

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120922\  
 Data File : VU052308.D  
 Acq On : 09 Dec 2022 17:49  
 Operator : JC/MD  
 Sample : N5960-06 200X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 09 23:13:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 08 04:19:43 2022  
 Response via : Initial Calibration

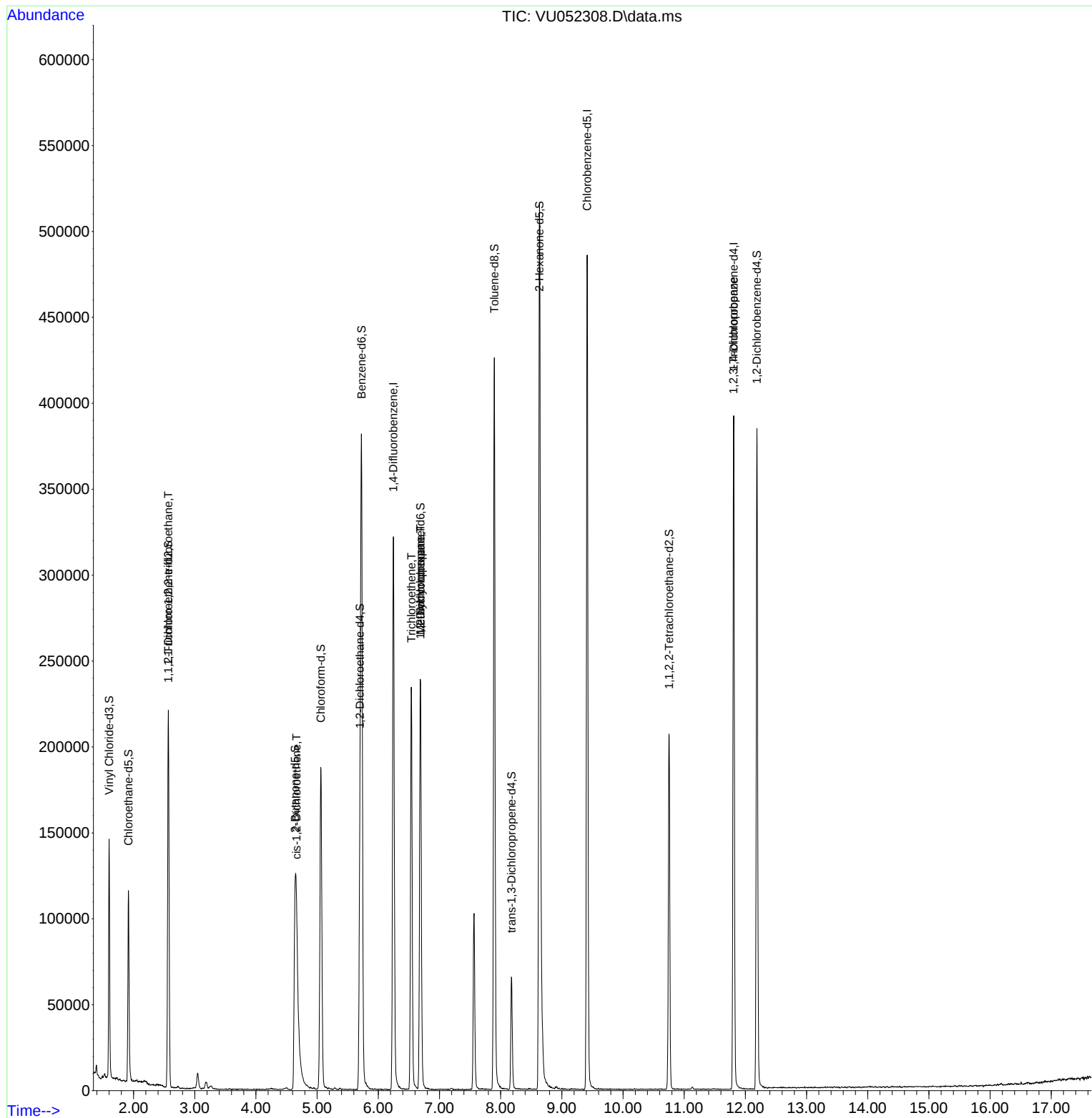
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 269329   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 276519   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 109816   | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 104238   | 3.979    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 79.600%  |
| 7) Chloroethane-d5            | 1.916  | 69    | 89048    | 4.376    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 87.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65    | 42173    | 4.491    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 89.800%  |
| 20) 2-Butanone-d5             | 4.642  | 46    | 264517   | 55.703   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 111.400% |
| 24) Chloroform-d              | 5.060  | 84    | 180884   | 4.699    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 94392    | 4.855    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.000%  |
| 32) Benzene-d6                | 5.726  | 84    | 372662   | 4.539    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 125025   | 4.921    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 98.400%  |
| 41) Toluene-d8                | 7.896  | 98    | 296466   | 3.991    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 79.800%  |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79    | 38116    | 4.117    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 82.400%  |
| 46) 2-Hexanone-d5             | 8.633  | 63    | 186713   | 47.588   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 95.180%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84    | 108398   | 4.921    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 98.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.189 | 152   | 105512   | 5.018    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 100.400% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.565  | 101   | 1286     | 0.065    | ug/L # | 20       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96    | 9160     | 0.417    | ug/L   | 96       |
| 34) Trichloroethene           | 6.539  | 95    | 82459    | 3.674    | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.687  | 83    | 28102    | 0.870    | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 6.690  | 63    | 12309    | 0.528    | ug/L # | 88       |
| 61) 1,2,3-Trichloropropane    | 11.806 | 75    | 12788    | 1.017    | ug/L # | 69       |
| -----                         |        |       |          |          |        |          |

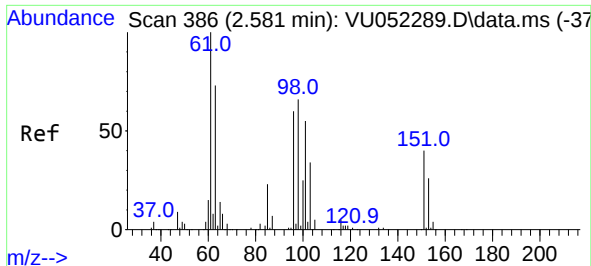
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Dec 08 04:19:43 2022  
Response via : Initial Calibration

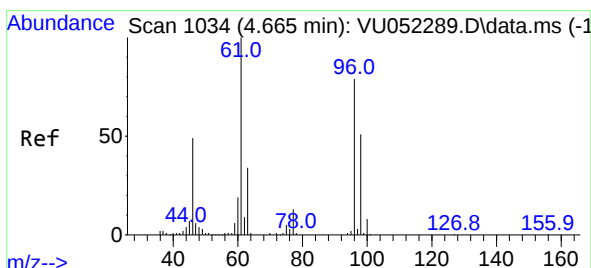
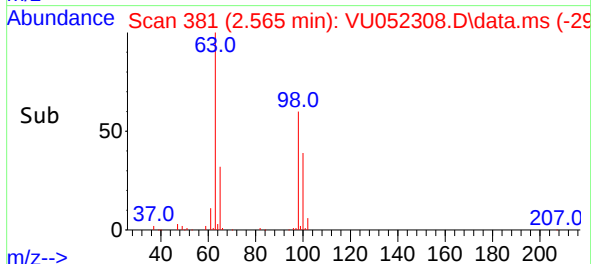
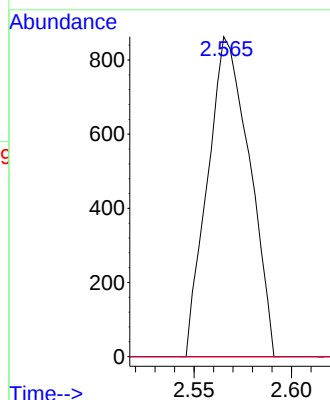
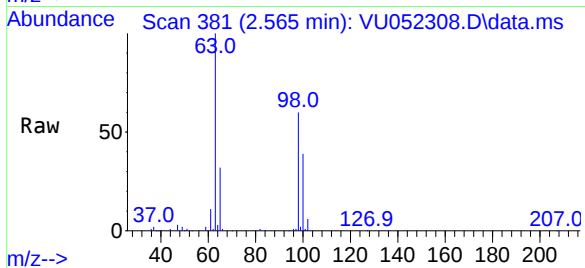




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.065 ug/L  
RT: 2.565 min Scan# 381  
Delta R.T. -0.016 min  
Lab File: VU052308.D  
Acq: 09 Dec 2022 17:49

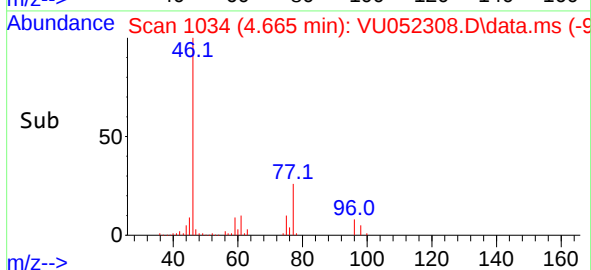
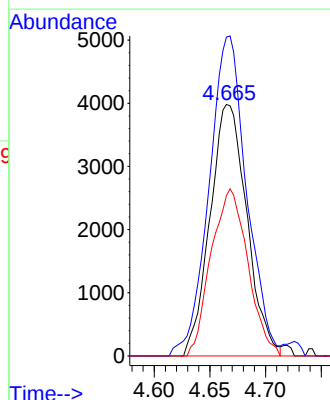
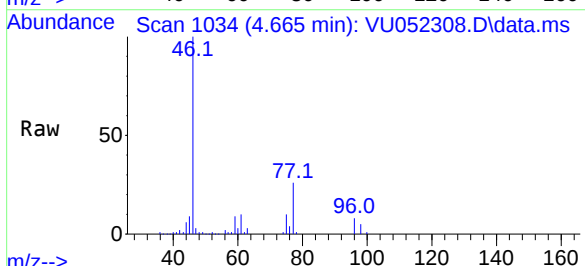
Instrument :  
MSVOA\_U  
ClientSampleId :

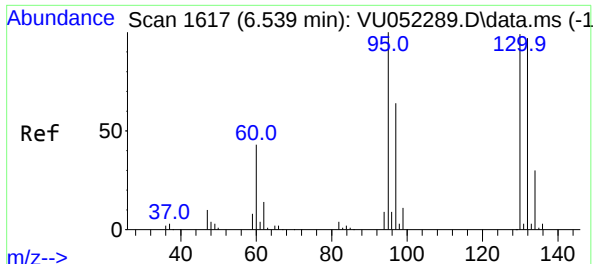
Tgt Ion:101 Resp: 1286  
Ion Ratio Lower Upper  
101 100  
85 0.0 33.8 50.6#  
151 0.0 58.6 88.0#



#22  
cis-1,2-Dichloroethene  
Concen: 0.417 ug/L  
RT: 4.665 min Scan# 1034  
Delta R.T. 0.000 min  
Lab File: VU052308.D  
Acq: 09 Dec 2022 17:49

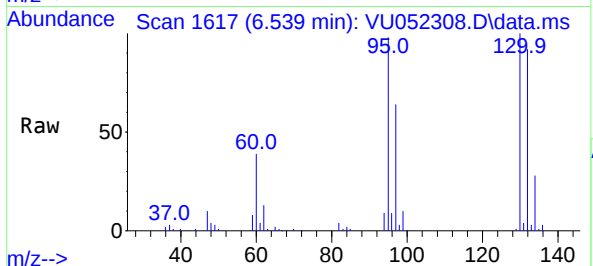
Tgt Ion: 96 Resp: 9160  
Ion Ratio Lower Upper  
96 100  
61 126.8 85.1 158.1  
98 63.8 42.8 79.6





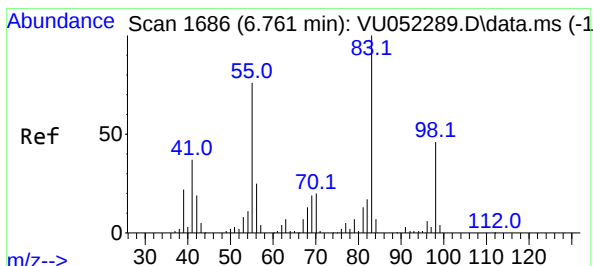
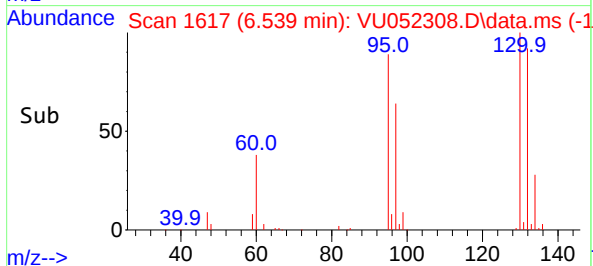
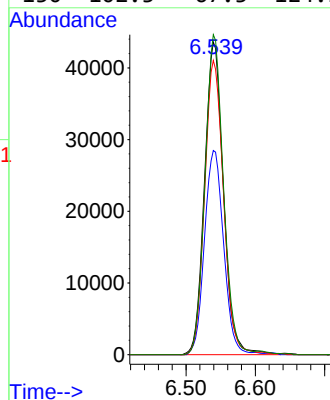
#34  
Trichloroethene  
Concen: 3.674 ug/L  
RT: 6.539 min Scan# 1617  
Delta R.T. -0.003 min  
Lab File: VU052308.D  
Acq: 09 Dec 2022 17:49

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 95 Resp: 82459

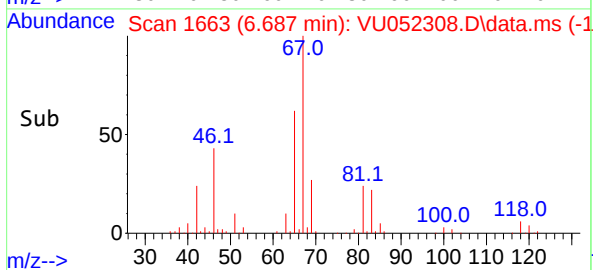
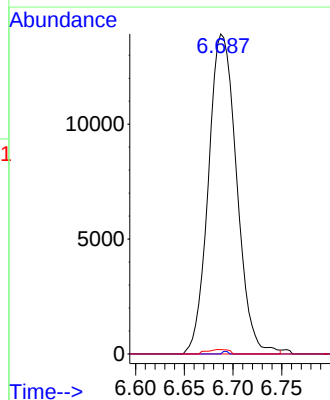
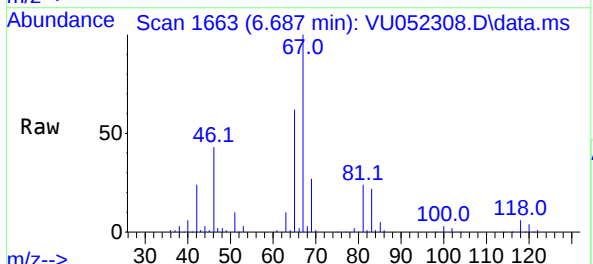
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.3  | 43.7  | 81.1  |
| 132 | 94.1  | 64.3  | 119.3 |
| 130 | 102.3 | 67.3  | 124.9 |

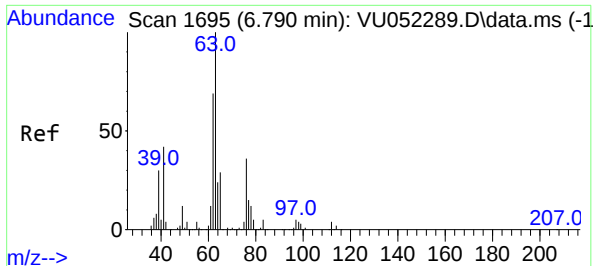


#35  
Methylcyclohexane  
Concen: 0.870 ug/L  
RT: 6.687 min Scan# 1663  
Delta R.T. -0.074 min  
Lab File: VU052308.D  
Acq: 09 Dec 2022 17:49

Tgt Ion: 83 Resp: 28102

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 0.2   | 60.8  | 91.2# |
| 98  | 1.1   | 35.1  | 52.7# |

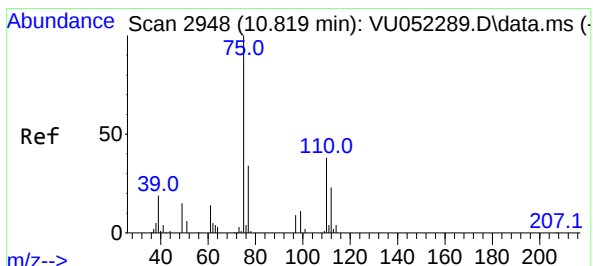
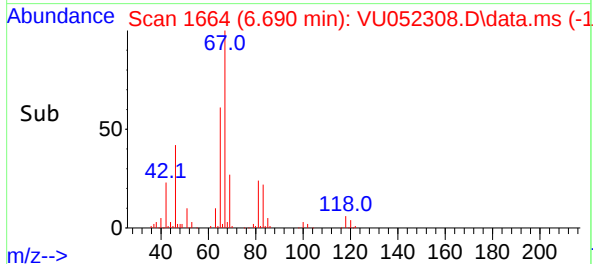
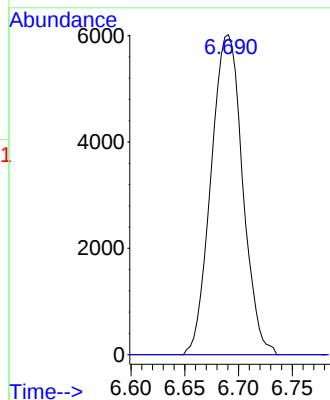
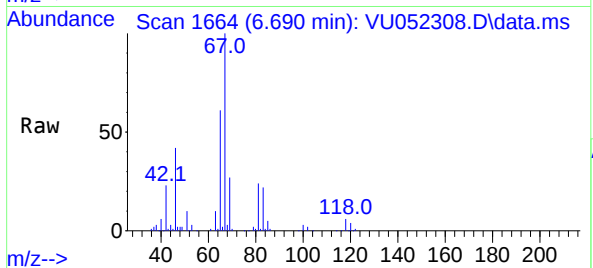




#37  
1,2-Dichloropropane  
Concen: 0.528 ug/L  
RT: 6.690 min Scan# 1  
Delta R.T. -0.100 min  
Lab File: VU052308.D  
Acq: 09 Dec 2022 17:49

Instrument :  
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ClientSampleId :

Tgt Ion: 63 Resp: 12309  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.3 4.9#



#61  
1,2,3-Trichloropropane  
Concen: 1.017 ug/L  
RT: 11.806 min Scan# 3255  
Delta R.T. 0.987 min  
Lab File: VU052308.D  
Acq: 09 Dec 2022 17:49

Tgt Ion: 75 Resp: 12788  
Ion Ratio Lower Upper  
75 100  
110 1.4 28.3 42.5#  
77 31.7 26.2 39.2

