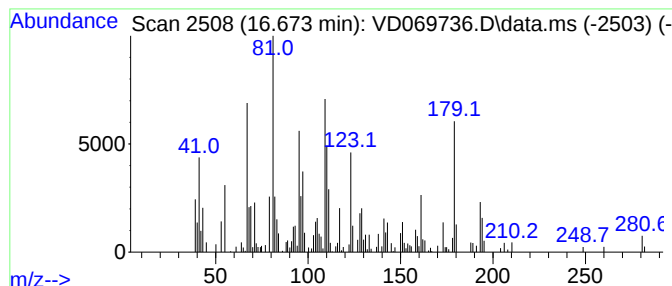
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071321S.M  
Quant Title : SW846 8260

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

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Peak Number 7 unknown16.673 Concentration Rank 5

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 16.673 | 5.95 ug/l | 296935 | 1,4-Dichlorobenzene-d4 | 13.567 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Methyl ethyl cyclopentene           | 110 | C8H14   | 019780-56-4  | 38   |
| 2    |    |   | 3-Heptyne, 5-methyl-                | 110 | C8H14   | 061228-09-9  | 35   |
| 3    |    |   | Cyclohexane, ethylidene-            | 110 | C8H14   | 001003-64-1  | 27   |
| 4    |    |   | 3,4,5-Trimethylpyrazole             | 110 | C6H10N2 | 005519-42-6  | 25   |
| 5    |    |   | 1H-Naphthalen-2-one, 3,4,5,6,7,8... | 180 | C12H20O | 1010164-27-1 | 25   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD071621\  
Data File : VD069736.D  
Acq On : 16 Jul 2021 20:25  
Operator : VA/SY  
Sample : M3056-01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
RO-VNJ-239

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D071321S.M  
Quant Title : SW846 8260

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| 1-Propene, 2-me... | 2.315  | 5.0     | ug/l  | 130516   | 1                     | 7.973  | 1297060 | 50.0 |
| 2-Pentanone        | 9.302  | 11.1    | ug/l  | 411407   | 2                     | 8.867  | 1861910 | 50.0 |
| Adamantane, 1-c... | 14.426 | 5.9     | ug/l  | 294846   | 4                     | 13.567 | 2496080 | 50.0 |
| 2-Methyladamantane | 15.020 | 6.2     | ug/l  | 307883   | 4                     | 13.567 | 2496080 | 50.0 |
| unknown16.673      | 16.673 | 6.0     | ug/l  | 296935   | 4                     | 13.567 | 2496080 | 50.0 |