

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020124\  
 Data File : VU057773.D  
 Acq On : 01 Feb 2024 12:32  
 Operator : MD/SY  
 Sample : P1187-07  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT1-2024

Quant Time: Feb 02 01:22:06 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U013124DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Fri Feb 02 01:21:28 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024  
 Supervised By :Mahesh Dadoda 02/08/2024

| Compound                     | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|------------------------------|--------|------|----------|-------|---------|----------|
| -----                        |        |      |          |       |         |          |
| Internal Standards           |        |      |          |       |         |          |
| 1) Fluorobenzene             | 6.110  | 96   | 44575    | 1.000 | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |       |         |          |
| 57) 4-Bromofluorobenzene     | 10.631 | 95   | 14745    | 0.874 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 87.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.190 | 152  | 13018    | 0.856 | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =     | 86.000% |          |
| Target Compounds             |        |      |          |       |         |          |
|                              |        |      |          |       | Qvalue  |          |
| 2) Dichlorodifluoromethane   | 1.383  | 85   | 4222     | 0.284 | ug/l    | 86       |
| 3) Chloromethane             | 1.518  | 50   | 5021     | 0.353 | ug/l    | 98       |
| 4) Vinyl Chloride            | 1.602  | 62   | 4584     | 0.316 | ug/l    | 96       |
| 5) Bromomethane              | 1.856  | 94   | 3147     | 0.365 | ug/l    | 99       |
| 6) Chloroethane              | 1.933  | 64   | 2938     | 0.320 | ug/l    | 96       |
| 7) Trichlorofluoromethane    | 2.133  | 101  | 6733     | 0.303 | ug/l    | 98       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101  | 3501     | 0.306 | ug/l    | 92       |
| 9) 1,1-Dichloroethene        | 2.573  | 96   | 3518     | 0.318 | ug/l    | 87       |
| 10) Iodomethane              | 2.718  | 142  | 3953     | 0.301 | ug/l    | 99       |
| 11) Allyl Chloride           | 2.917  | 41   | 4723     | 0.314 | ug/l    | 85       |
| 12) Acrylonitrile            | 3.348  | 53   | 811      | 0.429 | ug/l #  | 83       |
| 13) Acetone                  | 2.653  | 43   | 5657     | 1.653 | ug/l    | 90       |
| 14) Carbon Disulfide         | 2.789  | 76   | 11396    | 0.321 | ug/l    | 96       |
| 15) Methylene Chloride       | 3.043  | 84   | 5394     | 0.408 | ug/l    | 88       |
| 16) trans-1,2-Dichloroethene | 3.354  | 96   | 4034     | 0.334 | ug/l    | 92       |
| 17) 1,1-Dichloroethane       | 3.866  | 63   | 6810     | 0.298 | ug/l #  | 95       |
| 18) 2-Butanone               | 4.747  | 43   | 4895m    | 1.327 | ug/l    |          |
| 19) Cyclohexane              | 5.386  | 56   | 6253     | 0.349 | ug/l    | 94       |
| 20) Methylcyclohexane        | 6.756  | 83   | 6394     | 0.296 | ug/l    | 97       |
| 21) 2,2-Dichloropropane      | 4.660  | 77   | 6250     | 0.308 | ug/l #  | 90       |
| 22) cis-1,2-Dichloroethene   | 4.673  | 96   | 4017     | 0.303 | ug/l    | 95       |
| 23) Diethyl Ether            | 2.374  | 59   | 2616     | 0.327 | ug/l    | 93       |
| 24) tert-Butyl Alcohol       | 3.319  | 59   | 2578m    | 2.837 | ug/l    |          |
| 25) Methyl tert-Butyl Ether  | 3.361  | 73   | 8343     | 0.321 | ug/l    | 92       |
| 26) Bromochloromethane       | 4.968  | 128  | 1397m    | 0.263 | ug/l    |          |
| 27) Chloroform               | 5.081  | 83   | 7665     | 0.323 | ug/l    | 98       |
| 28) 1,1,1-Trichloroethane    | 5.306  | 97   | 6544     | 0.305 | ug/l    | 98       |
| 29) 1,1-Dichloropropene      | 5.521  | 75   | 5855     | 0.338 | ug/l    | 89       |
| 30) Carbon Tetrachloride     | 5.518  | 117  | 5482     | 0.297 | ug/l    | 89       |
| 31) Isopropyl Ether          | 3.985  | 45   | 10321    | 0.309 | ug/l    | 96       |
| 32) Ethyl-t-butyl ether      | 4.489  | 59   | 9761     | 0.315 | ug/l    | 96       |
| 33) Tert-Amyl methyl ether   | 5.933  | 73   | 7683     | 0.294 | ug/l    | 97       |
| 34) Propionitrile            | 4.830  | 54   | 201      | 0.263 | ug/l #  | 1        |
| 35) Benzene                  | 5.772  | 78   | 15531    | 0.311 | ug/l    | 99       |
| 36) 1,2-Dichloroethane       | 5.792  | 62   | 4479     | 0.308 | ug/l #  | 86       |
| 37) Trichloroethene          | 6.541  | 130  | 4364     | 0.329 | ug/l    | 90       |
| 38) 1,2-Dichloropropane      | 6.788  | 63   | 3907     | 0.302 | ug/l    | 99       |
| 39) Methacrylonitrile        | 5.004  | 41   | 647      | 0.212 | ug/l #  | 58       |
| 41) Tetrahydrofuran          | 5.065  | 42   | 1149m    | 0.706 | ug/l    |          |
| 42) 1-Chlorobutane           | 5.454  | 56   | 6746     | 0.295 | ug/l    | 90       |
| 43) Dibromomethane           | 6.917  | 93   | 1855     | 0.312 | ug/l    | 89       |
| 44) Bromodichloromethane     | 7.103  | 83   | 5009     | 0.300 | ug/l    | 95       |
| 45) 4-Methyl-2-Pentanone     | 7.795  | 43   | 9638     | 1.519 | ug/l    | 98       |

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 Sample : P1187-07  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT1-2024

Quant Time: Feb 02 01:22:06 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U013124DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Fri Feb 02 01:21:28 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024  
 Supervised By :Mahesh Dadoda 02/08/2024

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) t-1,4-Dichloro-2-butene   | 10.849 | 75   | 731m     | 0.507 | ug/l   |          |
| 47) Methyl methacrylate       | 6.968  | 69   | 2806     | 0.534 | ug/l # | 87       |
| 48) Ethyl methacrylate        | 8.335  | 69   | 2918     | 0.277 | ug/l   | 92       |
| 49) Toluene                   | 7.968  | 92   | 9320     | 0.306 | ug/l   | 96       |
| 50) t-1,3-Dichloropropene     | 8.213  | 75   | 4002     | 0.278 | ug/l   | 94       |
| 51) cis-1,3-Dichloropropene   | 7.605  | 75   | 5524     | 0.303 | ug/l   | 97       |
| 52) 1,1,2-Trichloroethane     | 8.396  | 97   | 2467     | 0.301 | ug/l # | 91       |
| 53) 1,3-Dichloropropane       | 8.573  | 76   | 4333     | 0.294 | ug/l   | 96       |
| 54) 2-Hexanone                | 8.692  | 43   | 8359     | 1.431 | ug/l   | 99       |
| 55) Dibromochloromethane      | 8.804  | 129  | 2664     | 0.262 | ug/l   | 96       |
| 56) 1,2-Dibromoethane         | 8.923  | 107  | 2384     | 0.316 | ug/l   | 88       |
| 58) Tetrachloroethene         | 8.550  | 164  | 3425     | 0.293 | ug/l   | 83       |
| 59) Chlorobenzene             | 9.447  | 112  | 10331    | 0.306 | ug/l   | 100      |
| 60) 1,1,1,2-Tetrachloroethane | 9.528  | 131  | 3317     | 0.290 | ug/l   | 95       |
| 61) Pentachloroethane         | 11.422 | 117  | 2193     | 0.264 | ug/l   | 86       |
| 62) Hexachloroethane          | 12.470 | 117  | 2283     | 0.252 | ug/l   | 99       |
| 63) Ethyl Benzene             | 9.566  | 91   | 17538    | 0.292 | ug/l   | 96       |
| 64) m/p-Xylenes               | 9.692  | 106  | 13362    | 0.613 | ug/l   | 97       |
| 65) o-Xylene                  | 10.097 | 106  | 6236     | 0.289 | ug/l   | 89       |
| 66) Styrene                   | 10.116 | 104  | 9002     | 0.280 | ug/l   | 95       |
| 67) Bromoform                 | 10.290 | 173  | 1489     | 0.285 | ug/l # | 85       |
| 69) Isopropylbenzene          | 10.480 | 105  | 16866    | 0.298 | ug/l   | 98       |
| 70) 1,1,2,2-Tetrachloroethane | 10.779 | 83   | 2949     | 0.287 | ug/l   | 99       |
| 71) 1,2,3-Trichloropropane    | 10.824 | 75   | 2409m    | 0.284 | ug/l   |          |
| 72) Bromobenzene              | 10.782 | 156  | 3611     | 0.290 | ug/l   | 80       |
| 73) n-propylbenzene           | 10.904 | 120  | 4272     | 0.301 | ug/l   | 95       |
| 74) 2-Chlorotoluene           | 10.981 | 126  | 3839     | 0.291 | ug/l   | 97       |
| 75) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 13905    | 0.286 | ug/l   | 99       |
| 76) 4-Chlorotoluene           | 11.097 | 126  | 4055     | 0.306 | ug/l   | 93       |
| 77) tert-Butylbenzene         | 11.415 | 119  | 13559    | 0.298 | ug/l   | 95       |
| 78) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 14271    | 0.290 | ug/l   | 97       |
| 79) sec-Butylbenzene          | 11.637 | 105  | 17668    | 0.303 | ug/l   | 94       |
| 80) Nitrobenzene              | 13.245 | 77   | 47       | 0.233 | ug/l # | 40       |
| 81) p-Isopropyltoluene        | 11.788 | 119  | 13992    | 0.285 | ug/l   | 92       |
| 82) 1,3-Dichlorobenzene       | 11.746 | 146  | 7424     | 0.295 | ug/l   | 99       |
| 83) 1,4-Dichlorobenzene       | 11.840 | 146  | 7756     | 0.316 | ug/l   | 98       |
| 84) n-Butylbenzene            | 12.206 | 91   | 13792    | 0.294 | ug/l   | 98       |
| 85) 1,2-Dichlorobenzene       | 12.209 | 146  | 6933     | 0.304 | ug/l   | 93       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.997 | 75   | 332      | 0.236 | ug/l # | 67       |
| 87) 1,2,4-Trichlorobenzene    | 13.843 | 180  | 4375     | 0.321 | ug/l   | 93       |
| 88) Hexachlorobutadiene       | 14.016 | 225  | 2932     | 0.335 | ug/l   | 94       |
| 89) Naphthalene               | 14.094 | 128  | 7385     | 0.351 | ug/l # | 93       |
| 90) 1,2,3-Trichlorobenzene    | 14.331 | 180  | 3703     | 0.326 | ug/l   | 93       |

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





#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.110 min Scan# 14  
Delta R.T. -0.003 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

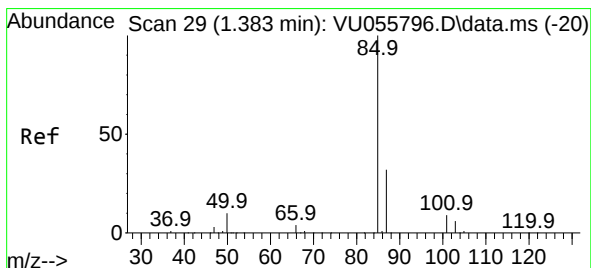
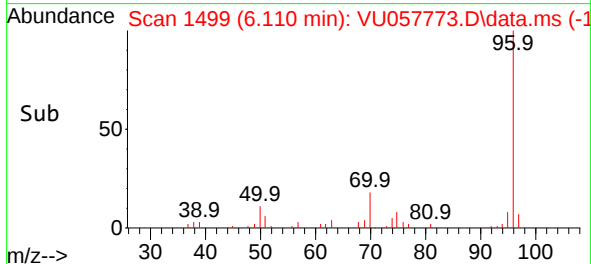
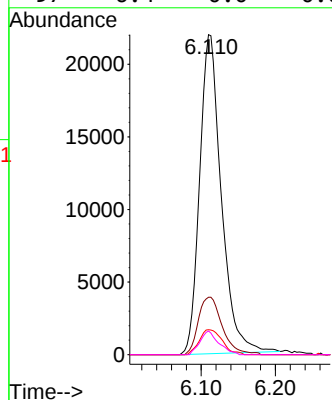
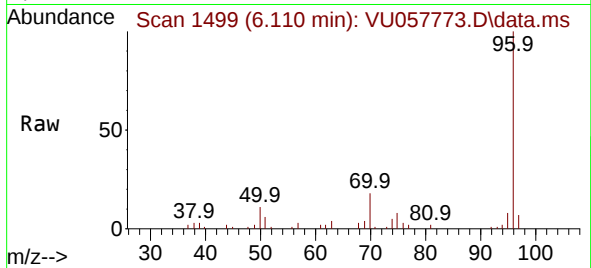
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024

Tgt Ion: 96 Resp: 4457

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 70  | 19.9  | 16.5  | 24.7  |
| 95  | 8.3   | 7.4   | 11.0  |
| 97  | 6.4   | 0.0   | 0.0   |

Manual Integrations  
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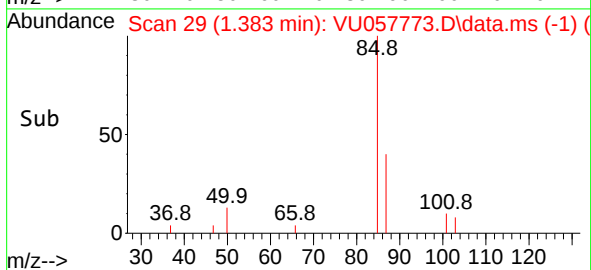
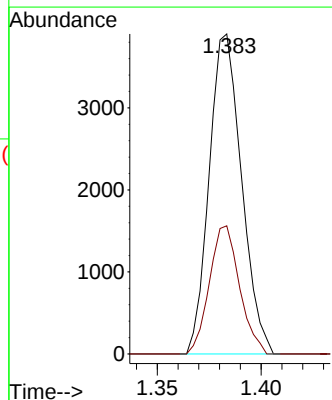
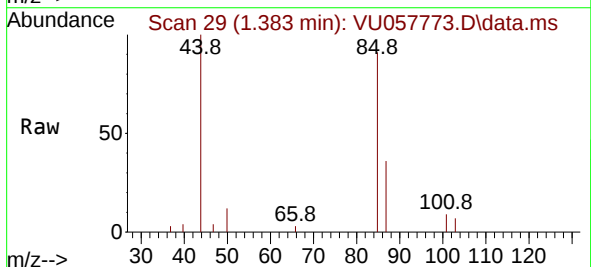
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024

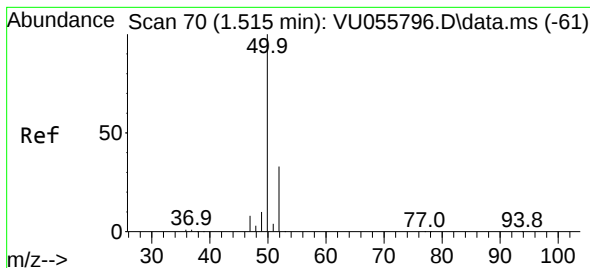


#2  
Dichlorodifluoromethane  
Concen: 0.284 ug/l  
RT: 1.383 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

Tgt Ion: 85 Resp: 4222

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 85  | 100   |       |       |
| 87  | 40.0  | 16.2  | 48.6  |





#3

Chloromethane

Concen: 0.353 ug/l

RT: 1.518 min Scan# 70

Delta R.T. 0.003 min

Lab File: VU057773.D

Acq: 01 Feb 2024 12:32

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2024

Tgt Ion: 50 Resp: 502

Ion Ratio Lower Upper

50 100

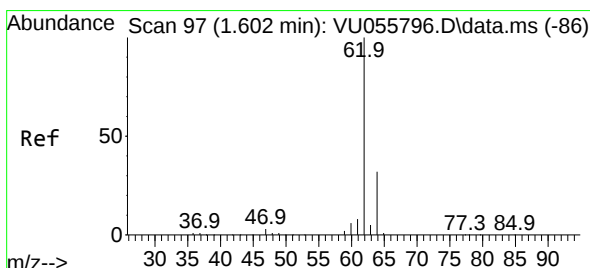
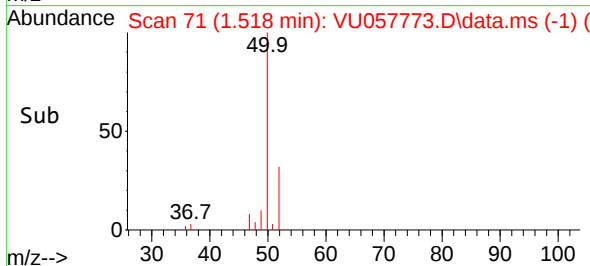
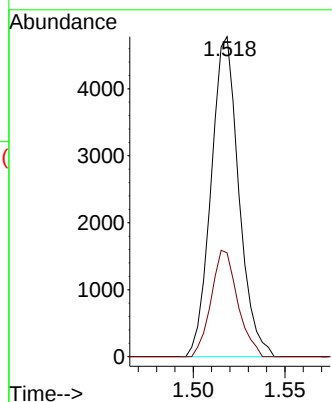
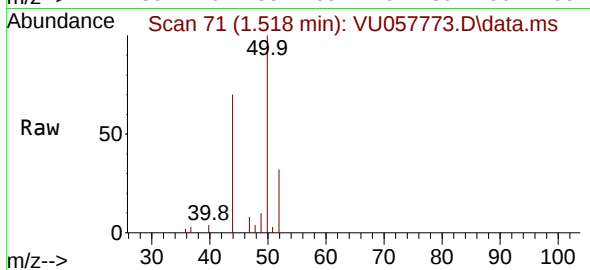
52 32.4 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024

Supervised By :Mahesh Dadoda 02/08/2024



#4

Vinyl Chloride

Concen: 0.316 ug/l

RT: 1.602 min Scan# 97

Delta R.T. 0.000 min

Lab File: VU057773.D

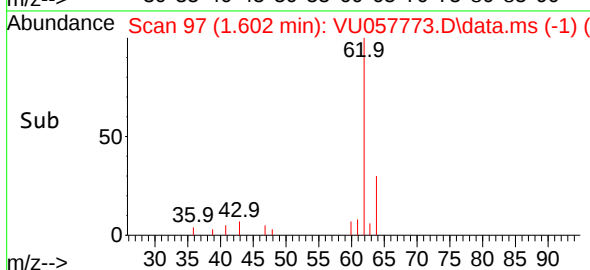
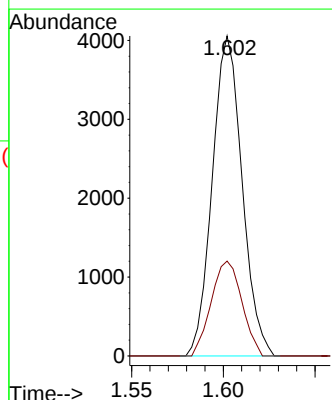
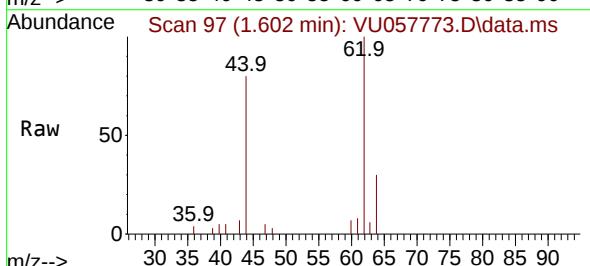
Acq: 01 Feb 2024 12:32

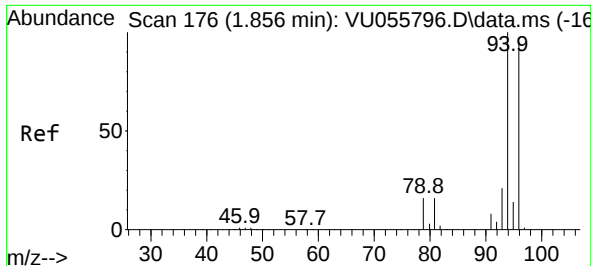
Tgt Ion: 62 Resp: 4584

Ion Ratio Lower Upper

62 100

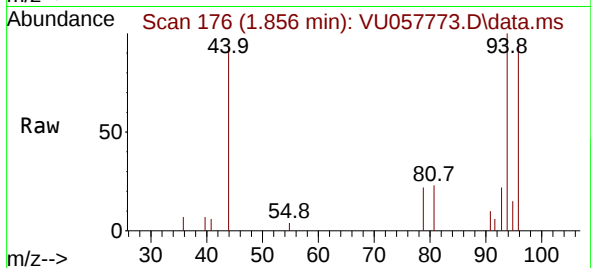
64 29.6 25.4 38.2





#5  
Bromomethane  
Concen: 0.365 ug/l  
RT: 1.856 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

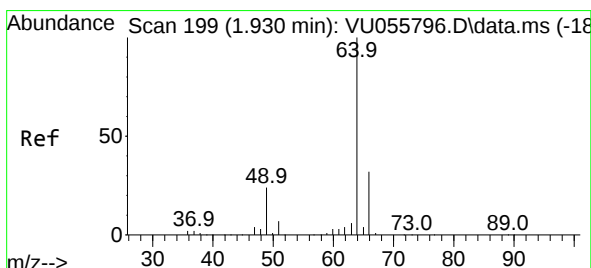
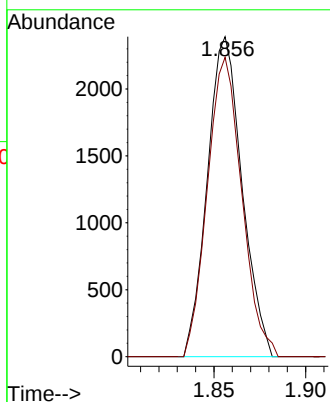
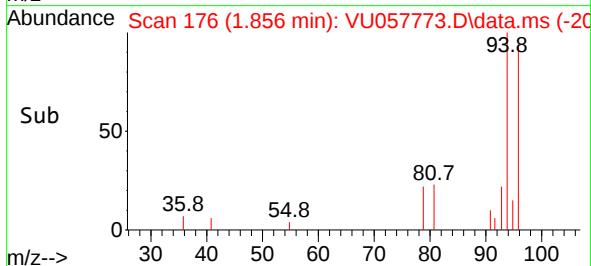
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024



Tgt Ion: 94 Resp: 314  
Ion Ratio Lower Upper  
94 100  
96 93.6 75.4 113.2

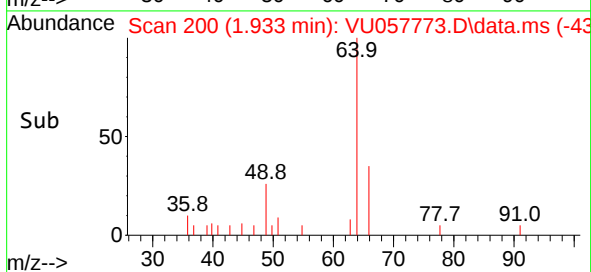
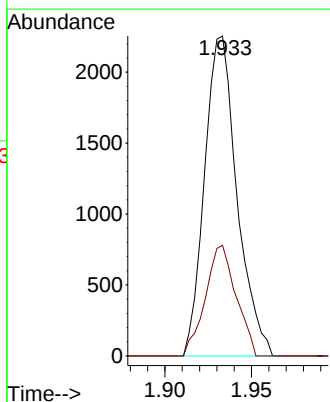
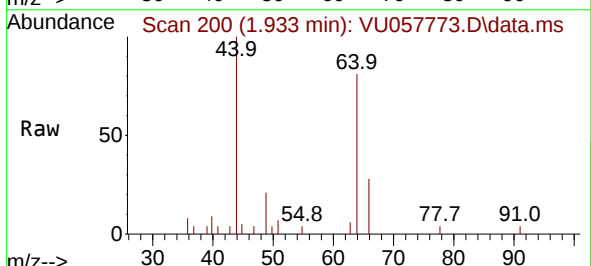
Manual Integrations  
APPROVED

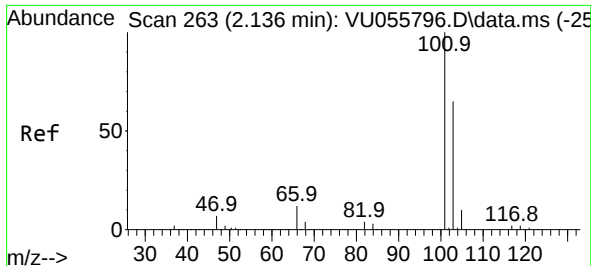
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#6  
Chloroethane  
Concen: 0.320 ug/l  
RT: 1.933 min Scan# 200  
Delta R.T. 0.003 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

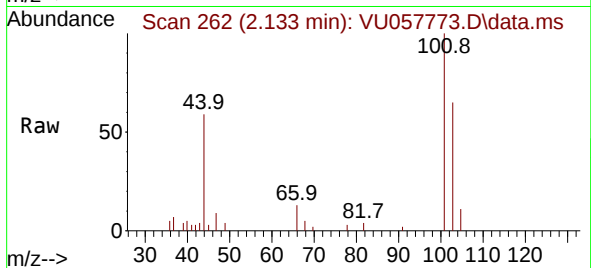
Tgt Ion: 64 Resp: 2938  
Ion Ratio Lower Upper  
64 100  
66 34.6 26.0 39.0





#7  
Trichlorofluoromethane  
Concen: 0.303 ug/l  
RT: 2.133 min Scan# 201  
Delta R.T. -0.003 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

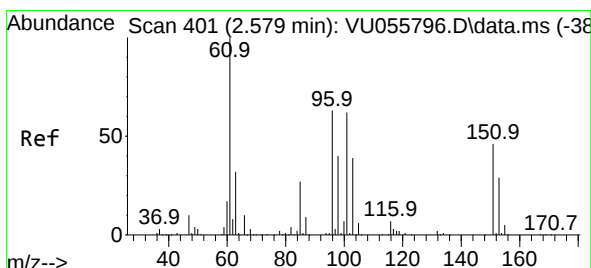
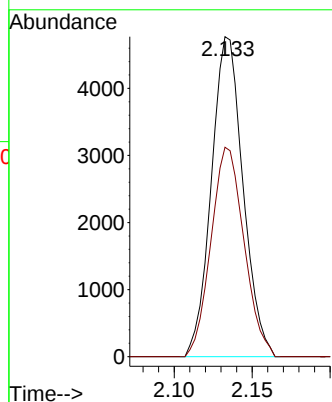
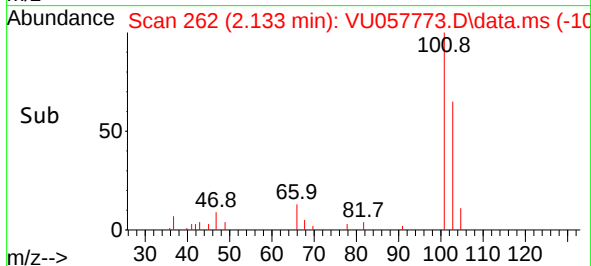
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024



Tgt Ion:101 Resp: 673  
Ion Ratio Lower Upper  
101 100  
103 65.5 51.4 77.0

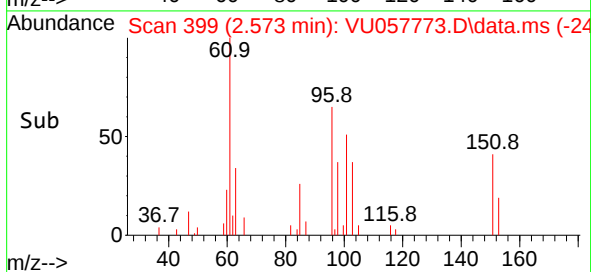
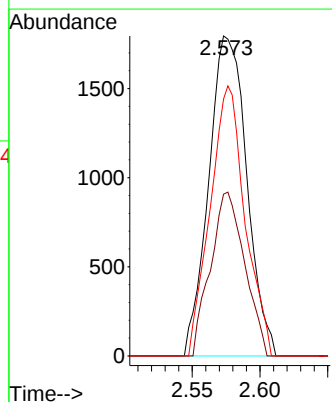
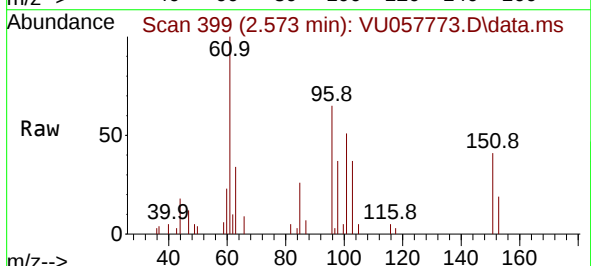
Manual Integrations  
APPROVED

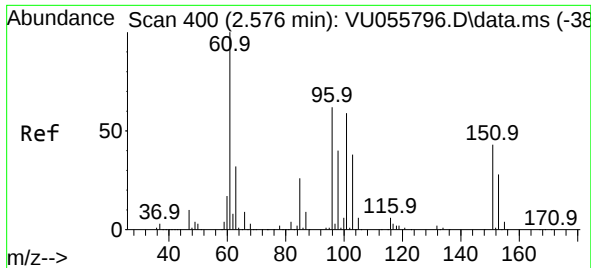
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#8  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.306 ug/l  
RT: 2.573 min Scan# 399  
Delta R.T. -0.006 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

Tgt Ion:101 Resp: 3501  
Ion Ratio Lower Upper  
101 100  
85 46.0 35.4 53.0  
151 77.3 54.0 81.0





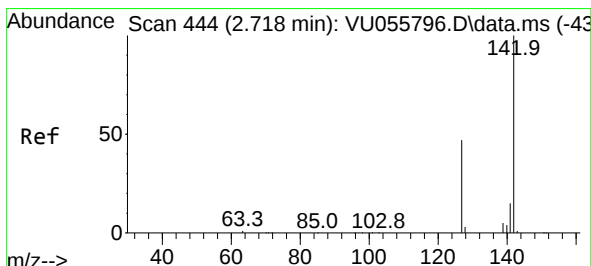
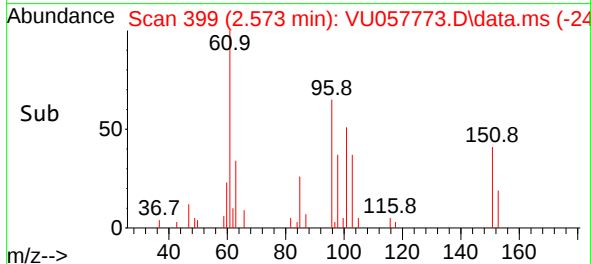
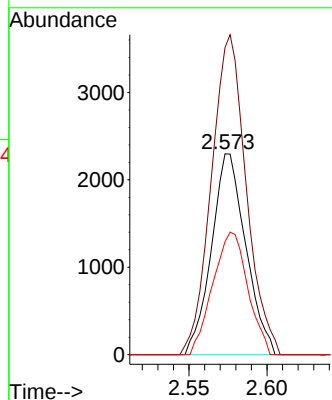
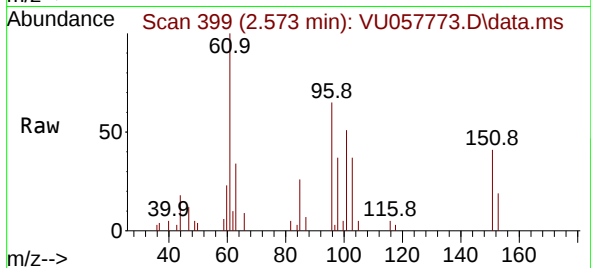
#9  
1,1-Dichloroethene  
Concen: 0.318 ug/l  
RT: 2.573 min Scan# 399  
Delta R.T. -0.003 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

Instrument : MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024

Tgt Ion: 96 Resp: 3518  
Ion Ratio Lower Upper  
96 100  
61 153.0 0.0 521.4  
98 56.2 0.0 125.8

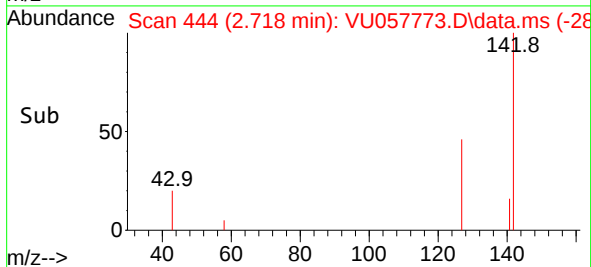
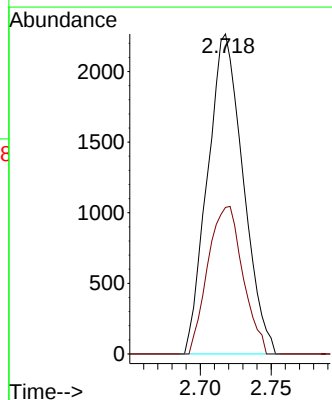
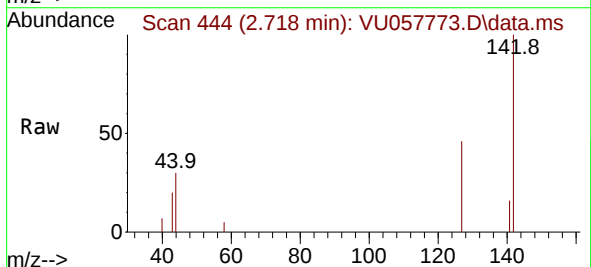
Manual Integrations  
APPROVED

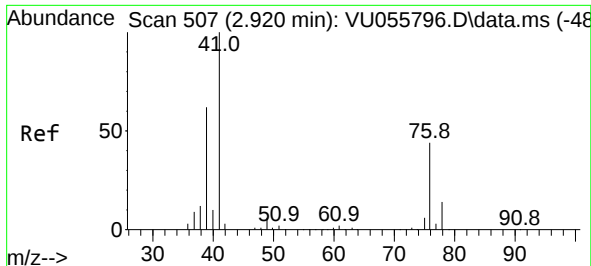
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#10  
Iodomethane  
Concen: 0.301 ug/l  
RT: 2.718 min Scan# 444  
Delta R.T. -0.000 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

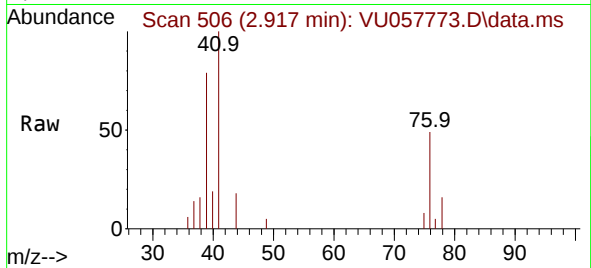
Tgt Ion:142 Resp: 3953  
Ion Ratio Lower Upper  
142 100  
127 45.3 35.9 53.9





#11  
 Allyl Chloride  
 Concen: 0.314 ug/l  
 RT: 2.917 min Scan# 507  
 Delta R.T. -0.003 min  
 Lab File: VU057773.D  
 Acq: 01 Feb 2024 12:32

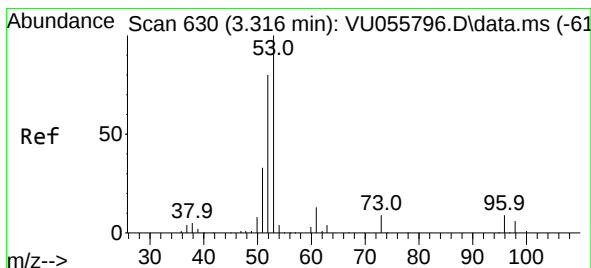
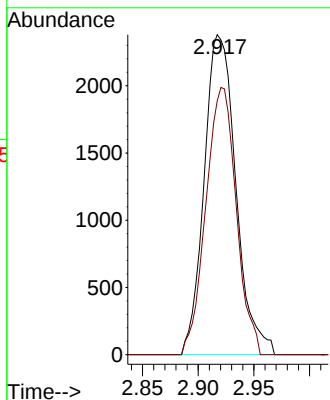
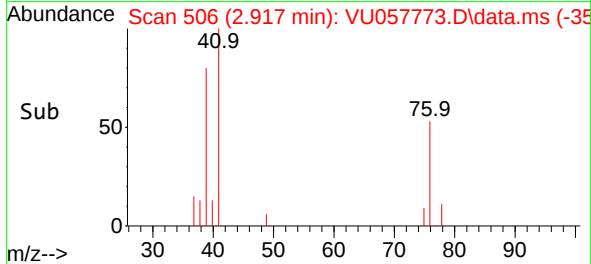
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT1-2024



Tgt Ion: 41 Resp: 472  
 Ion Ratio Lower Upper  
 41 100  
 39 80.0 54.2 81.2

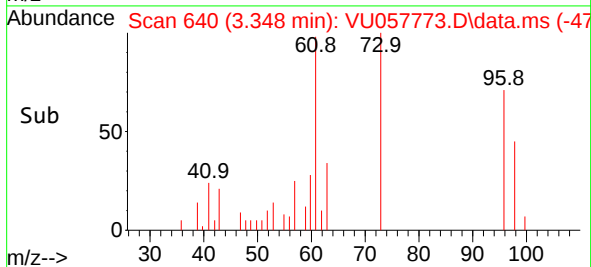
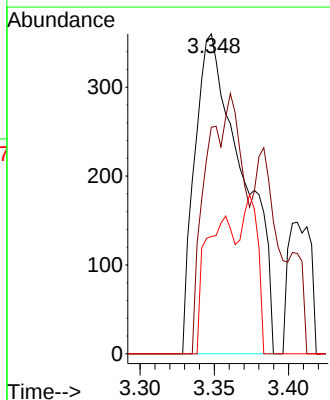
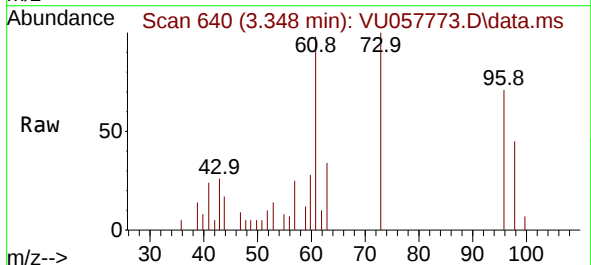
Manual Integrations  
 APPROVED

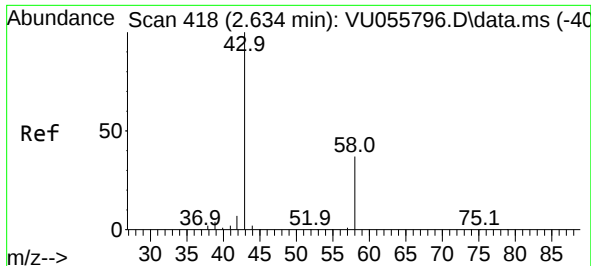
Reviewed By :Semsettin Yesilyurt 02/08/2024  
 Supervised By :Mahesh Dadoda 02/08/2024



#12  
 Acrylonitrile  
 Concen: 0.429 ug/l  
 RT: 3.348 min Scan# 640  
 Delta R.T. 0.032 min  
 Lab File: VU057773.D  
 Acq: 01 Feb 2024 12:32

Tgt Ion: 53 Resp: 811  
 Ion Ratio Lower Upper  
 53 100  
 52 63.6 62.9 94.3  
 51 25.6 27.8 41.6#





#13

Acetone

Concen: 1.653 ug/l

RT: 2.653 min Scan# 41

Delta R.T. 0.019 min

Lab File: VU057773.D

Acq: 01 Feb 2024 12:32

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2024

Tgt Ion: 43 Resp: 565

Ion Ratio Lower Upper

43 100

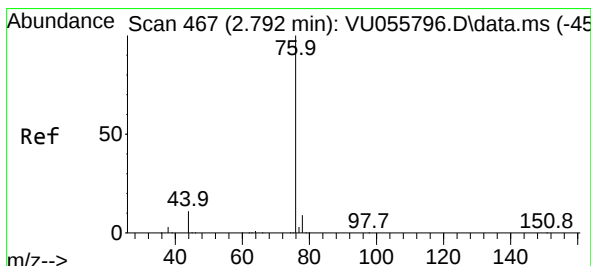
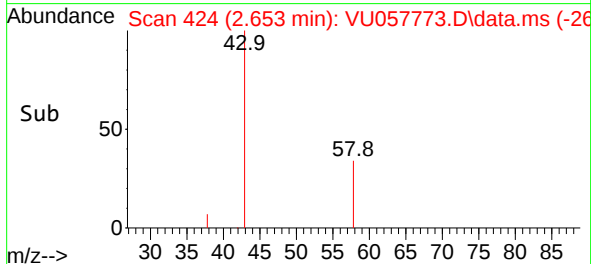
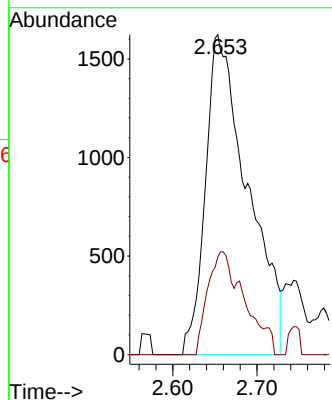
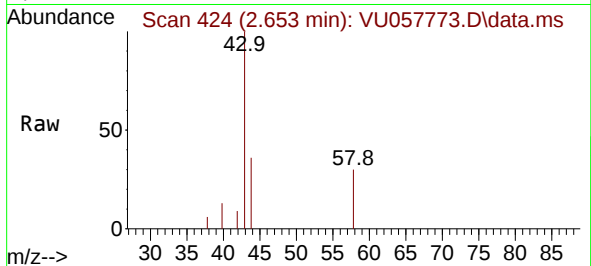
58 30.5 29.0 43.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/08/2024

Supervised By :Mahesh Dadoda 02/08/2024



#14

Carbon Disulfide

Concen: 0.321 ug/l

RT: 2.789 min Scan# 466

Delta R.T. -0.003 min

Lab File: VU057773.D

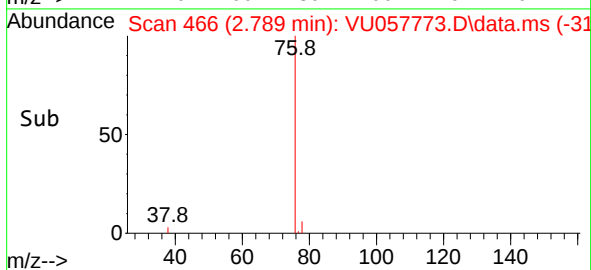
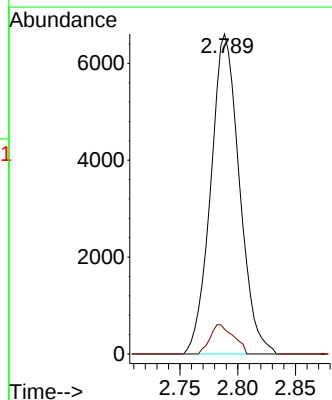
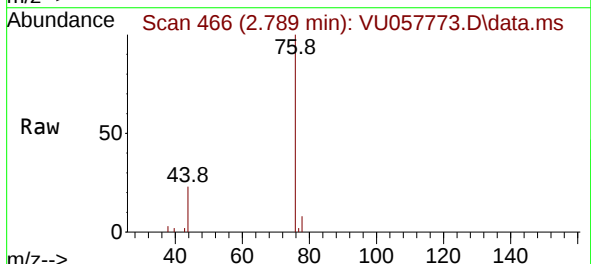
Acq: 01 Feb 2024 12:32

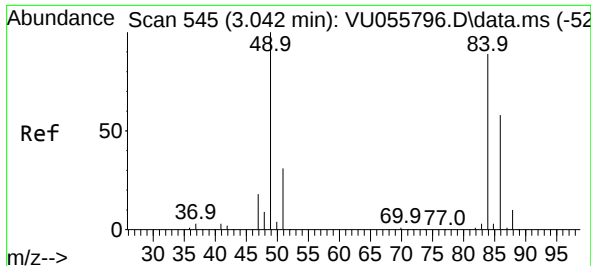
Tgt Ion: 76 Resp: 11396

Ion Ratio Lower Upper

76 100

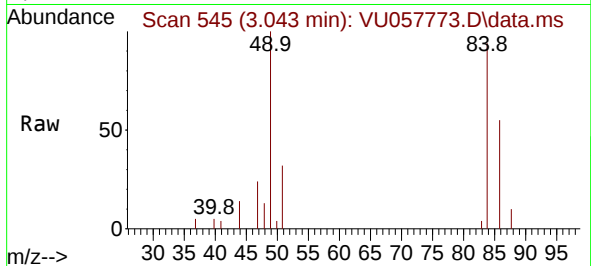
78 7.8 7.4 11.0





#15  
Methylene Chloride  
Concen: 0.408 ug/l  
RT: 3.043 min Scan# 545  
Delta R.T. 0.001 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

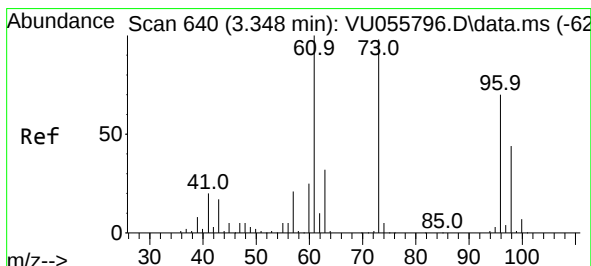
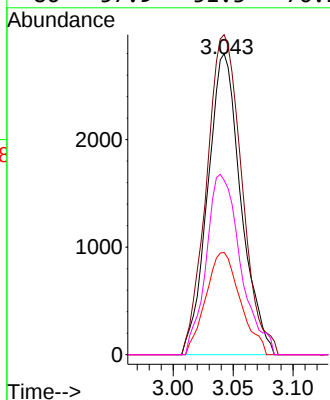
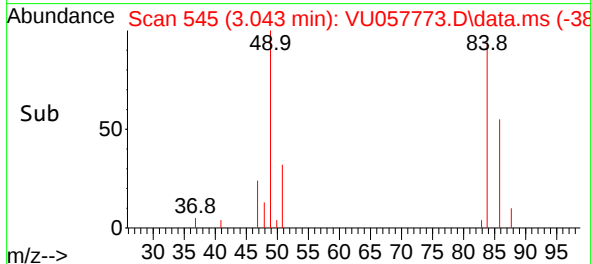
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024



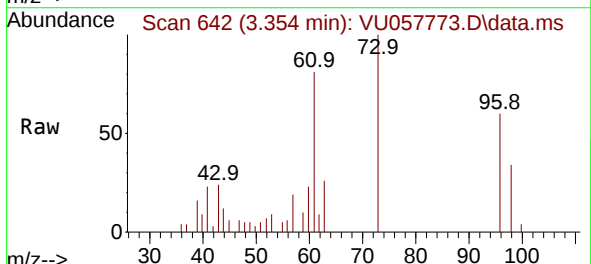
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 5394  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 106.3    | 98.9 148.3  |
| 51 34.0     | 0.0 75.4    |
| 86 57.9     | 51.3 76.9   |

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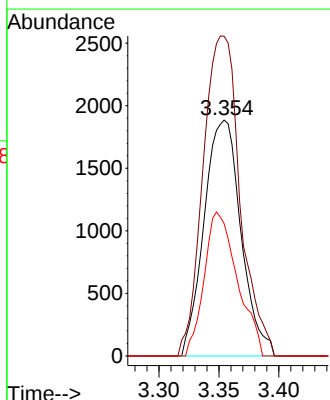
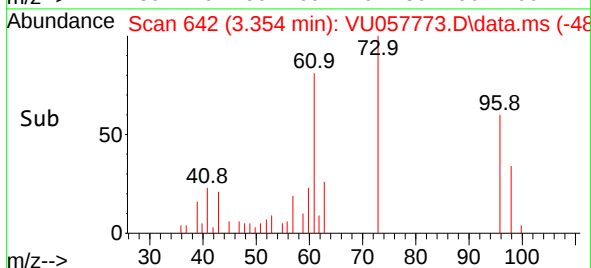
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024

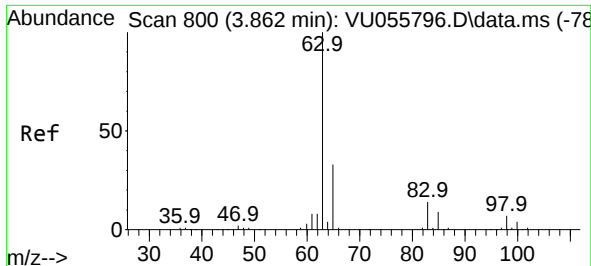


#16  
trans-1,2-Dichloroethene  
Concen: 0.334 ug/l  
RT: 3.354 min Scan# 642  
Delta R.T. 0.006 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32



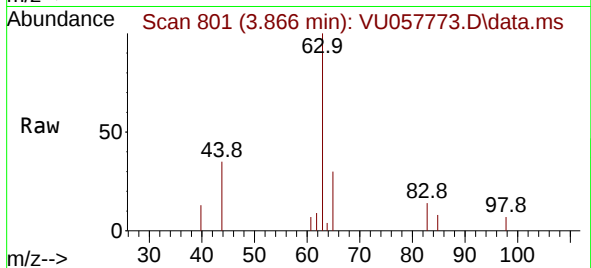
|             |            |       |       |
|-------------|------------|-------|-------|
| Tgt Ion: 96 | Resp: 4034 |       |       |
| Ion Ratio   | Lower      | Upper |       |
| 96          | 100        |       |       |
| 61          | 135.5      | 117.5 | 176.3 |
| 98          | 56.1       | 48.3  | 72.5  |





#17  
1,1-Dichloroethane  
Concen: 0.298 ug/l  
RT: 3.866 min Scan# 800  
Delta R.T. 0.004 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

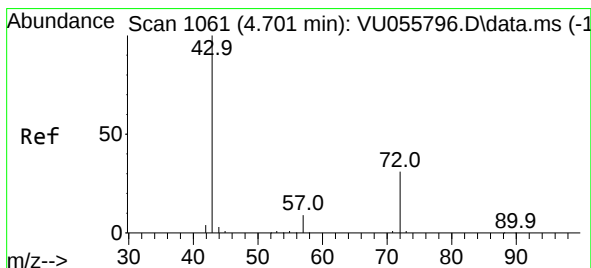
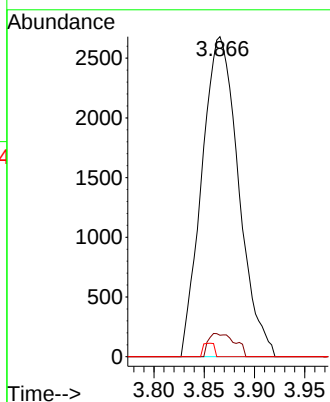
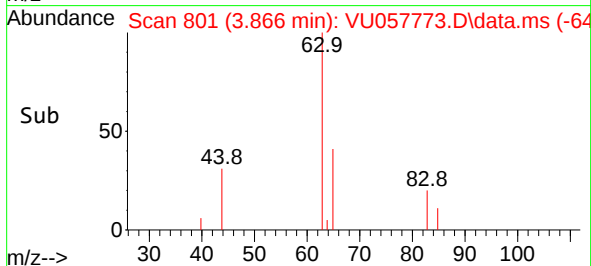
Instrument : MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024



Tgt Ion: 63 Resp: 6810  
Ion Ratio Lower Upper  
63 100  
98 6.7 3.4 10.1  
100 0.0 2.2 6.6

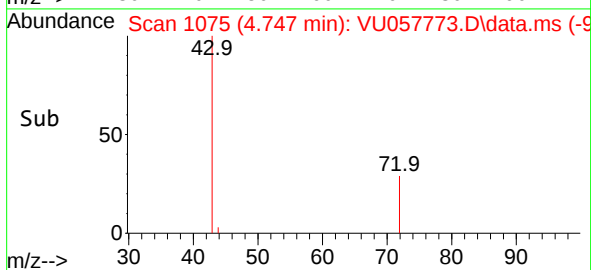
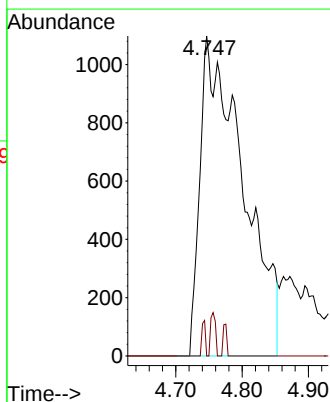
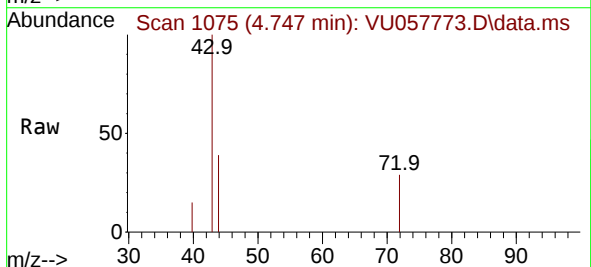
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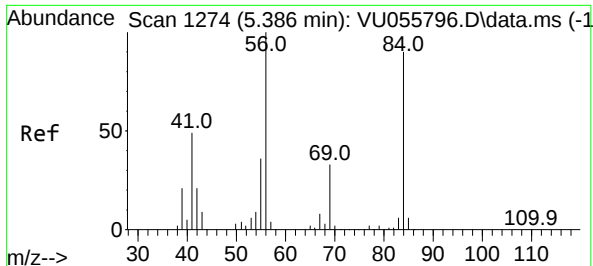
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#18  
2-Butanone  
Concen: 1.327 ug/l m  
RT: 4.747 min Scan# 1075  
Delta R.T. 0.046 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

Tgt Ion: 43 Resp: 4895  
Ion Ratio Lower Upper  
43 100  
57 0.0 0.0 19.6





#19

Cyclohexane

Concen: 0.349 ug/l

RT: 5.386 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU057773.D

Acq: 01 Feb 2024 12:32

Instrument :

MSVOA\_U

ClientSampleId :

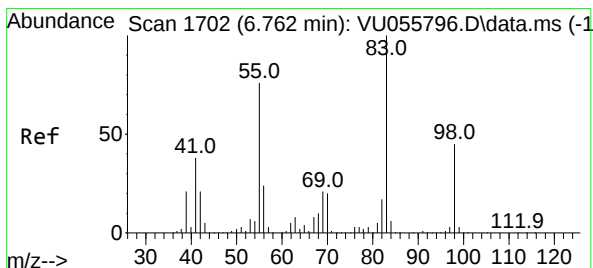
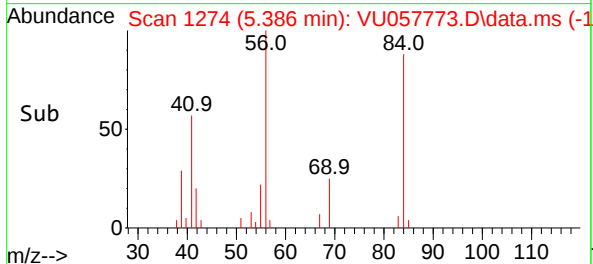
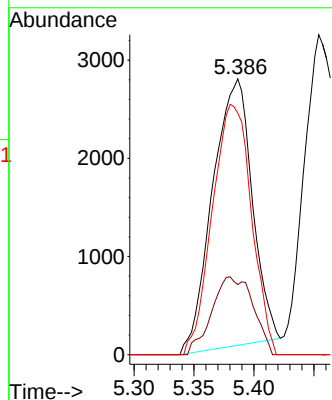
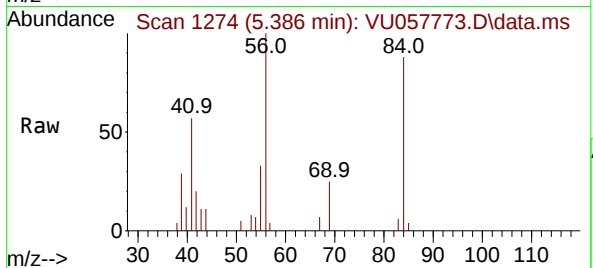
LOD-MDL-WATER-01-QT1-2024

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 625   |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 30.4  | 24.6  | 37.0  |
| 84        | 92.4  | 68.4  | 102.6 |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#20

Methylcyclohexane

Concen: 0.296 ug/l

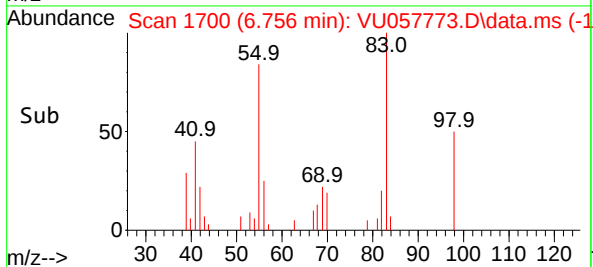
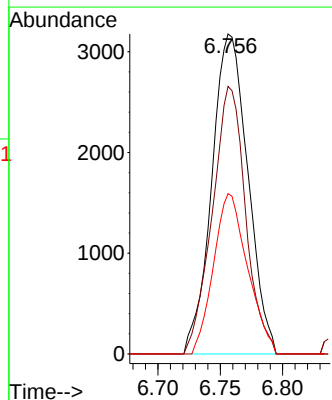
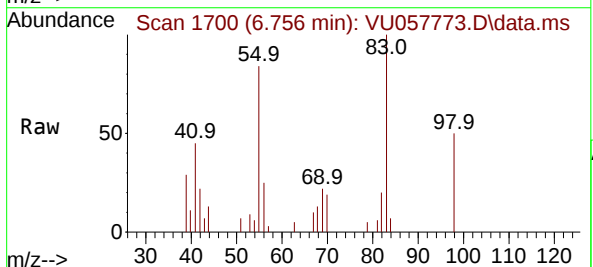
RT: 6.756 min Scan# 1700

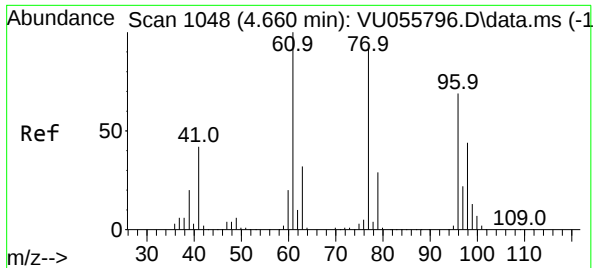
Delta R.T. -0.006 min

Lab File: VU057773.D

Acq: 01 Feb 2024 12:32

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 83    | Resp: | 6394 |
| Ion Ratio | Lower | Upper |      |
| 83        | 100   |       |      |
| 55        | 77.3  | 63.5  | 95.3 |
| 98        | 47.4  | 36.0  | 54.0 |





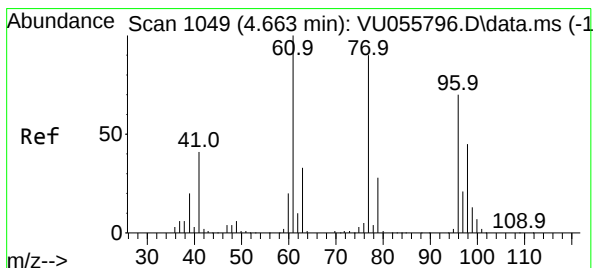
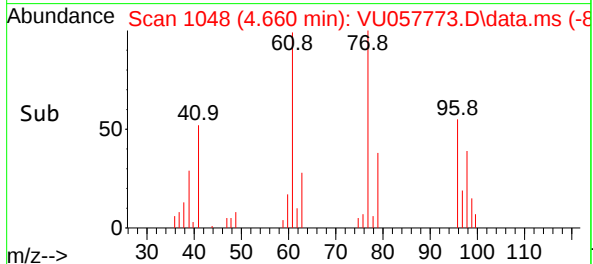
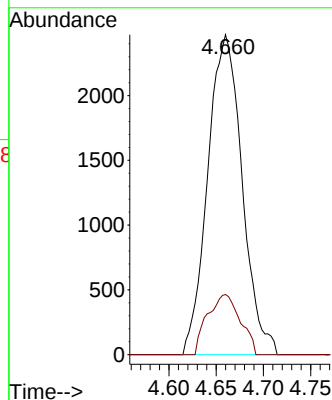
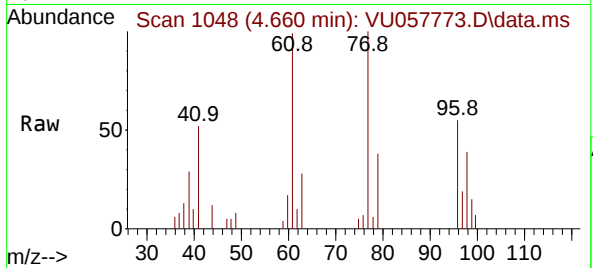
#21  
2,2-Dichloropropane  
Concen: 0.308 ug/l  
RT: 4.660 min Scan# 1052  
Delta R.T. -0.000 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024

Tgt Ion: 77 Resp: 6250  
Ion Ratio Lower Upper  
77 100  
97 17.9 18.4 27.6

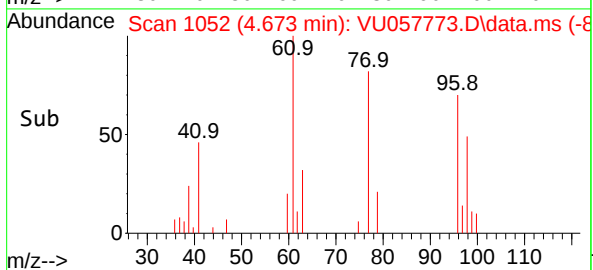
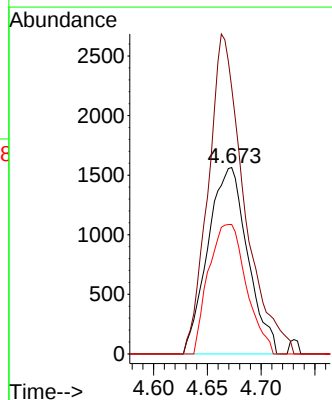
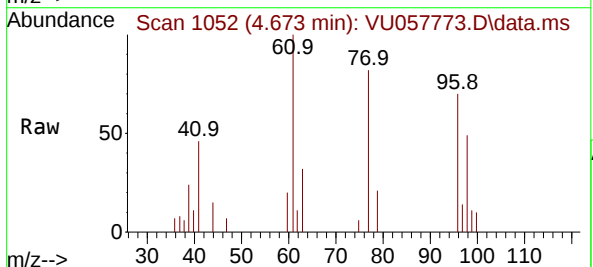
Manual Integrations  
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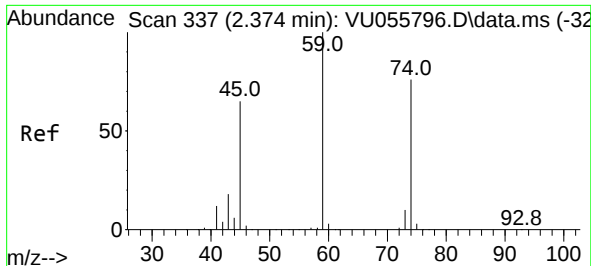
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#22  
cis-1,2-Dichloroethene  
Concen: 0.303 ug/l  
RT: 4.673 min Scan# 1052  
Delta R.T. 0.010 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

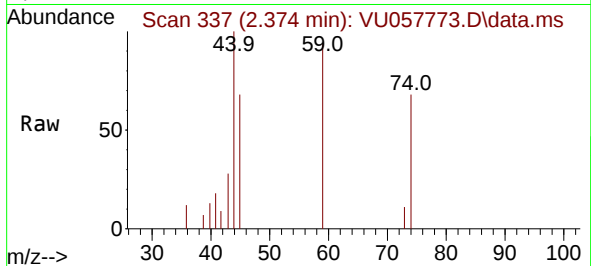
Tgt Ion: 96 Resp: 4017  
Ion Ratio Lower Upper  
96 100  
61 154.6 0.0 365.8  
98 65.7 32.0 96.0





#23  
Diethyl Ether  
Concen: 0.327 ug/l  
RT: 2.374 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

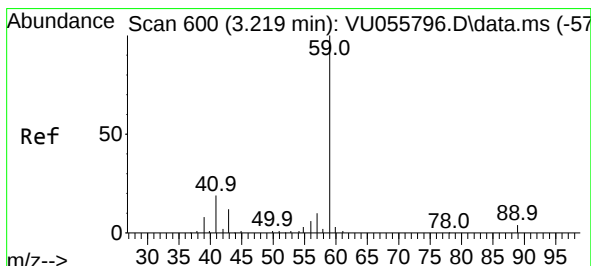
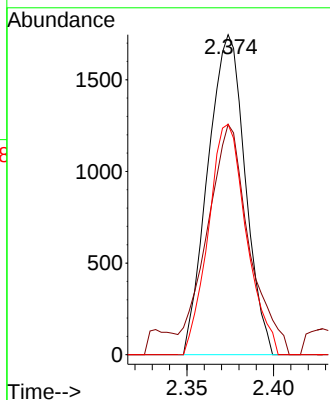
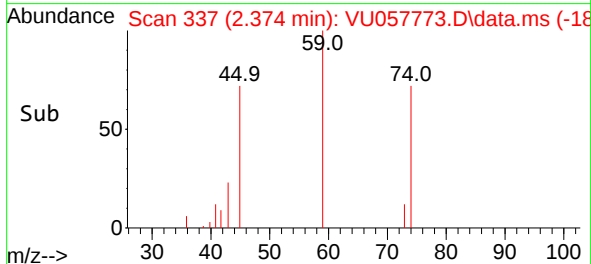
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT1-2024



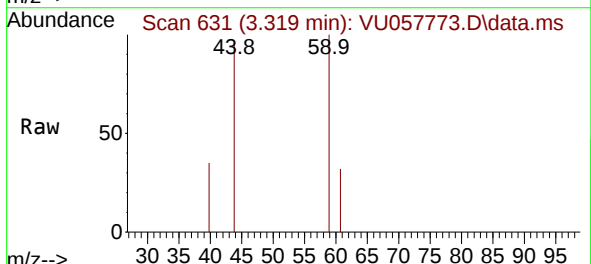
Tgt Ion: 59 Resp: 2610  
Ion Ratio Lower Upper  
59 100  
45 80.8 56.1 84.1  
74 73.3 57.4 86.2

Manual Integrations  
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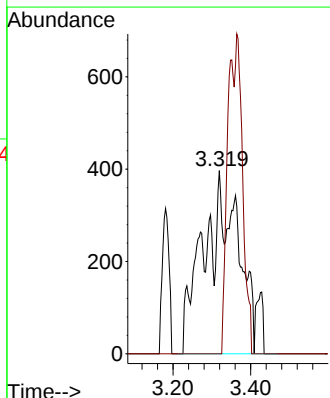
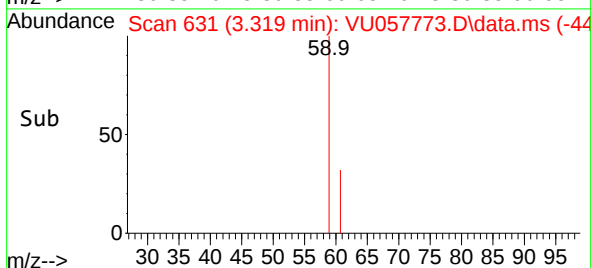
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024

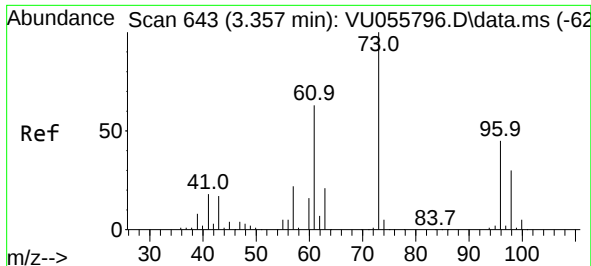


#24  
tert-Butyl Alcohol  
Concen: 2.837 ug/l m  
RT: 3.319 min Scan# 631  
Delta R.T. 0.100 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32



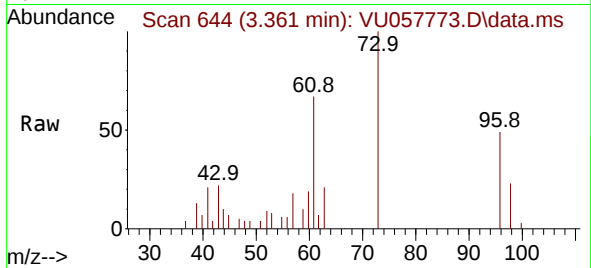
Tgt Ion: 59 Resp: 2578  
Ion Ratio Lower Upper  
59 100  
57 0.0 105.6 158.4#





#25  
Methyl tert-Butyl Ether  
Concen: 0.321 ug/l  
RT: 3.361 min Scan# 643  
Delta R.T. 0.004 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

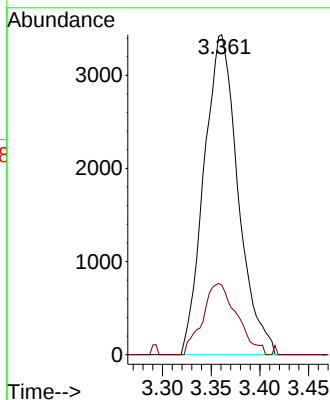
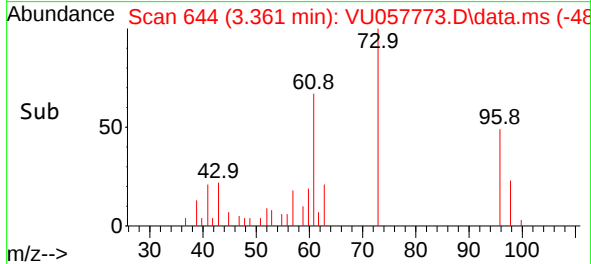
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024



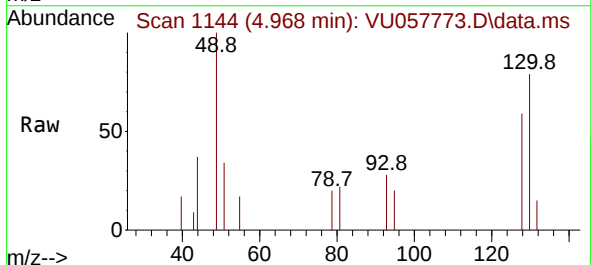
Tgt Ion: 73 Resp: 834  
Ion Ratio Lower Upper  
73 100  
43 22.5 15.0 22.6

Manual Integrations  
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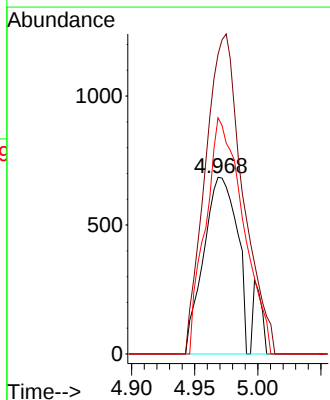
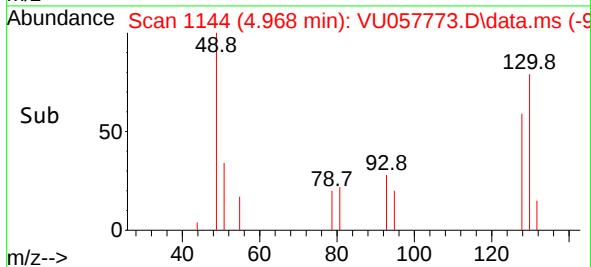
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024

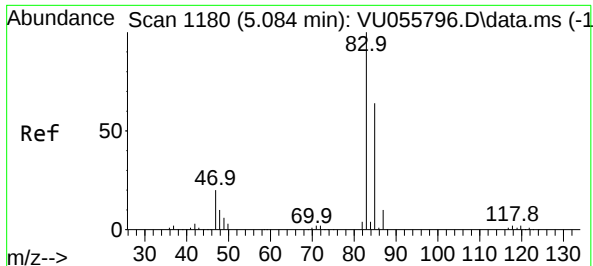


#26  
Bromochloromethane  
Concen: 0.263 ug/l m  
RT: 4.968 min Scan# 1144  
Delta R.T. 0.000 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32



Tgt Ion:128 Resp: 1397  
Ion Ratio Lower Upper  
128 100  
49 184.2 0.0 324.6  
130 136.3 103.0 154.4





#27

Chloroform

Concen: 0.323 ug/l

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU057773.D

Acq: 01 Feb 2024 12:32

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2024

Tgt Ion: 83 Resp: 766

Ion Ratio Lower Upper

83 100

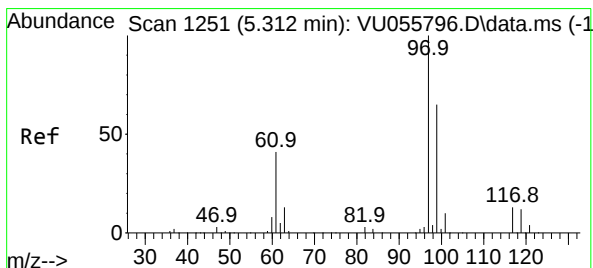
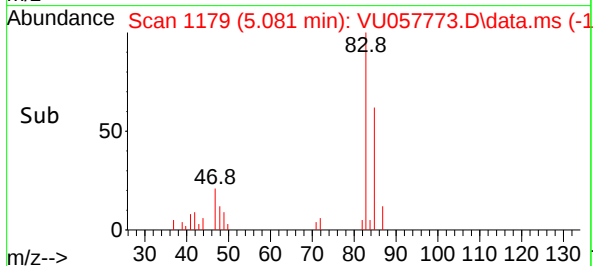
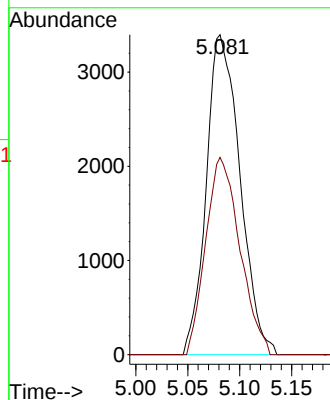
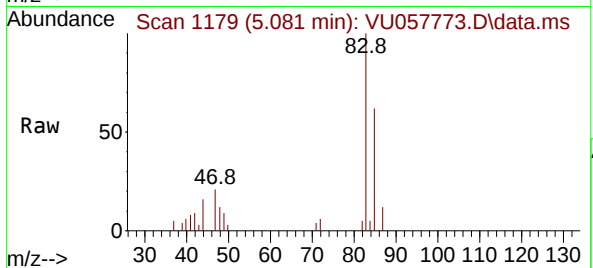
85 61.7 0.0 126.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024

Supervised By :Mahesh Dadoda 02/08/2024



#28

1,1,1-Trichloroethane

Concen: 0.305 ug/l

RT: 5.306 min Scan# 1249

Delta R.T. -0.006 min

Lab File: VU057773.D

Acq: 01 Feb 2024 12:32

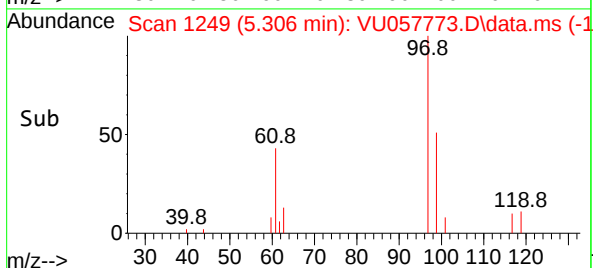
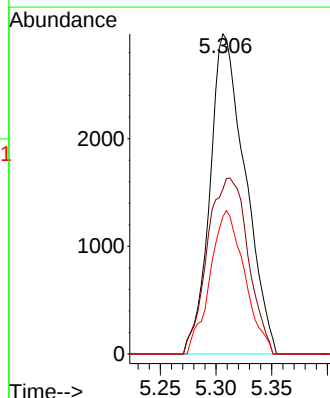
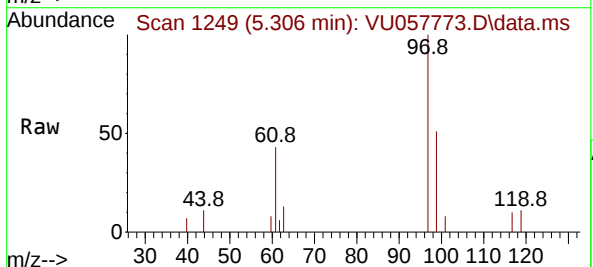
Tgt Ion: 97 Resp: 6544

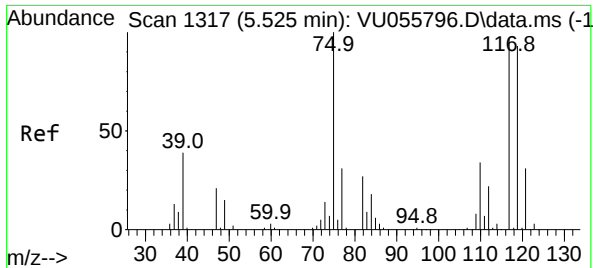
Ion Ratio Lower Upper

97 100

99 63.3 32.0 96.2

61 43.8 22.9 68.5





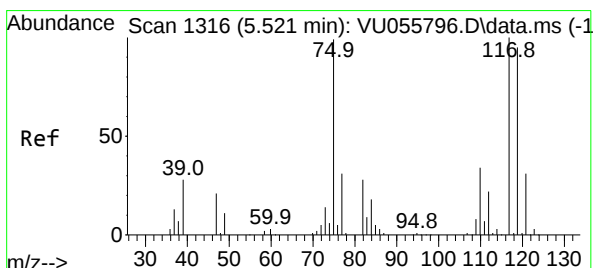
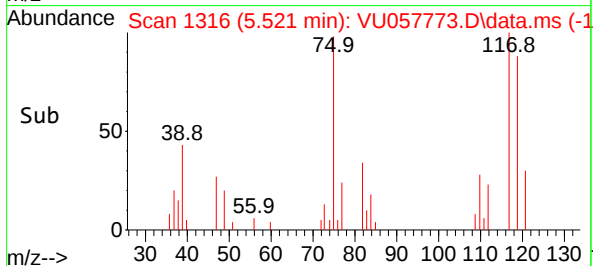
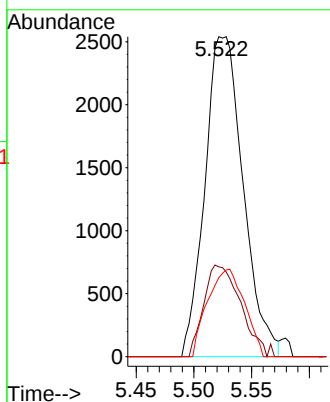
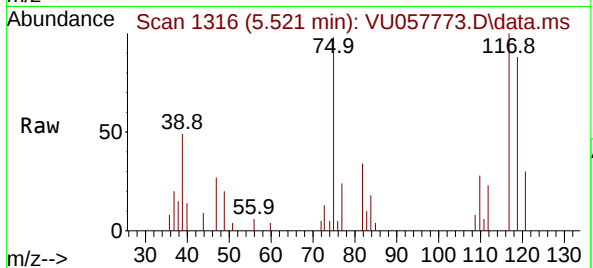
#29  
1,1-Dichloropropene  
Concen: 0.338 ug/l  
RT: 5.521 min Scan# 1316  
Delta R.T. -0.004 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

Instrument : MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024

Tgt Ion: 75 Resp: 585  
Ion Ratio Lower Upper  
75 100  
110 27.7 18.0 54.0  
77 26.3 24.7 37.1

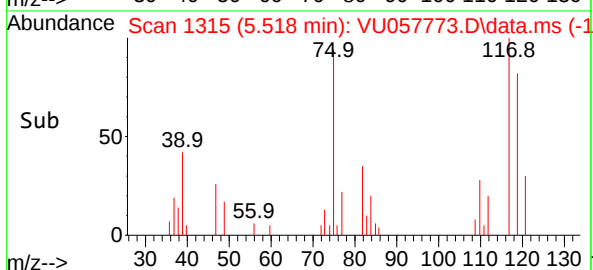
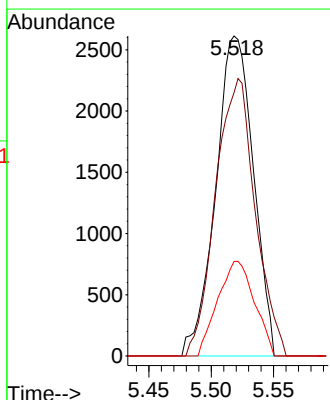
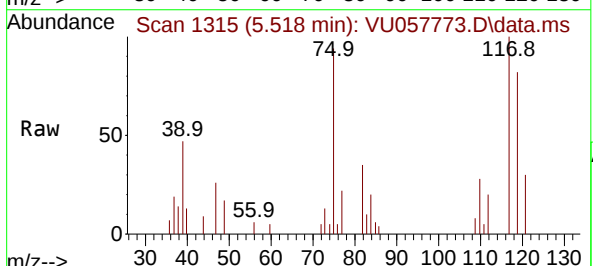
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#30  
Carbon Tetrachloride  
Concen: 0.297 ug/l  
RT: 5.518 min Scan# 1315  
Delta R.T. -0.003 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

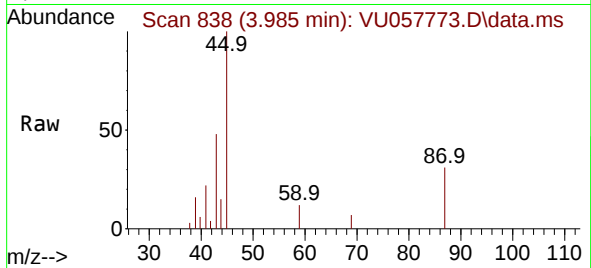
Tgt Ion:117 Resp: 5482  
Ion Ratio Lower Upper  
117 100  
119 82.3 77.4 116.0  
121 29.6 24.0 36.0





#31  
Isopropyl Ether  
Concen: 0.309 ug/l  
RT: 3.985 min Scan# 839  
Delta R.T. -0.003 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

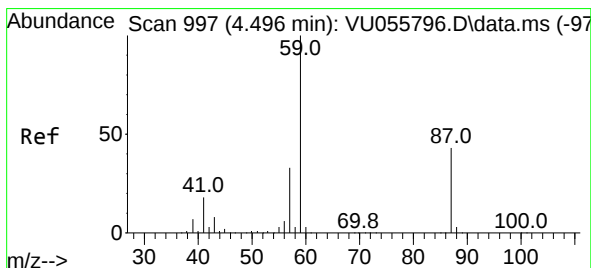
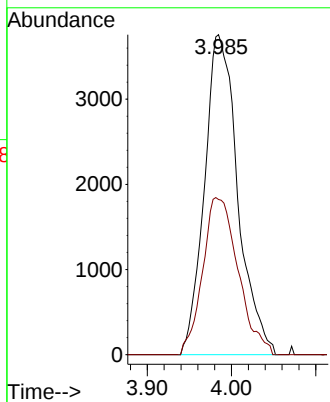
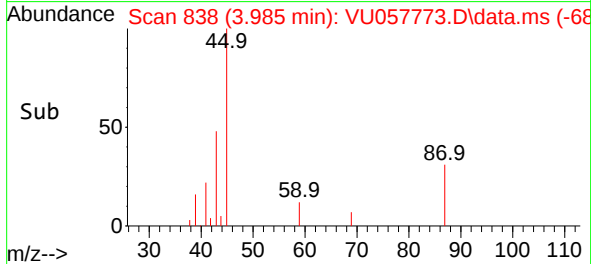
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024



Tgt Ion: 45 Resp: 1032  
Ion Ratio Lower Upper  
45 100  
43 52.1 27.5 82.5

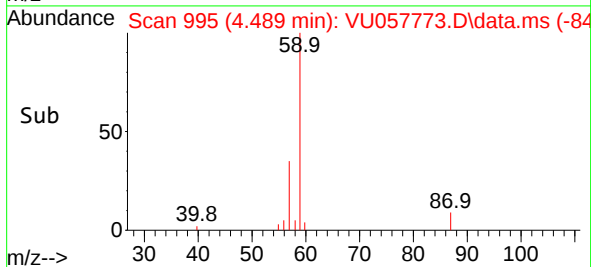
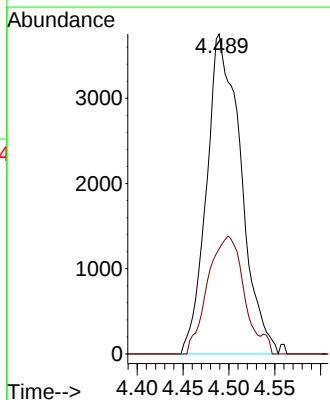
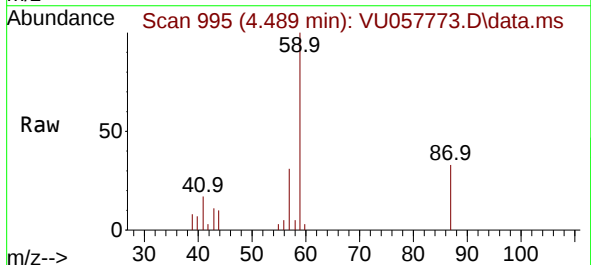
Manual Integrations  
APPROVED

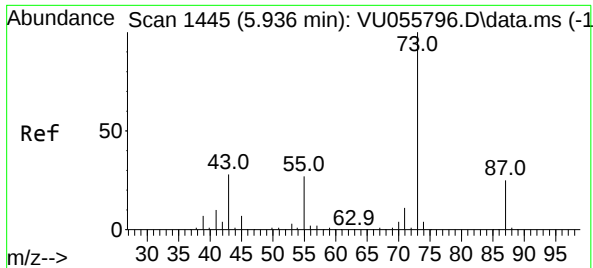
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#32  
Ethyl-t-butyl ether  
Concen: 0.315 ug/l  
RT: 4.489 min Scan# 995  
Delta R.T. -0.007 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

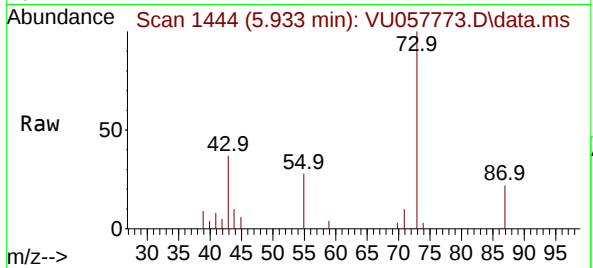
Tgt Ion: 59 Resp: 9761  
Ion Ratio Lower Upper  
59 100  
87 39.3 33.5 50.3





#33  
Tert-Amyl methyl ether  
Concen: 0.294 ug/l  
RT: 5.933 min Scan# 1444  
Delta R.T. -0.003 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

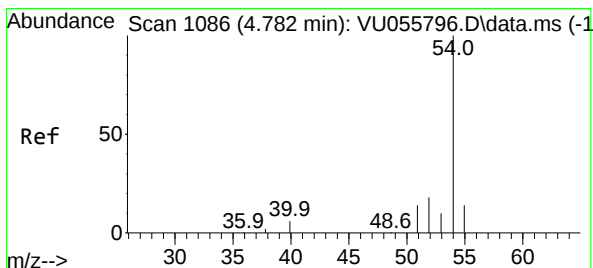
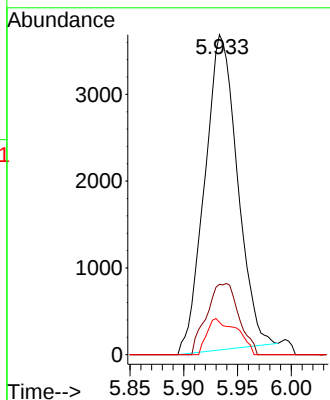
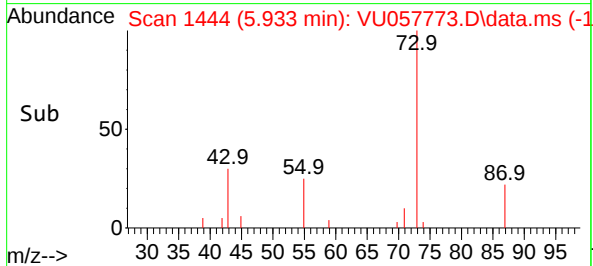
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT1-2024



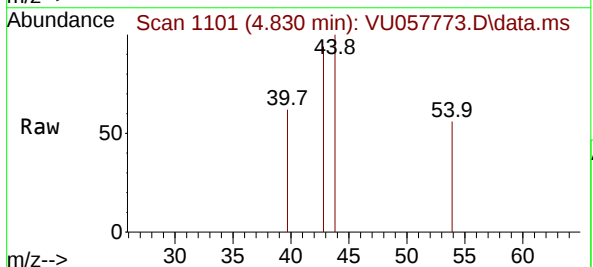
Tgt Ion: 73 Resp: 768  
Ion Ratio Lower Upper  
73 100  
87 22.1 18.6 28.0  
71 10.5 9.9 14.9

Manual Integrations  
APPROVED

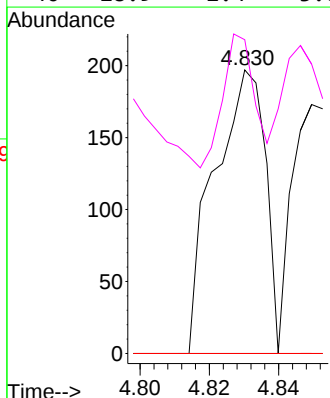
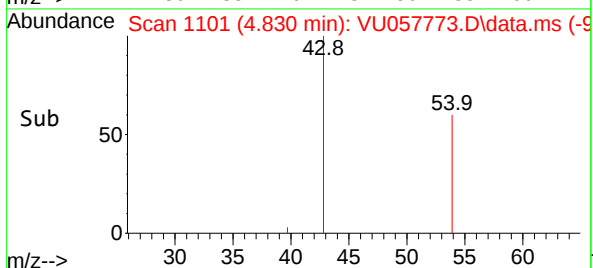
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024

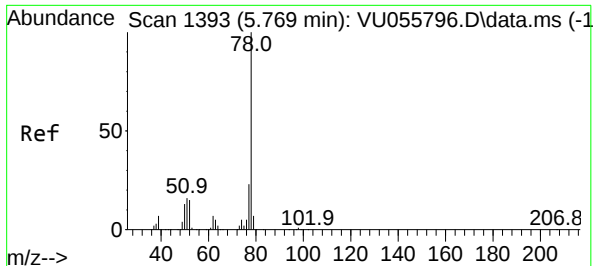


#34  
Propionitrile  
Concen: 0.263 ug/l  
RT: 4.830 min Scan# 1101  
Delta R.T. 0.048 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32



Tgt Ion: 54 Resp: 201  
Ion Ratio Lower Upper  
54 100  
52 0.0 17.4 26.0#  
55 0.0 104.1 156.1#  
40 28.9 2.4 3.6#





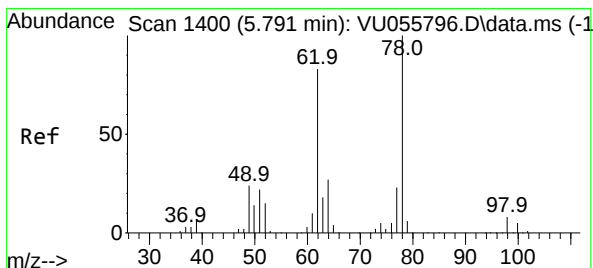
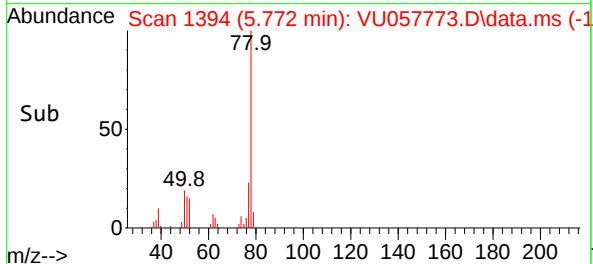
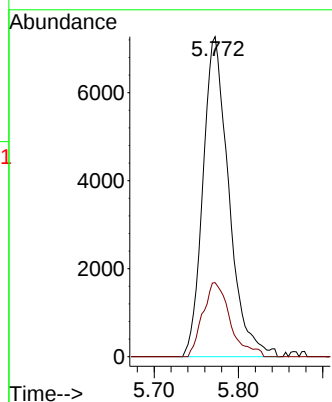
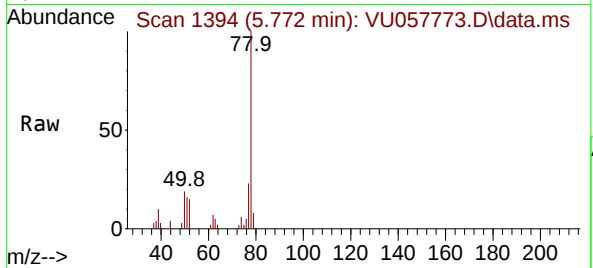
#35  
Benzene  
Concen: 0.311 ug/l  
RT: 5.772 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024

Tgt Ion: 78 Resp: 1553  
Ion Ratio Lower Upper  
78 100  
77 23.1 18.9 28.3

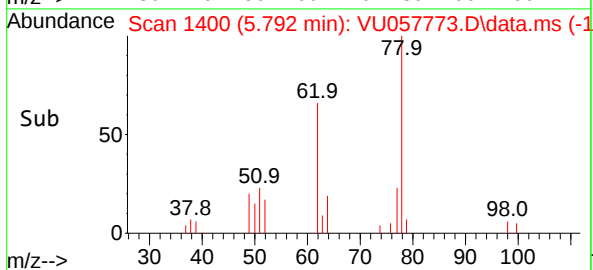
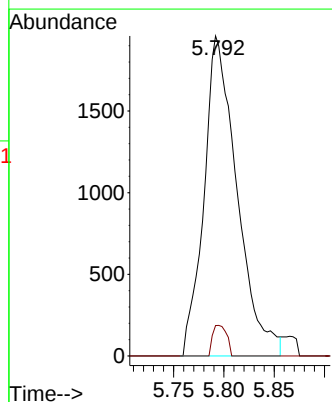
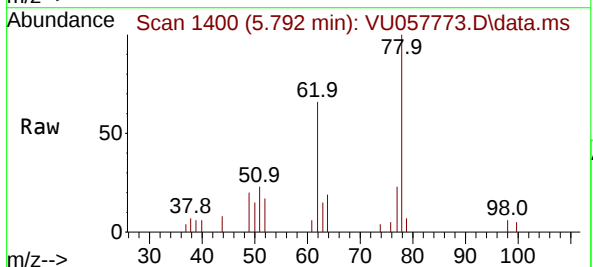
Manual Integrations  
APPROVED

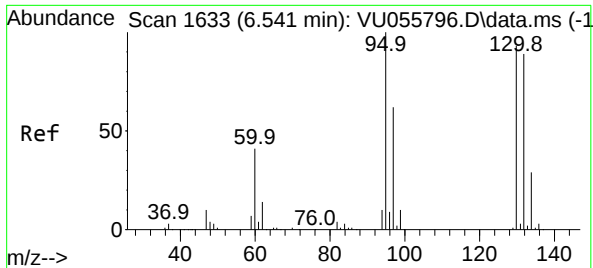
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#36  
1,2-Dichloroethane  
Concen: 0.308 ug/l  
RT: 5.792 min Scan# 1400  
Delta R.T. 0.001 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

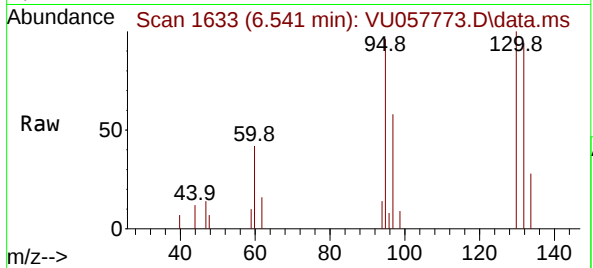
Tgt Ion: 62 Resp: 4479  
Ion Ratio Lower Upper  
62 100  
98 4.1 7.3 10.9#





#37  
Trichloroethene  
Concen: 0.329 ug/l  
RT: 6.541 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

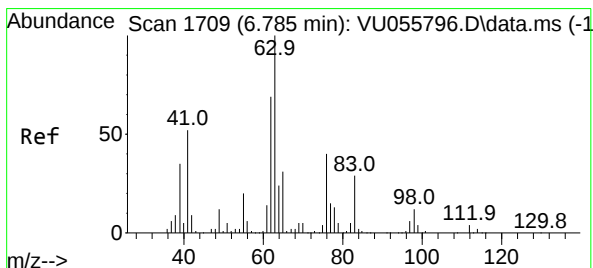
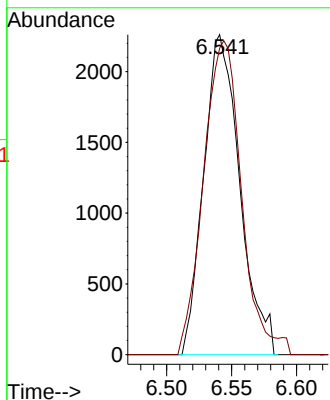
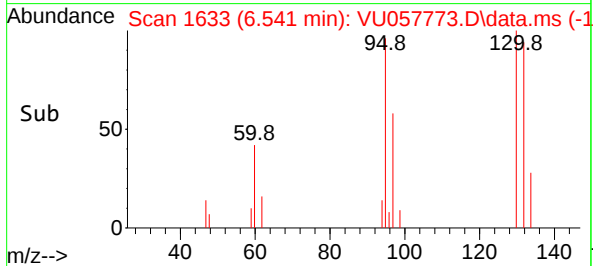
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024



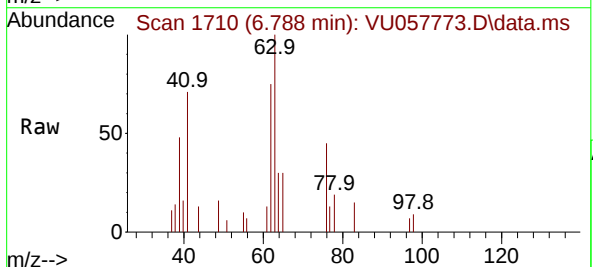
Tgt Ion:130 Resp: 4364  
Ion Ratio Lower Upper  
130 100  
95 95.8 85.0 127.6

Manual Integrations  
APPROVED

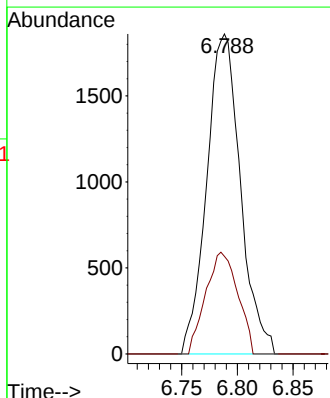
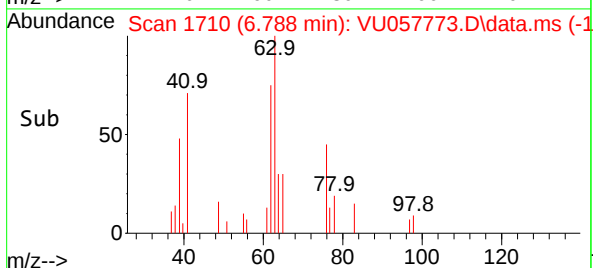
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024

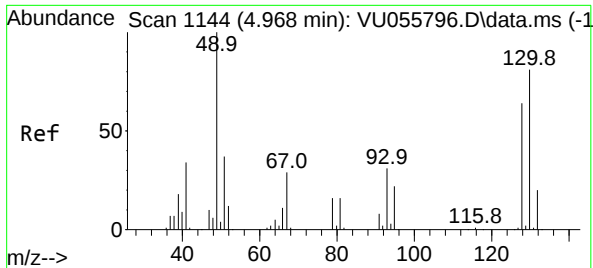


#38  
1,2-Dichloropropane  
Concen: 0.302 ug/l  
RT: 6.788 min Scan# 1710  
Delta R.T. 0.003 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32



Tgt Ion: 63 Resp: 3907  
Ion Ratio Lower Upper  
63 100  
65 30.5 24.9 37.3





#39

Methacrylonitrile

Concen: 0.212 ug/l

RT: 5.004 min Scan# 1155

Delta R.T. 0.036 min

Lab File: VU057773.D

Acq: 01 Feb 2024 12:32

Instrument :

MSVOA\_U

ClientSampleId :

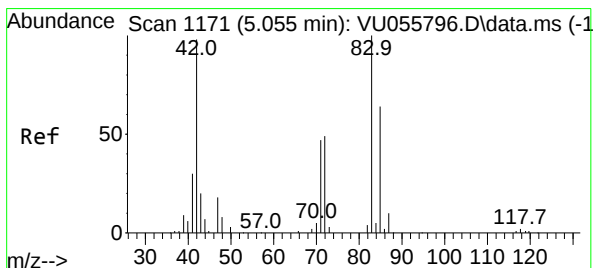
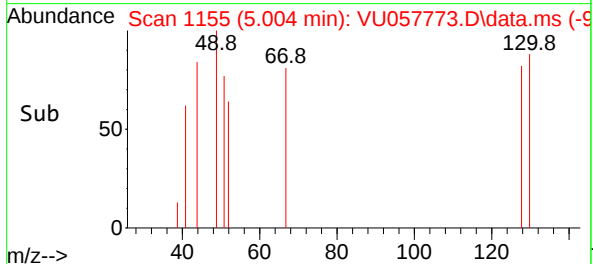
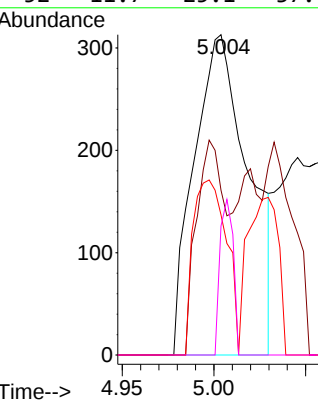
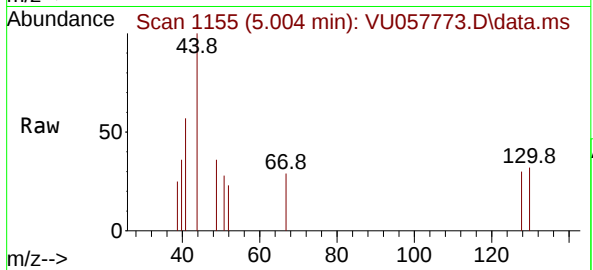
LOD-MDL-WATER-01-QT1-2024

|             |                 |
|-------------|-----------------|
| Tgt Ion: 41 | Resp: 64        |
| Ion Ratio   | Lower Upper     |
| 41          | 100             |
| 67          | 33.7 66.8 100.2 |
| 39          | 33.4 41.2 61.8  |
| 52          | 11.7 25.1 37.7  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#41

Tetrahydrofuran

Concen: 0.706 ug/l m

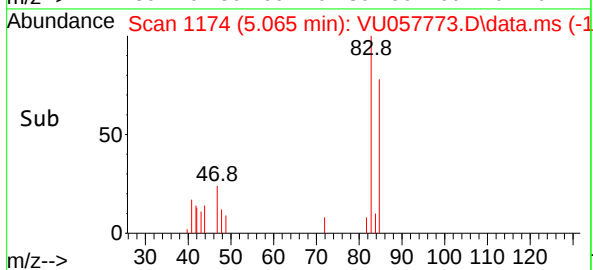
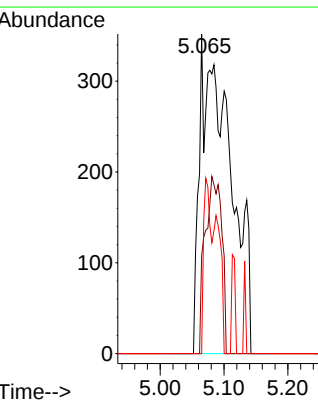
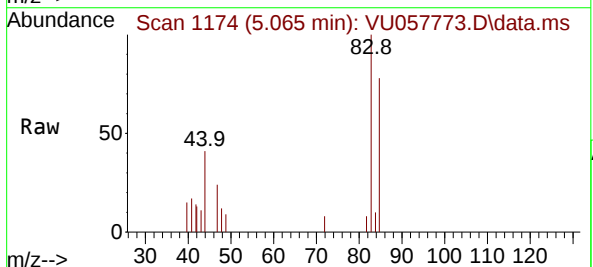
RT: 5.065 min Scan# 1174

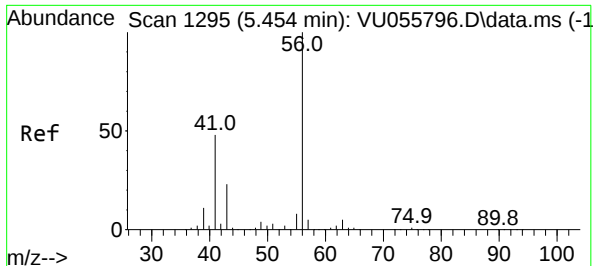
Delta R.T. 0.010 min

Lab File: VU057773.D

Acq: 01 Feb 2024 12:32

|             |                |
|-------------|----------------|
| Tgt Ion: 42 | Resp: 1149     |
| Ion Ratio   | Lower Upper    |
| 42          | 100            |
| 72          | 0.0 40.9 61.3  |
| 71          | 13.1 36.9 55.3 |





#42

1-Chlorobutane

Concen: 0.295 ug/l

RT: 5.454 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU057773.D

Acq: 01 Feb 2024 12:32

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2024

Tgt Ion: 56 Resp: 6740

Ion Ratio Lower Upper

56 100

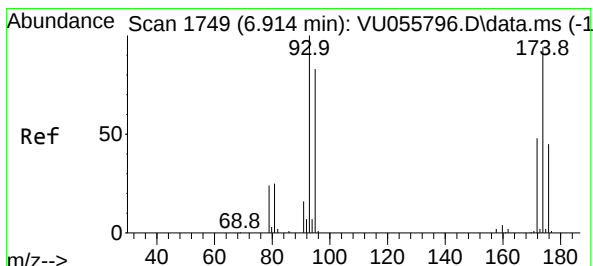
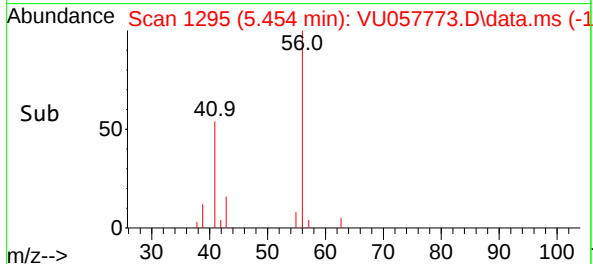
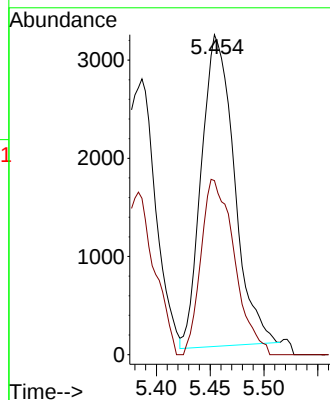
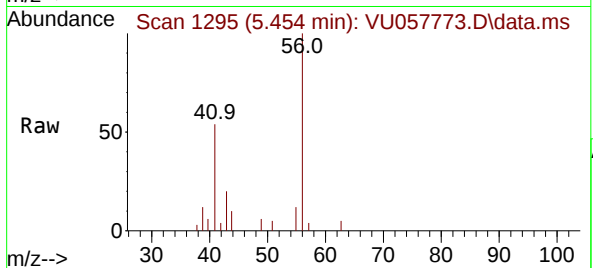
41 57.1 25.2 75.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024

Supervised By :Mahesh Dadoda 02/08/2024



#43

Dibromomethane

Concen: 0.312 ug/l

RT: 6.917 min Scan# 1750

Delta R.T. 0.003 min

Lab File: VU057773.D

Acq: 01 Feb 2024 12:32

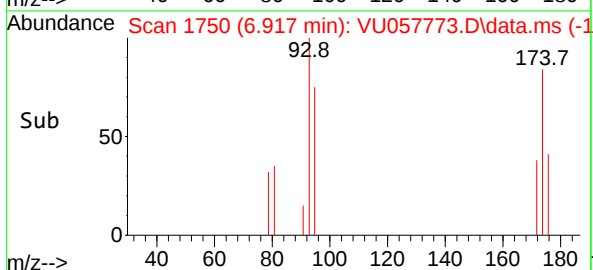
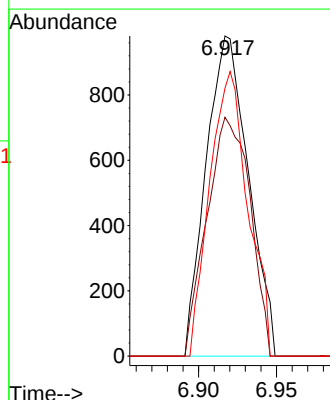
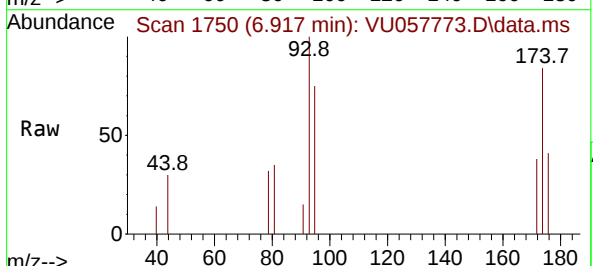
Tgt Ion: 93 Resp: 1855

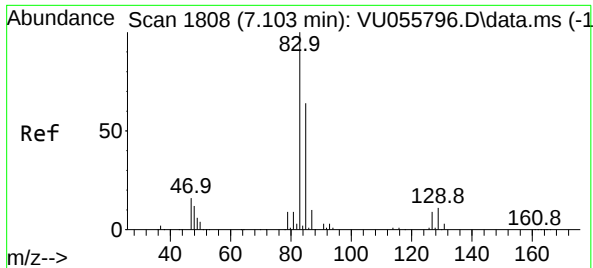
Ion Ratio Lower Upper

93 100

95 76.1 67.0 100.6

174 80.3 73.8 110.6





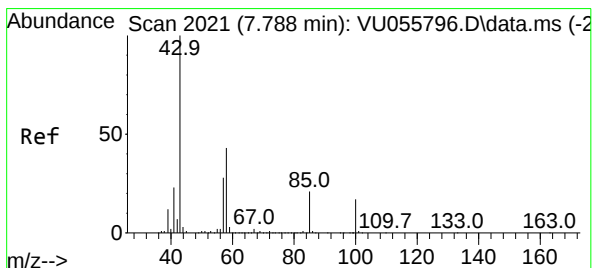
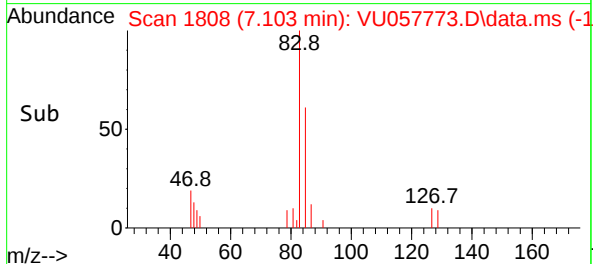
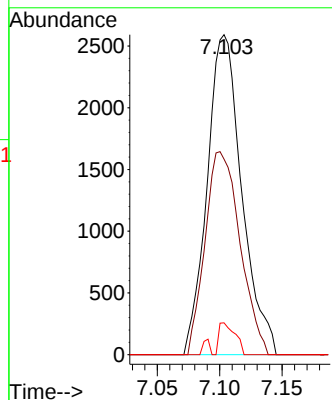
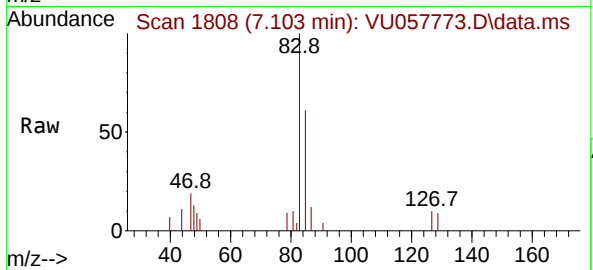
#44  
Bromodichloromethane  
Concen: 0.300 ug/l  
RT: 7.103 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024

Tgt Ion: 83 Resp: 5009  
Ion Ratio Lower Upper  
83 100  
85 61.1 51.9 77.9  
127 10.0 6.7 10.1

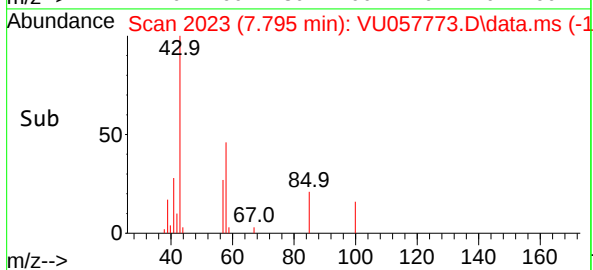
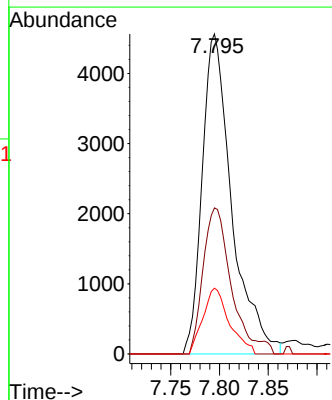
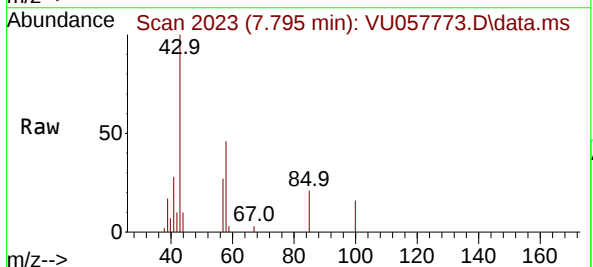
Manual Integrations  
APPROVED

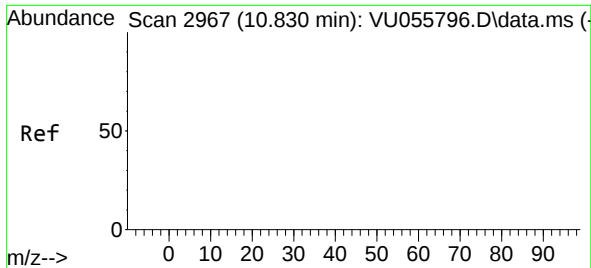
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#45  
4-Methyl-2-Pentanone  
Concen: 1.519 ug/l  
RT: 7.795 min Scan# 2023  
Delta R.T. 0.007 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

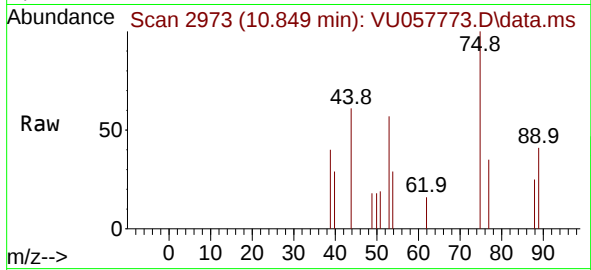
Tgt Ion: 43 Resp: 9638  
Ion Ratio Lower Upper  
43 100  
58 43.6 20.9 62.8  
85 18.3 14.6 21.8





#46  
t-1,4-Dichloro-2-butene  
Concen: 0.507 ug/l m  
RT: 10.849 min Scan# 2967  
Delta R.T. 0.019 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

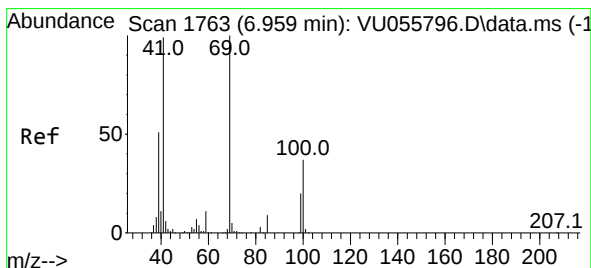
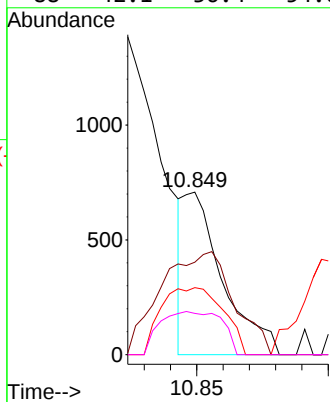
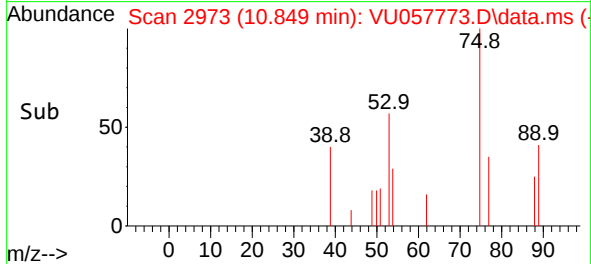
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT1-2024



Tgt Ion: 75 Resp: 73.3  
Ion Ratio Lower Upper  
75 100  
53 118.5 73.3 109.9  
89 65.5 48.2 72.4  
88 42.1 36.4 54.6

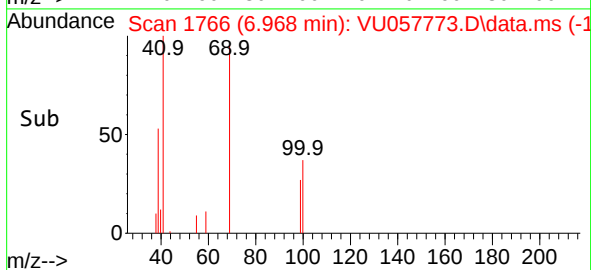
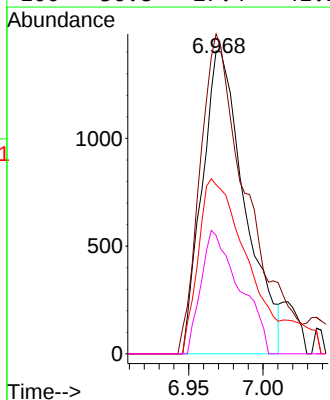
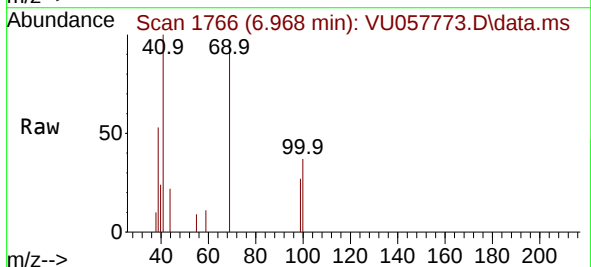
Manual Integrations  
APPROVED

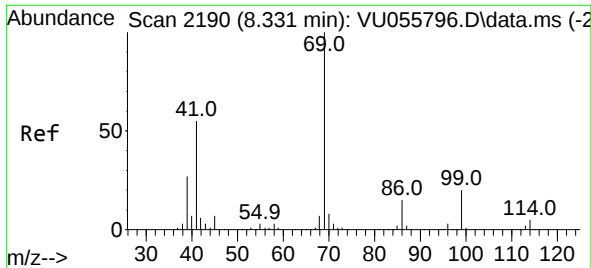
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#47  
Methyl methacrylate  
Concen: 0.534 ug/l  
RT: 6.968 min Scan# 1766  
Delta R.T. 0.009 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

Tgt Ion: 69 Resp: 2806  
Ion Ratio Lower Upper  
69 100  
41 117.1 0.0 209.2  
39 72.1 46.7 70.1  
100 36.8 27.4 41.2





#48

Ethyl methacrylate

Concen: 0.277 ug/l

RT: 8.335 min Scan# 2190

Delta R.T. 0.004 min

Lab File: VU057773.D

Acq: 01 Feb 2024 12:32

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT1-2024

Tgt Ion: 69 Resp: 2918

Ion Ratio Lower Upper

69 100

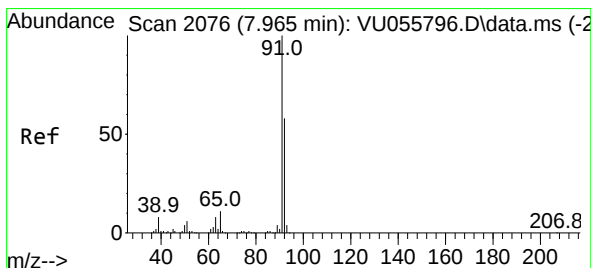
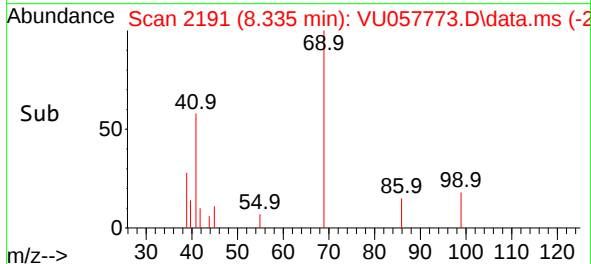
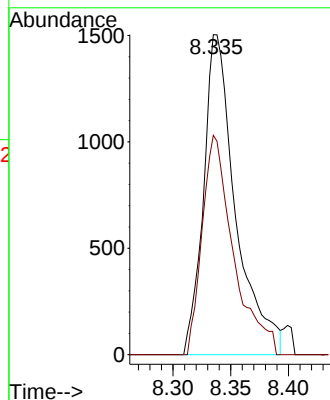
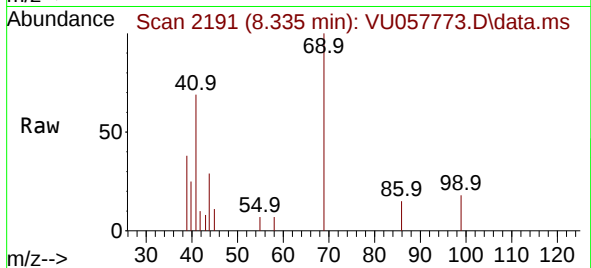
41 66.6 30.3 90.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024

Supervised By :Mahesh Dadoda 02/08/2024



#49

Toluene

Concen: 0.306 ug/l

RT: 7.968 min Scan# 2077

Delta R.T. 0.003 min

Lab File: VU057773.D

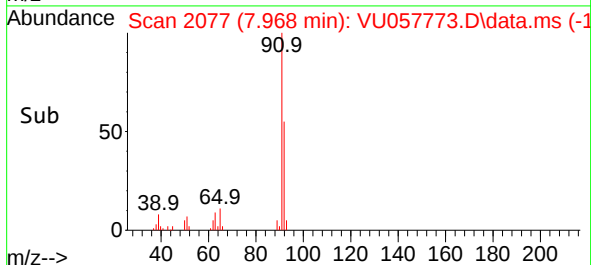
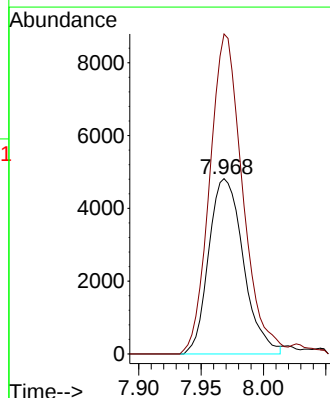
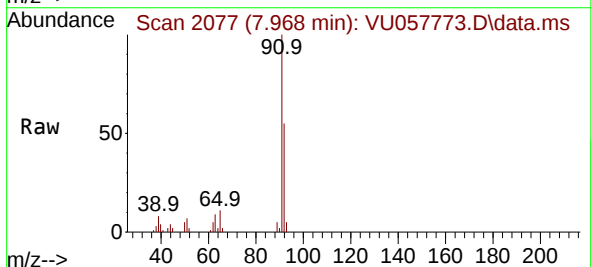
Acq: 01 Feb 2024 12:32

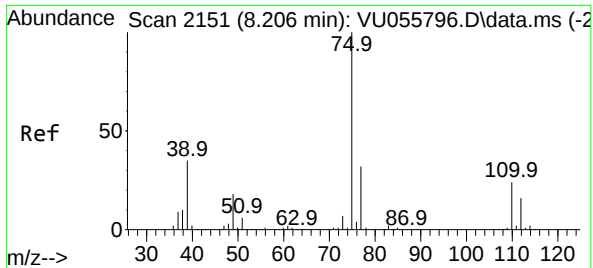
Tgt Ion: 92 Resp: 9320

Ion Ratio Lower Upper

92 100

91 173.4 143.0 214.6





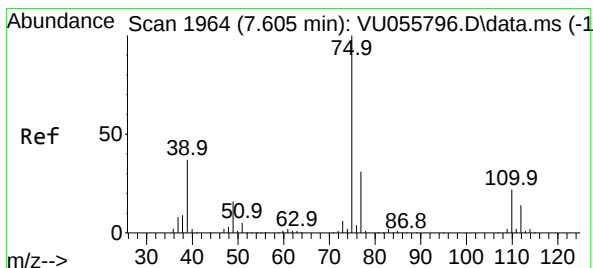
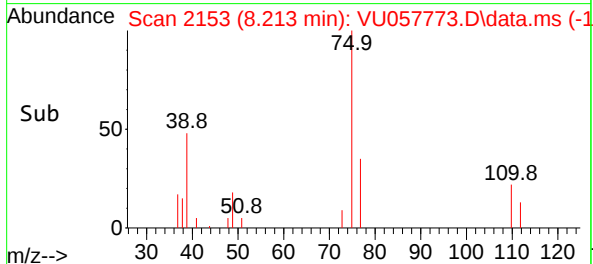
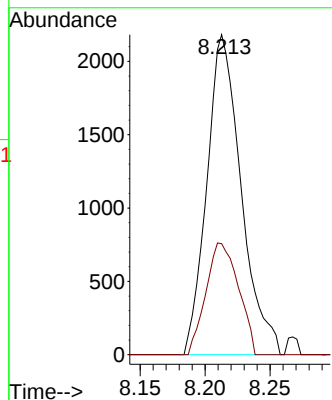
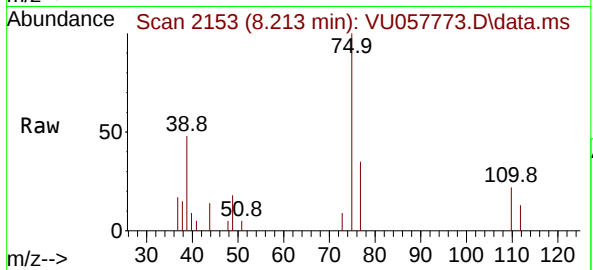
#50  
t-1,3-Dichloropropene  
Concen: 0.278 ug/l  
RT: 8.213 min Scan# 2153  
Delta R.T. 0.007 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

Instrument : MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024

Tgt Ion: 75 Resp: 400  
Ion Ratio Lower Upper  
75 100  
77 34.7 25.3 37.9

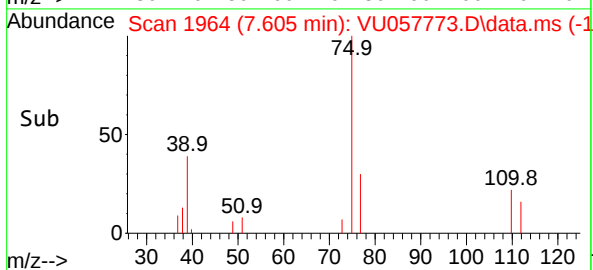
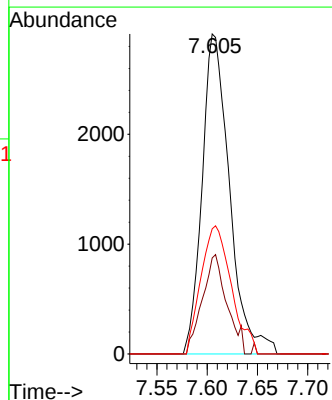
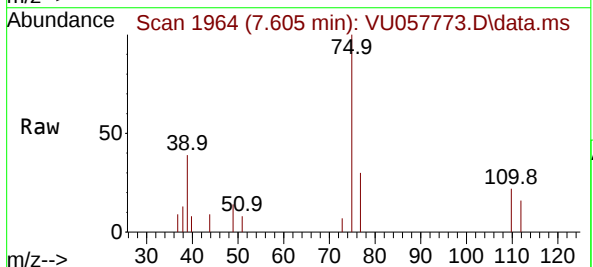
Manual Integrations  
APPROVED

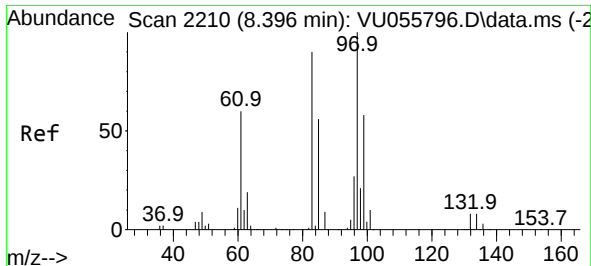
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#51  
cis-1,3-Dichloropropene  
Concen: 0.303 ug/l  
RT: 7.605 min Scan# 1964  
Delta R.T. 0.000 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

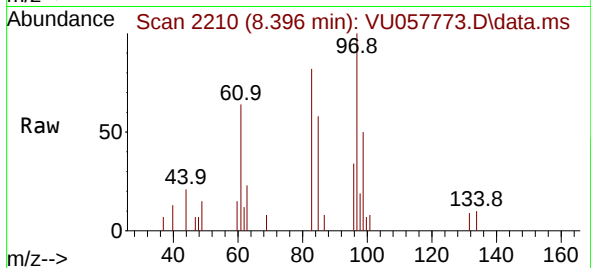
Tgt Ion: 75 Resp: 5524  
Ion Ratio Lower Upper  
75 100  
77 30.0 25.7 38.5  
39 39.1 32.8 49.2





#52  
1,1,2-Trichloroethane  
Concen: 0.301 ug/l  
RT: 8.396 min Scan# 2110  
Delta R.T. -0.000 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

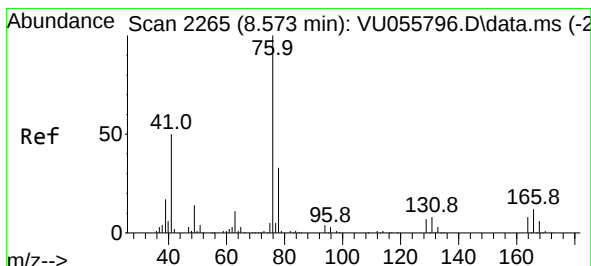
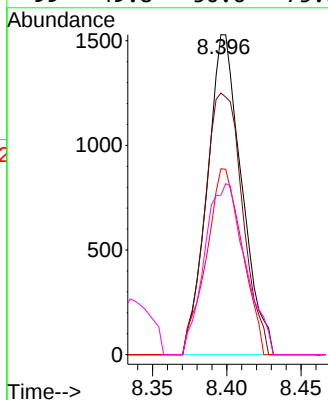
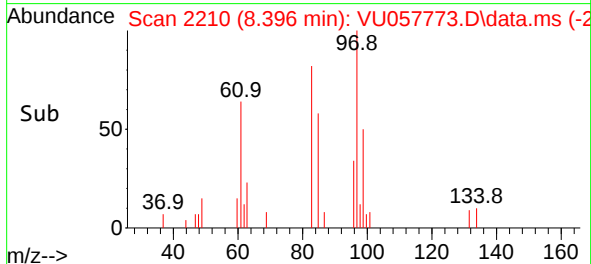
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT1-2024



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 81.8  | 71.8  | 107.8 |
| 85      | 58.1  | 45.2  | 67.8  |
| 99      | 49.8  | 50.6  | 75.8  |

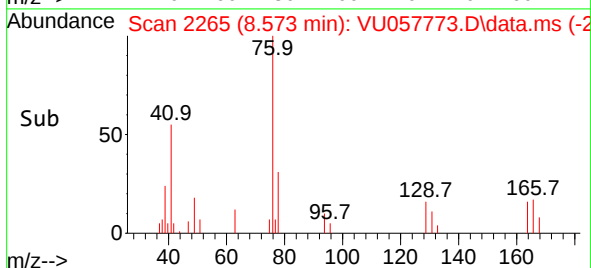
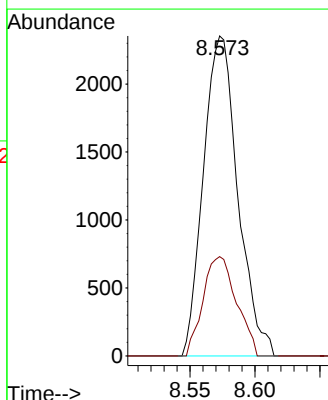
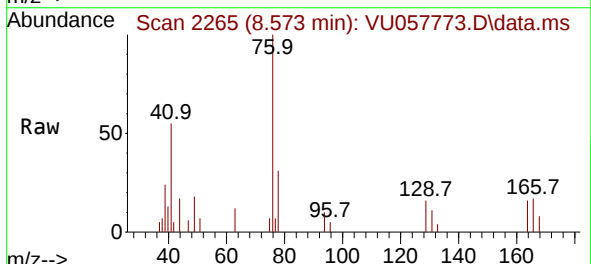
Manual Integrations  
APPROVED

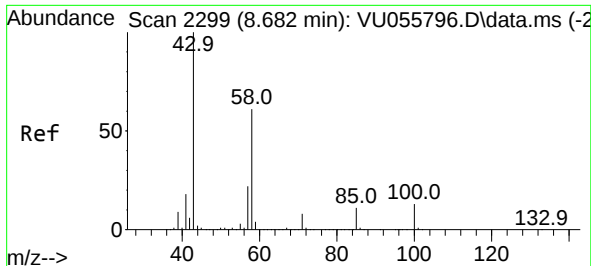
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#53  
1,3-Dichloropropane  
Concen: 0.294 ug/l  
RT: 8.573 min Scan# 2265  
Delta R.T. -0.000 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 30.2  | 25.9  | 38.9  |





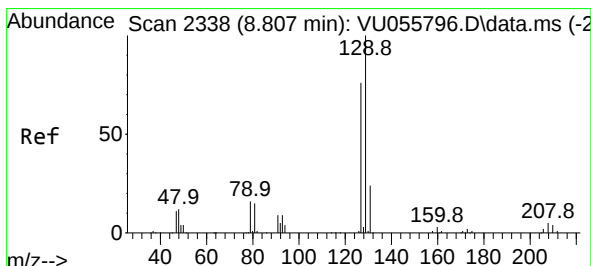
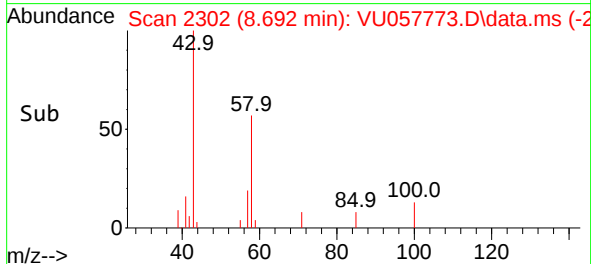
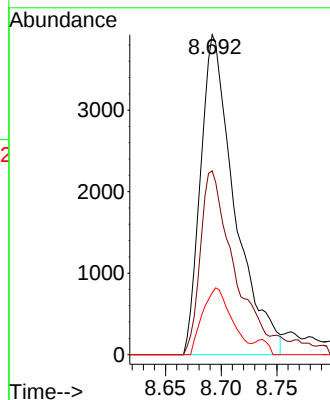
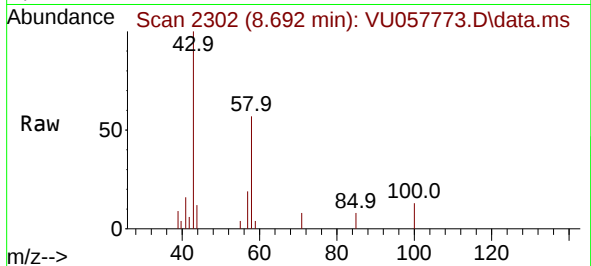
#54  
2-Hexanone  
Concen: 1.431 ug/l  
RT: 8.692 min Scan# 21  
Delta R.T. 0.010 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024

Tgt Ion: 43 Resp: 835  
Ion Ratio Lower Upper  
43 100  
58 58.9 38.2 78.2  
57 18.0 0.0 39.1

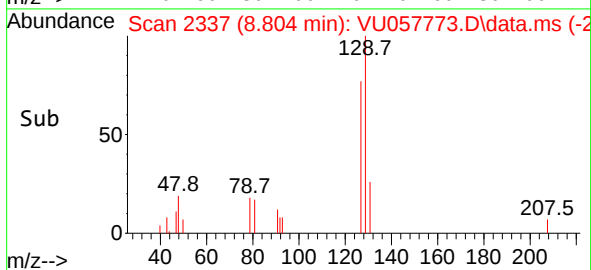
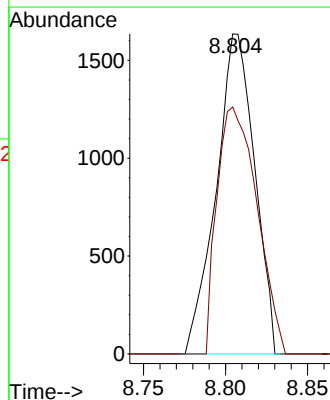
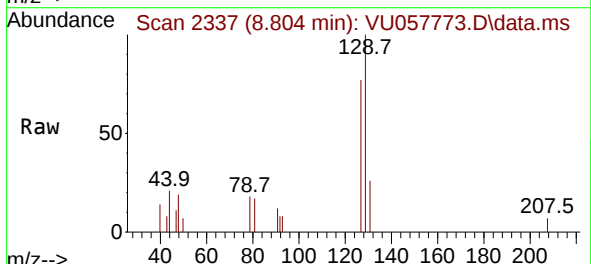
Manual Integrations  
APPROVED

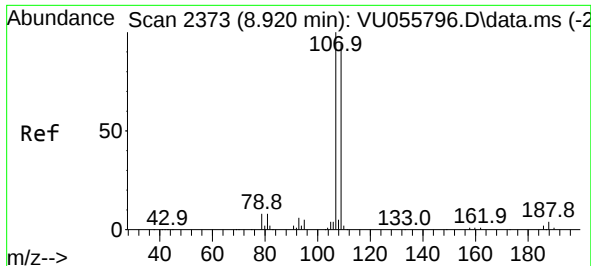
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#55  
Dibromochloromethane  
Concen: 0.262 ug/l  
RT: 8.804 min Scan# 2337  
Delta R.T. -0.003 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

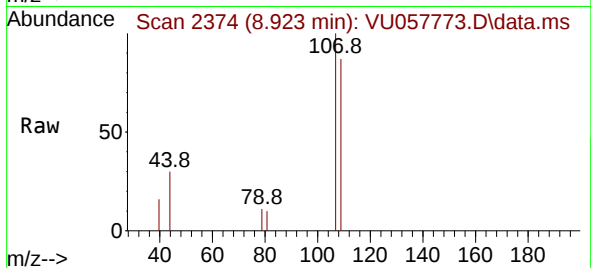
Tgt Ion:129 Resp: 2664  
Ion Ratio Lower Upper  
129 100  
127 80.3 61.4 92.0





#56  
1,2-Dibromoethane  
Concen: 0.316 ug/l  
RT: 8.923 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

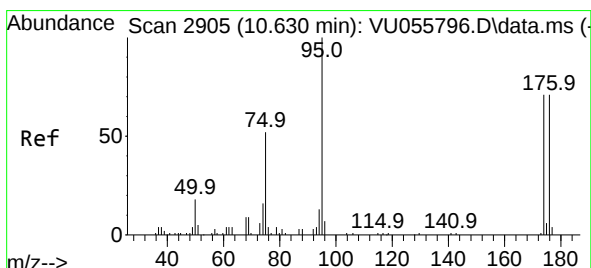
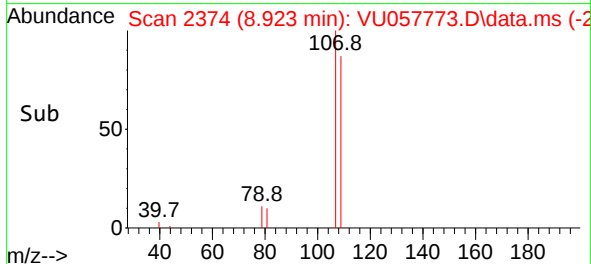
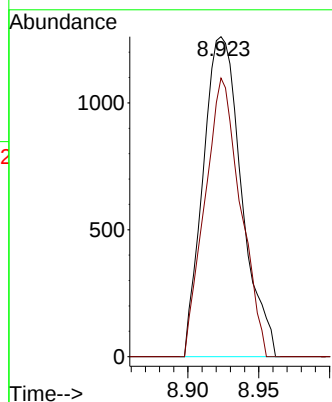
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024



Tgt Ion:107 Resp: 2384  
Ion Ratio Lower Upper  
107 100  
109 80.5 0.0 184.4

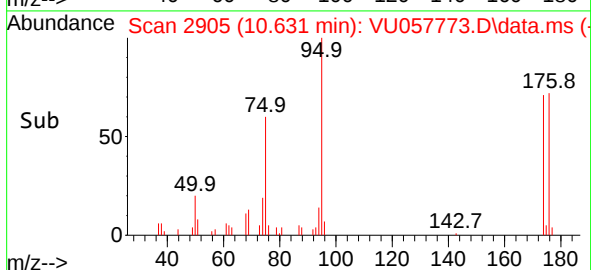
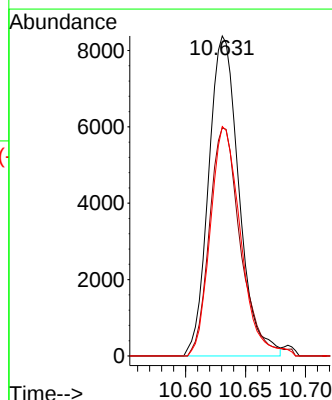
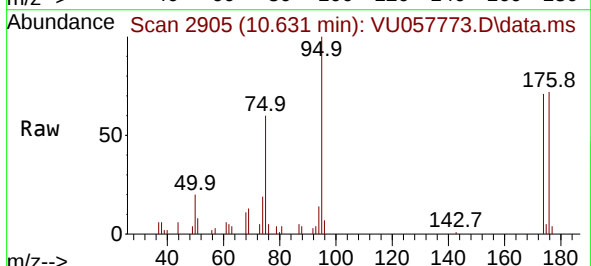
Manual Integrations  
APPROVED

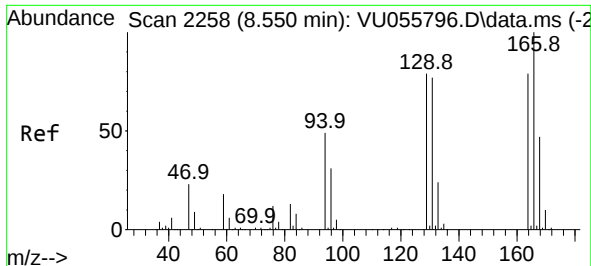
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#57  
4-Bromofluorobenzene  
Concen: 0.874 ug/l  
RT: 10.631 min Scan# 2905  
Delta R.T. 0.001 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

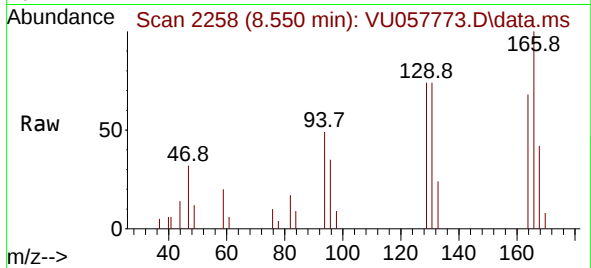
Tgt Ion: 95 Resp: 14745  
Ion Ratio Lower Upper  
95 100  
174 73.0 63.3 94.9  
176 71.6 59.3 88.9





#58  
Tetrachloroethene  
Concen: 0.293 ug/l  
RT: 8.550 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

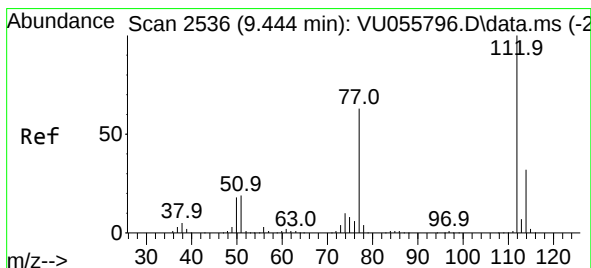
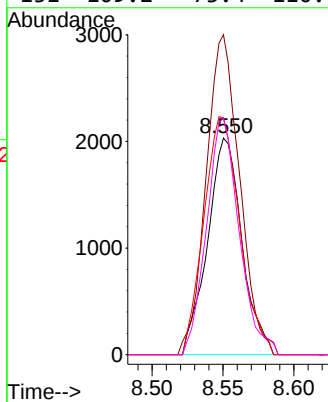
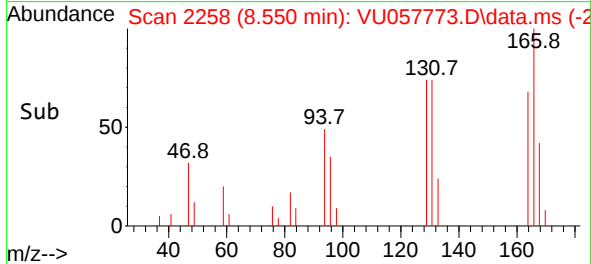
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024



Tgt Ion:164 Resp: 342  
Ion Ratio Lower Upper  
164 100  
166 147.8 99.6 149.4  
129 109.5 78.6 117.8  
131 109.2 73.4 110.0

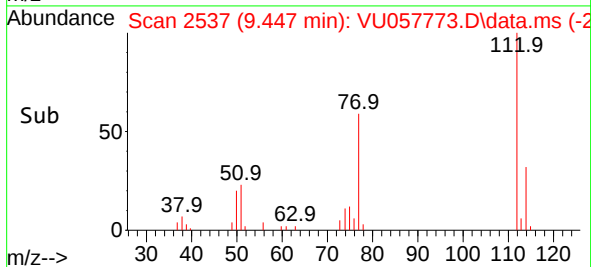
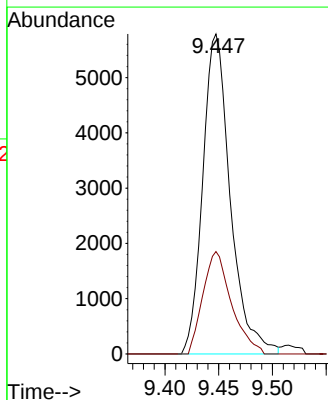
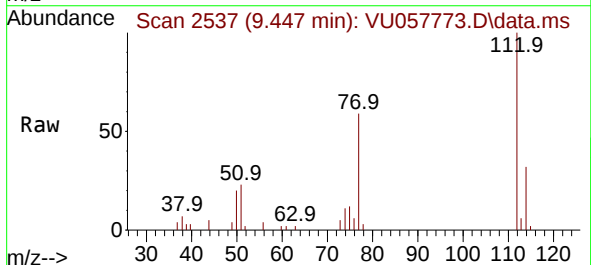
Manual Integrations  
APPROVED

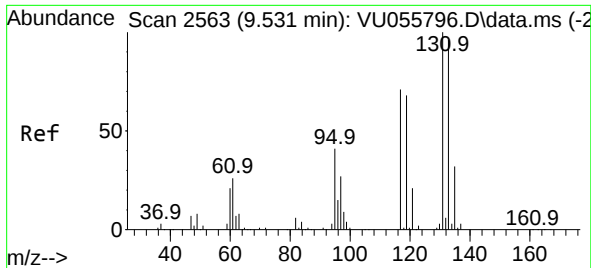
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#59  
Chlorobenzene  
Concen: 0.306 ug/l  
RT: 9.447 min Scan# 2537  
Delta R.T. 0.003 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

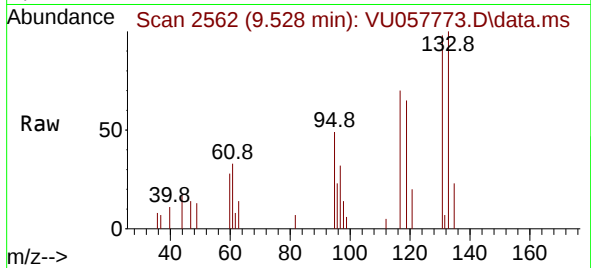
Tgt Ion:112 Resp: 10331  
Ion Ratio Lower Upper  
112 100  
114 32.0 25.6 38.4





#60  
1,1,1,2-Tetrachloroethane  
Concen: 0.290 ug/l  
RT: 9.528 min Scan# 2563  
Delta R.T. -0.003 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

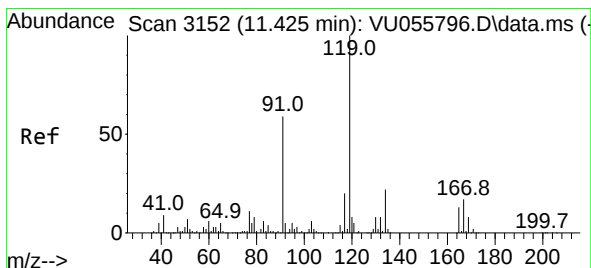
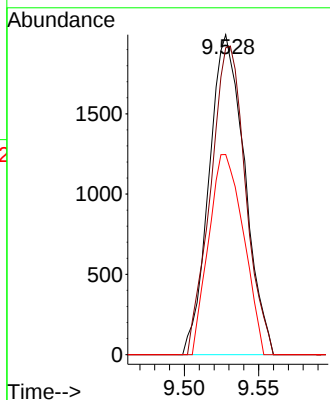
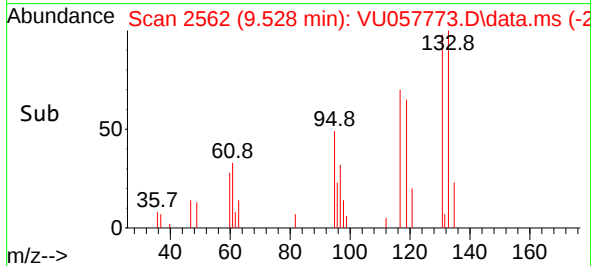
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT1-2024



Tgt Ion:131 Resp: 331  
Ion Ratio Lower Upper  
131 100  
133 94.9 77.8 116.6  
119 61.0 55.2 82.8

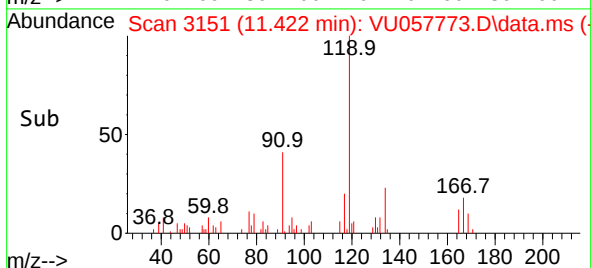
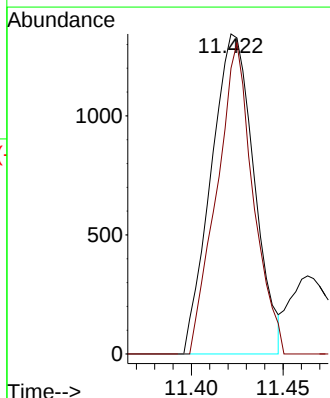
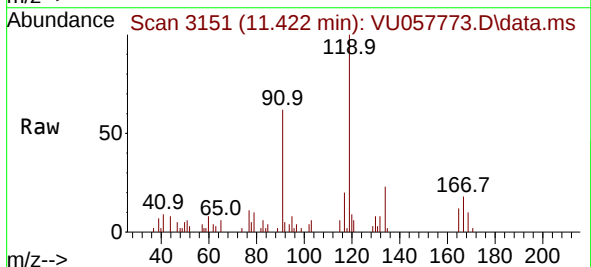
Manual Integrations  
APPROVED

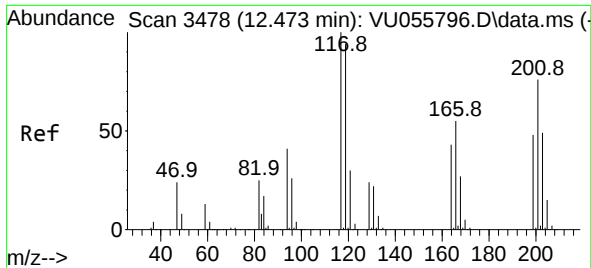
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#61  
Pentachloroethane  
Concen: 0.264 ug/l  
RT: 11.422 min Scan# 3151  
Delta R.T. -0.003 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

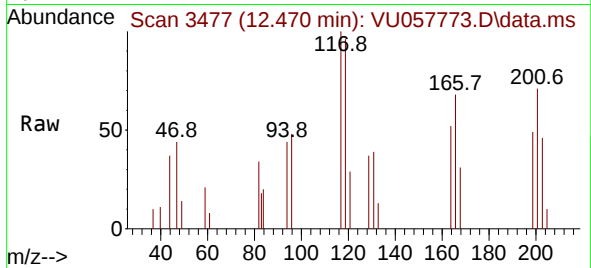
Tgt Ion:117 Resp: 2193  
Ion Ratio Lower Upper  
117 100  
167 82.1 56.7 85.1





#62  
Hexachloroethane  
Concen: 0.252 ug/l  
RT: 12.470 min Scan# 3478  
Delta R.T. -0.003 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

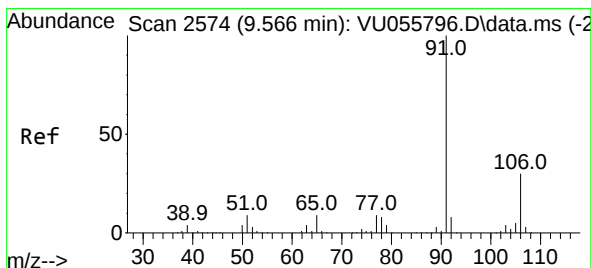
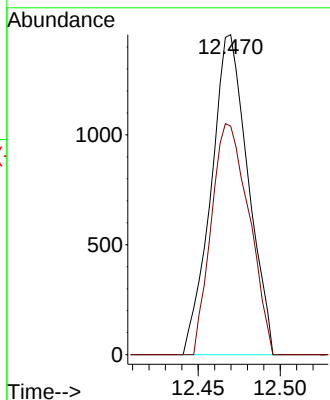
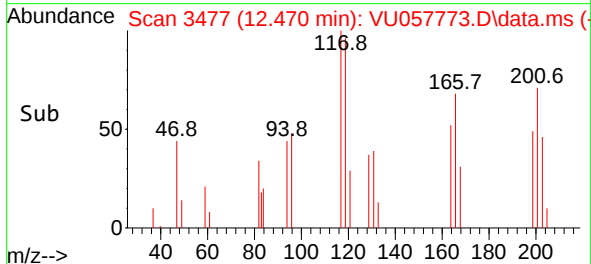
Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT1-2024



Tgt Ion:117 Resp: 228  
Ion Ratio Lower Upper  
117 100  
201 73.3 59.6 89.4

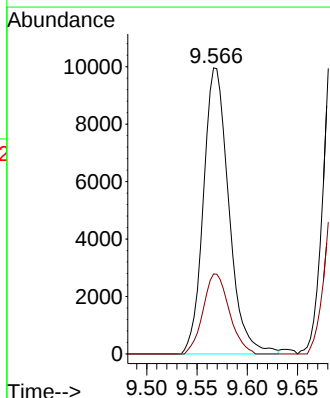
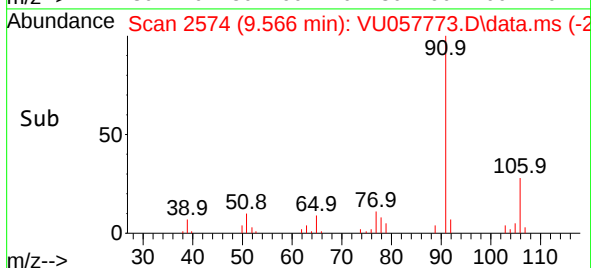
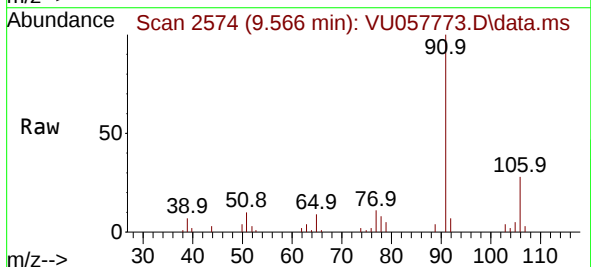
Manual Integrations  
APPROVED

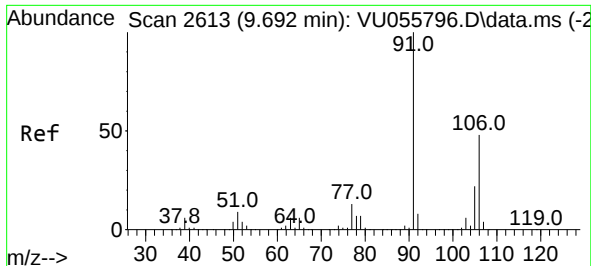
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#63  
Ethyl Benzene  
Concen: 0.292 ug/l  
RT: 9.566 min Scan# 2574  
Delta R.T. 0.000 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

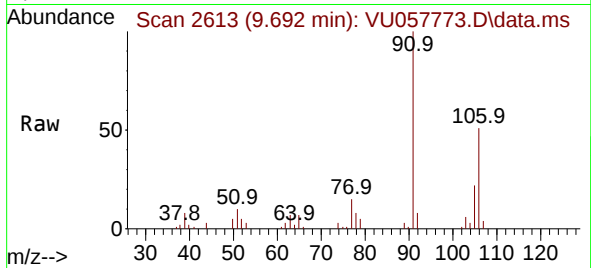
Tgt Ion: 91 Resp: 17538  
Ion Ratio Lower Upper  
91 100  
106 27.9 24.2 36.2





#64  
m/p-Xylenes  
Concen: 0.613 ug/l  
RT: 9.692 min Scan# 2613  
Delta R.T. -0.000 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

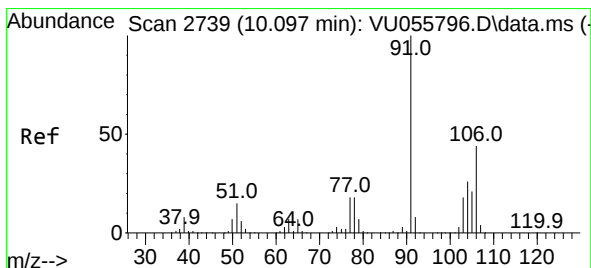
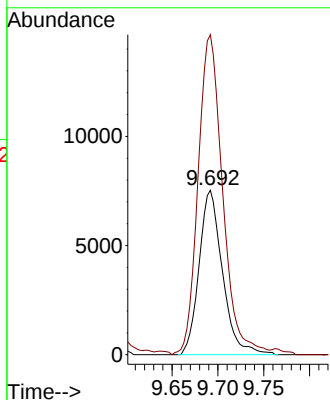
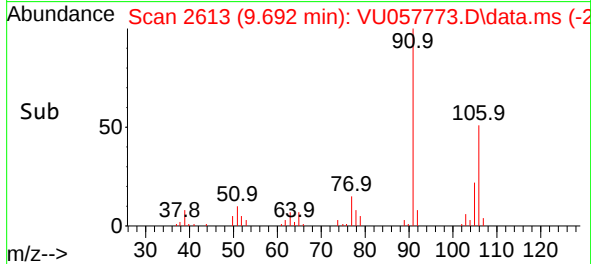
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024



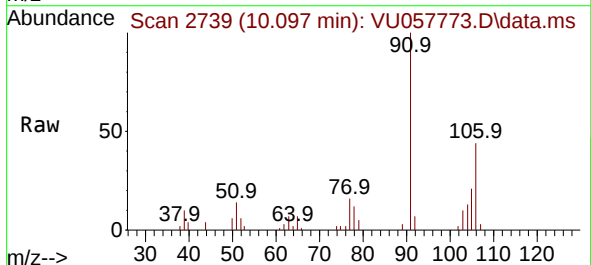
Tgt Ion:106 Resp: 1336  
Ion Ratio Lower Upper  
106 100  
91 204.2 167.3 250.9

Manual Integrations  
APPROVED

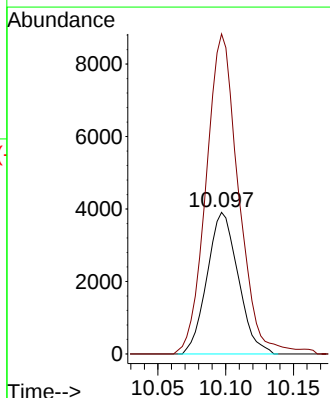
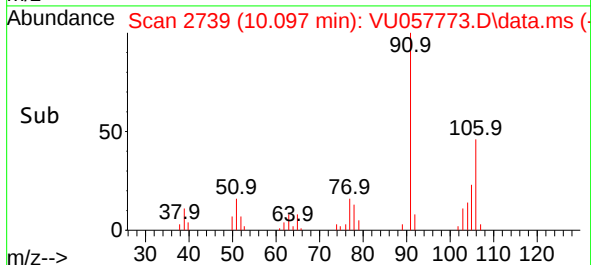
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024

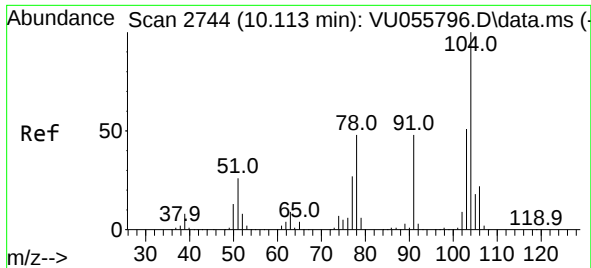


#65  
o-Xylene  
Concen: 0.289 ug/l  
RT: 10.097 min Scan# 2739  
Delta R.T. -0.000 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32



Tgt Ion:106 Resp: 6236  
Ion Ratio Lower Upper  
106 100  
91 236.2 109.3 327.9





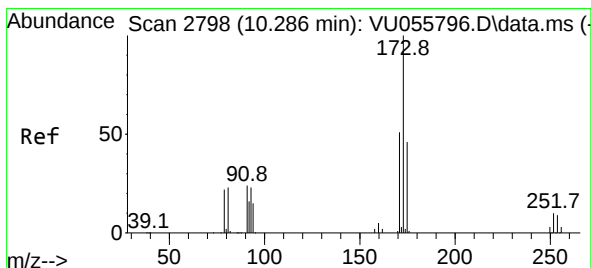
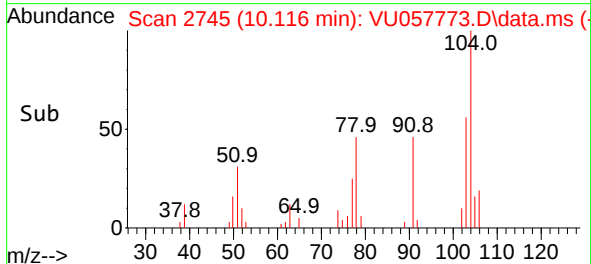
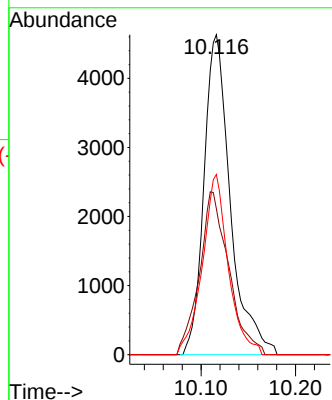
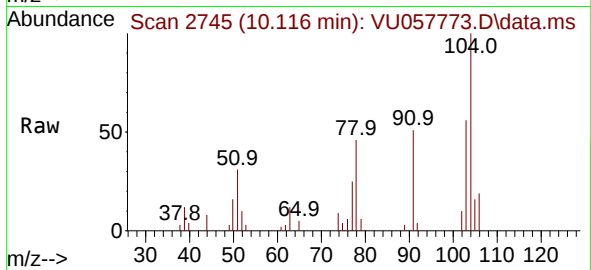
#66  
Styrene  
Concen: 0.280 ug/l  
RT: 10.116 min Scan# 2745  
Delta R.T. 0.003 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024

Tgt Ion:104 Resp: 900  
Ion Ratio Lower Upper  
104 100  
78 56.6 39.7 59.5  
103 55.2 44.8 67.2

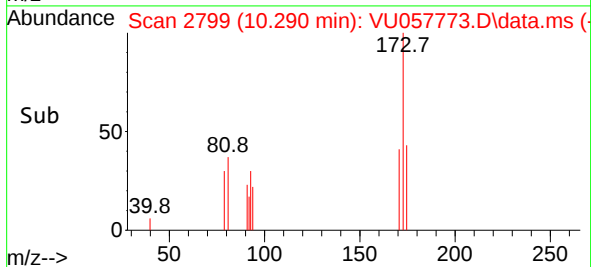
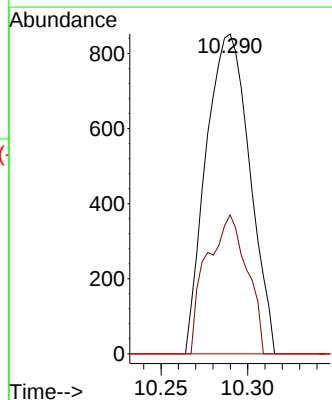
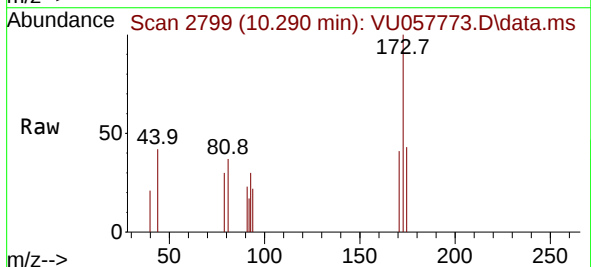
Manual Integrations  
APPROVED

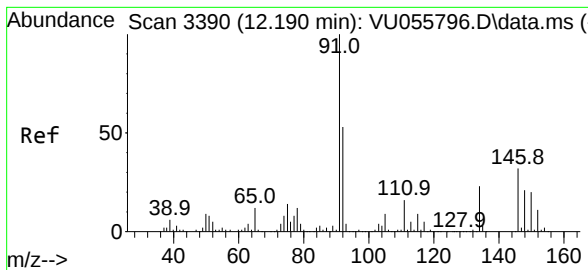
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#67  
Bromoform  
Concen: 0.285 ug/l  
RT: 10.290 min Scan# 2799  
Delta R.T. 0.004 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

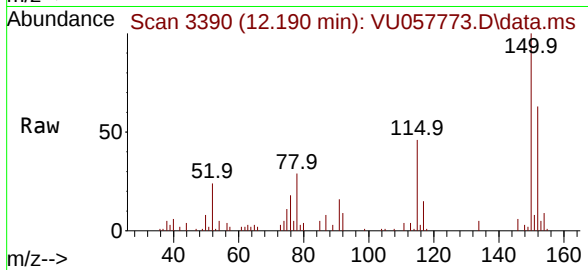
Tgt Ion:173 Resp: 1489  
Ion Ratio Lower Upper  
173 100  
175 40.2 39.0 58.6  
254 0.0 7.4 11.0#





#68  
1,2-Dichlorobenzene-d4  
Concen: 0.856 ug/l  
RT: 12.190 min Scan# 3390  
Delta R.T. 0.000 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

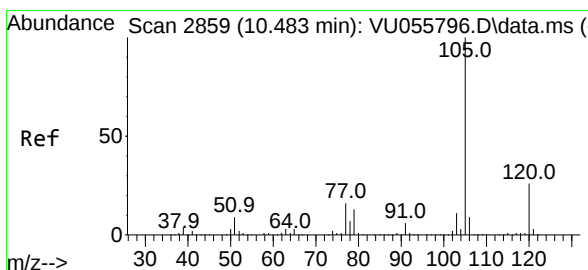
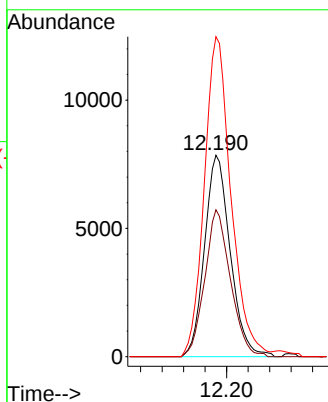
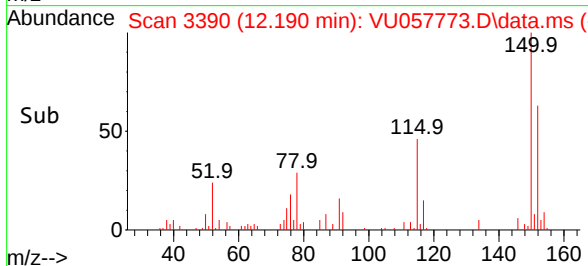
Instrument : MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024



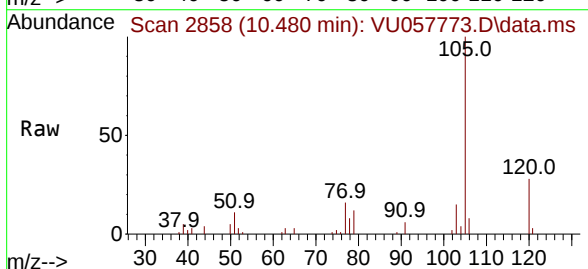
Tgt Ion:152 Resp: 13018  
Ion Ratio Lower Upper  
152 100  
115 72.7 0.0 308.8  
150 164.8 0.0 635.0

Manual Integrations  
APPROVED

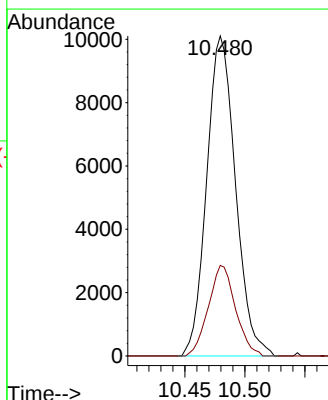
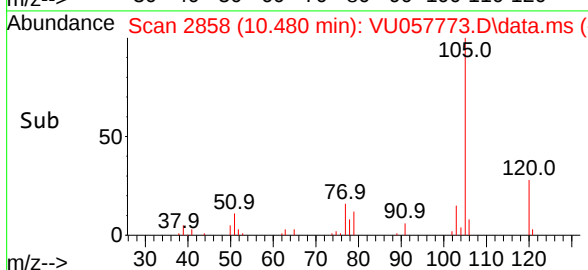
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024

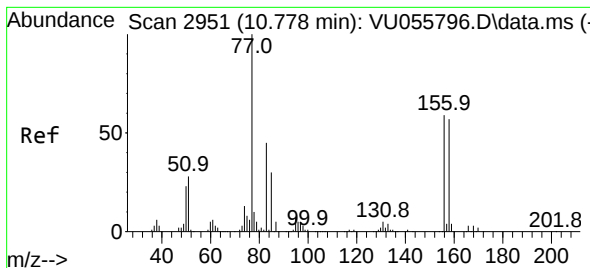


#69  
Isopropylbenzene  
Concen: 0.298 ug/l  
RT: 10.480 min Scan# 2858  
Delta R.T. -0.004 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32



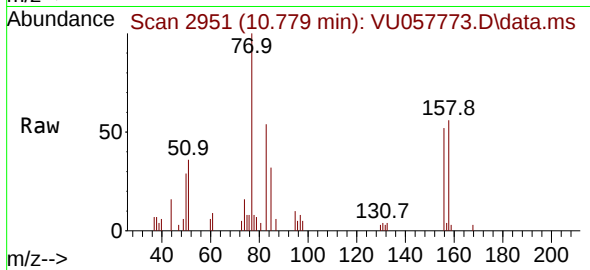
Tgt Ion:105 Resp: 16866  
Ion Ratio Lower Upper  
105 100  
120 26.6 12.8 38.4





#70  
1,1,2,2-Tetrachloroethane  
Concen: 0.287 ug/l  
RT: 10.779 min Scan# 2949  
Delta R.T. 0.001 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

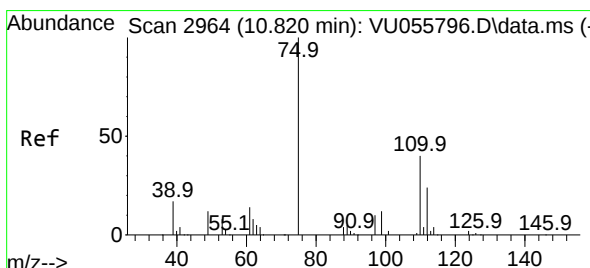
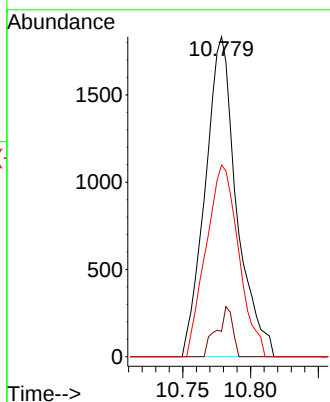
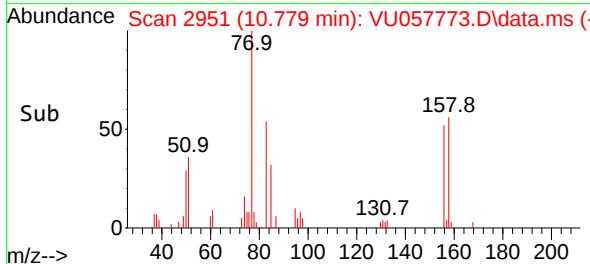
Instrument : MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024



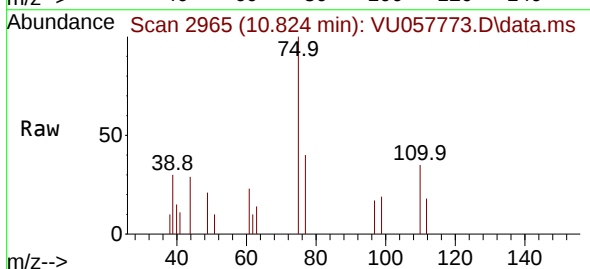
Tgt Ion: 83 Resp: 2949  
Ion Ratio Lower Upper  
83 100  
131 7.9 7.2 10.8  
85 62.5 50.5 75.7

Manual Integrations  
APPROVED

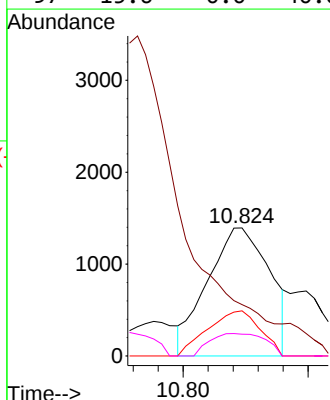
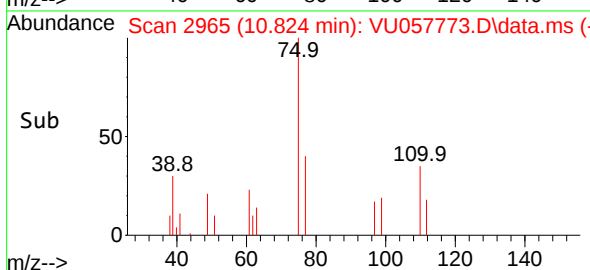
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024

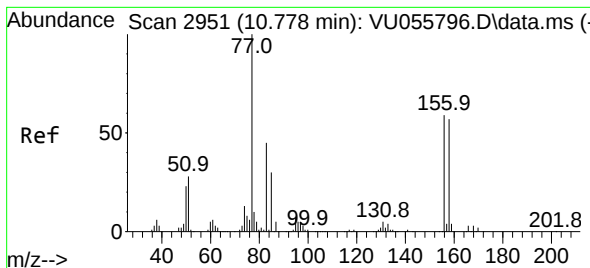


#71  
1,2,3-Trichloropropane  
Concen: 0.284 ug/l m  
RT: 10.824 min Scan# 2965  
Delta R.T. 0.004 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32



Tgt Ion: 75 Resp: 2409  
Ion Ratio Lower Upper  
75 100  
77 43.5 0.0 116.4  
110 29.8 0.0 74.6  
97 15.6 0.0 40.0





#72

Bromobenzene

Concen: 0.290 ug/l

RT: 10.782 min Scan# 2951

Delta R.T. 0.004 min

Lab File: VU057773.D

Acq: 01 Feb 2024 12:32

Instrument :

MSVOA\_U

ClientSampleId :

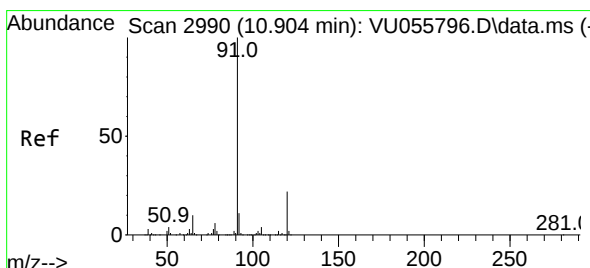
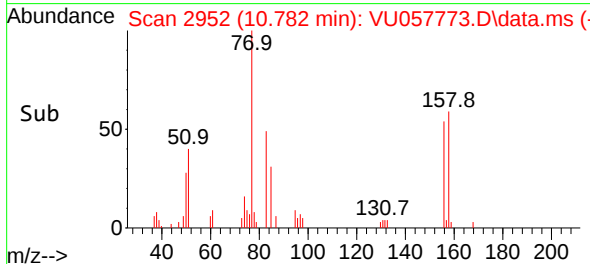
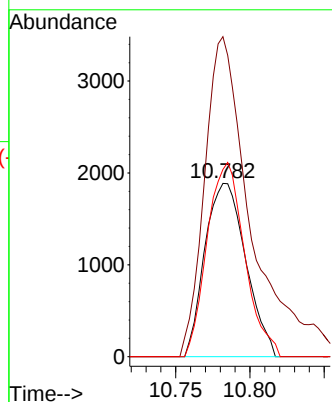
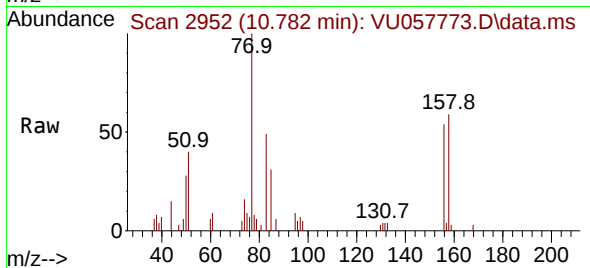
LOD-MDL-WATER-01-QT1-2024

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 361   |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 210.3 | 0.0   | 343.0 |
| 158       | 102.9 | 0.0   | 194.8 |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#73

n-propylbenzene

Concen: 0.301 ug/l

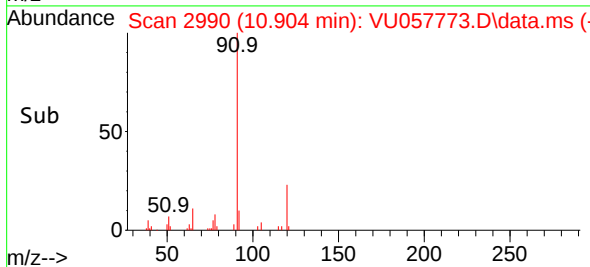
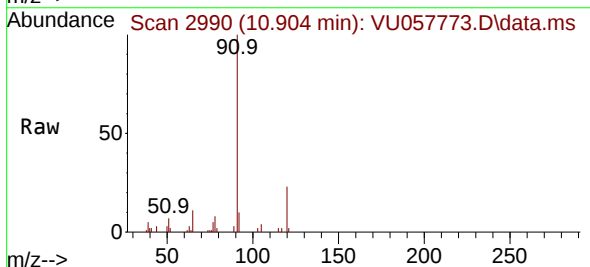
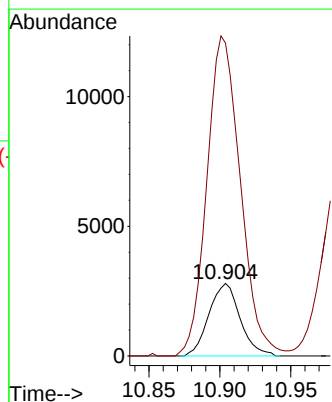
RT: 10.904 min Scan# 2990

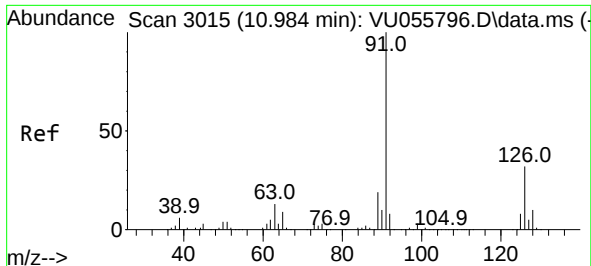
Delta R.T. -0.000 min

Lab File: VU057773.D

Acq: 01 Feb 2024 12:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 120   | Resp: | 4272  |
| Ion Ratio | Lower | Upper |       |
| 120       | 100   |       |       |
| 91        | 474.7 | 369.8 | 554.6 |





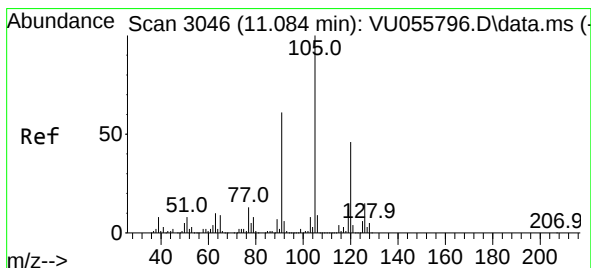
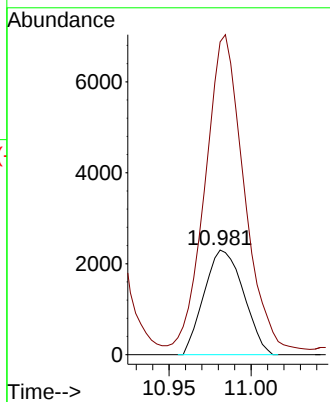
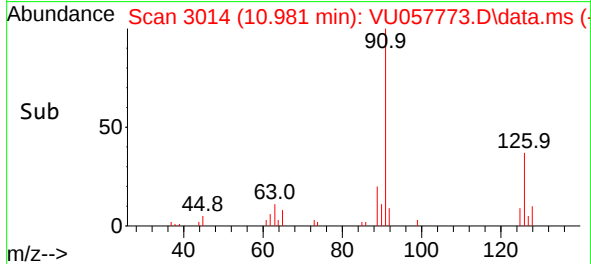
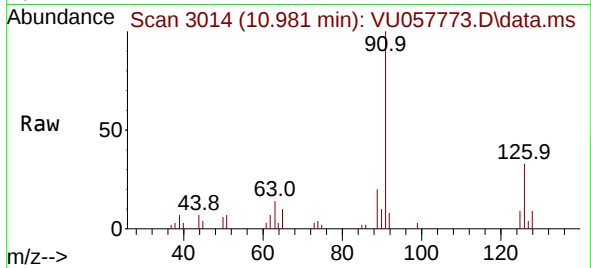
#74  
2-Chlorotoluene  
Concen: 0.291 ug/l  
RT: 10.981 min Scan# 3015  
Delta R.T. -0.003 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

Instrument : MSVOA\_U  
ClientSampleId : LOD-MDL-WATER-01-QT1-2024

Tgt Ion:126 Resp: 3839  
Ion Ratio Lower Upper  
126 100  
91 298.1 0.0 610.0

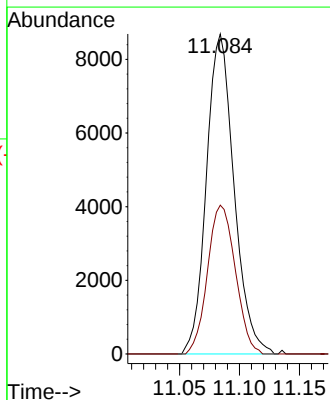
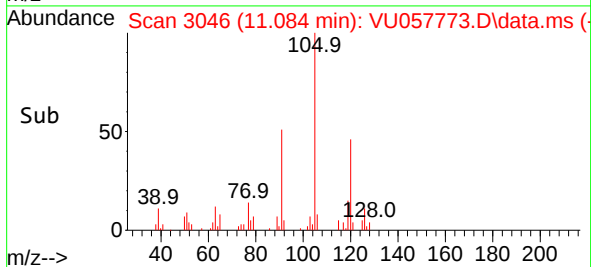
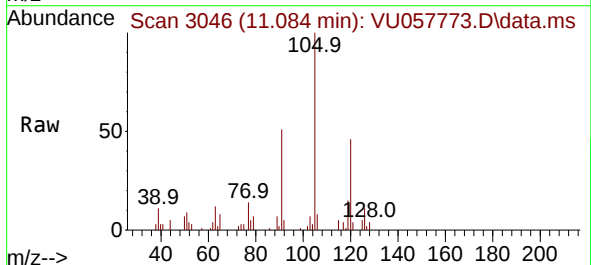
Manual Integrations  
APPROVED

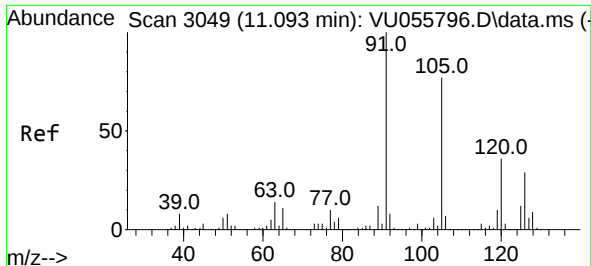
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#75  
1,3,5-Trimethylbenzene  
Concen: 0.286 ug/l  
RT: 11.084 min Scan# 3046  
Delta R.T. -0.000 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

Tgt Ion:105 Resp: 13905  
Ion Ratio Lower Upper  
105 100  
120 46.8 37.8 56.8





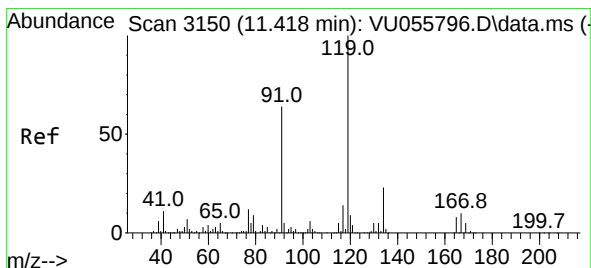
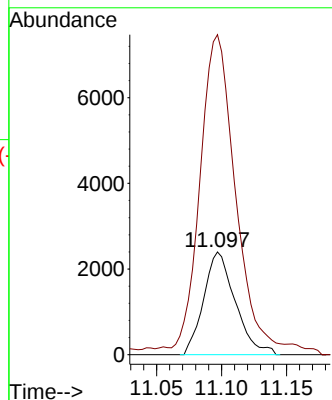
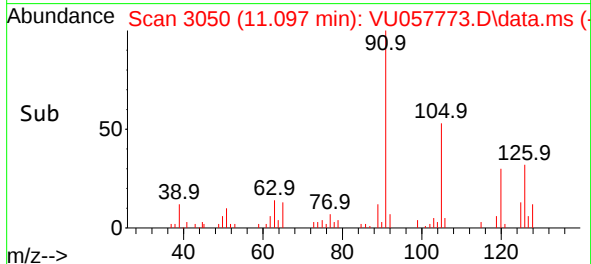
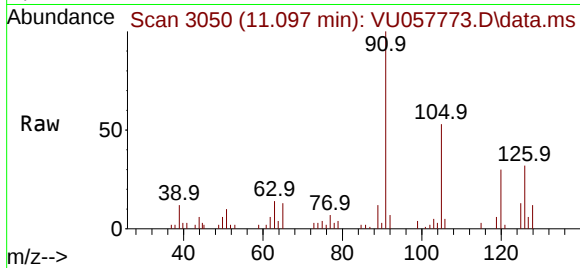
#76  
4-Chlorotoluene  
Concen: 0.306 ug/l  
RT: 11.097 min Scan# 3049  
Delta R.T. 0.004 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024

Tgt Ion:126 Resp: 405  
Ion Ratio Lower Upper  
126 100  
91 357.6 0.0 686.2

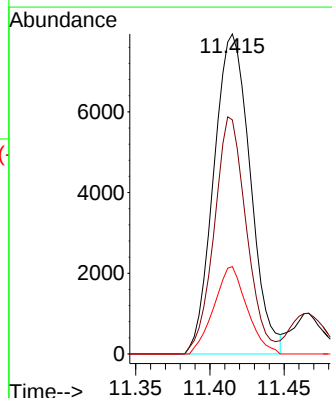
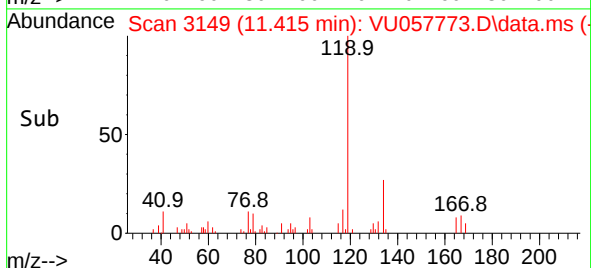
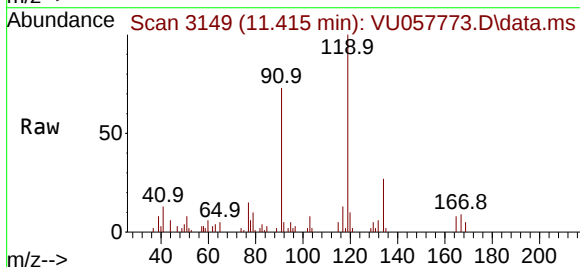
Manual Integrations  
APPROVED

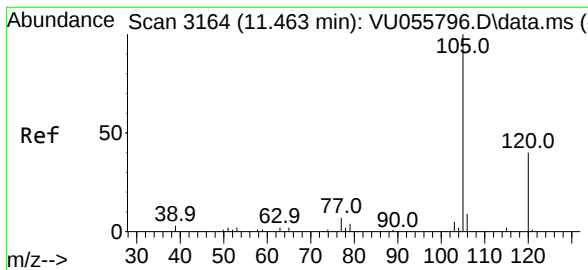
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#77  
tert-Butylbenzene  
Concen: 0.298 ug/l  
RT: 11.415 min Scan# 3149  
Delta R.T. -0.003 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

Tgt Ion:119 Resp: 13559  
Ion Ratio Lower Upper  
119 100  
91 65.3 30.8 92.4  
134 24.7 18.0 27.0





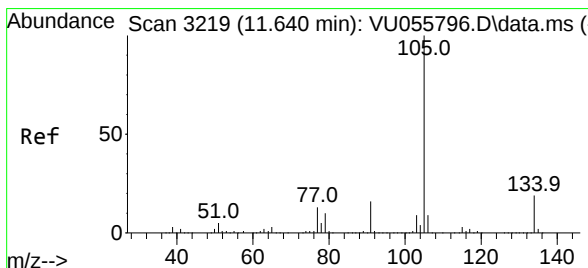
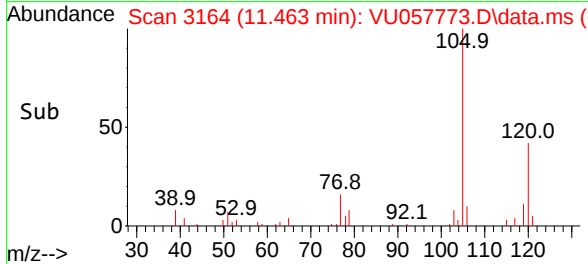
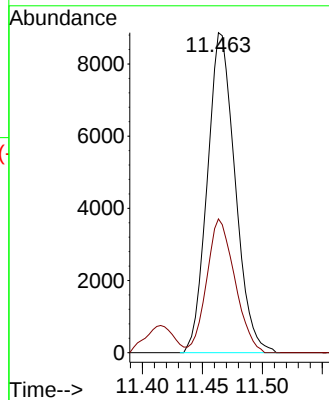
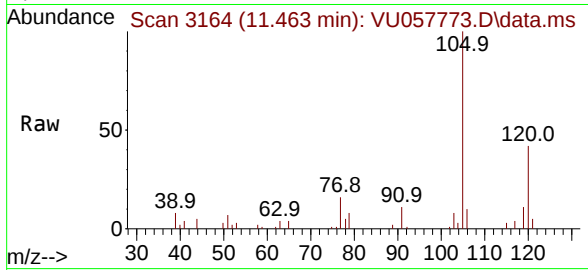
#78  
1,2,4-Trimethylbenzene  
Concen: 0.290 ug/l  
RT: 11.463 min Scan# 3164  
Delta R.T. 0.000 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024

Tgt Ion:105 Resp: 1427  
Ion Ratio Lower Upper  
105 100  
120 42.2 21.9 65.8

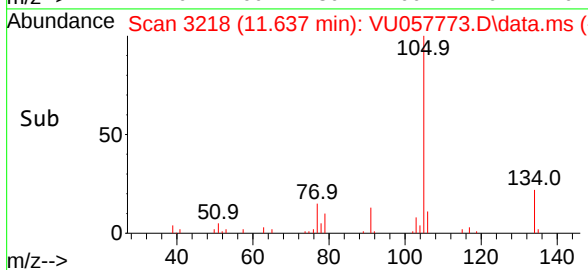
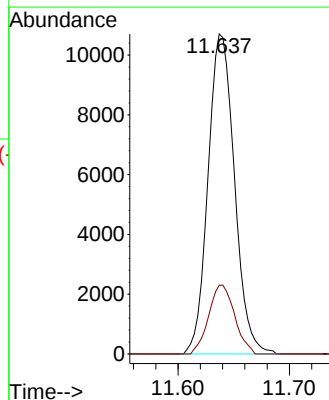
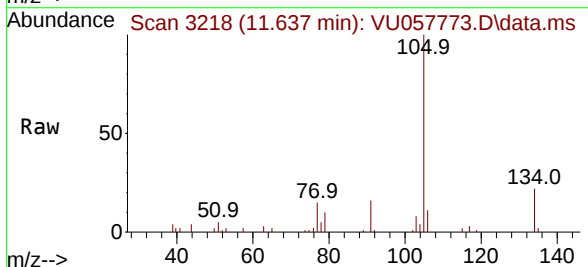
Manual Integrations  
APPROVED

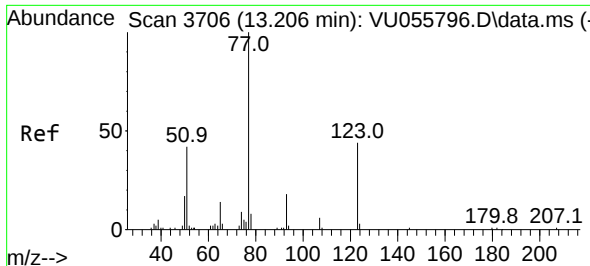
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#79  
sec-Butylbenzene  
Concen: 0.303 ug/l  
RT: 11.637 min Scan# 3218  
Delta R.T. -0.003 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

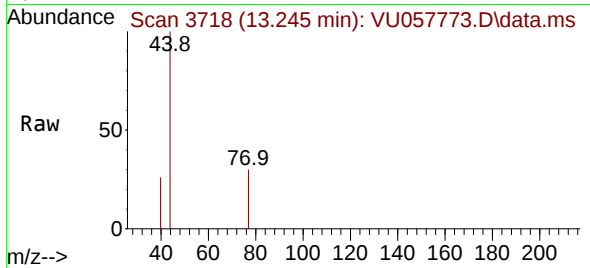
Tgt Ion:105 Resp: 17668  
Ion Ratio Lower Upper  
105 100  
134 21.2 14.9 22.3





#80  
Nitrobenzene  
Concen: 0.233 ug/l  
RT: 13.245 min Scan# 31  
Delta R.T. 0.039 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

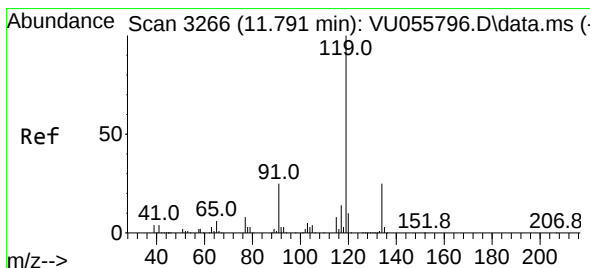
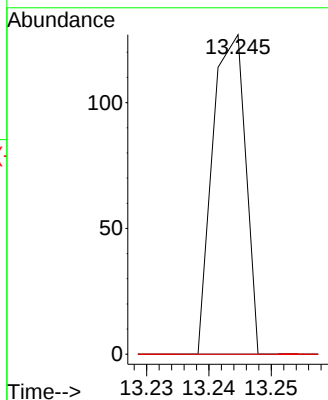
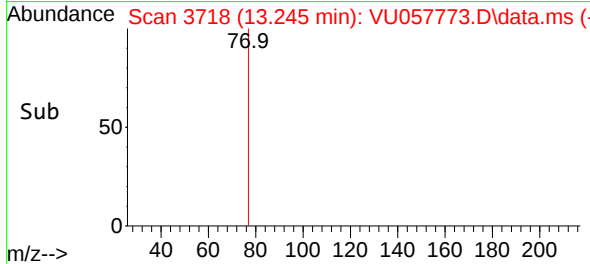
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024



Tgt Ion: 77 Resp: 4  
Ion Ratio Lower Upper  
77 100  
123 0.0 19.7 69.7  
65 0.0 11.5 14.7

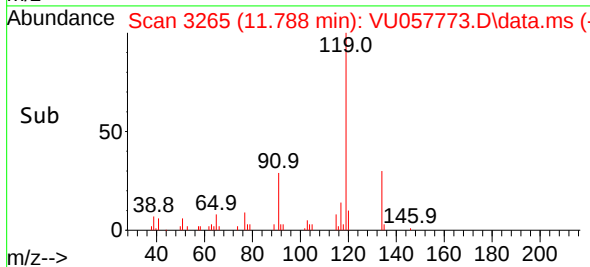
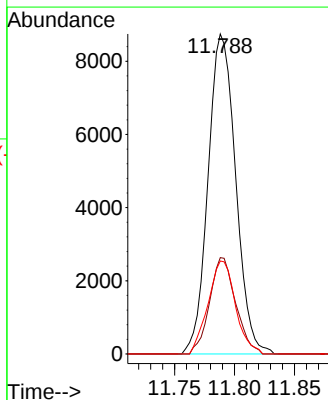
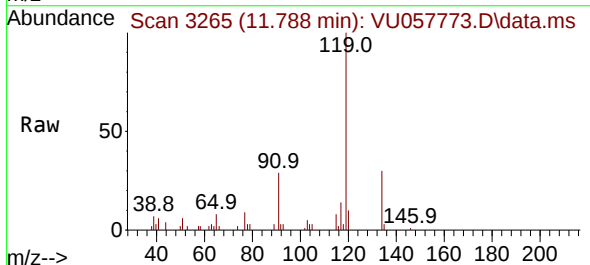
Manual Integrations  
APPROVED

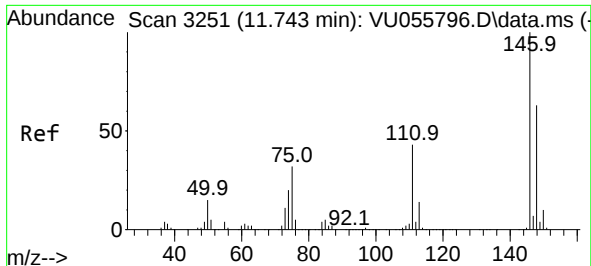
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#81  
p-Isopropyltoluene  
Concen: 0.285 ug/l  
RT: 11.788 min Scan# 3265  
Delta R.T. -0.003 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

Tgt Ion:119 Resp: 13992  
Ion Ratio Lower Upper  
119 100  
134 28.4 20.2 30.4  
91 28.8 19.3 28.9





#82

1,3-Dichlorobenzene

Concen: 0.295 ug/l

RT: 11.746 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU057773.D

Acq: 01 Feb 2024 12:32

Instrument :

MSVOA\_U

ClientSampleId :

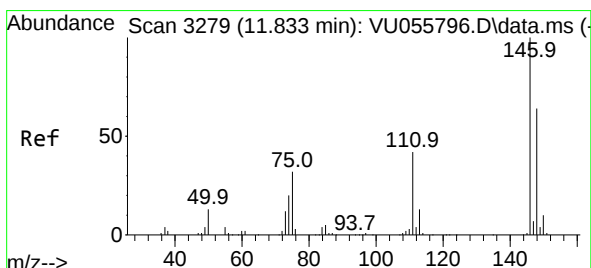
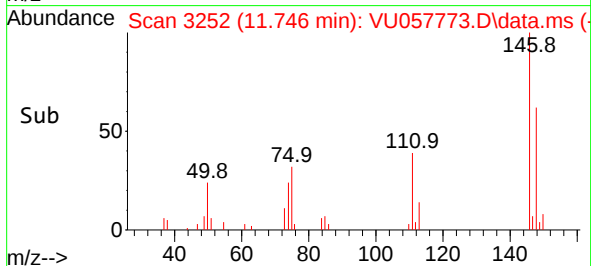
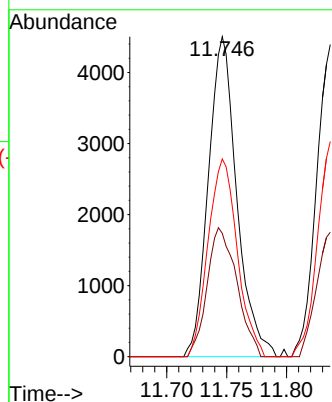
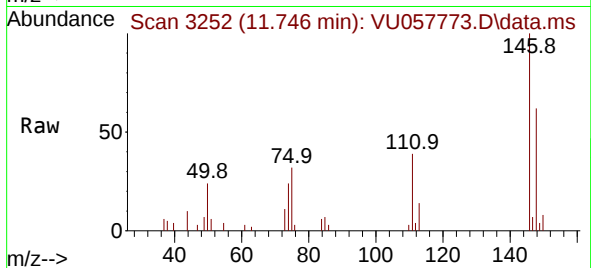
LOD-MDL-WATER-01-QT1-2024

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 7424      |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 42.1  | 32.6 49.0 |
| 148         | 63.5  | 51.0 76.4 |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#83

1,4-Dichlorobenzene

Concen: 0.316 ug/l

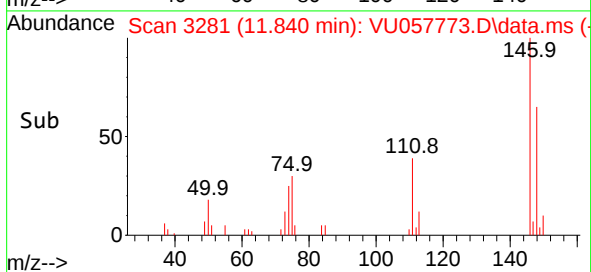
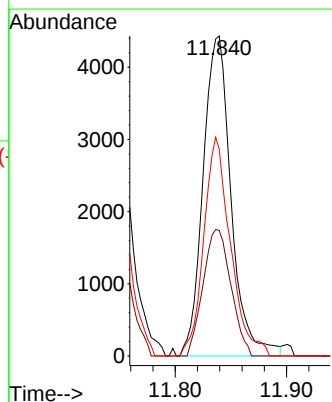
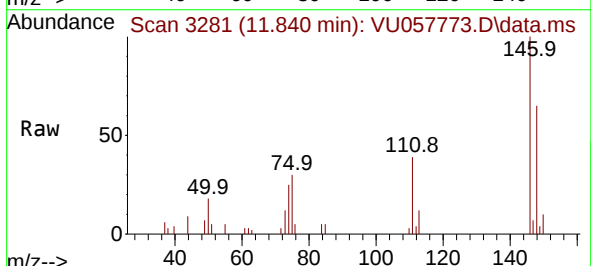
RT: 11.840 min Scan# 3281

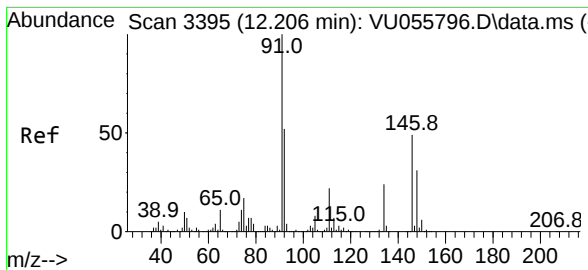
Delta R.T. 0.007 min

Lab File: VU057773.D

Acq: 01 Feb 2024 12:32

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 7756      |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 39.1  | 31.6 47.4 |
| 148         | 65.2  | 50.3 75.5 |





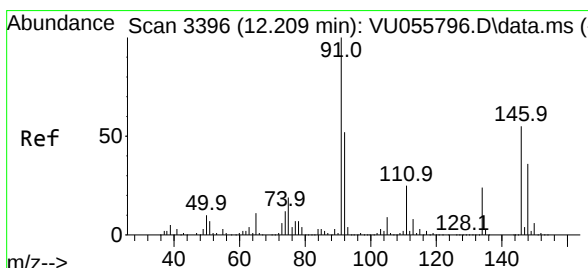
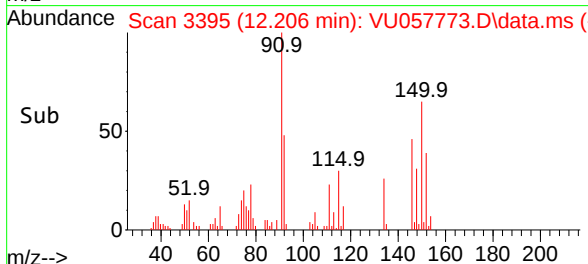
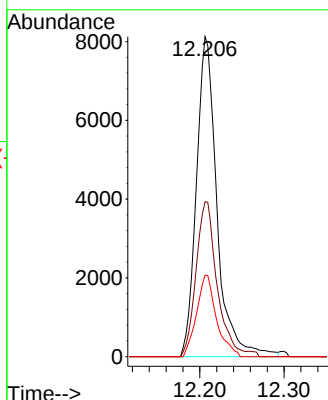
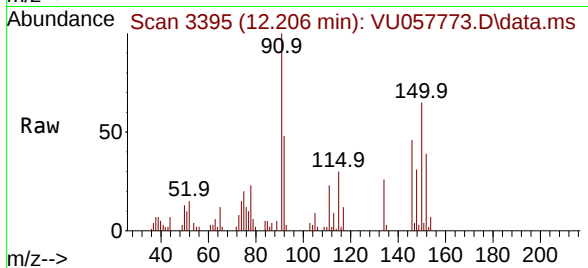
#84  
n-Butylbenzene  
Concen: 0.294 ug/l  
RT: 12.206 min Scan# 3395  
Delta R.T. 0.000 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

Instrument : MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024

Tgt Ion: 91 Resp: 13792  
Ion Ratio Lower Upper  
91 100  
92 50.0 40.8 61.2  
134 24.6 18.4 27.6

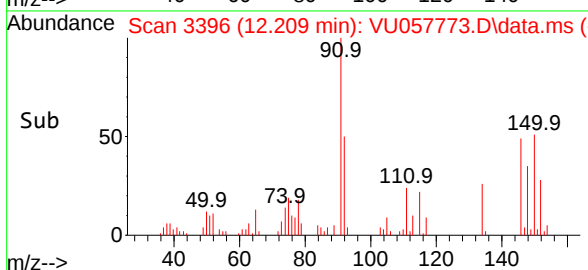
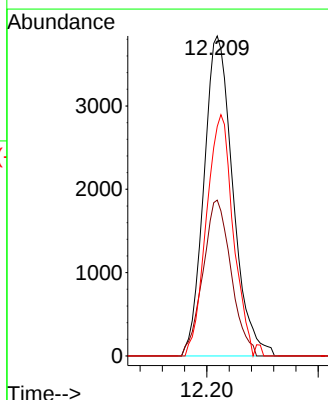
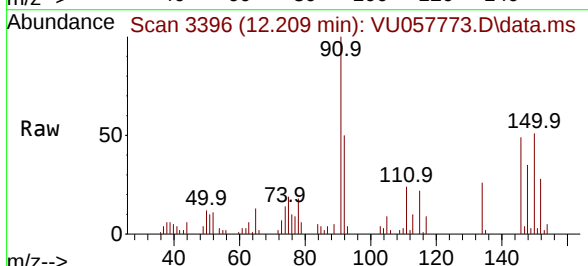
Manual Integrations  
APPROVED

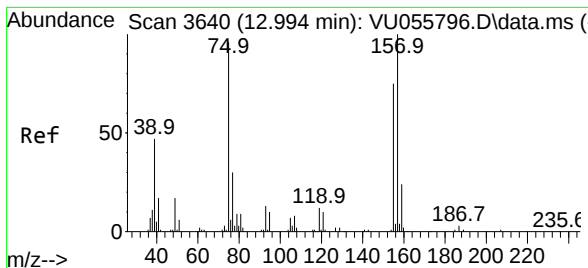
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#85  
1,2-Dichlorobenzene  
Concen: 0.304 ug/l  
RT: 12.209 min Scan# 3396  
Delta R.T. 0.000 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

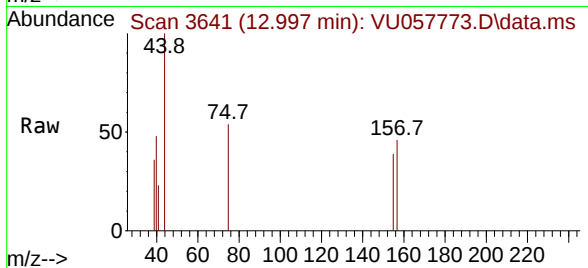
Tgt Ion:146 Resp: 6933  
Ion Ratio Lower Upper  
146 100  
111 47.3 21.6 64.6  
148 70.4 32.1 96.5





#86  
1,2-Dibromo-3-Chloropropane  
Concen: 0.236 ug/l  
RT: 12.997 min Scan# 30  
Delta R.T. 0.003 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32

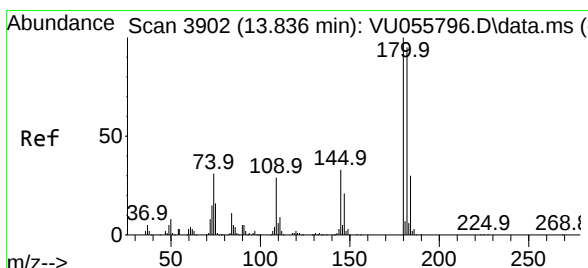
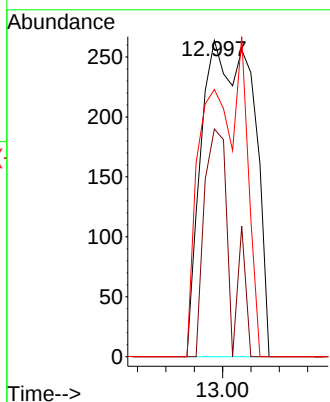
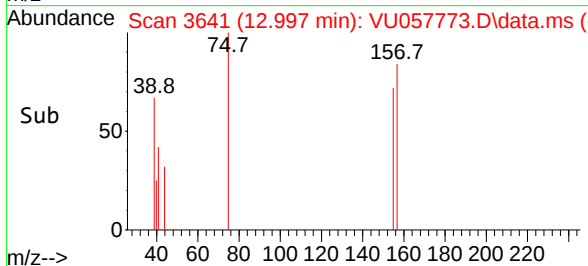
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT1-2024



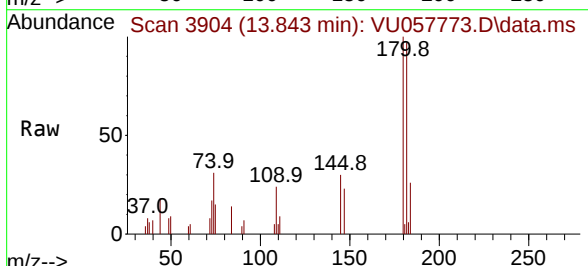
Tgt Ion: 75 Resp: 332  
Ion Ratio Lower Upper  
75 100  
155 36.4 61.8 92.8  
157 78.9 80.2 120.4

Manual Integrations  
APPROVED

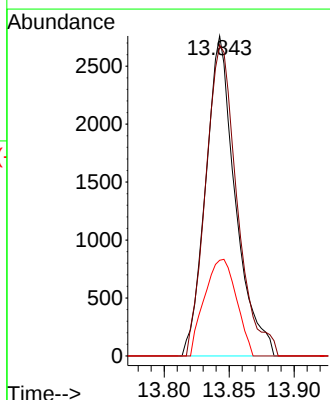
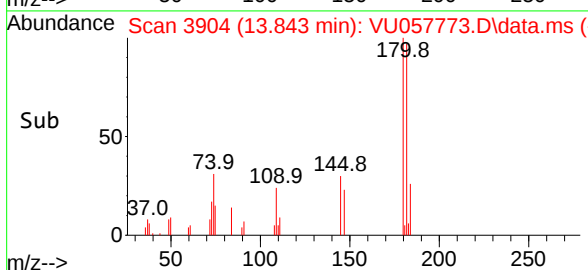
Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024

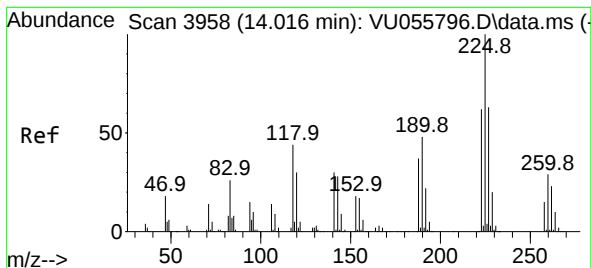


#87  
1,2,4-Trichlorobenzene  
Concen: 0.321 ug/l  
RT: 13.843 min Scan# 3904  
Delta R.T. 0.007 min  
Lab File: VU057773.D  
Acq: 01 Feb 2024 12:32



Tgt Ion:180 Resp: 4375  
Ion Ratio Lower Upper  
180 100  
182 102.6 75.8 113.6  
145 32.4 23.9 35.9





#88

Hexachlorobutadiene

Concen: 0.335 ug/l

RT: 14.016 min Scan# 3958

Delta R.T. 0.000 min

Lab File: VU057773.D

Acq: 01 Feb 2024 12:32

Instrument :

MSVOA\_U

ClientSampleId :

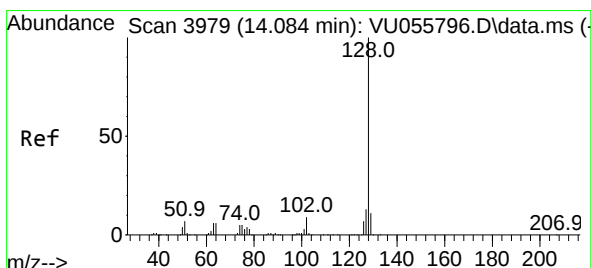
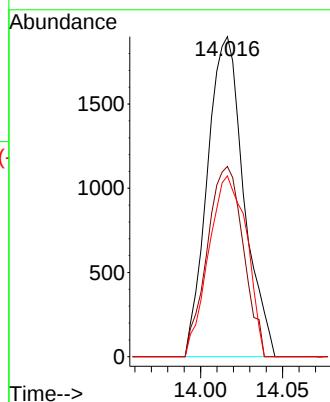
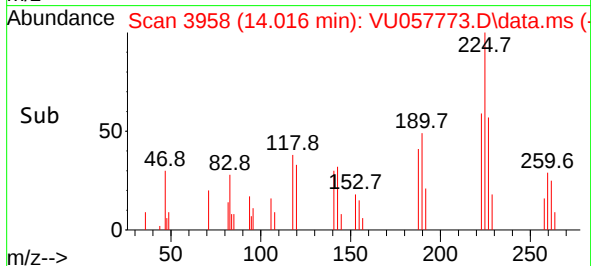
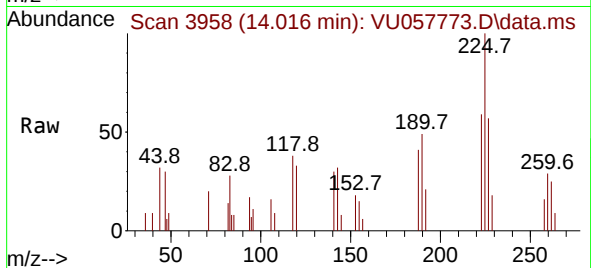
LOD-MDL-WATER-01-QT1-2024

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 293   |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 59.1  | 50.2  | 75.4  |
| 227      | 58.8  | 51.5  | 77.3  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024  
Supervised By :Mahesh Dadoda 02/08/2024



#89

Naphthalene

Concen: 0.351 ug/l

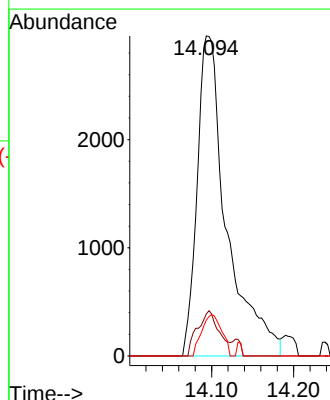
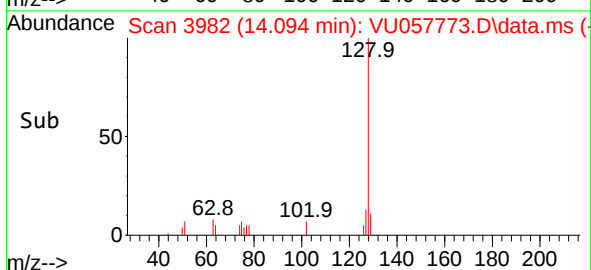
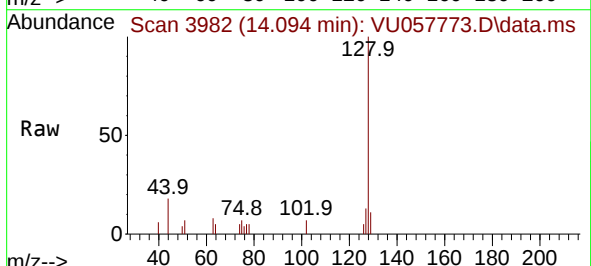
RT: 14.094 min Scan# 3982

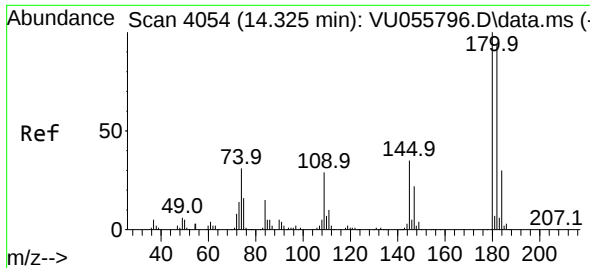
Delta R.T. 0.010 min

Lab File: VU057773.D

Acq: 01 Feb 2024 12:32

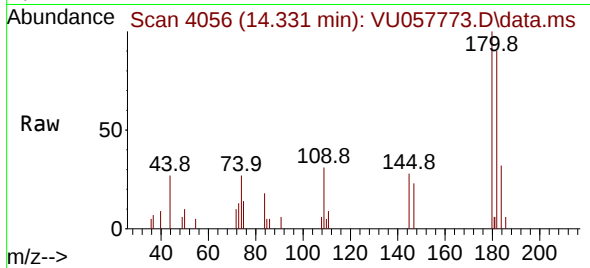
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 7385  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 10.5  | 10.9  | 16.3  |
| 129      | 8.7   | 8.6   | 12.8  |





#90  
 1,2,3-Trichlorobenzene  
 Concen: 0.326 ug/l  
 RT: 14.331 min Scan# 4056  
 Delta R.T. 0.006 min  
 Lab File: VU057773.D  
 Acq: 01 Feb 2024 12:32

Instrument : MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT1-2024



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 102.9 | 75.7  | 113.5 |
| 145     | 33.6  | 26.1  | 39.1  |

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/08/2024  
 Supervised By :Mahesh Dadoda 02/08/2024

