

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120221\  
 Data File : VU046051.D  
 Acq On : 02 Dec 2021 14:49  
 Operator : SY/MD  
 Sample : PB141130TB  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 03 05:11:09 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 03 05:08:36 2021  
 Response via : Initial Calibration

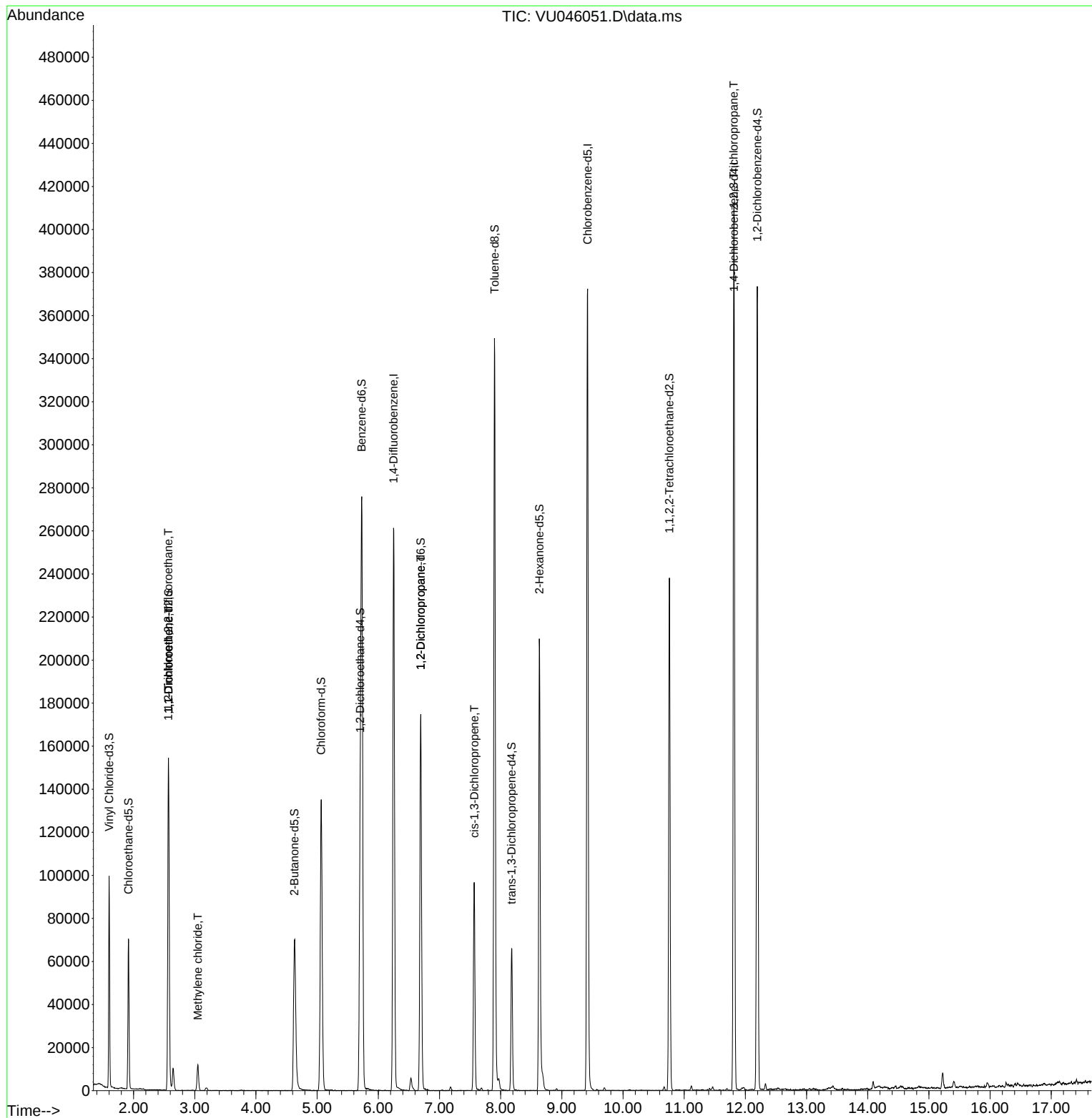
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 218454   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 215267   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 110733   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601   | 65    | 65994    | 36.673   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 73.340%  |
| 7) Chloroethane-d5            | 1.916   | 69    | 50487    | 36.541   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 73.080%  |
| 11) 1,1-Dichloroethene-d2     | 2.572   | 63    | 92045    | 28.493   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 56.980%# |
| 21) 2-Butanone-d5             | 4.629   | 46    | 104316   | 72.921   | ug/L   | -0.01    |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 72.920%  |
| 24) Chloroform-d              | 5.067   | 84    | 124349   | 41.379   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 82.760%  |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 84038    | 41.670   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 83.340%  |
| 32) Benzene-d6                | 5.729   | 84    | 264200   | 42.821   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 85.640%  |
| 36) 1,2-Dichloropropane-d6    | 6.694   | 67    | 82929    | 43.369   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 86.740%  |
| 41) Toluene-d8                | 7.899   | 98    | 240877   | 42.878   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 85.760%  |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 38966    | 42.214   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 84.420%  |
| 47) 2-Hexanone-d5             | 8.632   | 63    | 76068    | 83.902   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 83.900%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 116658   | 40.229   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 80.460%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 96058    | 45.044   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 90.080%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.568   | 101   | 737      | 0.464    | ug/L # | 21       |
| 12) 1,1-Dichloroethene        | 2.572   | 96    | 674      | 0.446    | ug/L # | 1        |
| 16) Methylene chloride        | 3.051   | 84    | 6078     | 3.382    | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 6.694   | 63    | 9000     | 5.273    | ug/L # | 86       |
| 39) cis-1,3-Dichloropropene   | 7.568   | 75    | 2424     | 0.934    | ug/L # | 65       |
| 60) 1,2,3-Trichloropropane    | 11.809  | 75    | 12933    | 5.328    | ug/L # | 65       |
| -----                         |         |       |          |          |        |          |

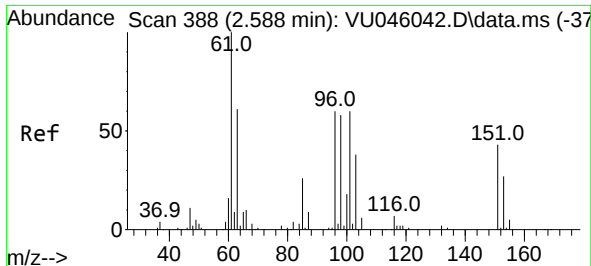
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 03 05:11:09 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 03 05:08:36 2021  
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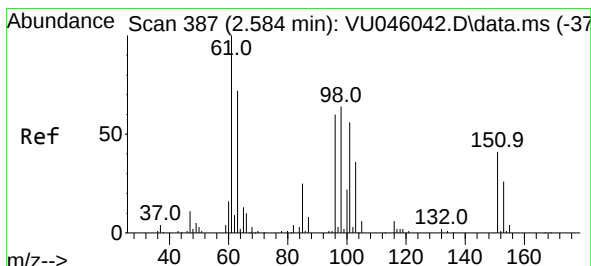
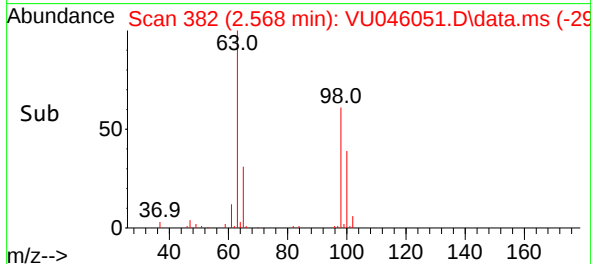
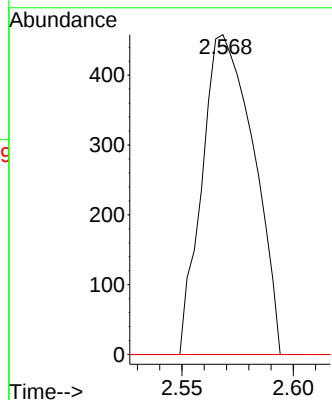
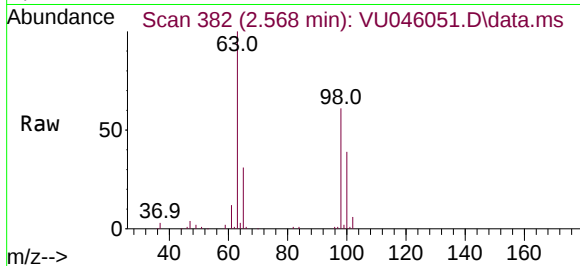




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.464 ug/L  
RT: 2.568 min Scan# 31  
Delta R.T. -0.019 min  
Lab File: VU046051.D  
Acq: 02 Dec 2021 14:49

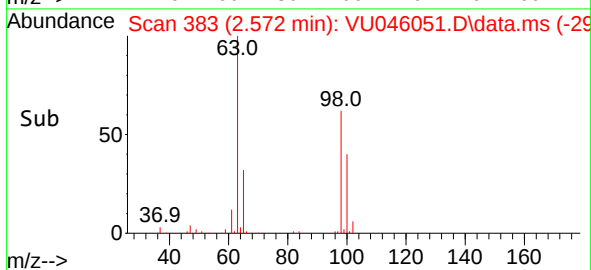
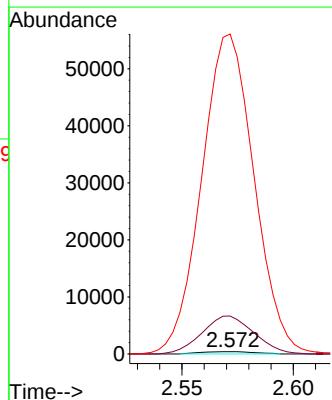
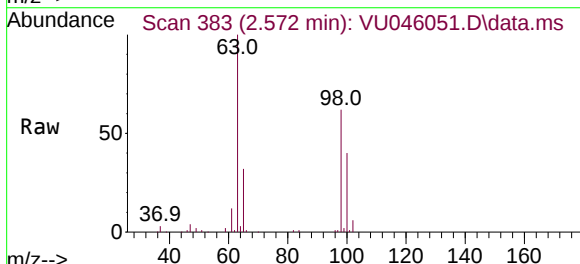
Instrument :  
MSVOA\_U  
ClientSampleId :

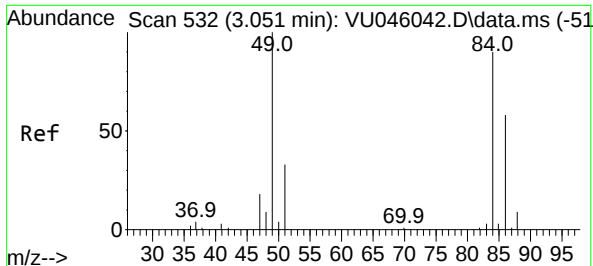
Tgt Ion:101 Resp: 737  
Ion Ratio Lower Upper  
101 100  
85 0.0 35.1 52.7#  
151 0.0 56.7 85.1#



#12  
1,1-Dichloroethene  
Concen: 0.446 ug/L  
RT: 2.572 min Scan# 383  
Delta R.T. -0.013 min  
Lab File: VU046051.D  
Acq: 02 Dec 2021 14:49

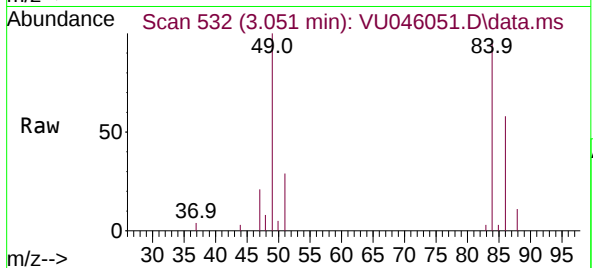
Tgt Ion: 96 Resp: 674  
Ion Ratio Lower Upper  
96 100  
61 1653.5 118.6 220.2#  
63 13958.2 93.0 172.8#



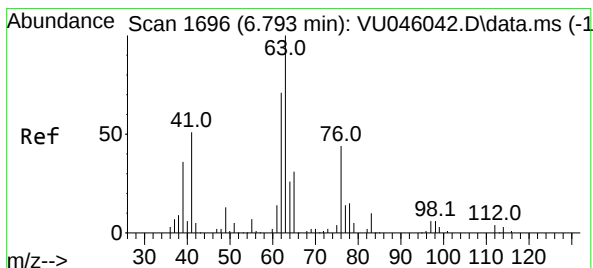
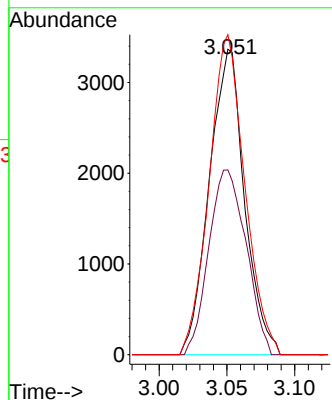
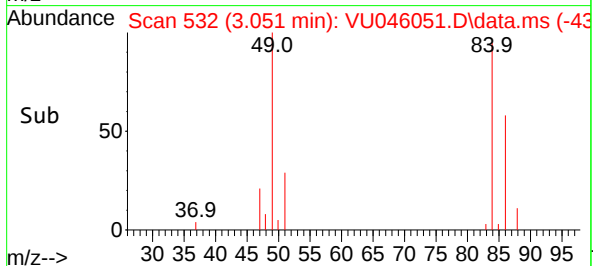


#16  
Methylene chloride  
Concen: 3.382 ug/L  
RT: 3.051 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VU046051.D  
Acq: 02 Dec 2021 14:49

Instrument :  
MSVOA\_U  
ClientSampleId :

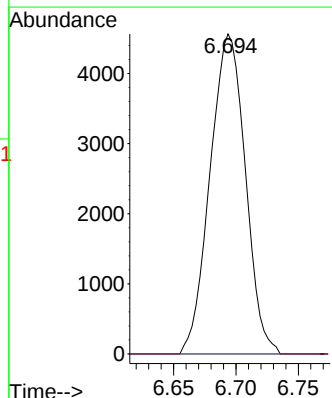
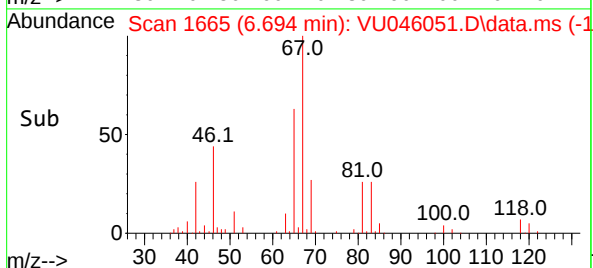
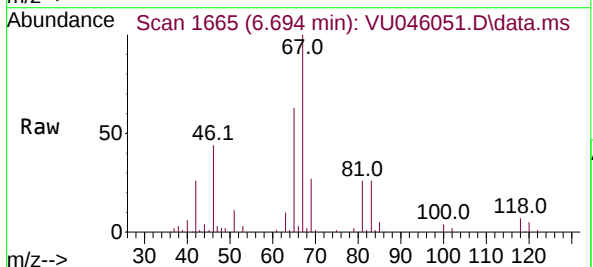


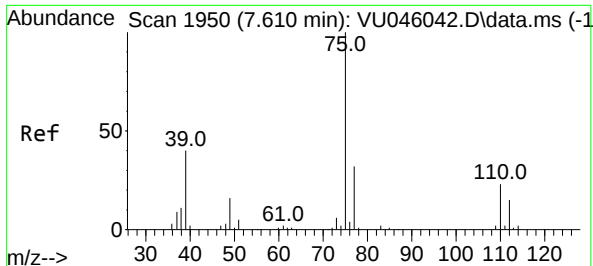
Tgt Ion: 84 Resp: 6078  
Ion Ratio Lower Upper  
84 100  
86 60.5 44.7 83.1  
49 104.8 78.4 145.6



#37  
1,2-Dichloropropane  
Concen: 5.273 ug/L  
RT: 6.694 min Scan# 1665  
Delta R.T. -0.100 min  
Lab File: VU046051.D  
Acq: 02 Dec 2021 14:49

Tgt Ion: 63 Resp: 9000  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.934 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046051.D

Acq: 02 Dec 2021 14:49

Instrument :

MSVOA\_U

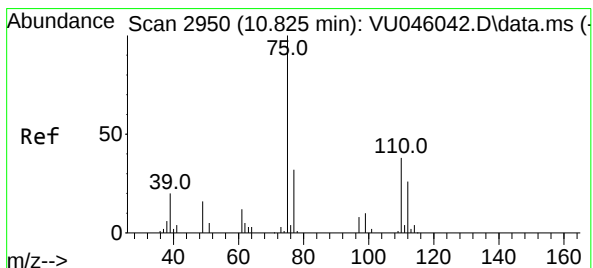
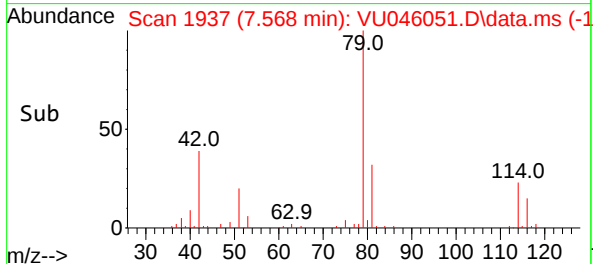
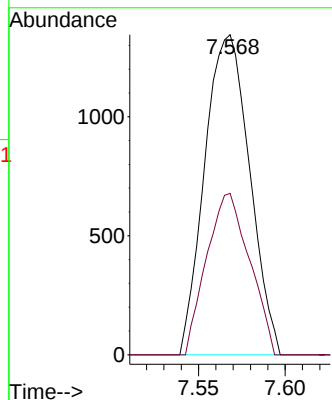
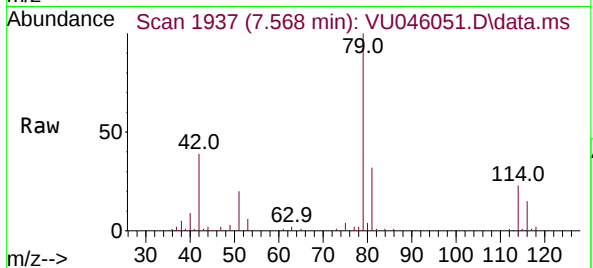
ClientSampleId :

Tgt Ion: 75 Resp: 2424

Ion Ratio Lower Upper

75 100

77 50.4 21.8 40.6#



#60

1,2,3-Trichloropropane

Concen: 5.328 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.984 min

Lab File: VU046051.D

Acq: 02 Dec 2021 14:49

Tgt Ion: 75 Resp: 12933

Ion Ratio Lower Upper

75 100

77 34.7 26.4 39.6

110 2.5 32.4 48.6#

