

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU032123\  
 Data File : VU053332.D  
 Acq On : 21 Mar 2023 18:20  
 Operator : JC/MD  
 Sample : 01961-19  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EYFF7

Quant Time: Mar 22 03:12:57 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM031523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Mar 22 03:08:43 2023  
 Response via : Initial Calibration

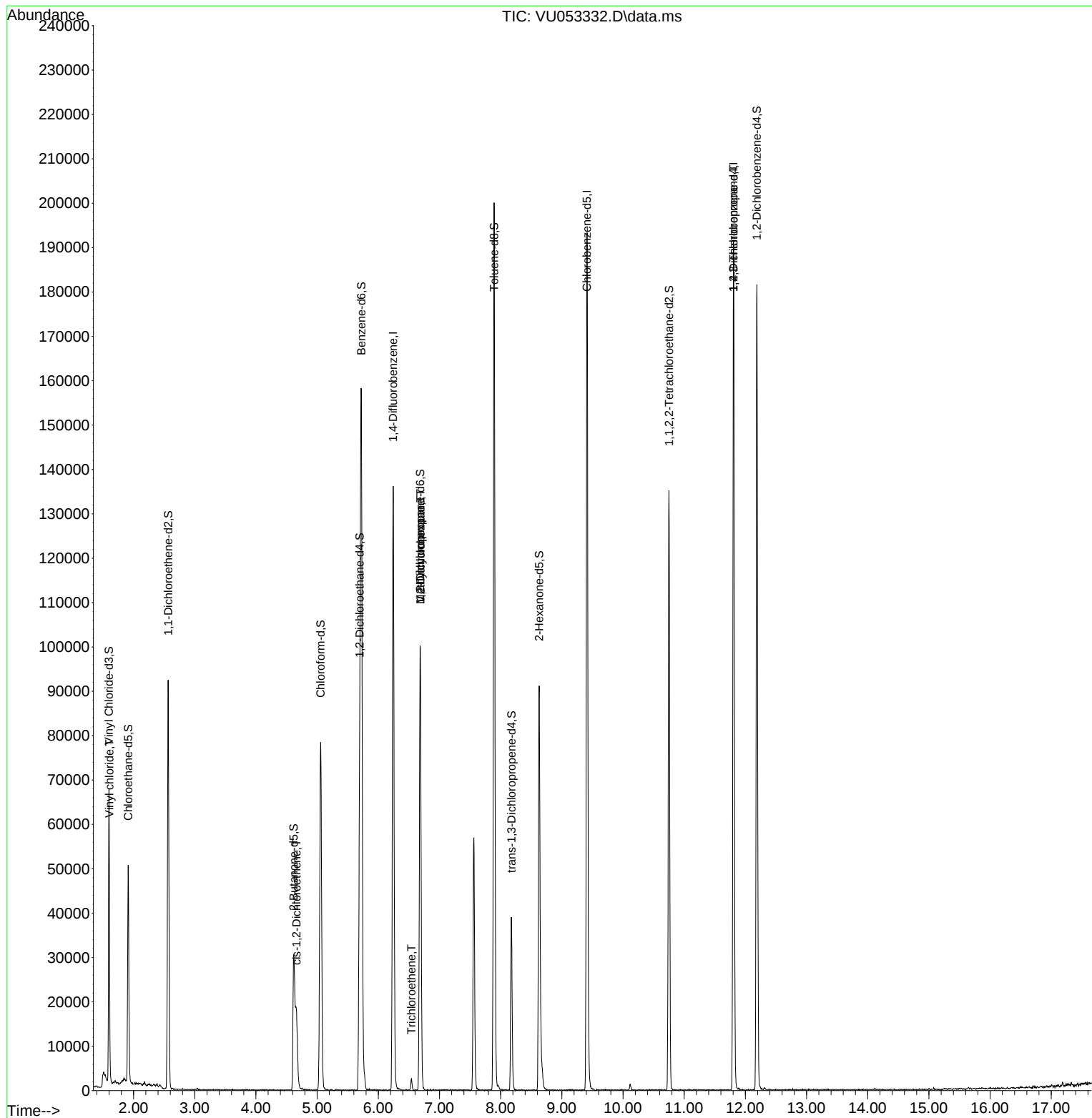
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.243   | 114   | 107460   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.411   | 117   | 100879   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.806  | 152   | 46434    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 42872    | 43.245   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 86.480%  |
| 7) Chloroethane-d5            | 1.912   | 69    | 35060    | 43.721   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 87.440%  |
| 11) 1,1-Dichloroethene-d2     | 2.565   | 63    | 53381    | 31.083   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 62.160%  |
| 21) 2-Butanone-d5             | 4.617   | 46    | 46889    | 101.976  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 101.980% |
| 24) Chloroform-d              | 5.057   | 84    | 67877    | 41.569   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 83.140%  |
| 26) 1,2-Dichloroethane-d4     | 5.697   | 65    | 46973    | 46.321   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.640%  |
| 32) Benzene-d6                | 5.723   | 84    | 147736   | 45.151   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 90.300%  |
| 36) 1,2-Dichloropropane-d6    | 6.684   | 67    | 48925    | 46.329   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 92.660%  |
| 41) Toluene-d8                | 7.893   | 98    | 134449   | 44.134   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 88.260%  |
| 43) trans-1,3-Dichloroprop... | 8.176   | 79    | 22047    | 42.314   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 84.620%  |
| 47) 2-Hexanone-d5             | 8.629   | 63    | 32277    | 97.763   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 97.760%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751  | 84    | 64718    | 47.308   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 94.620%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.189  | 152   | 41965    | 46.675   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 93.340%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 5) Vinyl chloride             | 1.604   | 62    | 3164     | 2.798    | ug/L # | 36       |
| 20) cis-1,2-Dichloroethene    | 4.662   | 96    | 7541     | 8.018    | ug/L   | 98       |
| 34) Trichloroethene           | 6.539   | 95    | 1146     | 1.257    | ug/L   | 81       |
| 35) Methylcyclohexane         | 6.687   | 83    | 11082    | 6.933    | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 6.687   | 63    | 4655     | 4.771    | ug/L # | 90       |
| 60) 1,2,3-Trichloropropane    | 11.806  | 75    | 7106     | 7.701    | ug/L # | 67       |
| -----                         |         |       |          |          |        |          |

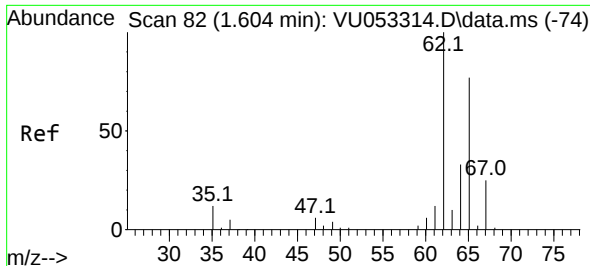
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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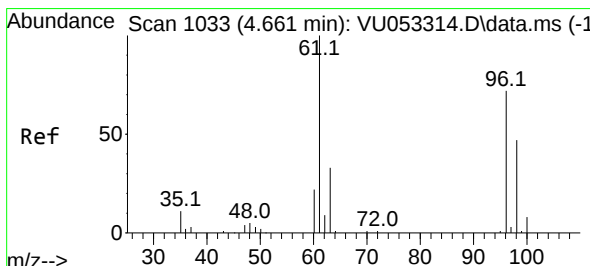
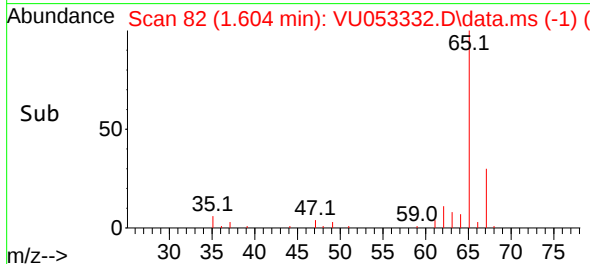
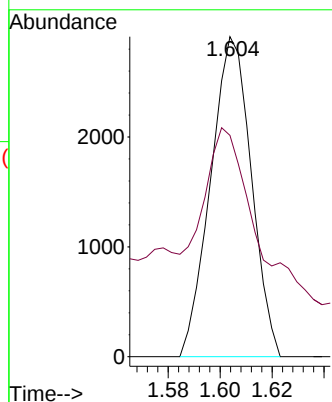
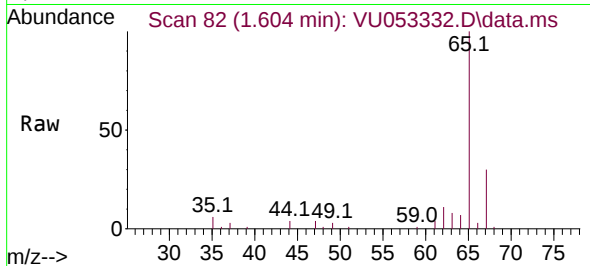




#5  
 Vinyl chloride  
 Concen: 2.798 ug/L  
 RT: 1.604 min Scan# 82  
 Delta R.T. 0.000 min  
 Lab File: VU053332.D  
 Acq: 21 Mar 2023 18:20

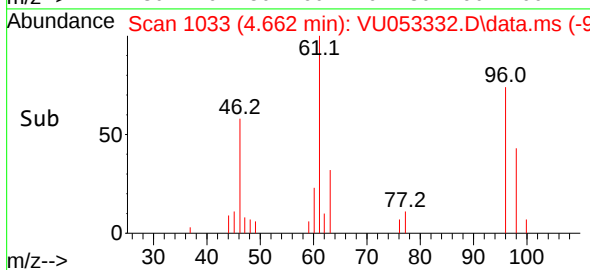
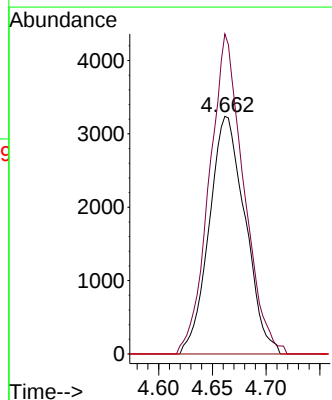
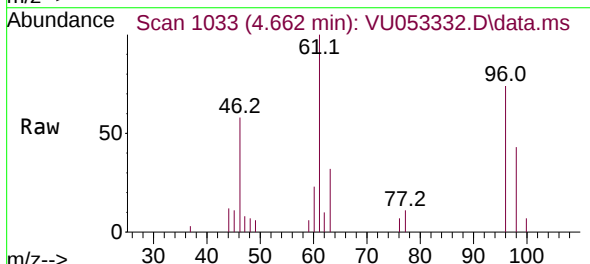
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
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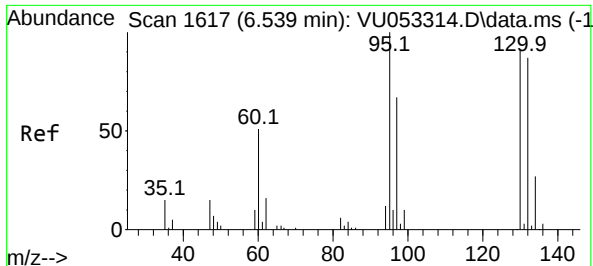
Tgt Ion: 62 Resp: 3164  
 Ion Ratio Lower Upper  
 62 100  
 64 69.2 23.2 43.0#



#20  
 cis-1,2-Dichloroethene  
 Concen: 8.018 ug/L  
 RT: 4.662 min Scan# 1033  
 Delta R.T. 0.000 min  
 Lab File: VU053332.D  
 Acq: 21 Mar 2023 18:20

Tgt Ion: 96 Resp: 7541  
 Ion Ratio Lower Upper  
 96 100  
 61 134.7 92.5 171.7  
 68 0.0 0.0 0.0

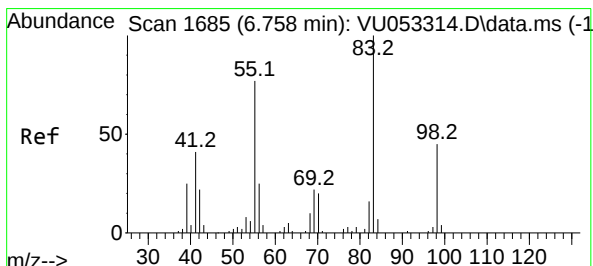
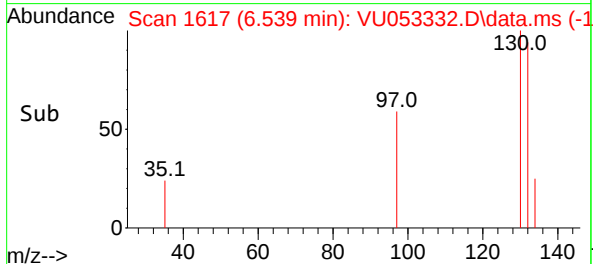
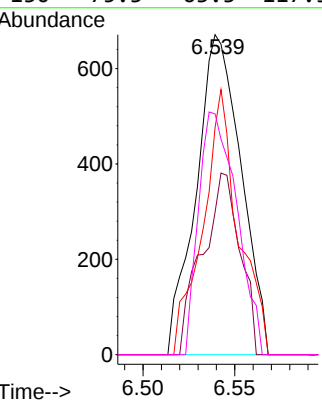
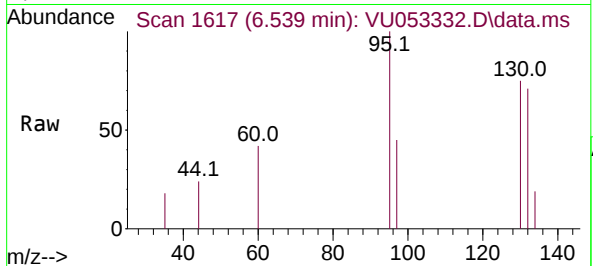




#34  
Trichloroethene  
Concen: 1.257 ug/L  
RT: 6.539 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VU053332.D  
Acq: 21 Mar 2023 18:20

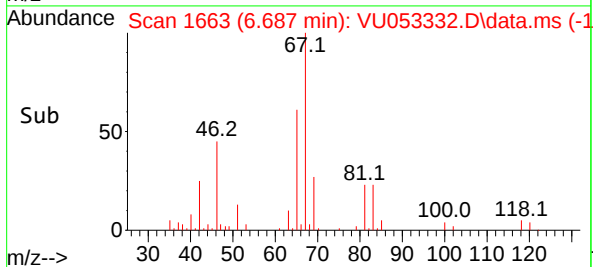
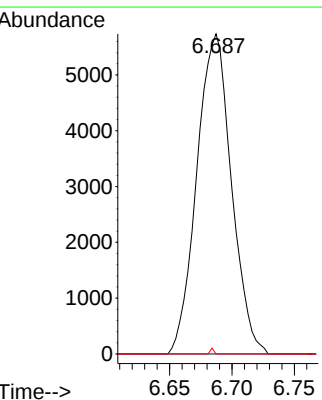
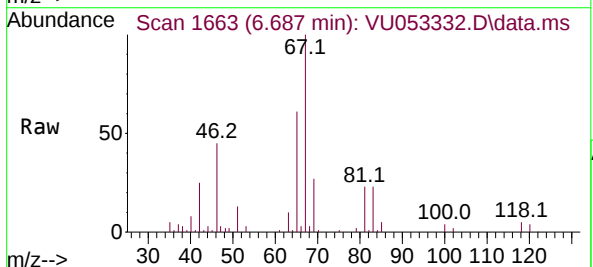
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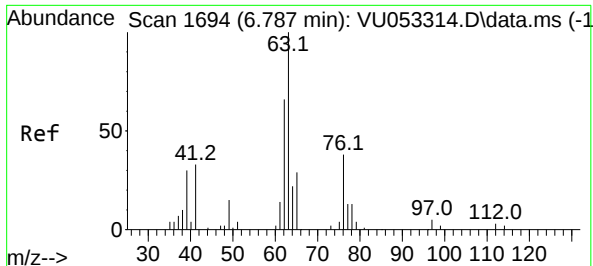
|             |             |
|-------------|-------------|
| Tgt Ion: 95 | Resp: 1146  |
| Ion Ratio   | Lower Upper |
| 95 100      |             |
| 97 44.6     | 43.8 81.3   |
| 132 70.9    | 61.5 114.3  |
| 130 75.3    | 63.3 117.5  |



#35  
Methylcyclohexane  
Concen: 6.933 ug/L  
RT: 6.687 min Scan# 1663  
Delta R.T. -0.071 min  
Lab File: VU053332.D  
Acq: 21 Mar 2023 18:20

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 11082 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 55 0.0      | 58.2 87.4#  |
| 98 0.0      | 35.4 53.2#  |





#37

1,2-Dichloropropane

Concen: 4.771 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.099 min

Lab File: VU053332.D

Acq: 21 Mar 2023 18:20

Instrument :

MSVOA\_U

ClientSampleId :

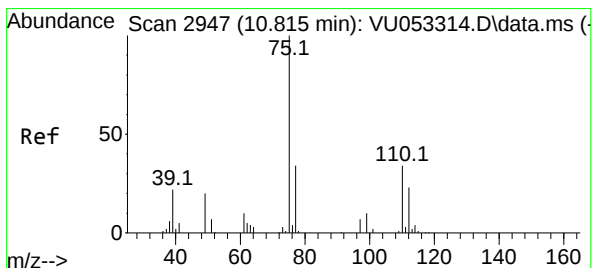
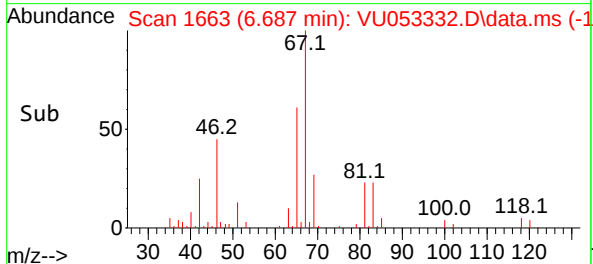
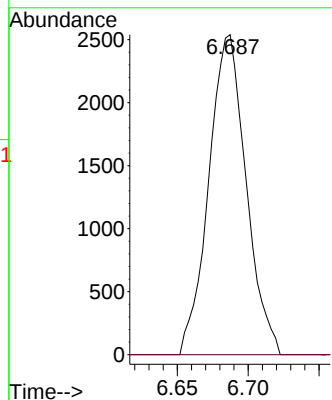
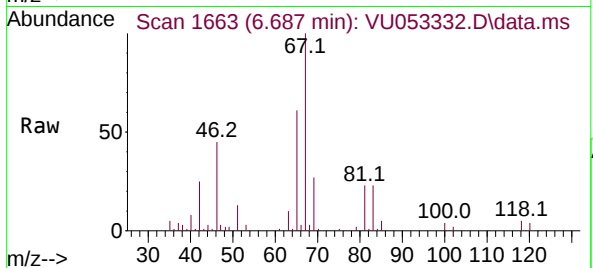
EYFF7

Tgt Ion: 63 Resp: 4655

Ion Ratio Lower Upper

63 100

112 0.0 2.6 3.8#



#60

1,2,3-Trichloropropane

Concen: 7.701 ug/L

RT: 11.806 min Scan# 3255

Delta R.T. 0.990 min

Lab File: VU053332.D

Acq: 21 Mar 2023 18:20

Tgt Ion: 75 Resp: 7106

Ion Ratio Lower Upper

75 100

77 31.1 26.6 40.0

110 0.6 28.6 42.8#

