

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU100721\  
 Data File : VU045220.D  
 Acq On : 07 Oct 2021 20:04  
 Operator : SY/MD  
 Sample : M4023-17  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 07 22:20:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 07 22:18:46 2021  
 Response via : Initial Calibration

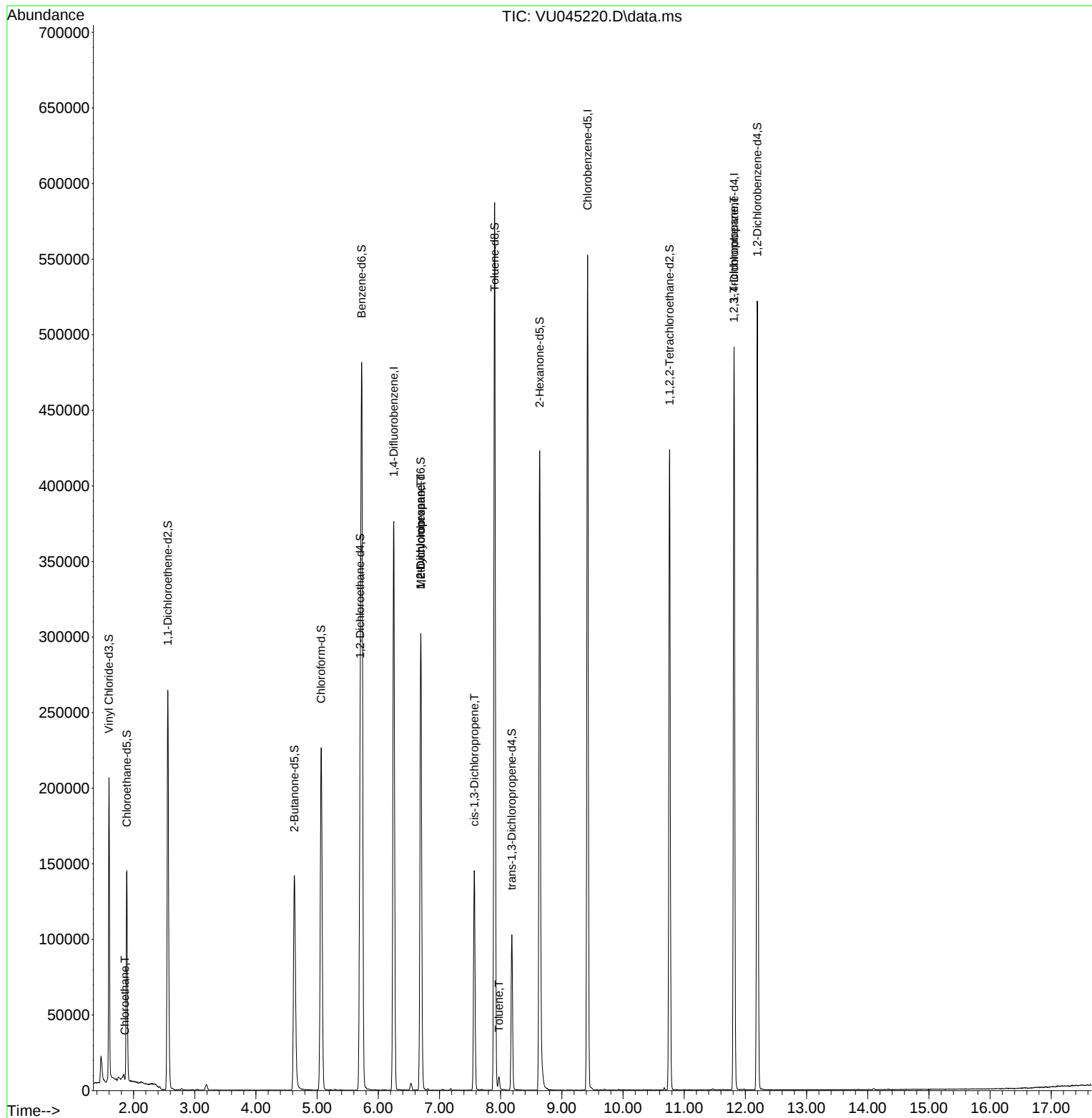
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253   | 114   | 291678   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 282387   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.816  | 152   | 121836   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 129718   | 40.625   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 81.260%  |
| 7) Chloroethane-d5            | 1.890   | 69    | 105321   | 41.625   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 83.240%  |
| 11) 1,1-Dichloroethene-d2     | 2.559   | 63    | 163484   | 30.488   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 60.980%  |
| 21) 2-Butanone-d5             | 4.626   | 46    | 204900   | 81.170   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 81.170%  |
| 24) Chloroform-d              | 5.067   | 84    | 201550   | 39.966   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 79.940%  |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 145332   | 42.545   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 85.100%  |
| 32) Benzene-d6                | 5.729   | 84    | 428867   | 43.768   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 87.540%  |
| 36) 1,2-Dichloropropane-d6    | 6.694   | 67    | 138246   | 43.269   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 86.540%  |
| 41) Toluene-d8                | 7.902   | 98    | 371199   | 43.897   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 87.800%  |
| 43) trans-1,3-Dichloroprop... | 8.182   | 79    | 54271    | 38.186   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 76.380%  |
| 47) 2-Hexanone-d5             | 8.636   | 63    | 146280   | 82.616   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 82.620%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761  | 84    | 209612   | 42.131   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 84.260%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 128118   | 48.319   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.640%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 8) Chloroethane               | 1.858   | 64    | 1428     | 0.667    | ug/L # | 56       |
| 35) Methylcyclohexane         | 6.694   | 83    | 32187    | 7.642    | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.694   | 63    | 15494    | 5.433    | ug/L # | 88       |
| 39) cis-1,3-Dichloropropene   | 7.568   | 75    | 3332     | 0.817    | ug/L # | 67       |
| 42) Toluene                   | 7.973   | 91    | 5592     | 0.525    | ug/L   | 89       |
| 60) 1,2,3-Trichloropropane    | 11.812  | 75    | 16442    | 4.879    | ug/L # | 69       |
| -----                         |         |       |          |          |        |          |

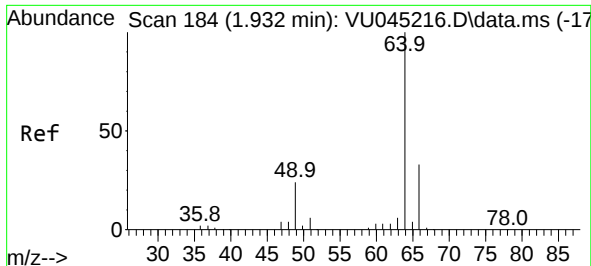
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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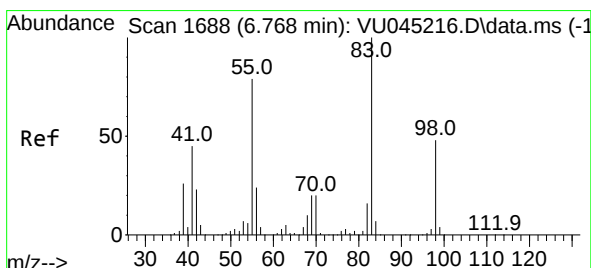
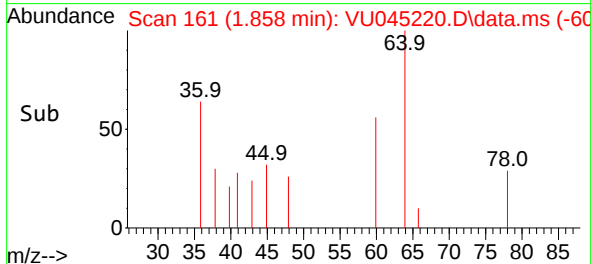
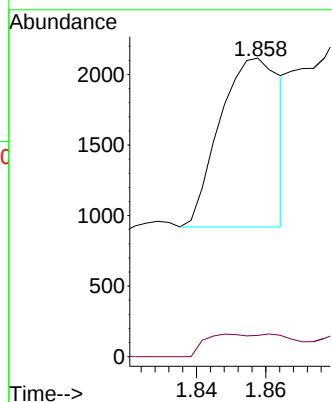
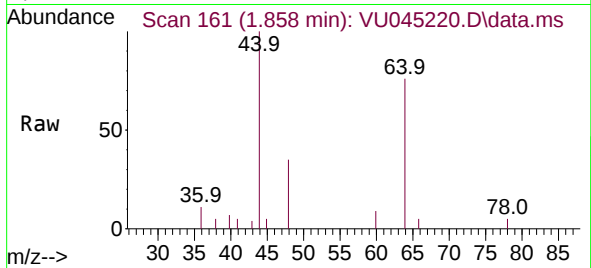




#8  
Chloroethane  
Concen: 0.667 ug/L  
RT: 1.858 min Scan# 161  
Delta R.T. -0.074 min  
Lab File: VU045220.D  
Acq: 07 Oct 2021 20:04

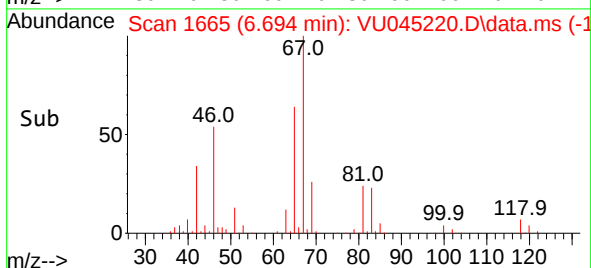
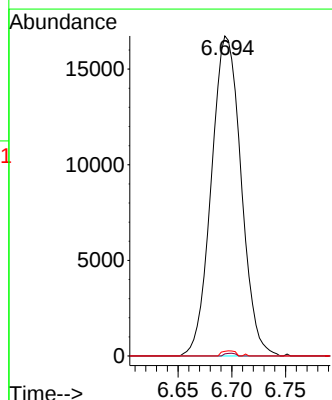
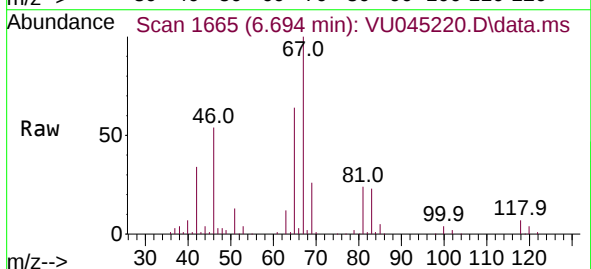
Instrument :  
MSVOA\_U  
ClientSampled :

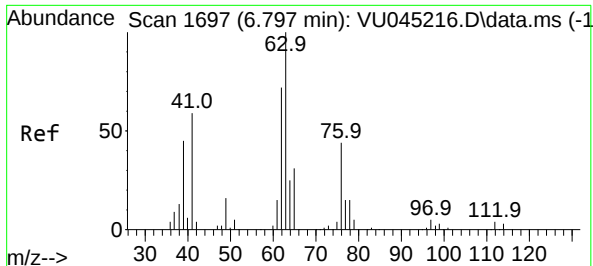
Tgt Ion: 64 Resp: 1428  
Ion Ratio Lower Upper  
64 100  
66 7.1 22.3 41.3#



#35  
Methylcyclohexane  
Concen: 7.642 ug/L  
RT: 6.694 min Scan# 1665  
Delta R.T. -0.074 min  
Lab File: VU045220.D  
Acq: 07 Oct 2021 20:04

Tgt Ion: 83 Resp: 32187  
Ion Ratio Lower Upper  
83 100  
55 0.3 65.8 98.6#  
98 0.7 37.1 55.7#

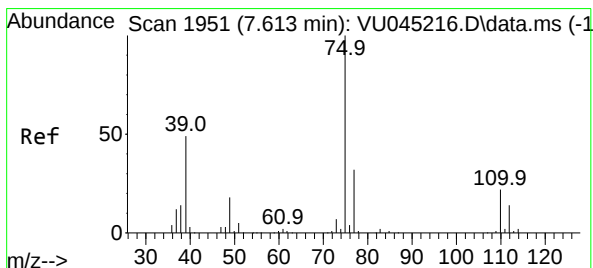
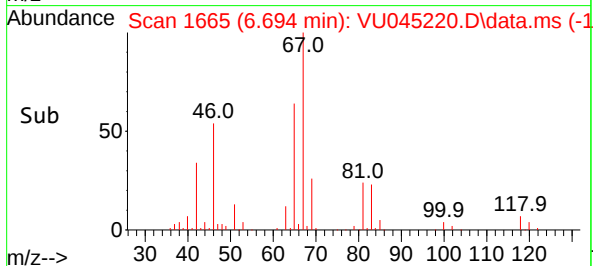
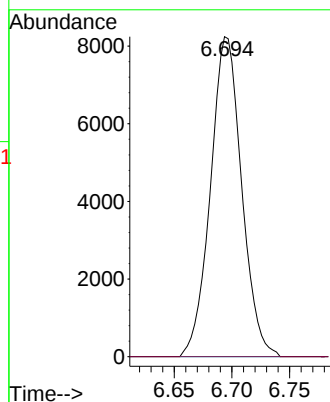
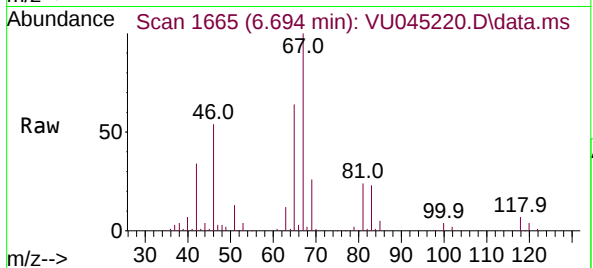




#37  
1,2-Dichloropropane  
Concen: 5.433 ug/L  
RT: 6.694 min Scan# 1665  
Delta R.T. -0.103 min  
Lab File: VU045220.D  
Acq: 07 Oct 2021 20:04

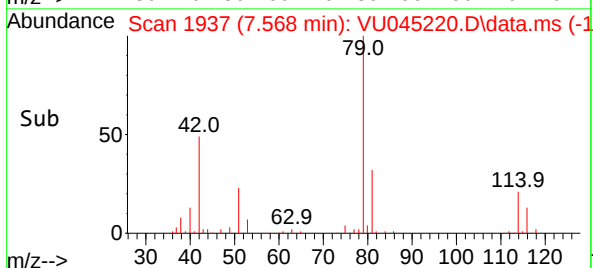
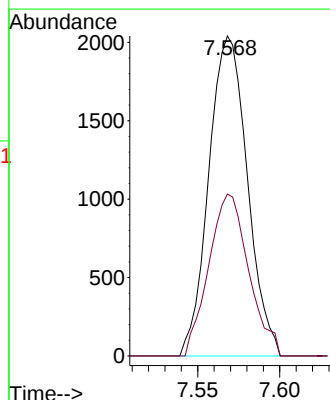
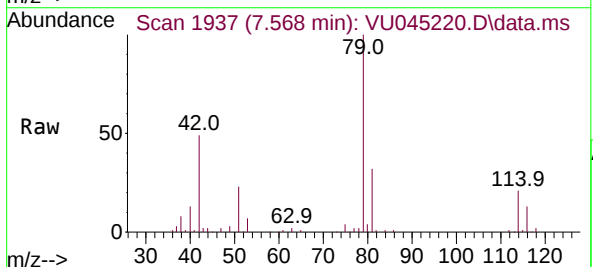
Instrument :  
MSVOA\_U  
ClientSampled :

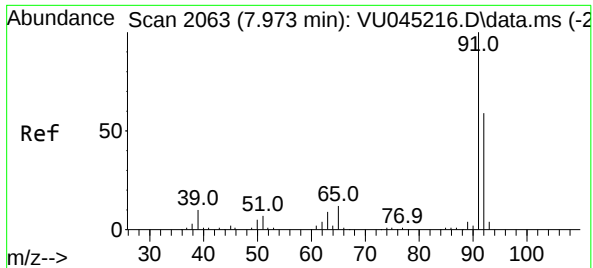
Tgt Ion: 63 Resp: 15494  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.2 4.8#



#39  
cis-1,3-Dichloropropene  
Concen: 0.817 ug/L  
RT: 7.568 min Scan# 1937  
Delta R.T. -0.045 min  
Lab File: VU045220.D  
Acq: 07 Oct 2021 20:04

Tgt Ion: 75 Resp: 3332  
Ion Ratio Lower Upper  
75 100  
77 50.6 22.4 41.6#

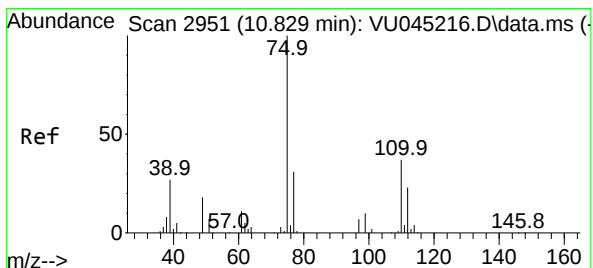
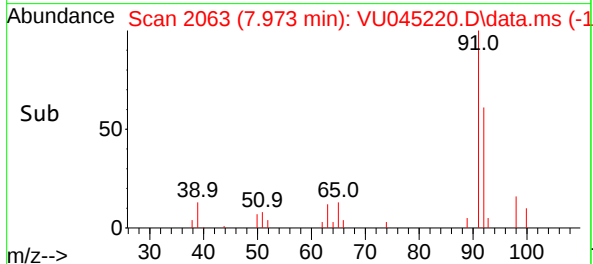
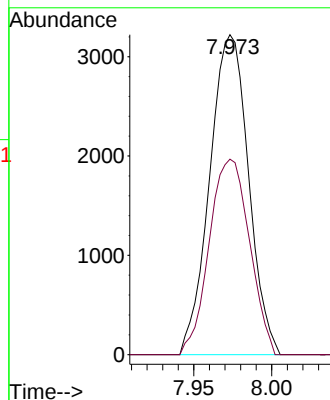
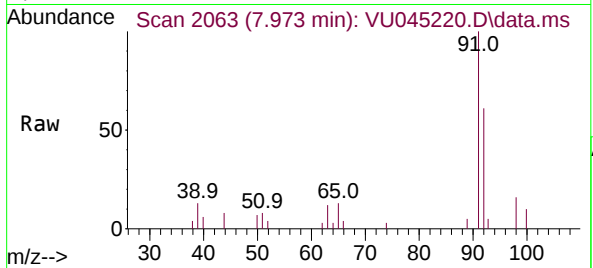




#42  
Toluene  
Concen: 0.525 ug/L  
RT: 7.973 min Scan# 2063  
Delta R.T. -0.000 min  
Lab File: VU045220.D  
Acq: 07 Oct 2021 20:04

Instrument :  
MSVOA\_U  
ClientSampled :

Tgt Ion: 91 Resp: 5592  
Ion Ratio Lower Upper  
91 100  
92 65.8 40.5 75.1



#60  
1,2,3-Trichloropropane  
Concen: 4.879 ug/L  
RT: 11.812 min Scan# 3257  
Delta R.T. 0.984 min  
Lab File: VU045220.D  
Acq: 07 Oct 2021 20:04

Tgt Ion: 75 Resp: 16442  
Ion Ratio Lower Upper  
75 100  
77 32.5 25.5 38.3  
110 1.8 29.0 43.4#

