

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122221\  
 Data File : VU046559.D  
 Acq On : 22 Dec 2021 18:25  
 Operator : SY/MD  
 Sample : M5148-21DL 5X  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 23 04:31:39 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122121WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 23 04:25:43 2021  
 Response via : Initial Calibration

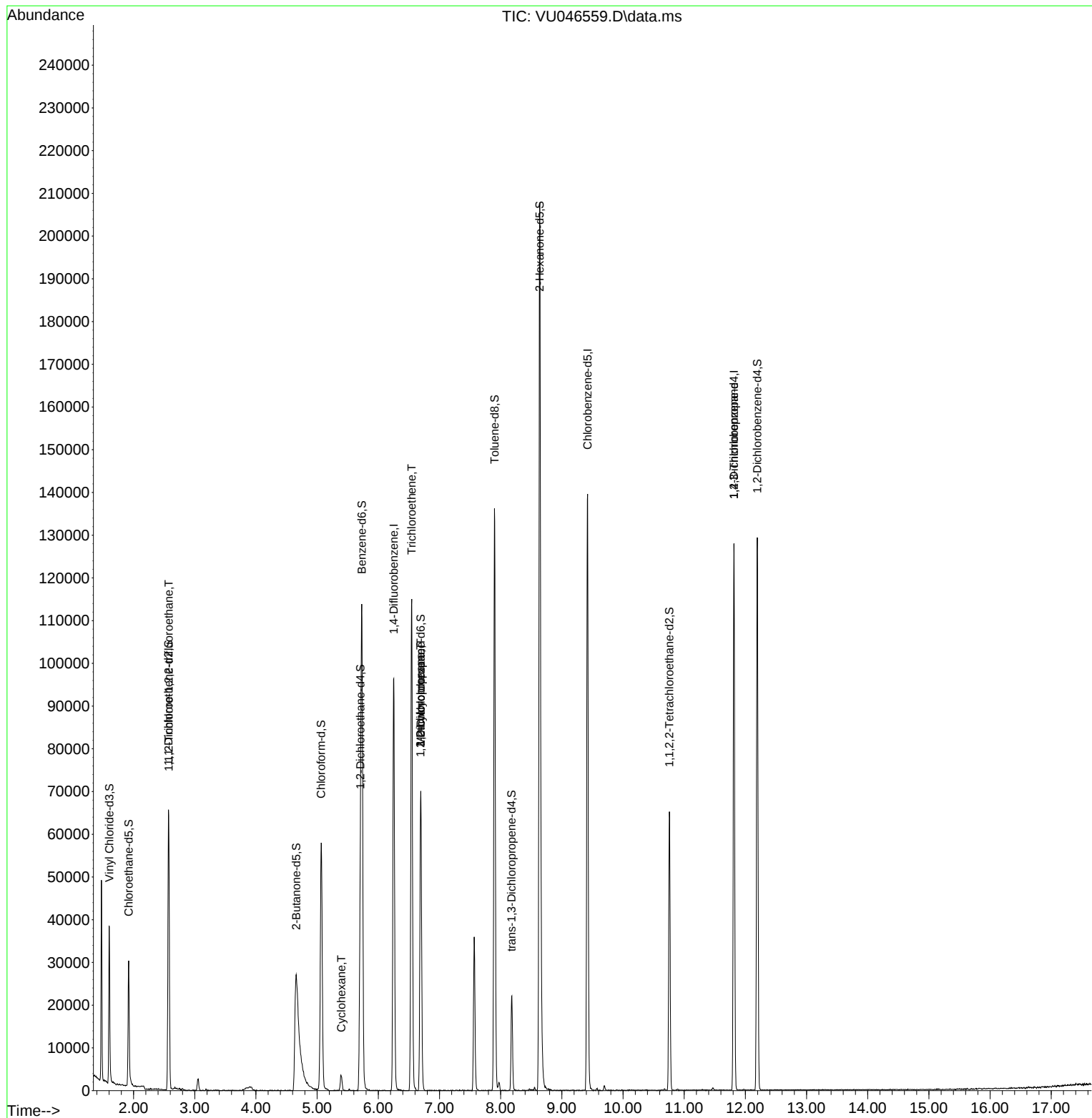
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253  | 114   | 79593    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117   | 77975    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 33953    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65    | 27999    | 4.466    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 89.400%  |
| 7) Chloroethane-d5            | 1.919  | 69    | 23558    | 4.772    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 95.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.571  | 65    | 12582    | 4.759    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 95.200%  |
| 20) 2-Butanone-d5             | 4.658  | 46    | 82025    | 45.106   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 90.220%  |
| 24) Chloroform-d              | 5.067  | 84    | 55141    | 4.800    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 96.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.706  | 65    | 32873    | 5.006    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.200% |
| 32) Benzene-d6                | 5.732  | 84    | 107507   | 4.946    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.693  | 67    | 33615    | 5.147    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 103.000% |
| 41) Toluene-d8                | 7.899  | 98    | 90607    | 4.593    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 91.800%  |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79    | 13826    | 4.577    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 91.600%  |
| 46) 2-Hexanone-d5             | 8.639  | 63    | 86399    | 48.714   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 97.420%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 31357    | 4.678    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 93.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 34184    | 5.466    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 109.400% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575  | 101   | 282      | 0.041    | ug/L # | 21       |
| 30) Cyclohexane               | 5.394  | 56    | 1917     | 0.180    | ug/L # | 21       |
| 34) Trichloroethene           | 6.546  | 95    | 40211    | 4.923    | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.693  | 83    | 8520     | 0.740    | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.690  | 63    | 3611     | 0.457    | ug/L # | 88       |
| 61) 1,2,3-Trichloropropane    | 11.812 | 75    | 4213     | 0.747    | ug/L # | 65       |
| -----                         |        |       |          |          |        |          |

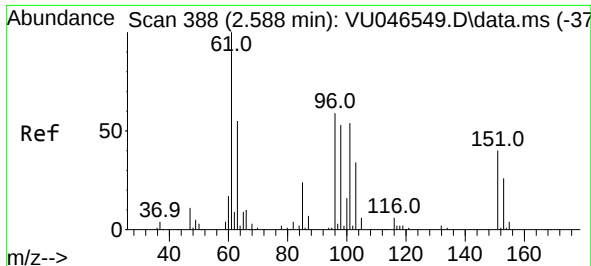
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 23 04:25:43 2021  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.041 ug/L

RT: 2.575 min Scan# 388

Delta R.T. -0.013 min

Lab File: VU046559.D

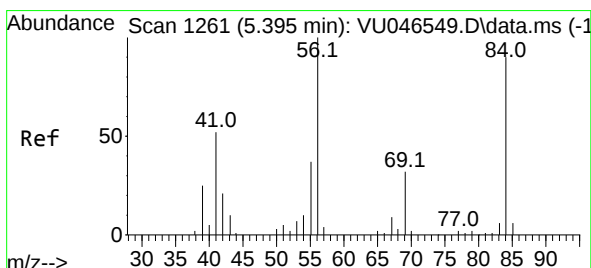
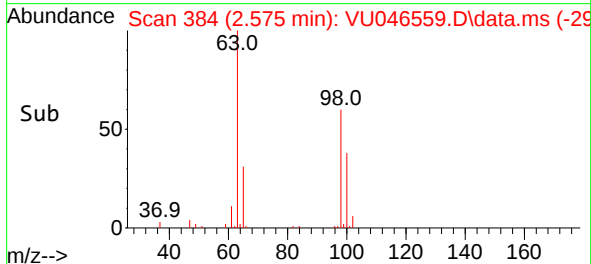
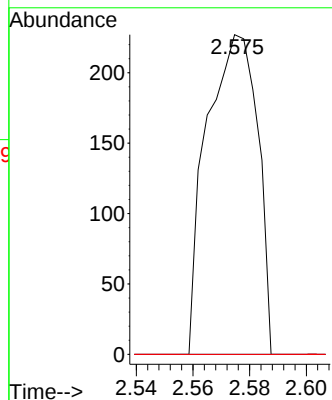
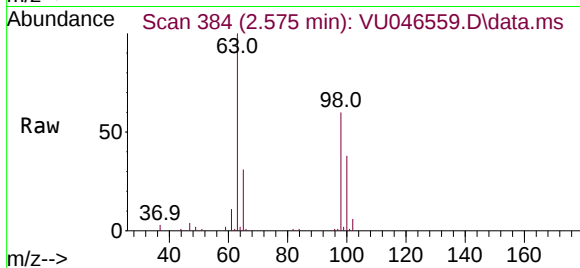
Acq: 22 Dec 2021 18:25

Instrument :

MSVOA\_U

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 282   |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 0.0   | 34.6  | 51.8# |
| 151      | 0.0   | 56.1  | 84.1# |



#30

Cyclohexane

Concen: 0.180 ug/L

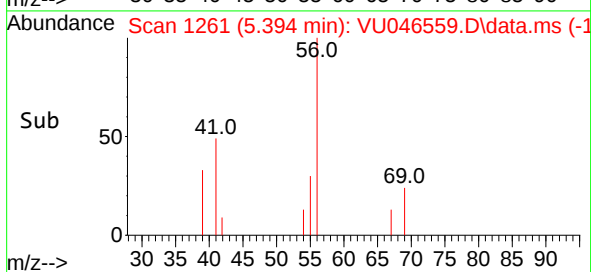
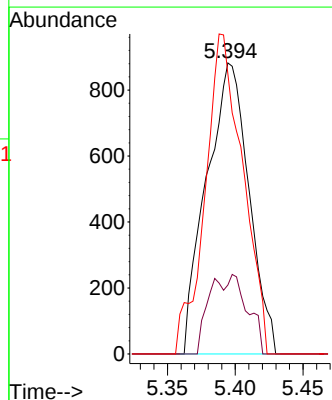
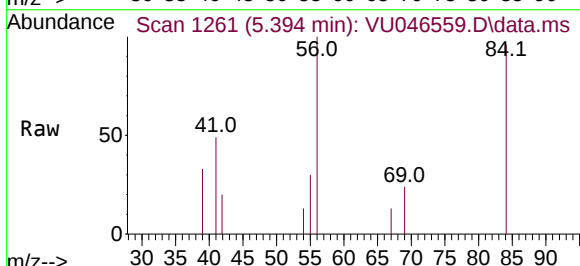
RT: 5.394 min Scan# 1261

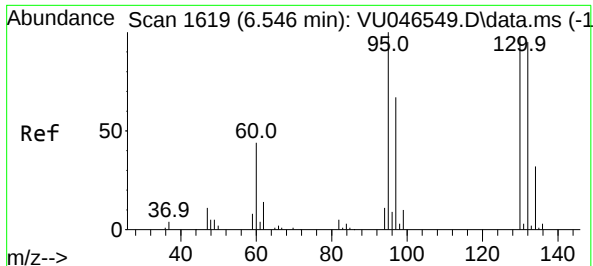
Delta R.T. -0.000 min

Lab File: VU046559.D

Acq: 22 Dec 2021 18:25

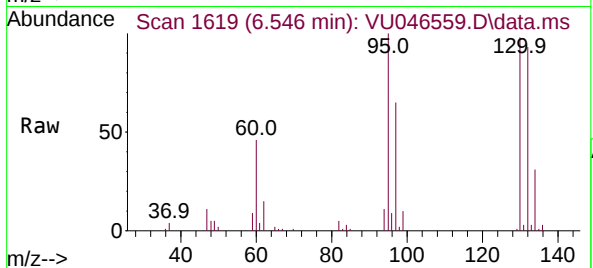
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 1917   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 13.6  | 24.7  | 37.1#  |
| 84       | 0.0   | 71.8  | 107.6# |





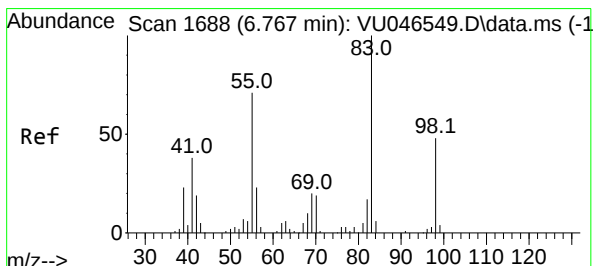
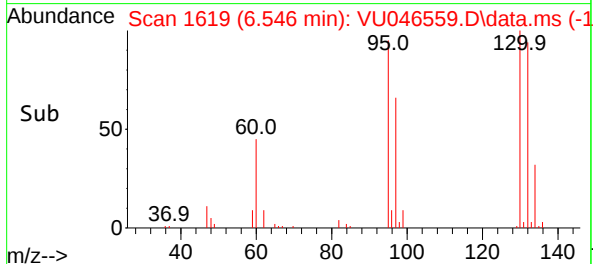
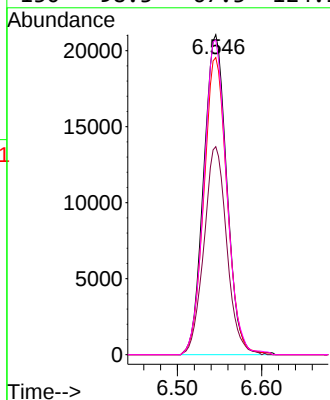
#34  
Trichloroethene  
Concen: 4.923 ug/L  
RT: 6.546 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VU046559.D  
Acq: 22 Dec 2021 18:25

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 95 Resp: 40211

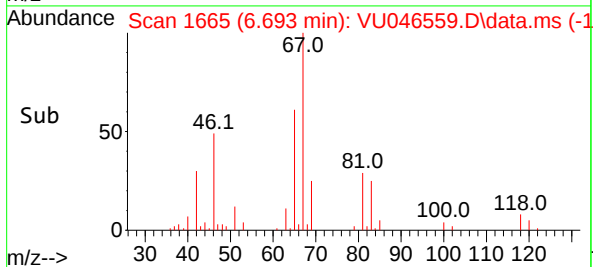
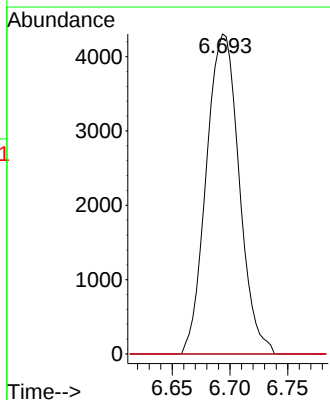
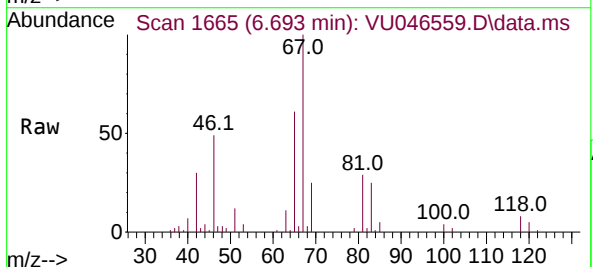
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.0  | 46.5  | 86.5  |
| 132 | 92.9  | 65.1  | 120.9 |
| 130 | 98.3  | 67.3  | 124.9 |

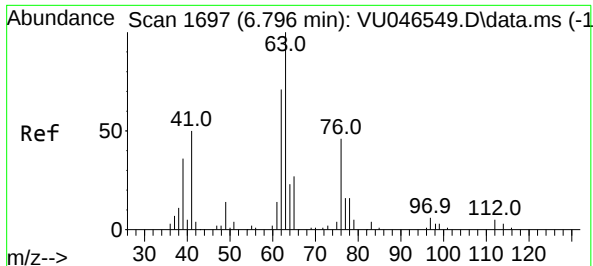


#35  
Methylcyclohexane  
Concen: 0.740 ug/L  
RT: 6.693 min Scan# 1665  
Delta R.T. -0.074 min  
Lab File: VU046559.D  
Acq: 22 Dec 2021 18:25

Tgt Ion: 83 Resp: 8520

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 0.0   | 61.9  | 92.9# |
| 98  | 0.0   | 39.0  | 58.6# |





#37

1,2-Dichloropropane

Concen: 0.457 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.106 min

Lab File: VU046559.D

Acq: 22 Dec 2021 18:25

Instrument :

MSVOA\_U

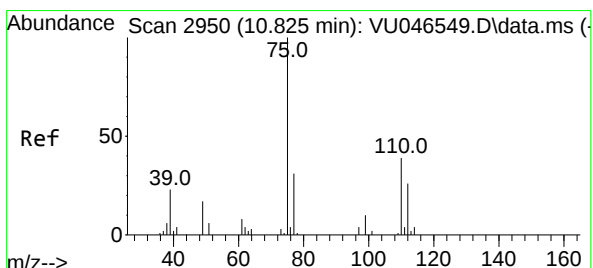
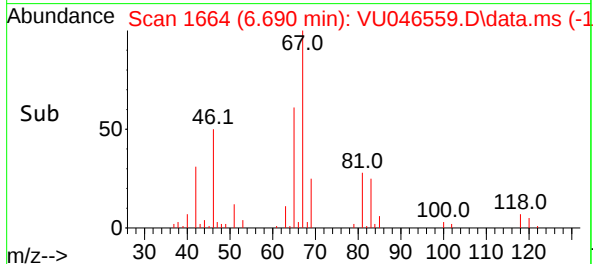
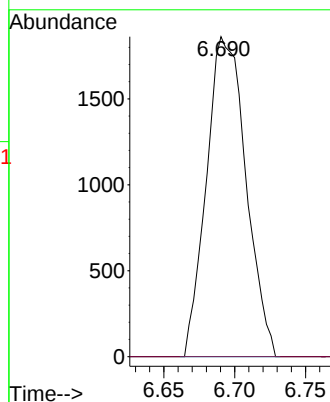
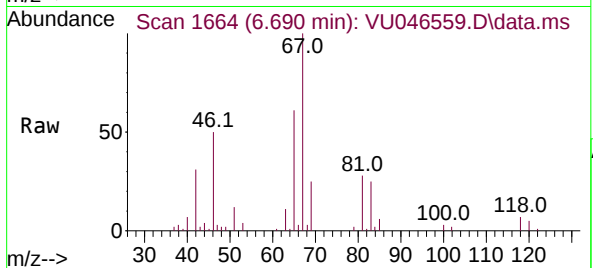
ClientSampleId :

Tgt Ion: 63 Resp: 3611

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#61

1,2,3-Trichloropropane

Concen: 0.747 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU046559.D

Acq: 22 Dec 2021 18:25

Tgt Ion: 75 Resp: 4213

Ion Ratio Lower Upper

75 100

110 0.0 29.9 44.9#

77 30.1 25.5 38.3

