

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092623\  
 Data File : VU055536.D  
 Acq On : 26 Sep 2023 23:54  
 Operator : MD/SY  
 Sample : 04530-12  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Sep 27 06:36:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR091923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 27 06:19:47 2023  
 Response via : Initial Calibration

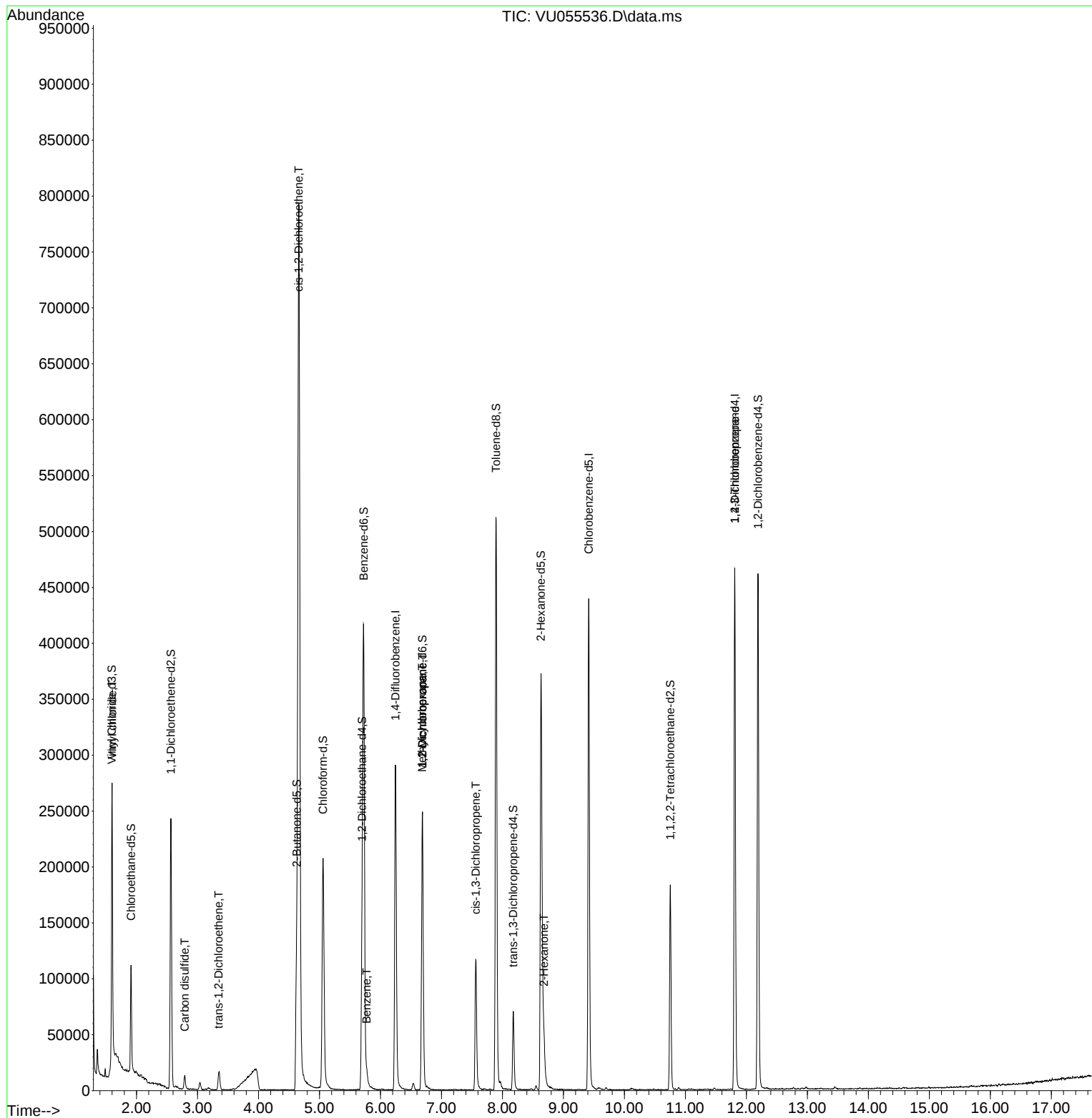
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 254986   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 257787   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.810 | 152   | 131191   | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 98652    | 3.828    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 76.600%  |
| 7) Chloroethane-d5            | 1.910  | 69    | 68867    | 3.032    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 60.600%# |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 45849    | 4.322    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 86.400%  |
| 20) 2-Butanone-d5             | 4.627  | 46    | 198797   | 42.707   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 85.420%  |
| 24) Chloroform-d              | 5.058  | 84    | 203506   | 4.366    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 94941    | 4.234    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 84.600%  |
| 32) Benzene-d6                | 5.724  | 84    | 418683   | 4.643    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.688  | 67    | 128689   | 4.777    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 95.600%  |
| 41) Toluene-d8                | 7.894  | 98    | 361554   | 4.399    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 88.000%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 43975    | 4.651    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 93.000%  |
| 46) 2-Hexanone-d5             | 8.630  | 63    | 122287   | 42.523   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 85.040%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 95968    | 4.753    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 95.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 128121   | 4.839    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 96.800%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 5) Vinyl chloride             | 1.602  | 62    | 91335    | 3.877    | ug/L # | 71       |
| 14) Carbon disulfide          | 2.791  | 76    | 16162    | 0.302    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 7572     | 0.421    | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 430422   | 20.660   | ug/L   | 98       |
| 33) Benzene                   | 5.775  | 78    | 11587    | 0.156    | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.685  | 83    | 30020    | 0.993    | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 6.688  | 63    | 12703    | 0.655    | ug/L # | 89       |
| 39) cis-1,3-Dichloropropene   | 7.563  | 75    | 2914     | 0.113    | ug/L # | 57       |
| 48) 2-Hexanone                | 8.682  | 43    | 23145    | 3.393    | ug/L # | 82       |
| 61) 1,2,3-Trichloropropane    | 11.810 | 75    | 13998    | 1.367    | ug/L # | 67       |
| -----                         |        |       |          |          |        |          |

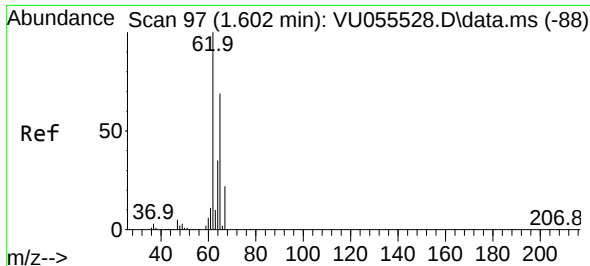
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 27 06:19:47 2023  
Response via : Initial Calibration

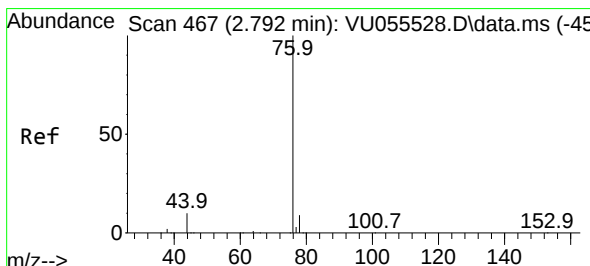
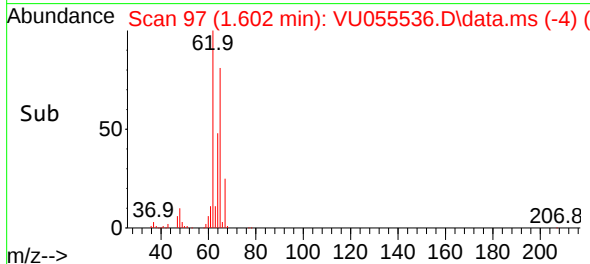
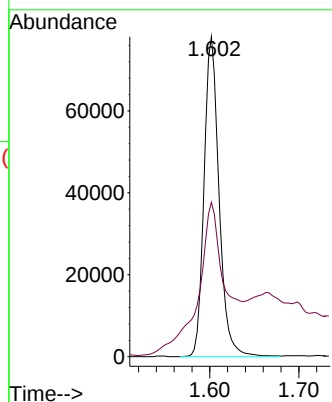
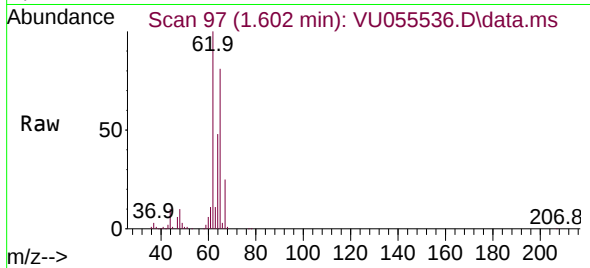




#5  
 Vinyl chloride  
 Concen: 3.877 ug/L  
 RT: 1.602 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VU055536.D  
 Acq: 26 Sep 2023 23:54

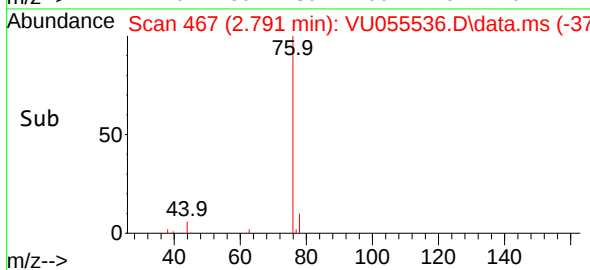
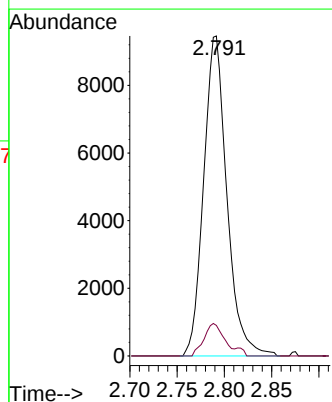
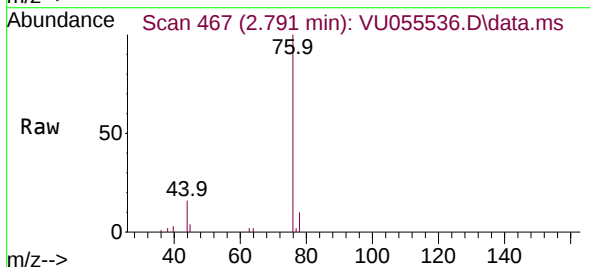
Instrument :  
 MSVOA\_U  
 ClientSampleId :

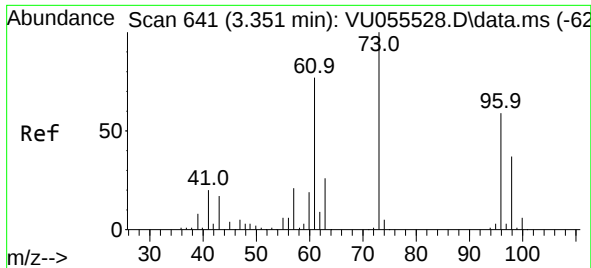
Tgt Ion: 62 Resp: 91335  
 Ion Ratio Lower Upper  
 62 100  
 64 48.2 22.3 41.5#



#14  
 Carbon disulfide  
 Concen: 0.302 ug/L  
 RT: 2.791 min Scan# 467  
 Delta R.T. -0.000 min  
 Lab File: VU055536.D  
 Acq: 26 Sep 2023 23:54

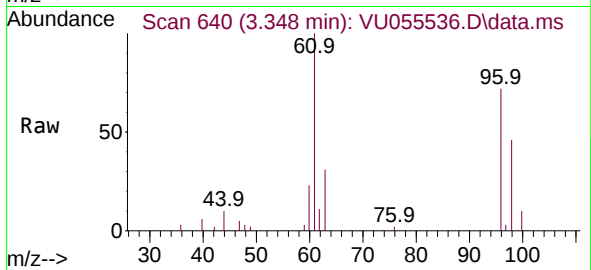
Tgt Ion: 76 Resp: 16162  
 Ion Ratio Lower Upper  
 76 100  
 78 9.5 7.7 11.5





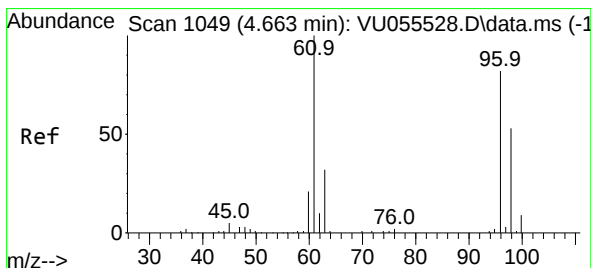
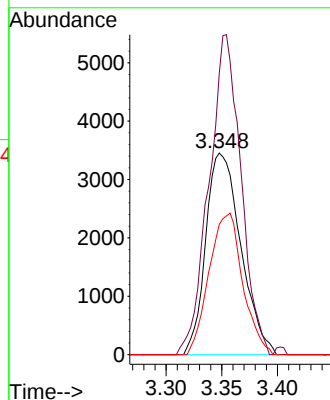
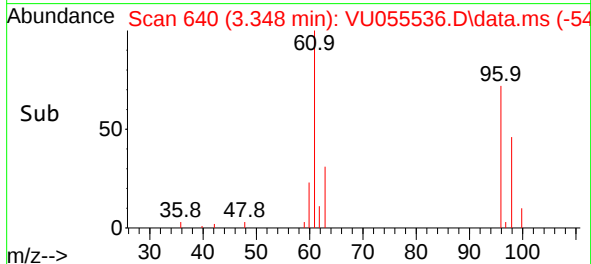
#18  
 trans-1,2-Dichloroethene  
 Concen: 0.421 ug/L  
 RT: 3.348 min Scan# 641  
 Delta R.T. -0.003 min  
 Lab File: VU055536.D  
 Acq: 26 Sep 2023 23:54

Instrument :  
 MSVOA\_U  
 ClientSampleId :

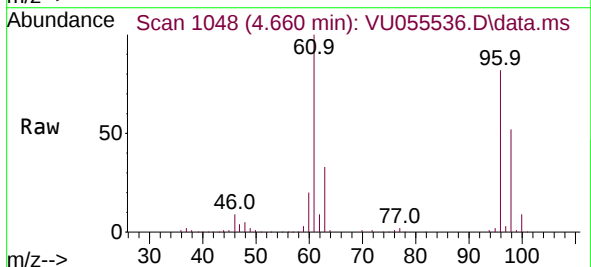


Tgt Ion: 96 Resp: 7572

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 139.3 | 94.6  | 175.6 |
| 98  | 64.6  | 45.7  | 84.9  |

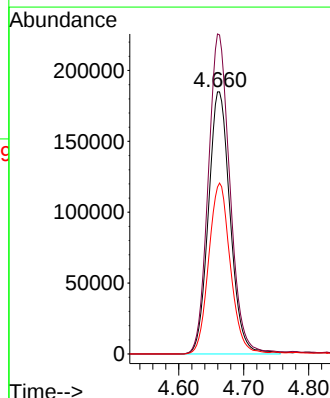
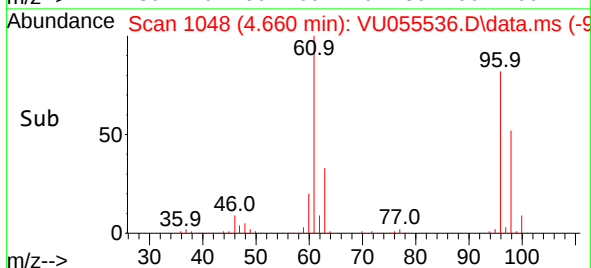


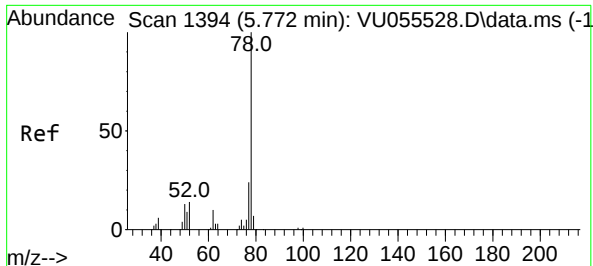
#22  
 cis-1,2-Dichloroethene  
 Concen: 20.660 ug/L  
 RT: 4.660 min Scan# 1048  
 Delta R.T. -0.003 min  
 Lab File: VU055536.D  
 Acq: 26 Sep 2023 23:54



Tgt Ion: 96 Resp: 430422

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 122.1 | 87.8  | 163.2 |
| 98  | 63.7  | 44.4  | 82.4  |

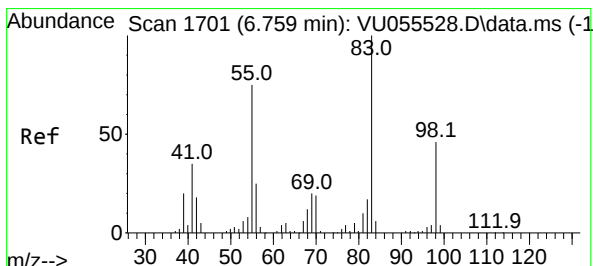
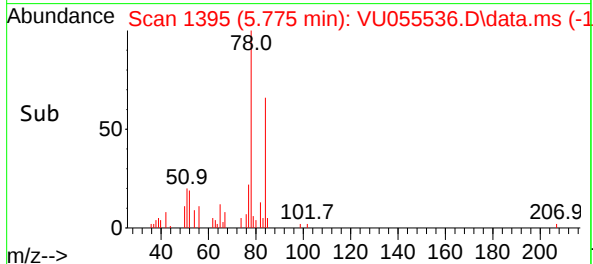
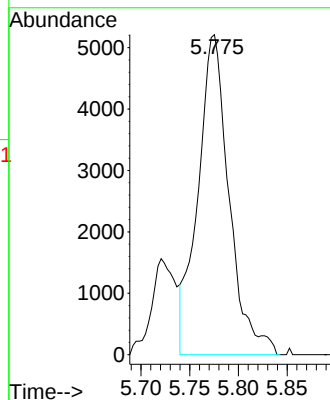
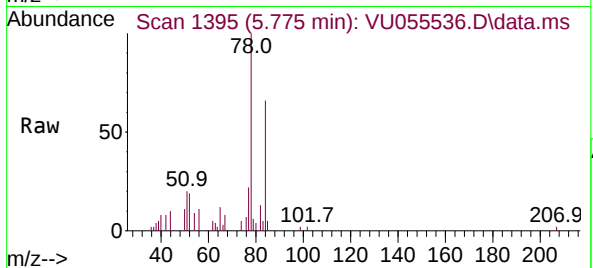




#33  
Benzene  
Concen: 0.156 ug/L  
RT: 5.775 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU055536.D  
Acq: 26 Sep 2023 23:54

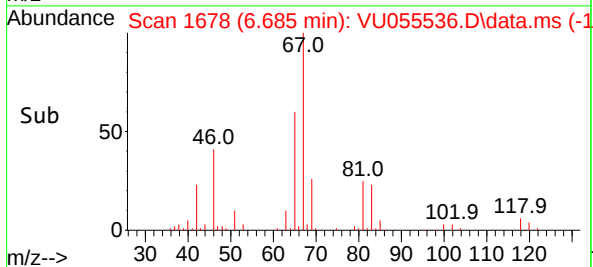
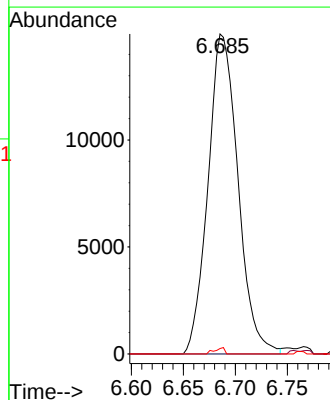
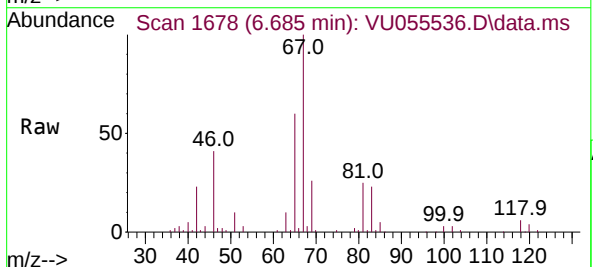
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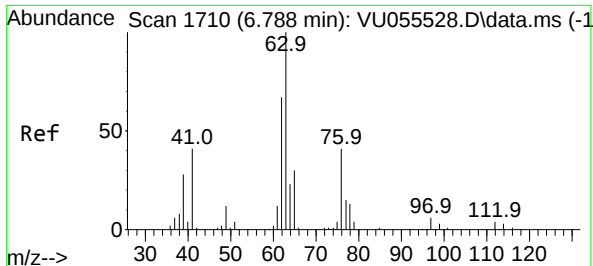
Tgt Ion: 78 Resp: 11587



#35  
Methylcyclohexane  
Concen: 0.993 ug/L  
RT: 6.685 min Scan# 1678  
Delta R.T. -0.074 min  
Lab File: VU055536.D  
Acq: 26 Sep 2023 23:54

Tgt Ion: 83 Resp: 30020  
Ion Ratio Lower Upper  
83 100  
55 0.4 59.1 88.7#  
98 0.6 36.3 54.5#

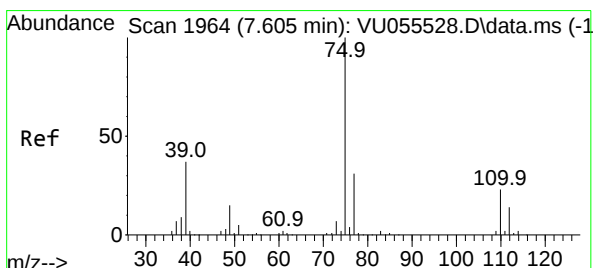
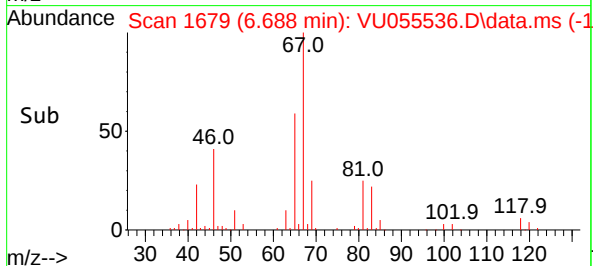
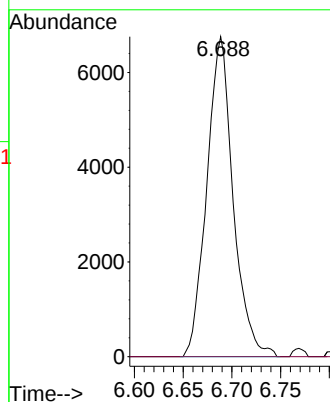
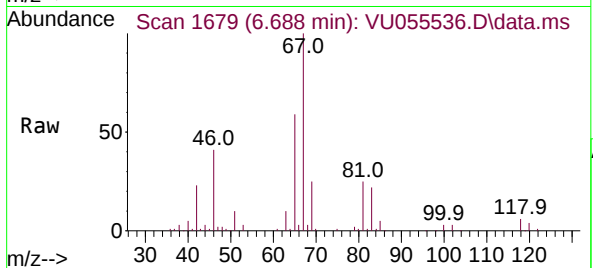




#37  
1,2-Dichloropropane  
Concen: 0.655 ug/L  
RT: 6.688 min Scan# 1  
Delta R.T. -0.100 min  
Lab File: VU055536.D  
Acq: 26 Sep 2023 23:54

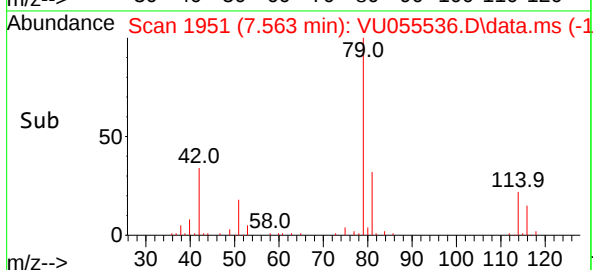
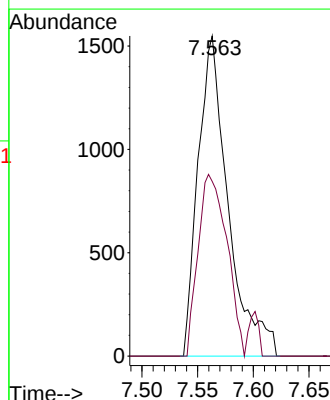
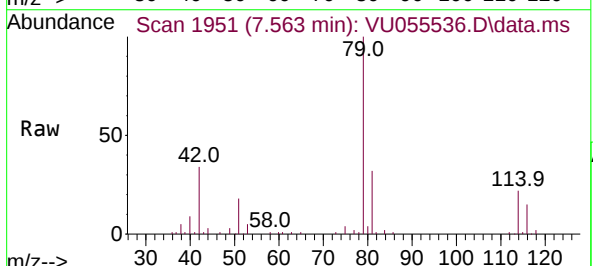
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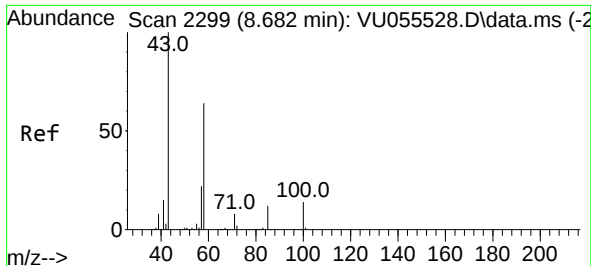
Tgt Ion: 63 Resp: 12703  
Ion Ratio Lower Upper  
63 100  
112 0.2 3.0 4.6#



#39  
cis-1,3-Dichloropropene  
Concen: 0.113 ug/L  
RT: 7.563 min Scan# 1951  
Delta R.T. -0.042 min  
Lab File: VU055536.D  
Acq: 26 Sep 2023 23:54

Tgt Ion: 75 Resp: 2914  
Ion Ratio Lower Upper  
75 100  
77 54.6 21.6 40.2#

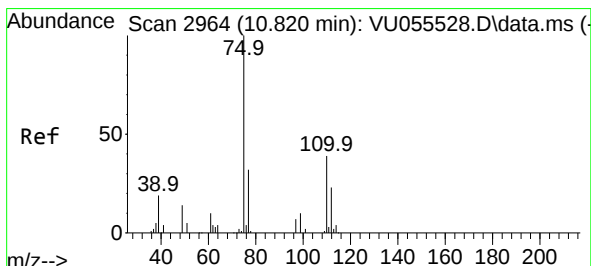
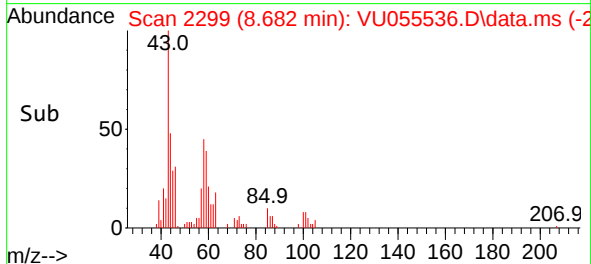
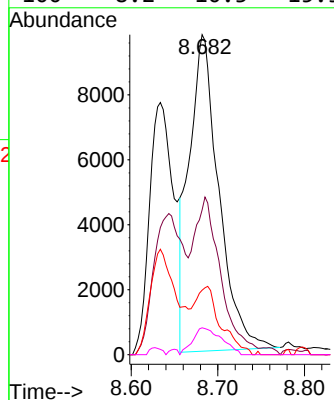
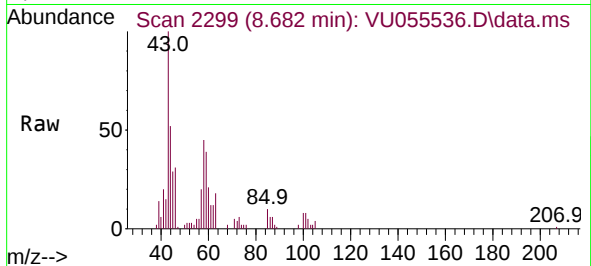




#48  
2-Hexanone  
Concen: 3.393 ug/L  
RT: 8.682 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU055536.D  
Acq: 26 Sep 2023 23:54

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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 23145 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 42.3  | 48.5  | 72.7# |
| 57       | 18.3  | 17.0  | 25.4  |
| 100      | 8.2   | 10.3  | 15.5# |



#61  
1,2,3-Trichloropropane  
Concen: 1.367 ug/L  
RT: 11.810 min Scan# 3272  
Delta R.T. 0.990 min  
Lab File: VU055536.D  
Acq: 26 Sep 2023 23:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 13998 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 1.9   | 30.6  | 45.8# |
| 77       | 34.8  | 26.7  | 40.1  |

