

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU060925\  
 Data File : VU063370.D  
 Acq On : 09 Jun 2025 16:47  
 Operator : MD/SY  
 Sample : Q2117-01  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL-WATER-QT2-2025-03

Quant Time: Jun 10 12:16:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR060625WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Jun 10 12:13:21 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 97857    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117   | 98371    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 44363    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 43676    | 4.549    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 91.000%  |
| 7) Chloroethane-d5            | 1.904  | 69    | 36588    | 4.869    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 97.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.554  | 65    | 16163    | 4.832    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 96.600%  |
| 20) 2-Butanone-d5             | 4.612  | 46    | 92225    | 45.109   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 90.220%  |
| 24) Chloroform-d              | 5.052  | 84    | 75097    | 4.993    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 38872    | 5.084    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.600% |
| 32) Benzene-d6                | 5.714  | 84    | 146633   | 4.946    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67    | 50172    | 5.083    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 101.600% |
| 41) Toluene-d8                | 7.891  | 98    | 116063   | 4.608    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.200%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 15984    | 4.648    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 93.000%  |
| 46) 2-Hexanone-d5             | 8.624  | 63    | 58535    | 38.753   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 77.500%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 39394    | 4.598    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 92.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 39584    | 5.328    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 106.600% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380  | 85    | 2550     | 0.279    | ug/L   | 96       |
| 3) Chloromethane              | 1.518  | 50    | 3551     | 0.309    | ug/L   | 95       |
| 5) Vinyl chloride             | 1.599  | 62    | 3738     | 0.300    | ug/L   | 92       |
| 6) Bromomethane               | 1.846  | 94    | 2114     | 0.312    | ug/L   | 97       |
| 8) Chloroethane               | 1.924  | 64    | 2223     | 0.292    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 2.129  | 101   | 4207     | 0.298    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.563  | 101   | 2772     | 0.343    | ug/L   | 89       |
| 12) 1,1-Dichloroethene        | 2.567  | 96    | 2750     | 0.364    | ug/L # | 1        |
| 14) Carbon disulfide          | 2.782  | 76    | 8179     | 0.310    | ug/L   | 96       |
| 15) Methyl Acetate            | 2.956  | 43    | 864      | 0.224    | ug/L # | 70       |
| 16) Methylene chloride        | 3.033  | 84    | 5241     | 0.542    | ug/L   | 94       |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 4609     | 0.240    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96    | 2320     | 0.274    | ug/L   | 91       |
| 19) 1,1-Dichloroethane        | 3.862  | 63    | 4789     | 0.283    | ug/L # | 92       |
| 22) cis-1,2-Dichloroethene    | 4.657  | 96    | 2835     | 0.300    | ug/L   | 94       |
| 23) Bromochloromethane        | 4.968  | 128   | 1063     | 0.243    | ug/L   | 87       |
| 25) Chloroform                | 5.075  | 83    | 5104     | 0.301    | ug/L   | 95       |
| 27) 1,2-Dichloroethane        | 5.795  | 62    | 2844     | 0.261    | ug/L # | 93       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97    | 3882     | 0.288    | ug/L   | 93       |

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 Sample : Q2117-01  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL-WATER-QT2-2025-03

Quant Time: Jun 10 12:16:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR060625WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Jun 10 12:13:21 2025  
 Response via : Initial Calibration

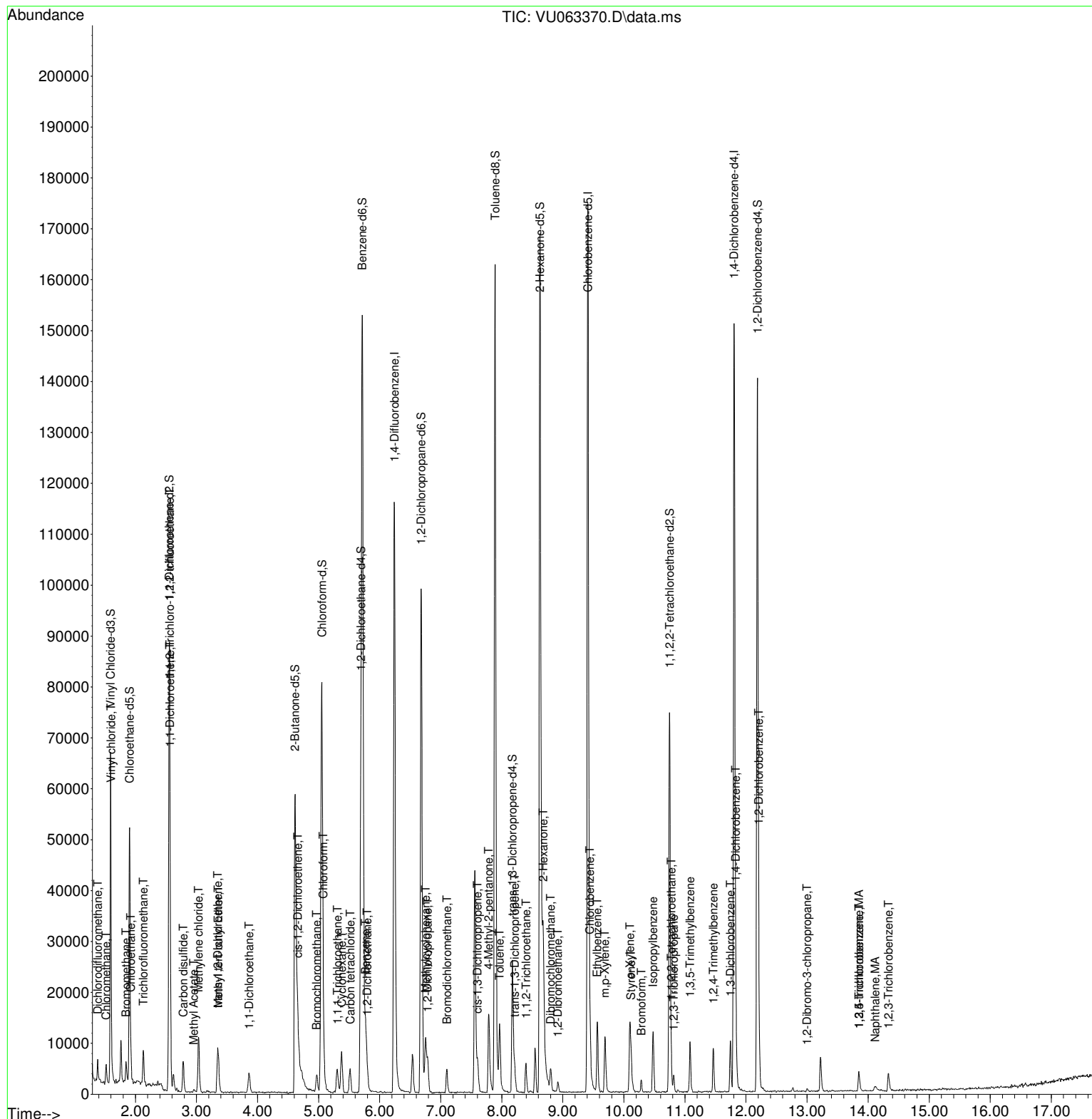
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 30) Cyclohexane               | 5.377  | 56   | 3469     | 0.248 | ug/L   | 89       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 3110     | 0.277 | ug/L   | 97       |
| 33) Benzene                   | 5.769  | 78   | 12108    | 0.324 | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.753  | 83   | 3564     | 0.258 | ug/L   | 100      |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 2809     | 0.271 | ug/L # | 95       |
| 38) Bromodichloromethane      | 7.100  | 83   | 3480     | 0.284 | ug/L   | 94       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 3668     | 0.261 | ug/L   | 88       |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 11828    | 2.119 | ug/L # | 90       |
| 42) Toluene                   | 7.965  | 91   | 10239    | 0.265 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 8.209  | 75   | 3551     | 0.309 | ug/L   | 94       |
| 45) 1,1,2-Trichloroethane     | 8.396  | 97   | 2022     | 0.273 | ug/L   | 92       |
| 48) 2-Hexanone                | 8.679  | 43   | 17180    | 4.295 | ug/L # | 98       |
| 49) Dibromochloromethane      | 8.801  | 129  | 2134     | 0.269 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 1726     | 0.253 | ug/L # | 91       |
| 51) Chlorobenzene             | 9.441  | 112  | 7059     | 0.286 | ug/L   | 95       |
| 52) Ethylbenzene              | 9.563  | 91   | 10671    | 0.269 | ug/L   | 96       |
| 53) m,p-Xylene                | 9.685  | 106  | 3645     | 0.246 | ug/L   | 68       |
| 54) o-Xylene                  | 10.097 | 106  | 3263     | 0.231 | ug/L   | 91       |
| 55) Styrene                   | 10.116 | 104  | 4982     | 0.207 | ug/L   | 92       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 2735     | 0.288 | ug/L   | 94       |
| 59) Bromoform                 | 10.283 | 173  | 1195     | 0.302 | ug/L # | 88       |
| 60) Isopropylbenzene          | 10.476 | 105  | 8640     | 0.274 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 1547     | 0.287 | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 5824     | 0.239 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 5394     | 0.231 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146  | 4801     | 0.307 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 4736     | 0.302 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 4534     | 0.309 | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 12.994 | 75   | 342      | 0.333 | ug/L # | 56       |
| 69) 1,3,5-Trichlorobenzene    | 13.849 | 180  | 1860     | 0.179 | ug/L   | 89       |
| 70) 1,2,4-trichlorobenzene    | 13.849 | 180  | 1860     | 0.227 | ug/L   | 87       |
| 71) Naphthalene               | 14.113 | 128  | 2261     | 0.193 | ug/L # | 72       |
| 72) 1,2,3-Trichlorobenzene    | 14.331 | 180  | 1718     | 0.230 | ug/L   | 88       |

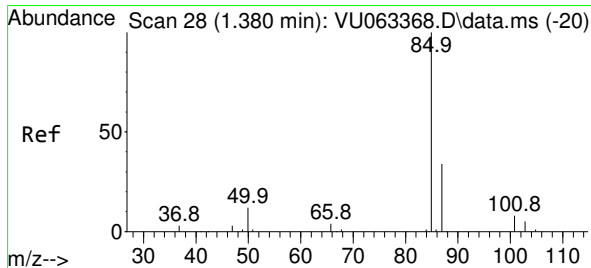
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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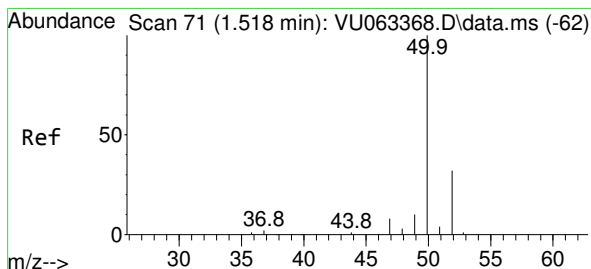
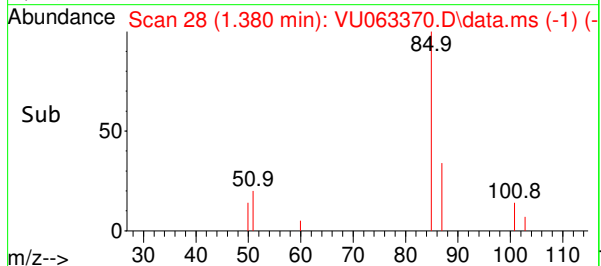
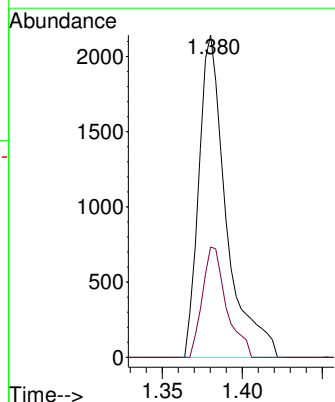
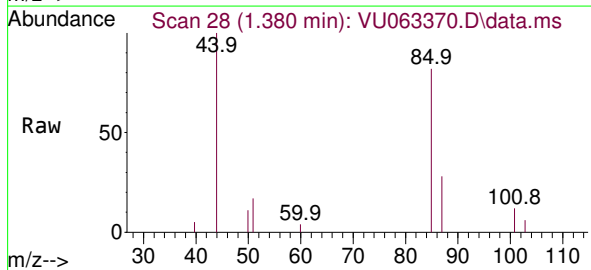




#2  
 Dichlorodifluoromethane  
 Concen: 0.279 ug/L  
 RT: 1.380 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VU063370.D  
 Acq: 09 Jun 2025 16:47

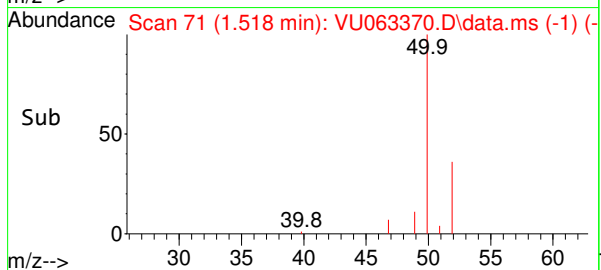
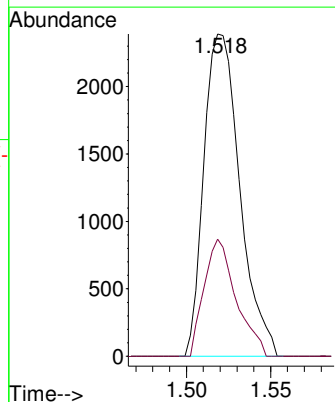
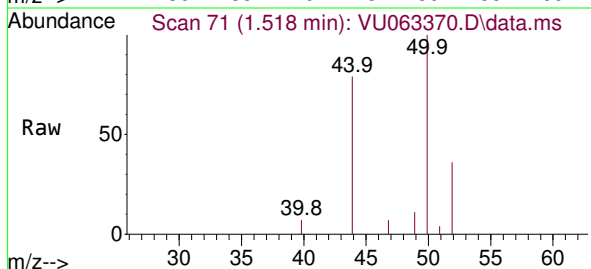
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL-WATER-QT2-2025-03

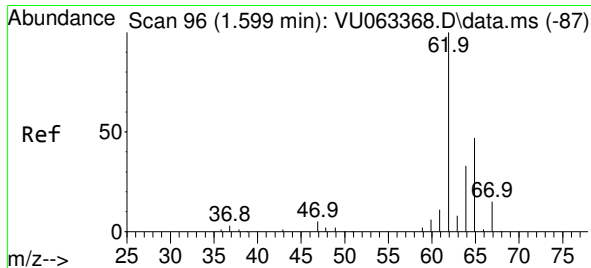
Tgt Ion: 85 Resp: 2550  
 Ion Ratio Lower Upper  
 85 100  
 87 30.3 25.9 38.9



#3  
 Chloromethane  
 Concen: 0.309 ug/L  
 RT: 1.518 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: VU063370.D  
 Acq: 09 Jun 2025 16:47

Tgt Ion: 50 Resp: 3551  
 Ion Ratio Lower Upper  
 50 100  
 52 36.3 23.4 43.6

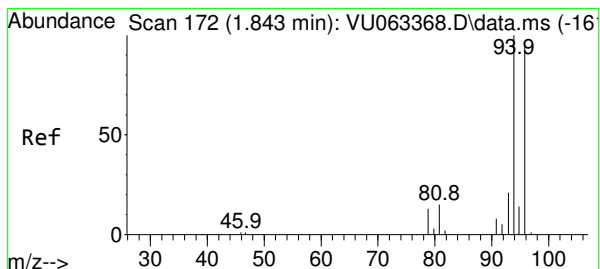
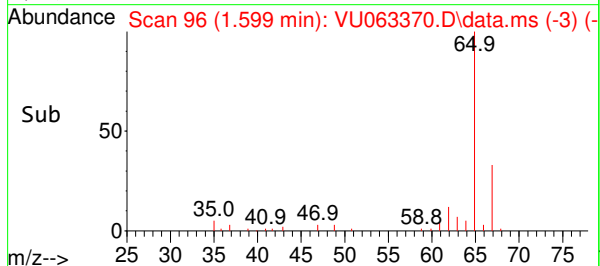
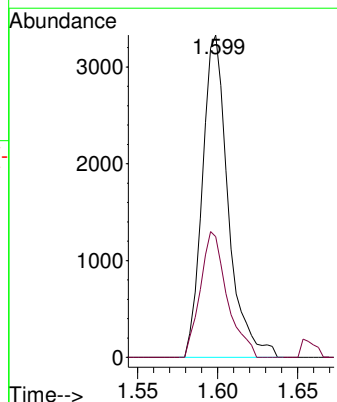
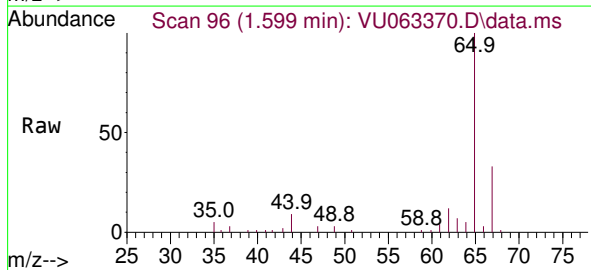




#5  
 Vinyl chloride  
 Concen: 0.300 ug/L  
 RT: 1.599 min Scan# 96  
 Delta R.T. 0.000 min  
 Lab File: VU063370.D  
 Acq: 09 Jun 2025 16:47

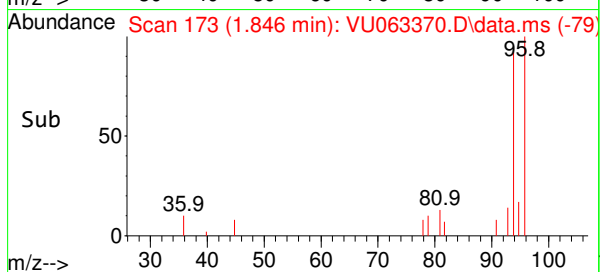
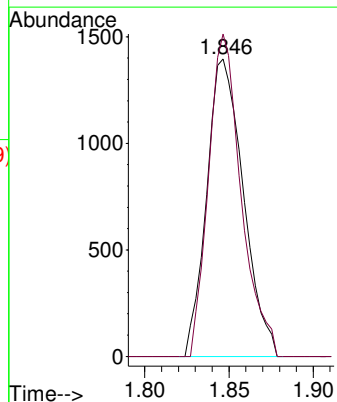
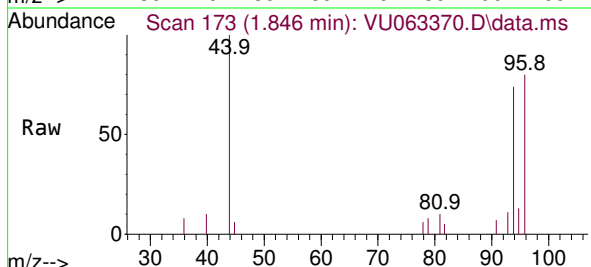
Instrument :  
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 ClientSampleId :  
 MDL-WATER-QT2-2025-03

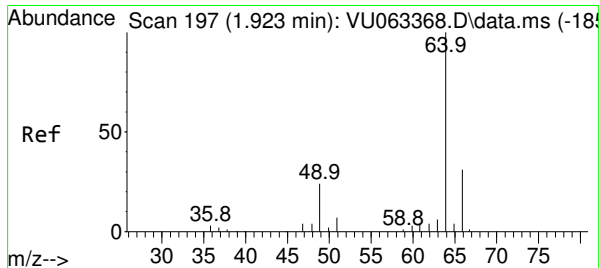
Tgt Ion: 62 Resp: 3738  
 Ion Ratio Lower Upper  
 62 100  
 64 37.4 23.2 43.0



#6  
 Bromomethane  
 Concen: 0.312 ug/L  
 RT: 1.846 min Scan# 173  
 Delta R.T. 0.003 min  
 Lab File: VU063370.D  
 Acq: 09 Jun 2025 16:47

Tgt Ion: 94 Resp: 2114  
 Ion Ratio Lower Upper  
 94 100  
 96 91.8 66.3 123.1

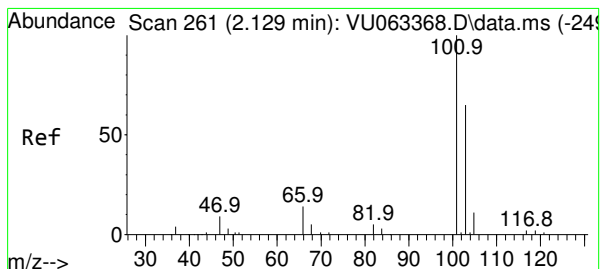
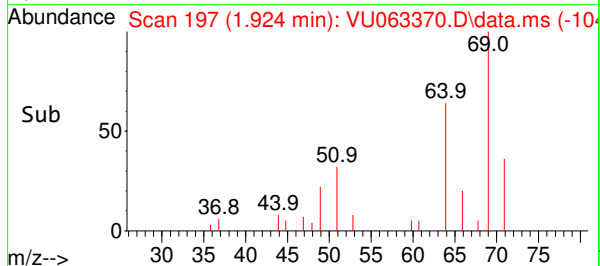
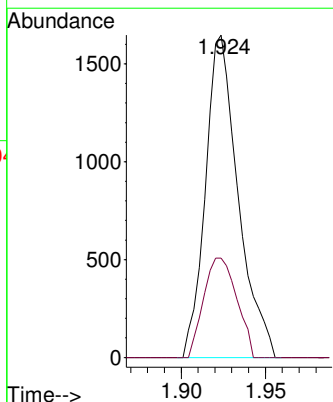
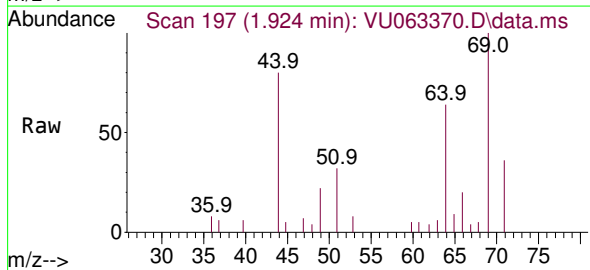




#8  
Chloroethane  
Concen: 0.292 ug/L  
RT: 1.924 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

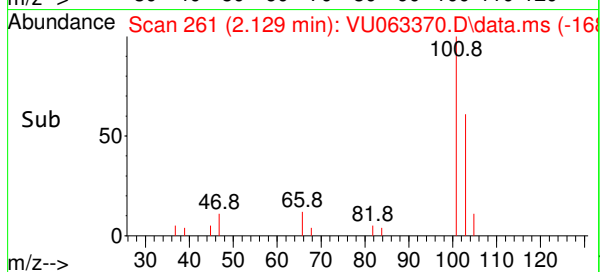
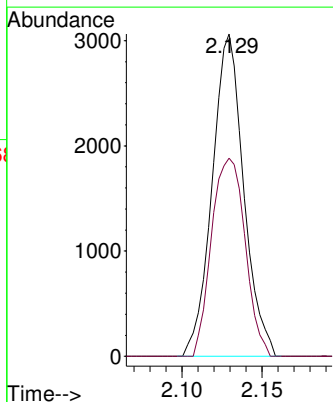
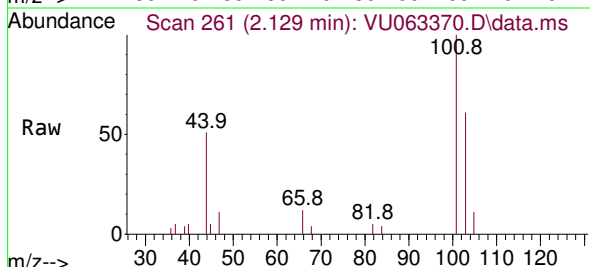
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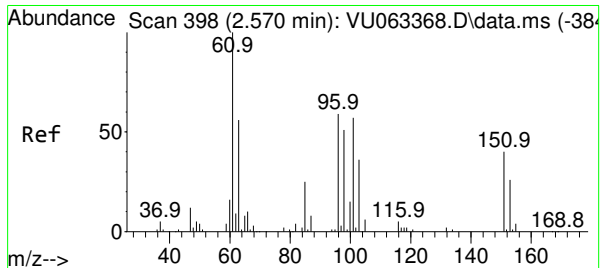
Tgt Ion: 64 Resp: 2223  
Ion Ratio Lower Upper  
64 100  
66 30.8 21.7 40.3



#9  
Trichlorofluoromethane  
Concen: 0.298 ug/L  
RT: 2.129 min Scan# 261  
Delta R.T. 0.000 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

Tgt Ion:101 Resp: 4207  
Ion Ratio Lower Upper  
101 100  
103 65.4 51.8 77.8

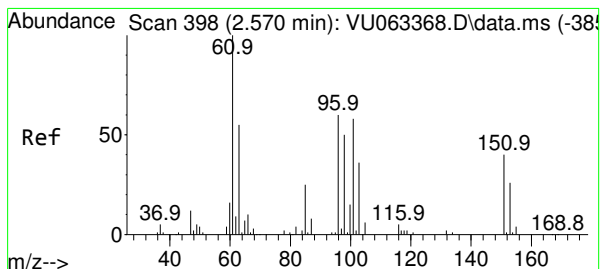
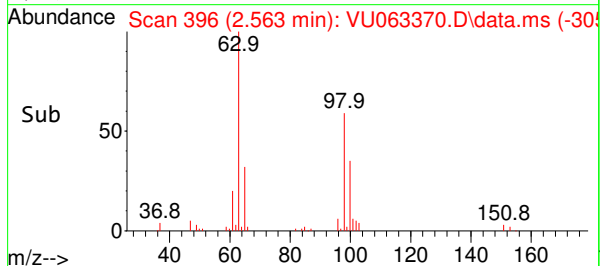
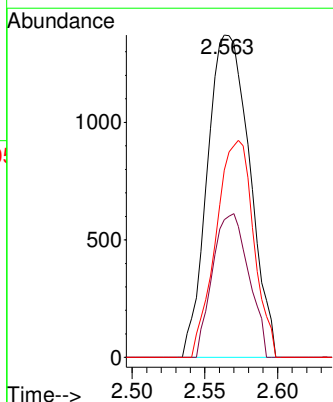
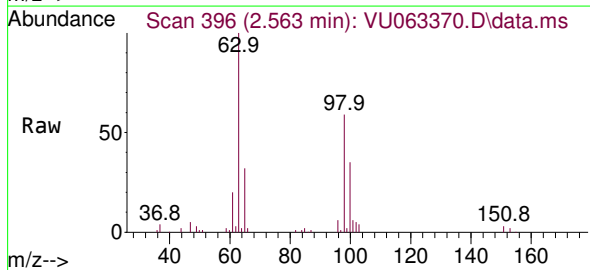




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.343 ug/L  
RT: 2.563 min Scan# 396  
Delta R.T. -0.006 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

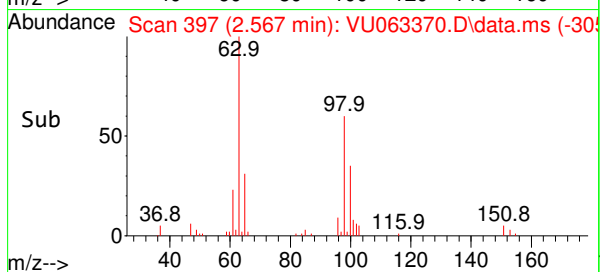
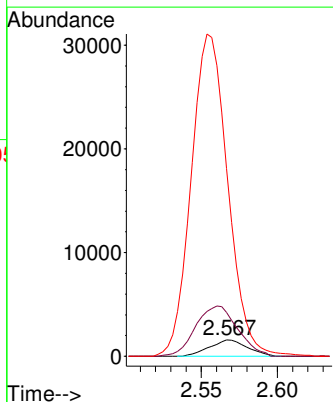
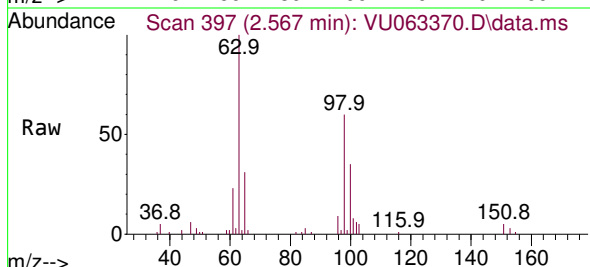
Instrument : MSVOA\_U  
ClientSampleId : MDL-WATER-QT2-2025-03

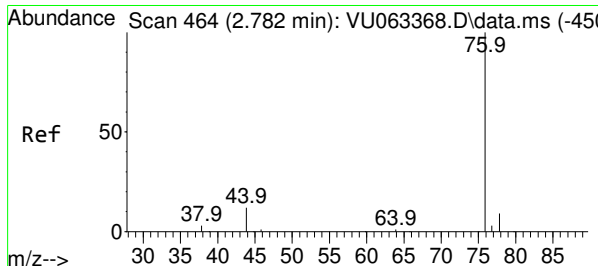
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 2772  |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 38.1  | 35.0  | 52.4  |
| 151      | 60.0  | 56.3  | 84.5  |



#12  
1,1-Dichloroethene  
Concen: 0.364 ug/L  
RT: 2.567 min Scan# 397  
Delta R.T. -0.003 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

|          |        |       |        |
|----------|--------|-------|--------|
| Tgt Ion: | 96     | Resp: | 2750   |
| Ion      | Ratio  | Lower | Upper  |
| 96       | 100    |       |        |
| 61       | 269.7  | 121.9 | 226.3# |
| 63       | 1150.5 | 80.3  | 149.1# |

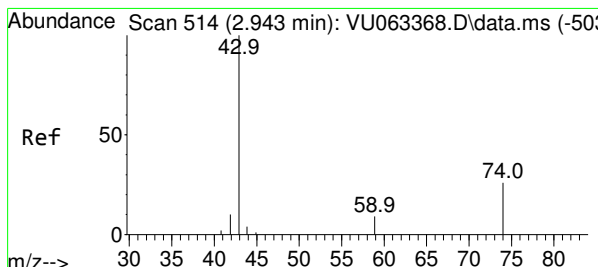
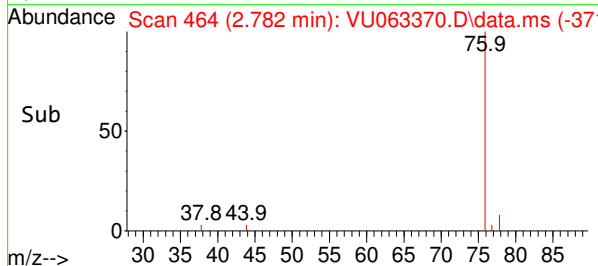
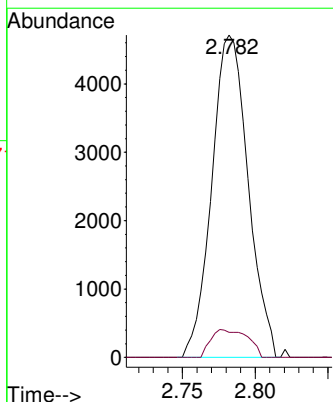
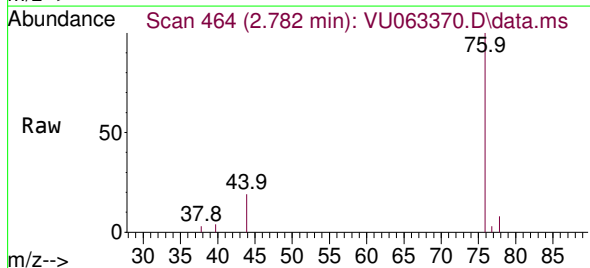




#14  
Carbon disulfide  
Concen: 0.310 ug/L  
RT: 2.782 min Scan# 4  
Delta R.T. 0.000 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

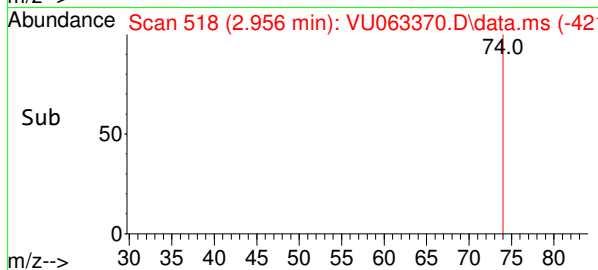
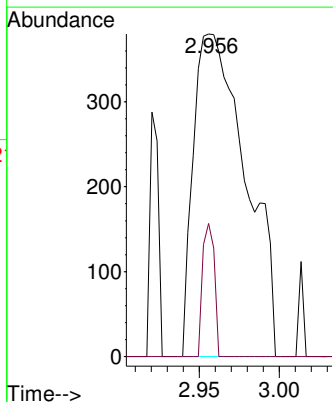
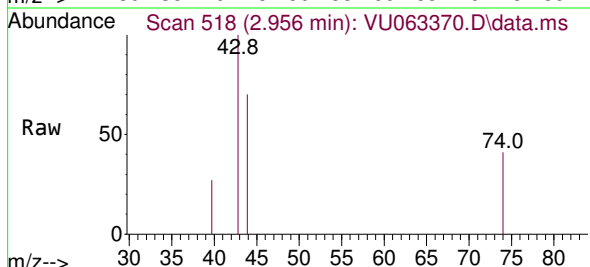
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2025-03

Tgt Ion: 76 Resp: 8179  
Ion Ratio Lower Upper  
76 100  
78 7.8 7.5 11.3

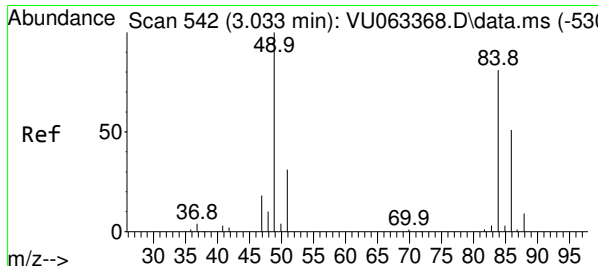


#15  
Methyl Acetate  
Concen: 0.224 ug/L  
RT: 2.956 min Scan# 518  
Delta R.T. 0.013 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

Tgt Ion: 43 Resp: 864  
Ion Ratio Lower Upper  
43 100  
74 9.3 19.5 29.3#



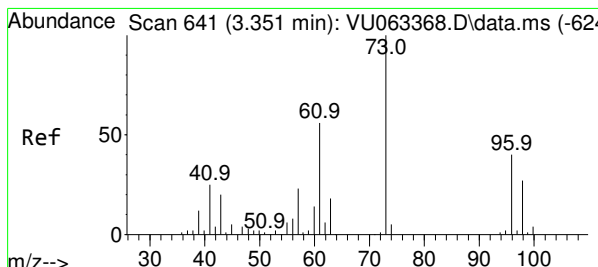
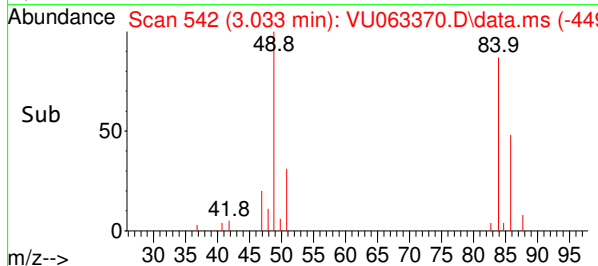
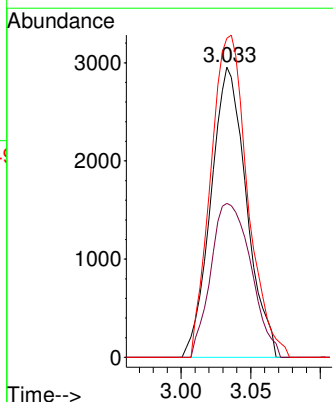
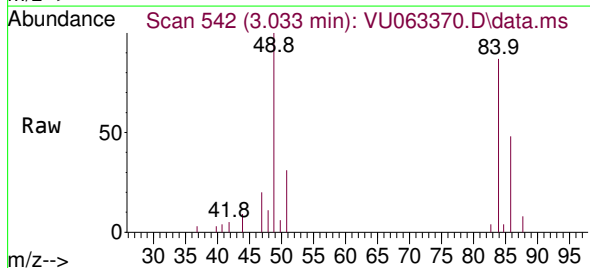




#16  
Methylene chloride  
Concen: 0.542 ug/L  
RT: 3.033 min Scan# 542  
Delta R.T. 0.000 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

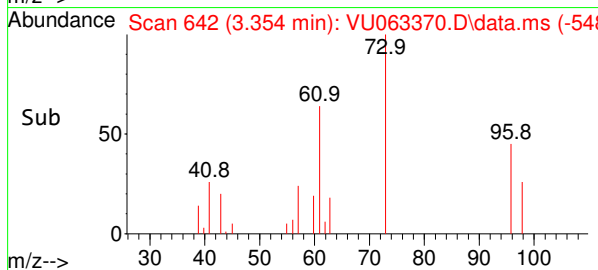
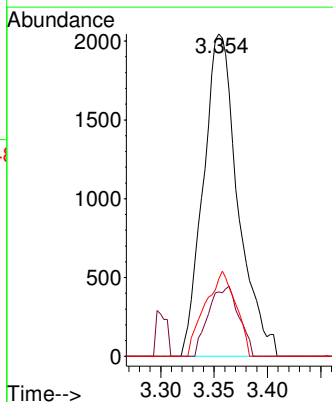
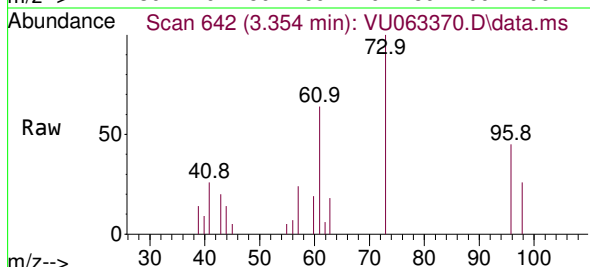
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2025-03

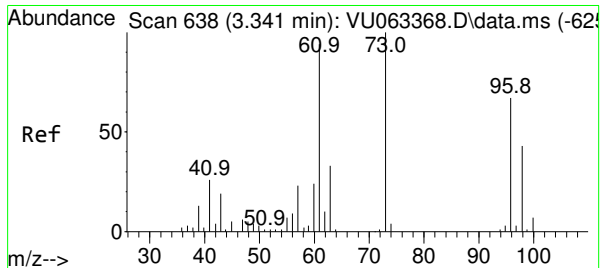
Tgt Ion: 84 Resp: 5241  
Ion Ratio Lower Upper  
84 100  
86 53.1 45.0 83.6  
49 116.8 82.4 153.0



#17  
Methyl tert-butyl Ether  
Concen: 0.240 ug/L  
RT: 3.354 min Scan# 642  
Delta R.T. 0.003 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

Tgt Ion: 73 Resp: 4609  
Ion Ratio Lower Upper  
73 100  
43 19.1 15.1 22.7  
57 23.5 18.7 28.1

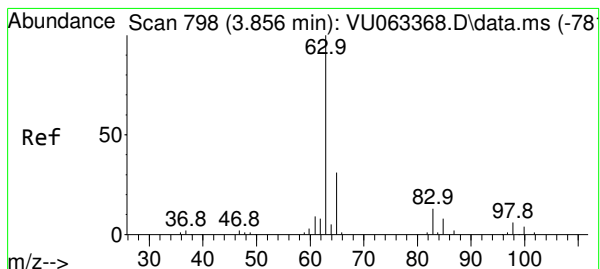
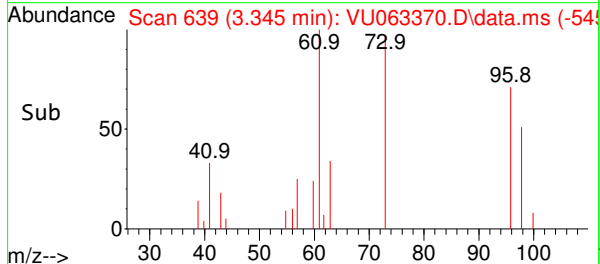
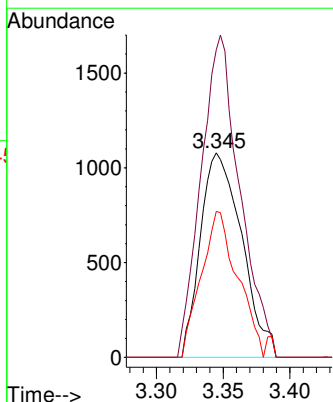
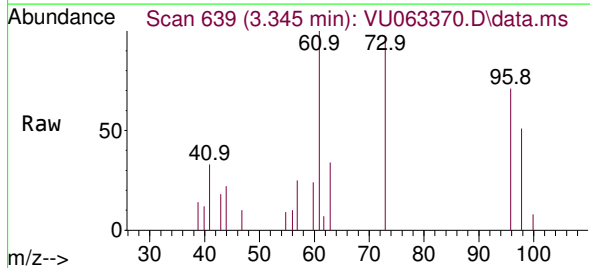




#18  
trans-1,2-Dichloroethene  
Concen: 0.274 ug/L  
RT: 3.345 min Scan# 618  
Delta R.T. 0.003 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

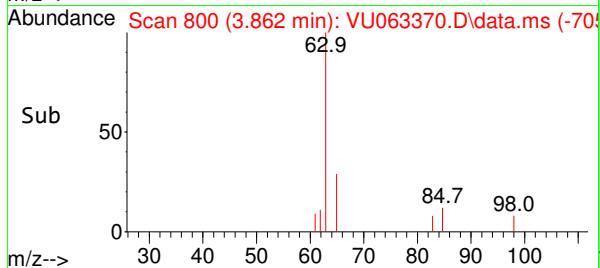
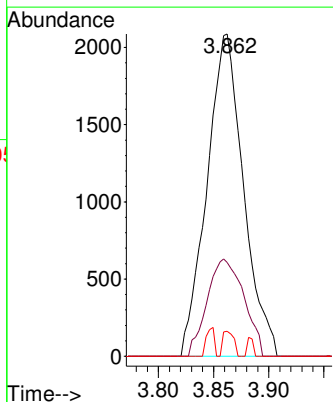
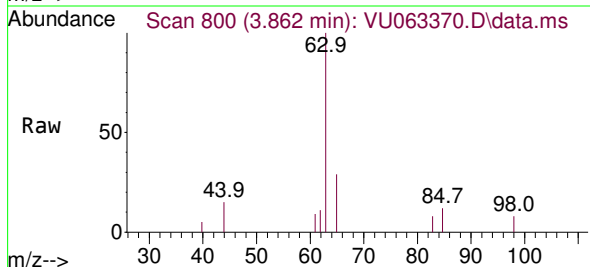
Instrument : MSVOA\_U  
ClientSampleId : MDL-WATER-QT2-2025-03

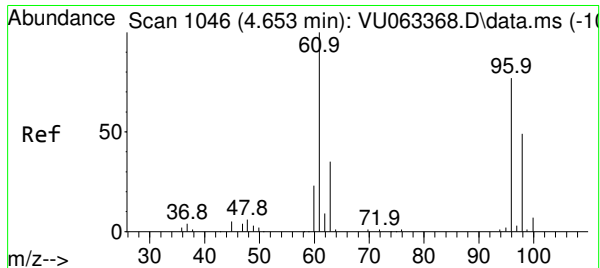
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 2320  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 150.3 | 99.2  | 184.2 |
| 98       | 71.4  | 43.2  | 80.2  |



#19  
1,1-Dichloroethane  
Concen: 0.283 ug/L  
RT: 3.862 min Scan# 800  
Delta R.T. 0.007 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 4789  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 29.1  | 23.2  | 43.0  |
| 83       | 7.7   | 8.7   | 16.1# |

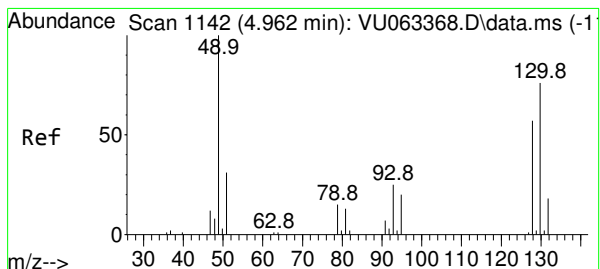
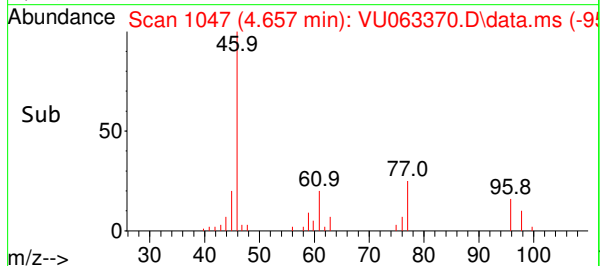
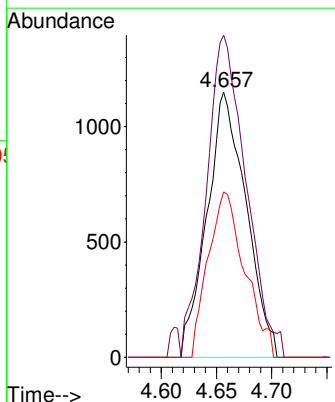
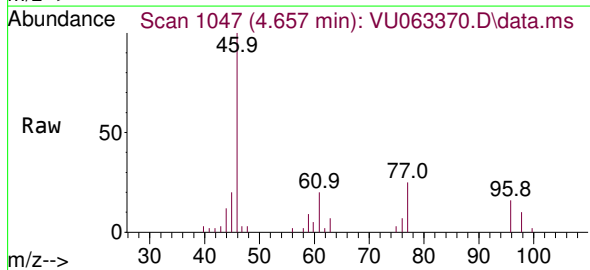




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.300 ug/L  
 RT: 4.657 min Scan# 1  
 Delta R.T. 0.003 min  
 Lab File: VU063370.D  
 Acq: 09 Jun 2025 16:47

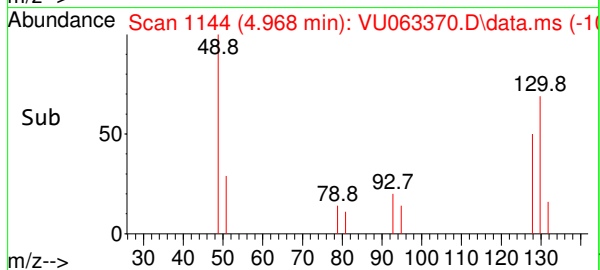
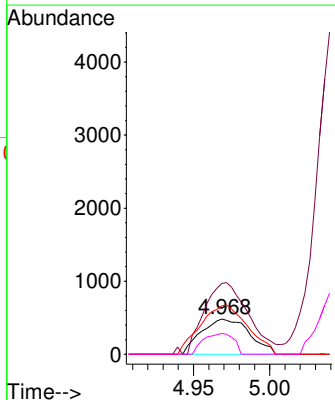
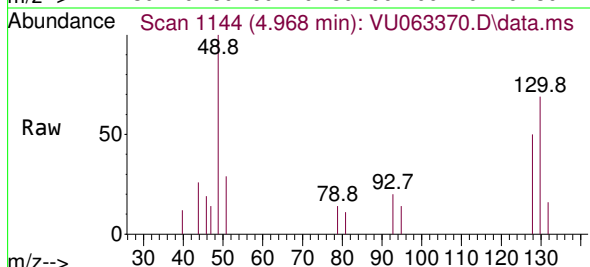
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL-WATER-QT2-2025-03

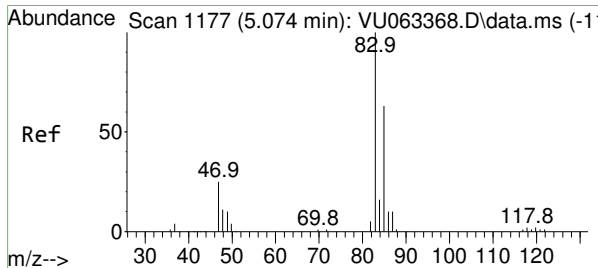
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 2835  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 121.6 | 91.8  | 170.6 |
| 98       | 62.4  | 44.4  | 82.4  |



#23  
 Bromochloromethane  
 Concen: 0.243 ug/L  
 RT: 4.968 min Scan# 1144  
 Delta R.T. 0.007 min  
 Lab File: VU063370.D  
 Acq: 09 Jun 2025 16:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 1063  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 200.4 | 121.2 | 225.2 |
| 130      | 137.5 | 89.2  | 165.6 |
| 51       | 59.0  | 45.0  | 67.4  |

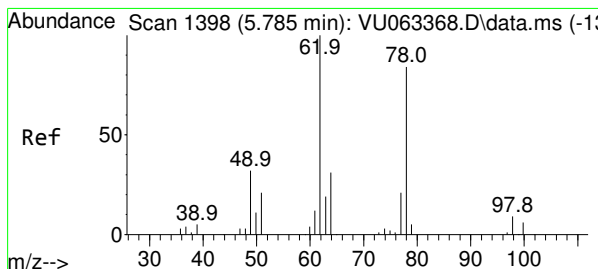
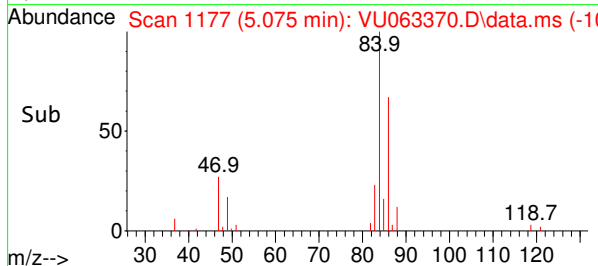
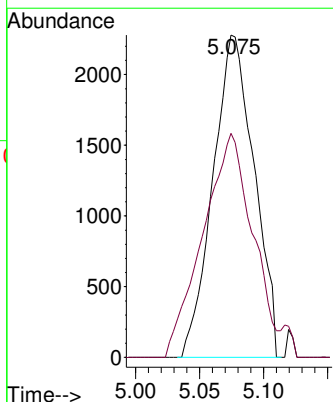
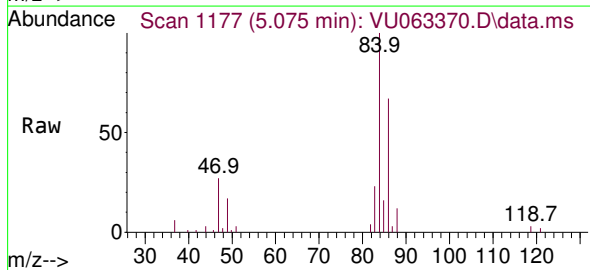




#25  
Chloroform  
Concen: 0.301 ug/L  
RT: 5.075 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

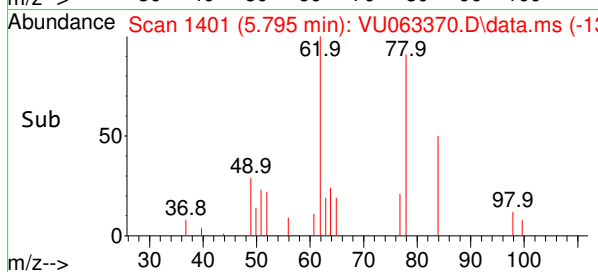
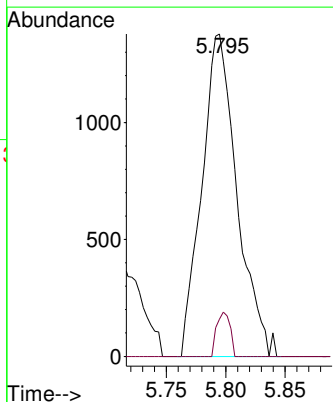
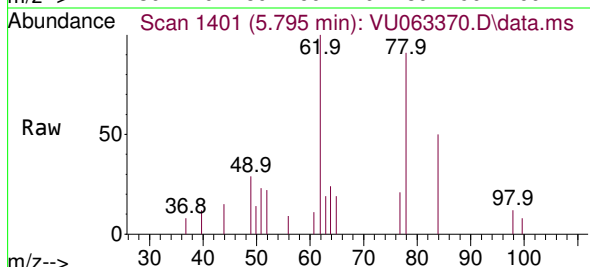
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2025-03

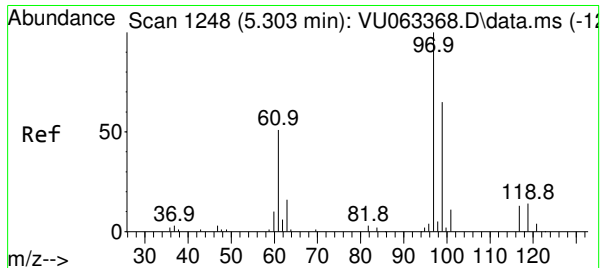
Tgt Ion: 83 Resp: 5104  
Ion Ratio Lower Upper  
83 100  
85 69.5 45.6 84.8



#27  
1,2-Dichloroethane  
Concen: 0.261 ug/L  
RT: 5.795 min Scan# 1401  
Delta R.T. 0.010 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

Tgt Ion: 62 Resp: 2844  
Ion Ratio Lower Upper  
62 100  
98 11.6 7.2 10.8#

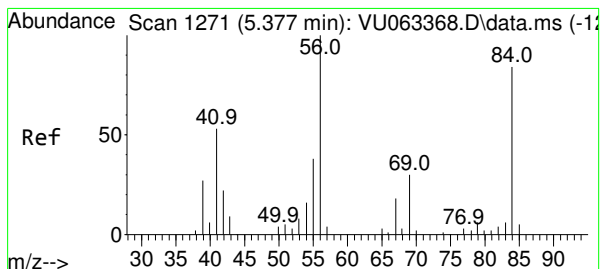
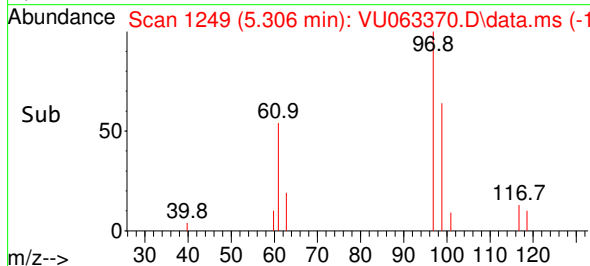
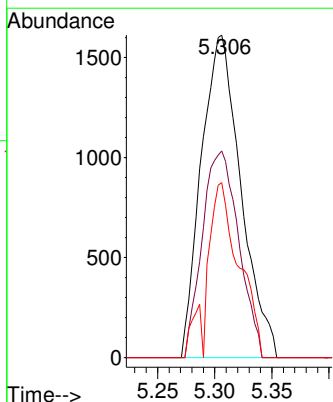
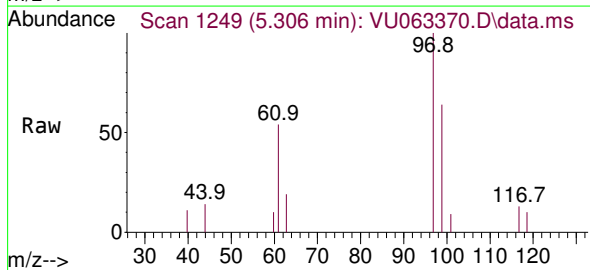




#29  
1,1,1-Trichloroethane  
Concen: 0.288 ug/L  
RT: 5.306 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

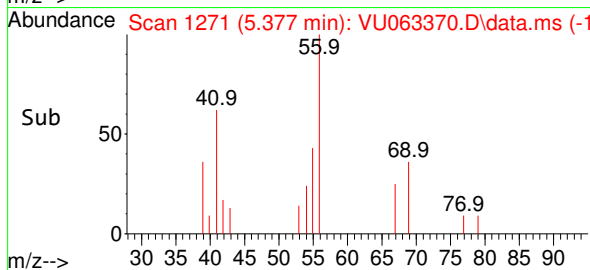
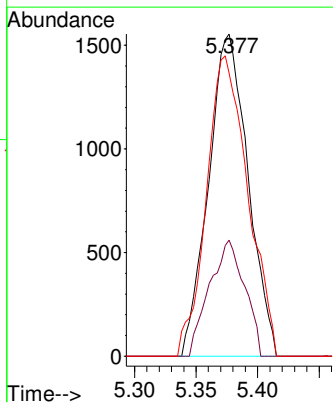
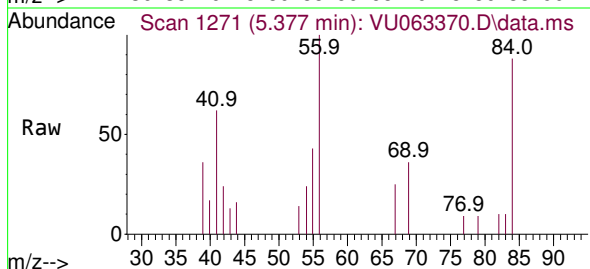
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2025-03

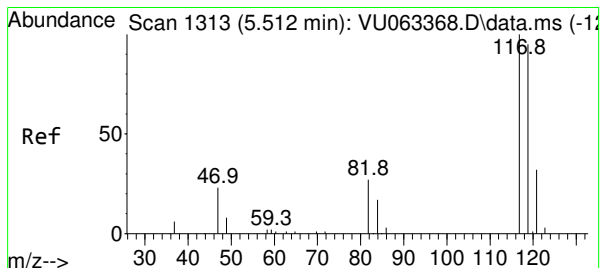
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 3882  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 58.9  | 51.5  | 77.3  |
| 61       | 43.6  | 38.5  | 57.7  |



#30  
Cyclohexane  
Concen: 0.248 ug/L  
RT: 5.377 min Scan# 1271  
Delta R.T. 0.000 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 3469  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 32.0  | 24.6  | 37.0  |
| 84       | 97.3  | 67.9  | 101.9 |





#31

Carbon tetrachloride

Concen: 0.277 ug/L

RT: 5.515 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU063370.D

Acq: 09 Jun 2025 16:47

Instrument :

MSVOA\_U

ClientSampleId :

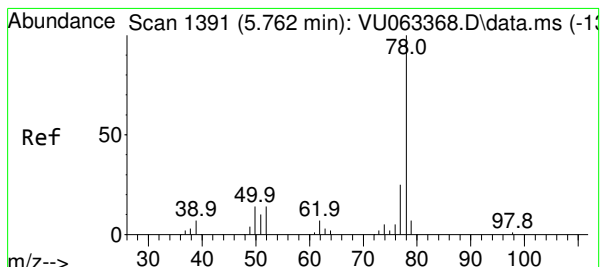
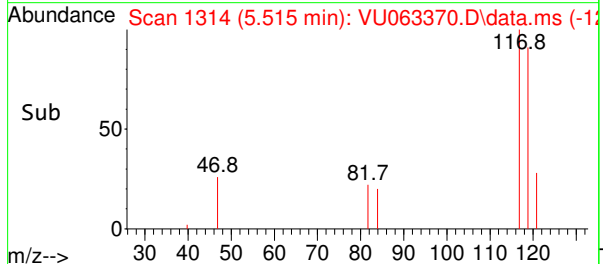
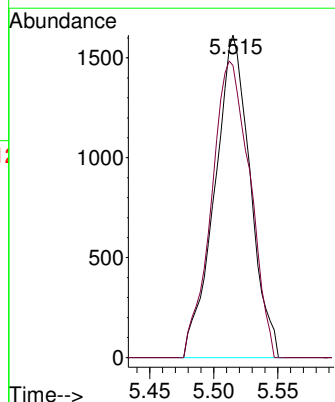
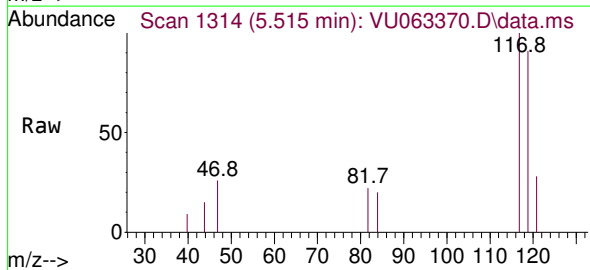
MDL-WATER-QT2-2025-03

Tgt Ion:117 Resp: 3110

Ion Ratio Lower Upper

117 100

119 99.6 77.0 115.4



#33

Benzene

Concen: 0.324 ug/L

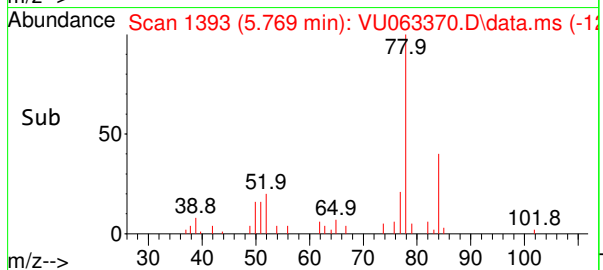
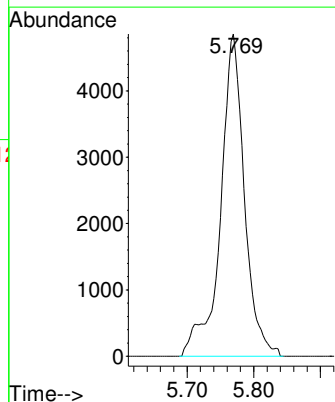
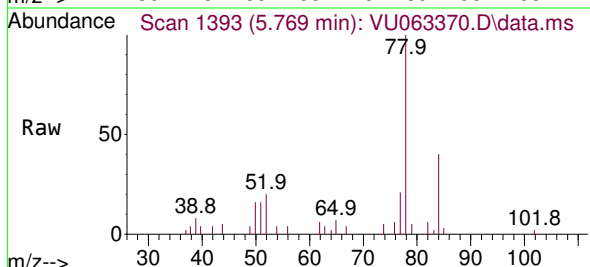
RT: 5.769 min Scan# 1393

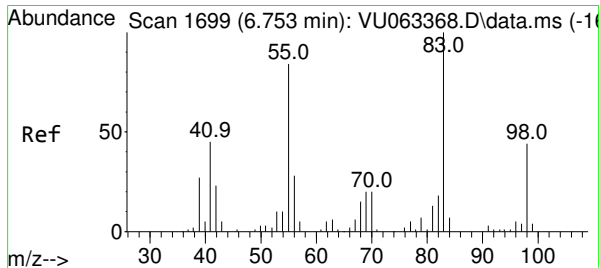
Delta R.T. 0.007 min

Lab File: VU063370.D

Acq: 09 Jun 2025 16:47

Tgt Ion: 78 Resp: 12108

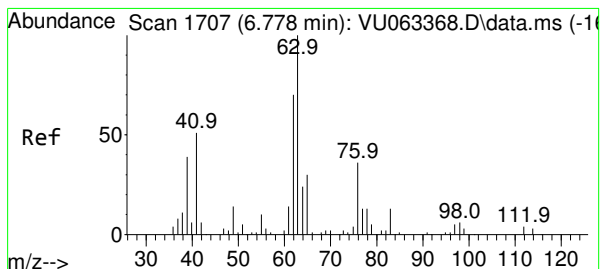
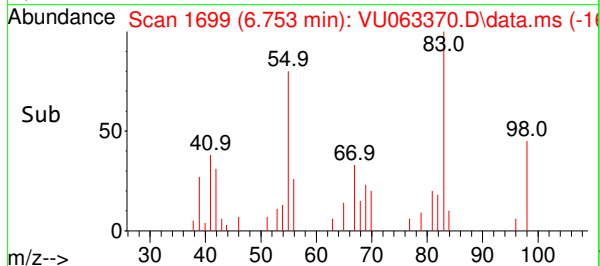
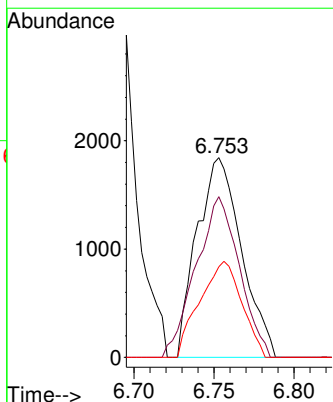
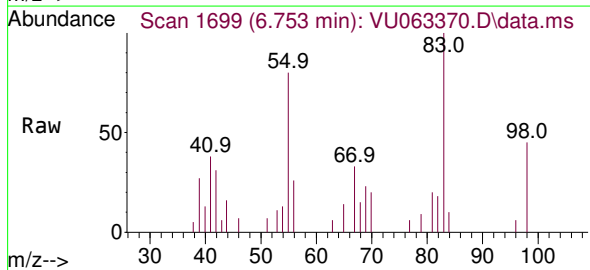




#35  
Methylcyclohexane  
Concen: 0.258 ug/L  
RT: 6.753 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

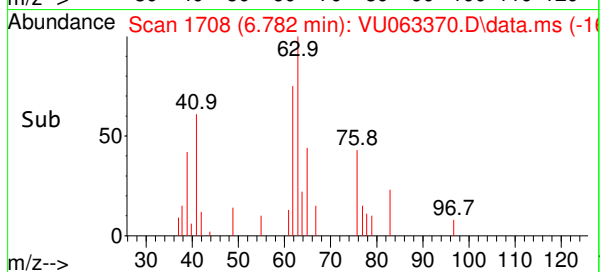
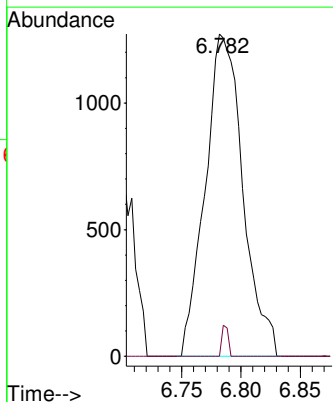
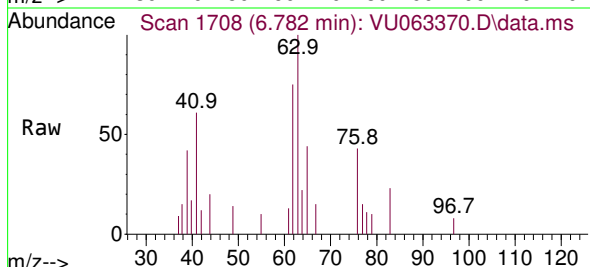
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2025-03

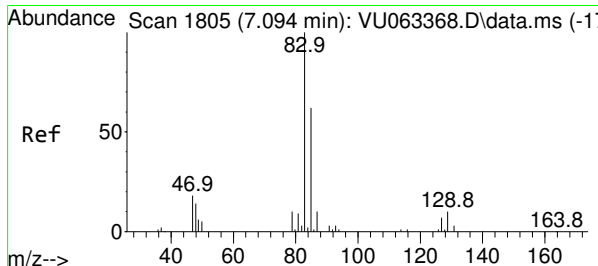
Tgt Ion: 83 Resp: 3564  
Ion Ratio Lower Upper  
83 100  
55 78.4 62.8 94.2  
98 45.5 36.0 54.0



#37  
1,2-Dichloropropane  
Concen: 0.271 ug/L  
RT: 6.782 min Scan# 1708  
Delta R.T. 0.003 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

Tgt Ion: 63 Resp: 2809  
Ion Ratio Lower Upper  
63 100  
112 1.6 2.6 4.0#

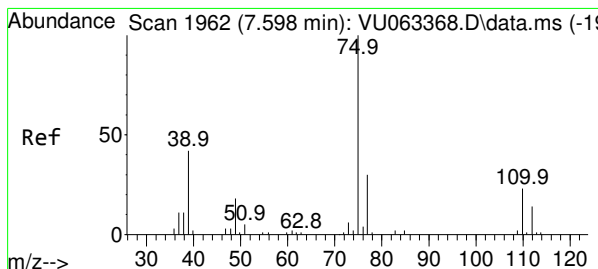
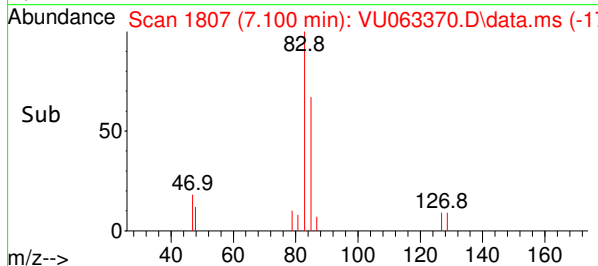
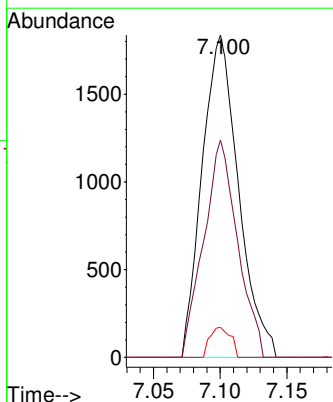
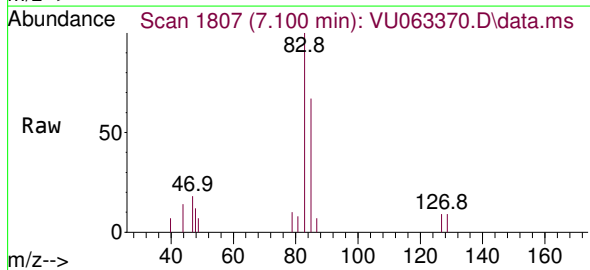




#38  
Bromodichloromethane  
Concen: 0.284 ug/L  
RT: 7.100 min Scan# 1  
Delta R.T. 0.007 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

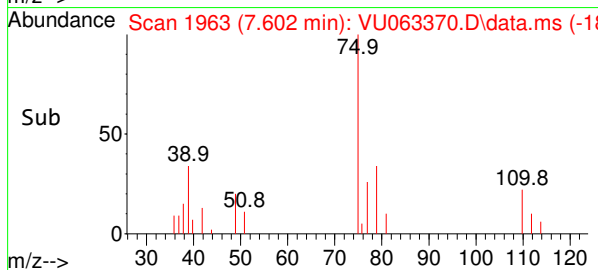
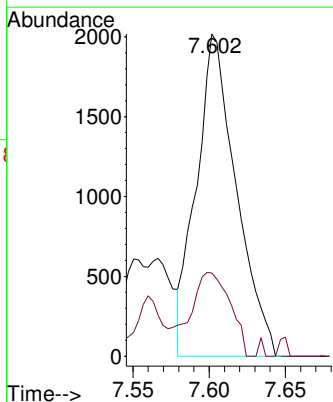
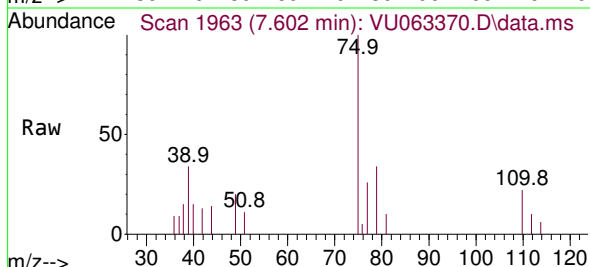
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2025-03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 3480  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 67.4  | 44.0  | 81.8  |
| 127      | 9.4   | 6.3   | 9.5   |

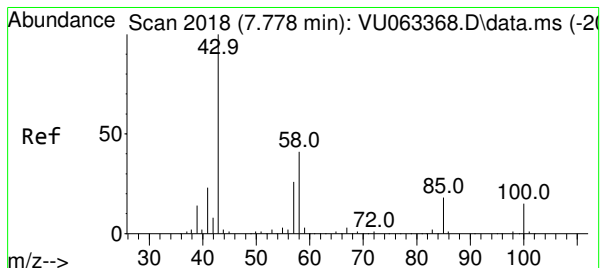


#39  
cis-1,3-Dichloropropene  
Concen: 0.261 ug/L  
RT: 7.602 min Scan# 1963  
Delta R.T. 0.003 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 3668  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 25.8  | 22.6  | 42.0  |







#40

4-Methyl-2-pentanone

Concen: 2.119 ug/L

RT: 7.785 min Scan# 2

Delta R.T. 0.007 min

Lab File: VU063370.D

Acq: 09 Jun 2025 16:47

Instrument :

MSVOA\_U

ClientSampleId :

MDL-WATER-QT2-2025-03

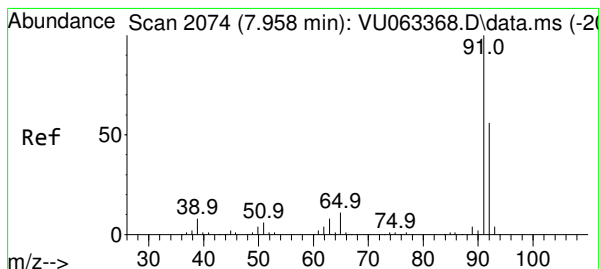
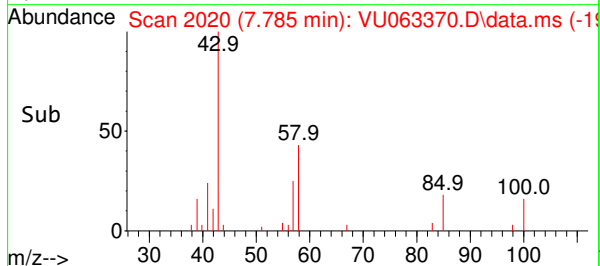
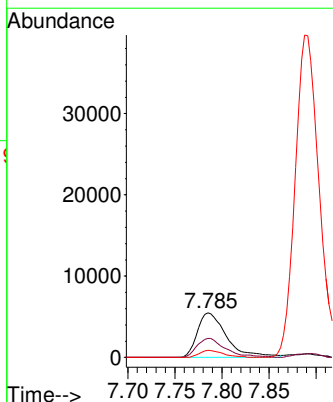
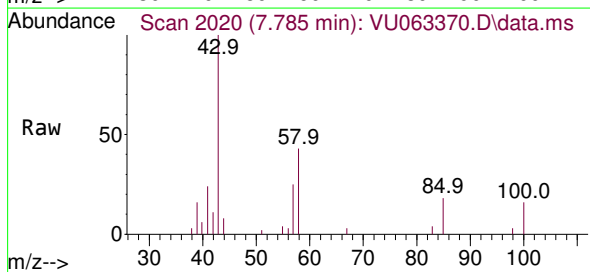
Tgt Ion: 43 Resp: 11828

Ion Ratio Lower Upper

43 100

58 41.7 33.7 50.5

100 0.0 12.1 18.1#



#42

Toluene

Concen: 0.265 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.007 min

Lab File: VU063370.D

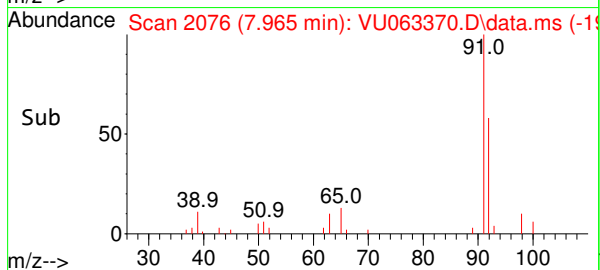
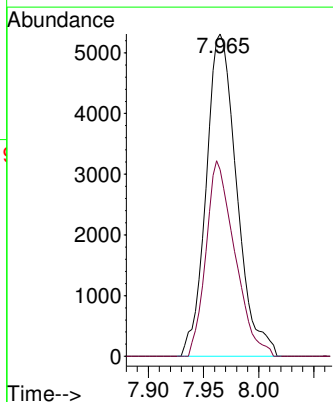
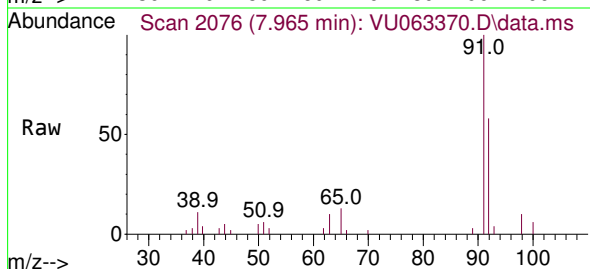
Acq: 09 Jun 2025 16:47

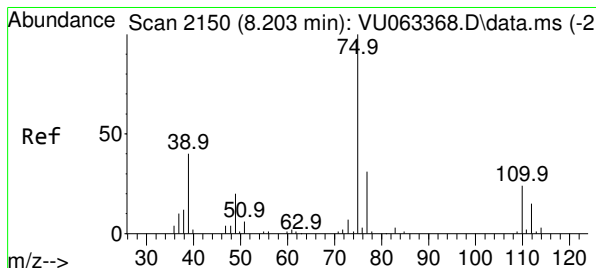
Tgt Ion: 91 Resp: 10239

Ion Ratio Lower Upper

91 100

92 57.9 39.5 73.4





#44

trans-1,3-Dichloropropene

Concen: 0.309 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.007 min

Lab File: VU063370.D

Acq: 09 Jun 2025 16:47

Instrument :

MSVOA\_U

ClientSampleId :

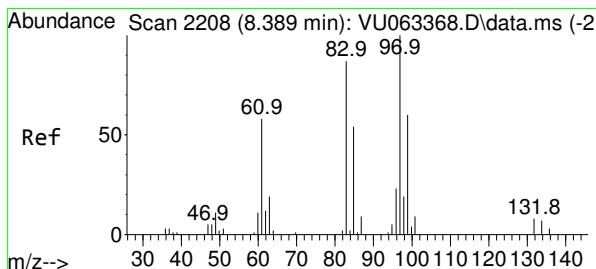
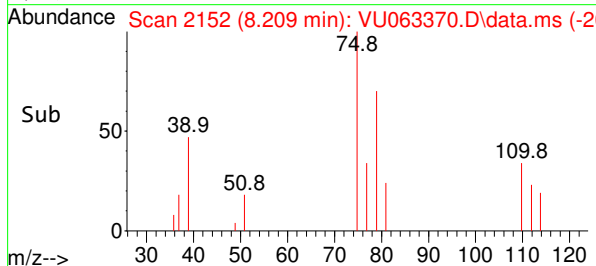
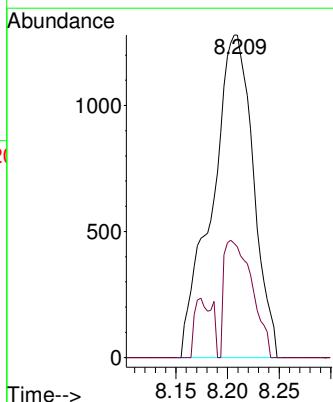
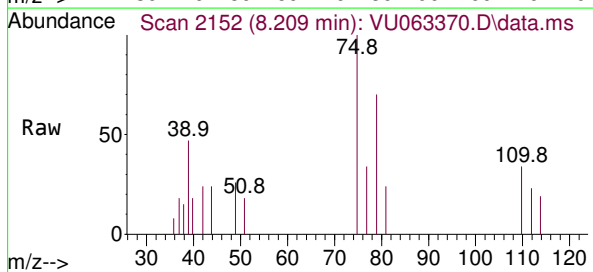
MDL-WATER-QT2-2025-03

Tgt Ion: 75 Resp: 3551

Ion Ratio Lower Upper

75 100

77 34.3 21.6 40.0



#45

1,1,2-Trichloroethane

Concen: 0.273 ug/L

RT: 8.396 min Scan# 2210

Delta R.T. 0.007 min

Lab File: VU063370.D

Acq: 09 Jun 2025 16:47

Tgt Ion: 97 Resp: 2022

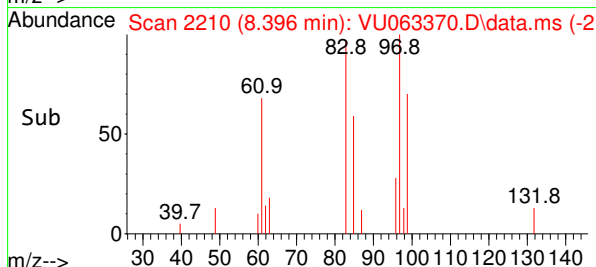
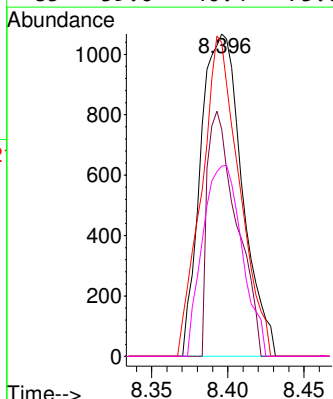
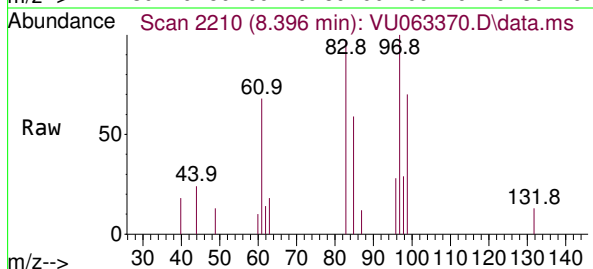
Ion Ratio Lower Upper

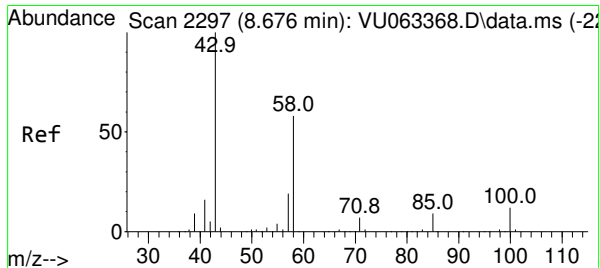
97 100

99 70.4 42.2 78.4

83 97.3 62.9 116.9

85 59.0 40.4 75.0

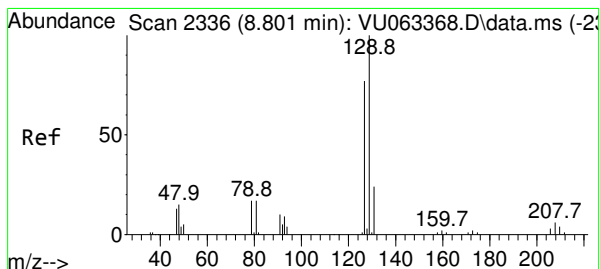
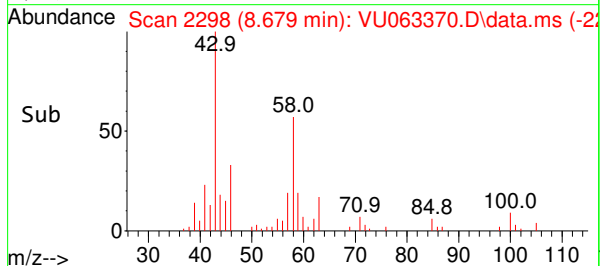
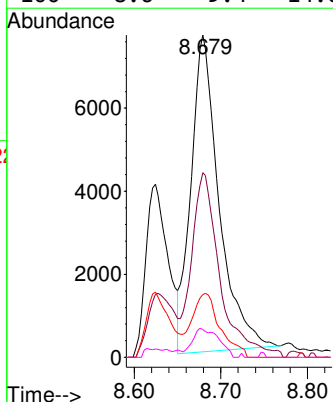
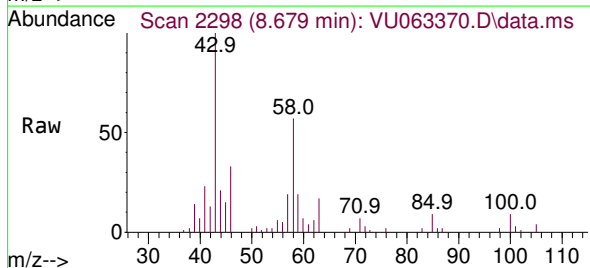




#48  
2-Hexanone  
Concen: 4.295 ug/L  
RT: 8.679 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

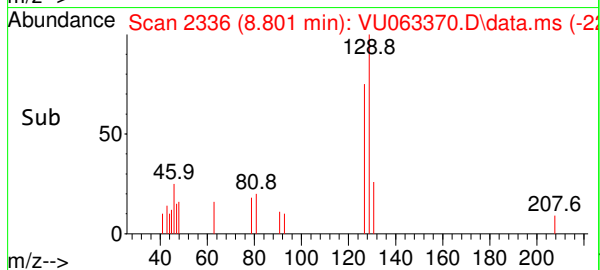
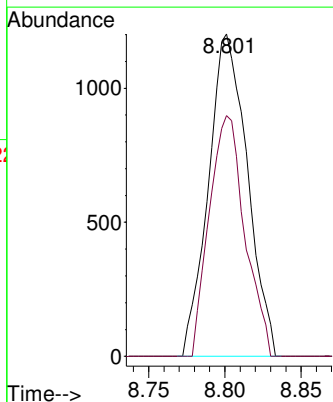
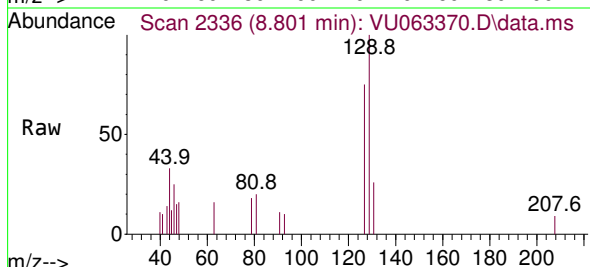
Instrument : MSVOA\_U  
ClientSampleId : MDL-WATER-QT2-2025-03

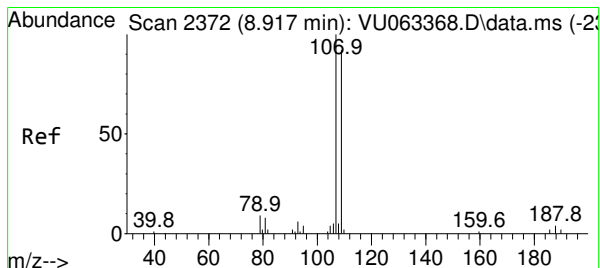
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 17180 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 58.5  | 45.8  | 68.8  |
| 57       | 20.1  | 15.7  | 23.5  |
| 100      | 8.6   | 9.4   | 14.0  |



#49  
Dibromochloromethane  
Concen: 0.269 ug/L  
RT: 8.801 min Scan# 2336  
Delta R.T. 0.000 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 2134  |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 74.6  | 53.8  | 99.8  |





#50

1,2-Dibromoethane

Concen: 0.253 ug/L

RT: 8.917 min Scan# 2

Delta R.T. 0.000 min

Lab File: VU063370.D

Acq: 09 Jun 2025 16:47

Instrument :

MSVOA\_U

ClientSampleId :

MDL-WATER-QT2-2025-03

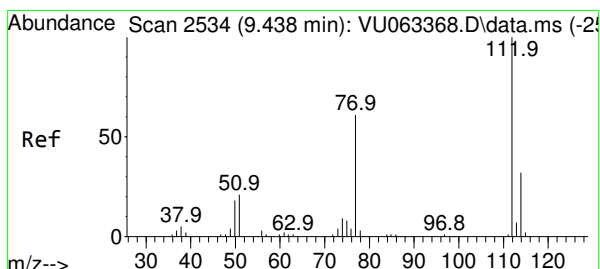
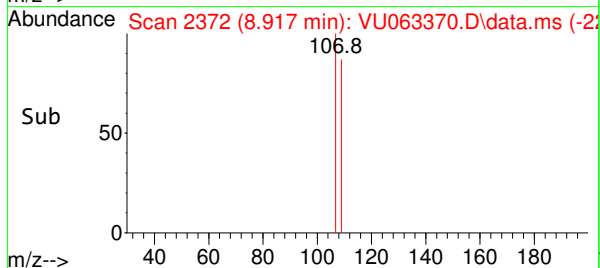
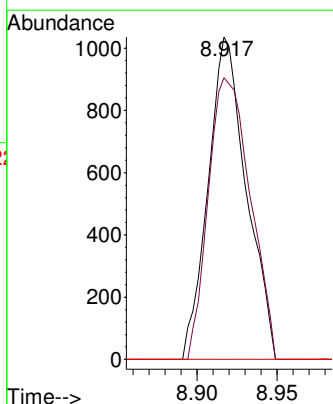
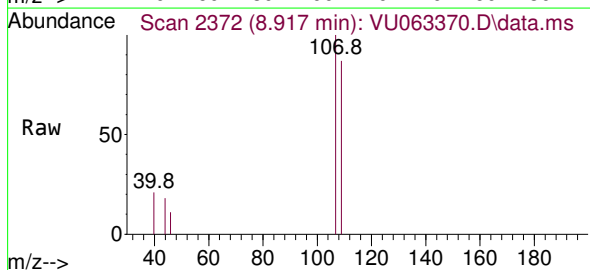
Tgt Ion:107 Resp: 1726

Ion Ratio Lower Upper

107 100

109 87.4 67.6 125.6

188 0.0 2.6 3.8#



#51

Chlorobenzene

Concen: 0.286 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU063370.D

Acq: 09 Jun 2025 16:47

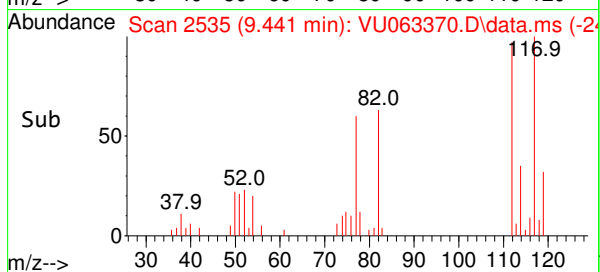
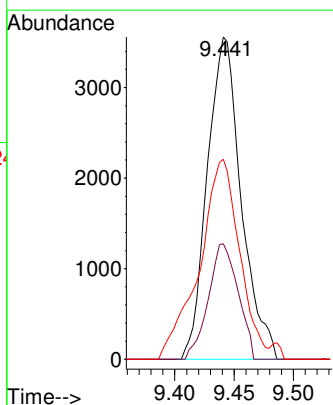
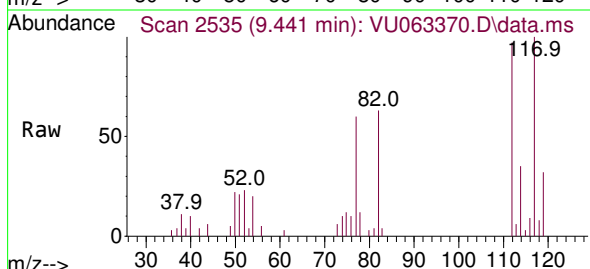
Tgt Ion:112 Resp: 7059

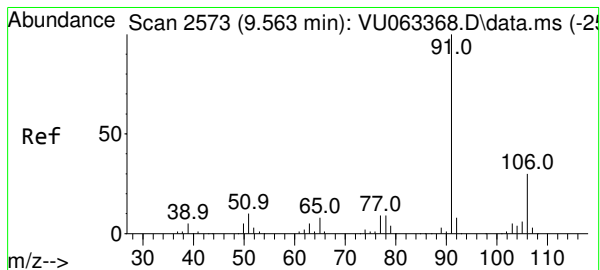
Ion Ratio Lower Upper

112 100

114 33.9 22.6 42.0

77 58.7 50.8 76.2

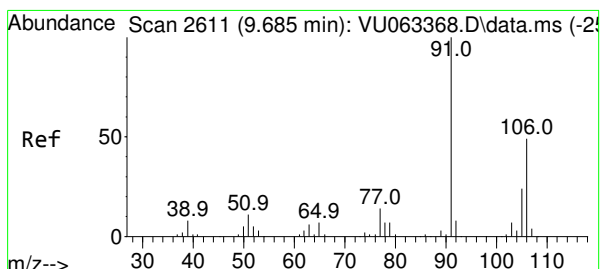
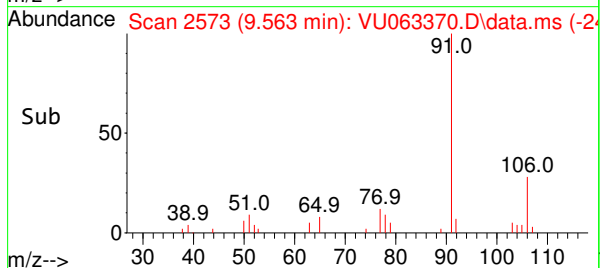
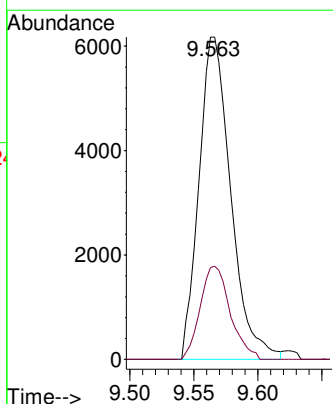
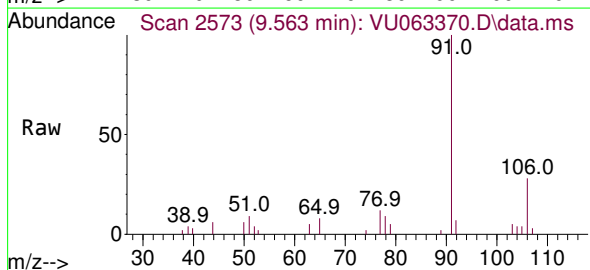




#52  
Ethylbenzene  
Concen: 0.269 ug/L  
RT: 9.563 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

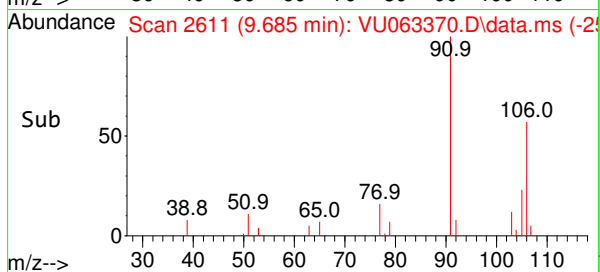
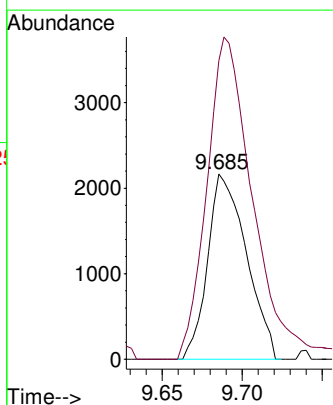
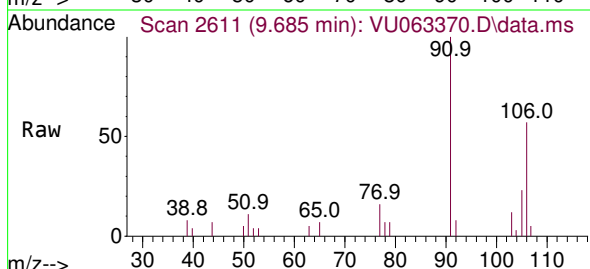
Instrument : MSVOA\_U  
ClientSampleId : MDL-WATER-QT2-2025-03

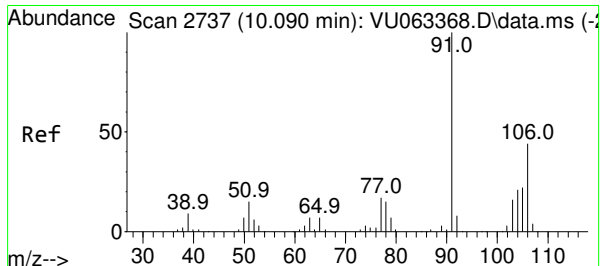
Tgt Ion: 91 Resp: 10671  
Ion Ratio Lower Upper  
91 100  
106 28.5 21.3 39.6



#53  
m,p-Xylene  
Concen: 0.246 ug/L  
RT: 9.685 min Scan# 2611  
Delta R.T. 0.000 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

Tgt Ion: 106 Resp: 3645  
Ion Ratio Lower Upper  
106 100  
91 161.1 147.3 273.6

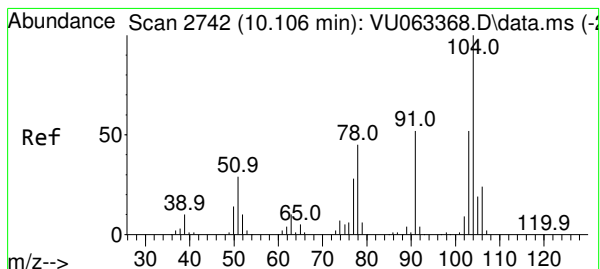
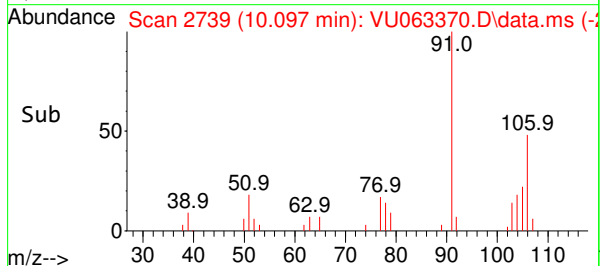
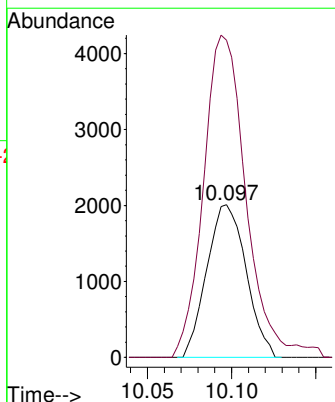
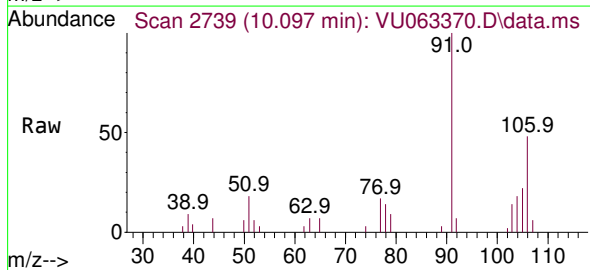




#54  
o-Xylene  
Concen: 0.231 ug/L  
RT: 10.097 min Scan# 21  
Delta R.T. 0.007 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

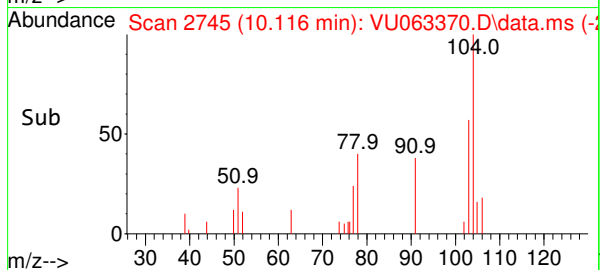
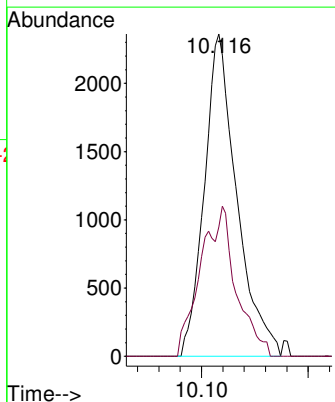
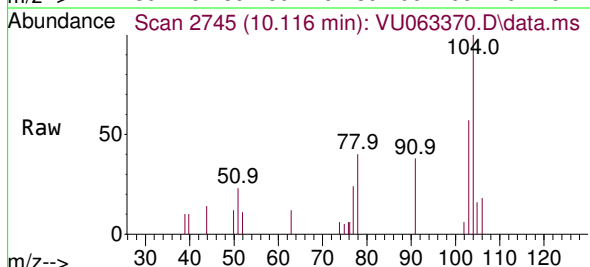
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2025-03

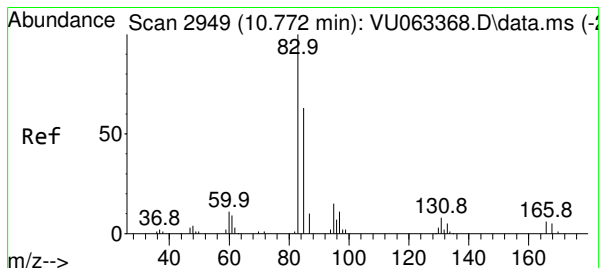
Tgt Ion:106 Resp: 3263  
Ion Ratio Lower Upper  
106 100  
91 207.8 155.4 288.6



#55  
Styrene  
Concen: 0.207 ug/L  
RT: 10.116 min Scan# 2745  
Delta R.T. 0.010 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

Tgt Ion:104 Resp: 4982  
Ion Ratio Lower Upper  
104 100  
78 40.2 31.6 58.6

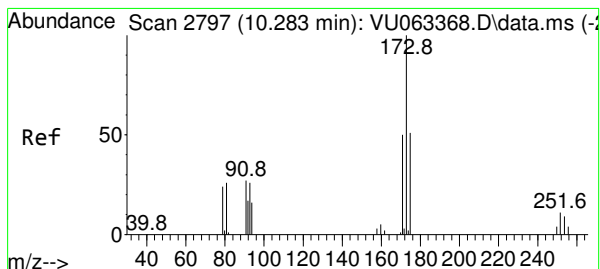
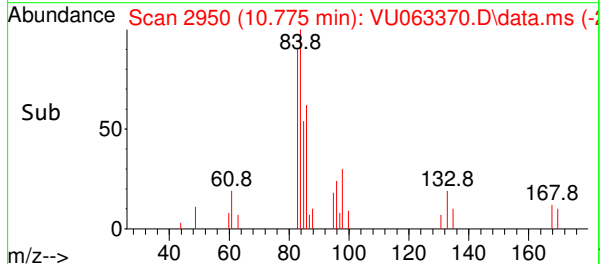
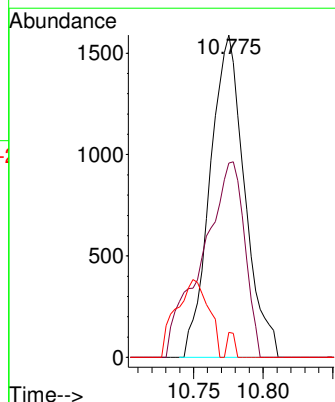
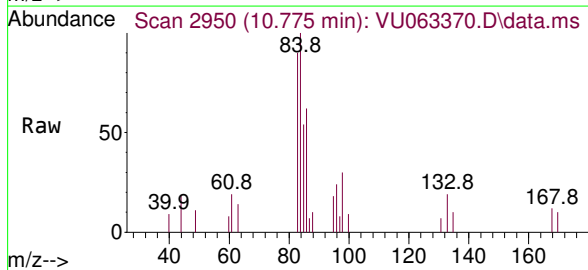




#57  
1,1,2,2-Tetrachloroethane  
Concen: 0.288 ug/L  
RT: 10.775 min Scan# 2  
Delta R.T. 0.003 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

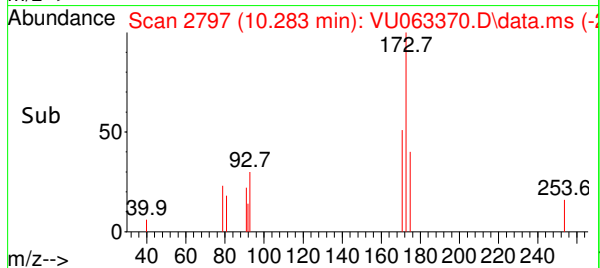
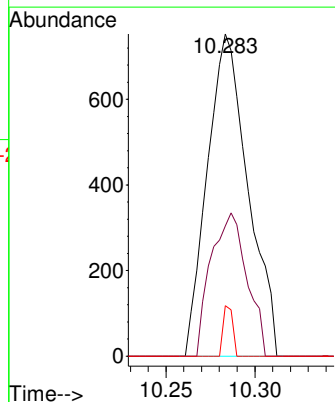
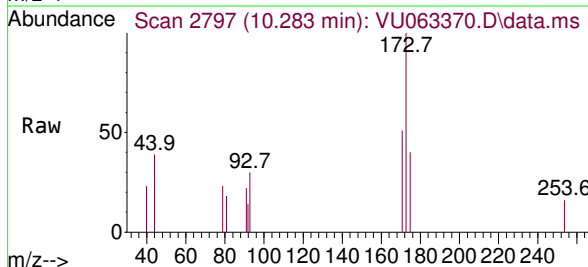
Instrument : MSVOA\_U  
ClientSampleId : MDL-WATER-QT2-2025-03

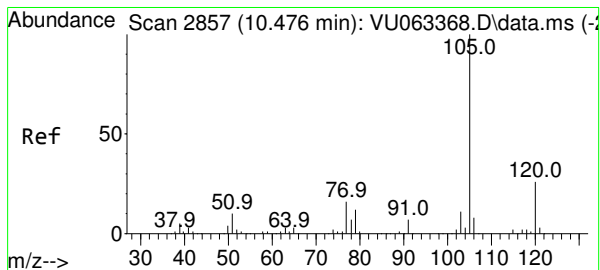
Tgt Ion: 83 Resp: 2735  
Ion Ratio Lower Upper  
83 100  
85 60.3 45.6 84.8  
131 7.7 7.4 11.0



#59  
Bromoform  
Concen: 0.302 ug/L  
RT: 10.283 min Scan# 2797  
Delta R.T. 0.000 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

Tgt Ion: 173 Resp: 1195  
Ion Ratio Lower Upper  
173 100  
175 39.4 37.7 56.5  
254 3.7 7.9 11.9#

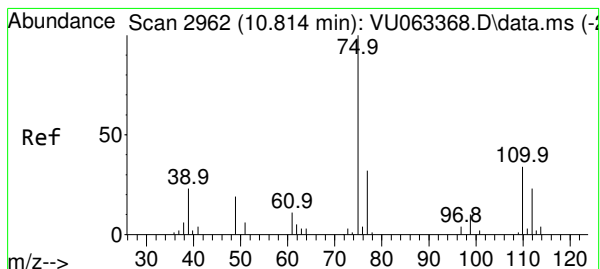
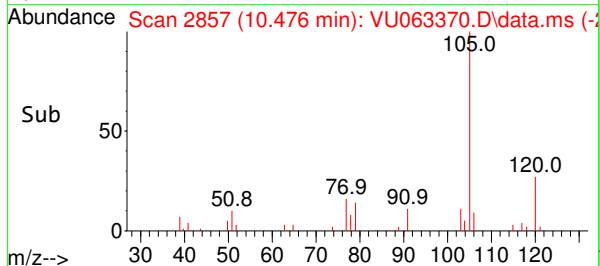
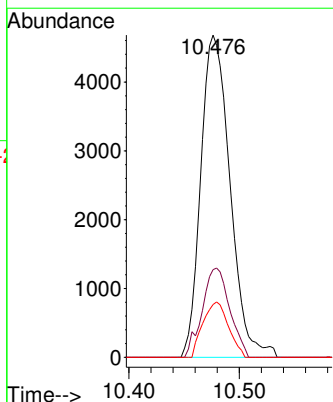
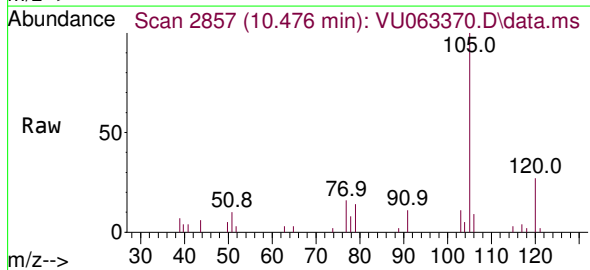




#60  
Isopropylbenzene  
Concen: 0.274 ug/L  
RT: 10.476 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

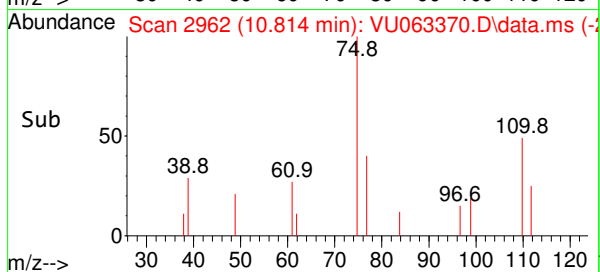
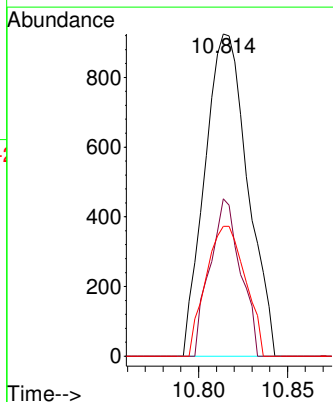
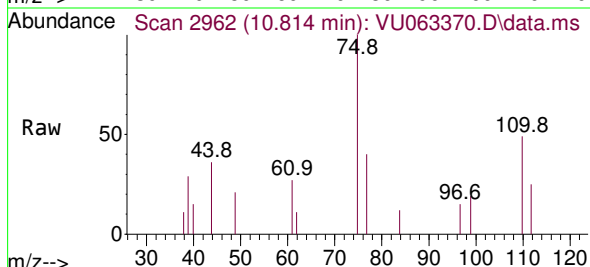
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-WATER-QT2-2025-03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 8640  |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 26.0  | 20.8  | 31.2  |
| 77       | 15.0  | 13.3  | 19.9  |

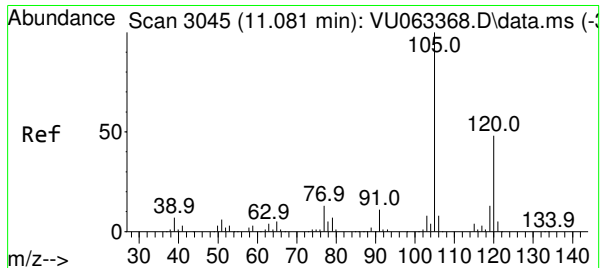


#61  
1,2,3-Trichloropropane  
Concen: 0.287 ug/L  
RT: 10.814 min Scan# 2962  
Delta R.T. 0.000 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 1547  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 34.8  | 27.4  | 41.0  |
| 77       | 37.0  | 26.3  | 39.5  |



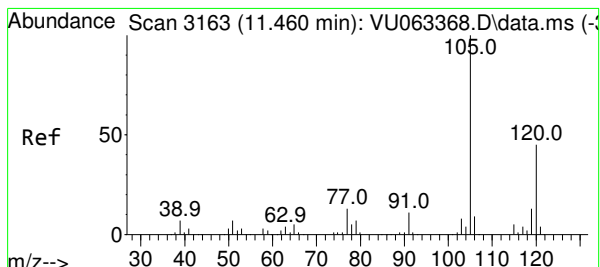
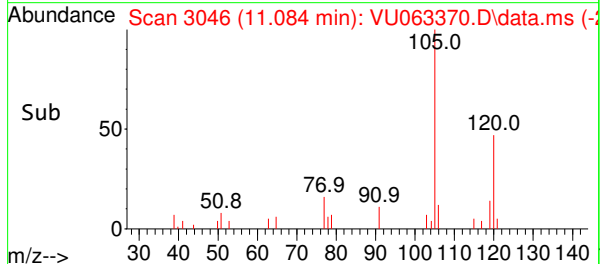
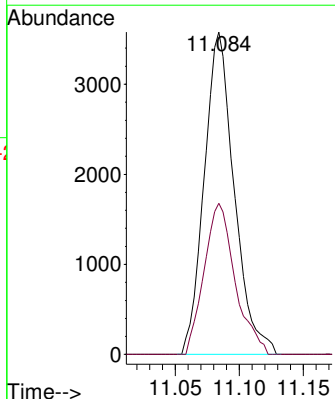
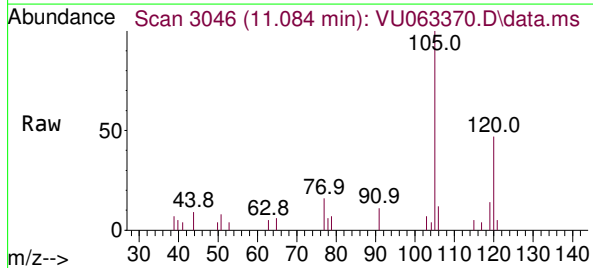




#62  
1,3,5-Trimethylbenzene  
Concen: 0.239 ug/L  
RT: 11.084 min Scan# 3163  
Delta R.T. 0.003 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

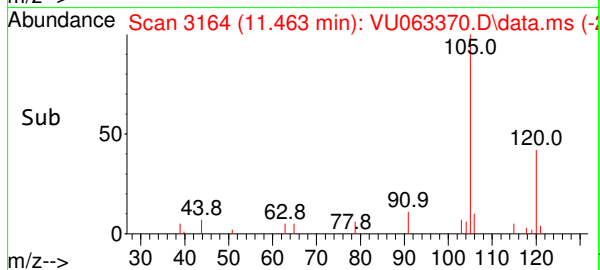
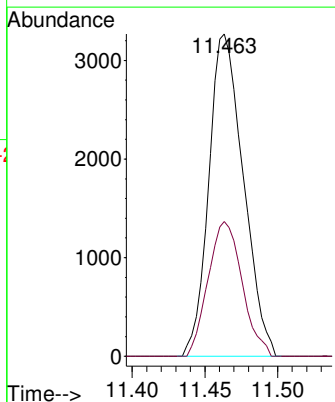
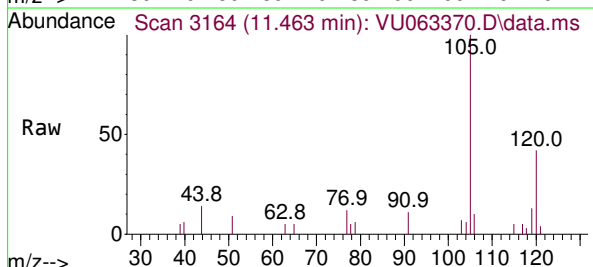
Instrument : MSVOA\_U  
ClientSampleId : MDL-WATER-QT2-2025-03

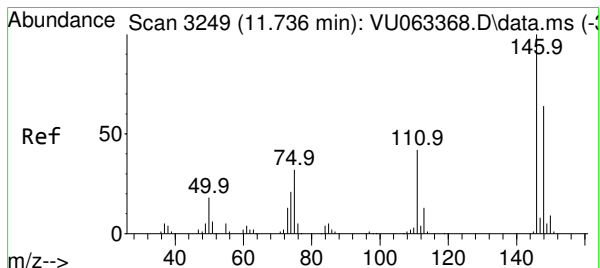
Tgt Ion:105 Resp: 5824  
Ion Ratio Lower Upper  
105 100  
120 48.4 37.8 56.8



#63  
1,2,4-Trimethylbenzene  
Concen: 0.231 ug/L  
RT: 11.463 min Scan# 3164  
Delta R.T. 0.003 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

Tgt Ion:105 Resp: 5394  
Ion Ratio Lower Upper  
105 100  
120 41.2 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 0.307 ug/L

RT: 11.743 min Scan# 3

Delta R.T. 0.007 min

Lab File: VU063370.D

Acq: 09 Jun 2025 16:47

Instrument :

MSVOA\_U

ClientSampleId :

MDL-WATER-QT2-2025-03

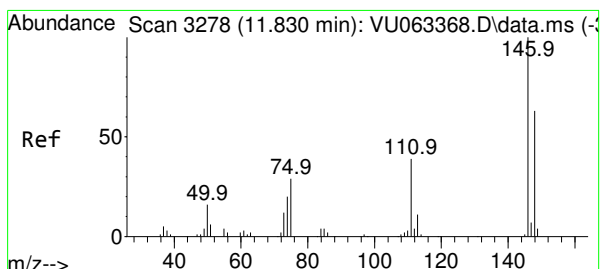
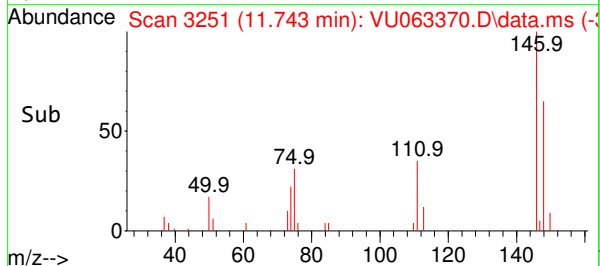
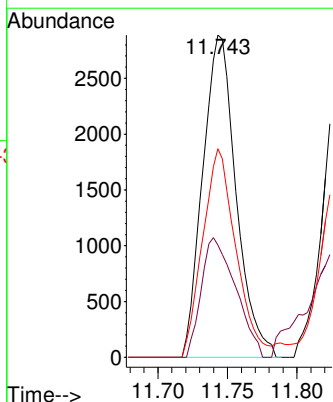
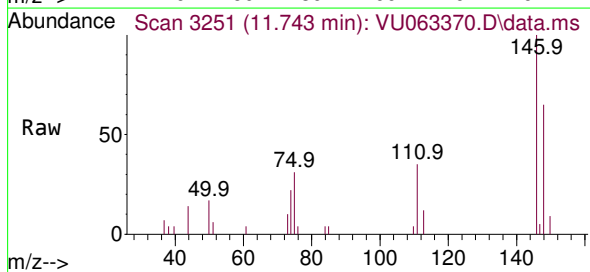
Tgt Ion:146 Resp: 4801

Ion Ratio Lower Upper

146 100

111 34.8 27.9 51.7

148 64.8 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 0.302 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU063370.D

Acq: 09 Jun 2025 16:47

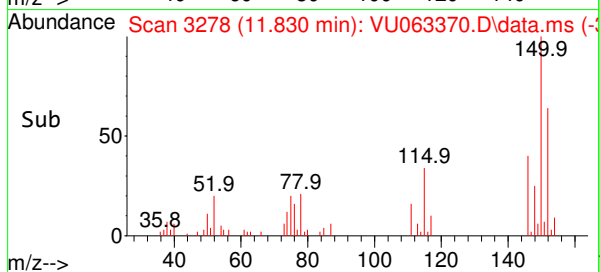
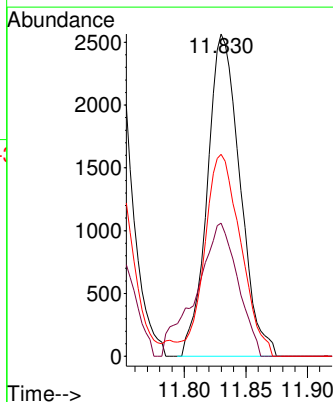
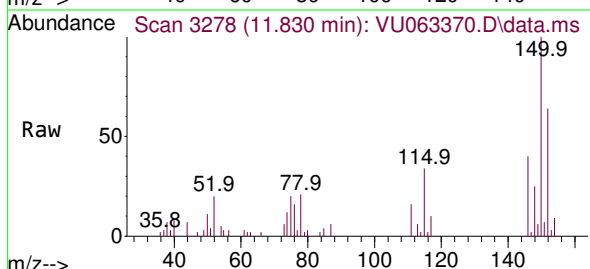
Tgt Ion:146 Resp: 4736

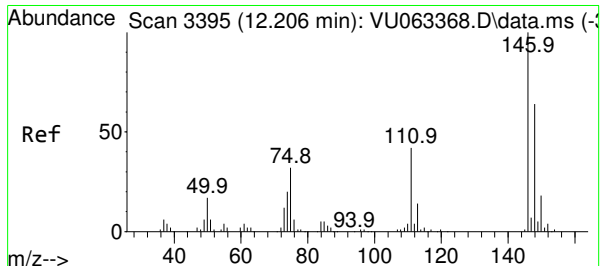
Ion Ratio Lower Upper

146 100

111 41.3 28.5 52.9

148 62.6 45.4 84.2

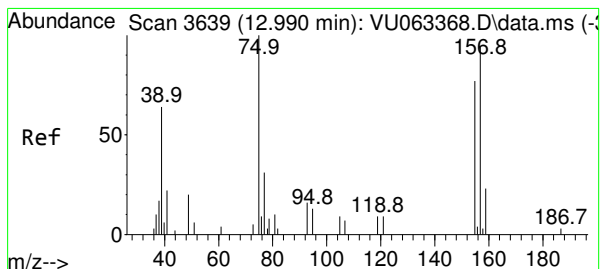
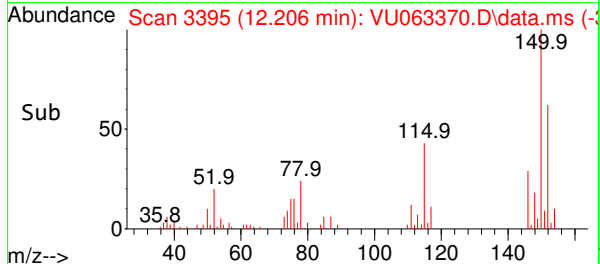
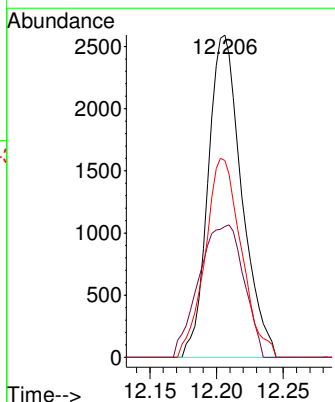
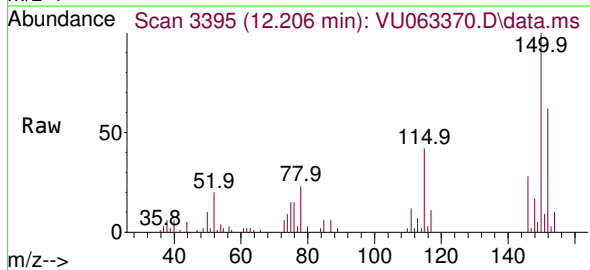




#67  
 1,2-Dichlorobenzene  
 Concen: 0.309 ug/L  
 RT: 12.206 min Scan# 3395  
 Delta R.T. 0.000 min  
 Lab File: VU063370.D  
 Acq: 09 Jun 2025 16:47

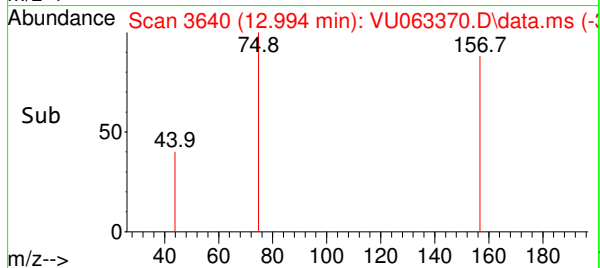
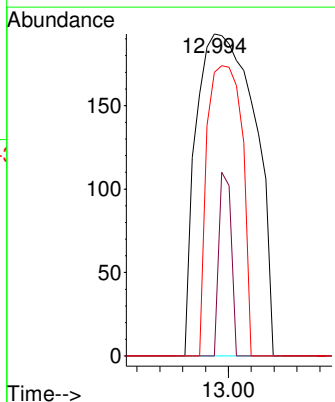
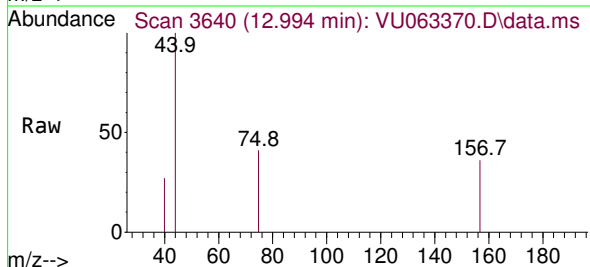
Instrument : MSVOA\_U  
 ClientSampleId : MDL-WATER-QT2-2025-03

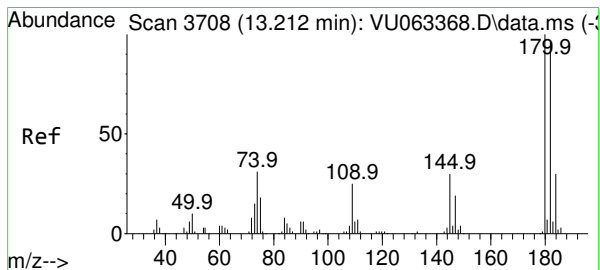
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 4534  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 40.6  | 34.1  | 51.1  |
| 148      | 61.0  | 52.5  | 78.7  |



#68  
 1,2-Dibromo-3-chloropropane  
 Concen: 0.333 ug/L  
 RT: 12.994 min Scan# 3640  
 Delta R.T. 0.003 min  
 Lab File: VU063370.D  
 Acq: 09 Jun 2025 16:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 342   |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 0.0   | 61.6  | 92.4# |
| 157      | 88.1  | 77.4  | 116.0 |

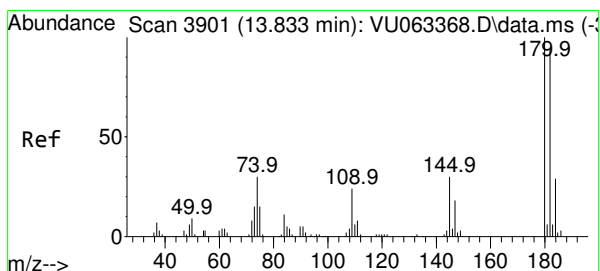
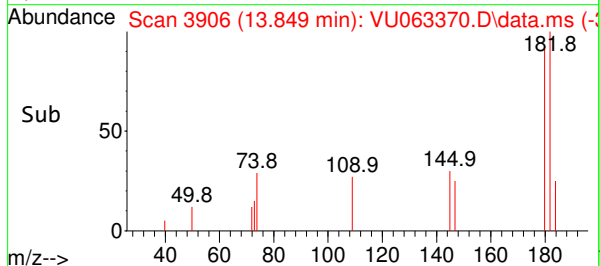
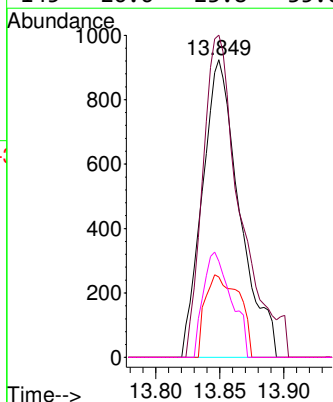
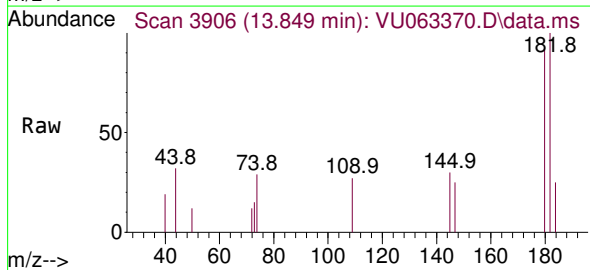




#69  
1,3,5-Trichlorobenzene  
Concen: 0.179 ug/L  
RT: 13.849 min Scan# 3906  
Delta R.T. 0.637 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

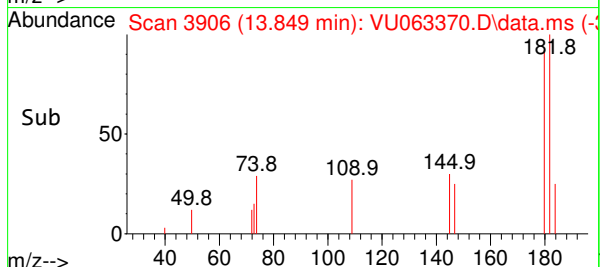
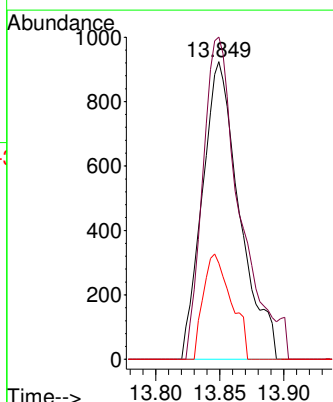
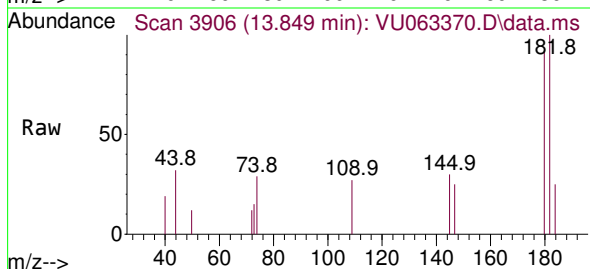
Instrument : MSVOA\_U  
ClientSampleId : MDL-WATER-QT2-2025-03

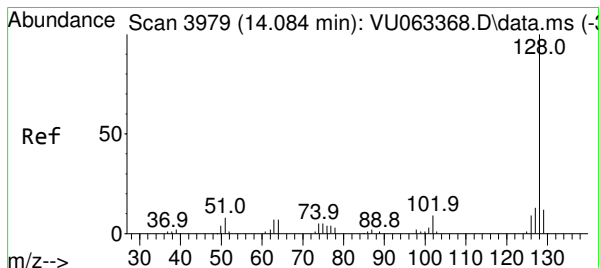
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 1860  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 109.2 | 76.7  | 115.1 |
| 184      | 25.2  | 23.8  | 35.8  |
| 145      | 26.6  | 23.8  | 35.6  |



#70  
1,2,4-trichlorobenzene  
Concen: 0.227 ug/L  
RT: 13.849 min Scan# 3906  
Delta R.T. 0.016 min  
Lab File: VU063370.D  
Acq: 09 Jun 2025 16:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 1860  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 109.2 | 76.1  | 114.1 |
| 145      | 26.6  | 24.3  | 36.5  |





#71

Naphthalene

Concen: 0.193 ug/L

RT: 14.113 min Scan# 3

Delta R.T. 0.029 min

Lab File: VU063370.D

Acq: 09 Jun 2025 16:47

Instrument :

MSVOA\_U

ClientSampleId :

MDL-WATER-QT2-2025-03

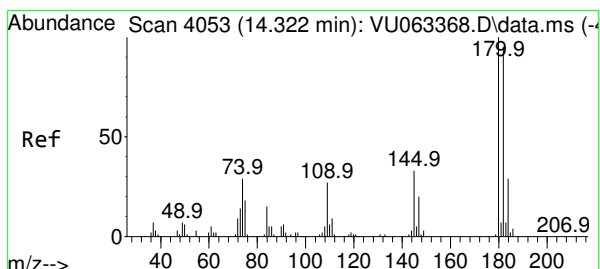
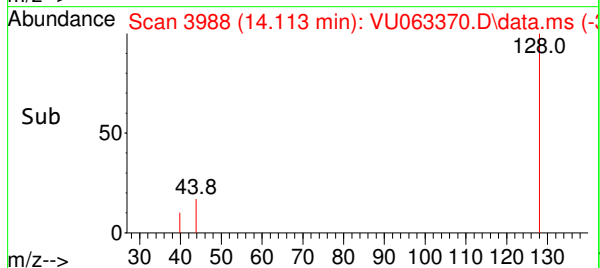
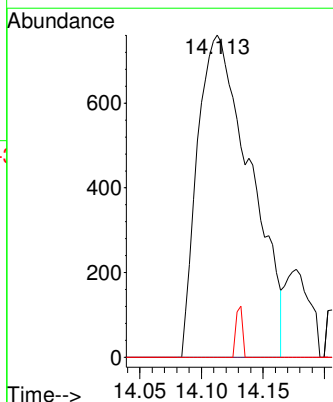
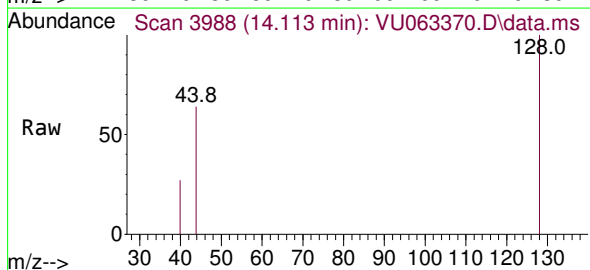
Tgt Ion:128 Resp: 2261

Ion Ratio Lower Upper

128 100

129 0.0 8.0 12.0#

127 1.9 10.6 15.8#



#72

1,2,3-Trichlorobenzene

Concen: 0.230 ug/L

RT: 14.331 min Scan# 4056

Delta R.T. 0.010 min

Lab File: VU063370.D

Acq: 09 Jun 2025 16:47

Tgt Ion:180 Resp: 1718

Ion Ratio Lower Upper

180 100

182 111.4 78.5 117.7

145 28.8 26.1 39.1

