

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092823\  
 Data File : VU055583.D  
 Acq On : 28 Sep 2023 17:13  
 Operator : MD/SY  
 Sample : 04579-09  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Sep 29 02:14:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR091923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 27 23:33:30 2023  
 Response via : Initial Calibration

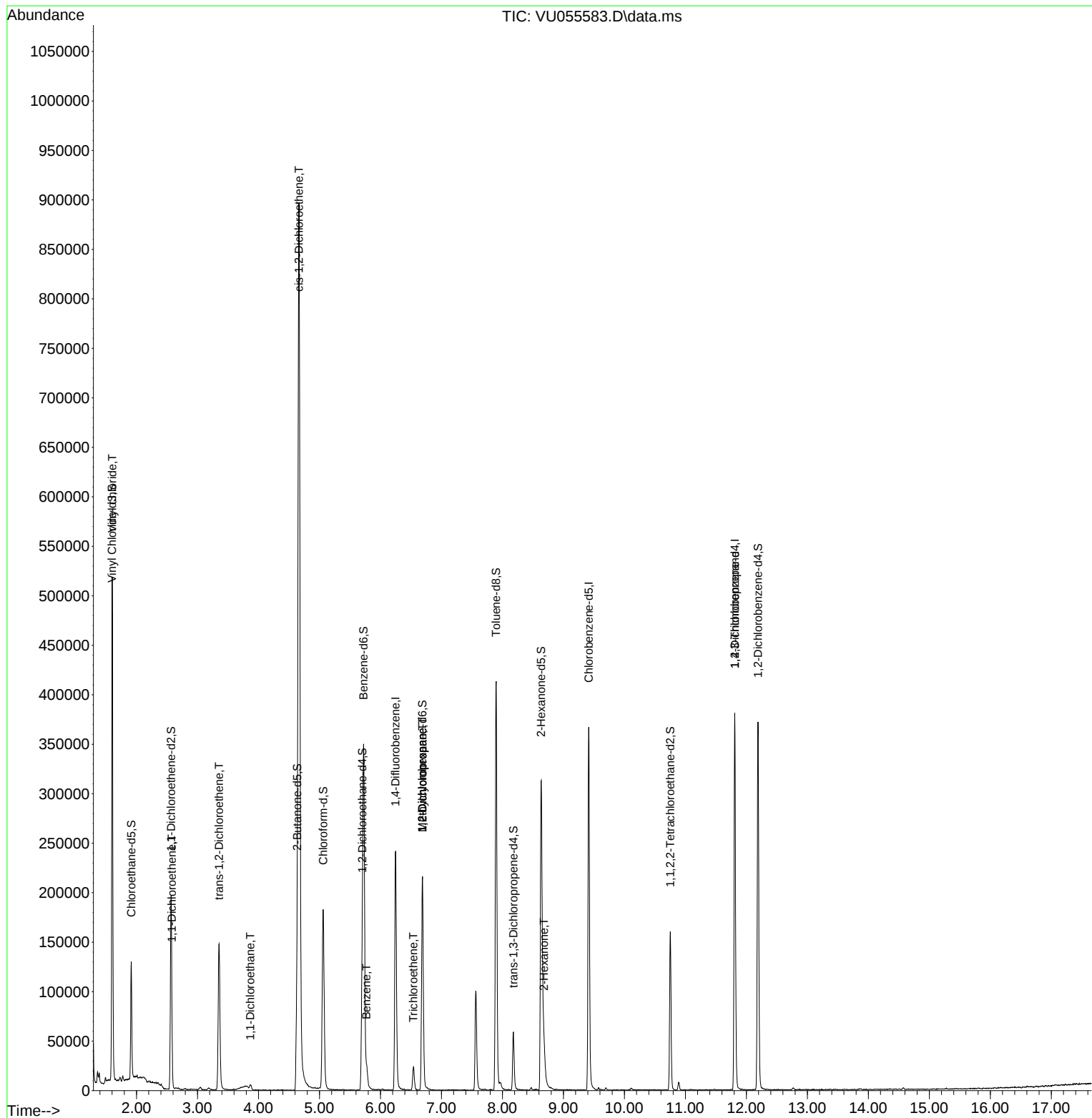
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.248  | 114   | 202454   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 208680   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.811 | 152   | 102407   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.599  | 65    | 94167    | 4.602    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 92.000%  |
| 7) Chloroethane-d5            | 1.914  | 69    | 84367    | 4.679    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 93.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.567  | 65    | 35428    | 4.206    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 84.200%  |
| 20) 2-Butanone-d5             | 4.634  | 46    | 179810   | 48.651   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 97.300%  |
| 24) Chloroform-d              | 5.062  | 84    | 173906   | 4.699    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.701  | 65    | 85638    | 4.810    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.200%  |
| 32) Benzene-d6                | 5.724  | 84    | 341113   | 4.673    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.689  | 67    | 104333   | 4.784    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 95.600%  |
| 41) Toluene-d8                | 7.898  | 98    | 286296   | 4.303    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.000%  |
| 43) trans-1,3-Dichloroprop... | 8.180  | 79    | 35441    | 4.631    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 92.600%  |
| 46) 2-Hexanone-d5             | 8.634  | 63    | 104619   | 44.940   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 89.880%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 81497    | 4.986    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 99.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 103185   | 4.992    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 99.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Vinyl chloride             | 1.602  | 62    | 271068   | 14.490   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.579  | 96    | 1755     | 0.124    | ug/L # | 1        |
| 18) trans-1,2-Dichloroethene  | 3.354  | 96    | 65665    | 4.603    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.866  | 63    | 6323     | 0.240    | ug/L # | 80       |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96    | 469674   | 28.394   | ug/L   | 98       |
| 33) Benzene                   | 5.772  | 78    | 17609    | 0.293    | ug/L   | 100      |
| 34) Trichloroethene           | 6.541  | 95    | 7808     | 0.460    | ug/L   | 91       |
| 35) Methylcyclohexane         | 6.689  | 83    | 24751    | 1.011    | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 6.689  | 63    | 11399    | 0.726    | ug/L # | 88       |
| 48) 2-Hexanone                | 8.682  | 43    | 21078    | 3.817    | ug/L # | 77       |
| 61) 1,2,3-Trichloropropane    | 11.811 | 75    | 13510    | 1.690    | ug/L # | 69       |
| -----                         |        |       |          |          |        |          |

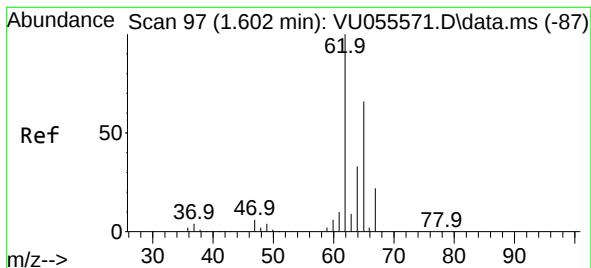
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092823\  
Data File : VU055583.D  
Acq On : 28 Sep 2023 17:13  
Operator : MD/SY  
Sample : 04579-09  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Sep 29 02:14:26 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR091923WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Sep 27 23:33:30 2023  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 14.490 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU055583.D

Acq: 28 Sep 2023 17:13

Instrument :

MSVOA\_U

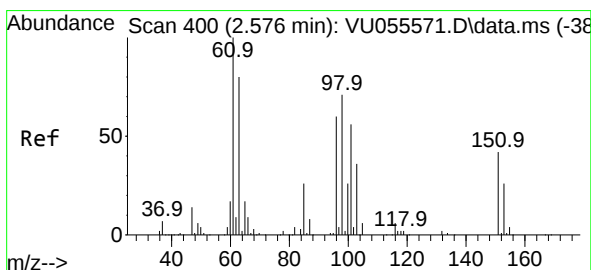
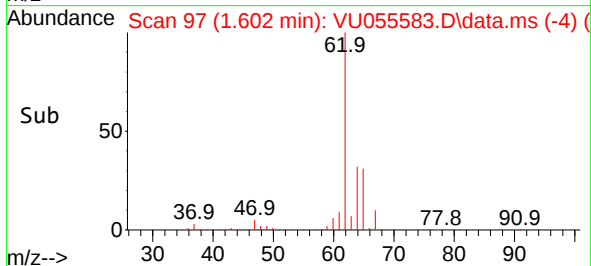
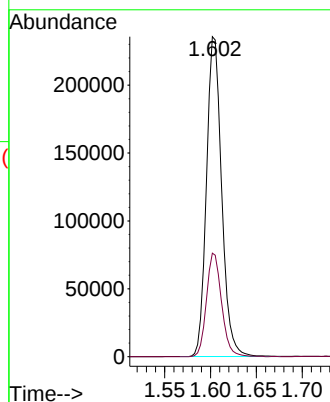
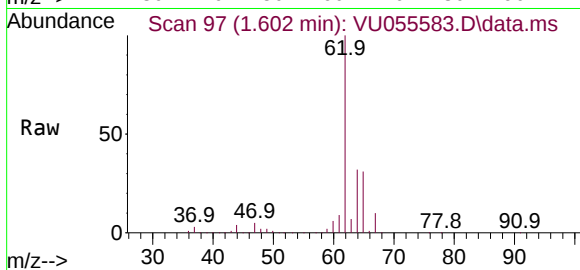
ClientSampleId :

Tgt Ion: 62 Resp: 271068

Ion Ratio Lower Upper

62 100

64 32.3 22.3 41.5



#12

1,1-Dichloroethene

Concen: 0.124 ug/L

RT: 2.579 min Scan# 401

Delta R.T. 0.003 min

Lab File: VU055583.D

Acq: 28 Sep 2023 17:13

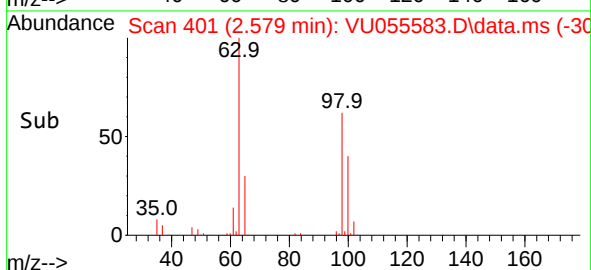
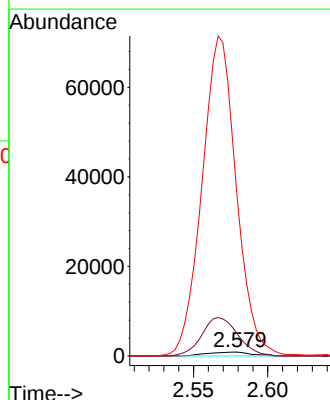
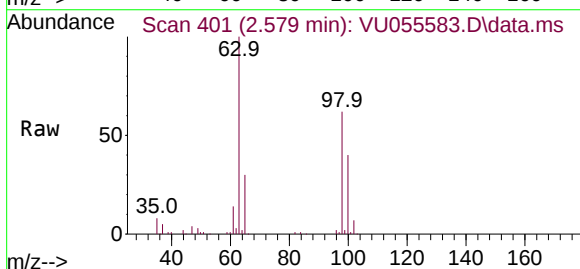
Tgt Ion: 96 Resp: 1755

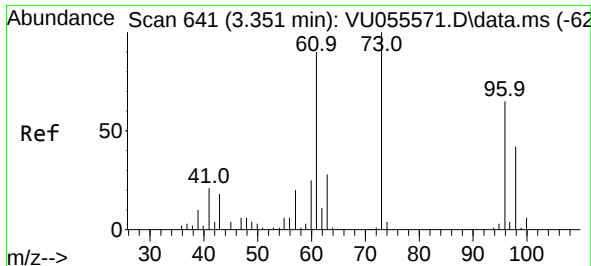
Ion Ratio Lower Upper

96 100

61 580.1 114.5 212.7#

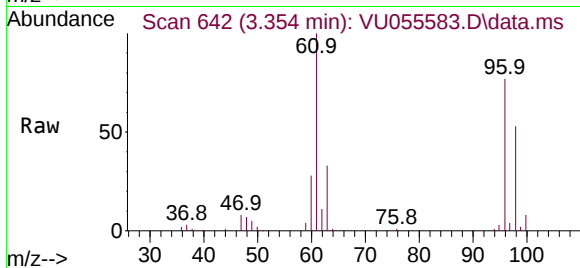
63 4163.6 98.3 182.5#



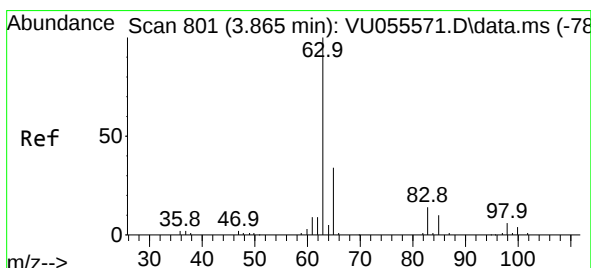
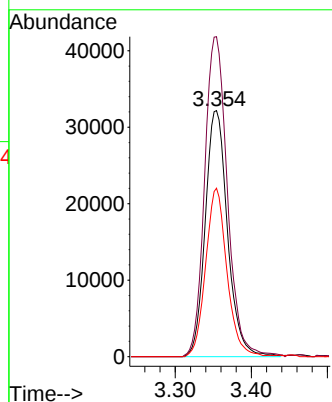
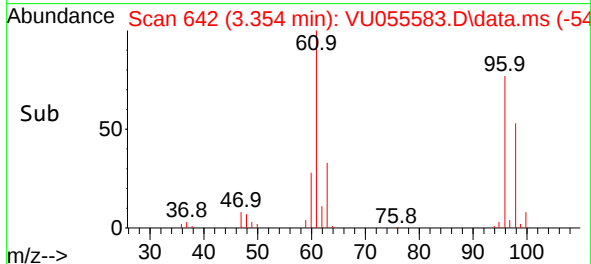


#18  
trans-1,2-Dichloroethene  
Concen: 4.603 ug/L  
RT: 3.354 min Scan# 641  
Delta R.T. 0.003 min  
Lab File: VU055583.D  
Acq: 28 Sep 2023 17:13

Instrument :  
MSVOA\_U  
ClientSampleId :

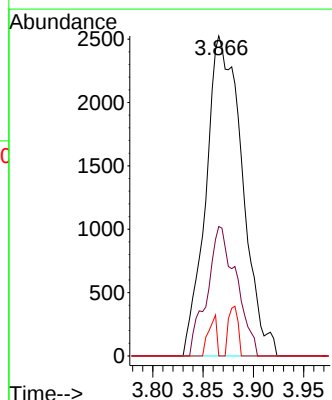
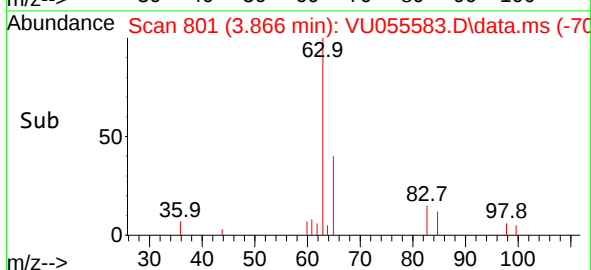
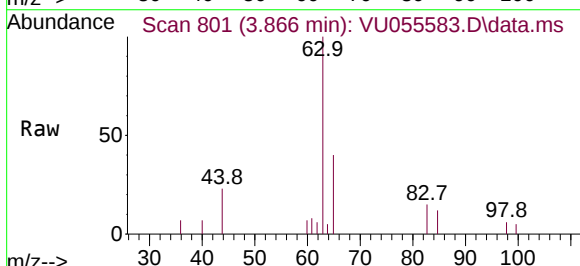


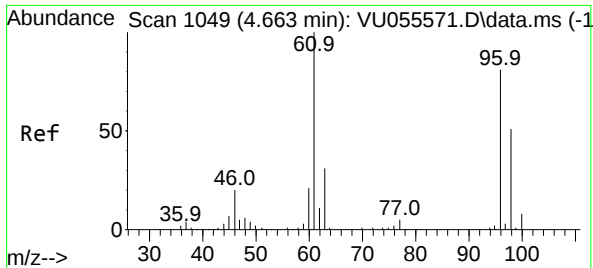
Tgt Ion: 96 Resp: 65665  
Ion Ratio Lower Upper  
96 100  
61 130.0 94.6 175.6  
98 68.4 45.7 84.9



#19  
1,1-Dichloroethane  
Concen: 0.240 ug/L  
RT: 3.866 min Scan# 801  
Delta R.T. -0.000 min  
Lab File: VU055583.D  
Acq: 28 Sep 2023 17:13

Tgt Ion: 63 Resp: 6323  
Ion Ratio Lower Upper  
63 100  
65 38.6 22.0 41.0  
83 0.0 10.1 18.9#



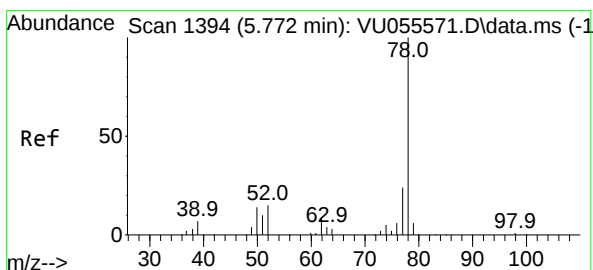
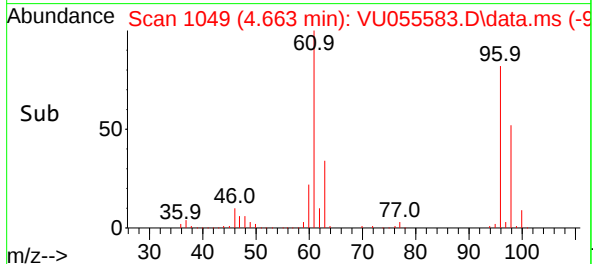
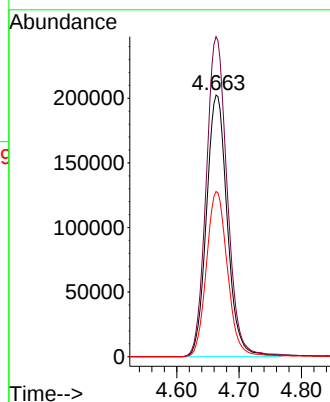
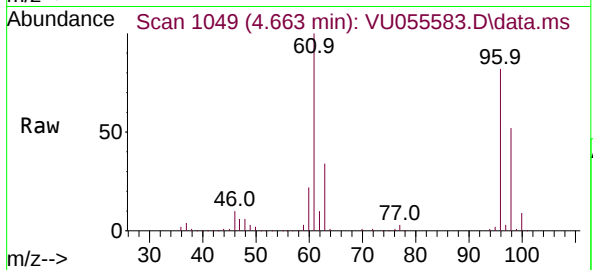


#22  
 cis-1,2-Dichloroethene  
 Concen: 28.394 ug/L  
 RT: 4.663 min Scan# 1049  
 Delta R.T. -0.000 min  
 Lab File: VU055583.D  
 Acq: 28 Sep 2023 17:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :

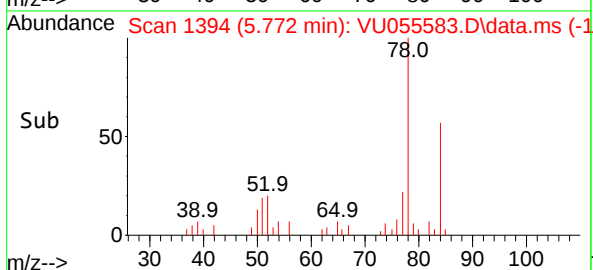
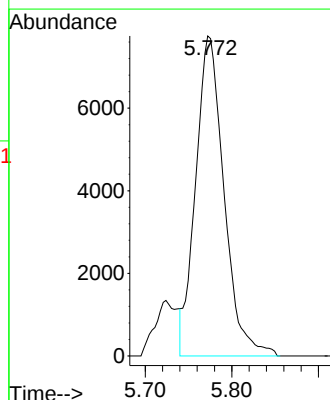
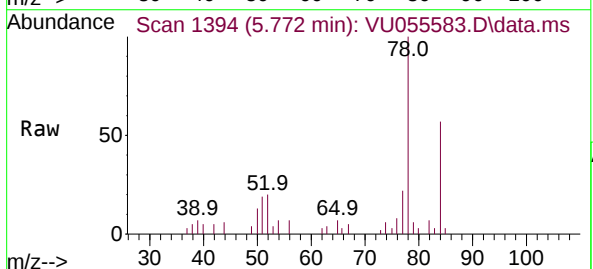
Tgt Ion: 96 Resp: 469674  

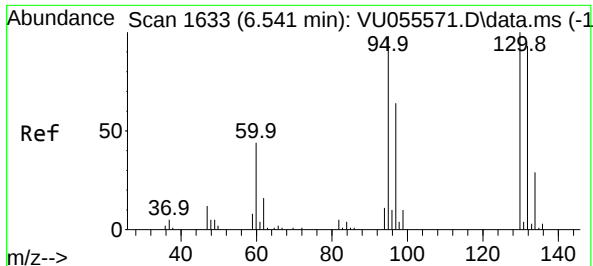
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 122.4 | 87.8  | 163.2 |
| 98  | 63.2  | 44.4  | 82.4  |



#33  
 Benzene  
 Concen: 0.293 ug/L  
 RT: 5.772 min Scan# 1394  
 Delta R.T. -0.000 min  
 Lab File: VU055583.D  
 Acq: 28 Sep 2023 17:13

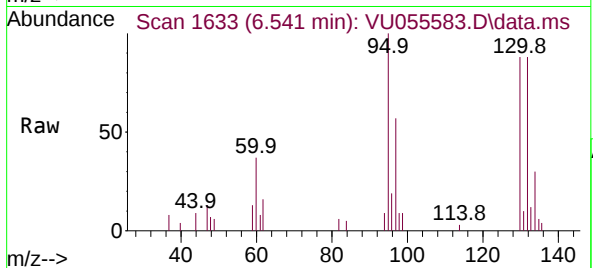
Tgt Ion: 78 Resp: 17609



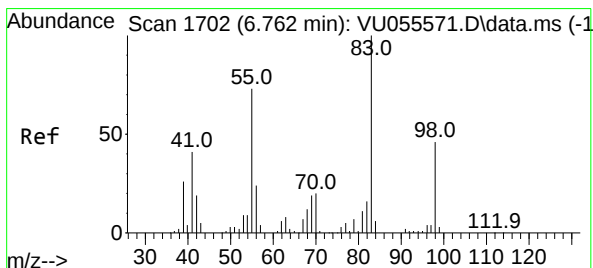
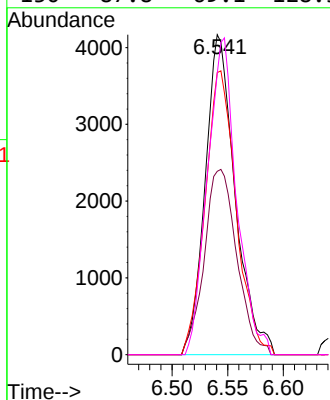
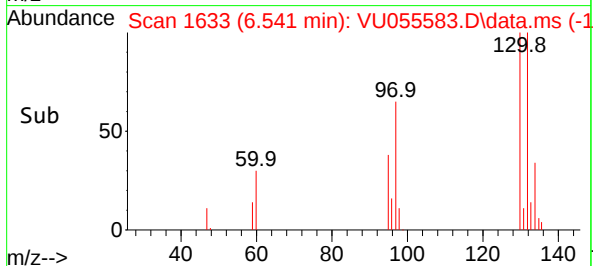


#34  
Trichloroethene  
Concen: 0.460 ug/L  
RT: 6.541 min Scan# 1679  
Delta R.T. -0.000 min  
Lab File: VU055583.D  
Acq: 28 Sep 2023 17:13

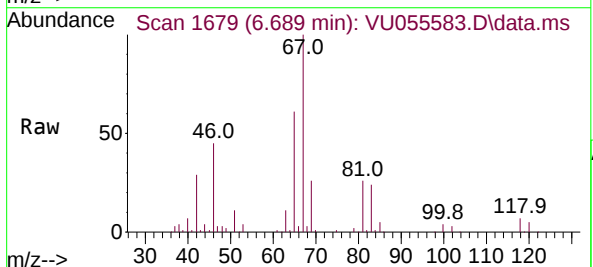
Instrument :  
MSVOA\_U  
ClientSampleId :



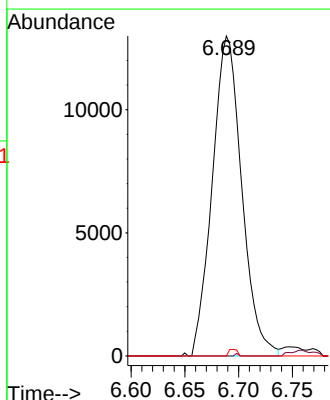
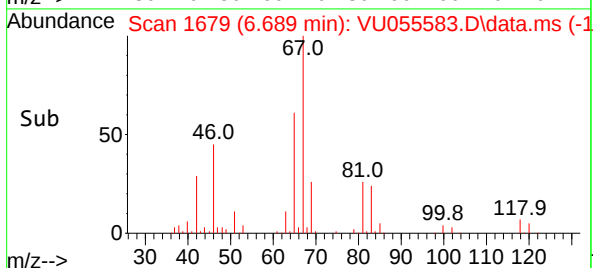
| Tgt Ion: | 95    | Resp: | 7808  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 57.3  | 45.4  | 84.2  |
| 132      | 88.1  | 65.2  | 121.2 |
| 130      | 87.8  | 69.1  | 128.3 |

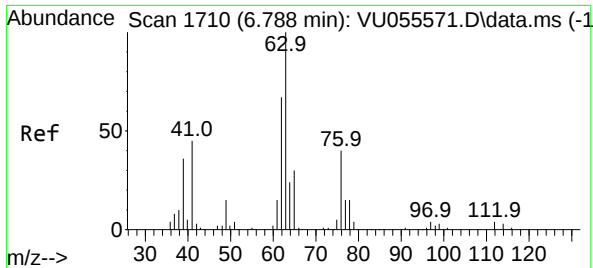


#35  
Methylcyclohexane  
Concen: 1.011 ug/L  
RT: 6.689 min Scan# 1679  
Delta R.T. -0.071 min  
Lab File: VU055583.D  
Acq: 28 Sep 2023 17:13



| Tgt Ion: | 83    | Resp: | 24751 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.1   | 59.1  | 88.7# |
| 98       | 0.6   | 36.3  | 54.5# |

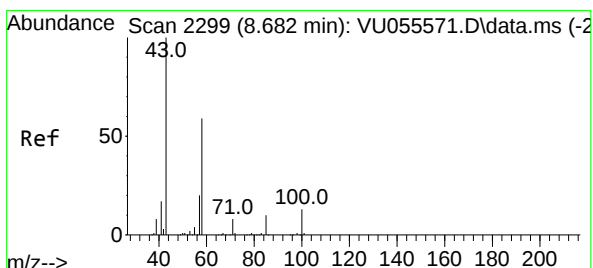
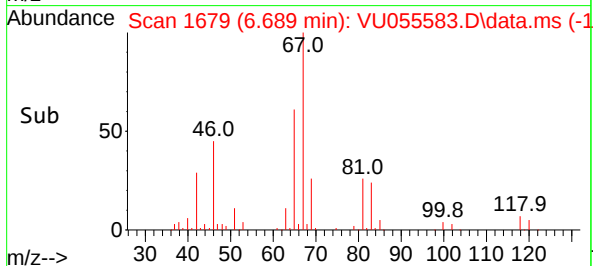
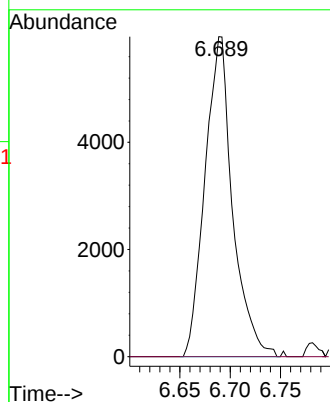
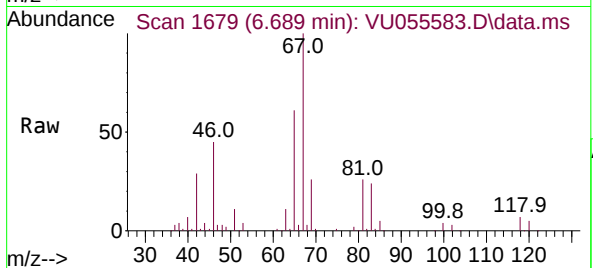




#37  
1,2-Dichloropropane  
Concen: 0.726 ug/L  
RT: 6.689 min Scan# 11  
Delta R.T. -0.100 min  
Lab File: VU055583.D  
Acq: 28 Sep 2023 17:13

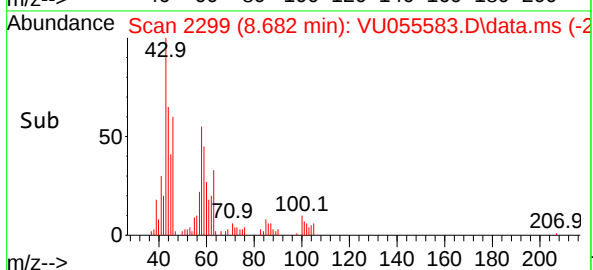
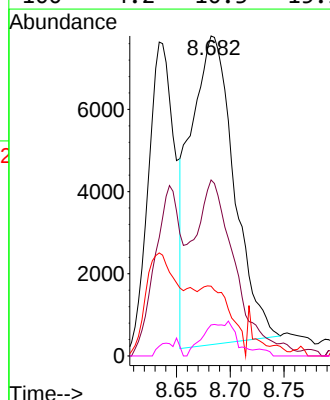
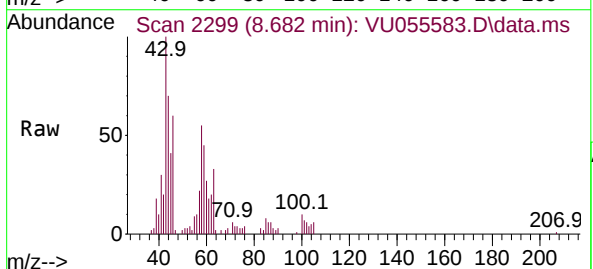
Instrument :  
MSVOA\_U  
ClientSampleId :

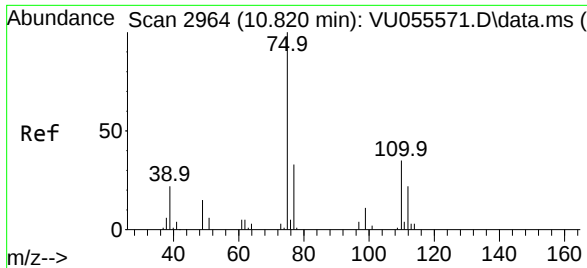
Tgt Ion: 63 Resp: 11399  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.0 4.6#



#48  
2-Hexanone  
Concen: 3.817 ug/L  
RT: 8.682 min Scan# 2299  
Delta R.T. -0.000 min  
Lab File: VU055583.D  
Acq: 28 Sep 2023 17:13

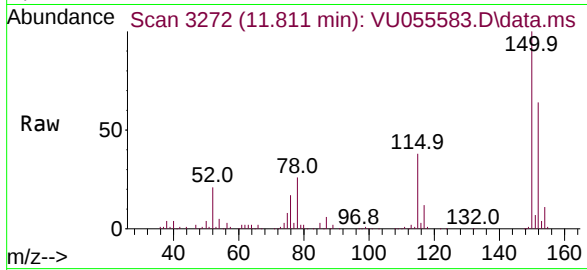
Tgt Ion: 43 Resp: 21078  
Ion Ratio Lower Upper  
43 100  
58 47.0 48.5 72.7#  
57 2.9 17.0 25.4#  
100 4.2 10.3 15.5#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.690 ug/L  
 RT: 11.811 min Scan# 31  
 Delta R.T. 0.990 min  
 Lab File: VU055583.D  
 Acq: 28 Sep 2023 17:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 3.2   | 30.6  | 45.8# |
| 77      | 33.2  | 26.7  | 40.1  |

