

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU100821\  
 Data File : VU045263.D  
 Acq On : 08 Oct 2021 19:49  
 Operator : SY/MD  
 Sample : M4026-03  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 09 05:33:32 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 09 05:29:23 2021  
 Response via : Initial Calibration

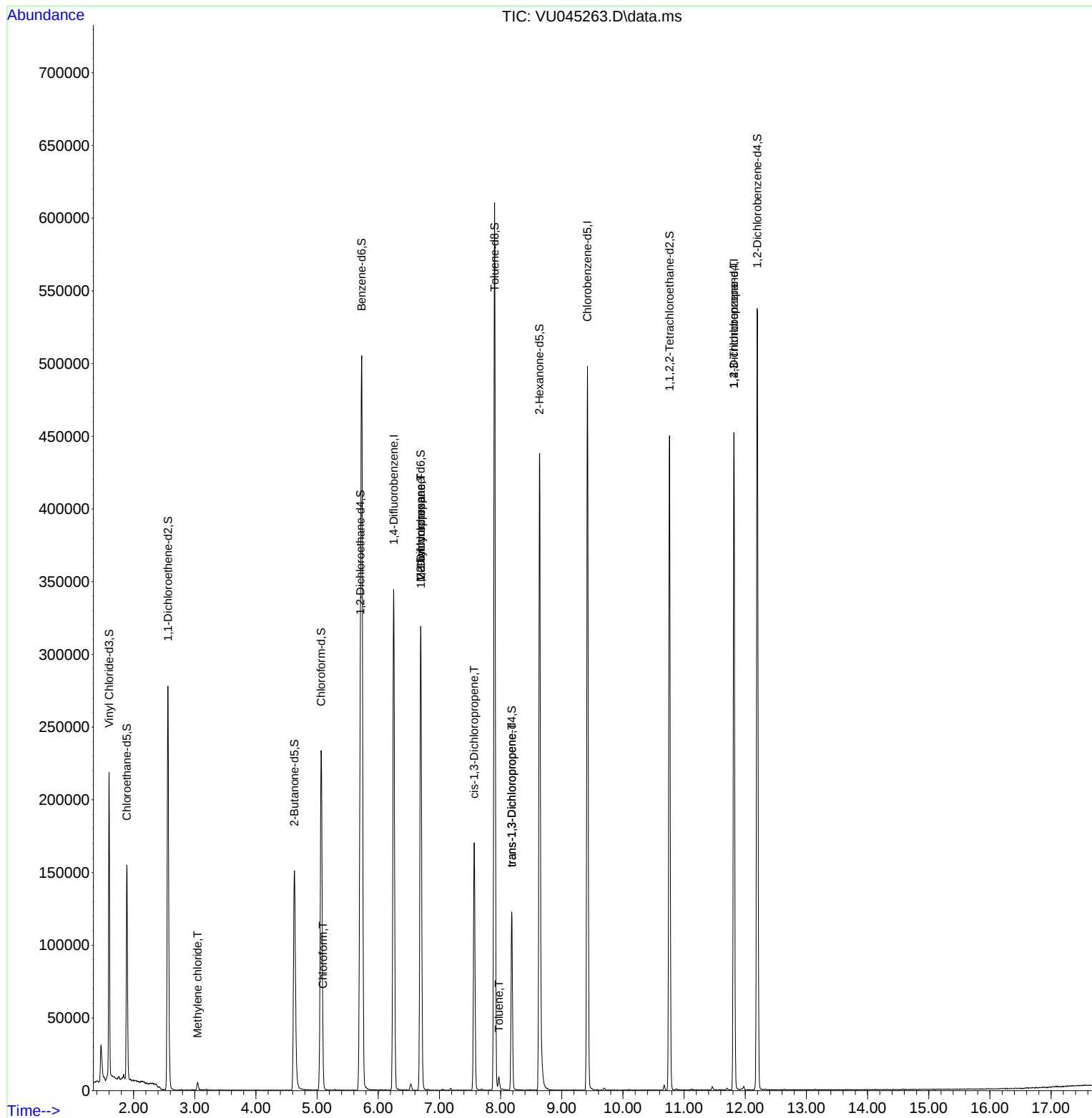
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253   | 114   | 265197   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 256922   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.815  | 152   | 110341   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600   | 65    | 139694   | 48.118   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 96.240%  |
| 7) Chloroethane-d5            | 1.890   | 69    | 111107   | 48.296   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 96.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.562   | 63    | 170414   | 34.954   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 69.900%  |
| 21) 2-Butanone-d5             | 4.629   | 46    | 220418   | 96.037   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 96.040%  |
| 24) Chloroform-d              | 5.066   | 84    | 211091   | 46.038   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.080%  |
| 26) 1,2-Dichloroethane-d4     | 5.706   | 65    | 151573   | 48.803   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.600%  |
| 32) Benzene-d6                | 5.729   | 84    | 451262   | 50.618   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 101.240% |
| 36) 1,2-Dichloropropane-d6    | 6.693   | 67    | 146560   | 50.418   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 100.840% |
| 41) Toluene-d8                | 7.902   | 98    | 383269   | 49.817   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 99.640%  |
| 43) trans-1,3-Dichloroprop... | 8.182   | 79    | 63877    | 49.399   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 98.800%  |
| 47) 2-Hexanone-d5             | 8.636   | 63    | 151865   | 94.272   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 94.270%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761  | 84    | 222057   | 49.056   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 98.120%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.198  | 152   | 132816   | 55.309   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 110.620% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 16) Methylene chloride        | 3.047   | 84    | 2560     | 0.984    | ug/L   | 87       |
| 25) Chloroform                | 5.095   | 83    | 3505     | 0.783    | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.693   | 83    | 33890    | 8.844    | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.697   | 63    | 16320    | 6.290    | ug/L # | 88       |
| 39) cis-1,3-Dichloropropene   | 7.568   | 75    | 4084     | 1.100    | ug/L # | 64       |
| 42) Toluene                   | 7.973   | 91    | 5958     | 0.615    | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.182   | 75    | 2668     | 0.756    | ug/L # | 74       |
| 60) 1,2,3-Trichloropropane    | 11.815  | 75    | 15024    | 4.923    | ug/L # | 68       |
| -----                         |         |       |          |          |        |          |

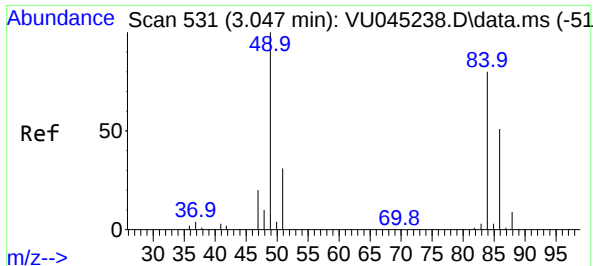
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Oct 09 05:29:23 2021  
Response via : Initial Calibration

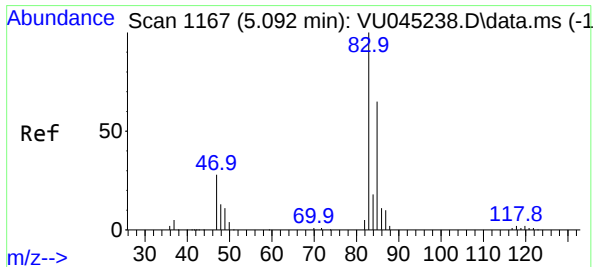
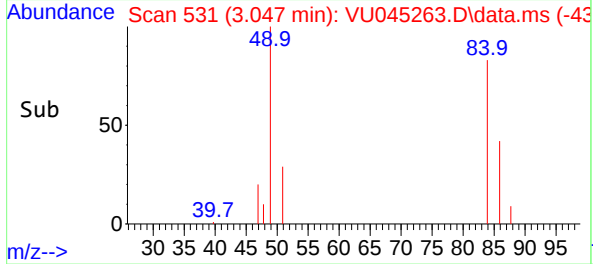
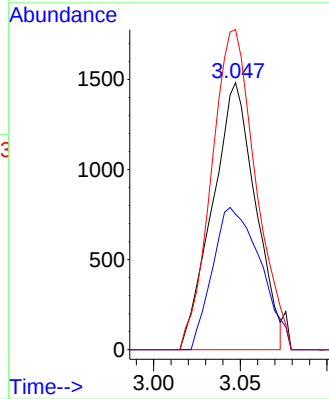
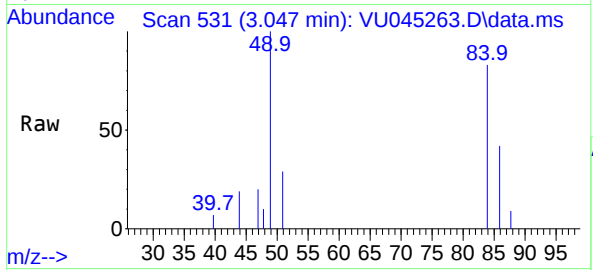




#16  
Methylene chloride  
Concen: 0.984 ug/L  
RT: 3.047 min Scan# 531  
Delta R.T. -0.000 min  
Lab File: VU045263.D  
Acq: 08 Oct 2021 19:49

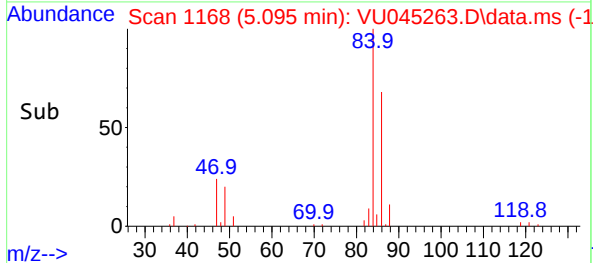
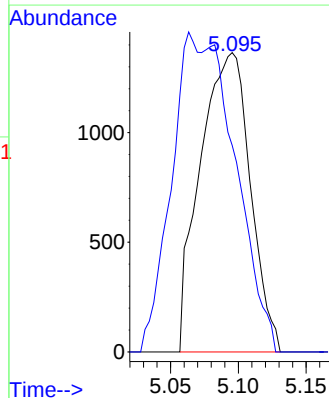
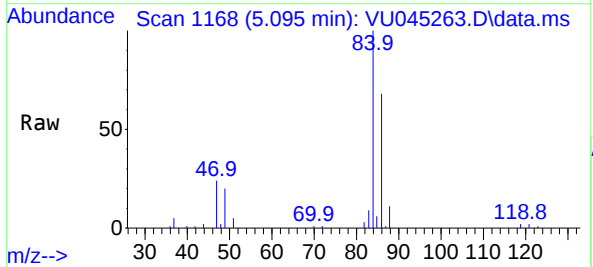
Instrument :  
MSVOA\_U  
ClientSampled :

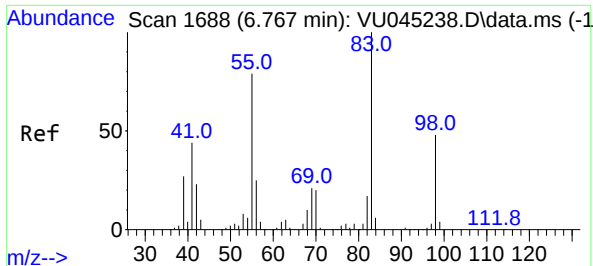
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 2560  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 86       | 50.7  | 44.7  | 83.1  |
| 49       | 119.8 | 92.9  | 172.5 |



#25  
Chloroform  
Concen: 0.783 ug/L  
RT: 5.095 min Scan# 1168  
Delta R.T. 0.003 min  
Lab File: VU045263.D  
Acq: 08 Oct 2021 19:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 3505  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 69.0  | 45.6  | 84.6  |





#35

Methylcyclohexane

Concen: 8.844 ug/L

RT: 6.693 min Scan# 1665

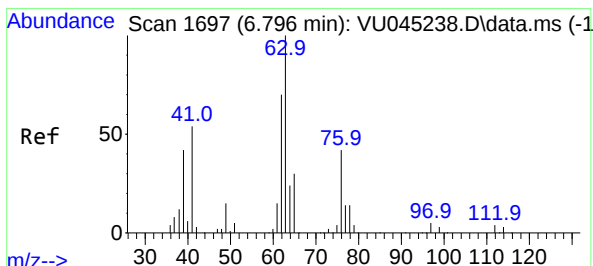
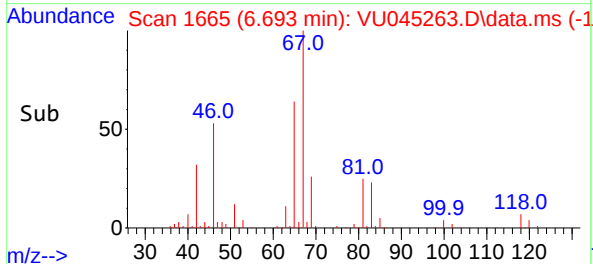
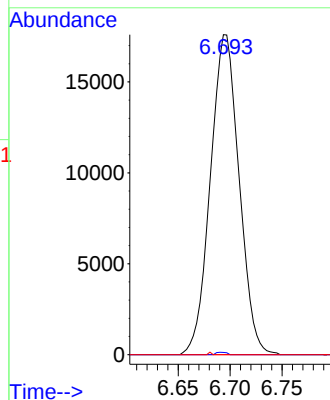
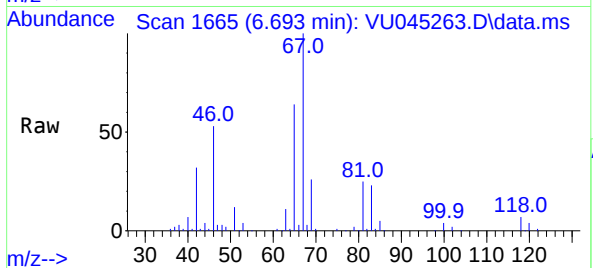
Delta R.T. -0.074 min

Lab File: VU045263.D

Acq: 08 Oct 2021 19:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 33890 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 0.3   | 65.8  | 98.6# |
| 98        | 0.5   | 37.1  | 55.7# |

Instrument :  
MSVOA\_U  
ClientSampled :



#37

1,2-Dichloropropane

Concen: 6.290 ug/L

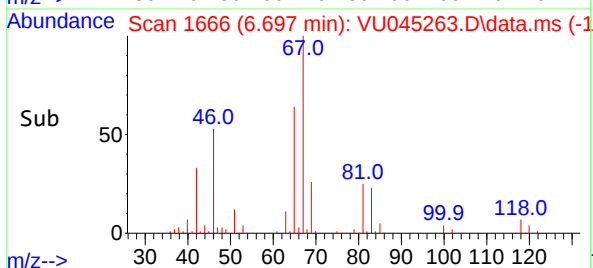
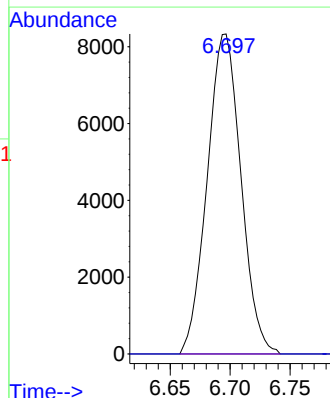
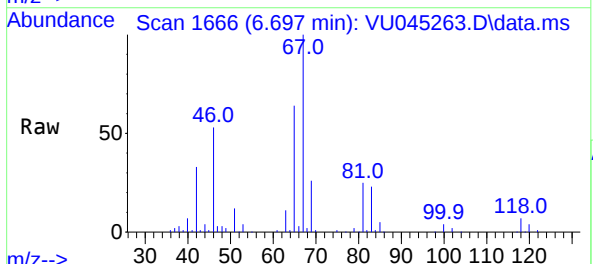
RT: 6.697 min Scan# 1666

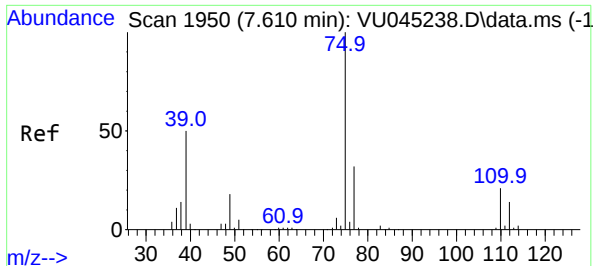
Delta R.T. -0.100 min

Lab File: VU045263.D

Acq: 08 Oct 2021 19:49

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 63    | Resp: | 16320 |
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 112       | 0.0   | 3.2   | 4.8#  |

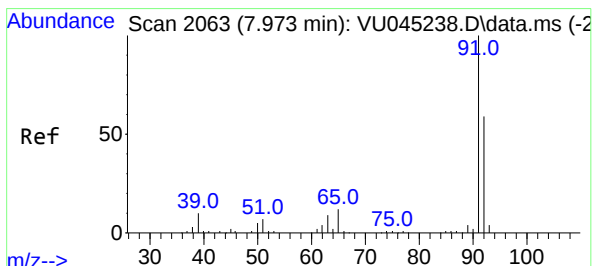
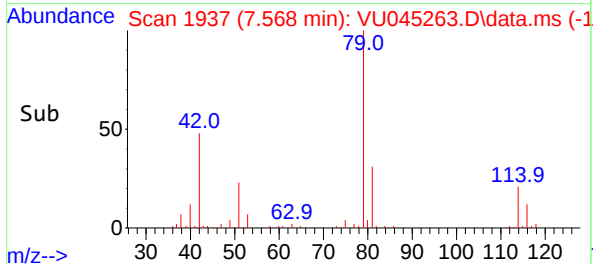
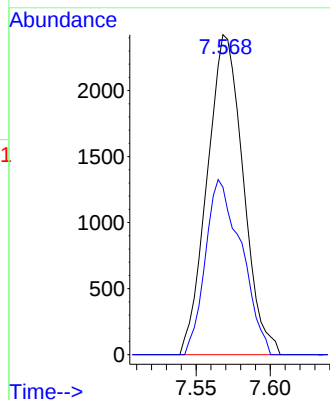
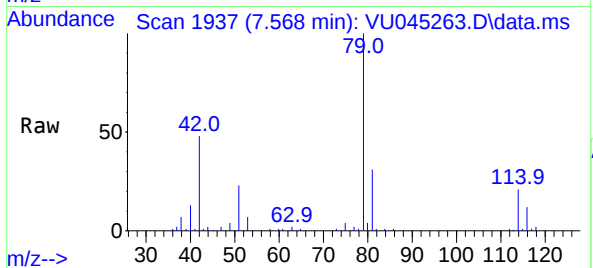




#39  
cis-1,3-Dichloropropene  
Concen: 1.100 ug/L  
RT: 7.568 min Scan# 1937  
Delta R.T. -0.042 min  
Lab File: VU045263.D  
Acq: 08 Oct 2021 19:49

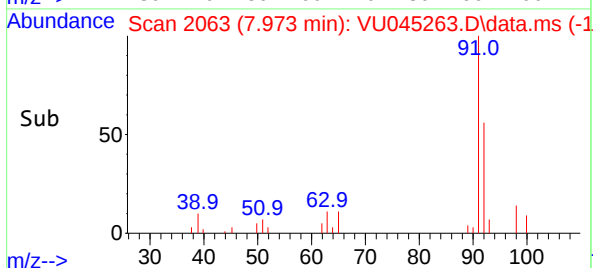
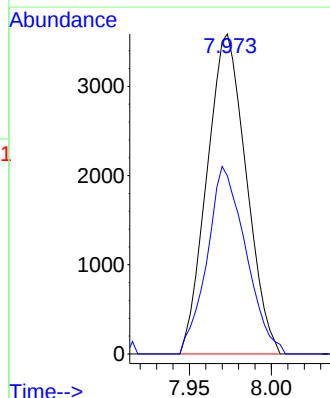
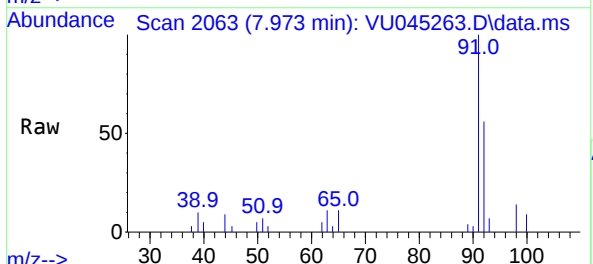
Instrument :  
MSVOA\_U  
ClientSampled :

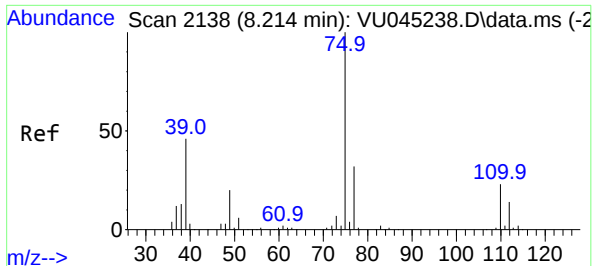
Tgt Ion: 75 Resp: 4084  
Ion Ratio Lower Upper  
75 100  
77 52.3 22.4 41.6#



#42  
Toluene  
Concen: 0.615 ug/L  
RT: 7.973 min Scan# 2063  
Delta R.T. -0.000 min  
Lab File: VU045263.D  
Acq: 08 Oct 2021 19:49

Tgt Ion: 91 Resp: 5958  
Ion Ratio Lower Upper  
91 100  
92 55.7 40.5 75.1

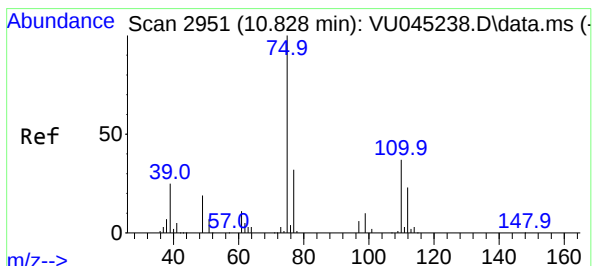
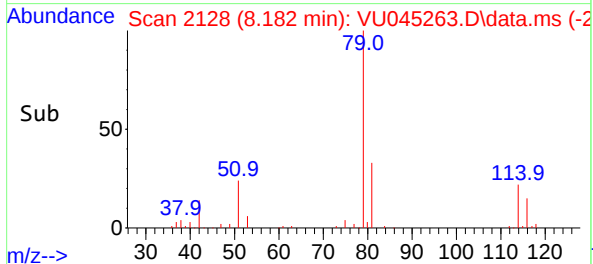
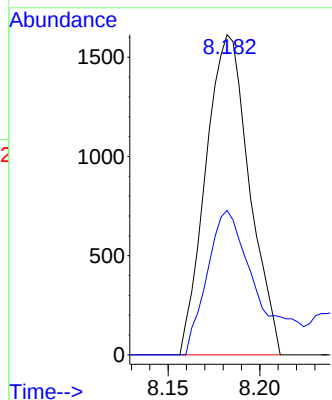
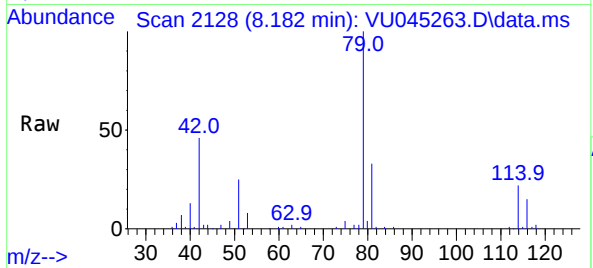




#44  
trans-1,3-Dichloropropene  
Concen: 0.756 ug/L  
RT: 8.182 min Scan# 2128  
Delta R.T. -0.032 min  
Lab File: VU045263.D  
Acq: 08 Oct 2021 19:49

Instrument :  
MSVOA\_U  
ClientSampled :

Tgt Ion: 75 Resp: 2668  
Ion Ratio Lower Upper  
75 100  
77 45.1 21.7 40.3#



#60  
1,2,3-Trichloropropane  
Concen: 4.923 ug/L  
RT: 11.815 min Scan# 3258  
Delta R.T. 0.987 min  
Lab File: VU045263.D  
Acq: 08 Oct 2021 19:49

Tgt Ion: 75 Resp: 15024  
Ion Ratio Lower Upper  
75 100  
77 33.1 25.5 38.3  
110 2.2 29.0 43.4#

