

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122920\  
 Data File : VD067967.D  
 Acq On : 29 Dec 2020 15:59  
 Operator : VA/SY  
 Sample : L5235-01  
 Misc : 5.70G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TR-05-122920

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % 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\_D\Method\82D122220S.M

Title : Sw846 8260

Signal : TIC: VD067967.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         | 4.150       | 368           | 379         | 395          | rBV      | 486586         | 1372592       | 6.63%           | 3.556%        |
| 2         | 7.914       | 1008          | 1019        | 1022         | rBV      | 313623         | 726563        | 3.51%           | 1.882%        |
| 3         | 7.973       | 1022          | 1029        | 1037         | rVV2     | 652694         | 1880459       | 9.09%           | 4.871%        |
| 4         | 8.061       | 1037          | 1044        | 1055         | rVB2     | 117648         | 286626        | 1.39%           | 0.742%        |
| 5         | 8.185       | 1055          | 1065        | 1078         | rBV2     | 423378         | 988634        | 4.78%           | 2.561%        |
| 6         | 8.332       | 1081          | 1090        | 1100         | rVB2     | 285929         | 700963        | 3.39%           | 1.816%        |
| 7         | 8.720       | 1146          | 1156        | 1167         | rBV      | 520409         | 1049543       | 5.07%           | 2.719%        |
| 8         | 8.861       | 1172          | 1180        | 1192         | rBV      | 801453         | 1641918       | 7.94%           | 4.253%        |
| 9         | 9.349       | 1250          | 1263        | 1269         | rBV2     | 154744         | 382637        | 1.85%           | 0.991%        |
| 10        | 10.338      | 1423          | 1431        | 1436         | rBV      | 1244063        | 2303720       | 11.13%          | 5.967%        |
| 11        | 10.402      | 1436          | 1442        | 1457         | rVB      | 11424950       | 20690423      | 100.00%         | 53.596%       |
| 12        | 11.643      | 1643          | 1653        | 1664         | rBV      | 1043797        | 1802253       | 8.71%           | 4.668%        |
| 13        | 12.632      | 1814          | 1821        | 1831         | rVB      | 798738         | 1289179       | 6.23%           | 3.339%        |
| 14        | 13.573      | 1975          | 1981        | 1991         | rVB      | 951517         | 1635075       | 7.90%           | 4.235%        |
| 15        | 13.773      | 2004          | 2015        | 2030         | rBV      | 753597         | 1481208       | 7.16%           | 3.837%        |
| 16        | 14.832      | 2187          | 2195        | 2201         | rBV3     | 157240         | 372950        | 1.80%           | 0.966%        |

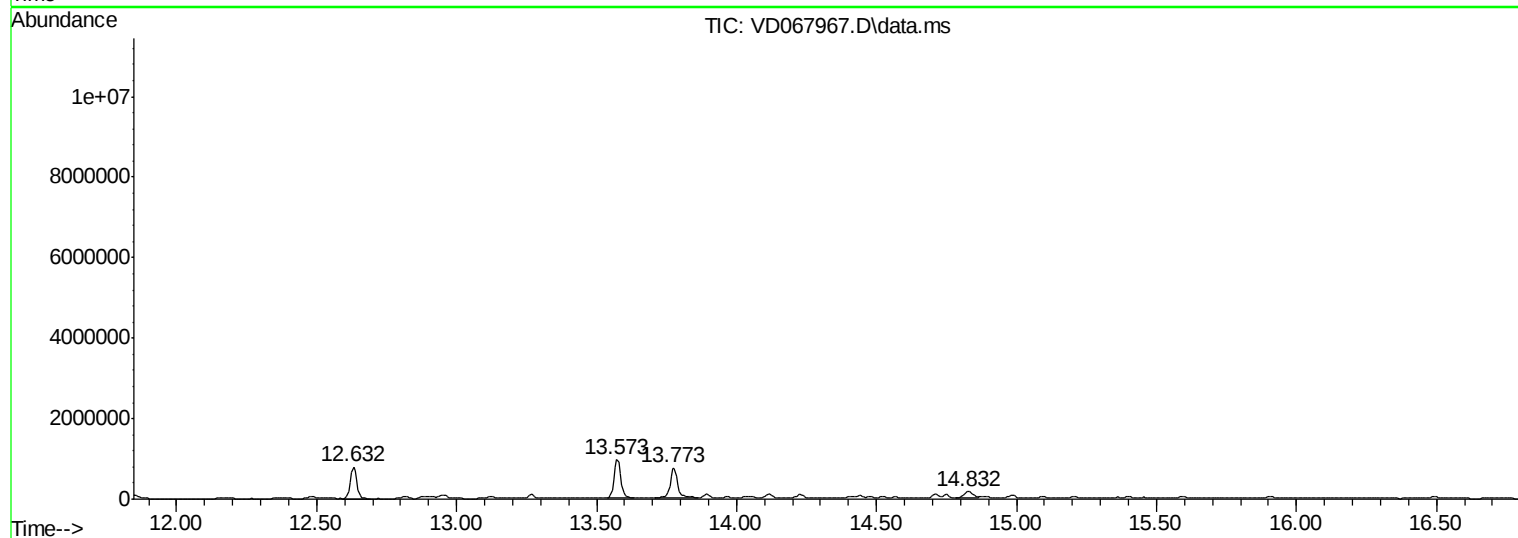
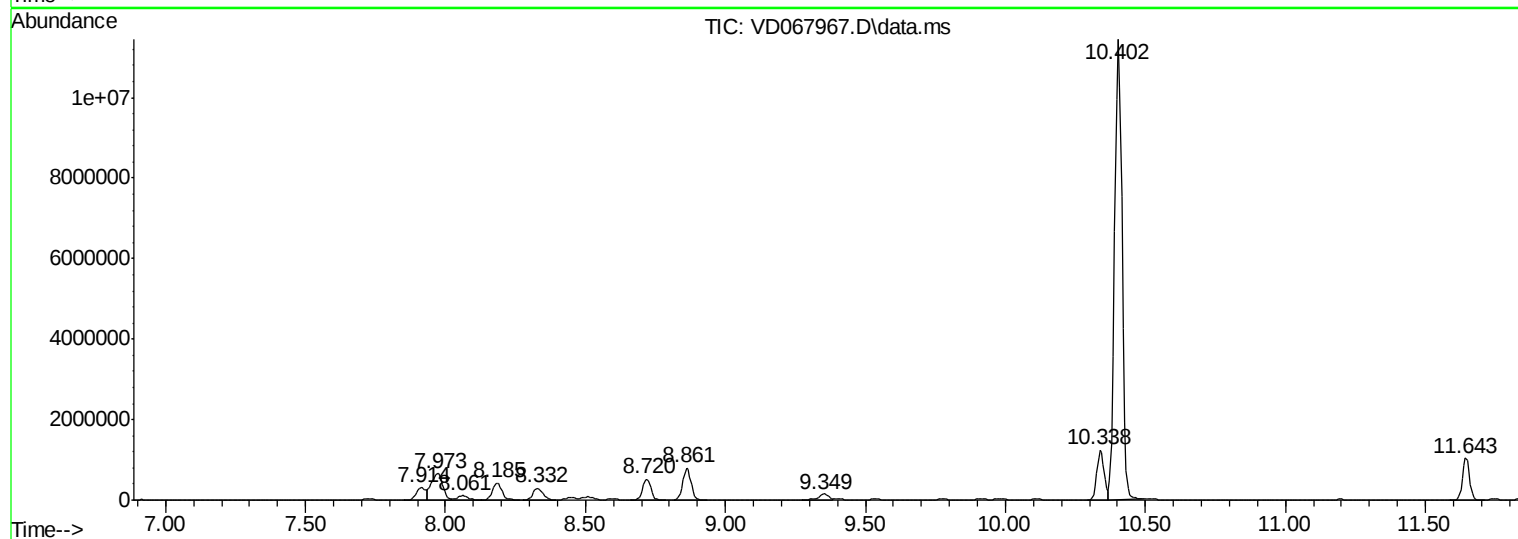
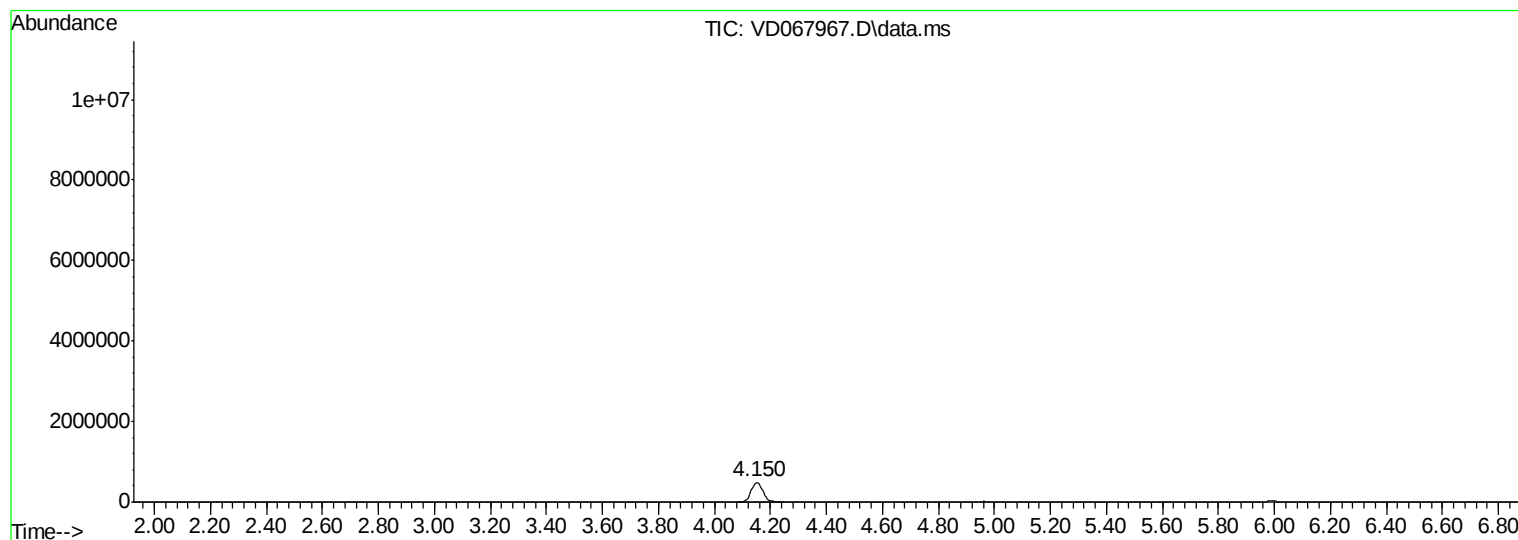
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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
TR-05-122920

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122220S.M  
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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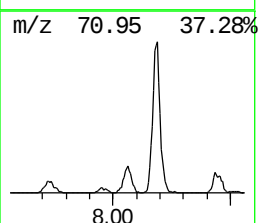
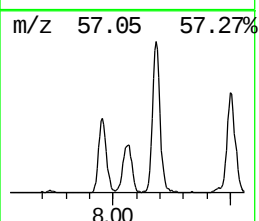
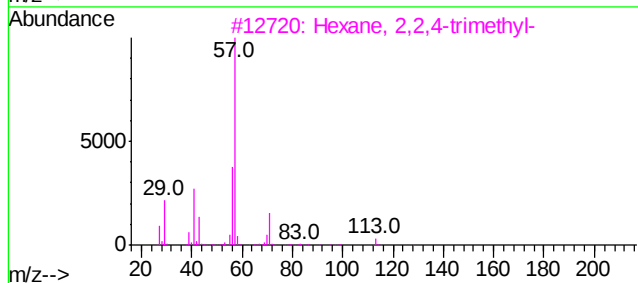
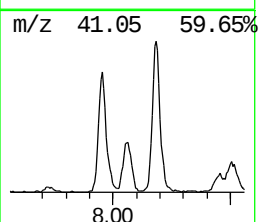
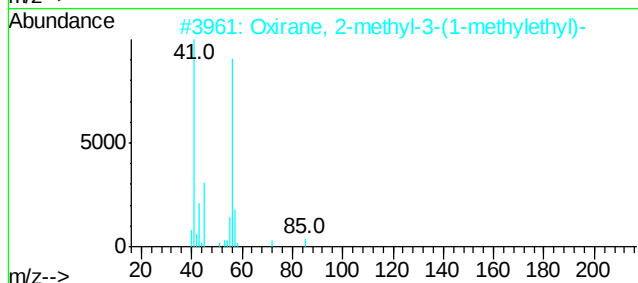
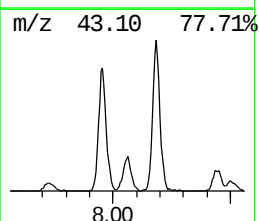
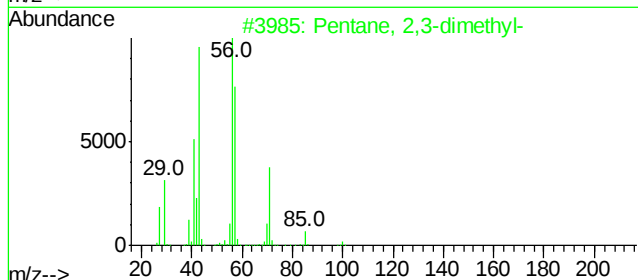
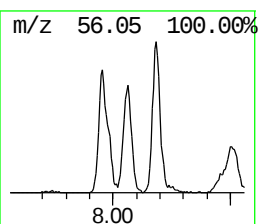
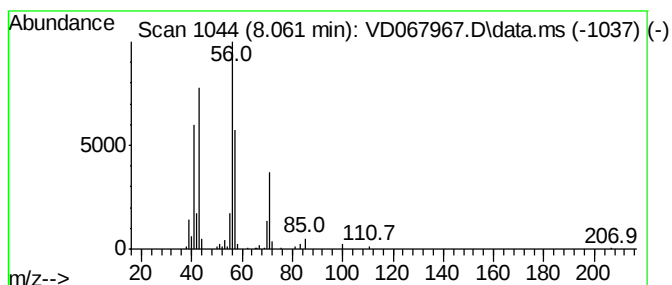
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Pentane, 2,3-dimethyl- Concentration Rank 5

| R.T.  | EstConc   | Area   | Relative to ISTD   | R.T.  |
|-------|-----------|--------|--------------------|-------|
| 8.061 | 7.62 ug/l | 286626 | Pentafluorobenzene | 7.979 |

| Hit# of 5 | Tentative ID                         | Mw  | MolForm | CAS#        | Qual |
|-----------|--------------------------------------|-----|---------|-------------|------|
| 1         | Pentane, 2,3-dimethyl-               | 100 | C7H16   | 000565-59-3 | 91   |
| 2         | Oxirane, 2-methyl-3-(1-methylethyl)- | 100 | C6H12O  | 001192-31-0 | 47   |
| 3         | Hexane, 2,2,4-trimethyl-             | 128 | C9H20   | 016747-26-5 | 45   |
| 4         | 1-Pentanol, 2,3-dimethyl-            | 116 | C7H16O  | 010143-23-4 | 45   |
| 5         | Hexyl octyl ether                    | 214 | C14H30O | 017071-54-4 | 43   |



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ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122220S.M  
Quant Title : SW846 8260

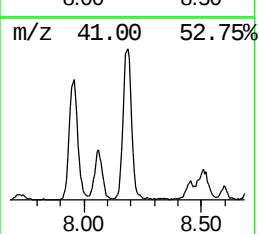
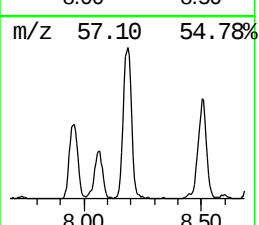
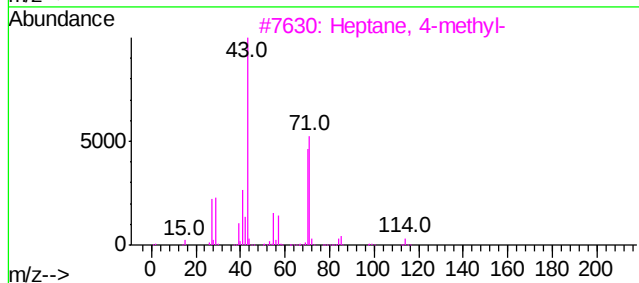
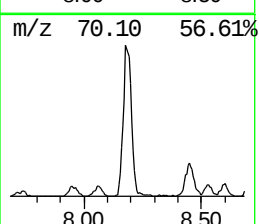
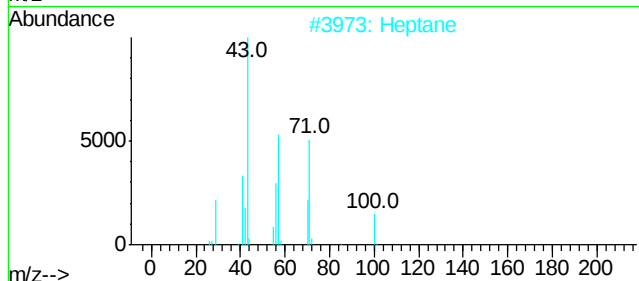
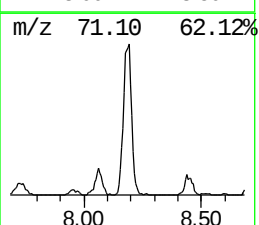
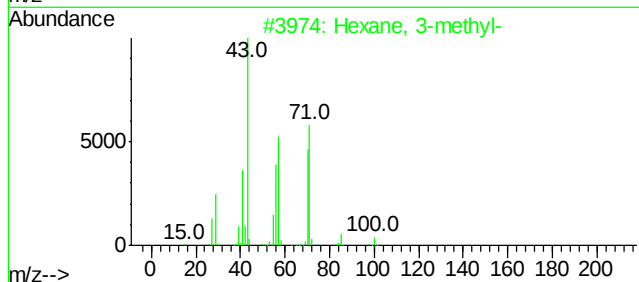
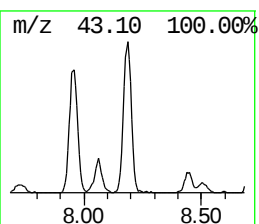
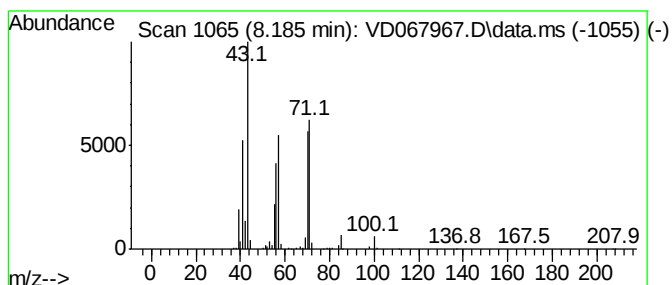
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Hexane, 3-methyl- Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 8.185 | 26.29 ug/l | 988634 | Pentafluorobenzene | 7.979 |

| Hit# of 5 | Tentative ID              | Mw  | MolForm | CAS#        | Qual |
|-----------|---------------------------|-----|---------|-------------|------|
| 1         | Hexane, 3-methyl-         | 100 | C7H16   | 000589-34-4 | 91   |
| 2         | Heptane                   | 100 | C7H16   | 000142-82-5 | 80   |
| 3         | Heptane, 4-methyl-        | 114 | C8H18   | 000589-53-7 | 59   |
| 4         | Pentane, 2,3,4-trimethyl- | 114 | C8H18   | 000565-75-3 | 53   |
| 5         | Decane, 3,3,4-trimethyl-  | 184 | C13H28  | 049622-18-6 | 53   |



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Sample : L5235-01  
Misc : 5.70G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
TR-05-122920

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122220S.M  
Quant Title : SW846 8260

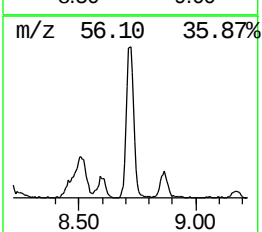
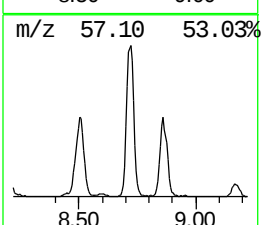
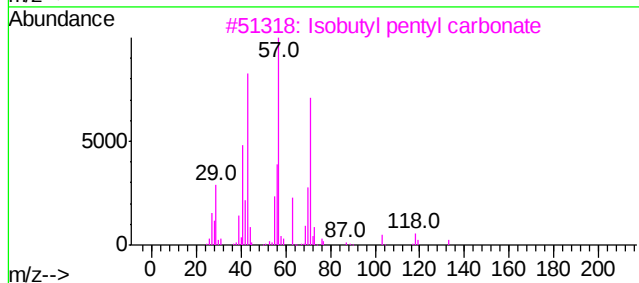
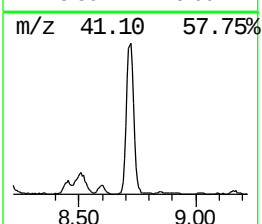
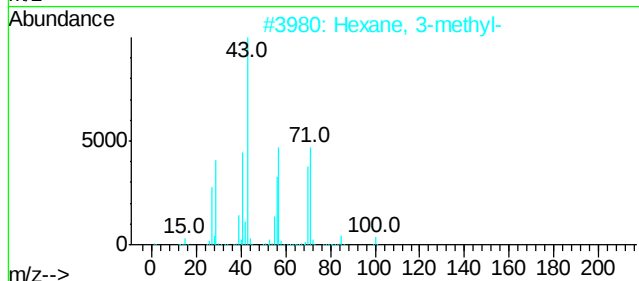
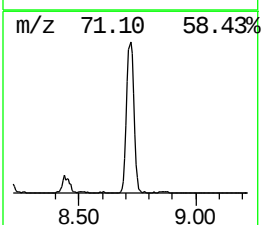
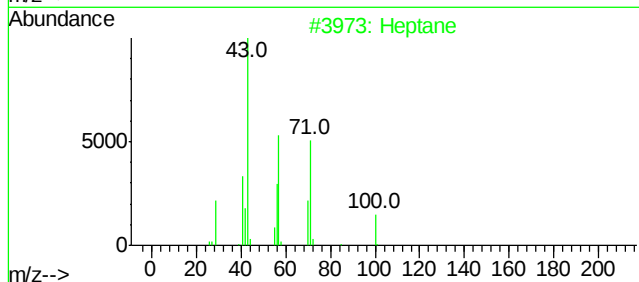
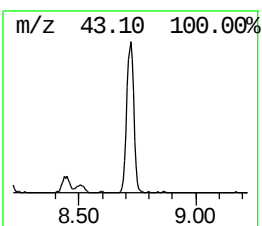
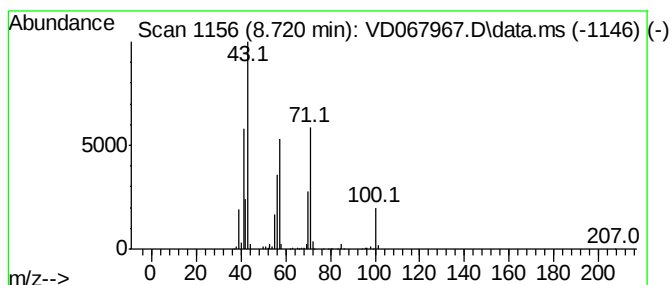
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Heptane Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD    | R.T.  |
|-------|------------|---------|---------------------|-------|
| 8.720 | 31.96 ug/l | 1049540 | 1,4-Difluorobenzene | 8.861 |

| Hit# of 5 | Tentative ID                        | Mw  | MolForm  | CAS#         | Qual |
|-----------|-------------------------------------|-----|----------|--------------|------|
| 1         | Heptane                             | 100 | C7H16    | 000142-82-5  | 91   |
| 2         | Hexane, 3-methyl-                   | 100 | C7H16    | 000589-34-4  | 47   |
| 3         | Isobutyl pentyl carbonate           | 188 | C10H20O3 | 178442-32-5  | 45   |
| 4         | Oxalic acid, 2-ethylhexyl pentyl... | 272 | C15H28O4 | 1000309-38-7 | 43   |
| 5         | Oxalic acid, 2-ethylhexyl ethyl ... | 230 | C12H22O4 | 1000309-38-4 | 38   |



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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
TR-05-122920

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122220S.M  
Quant Title : SW846 8260

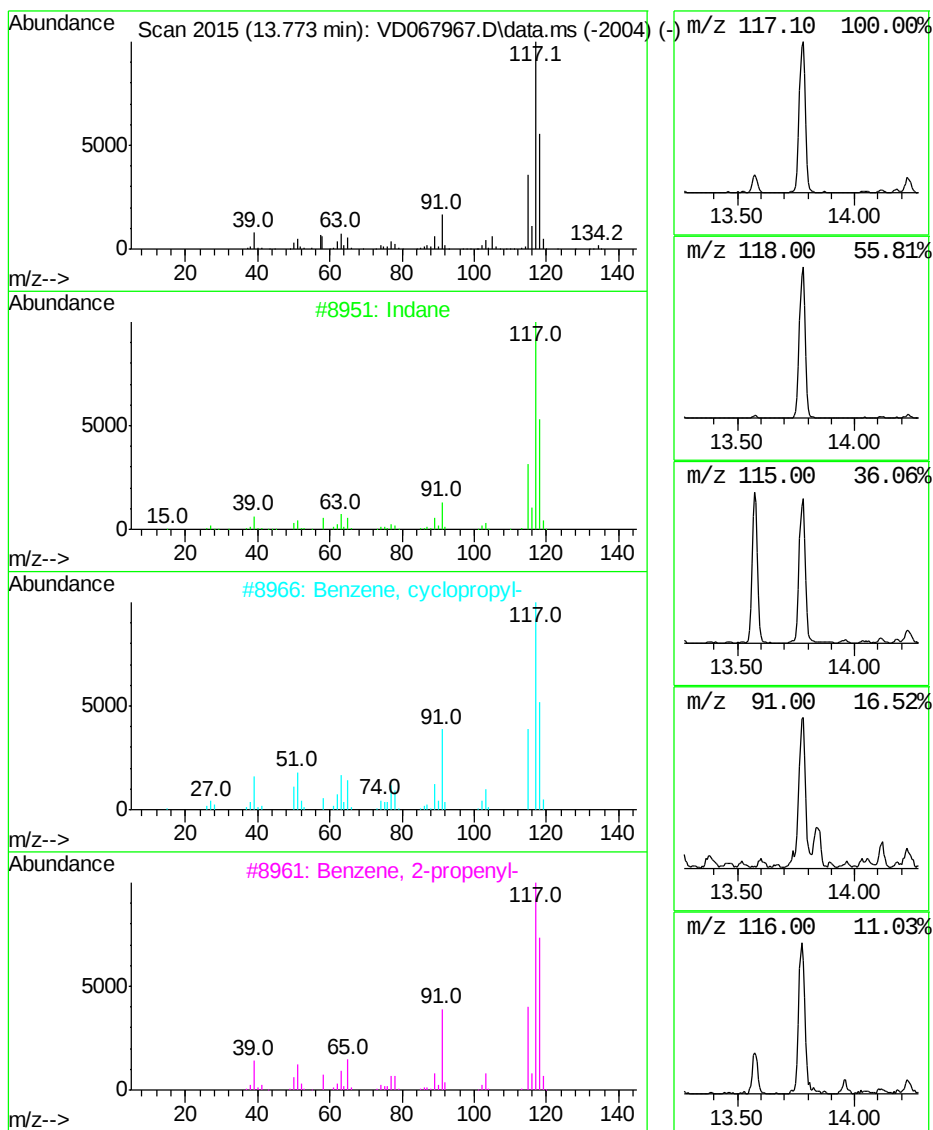
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Indane Concentration Rank 1

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 13.773 | 45.29 ug/l | 1481210 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# of 5 | Tentative ID                        | Mw  | MolForm | CAS#         | Qual |
|-----------|-------------------------------------|-----|---------|--------------|------|
| 1         | Indane                              | 118 | C9H10   | 000496-11-7  | 95   |
| 2         | Benzene, cyclopropyl-               | 118 | C9H10   | 000873-49-4  | 81   |
| 3         | Benzene, 2-propenyl-                | 118 | C9H10   | 000300-57-2  | 74   |
| 4         | Benzene, 1-ethenyl-2-methyl-        | 118 | C9H10   | 000611-15-4  | 72   |
| 5         | Tetracyclo[3.3.1.0(2,8).0(4,6)]-... | 118 | C9H10   | 1000191-13-7 | 72   |



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ALS Vial : 8 Sample Multiplier: 1

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MSVOA\_D  
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Quant Title : SW846 8260

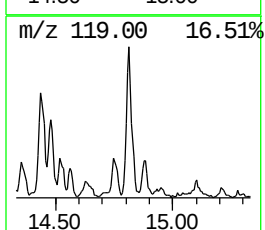
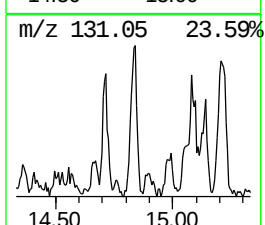
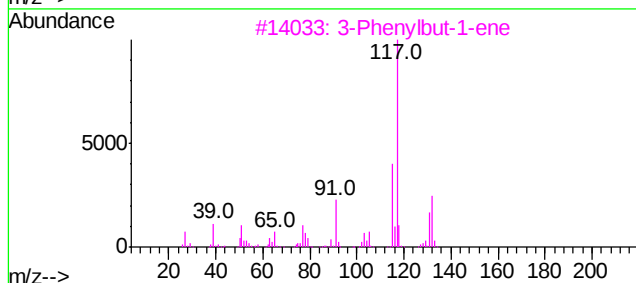
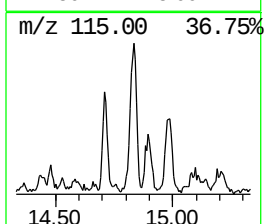
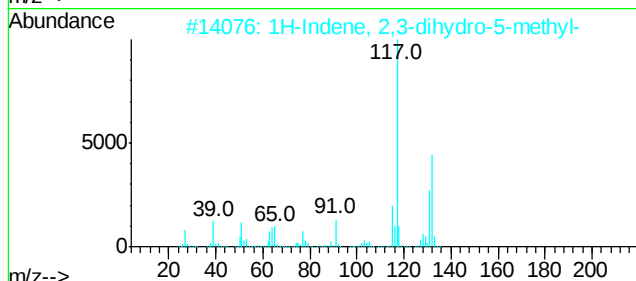
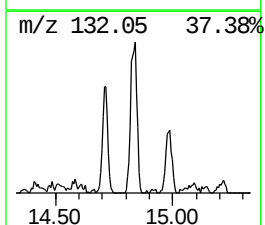
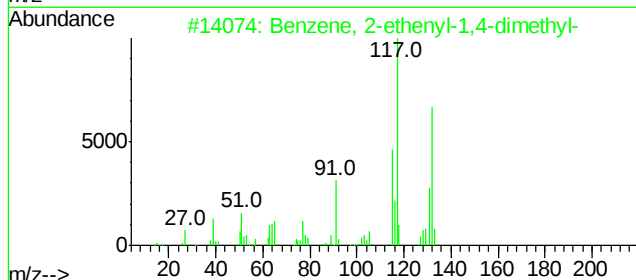
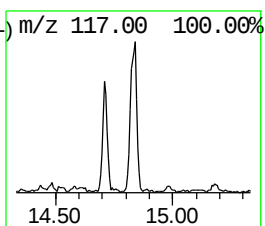
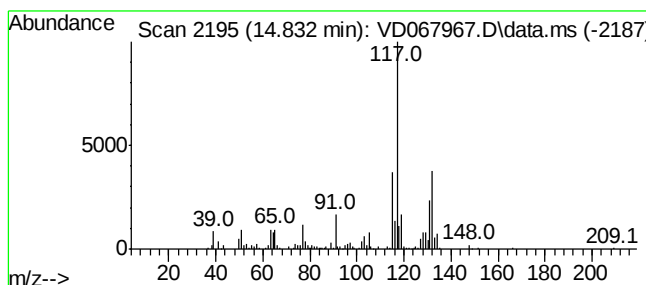
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 4

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.832 | 11.40 ug/l | 372950 | 1,4-Dichlorobenzene-d4 | 13.573 |

| Hit# of 5 | Tentative ID                     | Mw  | MolForm | CAS#        | Qual |
|-----------|----------------------------------|-----|---------|-------------|------|
| 1         | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12  | 002039-89-6 | 96   |
| 2         | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12  | 000874-35-1 | 93   |
| 3         | 3-Phenylbut-1-ene                | 132 | C10H12  | 000934-10-1 | 90   |
| 4         | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 90   |
| 5         | 1-Phenyl-1-butene                | 132 | C10H12  | 000824-90-8 | 83   |



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| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Pentane, 2,3-di... | 8.061  | 7.6     | ug/l  | 286626   | 1                     | 7.979  | 1880460 | 50.0 |
| Hexane, 3-methyl-  | 8.185  | 26.3    | ug/l  | 988634   | 1                     | 7.979  | 1880460 | 50.0 |
| Heptane            | 8.720  | 32.0    | ug/l  | 1049540  | 2                     | 8.861  | 1641920 | 50.0 |
| Indane             | 13.773 | 45.3    | ug/l  | 1481210  | 4                     | 13.573 | 1635080 | 50.0 |
| Benzene, 2-ethe... | 14.832 | 11.4    | ug/l  | 372950   | 4                     | 13.573 | 1635080 | 50.0 |