

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110525\  
 Data File : VU063672.D  
 Acq On : 05 Nov 2025 14:57  
 Operator : MD/SY  
 Sample : Q3530-07  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT4-2025

Quant Time: Nov 06 04:38:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U103125DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Mon Nov 03 00:51:51 2025  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/12/2025  
 Supervised By : Mahesh Dadoda 11/12/2025

| Compound                     | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|------------------------------|--------|------|----------|-------|---------|----------|
| -----                        |        |      |          |       |         |          |
| Internal Standards           |        |      |          |       |         |          |
| 1) Fluorobenzene             | 6.081  | 96   | 61110    | 1.000 | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |       |         |          |
| 57) 4-Bromofluorobenzene     | 10.611 | 95   | 23571    | 0.853 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 85.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.171 | 152  | 21747    | 0.877 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 88.000% |          |
| Target Compounds             |        |      |          |       |         |          |
|                              |        |      |          |       | Qvalue  |          |
| 2) Dichlorodifluoromethane   | 1.374  | 85   | 6326     | 0.275 | ug/l    | 94       |
| 3) Chloromethane             | 1.509  | 50   | 6425     | 0.297 | ug/l    | 96       |
| 4) Vinyl Chloride            | 1.589  | 62   | 6753     | 0.307 | ug/l    | 91       |
| 5) Bromomethane              | 1.840  | 94   | 5289     | 0.398 | ug/l    | 95       |
| 6) Chloroethane              | 1.914  | 64   | 3806     | 0.282 | ug/l    | 99       |
| 7) Trichlorofluoromethane    | 2.116  | 101  | 8864     | 0.277 | ug/l    | 97       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.557  | 101  | 5030     | 0.296 | ug/l    | 94       |
| 9) 1,1-Dichloroethene        | 2.557  | 96   | 5299     | 0.322 | ug/l    | 99       |
| 10) Iodomethane              | 2.698  | 142  | 4649     | 0.190 | ug/l    | 94       |
| 11) Allyl Chloride           | 2.895  | 41   | 6728     | 0.262 | ug/l    | 94       |
| 12) Acrylonitrile            | 3.293  | 53   | 2615     | 0.642 | ug/l #  | 75       |
| 13) Acetone                  | 2.605  | 43   | 10745    | 1.493 | ug/l    | 92       |
| 14) Carbon Disulfide         | 2.766  | 76   | 12027    | 0.259 | ug/l    | 96       |
| 15) Methylene Chloride       | 3.014  | 84   | 6588     | 0.311 | ug/l    | 87       |
| 16) trans-1,2-Dichloroethene | 3.319  | 96   | 6336     | 0.349 | ug/l    | 95       |
| 17) 1,1-Dichloroethane       | 3.833  | 63   | 11243    | 0.312 | ug/l    | 98       |
| 18) 2-Butanone               | 4.692  | 43   | 10631    | 1.392 | ug/l    | 97       |
| 19) Cyclohexane              | 5.345  | 56   | 7827     | 0.285 | ug/l #  | 87       |
| 20) Methylcyclohexane        | 6.727  | 83   | 9631     | 0.281 | ug/l    | 97       |
| 21) 2,2-Dichloropropane      | 4.624  | 77   | 9536     | 0.295 | ug/l #  | 89       |
| 22) cis-1,2-Dichloroethene   | 4.631  | 96   | 6520     | 0.315 | ug/l    | 90       |
| 23) Diethyl Ether            | 2.361  | 59   | 3838     | 0.284 | ug/l    | 92       |
| 24) tert-Butyl Alcohol       | 3.171  | 59   | 5757     | 2.474 | ug/l #  | 86       |
| 25) Methyl tert-Butyl Ether  | 3.345  | 73   | 14369    | 0.298 | ug/l    | 100      |
| 26) Bromochloromethane       | 4.940  | 128  | 2855     | 0.327 | ug/l    | 84       |
| 27) Chloroform               | 5.055  | 83   | 10504    | 0.285 | ug/l    | 93       |
| 28) 1,1,1-Trichloroethane    | 5.277  | 97   | 9362     | 0.288 | ug/l    | 97       |
| 29) 1,1-Dichloropropene      | 5.486  | 75   | 7809     | 0.286 | ug/l    | 90       |
| 30) Carbon Tetrachloride     | 5.489  | 117  | 7262     | 0.283 | ug/l    | 95       |
| 31) Isopropyl Ether          | 3.972  | 45   | 16997    | 0.298 | ug/l    | 91       |
| 32) Ethyl-t-butyl ether      | 4.480  | 59   | 15603    | 0.284 | ug/l    | 92       |
| 33) Tert-Amyl methyl ether   | 5.920  | 73   | 14213    | 0.297 | ug/l #  | 97       |
| 34) Propionitrile            | 4.753  | 54   | 2137     | 1.432 | ug/l #  | 83       |
| 35) Benzene                  | 5.737  | 78   | 21979    | 0.286 | ug/l    | 100      |
| 36) 1,2-Dichloroethane       | 5.766  | 62   | 7913     | 0.321 | ug/l    | 98       |
| 37) Trichloroethene          | 6.515  | 130  | 6454     | 0.295 | ug/l    | 84       |
| 38) 1,2-Dichloropropane      | 6.766  | 63   | 5810     | 0.270 | ug/l    | 97       |
| 39) Methacrylonitrile        | 4.952  | 41   | 2202     | 0.296 | ug/l #  | 80       |
| 40) Methyl acrylate          | 4.833  | 55   | 3213     | 0.298 | ug/l #  | 89       |
| 41) Tetrahydrofuran          | 5.039  | 42   | 3084     | 0.923 | ug/l #  | 82       |
| 42) 1-Chlorobutane           | 5.422  | 56   | 11148    | 0.305 | ug/l    | 98       |
| 43) Dibromomethane           | 6.891  | 93   | 2961     | 0.266 | ug/l    | 91       |
| 44) Bromodichloromethane     | 7.084  | 83   | 6982     | 0.257 | ug/l    | 98       |

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 Operator : MD/SY  
 Sample : Q3530-07  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT4-2025

Manual Integrations  
 APPROVED

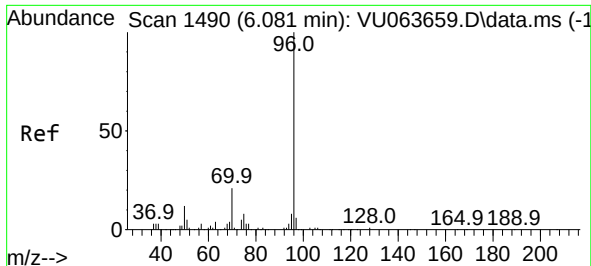
Reviewed By : John Carlone 11/12/2025  
 Supervised By : Mahesh Dadoda 11/12/2025

Quant Time: Nov 06 04:38:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U103125DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Mon Nov 03 00:51:51 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.782  | 43   | 16873    | 1.258 | ug/l   | 97       |
| 46) t-1,4-Dichloro-2-butene   | 10.814 | 75   | 1669m    | 0.359 | ug/l   |          |
| 47) Methyl methacrylate       | 6.952  | 69   | 5409     | 0.528 | ug/l   | 95       |
| 48) Ethyl methacrylate        | 8.322  | 69   | 5867     | 0.282 | ug/l   | 97       |
| 49) Toluene                   | 7.946  | 92   | 14554    | 0.281 | ug/l   | 100      |
| 50) t-1,3-Dichloropropene     | 8.190  | 75   | 5775     | 0.244 | ug/l   | 98       |
| 51) cis-1,3-Dichloropropene   | 7.586  | 75   | 7490     | 0.253 | ug/l   | 96       |
| 52) 1,1,2-Trichloroethane     | 8.380  | 97   | 4280     | 0.283 | ug/l   | 96       |
| 53) 1,3-Dichloropropane       | 8.554  | 76   | 7441     | 0.275 | ug/l   | 96       |
| 54) 2-Hexanone                | 8.682  | 43   | 15033    | 1.327 | ug/l   | 90       |
| 55) Dibromochloromethane      | 8.785  | 129  | 4199     | 0.236 | ug/l   | 98       |
| 56) 1,2-Dibromoethane         | 8.904  | 107  | 3829     | 0.266 | ug/l   | 100      |
| 58) Tetrachloroethene         | 8.528  | 164  | 6223     | 0.290 | ug/l   | 98       |
| 59) Chlorobenzene             | 9.425  | 112  | 16220    | 0.289 | ug/l   | 98       |
| 60) 1,1,1,2-Tetrachloroethane | 9.508  | 131  | 5029     | 0.256 | ug/l   | 97       |
| 61) Pentachloroethane         | 11.399 | 117  | 3045     | 0.223 | ug/l   | 88       |
| 62) Hexachloroethane          | 12.450 | 117  | 3065     | 0.205 | ug/l   | 100      |
| 63) Ethyl Benzene             | 9.547  | 91   | 28256    | 0.278 | ug/l   | 99       |
| 64) m/p-Xylenes               | 9.669  | 106  | 20356    | 0.536 | ug/l   | 99       |
| 65) o-Xylene                  | 10.078 | 106  | 9849     | 0.264 | ug/l   | 95       |
| 66) Styrene                   | 10.094 | 104  | 16404    | 0.272 | ug/l   | 97       |
| 67) Bromoform                 | 10.267 | 173  | 2007     | 0.209 | ug/l # | 93       |
| 69) Isopropylbenzene          | 10.460 | 105  | 24110    | 0.262 | ug/l   | 98       |
| 70) 1,1,2,2-Tetrachloroethane | 10.756 | 83   | 4835     | 0.255 | ug/l   | 91       |
| 71) 1,2,3-Trichloropropane    | 10.798 | 75   | 4605m    | 0.279 | ug/l   |          |
| 72) Bromobenzene              | 10.766 | 156  | 6682     | 0.300 | ug/l   | 92       |
| 73) n-propylbenzene           | 10.885 | 120  | 6559     | 0.251 | ug/l   | 88       |
| 74) 2-Chlorotoluene           | 10.962 | 126  | 6097     | 0.269 | ug/l   | 100      |
| 75) 1,3,5-Trimethylbenzene    | 11.065 | 105  | 21429    | 0.252 | ug/l   | 96       |
| 76) 4-Chlorotoluene           | 11.078 | 126  | 6404     | 0.282 | ug/l   | 85       |
| 77) tert-Butylbenzene         | 11.393 | 119  | 22572    | 0.271 | ug/l   | 97       |
| 78) 1,2,4-Trimethylbenzene    | 11.447 | 105  | 21900    | 0.268 | ug/l   | 100      |
| 79) sec-Butylbenzene          | 11.621 | 105  | 28859    | 0.263 | ug/l   | 100      |
| 80) Nitrobenzene              | 13.203 | 77   | 792m     | 1.185 | ug/l   |          |
| 81) p-Isopropyltoluene        | 11.769 | 119  | 22950    | 0.256 | ug/l   | 98       |
| 82) 1,3-Dichlorobenzene       | 11.724 | 146  | 12314    | 0.286 | ug/l   | 98       |
| 83) 1,4-Dichlorobenzene       | 11.817 | 146  | 12188    | 0.285 | ug/l   | 96       |
| 84) n-Butylbenzene            | 12.184 | 91   | 22484    | 0.280 | ug/l   | 99       |
| 85) 1,2-Dichlorobenzene       | 12.190 | 146  | 11963    | 0.294 | ug/l   | 99       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.968 | 75   | 663      | 0.211 | ug/l   | 89       |
| 87) 1,2,4-Trichlorobenzene    | 13.820 | 180  | 7886     | 0.314 | ug/l   | 98       |
| 88) Hexachlorobutadiene       | 13.994 | 225  | 4160     | 0.278 | ug/l   | 92       |
| 89) Naphthalene               | 14.068 | 128  | 18473    | 0.383 | ug/l   | 99       |
| 90) 1,2,3-Trichlorobenzene    | 14.306 | 180  | 8078     | 0.352 | ug/l   | 99       |

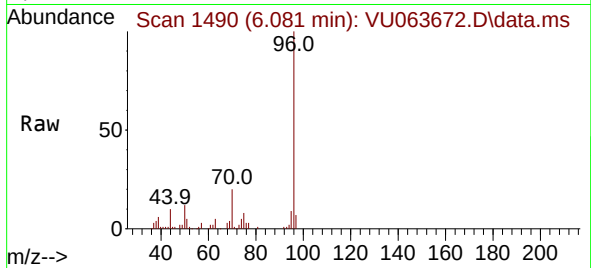
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.081 min Scan# 1490  
Delta R.T. -0.000 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

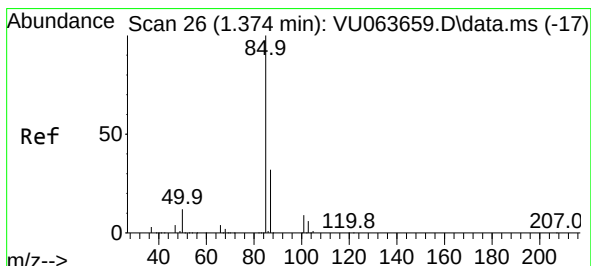
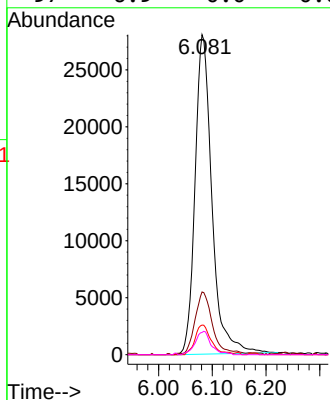
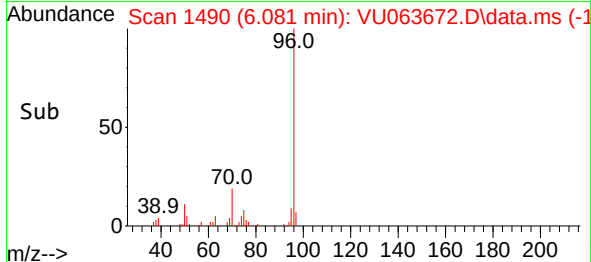
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



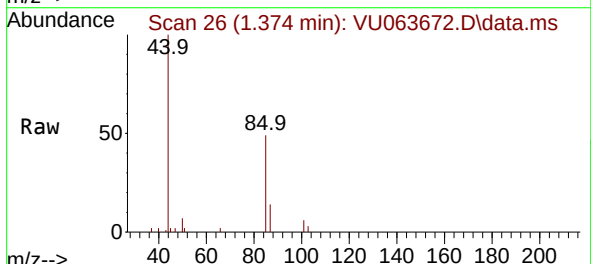
| Tgt Ion: | 96 | Ratio | 100 | Lower | 15.3 | Upper | 22.9 |
|----------|----|-------|-----|-------|------|-------|------|
| Ion      | 96 | 100   |     |       |      |       |      |
|          | 70 | 18.5  |     | 15.3  |      | 22.9  |      |
|          | 95 | 8.4   |     | 6.5   |      | 9.7   |      |
|          | 97 | 6.9   |     | 0.0   |      | 0.0   |      |

Manual Integrations  
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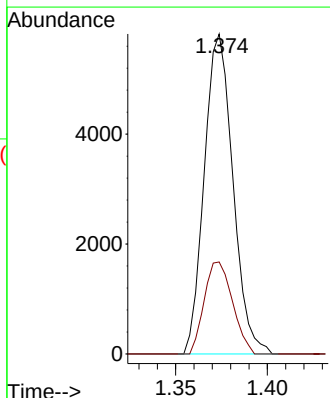
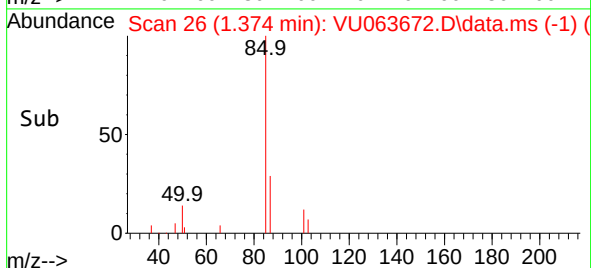
Reviewed By :John Carlone 11/12/2025  
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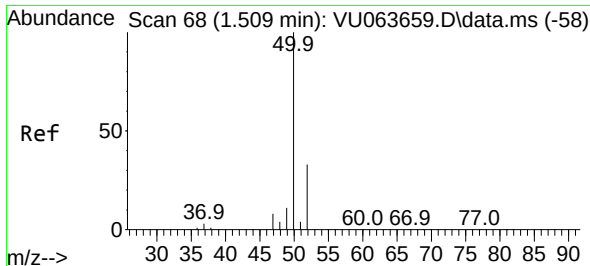


#2  
Dichlorodifluoromethane  
Concen: 0.275 ug/l  
RT: 1.374 min Scan# 26  
Delta R.T. -0.000 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57



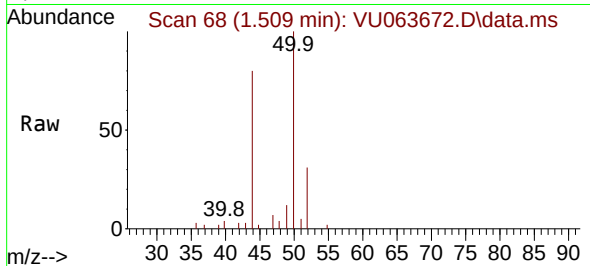
| Tgt Ion: | 85 | Ratio | 100 | Lower | 16.0 | Upper | 47.9 |
|----------|----|-------|-----|-------|------|-------|------|
| Ion      | 85 | 100   |     |       |      |       |      |
|          | 87 | 28.8  |     | 16.0  |      | 47.9  |      |





#3  
Chloromethane  
Concen: 0.297 ug/l  
RT: 1.509 min Scan# 68  
Delta R.T. -0.000 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

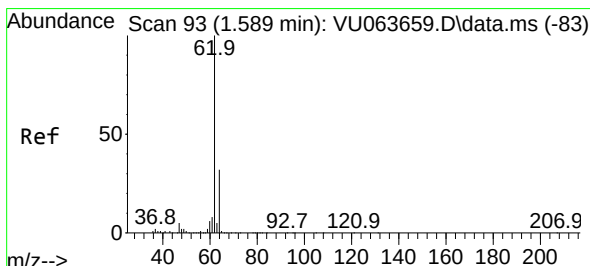
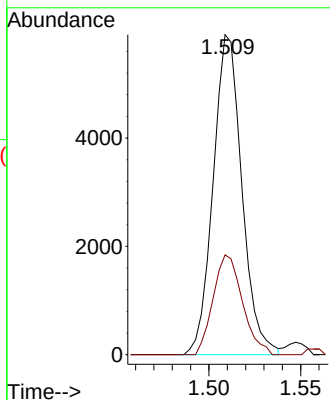
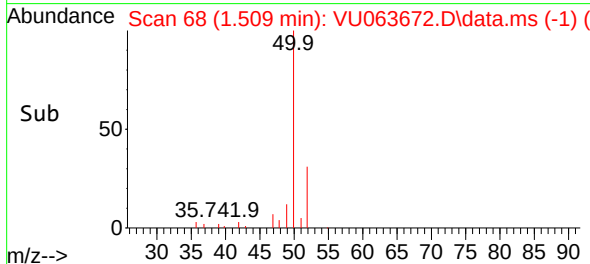
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



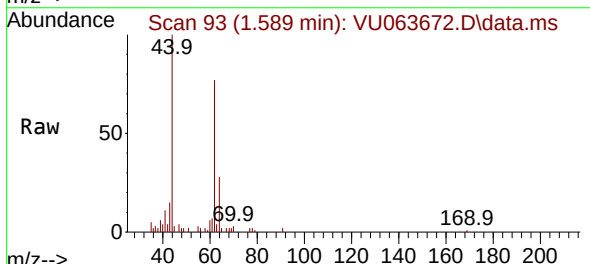
Tgt Ion: 50 Resp: 6425  
Ion Ratio Lower Upper  
50 100  
52 31.2 26.6 40.0

Manual Integrations  
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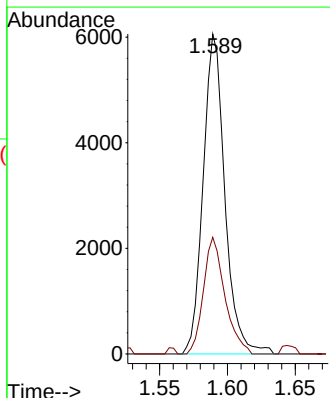
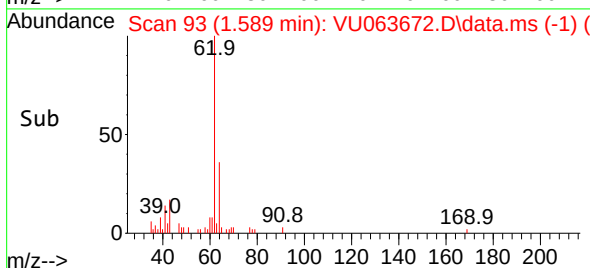
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025

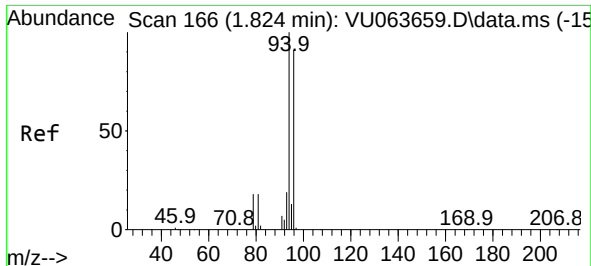


#4  
Vinyl Chloride  
Concen: 0.307 ug/l  
RT: 1.589 min Scan# 93  
Delta R.T. -0.000 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57



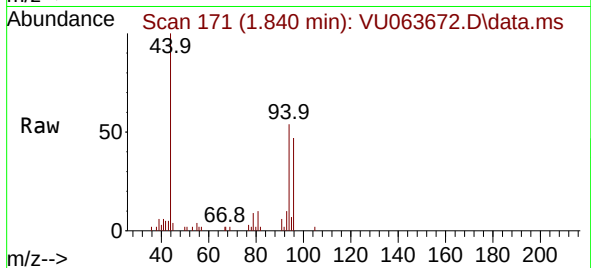
Tgt Ion: 62 Resp: 6753  
Ion Ratio Lower Upper  
62 100  
64 36.4 25.2 37.8





#5  
Bromomethane  
Concen: 0.398 ug/l  
RT: 1.840 min Scan# 11  
Delta R.T. 0.016 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

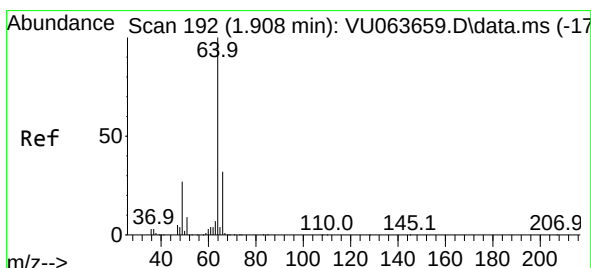
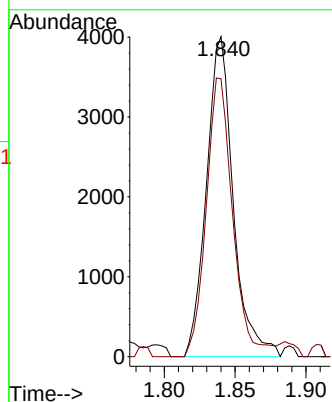
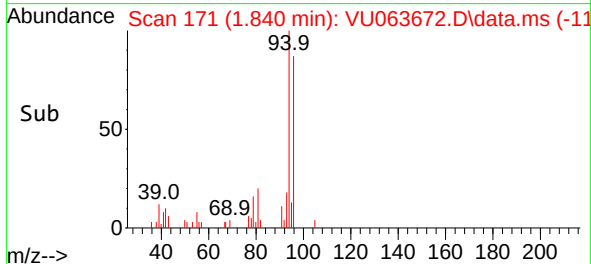
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Tgt Ion: 94 Resp: 5289  
Ion Ratio Lower Upper  
94 100  
96 86.8 73.0 109.6

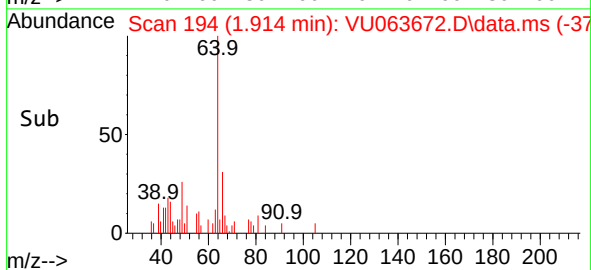
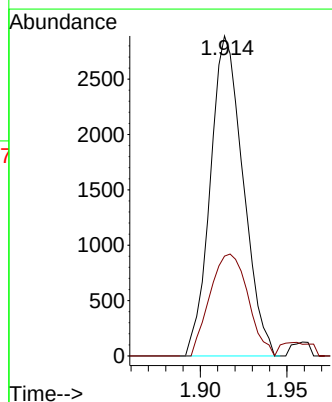
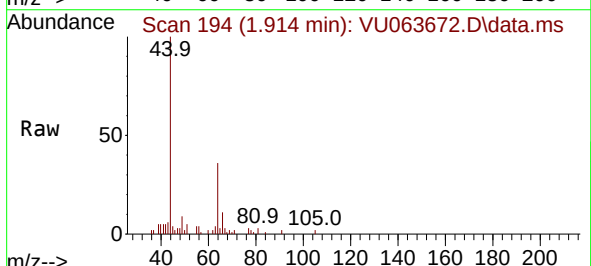
Manual Integrations  
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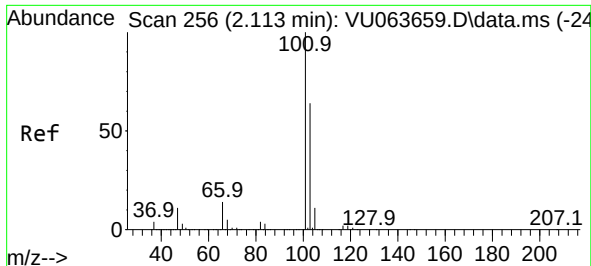
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025



#6  
Chloroethane  
Concen: 0.282 ug/l  
RT: 1.914 min Scan# 194  
Delta R.T. 0.006 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

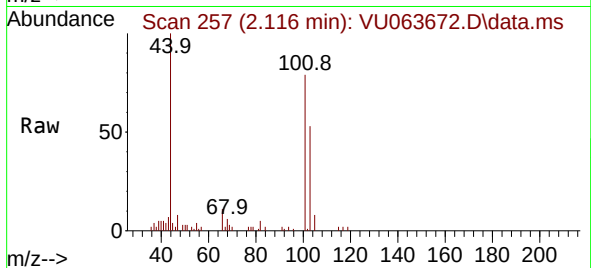
Tgt Ion: 64 Resp: 3806  
Ion Ratio Lower Upper  
64 100  
66 31.2 25.4 38.2





#7  
 Trichlorofluoromethane  
 Concen: 0.277 ug/l  
 RT: 2.116 min Scan# 210  
 Delta R.T. 0.003 min  
 Lab File: VU063672.D  
 Acq: 05 Nov 2025 14:57

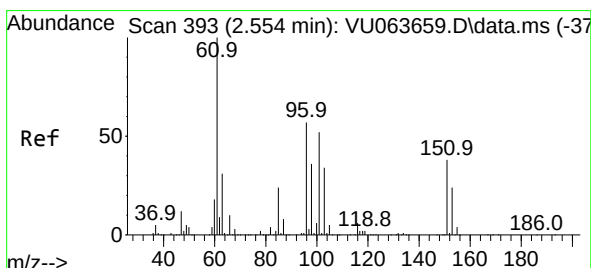
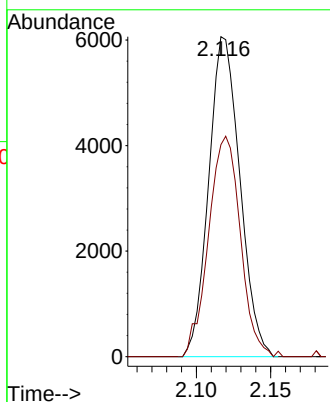
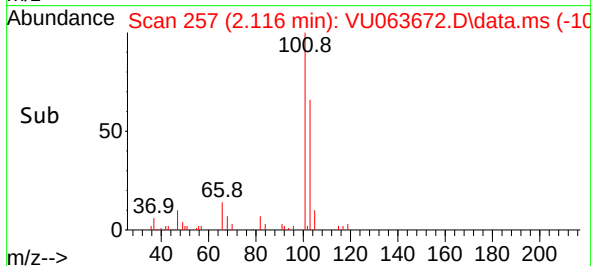
Instrument : MSVOA\_U  
 ClientSampleId : LOD-MDL-WATER-01-QT4-2025



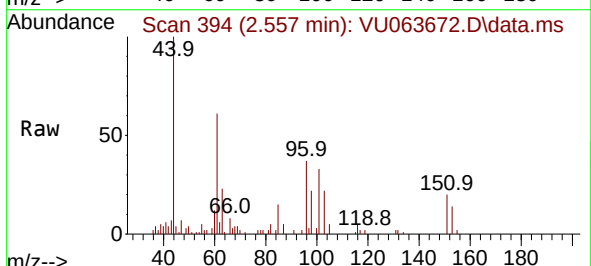
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 Ion Ratio Lower Upper  
 101 100  
 103 66.2 51.0 76.6

Manual Integrations  
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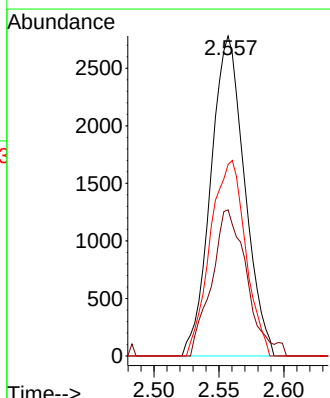
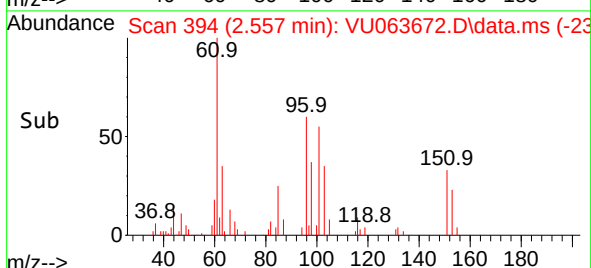
Reviewed By :John Carlone 11/12/2025  
 Supervised By :Mahesh Dadoda 11/12/2025

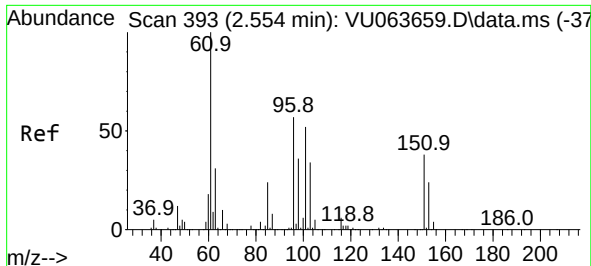


#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.296 ug/l  
 RT: 2.557 min Scan# 394  
 Delta R.T. 0.003 min  
 Lab File: VU063672.D  
 Acq: 05 Nov 2025 14:57



Tgt Ion:101 Resp: 5030  
 Ion Ratio Lower Upper  
 101 100  
 85 47.7 37.0 55.4  
 151 63.9 57.2 85.8





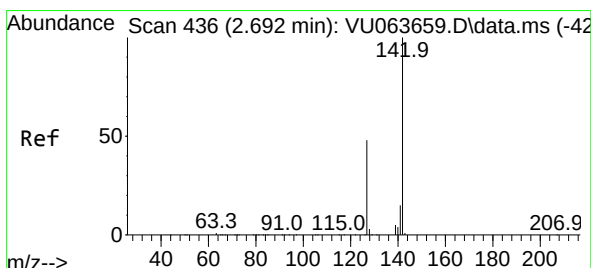
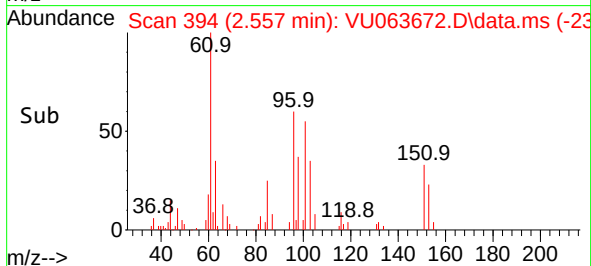
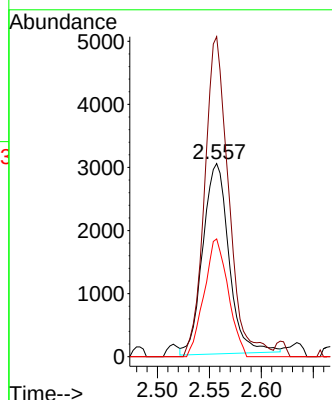
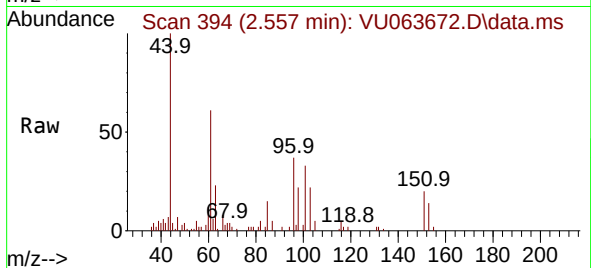
#9  
1,1-Dichloroethene  
Concen: 0.322 ug/l  
RT: 2.557 min Scan# 394  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 172.7 | 0.0   | 524.7 |
| 98      | 63.5  | 0.0   | 126.8 |

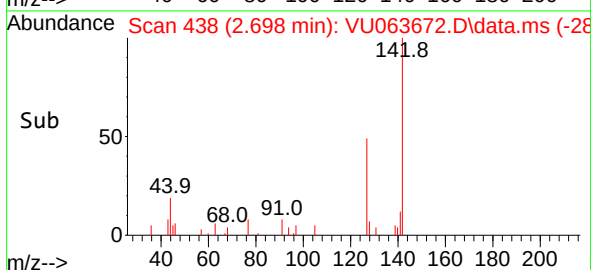
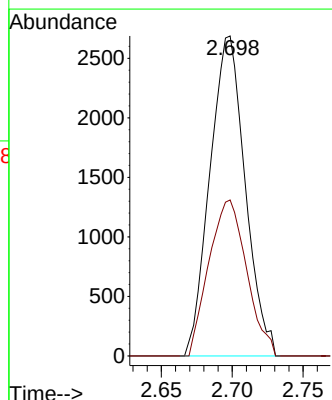
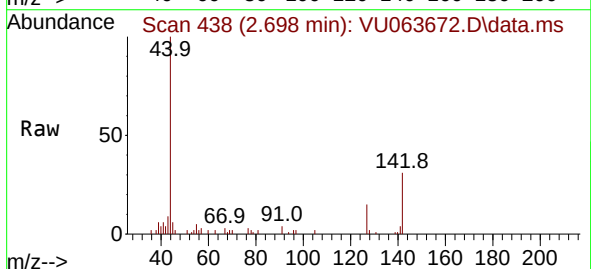
Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025

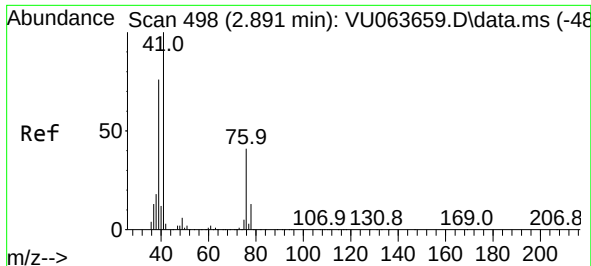


#10  
Iodomethane  
Concen: 0.190 ug/l  
RT: 2.698 min Scan# 438  
Delta R.T. 0.006 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 52.2  | 38.6  | 58.0  |

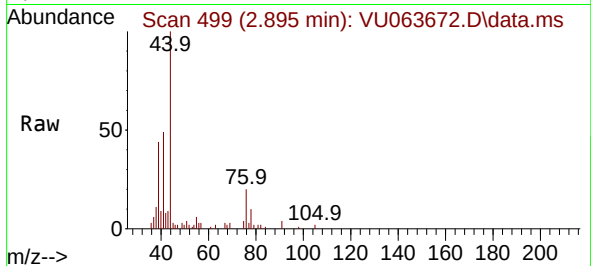






#11  
 Allyl Chloride  
 Concen: 0.262 ug/l  
 RT: 2.895 min Scan# 498  
 Delta R.T. 0.003 min  
 Lab File: VU063672.D  
 Acq: 05 Nov 2025 14:57

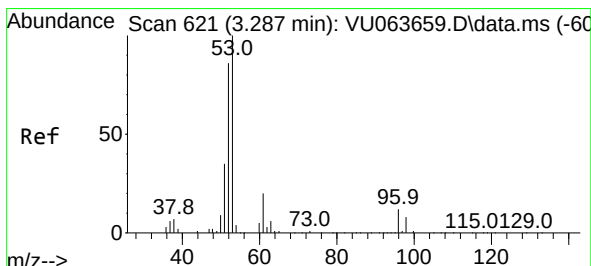
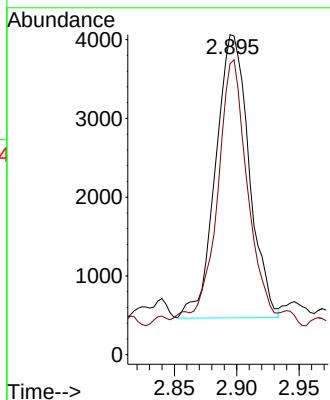
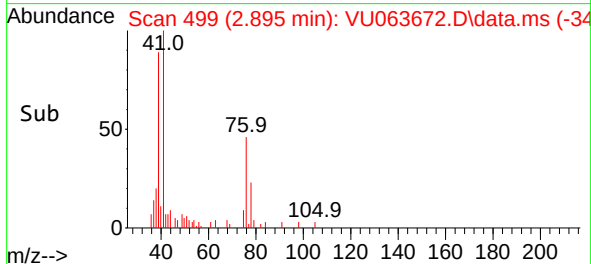
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 41 Resp: 6728  
 Ion Ratio Lower Upper  
 41 100  
 39 81.4 61.0 91.4

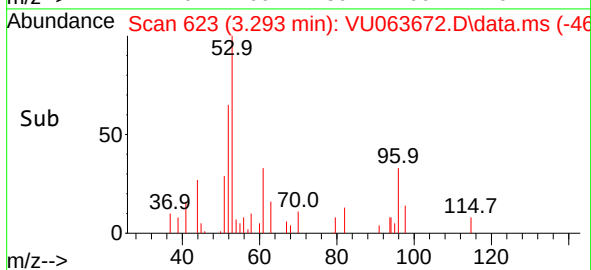
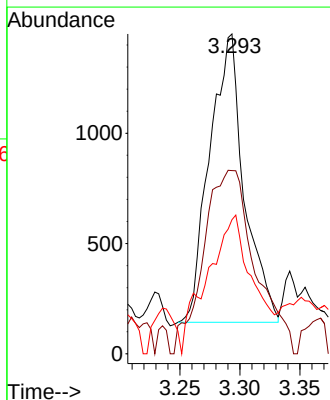
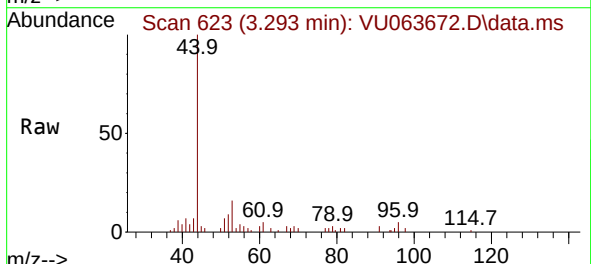
Manual Integrations  
 APPROVED

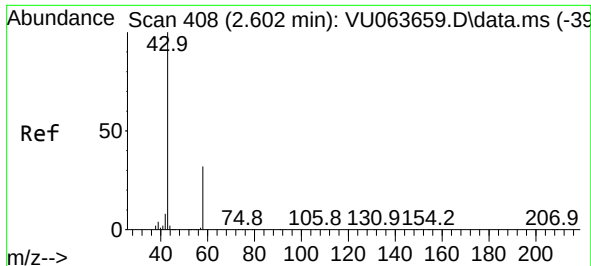
Reviewed By :John Carlone 11/12/2025  
 Supervised By :Mahesh Dadoda 11/12/2025



#12  
 Acrylonitrile  
 Concen: 0.642 ug/l  
 RT: 3.293 min Scan# 623  
 Delta R.T. 0.006 min  
 Lab File: VU063672.D  
 Acq: 05 Nov 2025 14:57

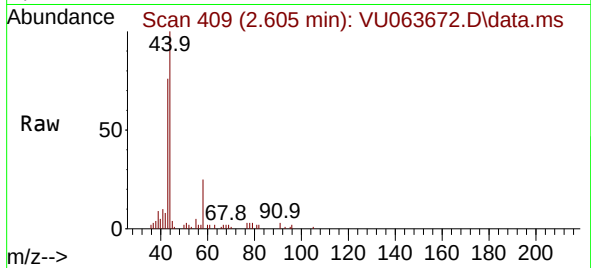
Tgt Ion: 53 Resp: 2615  
 Ion Ratio Lower Upper  
 53 100  
 52 95.1 65.4 98.0  
 51 63.6 27.6 41.4#





#13  
Acetone  
Concen: 1.493 ug/l  
RT: 2.605 min Scan# 408  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

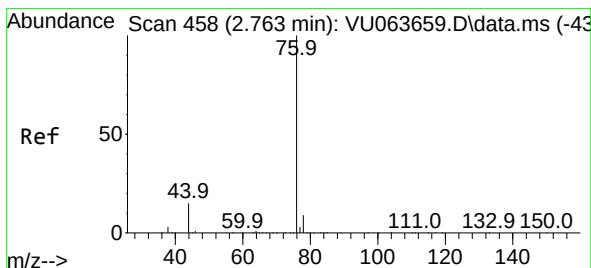
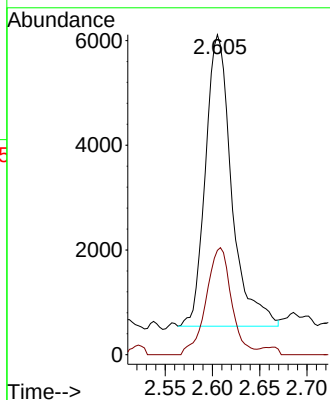
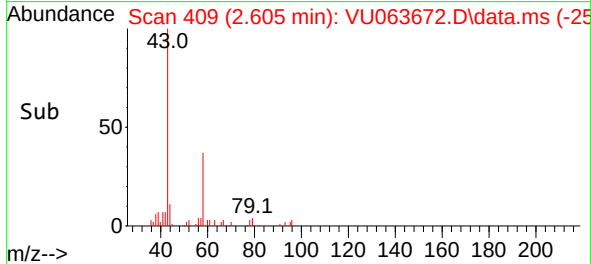
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 43 Resp: 10745  
Ion Ratio Lower Upper  
43 100  
58 35.8 25.2 37.8

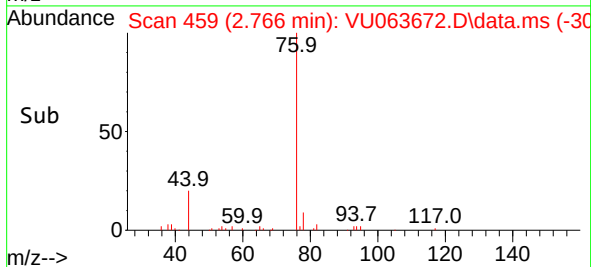
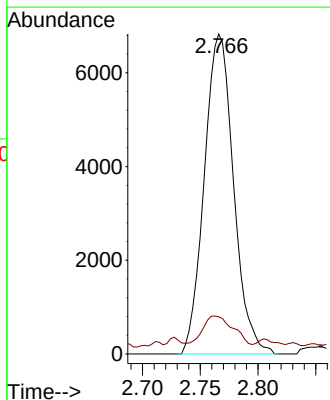
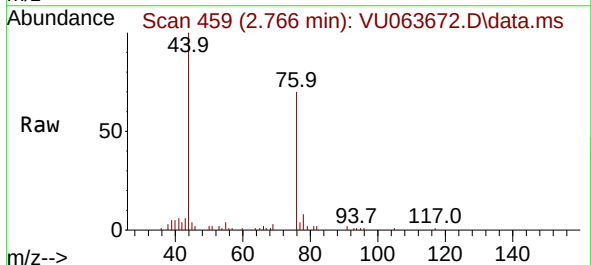
Manual Integrations  
APPROVED

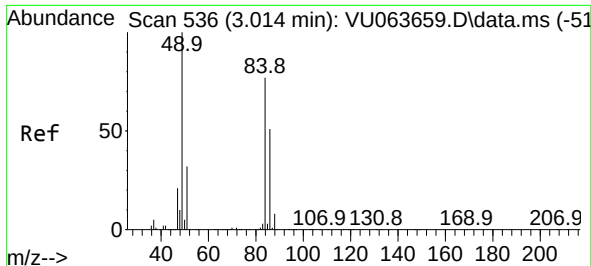
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025



#14  
Carbon Disulfide  
Concen: 0.259 ug/l  
RT: 2.766 min Scan# 459  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

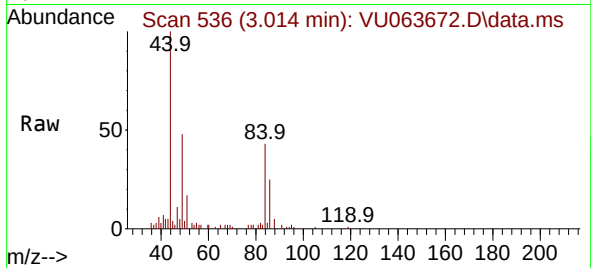
Tgt Ion: 76 Resp: 12027  
Ion Ratio Lower Upper  
76 100  
78 8.0 7.5 11.3





#15  
Methylene Chloride  
Concen: 0.311 ug/l  
RT: 3.014 min Scan# 511  
Delta R.T. -0.000 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

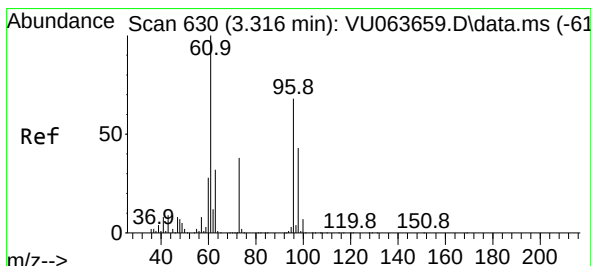
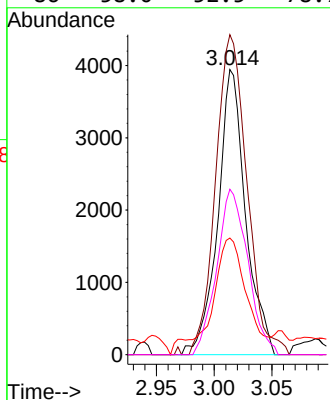
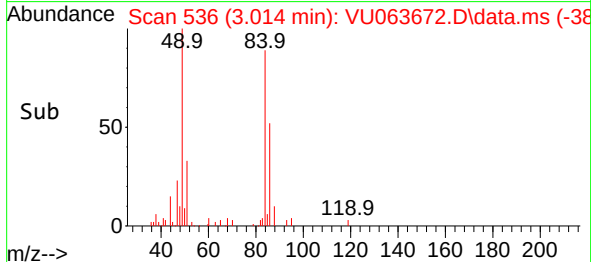
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 84 Resp: 6588  
Ion Ratio Lower Upper  
84 100  
49 109.5 103.4 155.0  
51 35.5 0.0 81.6  
86 58.0 52.5 78.7

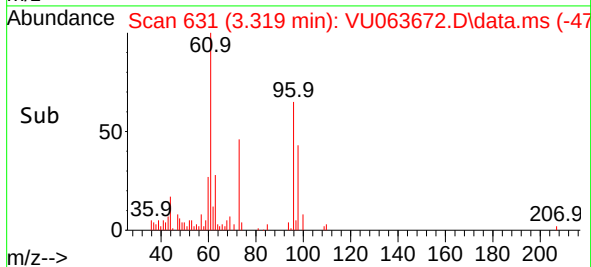
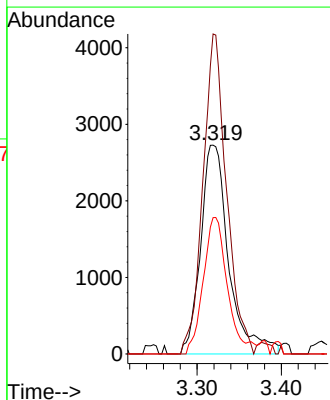
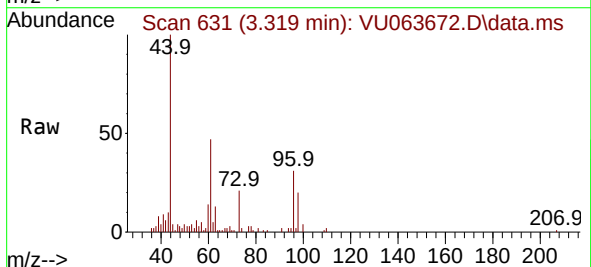
Manual Integrations  
APPROVED

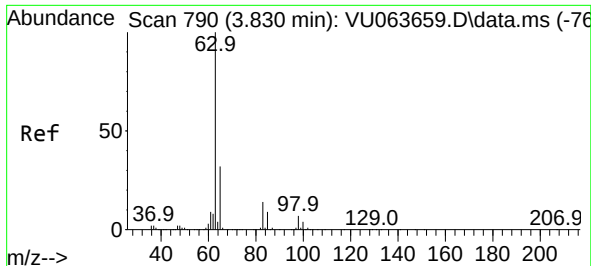
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025



#16  
trans-1,2-Dichloroethene  
Concen: 0.349 ug/l  
RT: 3.319 min Scan# 631  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

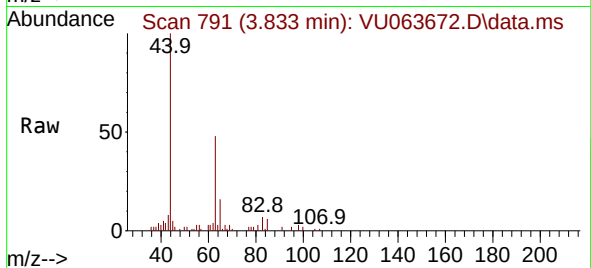
Tgt Ion: 96 Resp: 6336  
Ion Ratio Lower Upper  
96 100  
61 153.3 117.4 176.2  
98 65.3 49.9 74.9





#17  
1,1-Dichloroethane  
Concen: 0.312 ug/l  
RT: 3.833 min Scan# 791  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

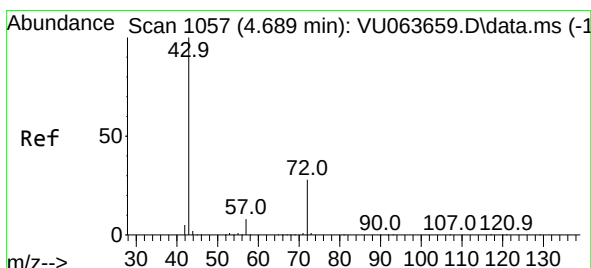
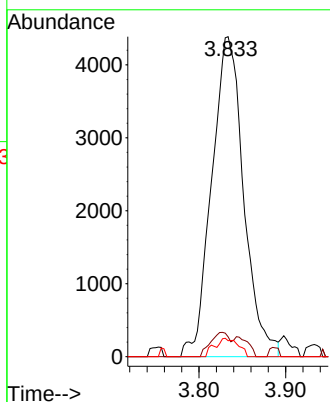
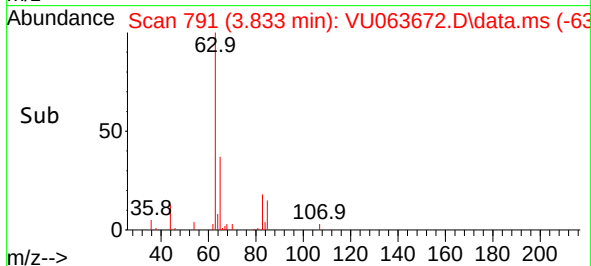
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025



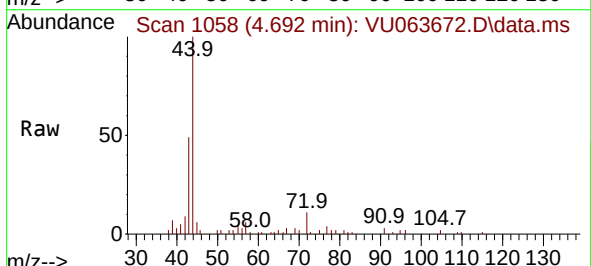
Tgt Ion: 63 Resp: 1124  
Ion Ratio Lower Upper  
63 100  
98 6.2 3.5 10.5  
100 5.0 2.2 6.6

Manual Integrations  
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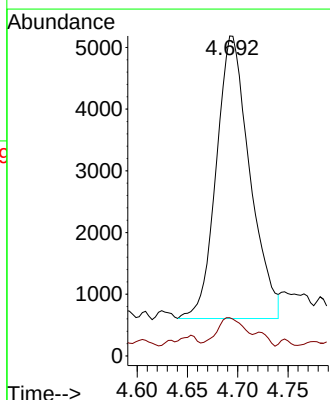
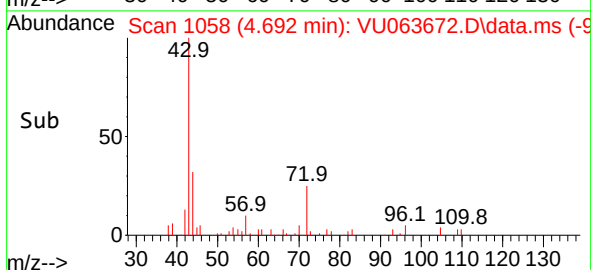
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025

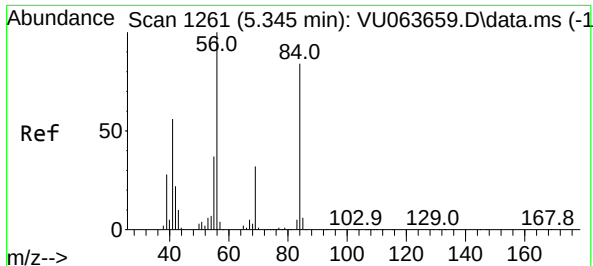


#18  
2-Butanone  
Concen: 1.392 ug/l  
RT: 4.692 min Scan# 1058  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57



Tgt Ion: 43 Resp: 10631  
Ion Ratio Lower Upper  
43 100  
57 9.4 0.0 16.6





#19

Cyclohexane

Concen: 0.285 ug/l

RT: 5.345 min Scan# 1261

Delta R.T. -0.000 min

Lab File: VU063672.D

Acq: 05 Nov 2025 14:57

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 56 Resp: 782

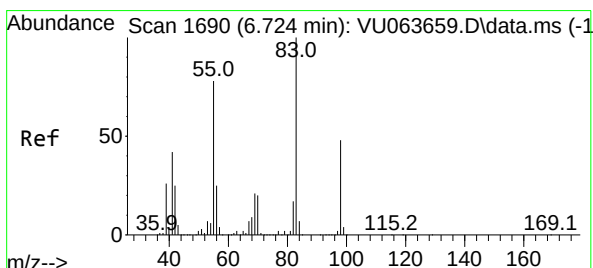
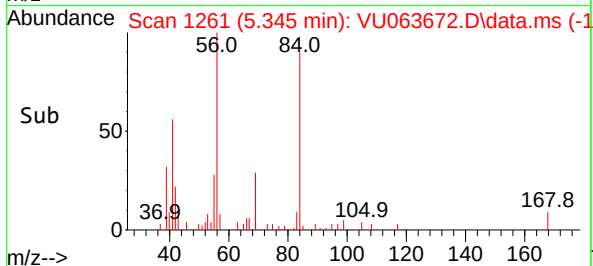
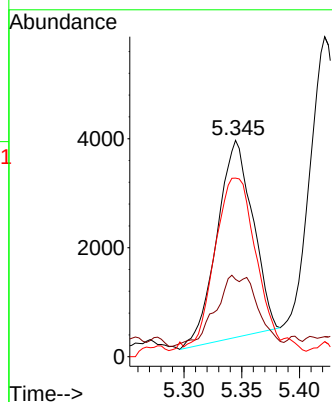
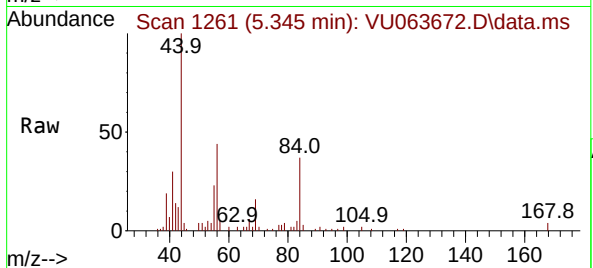
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 24.6  | 27.1  | 40.7  |
| 84  | 102.9 | 73.4  | 110.0 |

Manual Integrations

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Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#20

Methylcyclohexane

Concen: 0.281 ug/l

RT: 6.727 min Scan# 1691

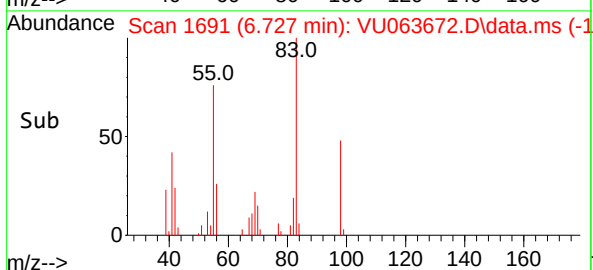
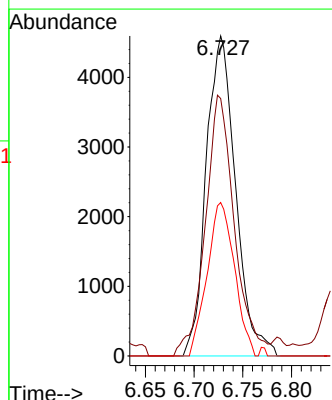
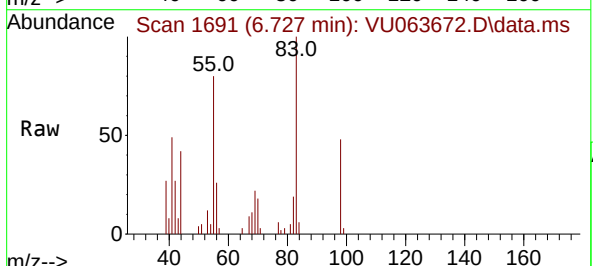
Delta R.T. 0.003 min

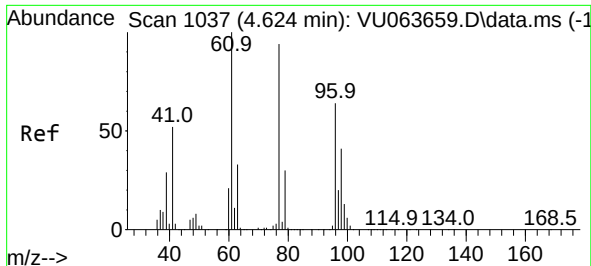
Lab File: VU063672.D

Acq: 05 Nov 2025 14:57

Tgt Ion: 83 Resp: 9631

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 75.4  | 61.5  | 92.3  |
| 98  | 44.6  | 37.9  | 56.9  |





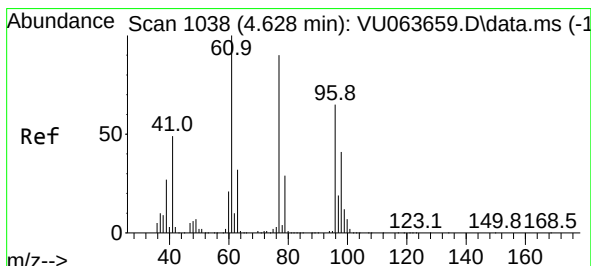
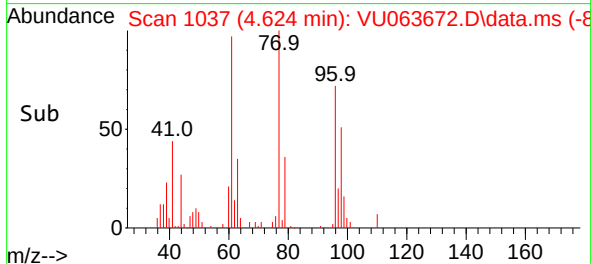
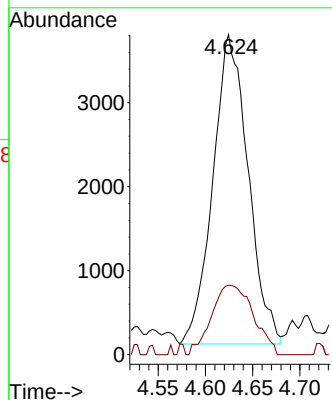
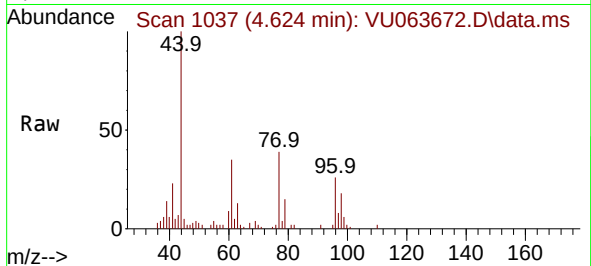
#21  
2,2-Dichloropropane  
Concen: 0.295 ug/l  
RT: 4.624 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 77 Resp: 9530  
Ion Ratio Lower Upper  
77 100  
97 26.6 17.1 25.7

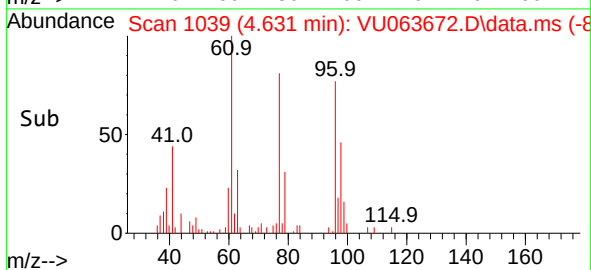
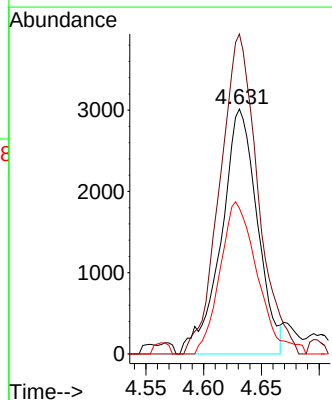
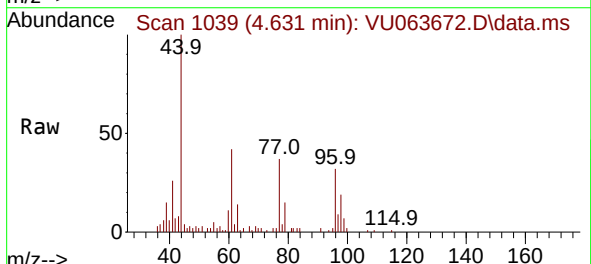
Manual Integrations  
APPROVED

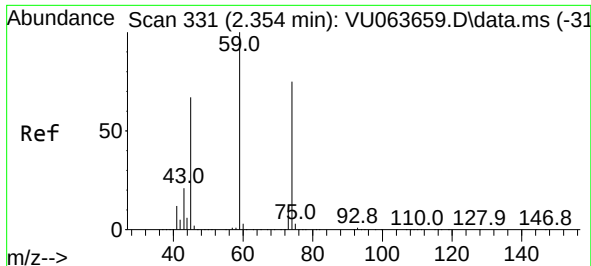
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025



#22  
cis-1,2-Dichloroethene  
Concen: 0.315 ug/l  
RT: 4.631 min Scan# 1039  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

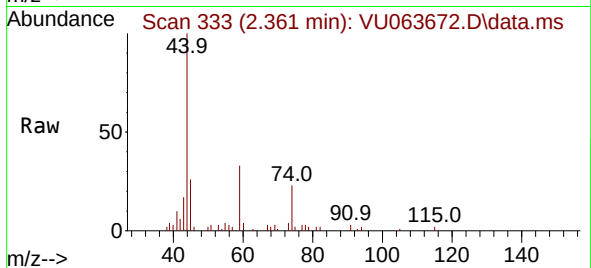
Tgt Ion: 96 Resp: 6520  
Ion Ratio Lower Upper  
96 100  
61 137.8 0.0 385.0  
98 64.6 31.3 93.9





#23  
Diethyl Ether  
Concen: 0.284 ug/l  
RT: 2.361 min Scan# 311  
Delta R.T. 0.006 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

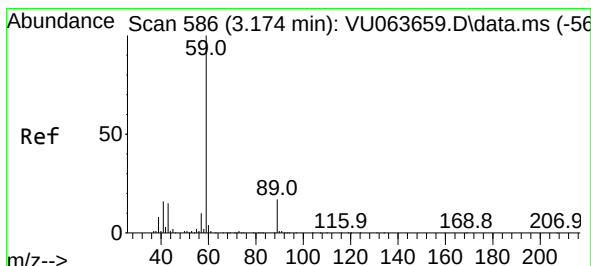
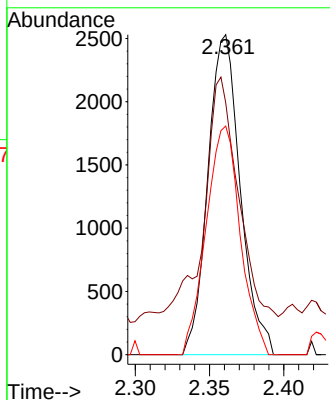
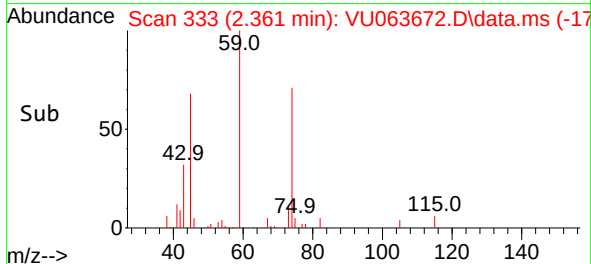
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025



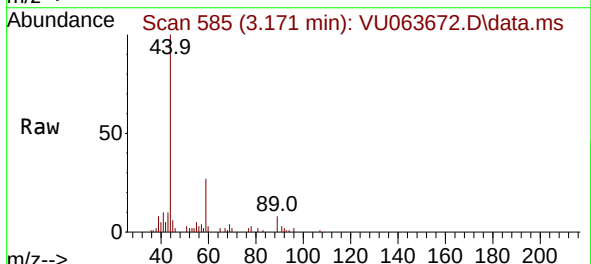
Tgt Ion: 59 Resp: 3838  
Ion Ratio Lower Upper  
59 100  
45 77.9 52.6 78.8  
74 75.4 59.4 89.2

Manual Integrations  
APPROVED

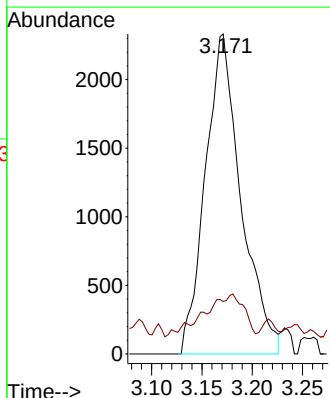
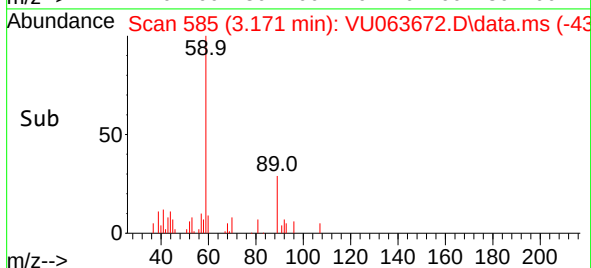
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025

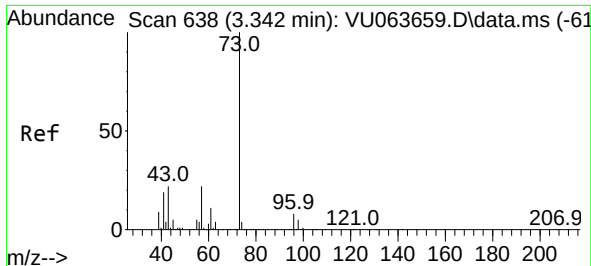


#24  
tert-Butyl Alcohol  
Concen: 2.474 ug/l  
RT: 3.171 min Scan# 585  
Delta R.T. -0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57



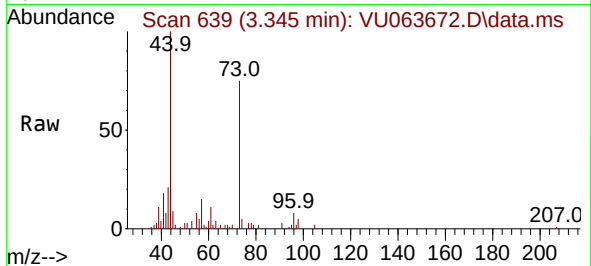
Tgt Ion: 59 Resp: 5757  
Ion Ratio Lower Upper  
59 100  
57 3.9 7.2 10.8#





#25  
Methyl tert-Butyl Ether  
Concen: 0.298 ug/l  
RT: 3.345 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

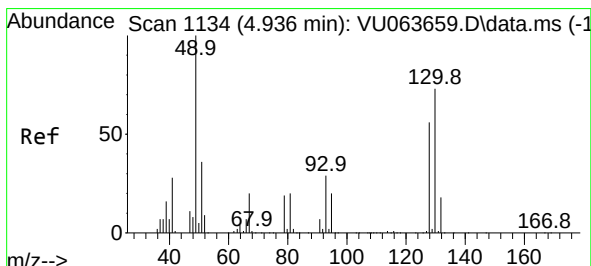
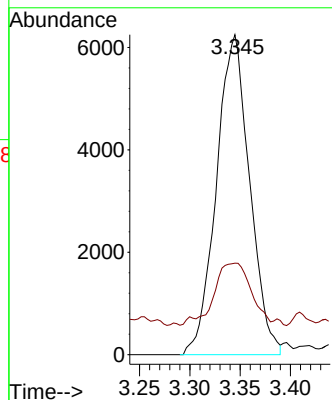
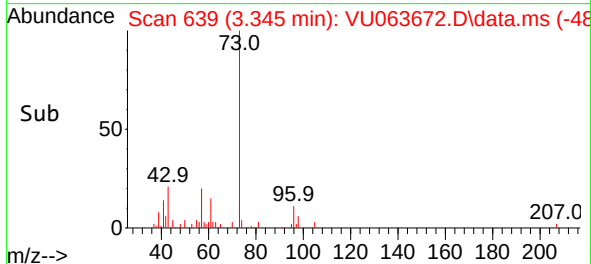
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 73 Resp: 1436  
Ion Ratio Lower Upper  
73 100  
43 21.6 17.4 26.0

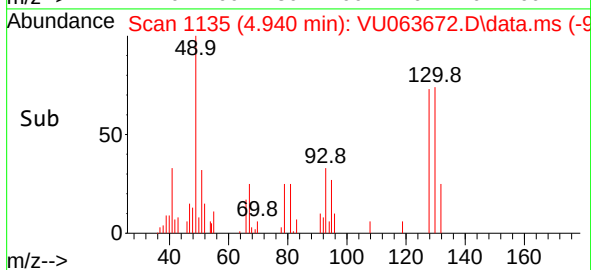
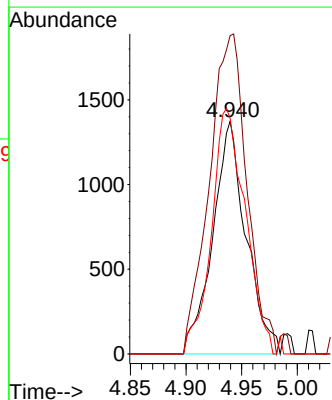
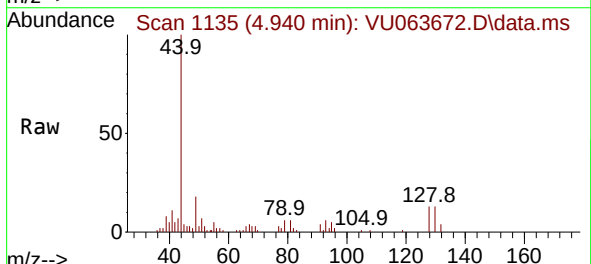
Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025

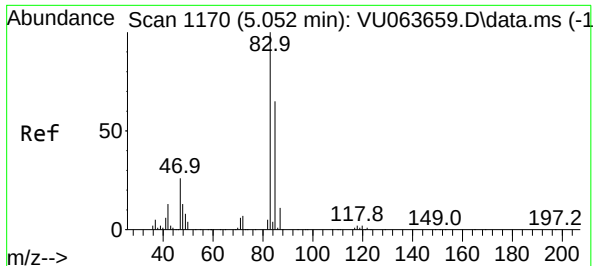


#26  
Bromochloromethane  
Concen: 0.327 ug/l  
RT: 4.940 min Scan# 1135  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

Tgt Ion:128 Resp: 2855  
Ion Ratio Lower Upper  
128 100  
49 155.4 0.0 349.6  
130 107.4 102.7 154.1







#27

Chloroform

Concen: 0.285 ug/l

RT: 5.055 min Scan# 1170

Delta R.T. 0.003 min

Lab File: VU063672.D

Acq: 05 Nov 2025 14:57

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 83 Resp: 10504

Ion Ratio Lower Upper

83 100

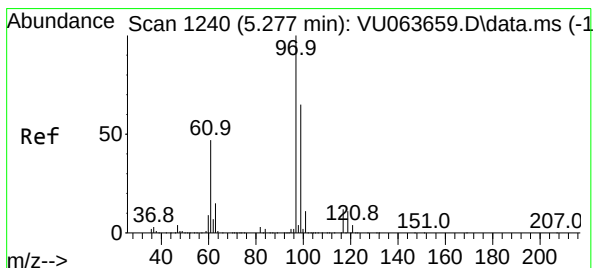
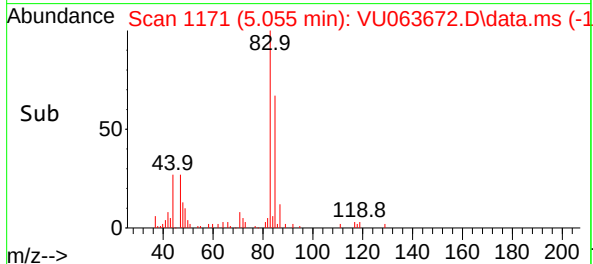
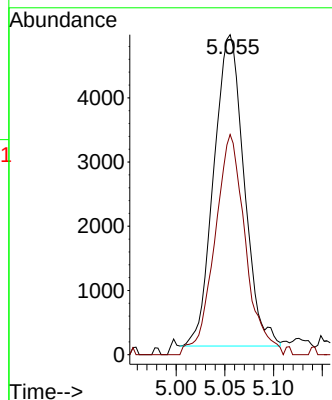
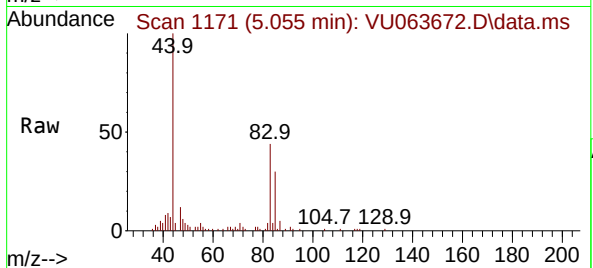
85 70.7 0.0 130.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#28

1,1,1-Trichloroethane

Concen: 0.288 ug/l

RT: 5.277 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VU063672.D

Acq: 05 Nov 2025 14:57

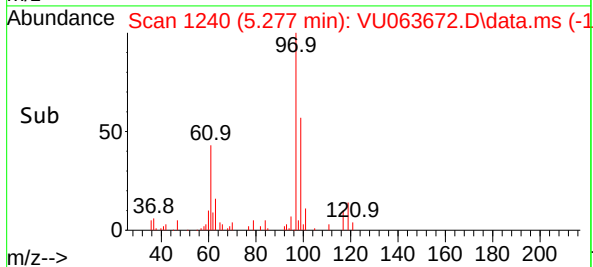
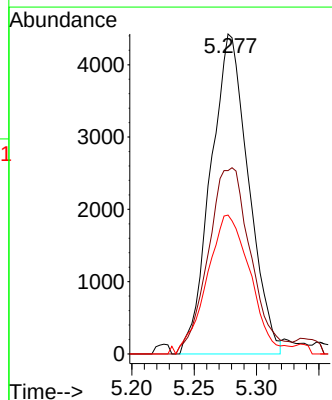
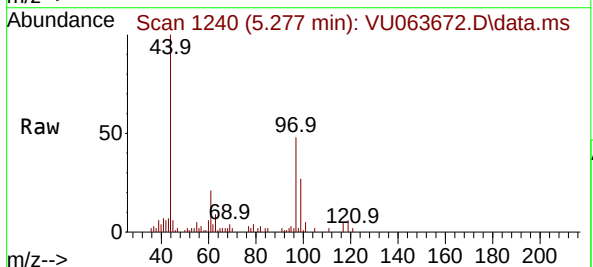
Tgt Ion: 97 Resp: 9362

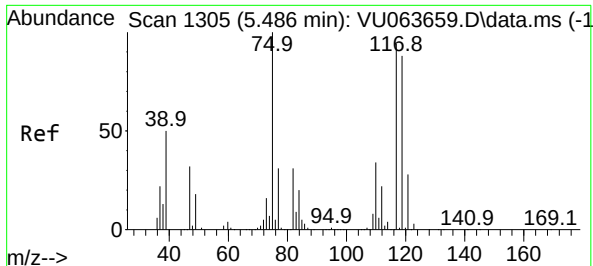
Ion Ratio Lower Upper

97 100

99 65.8 32.3 96.8

61 49.9 23.3 69.8





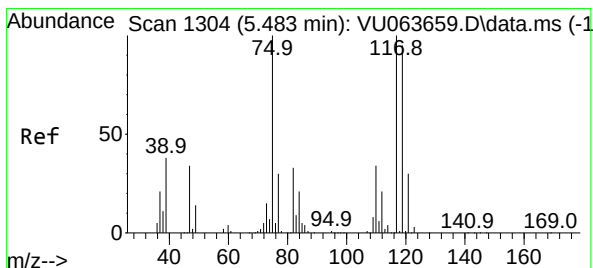
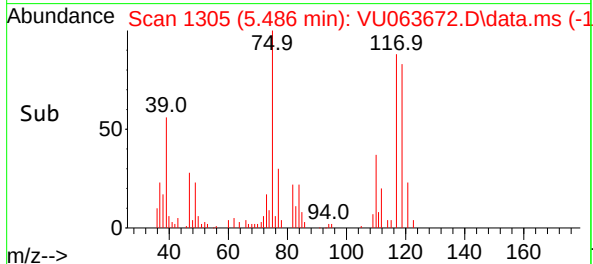
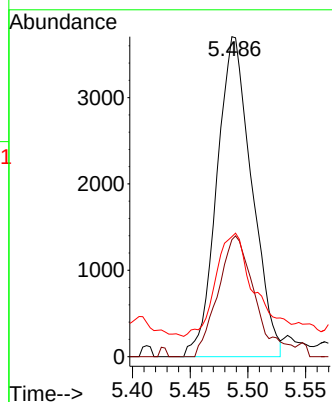
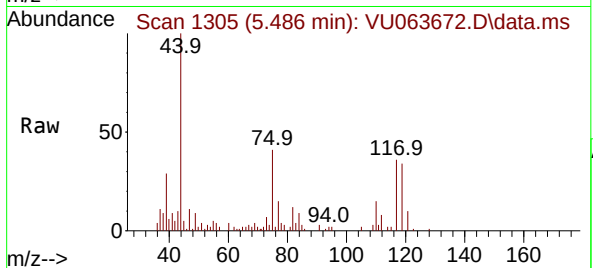
#29  
1,1-Dichloropropene  
Concen: 0.286 ug/l  
RT: 5.486 min Scan# 1106  
Delta R.T. -0.000 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 75 Resp: 7809  
Ion Ratio Lower Upper  
75 100  
110 39.9 17.2 51.5  
77 35.8 24.5 36.7

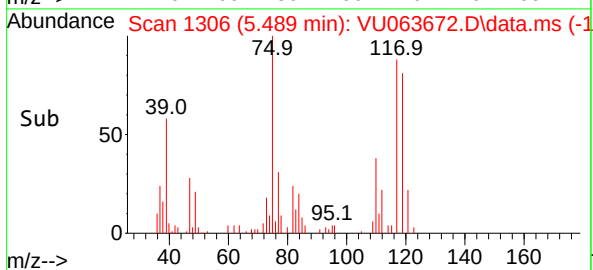
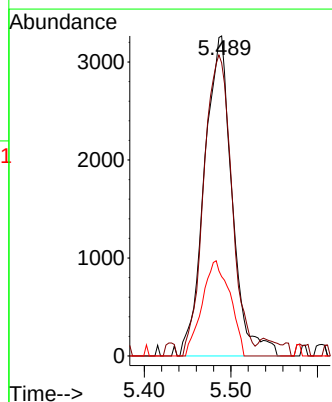
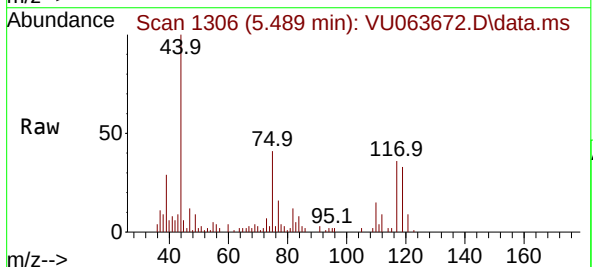
Manual Integrations  
APPROVED

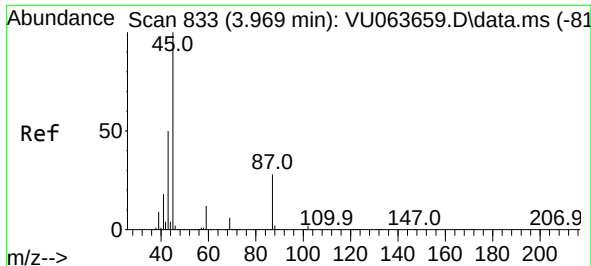
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025



#30  
Carbon Tetrachloride  
Concen: 0.283 ug/l  
RT: 5.489 min Scan# 1306  
Delta R.T. 0.006 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

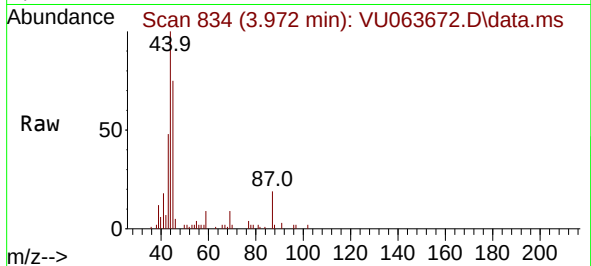
Tgt Ion:117 Resp: 7262  
Ion Ratio Lower Upper  
117 100  
119 91.6 75.7 113.5  
121 24.8 23.8 35.6





#31  
Isopropyl Ether  
Concen: 0.298 ug/l  
RT: 3.972 min Scan# 834  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

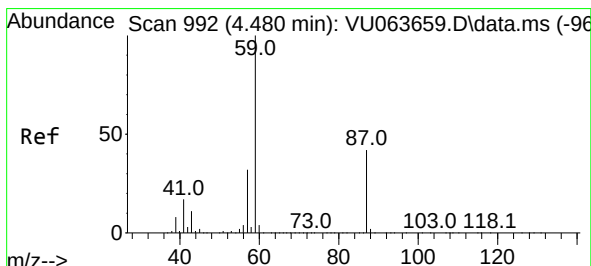
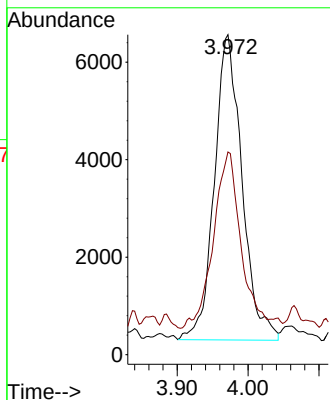
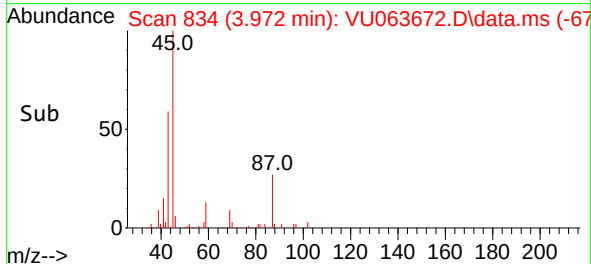
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 45 Resp: 1699  
Ion Ratio Lower Upper  
45 100  
43 56.9 25.3 75.9

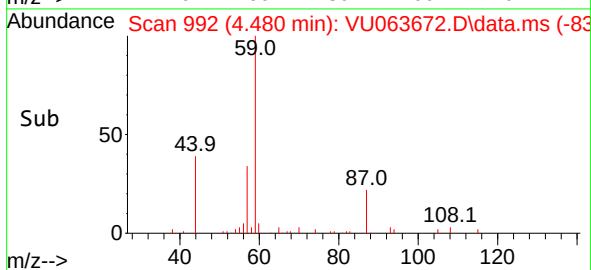
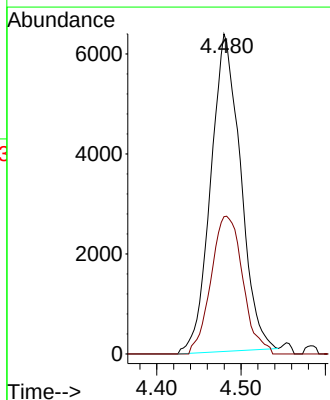
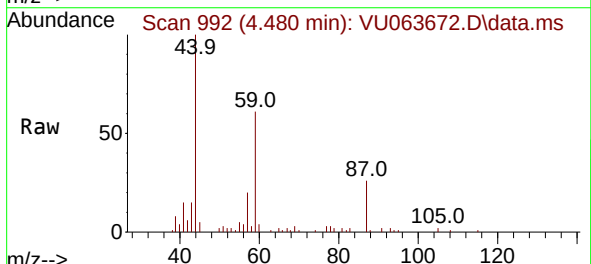
Manual Integrations  
APPROVED

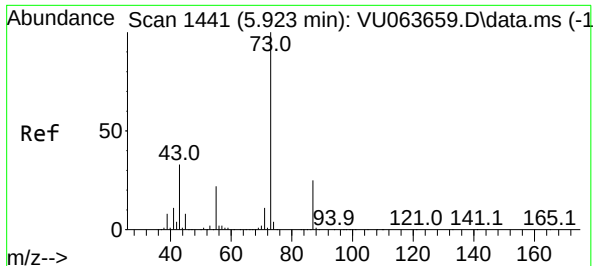
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025



#32  
Ethyl-t-butyl ether  
Concen: 0.284 ug/l  
RT: 4.480 min Scan# 992  
Delta R.T. -0.000 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

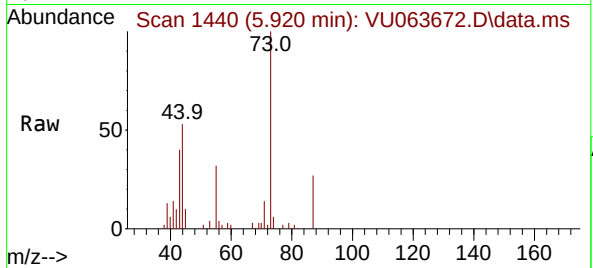
Tgt Ion: 59 Resp: 15603  
Ion Ratio Lower Upper  
59 100  
87 46.2 33.0 49.6





#33  
Tert-Amyl methyl ether  
Concen: 0.297 ug/l  
RT: 5.920 min Scan# 1441  
Delta R.T. -0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

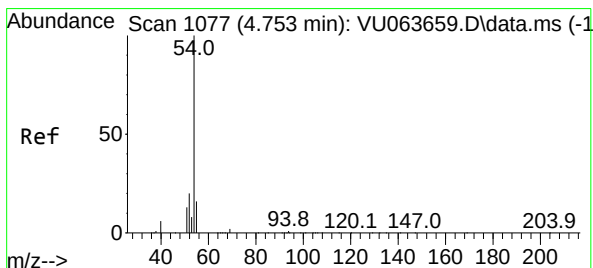
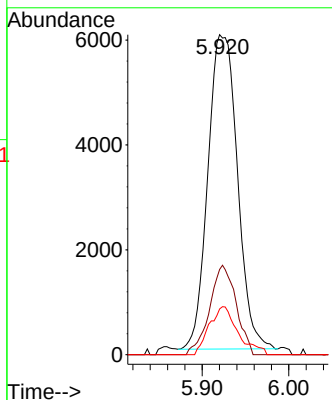
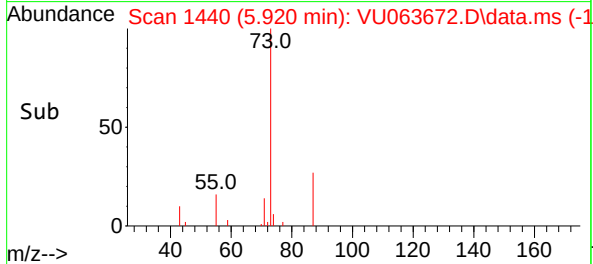
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 73 Resp: 1421  
Ion Ratio Lower Upper  
73 100  
87 25.4 20.0 30.0  
71 14.8 9.0 13.4

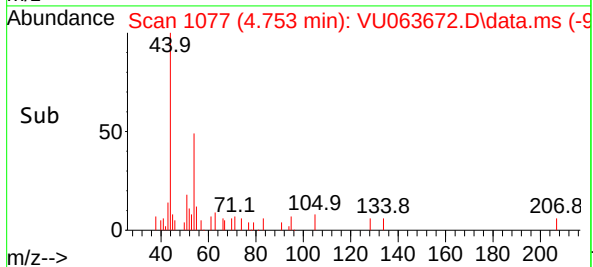
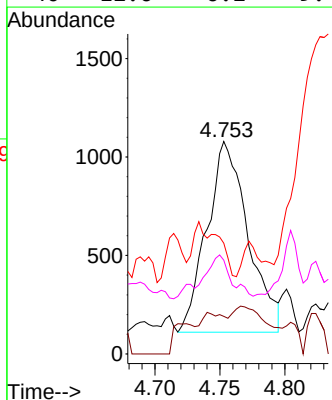
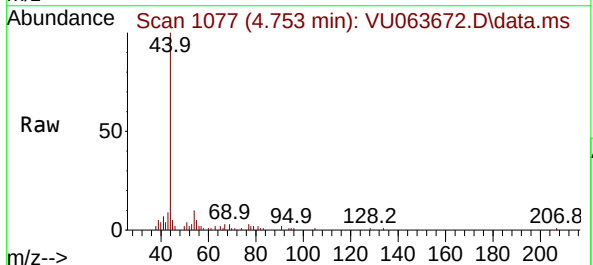
Manual Integrations  
APPROVED

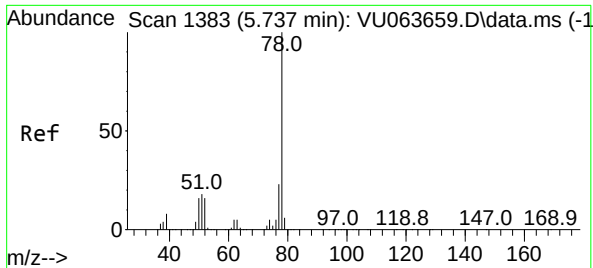
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025



#34  
Propionitrile  
Concen: 1.432 ug/l  
RT: 4.753 min Scan# 1077  
Delta R.T. -0.000 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

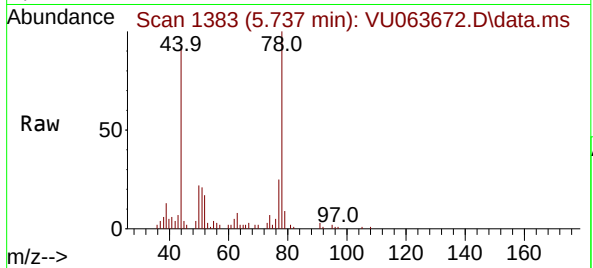
Tgt Ion: 54 Resp: 2137  
Ion Ratio Lower Upper  
54 100  
52 10.4 15.8 23.6#  
55 8.1 11.3 16.9#  
40 12.6 6.2 9.4#





#35  
Benzene  
Concen: 0.286 ug/l  
RT: 5.737 min Scan# 1383  
Delta R.T. -0.000 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

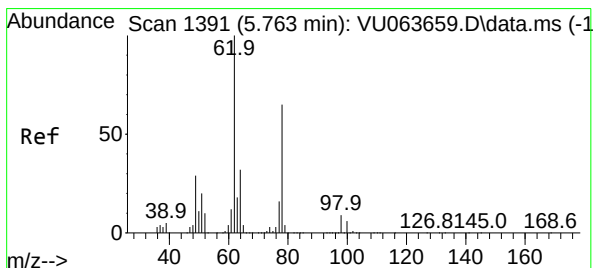
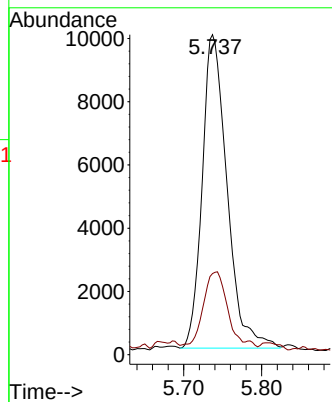
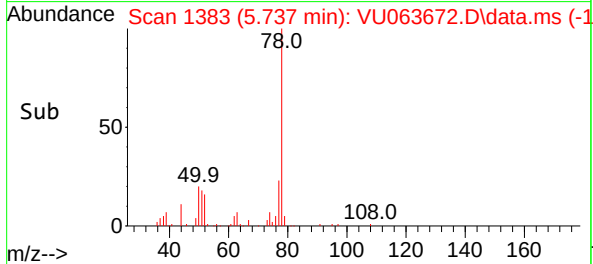
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



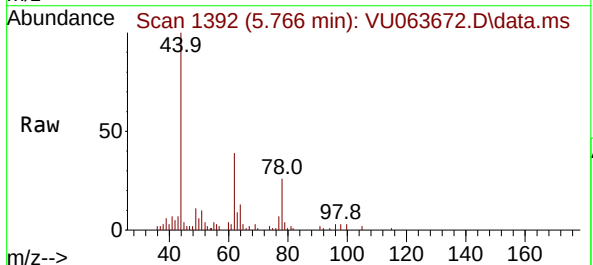
Tgt Ion: 78 Resp: 21979  
Ion Ratio Lower Upper  
78 100  
77 22.9 18.3 27.5

Manual Integrations  
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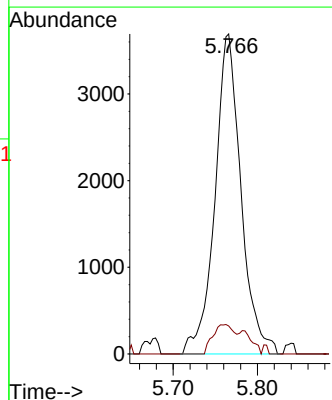
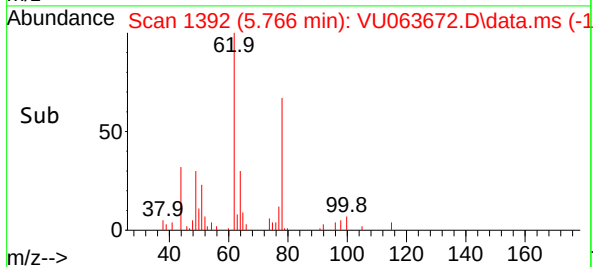
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025

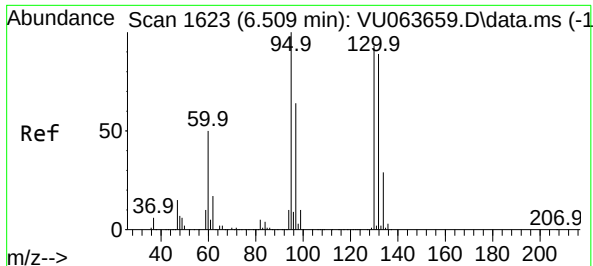


#36  
1,2-Dichloroethane  
Concen: 0.321 ug/l  
RT: 5.766 min Scan# 1392  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57



Tgt Ion: 62 Resp: 7913  
Ion Ratio Lower Upper  
62 100  
98 7.6 6.8 10.2





#37

Trichloroethene

Concen: 0.295 ug/l

RT: 6.515 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU063672.D

Acq: 05 Nov 2025 14:57

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

Tgt Ion:130 Resp: 645

Ion Ratio Lower Upper

130 100

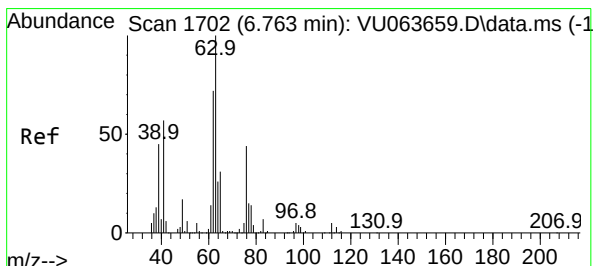
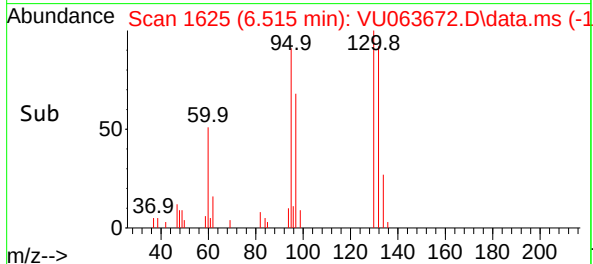
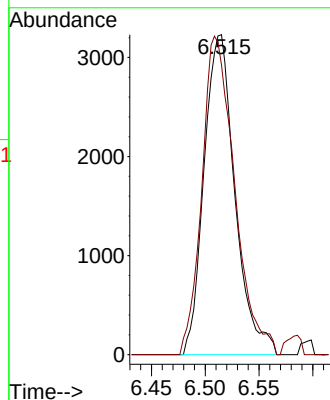
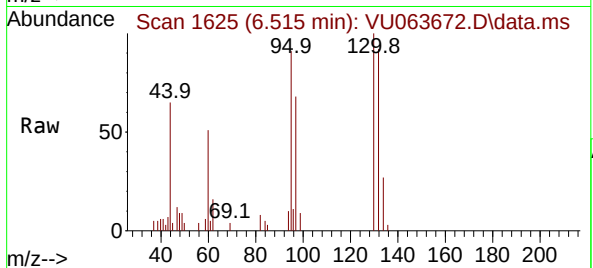
95 90.6 86.0 129.0

Manual Integrations

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Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#38

1,2-Dichloropropane

Concen: 0.270 ug/l

RT: 6.766 min Scan# 1703

Delta R.T. 0.003 min

Lab File: VU063672.D

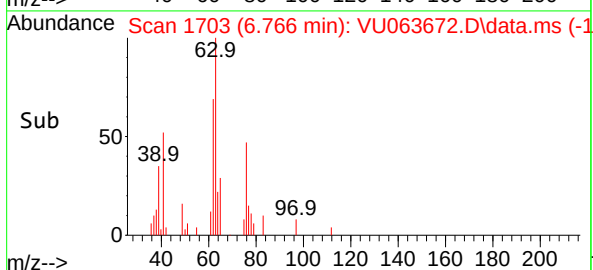
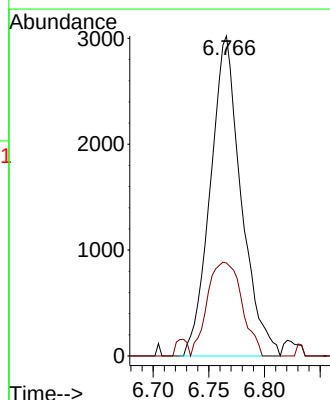
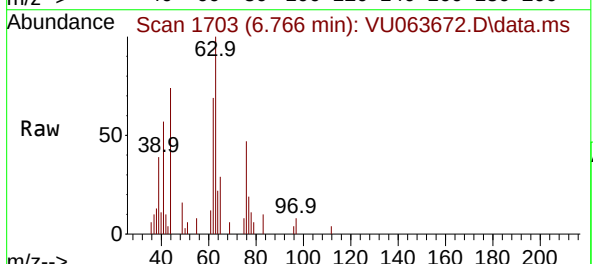
Acq: 05 Nov 2025 14:57

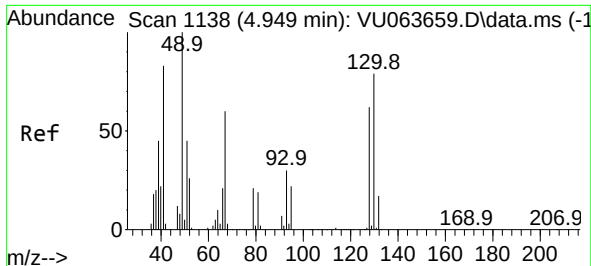
Tgt Ion: 63 Resp: 5810

Ion Ratio Lower Upper

63 100

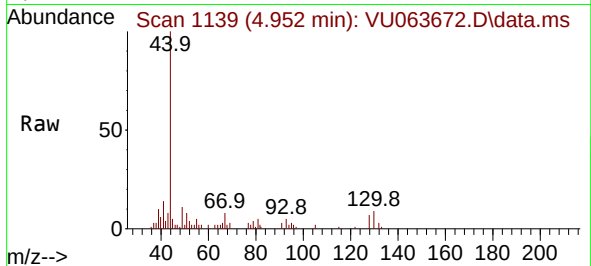
65 29.0 24.5 36.7





#39  
Methacrylonitrile  
Concen: 0.296 ug/l  
RT: 4.952 min Scan# 1102  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

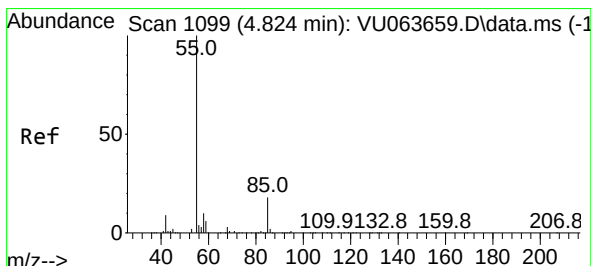
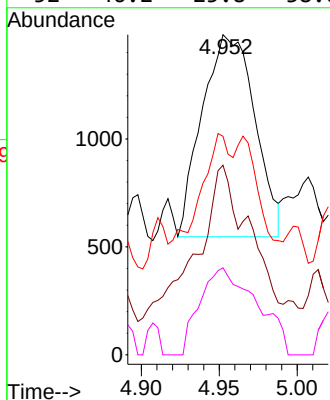
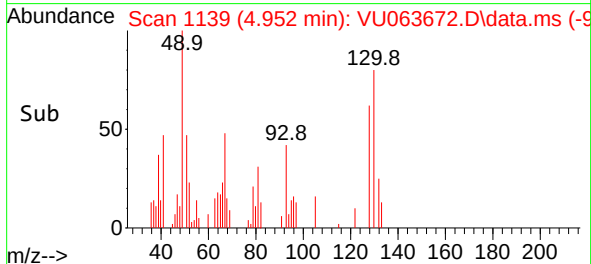
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025



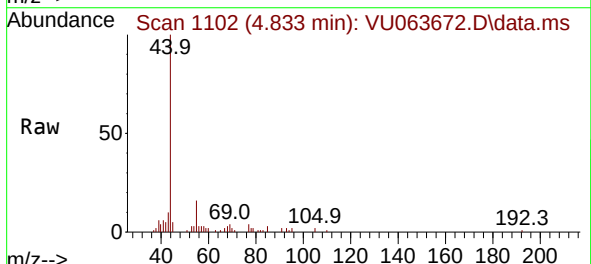
| Tgt Ion: | 41    | Resp: | 220   |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 67       | 77.7  | 61.4  | 92.2  |
| 39       | 27.5  | 46.5  | 69.7  |
| 52       | 46.2  | 25.8  | 38.6  |

Manual Integrations  
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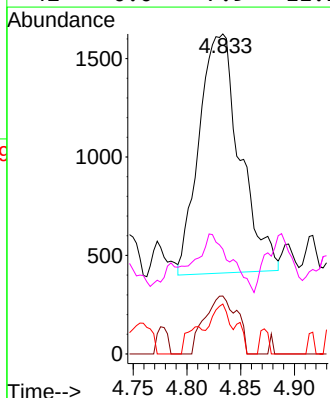
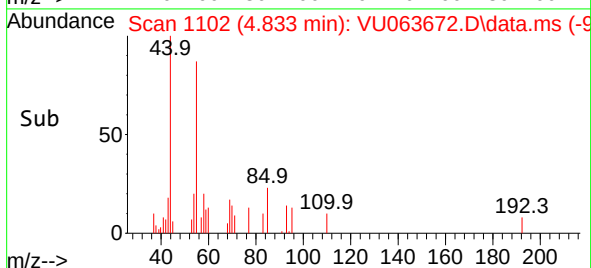
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025

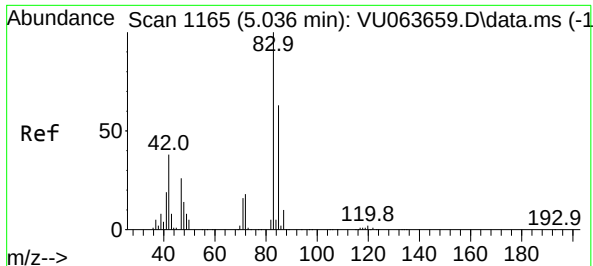


#40  
Methyl acrylate  
Concen: 0.298 ug/l  
RT: 4.833 min Scan# 1102  
Delta R.T. 0.010 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57



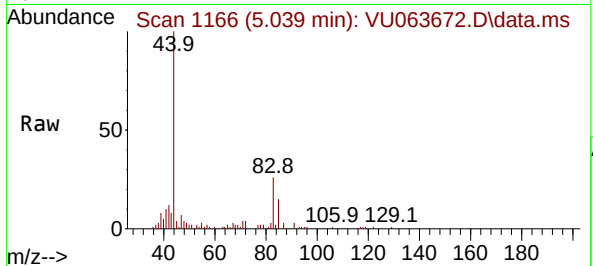
| Tgt Ion: | 55    | Resp: | 3213  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 55       | 100   |       |       |
| 85       | 19.1  | 15.3  | 22.9  |
| 58       | 4.1   | 7.7   | 11.5  |
| 42       | 0.0   | 7.9   | 11.9  |





#41  
Tetrahydrofuran  
Concen: 0.923 ug/l  
RT: 5.039 min Scan# 1165  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

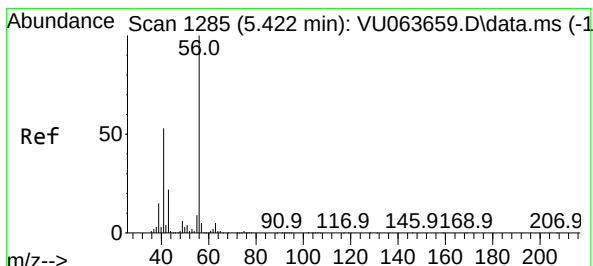
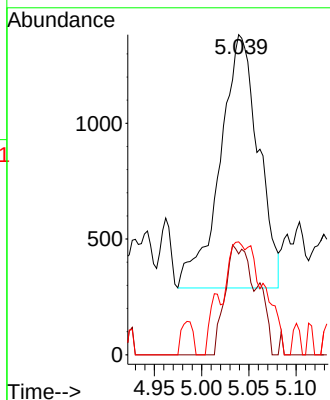
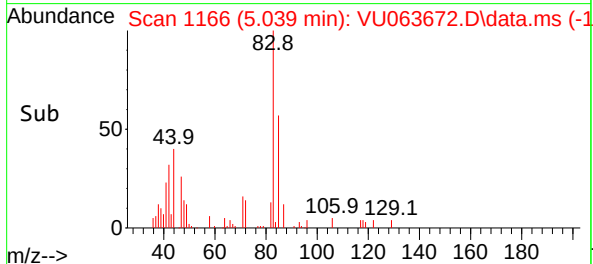
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025



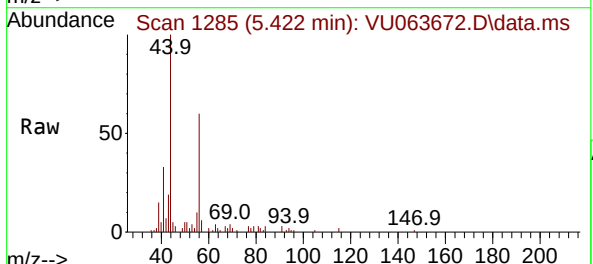
Tgt Ion: 42 Resp: 3084  
Ion Ratio Lower Upper  
42 100  
72 28.0 40.5 60.7  
71 42.5 35.0 52.6

Manual Integrations  
APPROVED

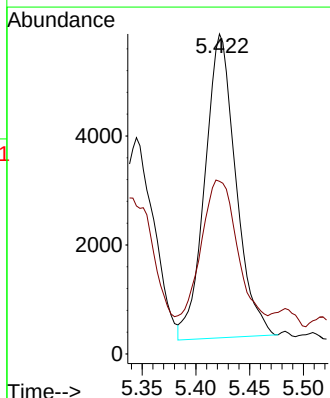
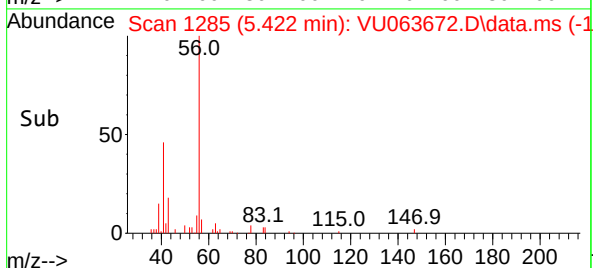
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025



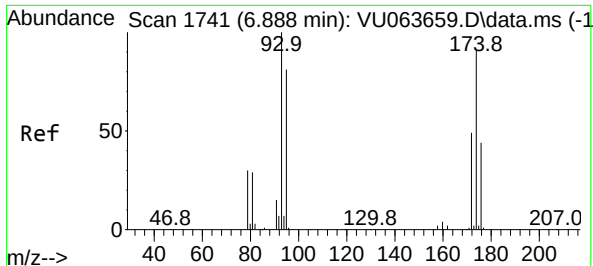
#42  
1-Chlorobutane  
Concen: 0.305 ug/l  
RT: 5.422 min Scan# 1285  
Delta R.T. -0.000 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57



Tgt Ion: 56 Resp: 11148  
Ion Ratio Lower Upper  
56 100  
41 50.4 25.9 77.6

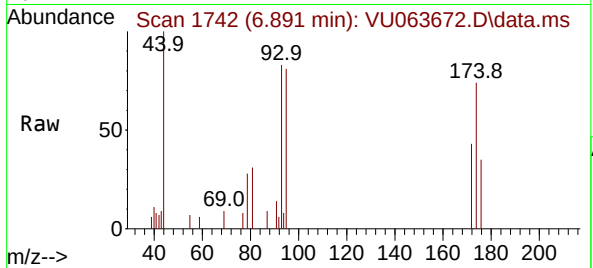






#43  
Dibromomethane  
Concen: 0.266 ug/l  
RT: 6.891 min Scan# 1742  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

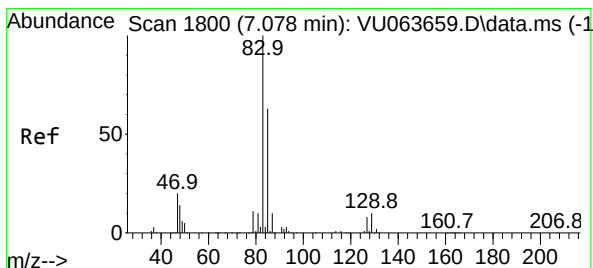
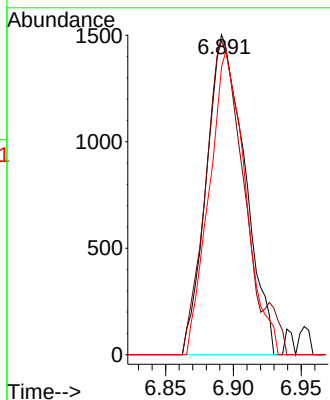
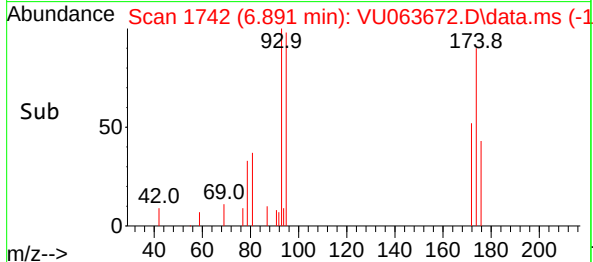
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025



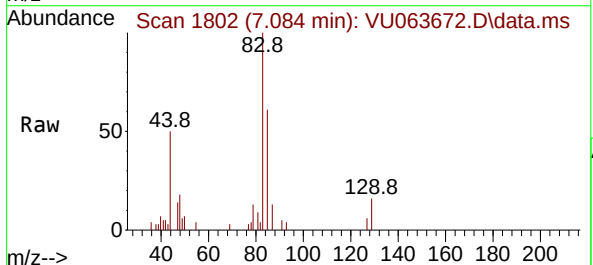
Tgt Ion: 93 Resp: 296  
Ion Ratio Lower Upper  
93 100  
95 94.7 64.6 97.0  
174 89.0 73.8 110.8

Manual Integrations  
APPROVED

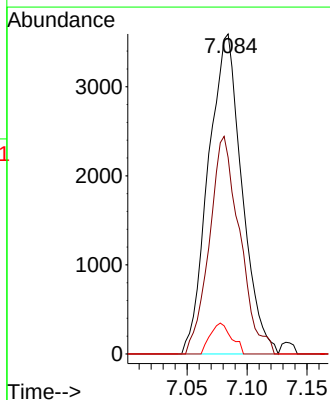
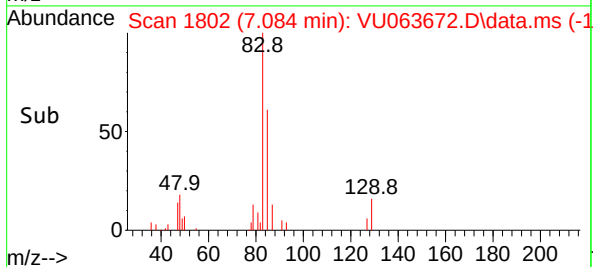
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025

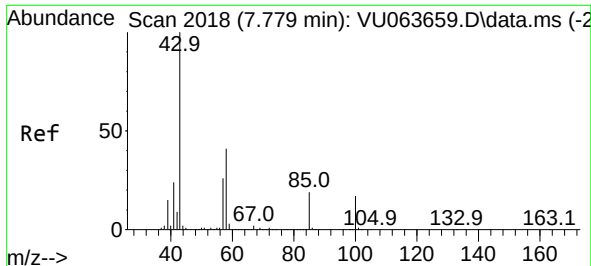


#44  
Bromodichloromethane  
Concen: 0.257 ug/l  
RT: 7.084 min Scan# 1802  
Delta R.T. 0.006 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57



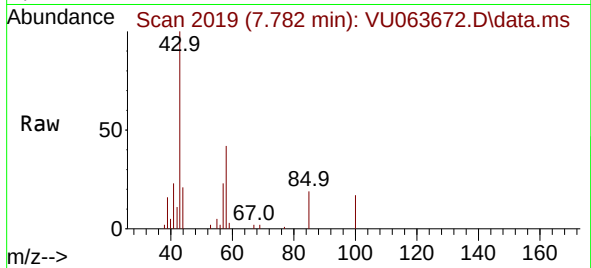
Tgt Ion: 83 Resp: 6982  
Ion Ratio Lower Upper  
83 100  
85 61.4 50.5 75.7  
127 6.5 6.4 9.6





#45  
4-Methyl-2-Pentanone  
Concen: 1.258 ug/l  
RT: 7.782 min Scan# 2018  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

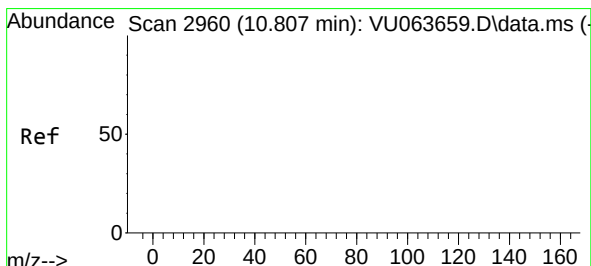
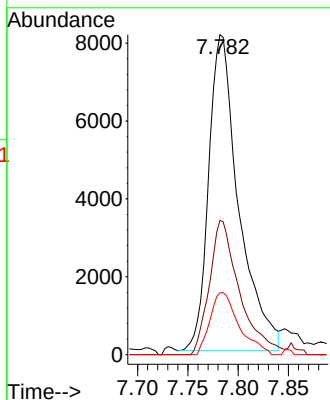
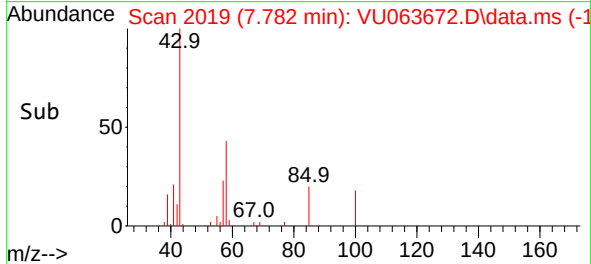
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 43 Resp: 1687  
Ion Ratio Lower Upper  
43 100  
58 42.6 20.2 60.5  
85 18.9 15.0 22.6

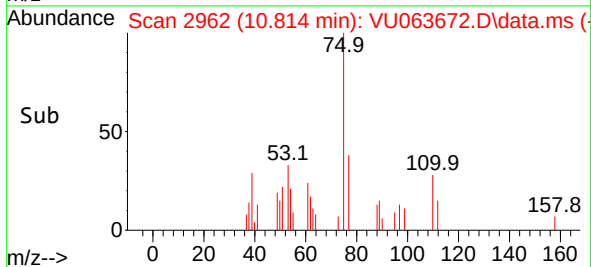
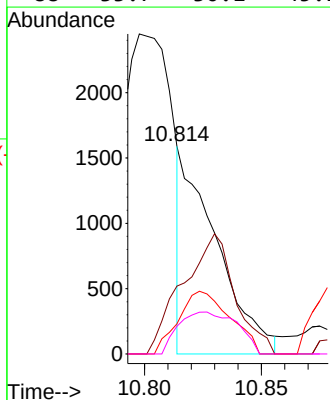
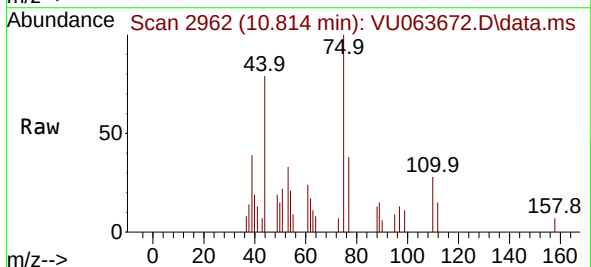
Manual Integrations  
APPROVED

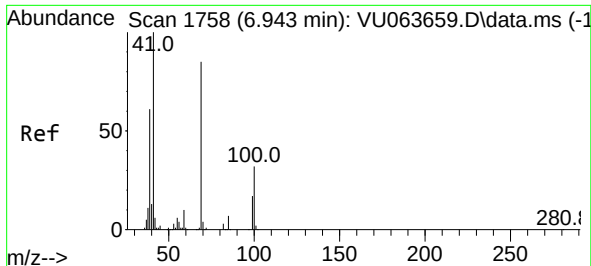
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025



#46  
t-1,4-Dichloro-2-butene  
Concen: 0.359 ug/l m  
RT: 10.814 min Scan# 2962  
Delta R.T. 0.006 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

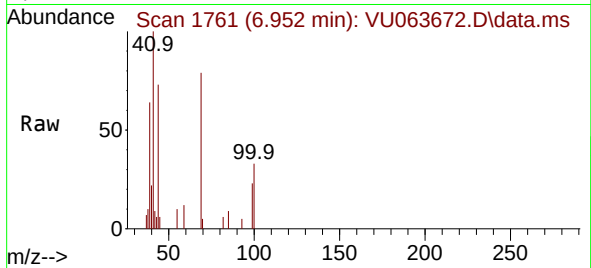
Tgt Ion: 75 Resp: 1669  
Ion Ratio Lower Upper  
75 100  
53 85.8 57.2 85.8  
89 44.3 37.9 56.9  
88 33.7 30.1 45.1





#47  
Methyl methacrylate  
Concen: 0.528 ug/l  
RT: 6.952 min Scan# 1761  
Delta R.T. 0.010 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

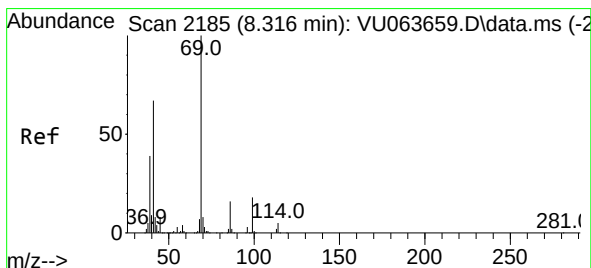
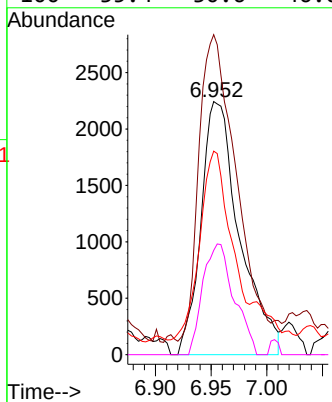
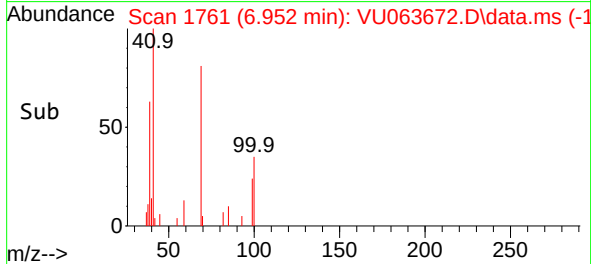
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025



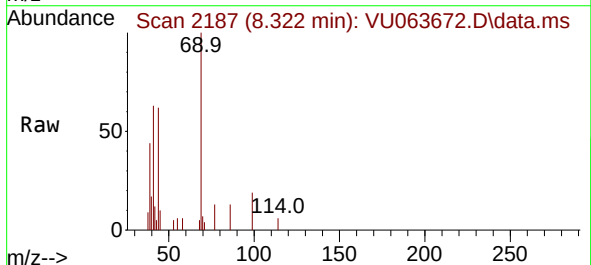
Tgt Ion: 69 Resp: 5409  
Ion Ratio Lower Upper  
69 100  
41 115.2 0.0 228.2  
39 60.0 56.2 84.4  
100 35.4 30.6 46.0

Manual Integrations  
APPROVED

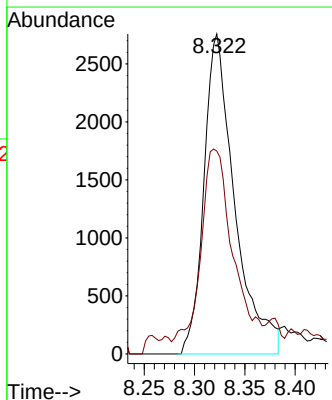
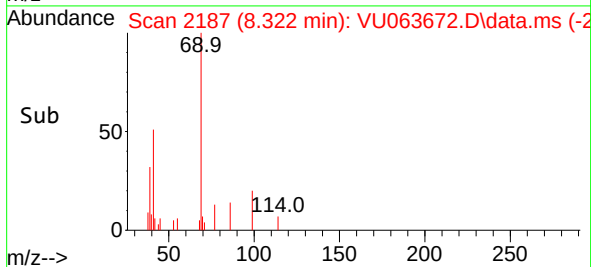
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025

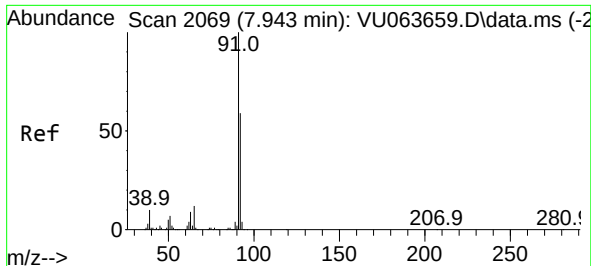


#48  
Ethyl methacrylate  
Concen: 0.282 ug/l  
RT: 8.322 min Scan# 2187  
Delta R.T. 0.006 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57



Tgt Ion: 69 Resp: 5867  
Ion Ratio Lower Upper  
69 100  
41 63.3 32.8 98.3





#49

Toluene

Concen: 0.281 ug/l

RT: 7.946 min Scan# 2069

Delta R.T. 0.003 min

Lab File: VU063672.D

Acq: 05 Nov 2025 14:57

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 92 Resp: 14554

Ion Ratio Lower Upper

92 100

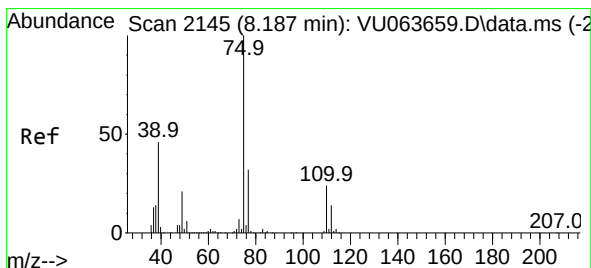
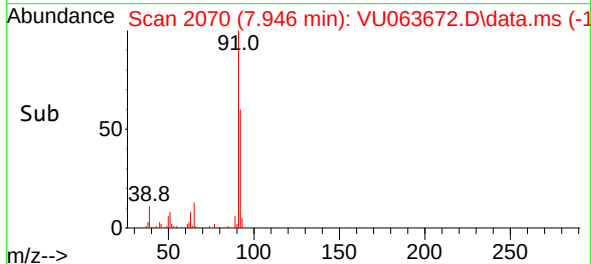
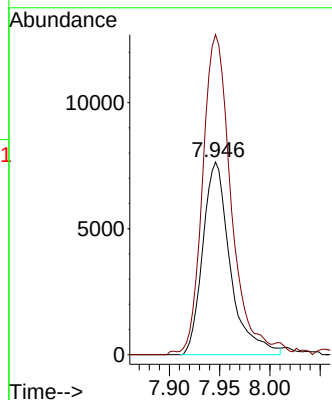
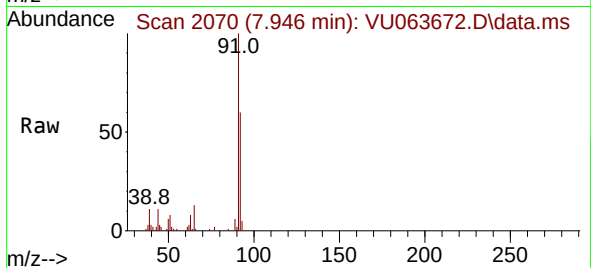
91 170.6 136.8 205.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#50

t-1,3-Dichloropropene

Concen: 0.244 ug/l

RT: 8.190 min Scan# 2146

Delta R.T. 0.003 min

Lab File: VU063672.D

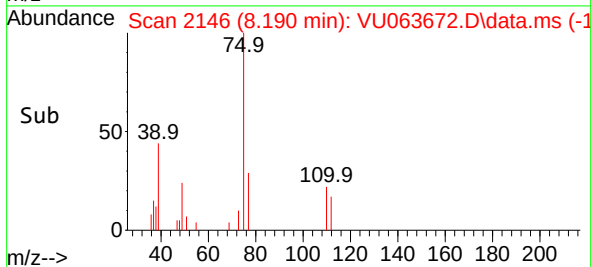
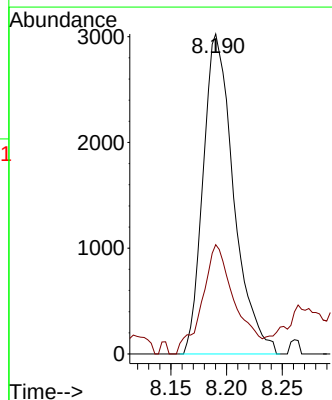
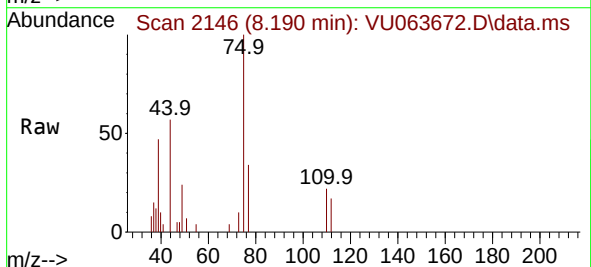
Acq: 05 Nov 2025 14:57

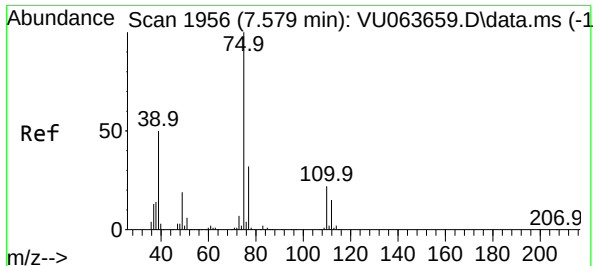
Tgt Ion: 75 Resp: 5775

Ion Ratio Lower Upper

75 100

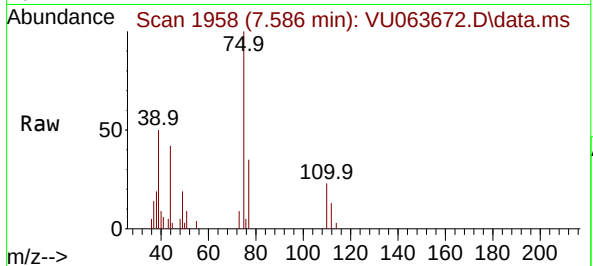
77 30.8 25.8 38.6





#51  
cis-1,3-Dichloropropene  
Concen: 0.253 ug/l  
RT: 7.586 min Scan# 1956  
Delta R.T. 0.006 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

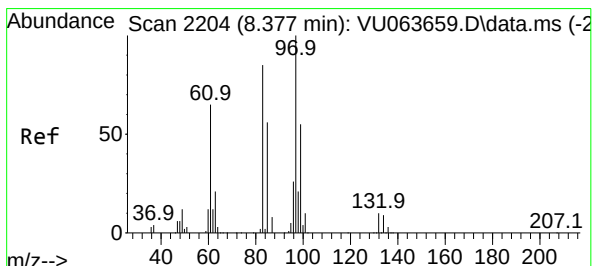
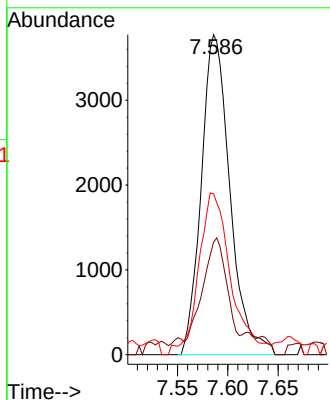
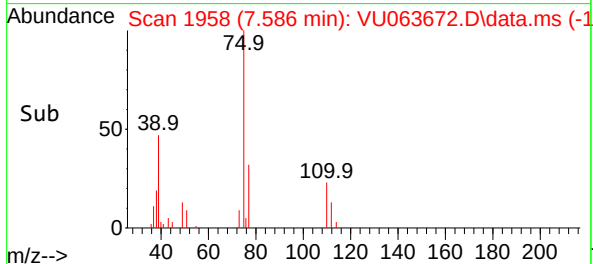
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 75 Resp: 7490  
Ion Ratio Lower Upper  
75 100  
77 35.1 25.5 38.3  
39 47.7 39.9 59.9

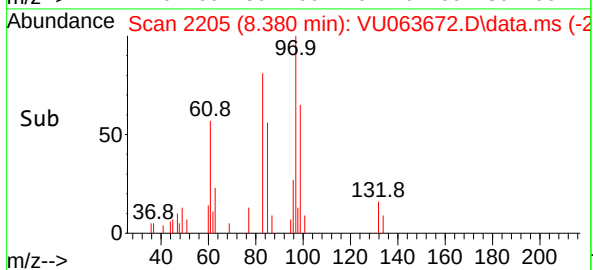
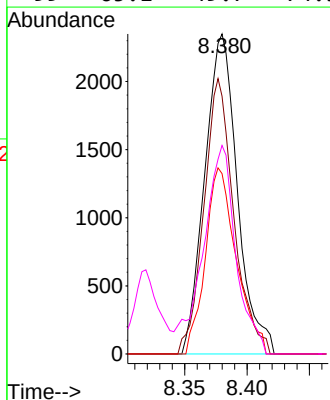
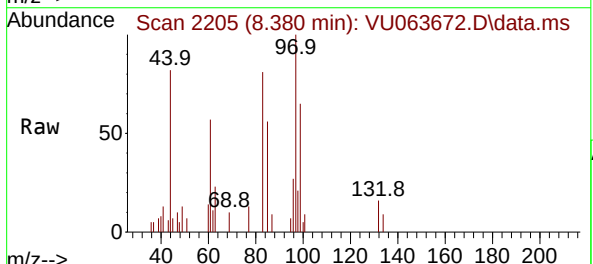
Manual Integrations  
APPROVED

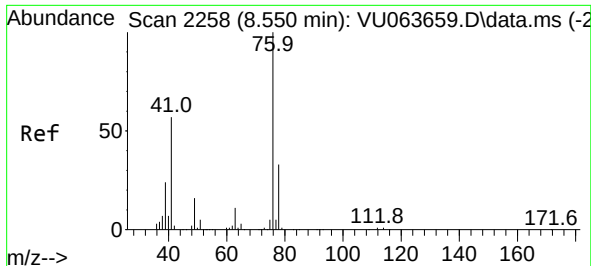
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025



#52  
1,1,2-Trichloroethane  
Concen: 0.283 ug/l  
RT: 8.380 min Scan# 2205  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

Tgt Ion: 97 Resp: 4280  
Ion Ratio Lower Upper  
97 100  
83 80.5 68.3 102.5  
85 56.4 45.3 67.9  
99 65.1 49.7 74.5





#53

1,3-Dichloropropane

Concen: 0.275 ug/l

RT: 8.554 min Scan# 2258

Delta R.T. 0.003 min

Lab File: VU063672.D

Acq: 05 Nov 2025 14:57

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 76 Resp: 744

Ion Ratio Lower Upper

76 100

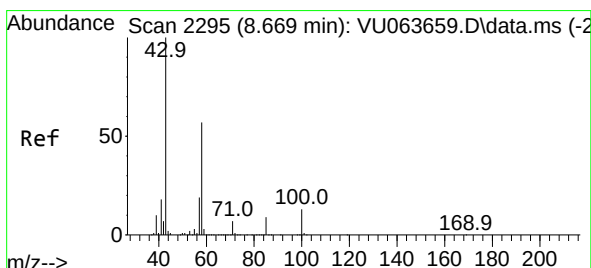
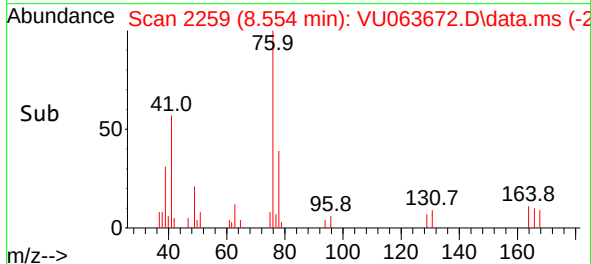
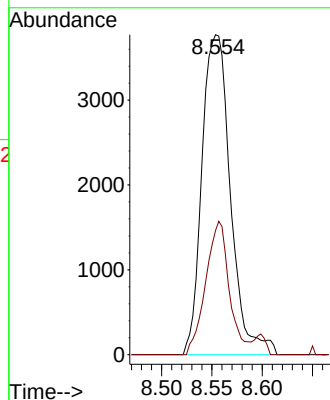
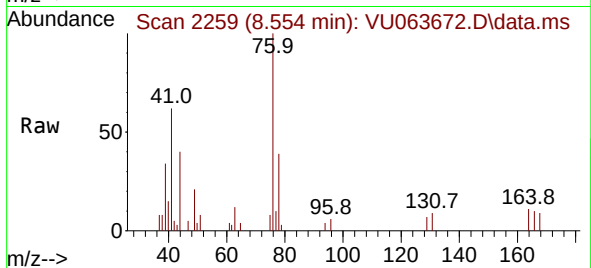
78 34.7 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#54

2-Hexanone

Concen: 1.327 ug/l

RT: 8.682 min Scan# 2299

Delta R.T. 0.013 min

Lab File: VU063672.D

Acq: 05 Nov 2025 14:57

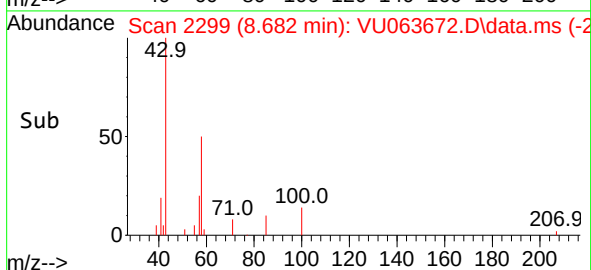
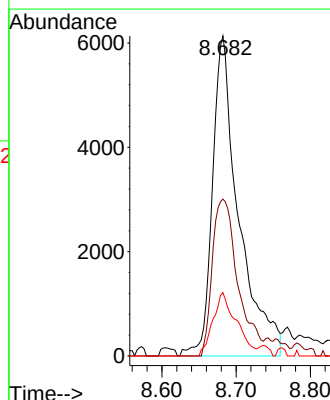
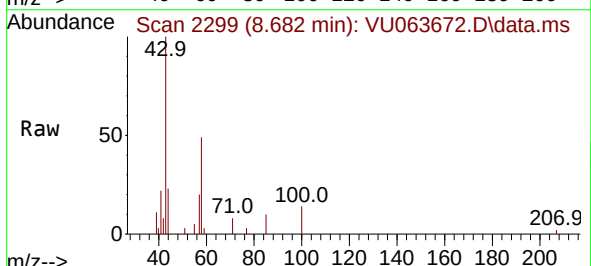
Tgt Ion: 43 Resp: 15033

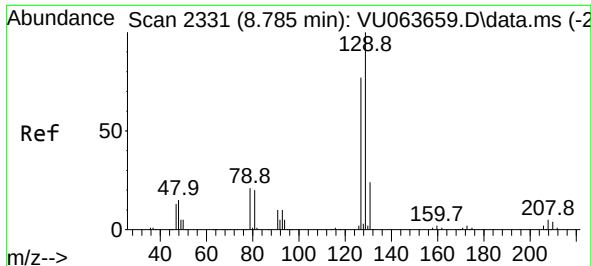
Ion Ratio Lower Upper

43 100

58 47.9 36.3 76.3

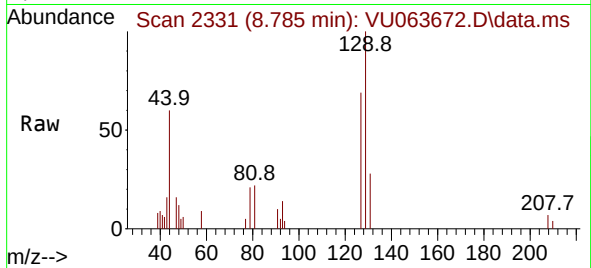
57 17.8 0.0 39.7





#55  
Dibromochloromethane  
Concen: 0.236 ug/l  
RT: 8.785 min Scan# 2331  
Delta R.T. -0.000 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

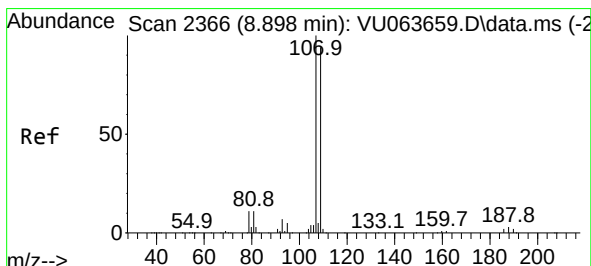
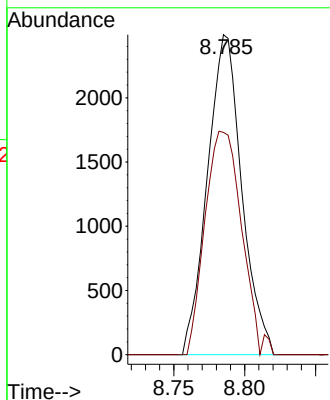
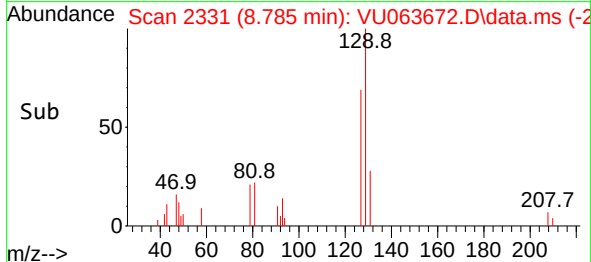
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



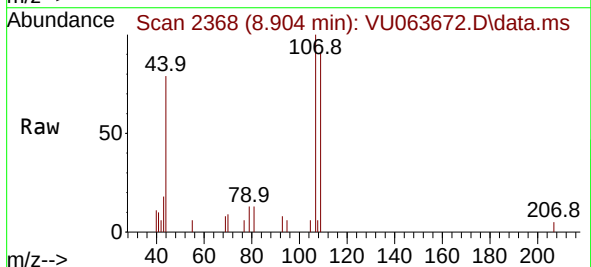
Tgt Ion:129 Resp: 4199  
Ion Ratio Lower Upper  
129 100  
127 74.7 61.4 92.0

Manual Integrations  
APPROVED

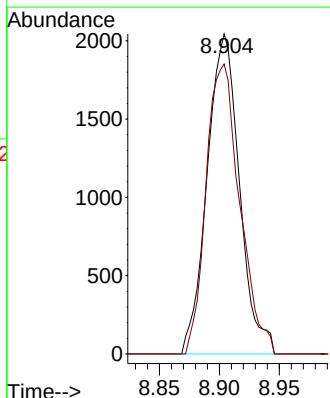
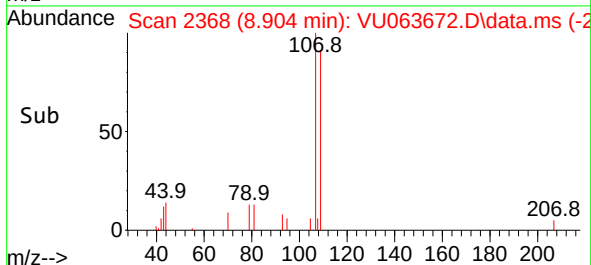
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025

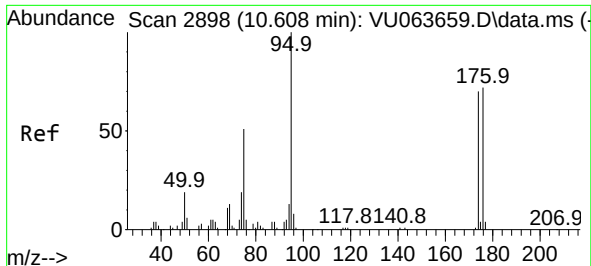


#56  
1,2-Dibromoethane  
Concen: 0.266 ug/l  
RT: 8.904 min Scan# 2368  
Delta R.T. 0.006 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57



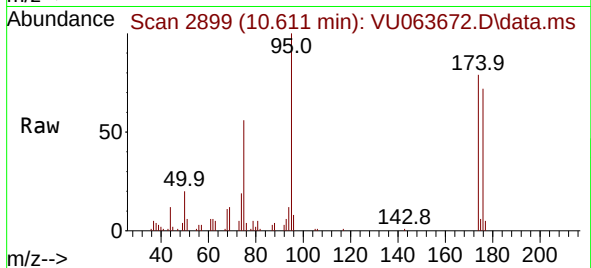
Tgt Ion:107 Resp: 3829  
Ion Ratio Lower Upper  
107 100  
109 94.4 0.0 188.0





#57  
4-Bromofluorobenzene  
Concen: 0.853 ug/l  
RT: 10.611 min Scan# 2899  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

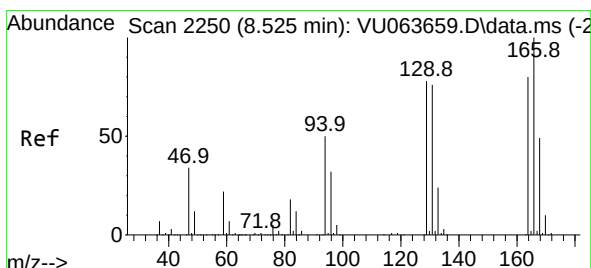
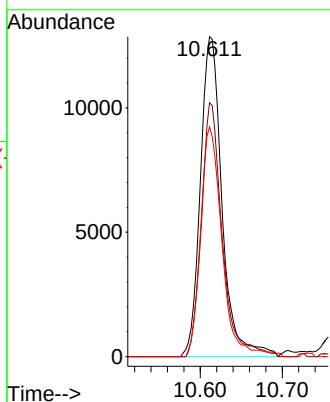
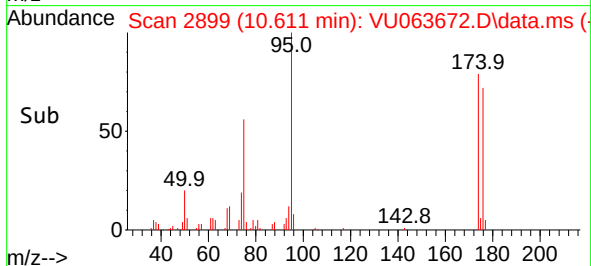
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025



Tgt Ion: 95 Resp: 2357  
Ion Ratio Lower Upper  
95 100  
174 76.3 59.9 89.9  
176 70.5 58.8 88.2

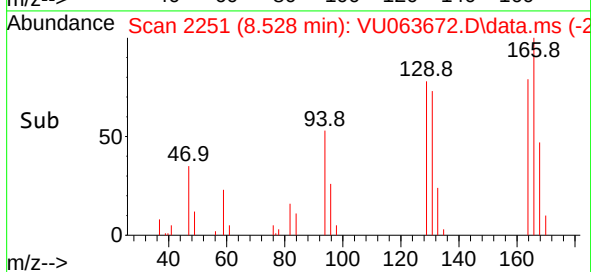
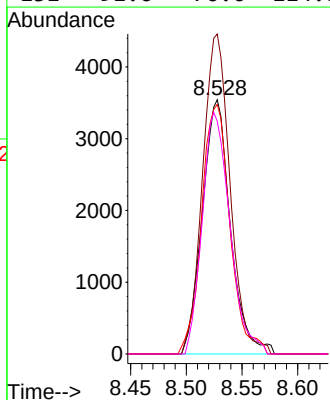
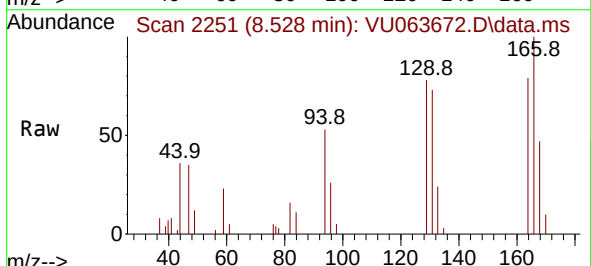
Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025

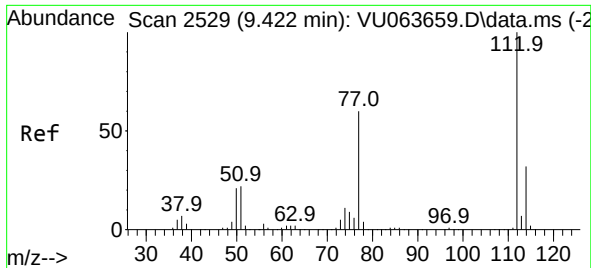


#58  
Tetrachloroethene  
Concen: 0.290 ug/l  
RT: 8.528 min Scan# 2251  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

Tgt Ion:164 Resp: 6223  
Ion Ratio Lower Upper  
164 100  
166 125.9 100.1 150.1  
129 98.2 77.6 116.4  
131 91.6 76.6 114.8

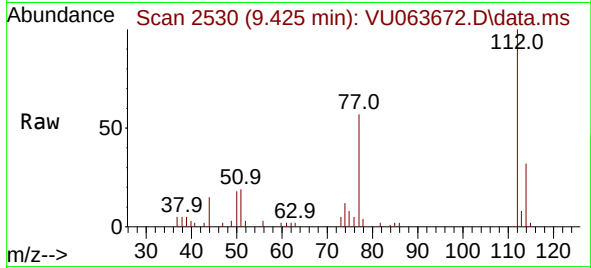






#59  
Chlorobenzene  
Concen: 0.289 ug/l  
RT: 9.425 min Scan# 2530  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

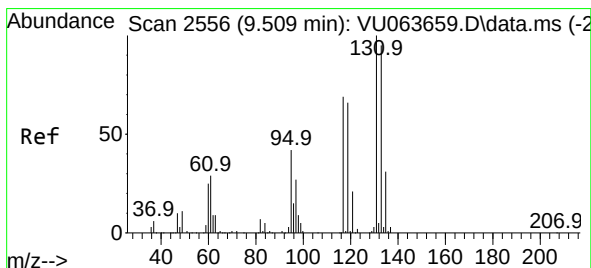
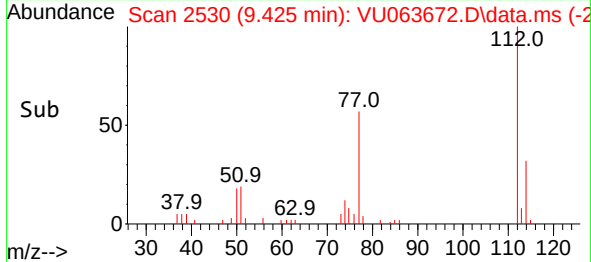
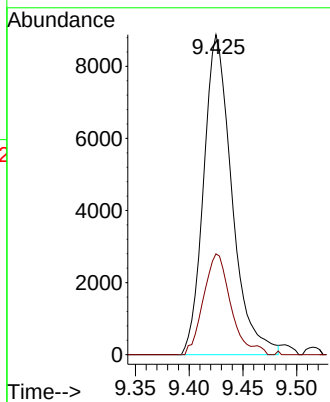
Instrument : MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025



Tgt Ion:112 Resp: 16220  
Ion Ratio Lower Upper  
112 100  
114 31.5 26.0 39.0

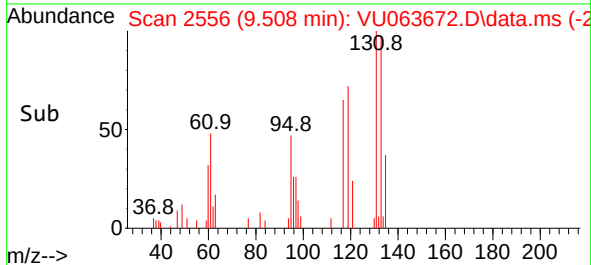
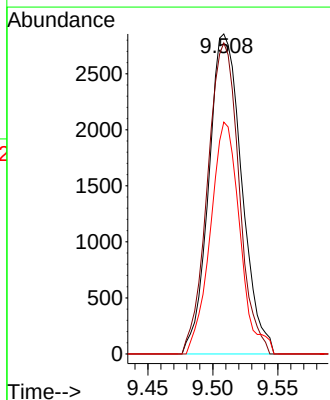
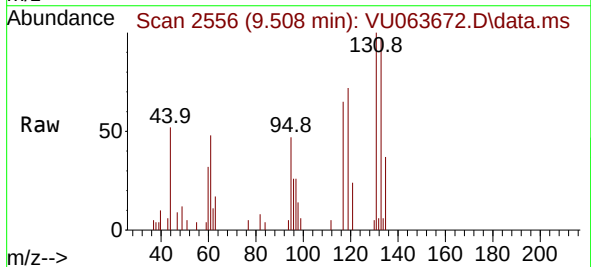
Manual Integrations  
APPROVED

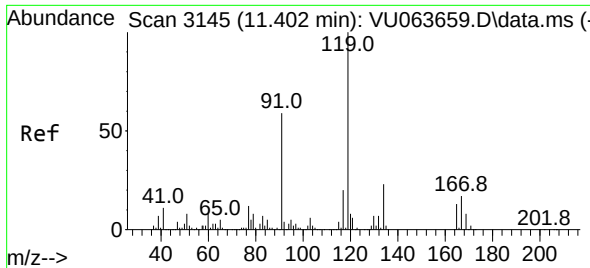
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025



#60  
1,1,1,2-Tetrachloroethane  
Concen: 0.256 ug/l  
RT: 9.508 min Scan# 2556  
Delta R.T. -0.000 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

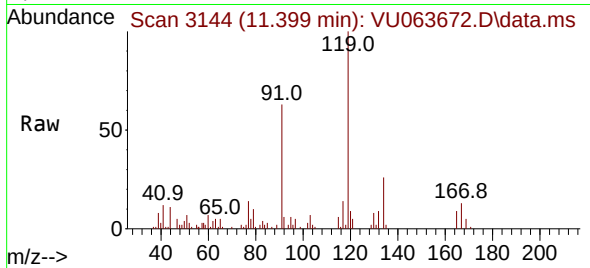
Tgt Ion:131 Resp: 5029  
Ion Ratio Lower Upper  
131 100  
133 92.8 77.0 115.6  
119 64.9 52.8 79.2





#61  
Pentachloroethane  
Concen: 0.223 ug/l  
RT: 11.399 min Scan# 3145  
Delta R.T. -0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

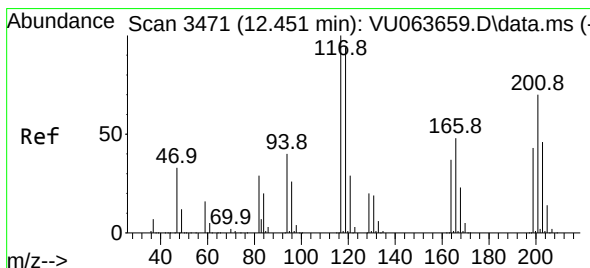
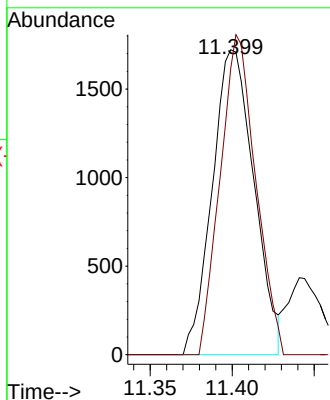
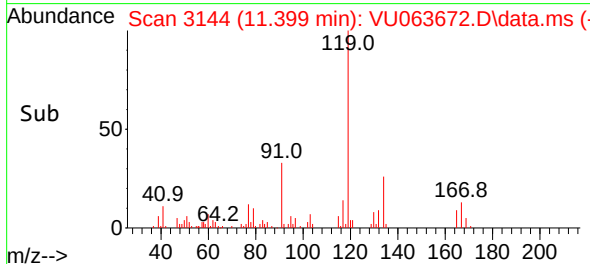
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025



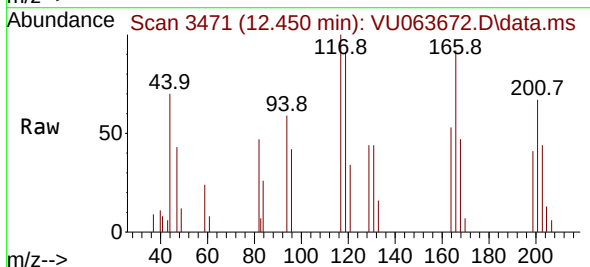
Tgt Ion:117 Resp: 3049  
Ion Ratio Lower Upper  
117 100  
167 89.1 62.8 94.2

Manual Integrations  
APPROVED

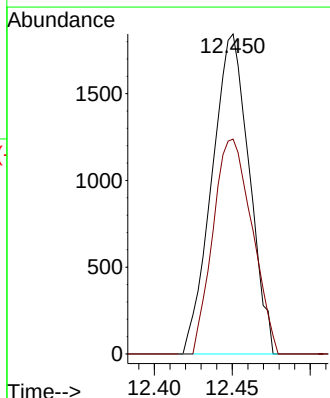
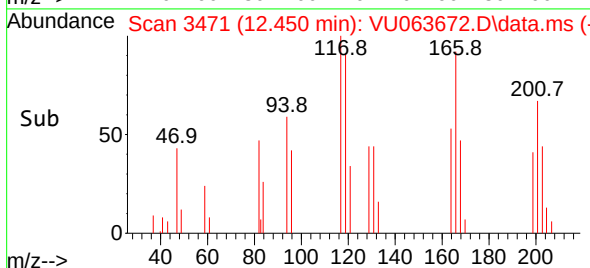
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025

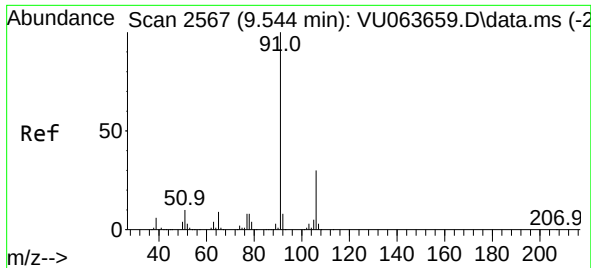


#62  
Hexachloroethane  
Concen: 0.205 ug/l  
RT: 12.450 min Scan# 3471  
Delta R.T. -0.000 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57



Tgt Ion:117 Resp: 3065  
Ion Ratio Lower Upper  
117 100  
201 70.5 56.3 84.5





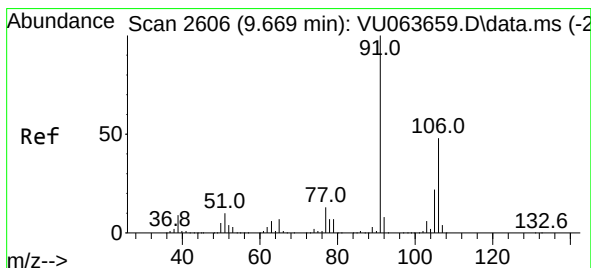
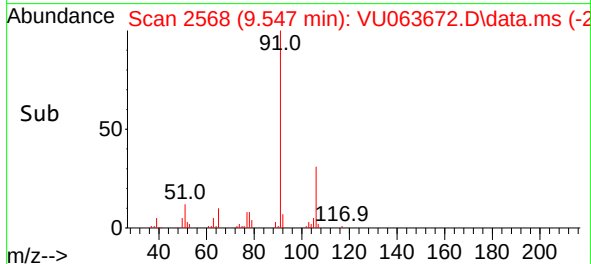
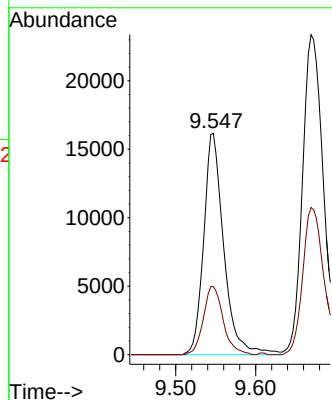
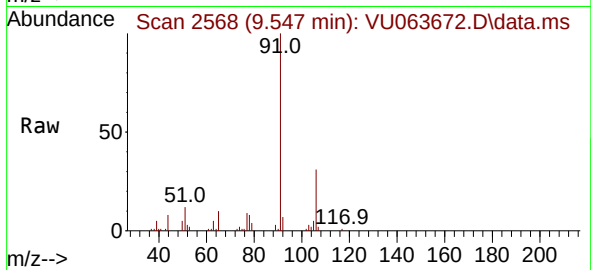
#63  
Ethyl Benzene  
Concen: 0.278 ug/l  
RT: 9.547 min Scan# 2567  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

Tgt Ion: 91 Resp: 28250  
Ion Ratio Lower Upper  
91 100  
106 30.8 24.1 36.1

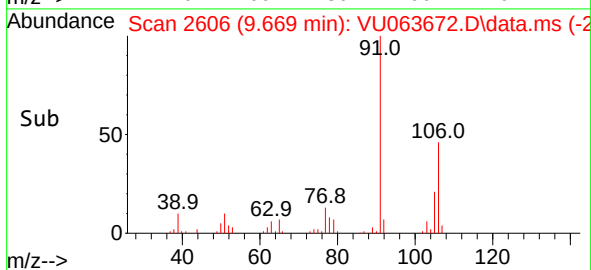
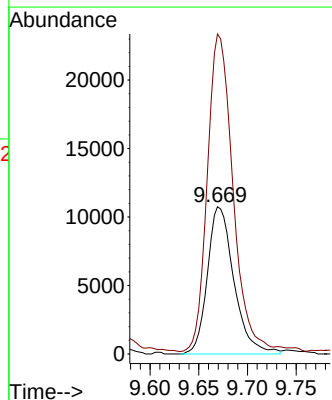
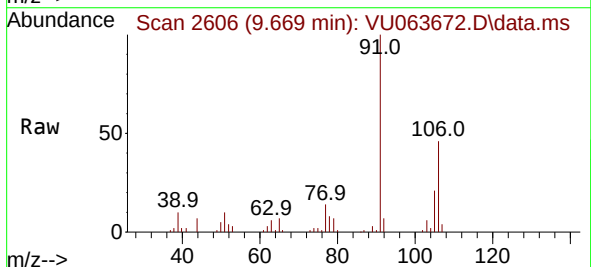
Manual Integrations  
APPROVED

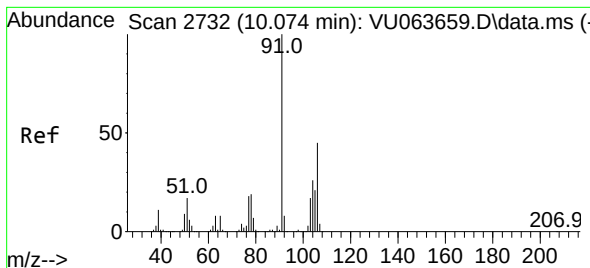
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025



#64  
m/p-Xylenes  
Concen: 0.536 ug/l  
RT: 9.669 min Scan# 2606  
Delta R.T. -0.000 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

Tgt Ion:106 Resp: 20356  
Ion Ratio Lower Upper  
106 100  
91 207.2 167.0 250.4





#65

o-Xylene

Concen: 0.264 ug/l

RT: 10.078 min Scan# 2732

Delta R.T. 0.003 min

Lab File: VU063672.D

Acq: 05 Nov 2025 14:57

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

Tgt Ion:106 Resp: 9849

Ion Ratio Lower Upper

106 100

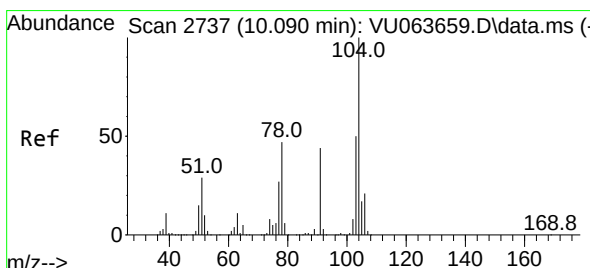
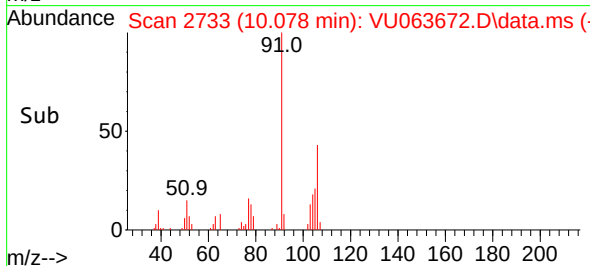
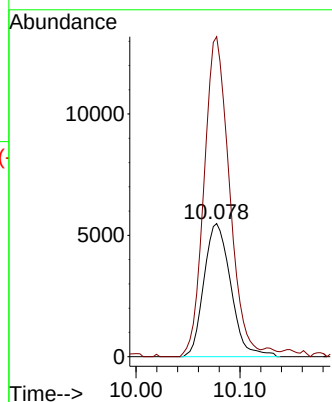
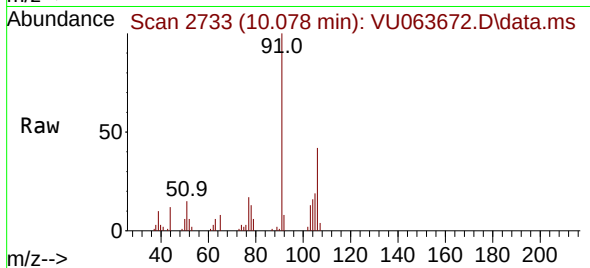
91 226.5 109.3 327.9

Manual Integrations

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Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#66

Styrene

Concen: 0.272 ug/l

RT: 10.094 min Scan# 2738

Delta R.T. 0.003 min

Lab File: VU063672.D

Acq: 05 Nov 2025 14:57

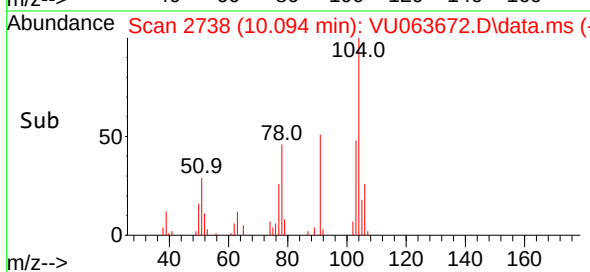
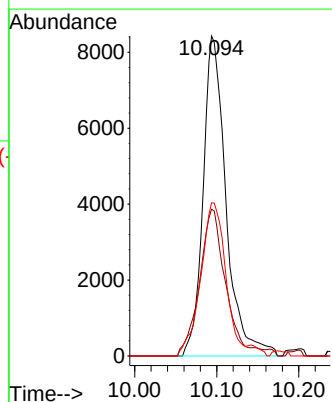
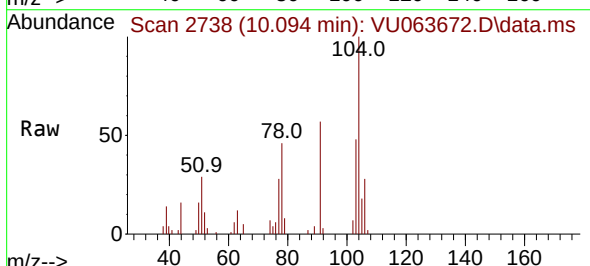
Tgt Ion:104 Resp: 16404

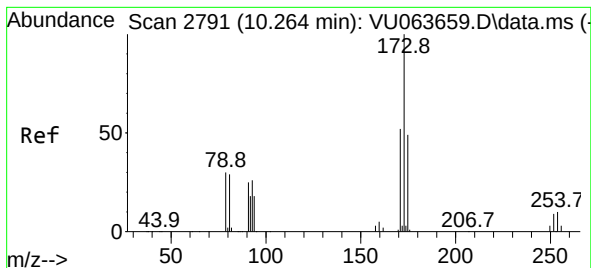
Ion Ratio Lower Upper

104 100

78 52.1 42.8 64.2

103 51.9 43.9 65.9





#67

Bromoform

Concen: 0.209 ug/l

RT: 10.267 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU063672.D

Acq: 05 Nov 2025 14:57

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

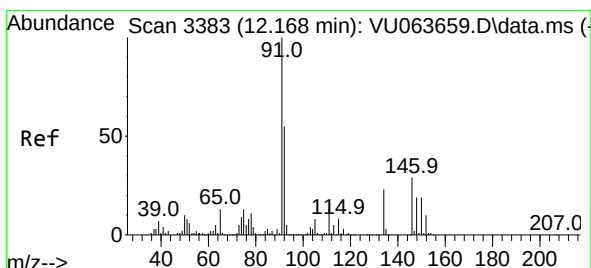
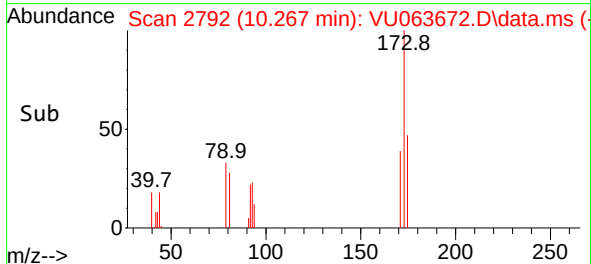
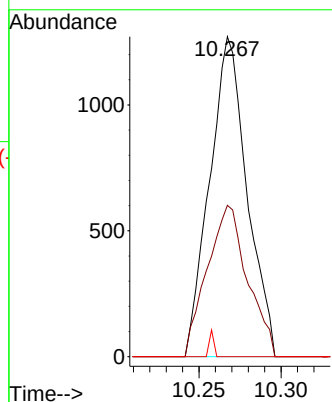
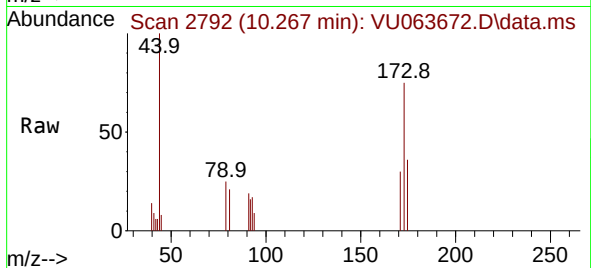
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:173 | Resp: | 200       |
| Ion Ratio   | Lower | Upper     |
| 173         | 100   |           |
| 175         | 51.1  | 39.0 58.4 |
| 254         | 1.0   | 7.4 11.0  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#68

1,2-Dichlorobenzene-d4

Concen: 0.877 ug/l

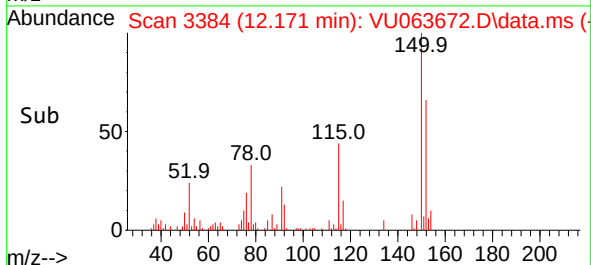
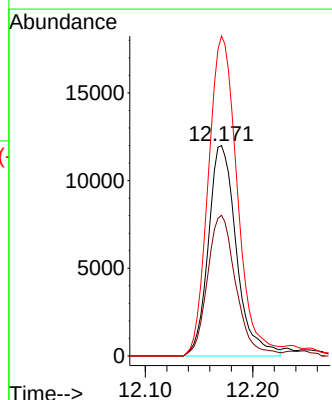
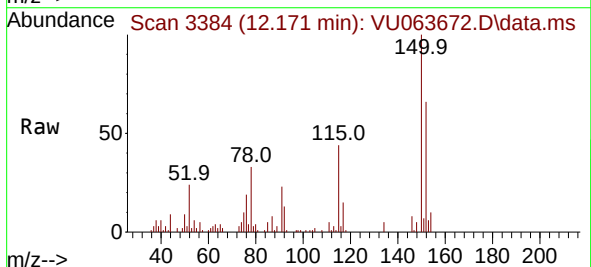
RT: 12.171 min Scan# 3384

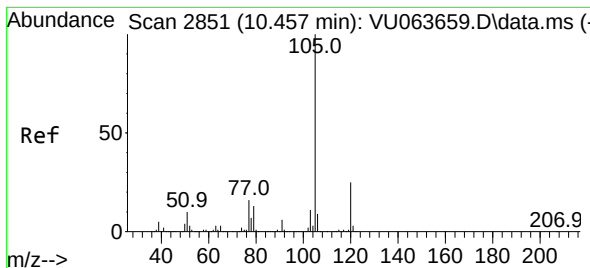
Delta R.T. 0.003 min

Lab File: VU063672.D

Acq: 05 Nov 2025 14:57

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 21747     |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 115         | 67.7  | 0.0 247.2 |
| 150         | 156.8 | 0.0 643.6 |





#69

Isopropylbenzene

Concen: 0.262 ug/l

RT: 10.460 min Scan# 24110

Delta R.T. 0.003 min

Lab File: VU063672.D

Acq: 05 Nov 2025 14:57

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

Tgt Ion:105 Resp: 24110

Ion Ratio Lower Upper

105 100

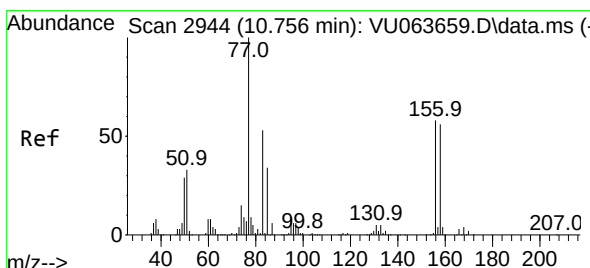
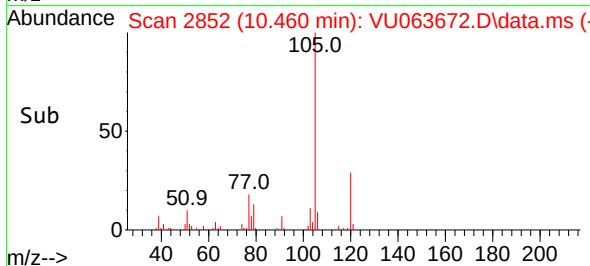
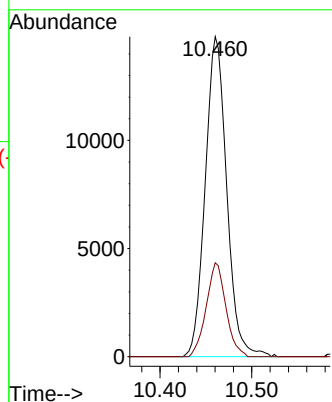
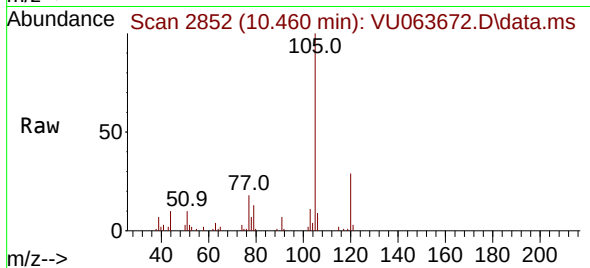
120 26.9 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#70

1,1,2,2-Tetrachloroethane

Concen: 0.255 ug/l

RT: 10.756 min Scan# 2944

Delta R.T. -0.000 min

Lab File: VU063672.D

Acq: 05 Nov 2025 14:57

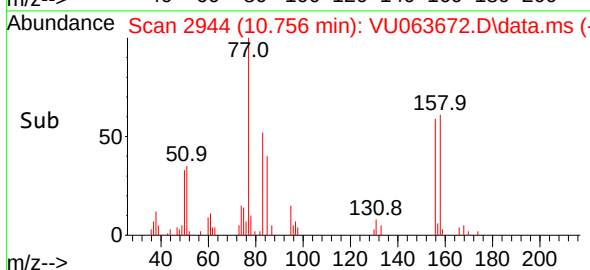
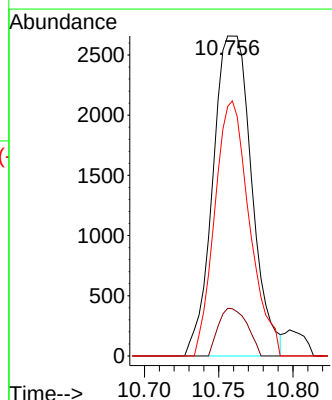
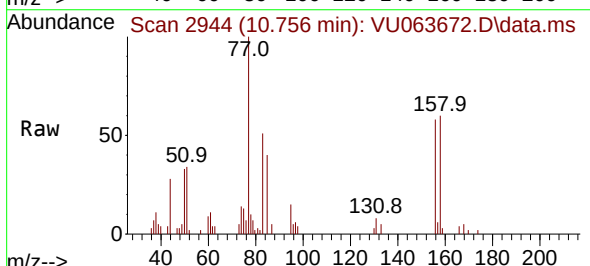
Tgt Ion: 83 Resp: 4835

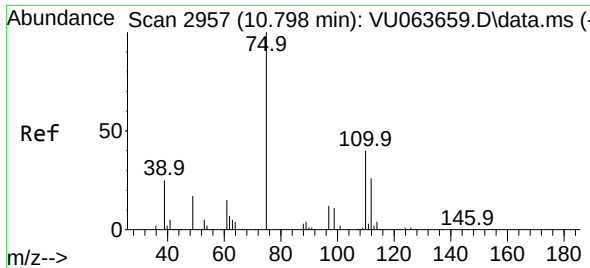
Ion Ratio Lower Upper

83 100

131 11.0 8.1 12.1

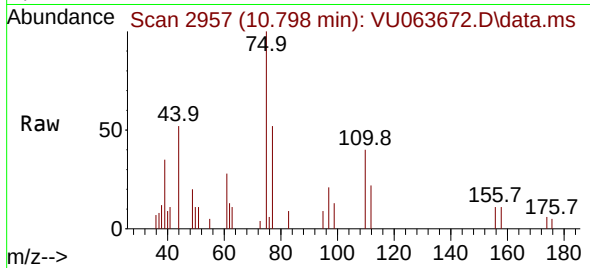
85 71.2 51.0 76.6





#71  
1,2,3-Trichloropropane  
Concen: 0.279 ug/l m  
RT: 10.798 min Scan# 2957  
Delta R.T. -0.000 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

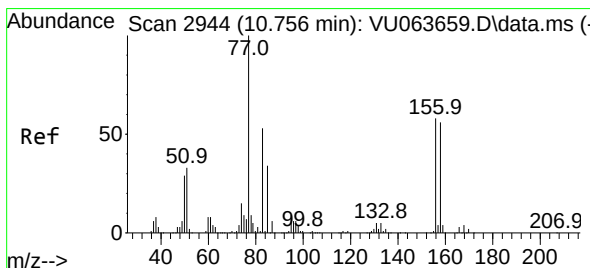
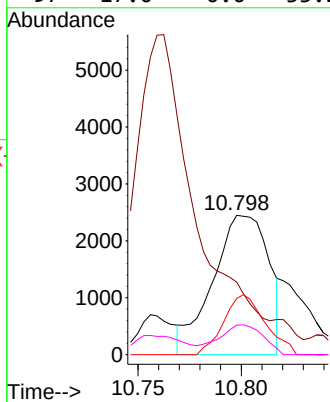
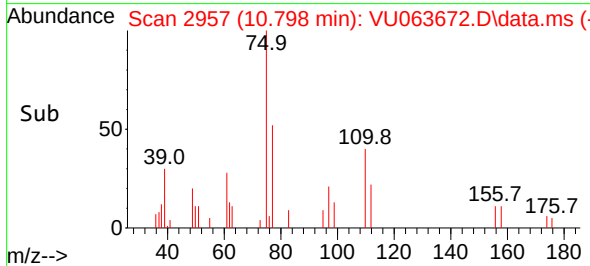
Instrument : MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025



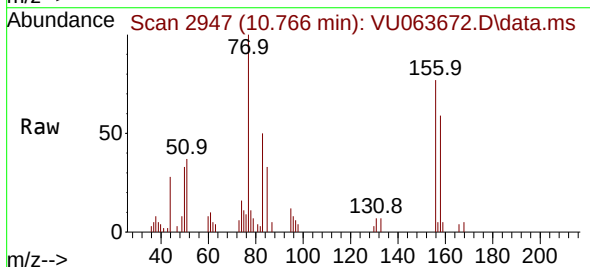
Tgt Ion: 75 Resp: 4609  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0  
110 32.1 0.0 66.4  
97 17.0 0.0 33.2

Manual Integrations  
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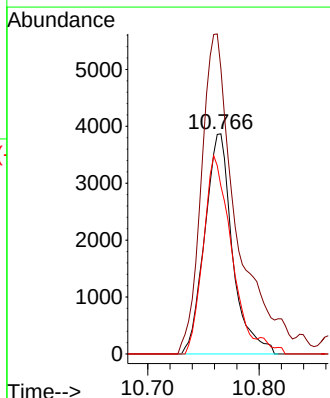
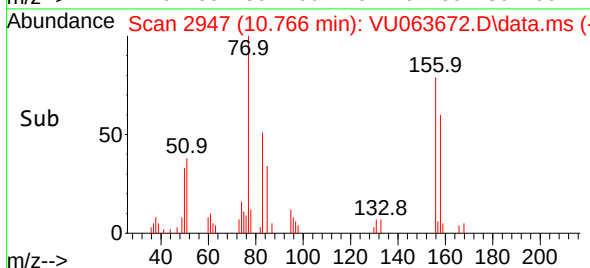
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025

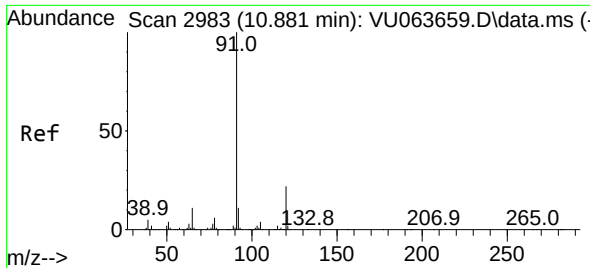


#72  
Bromobenzene  
Concen: 0.300 ug/l  
RT: 10.766 min Scan# 2947  
Delta R.T. 0.010 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57



Tgt Ion:156 Resp: 6682  
Ion Ratio Lower Upper  
156 100  
77 183.9 0.0 337.2  
158 93.4 0.0 191.8





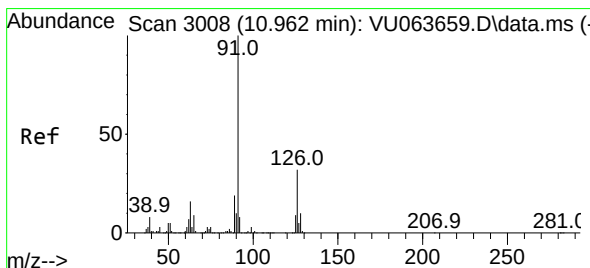
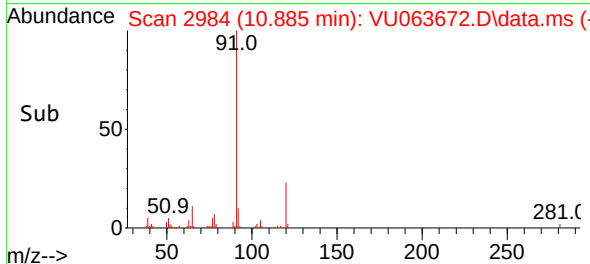
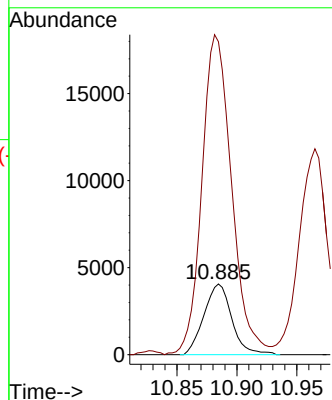
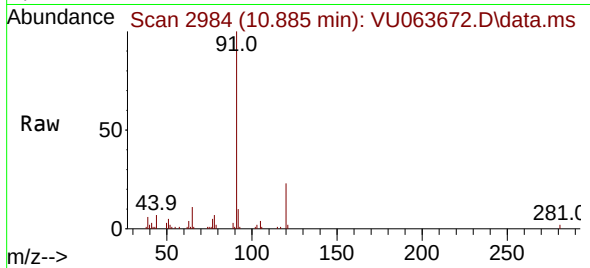
#73  
n-propylbenzene  
Concen: 0.251 ug/l  
RT: 10.885 min Scan# 2983  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT4-2025

Tgt Ion:120 Resp: 6559  
Ion Ratio Lower Upper  
120 100  
91 481.6 361.4 542.2

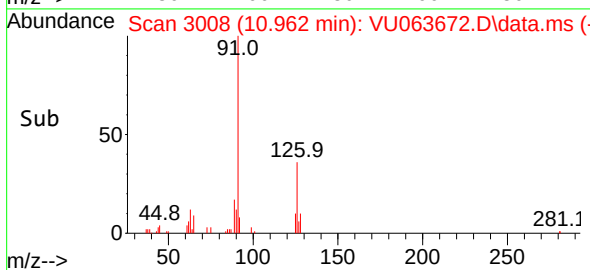
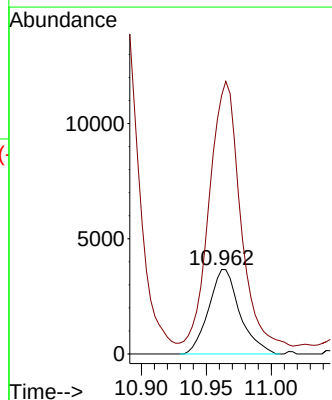
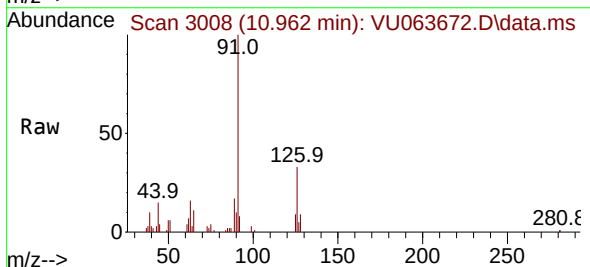
Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025

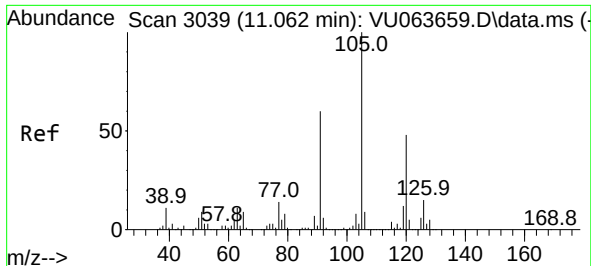


#74  
2-Chlorotoluene  
Concen: 0.269 ug/l  
RT: 10.962 min Scan# 3008  
Delta R.T. -0.000 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

Tgt Ion:126 Resp: 6097  
Ion Ratio Lower Upper  
126 100  
91 316.8 0.0 634.8

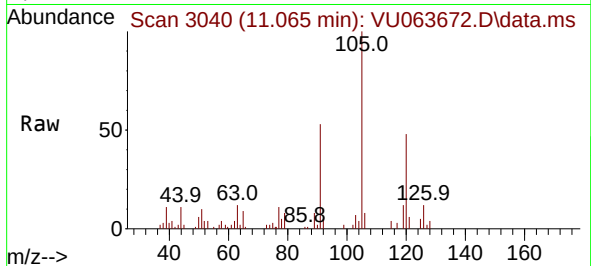






#75  
1,3,5-Trimethylbenzene  
Concen: 0.252 ug/l  
RT: 11.065 min Scan# 3039  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

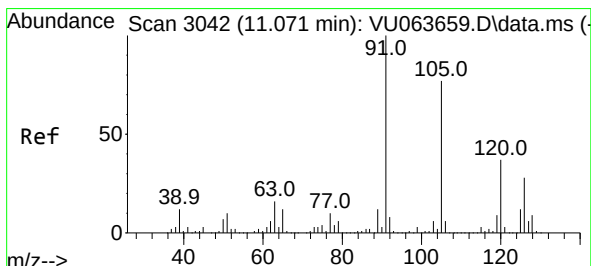
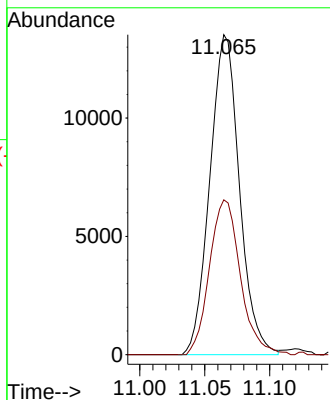
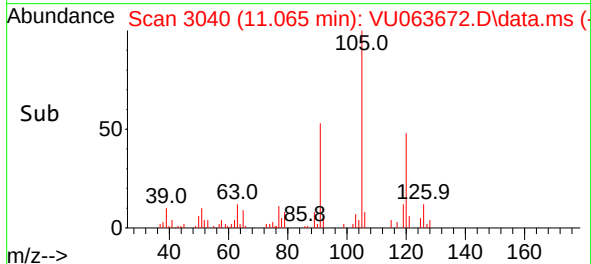
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025



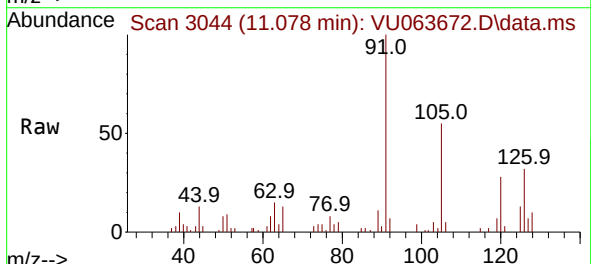
Tgt Ion:105 Resp: 21429  
Ion Ratio Lower Upper  
105 100  
120 50.5 38.2 57.2

Manual Integrations  
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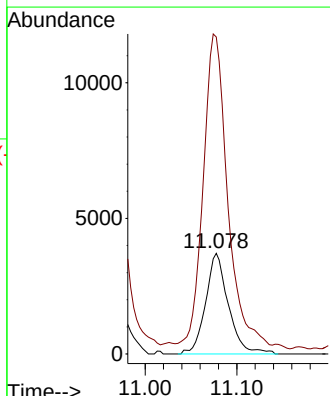
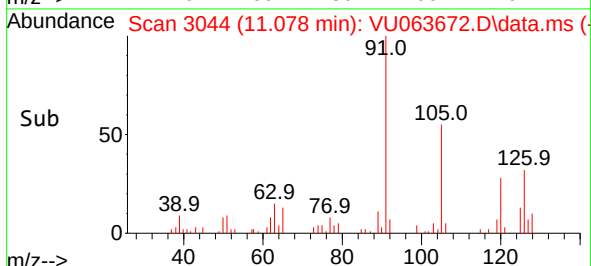
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025

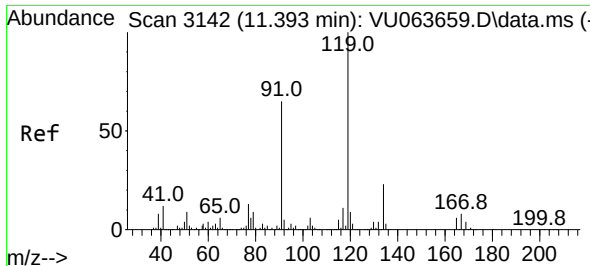


#76  
4-Chlorotoluene  
Concen: 0.282 ug/l  
RT: 11.078 min Scan# 3044  
Delta R.T. 0.006 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57



Tgt Ion:126 Resp: 6404  
Ion Ratio Lower Upper  
126 100  
91 326.2 0.0 716.6





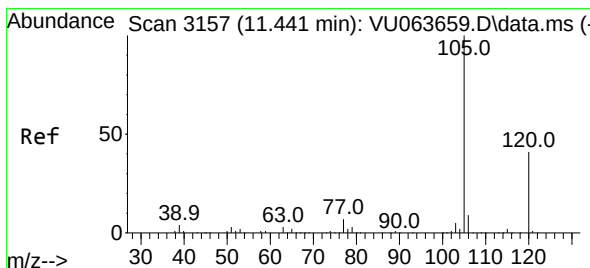
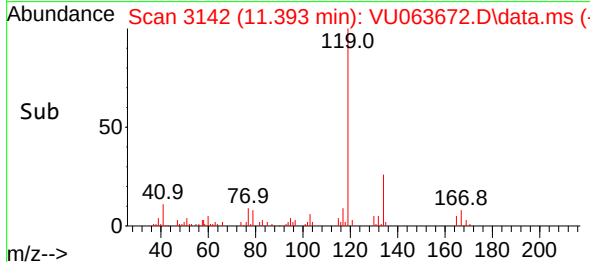
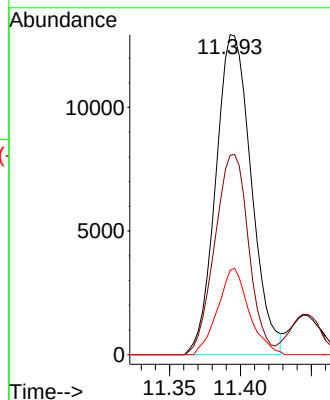
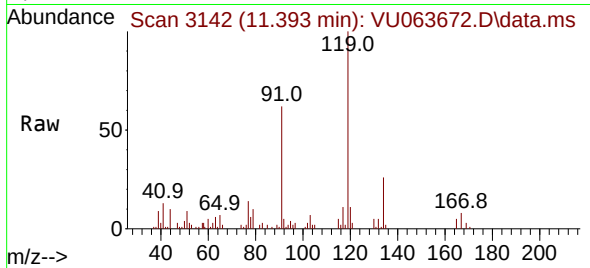
#77  
tert-Butylbenzene  
Concen: 0.271 ug/l  
RT: 11.393 min Scan# 3142  
Delta R.T. -0.000 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

Instrument : MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

Tgt Ion:119 Resp: 22572  
Ion Ratio Lower Upper  
119 100  
91 59.9 31.3 93.8  
134 23.8 18.7 28.1

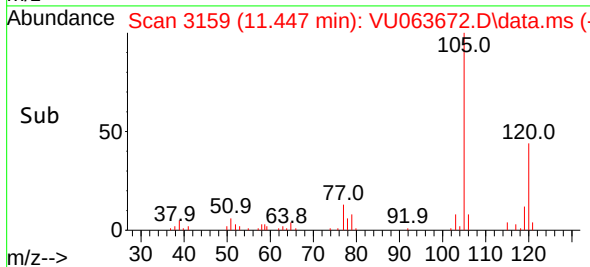
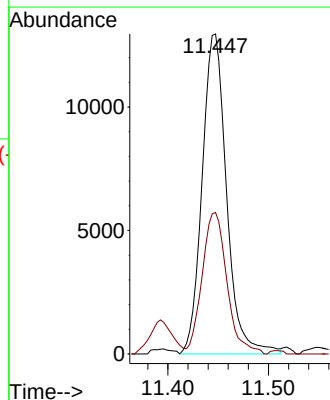
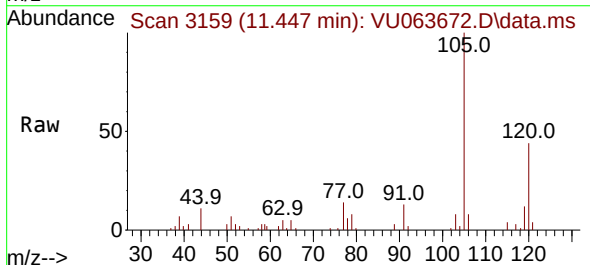
Manual Integrations  
APPROVED

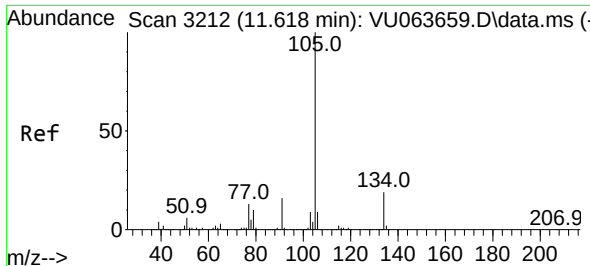
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025



#78  
1,2,4-Trimethylbenzene  
Concen: 0.268 ug/l  
RT: 11.447 min Scan# 3159  
Delta R.T. 0.006 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

Tgt Ion:105 Resp: 21900  
Ion Ratio Lower Upper  
105 100  
120 44.7 22.4 67.0





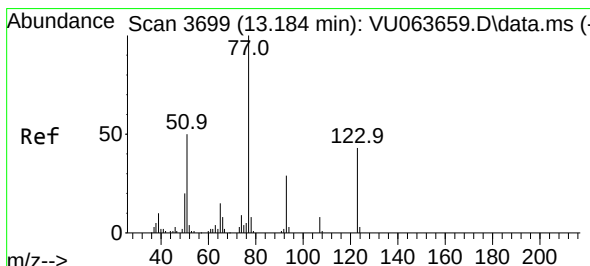
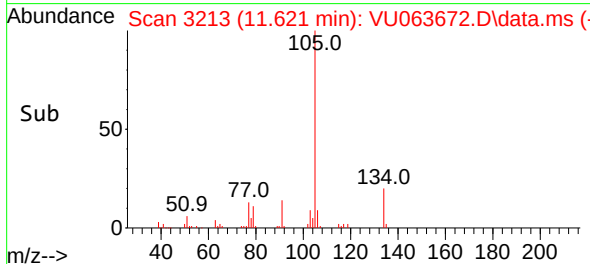
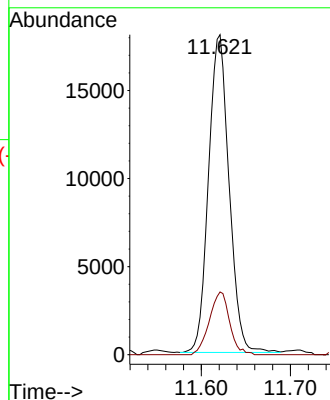
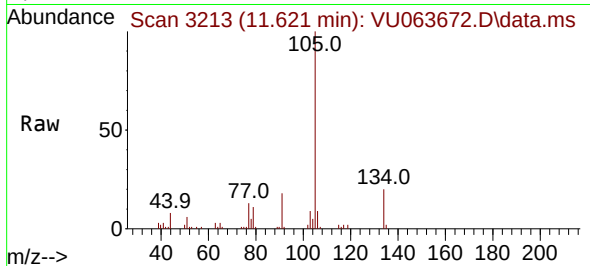
#79  
 sec-Butylbenzene  
 Concen: 0.263 ug/l  
 RT: 11.621 min Scan# 31  
 Delta R.T. 0.003 min  
 Lab File: VU063672.D  
 Acq: 05 Nov 2025 14:57

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT4-2025

Tgt Ion:105 Resp: 2885  
 Ion Ratio Lower Upper  
 105 100  
 134 19.4 15.7 23.5

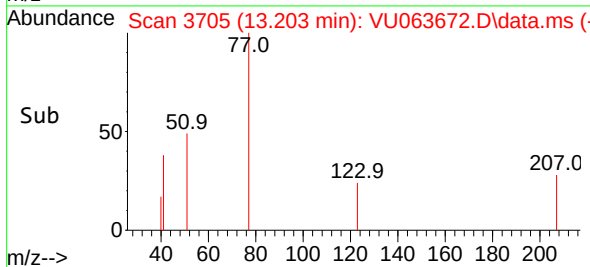
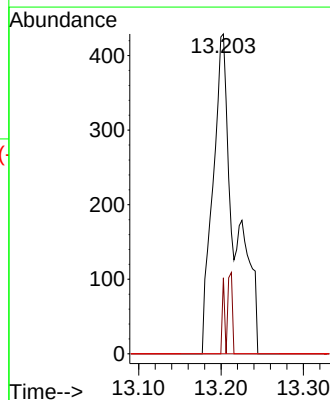
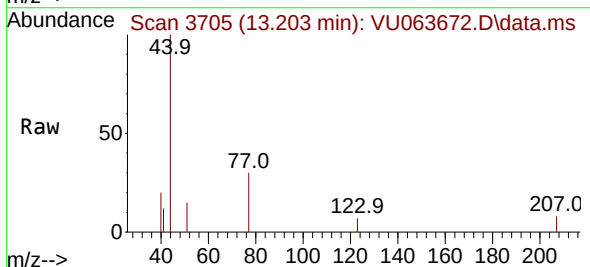
Manual Integrations  
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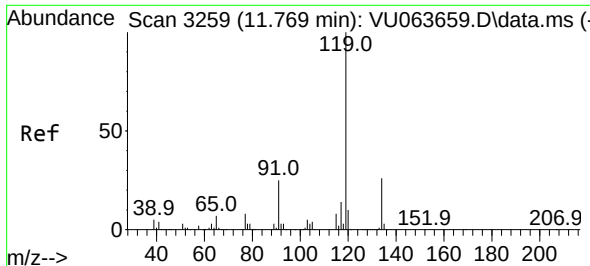
Reviewed By :John Carlone 11/12/2025  
 Supervised By :Mahesh Dadoda 11/12/2025



#80  
 Nitrobenzene  
 Concen: 1.185 ug/l m  
 RT: 13.203 min Scan# 3705  
 Delta R.T. 0.019 min  
 Lab File: VU063672.D  
 Acq: 05 Nov 2025 14:57

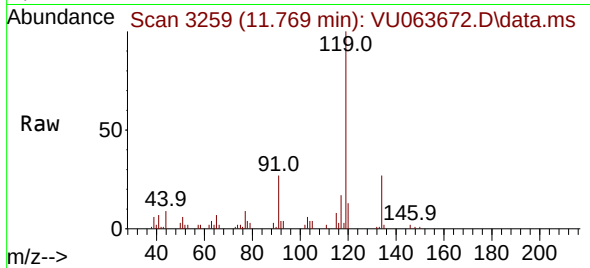
Tgt Ion: 77 Resp: 792  
 Ion Ratio Lower Upper  
 77 100  
 123 7.6 18.2 64.4#  
 65 0.0 13.6 17.2#





#81  
p-Isopropyltoluene  
Concen: 0.256 ug/l  
RT: 11.769 min Scan# 3259  
Delta R.T. -0.000 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

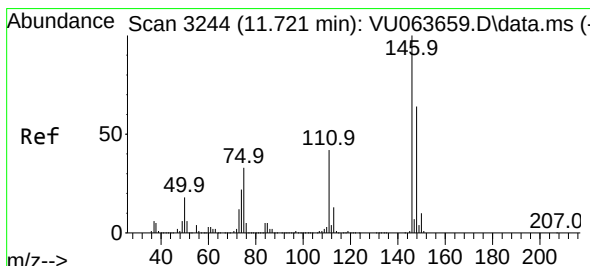
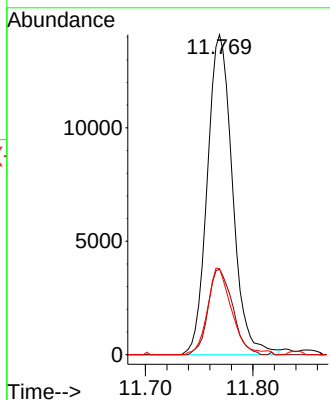
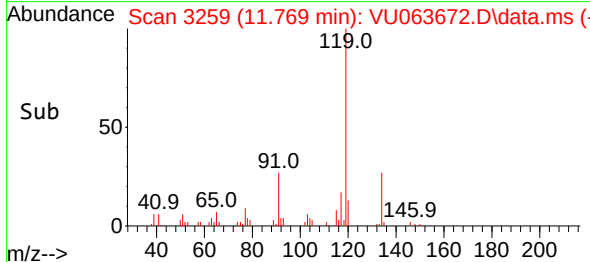
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT4-2025



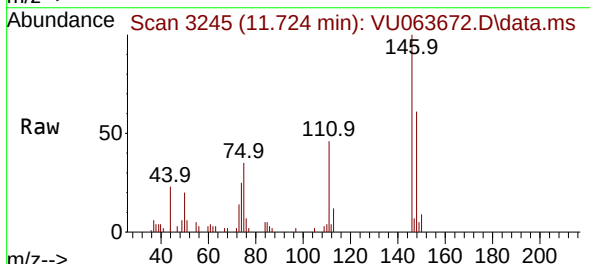
Tgt Ion:119 Resp: 22950  
Ion Ratio Lower Upper  
119 100  
134 25.9 20.3 30.5  
91 26.2 20.1 30.1

Manual Integrations  
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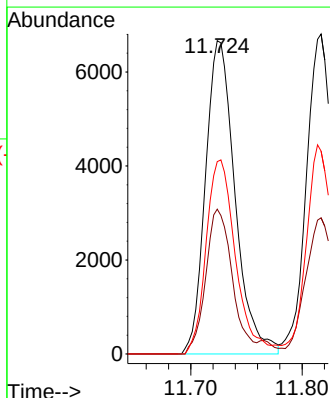
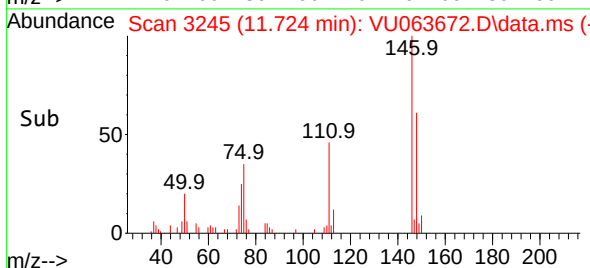
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025

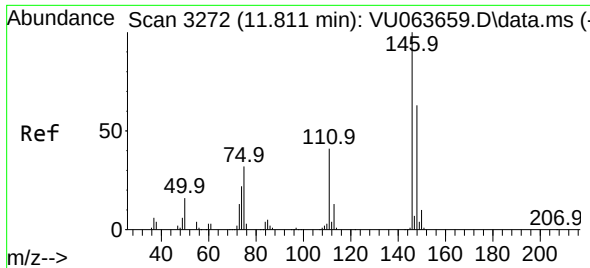


#82  
1,3-Dichlorobenzene  
Concen: 0.286 ug/l  
RT: 11.724 min Scan# 3245  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57



Tgt Ion:146 Resp: 12314  
Ion Ratio Lower Upper  
146 100  
111 41.6 33.8 50.8  
148 61.8 50.8 76.2





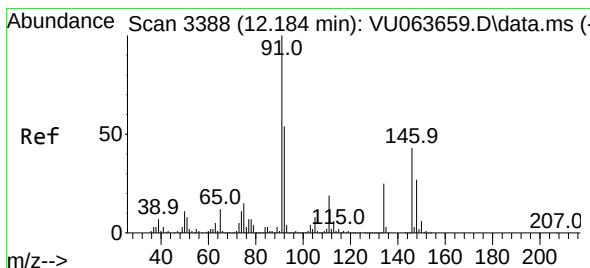
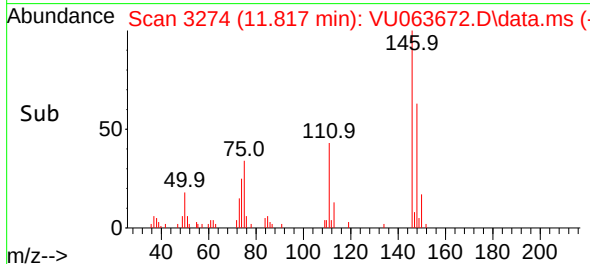
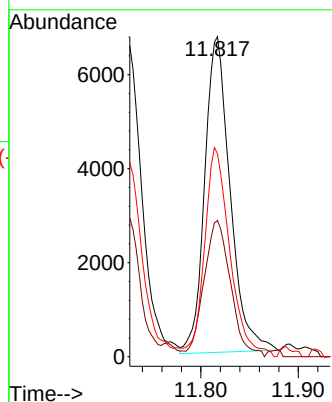
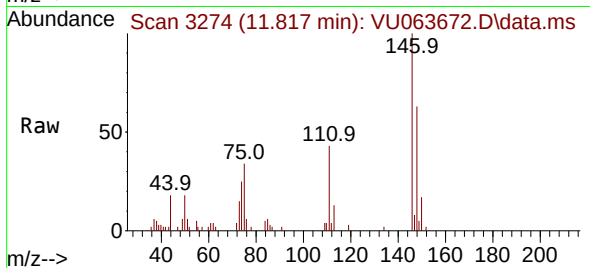
#83  
1,4-Dichlorobenzene  
Concen: 0.285 ug/l  
RT: 11.817 min Scan# 3272  
Delta R.T. 0.006 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

Tgt Ion:146 Resp: 12188  
Ion Ratio Lower Upper  
146 100  
111 44.9 33.0 49.4  
148 65.9 50.6 76.0

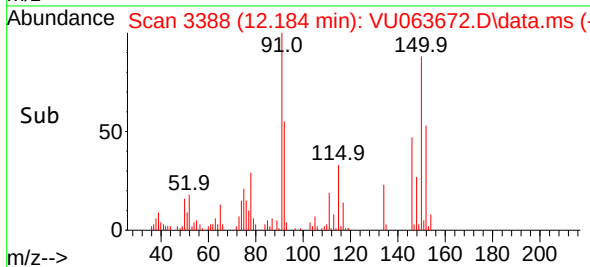
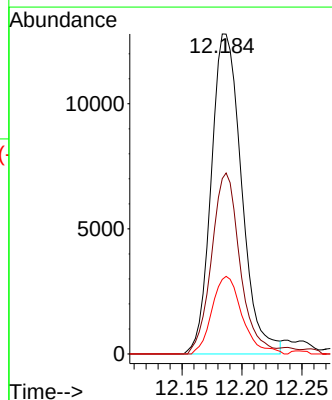
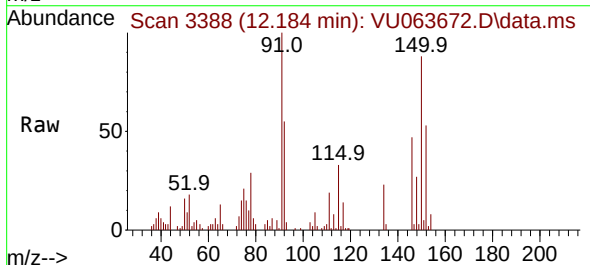
Manual Integrations  
APPROVED

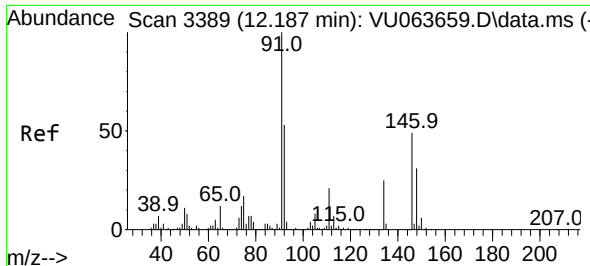
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025



#84  
n-Butylbenzene  
Concen: 0.280 ug/l  
RT: 12.184 min Scan# 3388  
Delta R.T. -0.000 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

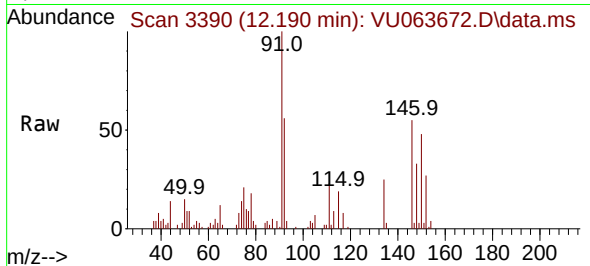
Tgt Ion: 91 Resp: 22484  
Ion Ratio Lower Upper  
91 100  
92 53.0 43.1 64.7  
134 24.1 19.7 29.5





#85  
1,2-Dichlorobenzene  
Concen: 0.294 ug/l  
RT: 12.190 min Scan# 31196  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

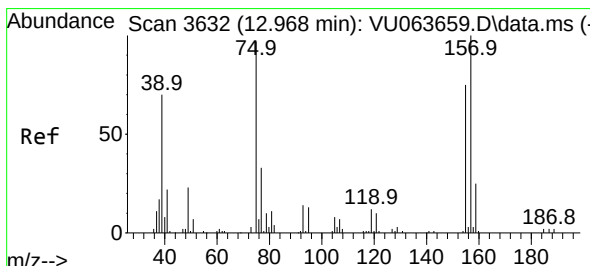
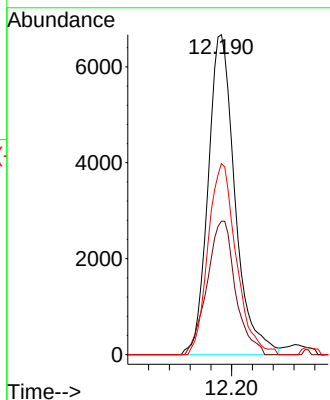
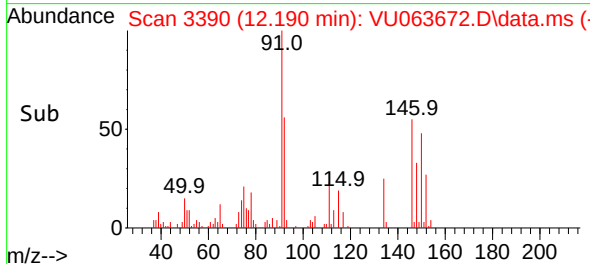
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025



Tgt Ion:146 Resp: 1196  
Ion Ratio Lower Upper  
146 100  
111 44.1 22.2 66.6  
148 62.5 31.9 95.5

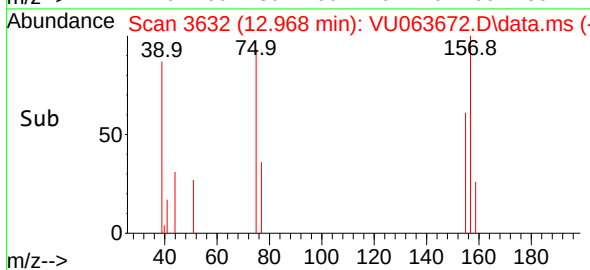
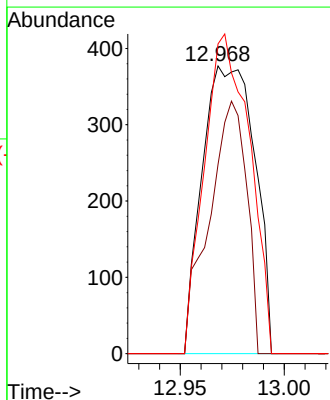
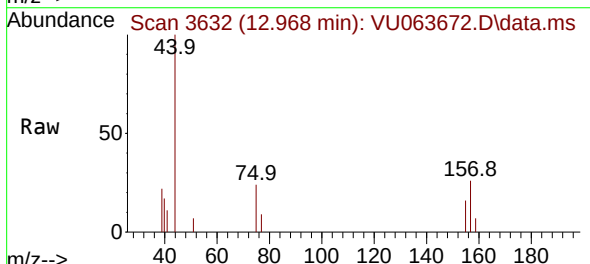
Manual Integrations  
APPROVED

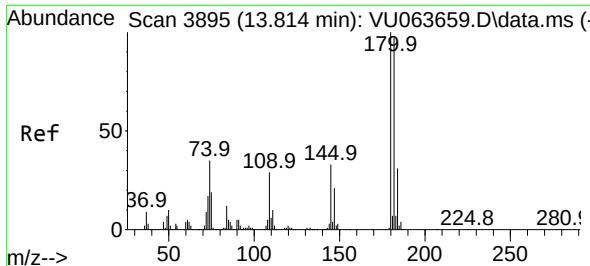
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025



#86  
1,2-Dibromo-3-Chloropropane  
Concen: 0.211 ug/l  
RT: 12.968 min Scan# 3632  
Delta R.T. -0.000 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

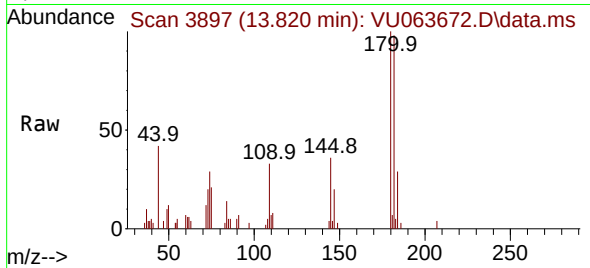
Tgt Ion: 75 Resp: 663  
Ion Ratio Lower Upper  
75 100  
155 62.7 62.2 93.4  
157 95.9 81.3 121.9





#87  
1,2,4-Trichlorobenzene  
Concen: 0.314 ug/l  
RT: 13.820 min Scan# 3897  
Delta R.T. 0.006 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

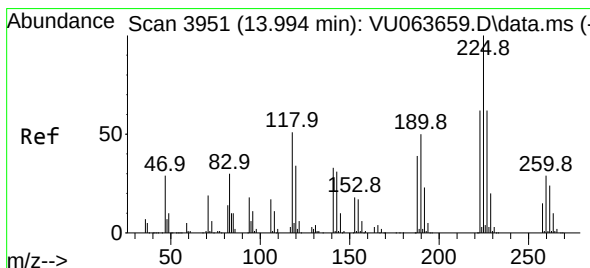
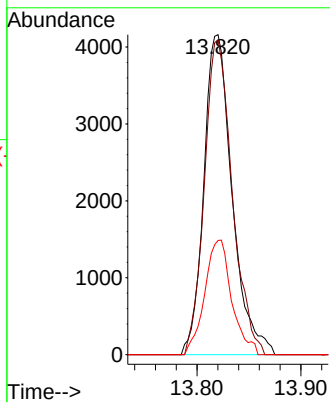
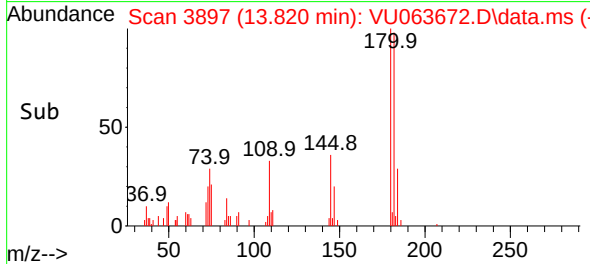
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025



Tgt Ion:180 Resp: 7880  
Ion Ratio Lower Upper  
180 100  
182 96.8 76.4 114.6  
145 34.2 26.2 39.2

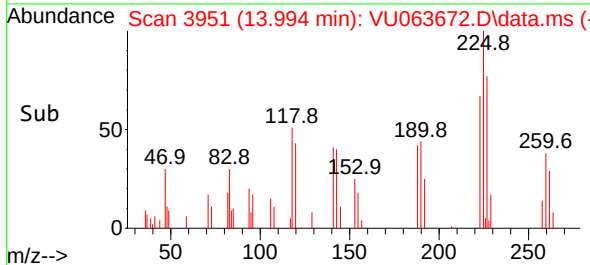
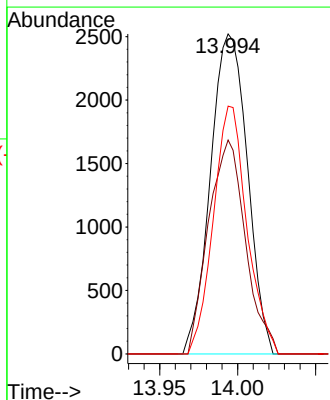
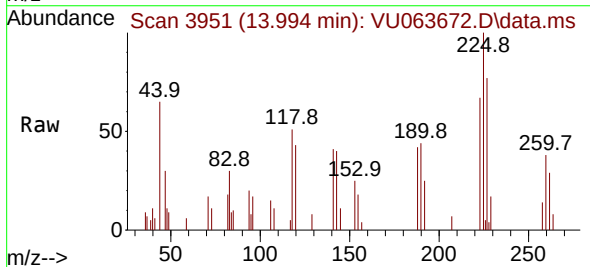
Manual Integrations  
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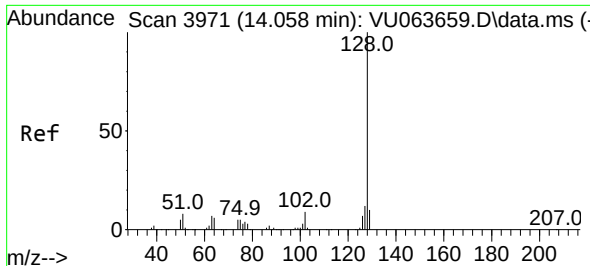
Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025



#88  
Hexachlorobutadiene  
Concen: 0.278 ug/l  
RT: 13.994 min Scan# 3951  
Delta R.T. -0.000 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

Tgt Ion:225 Resp: 4160  
Ion Ratio Lower Upper  
225 100  
223 66.8 50.2 75.4  
227 70.4 50.0 75.0





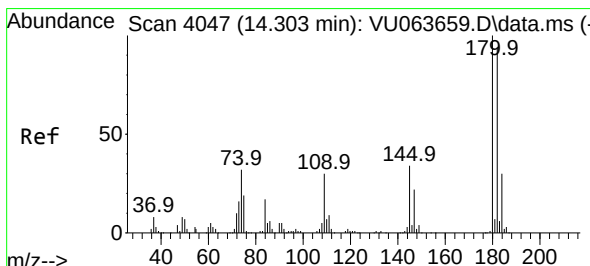
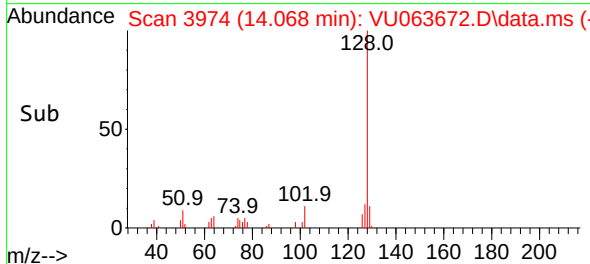
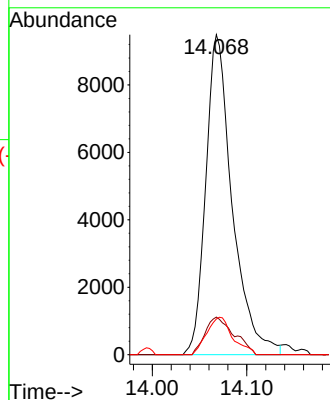
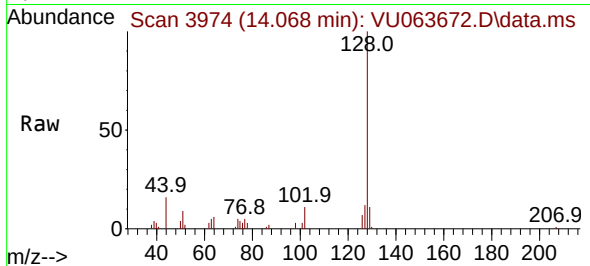
#89  
Naphthalene  
Concen: 0.383 ug/l  
RT: 14.068 min Scan# 3971  
Delta R.T. 0.010 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2025

Tgt Ion:128 Resp: 1847  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.2 15.2  
129 11.5 8.6 12.8

Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/12/2025  
Supervised By :Mahesh Dadoda 11/12/2025



#90  
1,2,3-Trichlorobenzene  
Concen: 0.352 ug/l  
RT: 14.306 min Scan# 4048  
Delta R.T. 0.003 min  
Lab File: VU063672.D  
Acq: 05 Nov 2025 14:57

Tgt Ion:180 Resp: 8078  
Ion Ratio Lower Upper  
180 100  
182 94.0 75.4 113.0  
145 32.7 27.4 41.2

