

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070722\  
 Data File : VU049652.D  
 Acq On : 07 Jul 2022 14:30  
 Operator : SY/MD  
 Sample : N3214-08 1.0PPB  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOQ-WATER-02-QT2-2022

Quant Time: Jul 08 07:23:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U070622DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Fri Jul 08 07:22:07 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022  
 Supervised By :Semsettin Yesilyurt 07/08/2022

| Compound                     | R.T.   | QIon | Response | Conc   | Units    | Dev(Min) |
|------------------------------|--------|------|----------|--------|----------|----------|
| -----                        |        |      |          |        |          |          |
| Internal Standards           |        |      |          |        |          |          |
| 1) Fluorobenzene             | 6.115  | 96   | 39570    | 1.000  | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |          |          |
| 57) 4-Bromofluorobenzene     | 10.632 | 95   | 13794    | 0.952  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 95.000%  |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.195 | 152  | 13922    | 1.043  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 104.000% |          |
| Target Compounds             |        |      |          |        |          |          |
|                              |        |      |          |        |          | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.385  | 85   | 17067    | 1.126  | ug/l     | 96       |
| 3) Chloromethane             | 1.533  | 50   | 16641    | 1.074  | ug/l     | 97       |
| 4) Vinyl Chloride            | 1.604  | 62   | 15809    | 1.119  | ug/l     | 96       |
| 5) Bromomethane              | 1.858  | 94   | 7799     | 1.058  | ug/l     | 96       |
| 6) Chloroethane              | 1.935  | 64   | 7930     | 1.002  | ug/l     | # 87     |
| 7) Trichlorofluoromethane    | 2.138  | 101  | 19246    | 1.136  | ug/l     | 99       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.581  | 101  | 9848     | 1.107  | ug/l     | 100      |
| 9) 1,1-Dichloroethene        | 2.581  | 96   | 9498     | 1.059  | ug/l     | 93       |
| 10) Iodomethane              | 2.723  | 142  | 7983     | 0.701  | ug/l     | 99       |
| 11) Allyl Chloride           | 2.922  | 41   | 16100    | 1.052  | ug/l     | 92       |
| 12) Acrylonitrile            | 3.327  | 53   | 5124     | 2.136  | ug/l     | 95       |
| 13) Acetone                  | 2.649  | 43   | 10864    | 5.740  | ug/l     | 99       |
| 14) Carbon Disulfide         | 2.790  | 76   | 30079    | 1.018  | ug/l     | 98       |
| 15) Methylene Chloride       | 3.041  | 84   | 14413    | 1.283  | ug/l     | 94       |
| 16) trans-1,2-Dichloroethene | 3.350  | 96   | 9335     | 0.991  | ug/l     | 96       |
| 17) 1,1-Dichloroethane       | 3.867  | 63   | 21196    | 1.088  | ug/l     | 97       |
| 18) 2-Butanone               | 4.732  | 43   | 16861    | 5.226  | ug/l     | 99       |
| 19) Cyclohexane              | 5.379  | 56   | 17990m   | 0.966  | ug/l     |          |
| 20) Methylcyclohexane        | 6.761  | 83   | 17447    | 0.951  | ug/l     | 97       |
| 21) 2,2-Dichloropropane      | 4.665  | 77   | 16347    | 1.025  | ug/l     | 98       |
| 22) cis-1,2-Dichloroethene   | 4.671  | 96   | 11833    | 1.018  | ug/l     | 95       |
| 23) Diethyl Ether            | 2.379  | 59   | 7969     | 1.043  | ug/l     | 91       |
| 24) tert-Butyl Alcohol       | 3.247  | 59   | 10952m   | 12.559 | ug/l     |          |
| 25) Methyl tert-Butyl Ether  | 3.372  | 73   | 27417    | 1.093  | ug/l     | 99       |
| 26) Bromochloromethane       | 4.973  | 128  | 5075     | 1.037  | ug/l     | 93       |
| 27) Chloroform               | 5.089  | 83   | 21069    | 1.099  | ug/l     | 93       |
| 28) 1,1,1-Trichloroethane    | 5.314  | 97   | 18174    | 1.075  | ug/l     | 97       |
| 29) 1,1-Dichloropropene      | 5.526  | 75   | 14785    | 0.979  | ug/l     | 97       |
| 30) Carbon Tetrachloride     | 5.523  | 117  | 15039    | 1.056  | ug/l     | 98       |
| 31) Isopropyl Ether          | 3.999  | 45   | 34387    | 1.029  | ug/l     | 94       |
| 32) Ethyl-t-butyl ether      | 4.514  | 59   | 30777    | 0.973  | ug/l     | 96       |
| 33) Tert-Amyl methyl ether   | 5.948  | 73   | 26409    | 0.960  | ug/l     | 99       |
| 34) Propionitrile            | 4.809  | 54   | 5283     | 5.711  | ug/l     | # 94     |
| 35) Benzene                  | 5.774  | 78   | 44508    | 1.034  | ug/l     | 98       |
| 36) 1,2-Dichloroethane       | 5.800  | 62   | 13428    | 1.098  | ug/l     | # 88     |
| 37) Trichloroethene          | 6.539  | 130  | 11183    | 1.028  | ug/l     | 99       |
| 38) 1,2-Dichloropropane      | 6.793  | 63   | 12251    | 1.075  | ug/l     | 97       |
| 39) Methacrylonitrile        | 4.983  | 41   | 3951     | 0.997  | ug/l     | 95       |
| 40) Methyl acrylate          | 4.864  | 55   | 7044     | 1.135  | ug/l     | 96       |
| 41) Tetrahydrofuran          | 5.076  | 42   | 5074     | 2.166  | ug/l     | # 81     |
| 42) 1-Chlorobutane           | 5.459  | 56   | 21738    | 1.027  | ug/l     | 98       |
| 43) Dibromomethane           | 6.919  | 93   | 6079     | 1.071  | ug/l     | 98       |
| 44) Bromodichloromethane     | 7.108  | 83   | 14274    | 1.049  | ug/l     | 98       |

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 Sample : N3214-08 1.0PPB  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOQ-WATER-02-QT2-2022

Quant Time: Jul 08 07:23:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U070622DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Fri Jul 08 07:22:07 2022  
 Response via : Initial Calibration

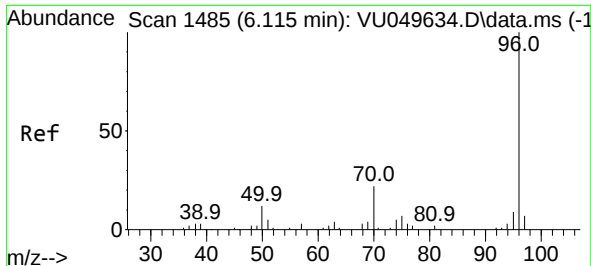
Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022  
 Supervised By :Semsettin Yesilyurt 07/08/2022

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.800  | 43   | 38680    | 5.021 | ug/l   | 99       |
| 46) t-1,4-Dichloro-2-butene   | 10.829 | 75   | 6846m    | 2.731 | ug/l   |          |
| 47) Methyl methacrylate       | 6.970  | 69   | 11577    | 2.023 | ug/l   | 99       |
| 48) Ethyl methacrylate        | 8.337  | 69   | 11055    | 0.963 | ug/l   | 98       |
| 49) Toluene                   | 7.970  | 92   | 25585    | 0.974 | ug/l   | 99       |
| 50) t-1,3-Dichloropropene     | 8.211  | 75   | 12750    | 0.970 | ug/l   | 94       |
| 51) cis-1,3-Dichloropropene   | 7.610  | 75   | 15389    | 0.988 | ug/l   | 96       |
| 52) 1,1,2-Trichloroethane     | 8.401  | 97   | 8694     | 1.110 | ug/l   | 94       |
| 53) 1,3-Dichloropropane       | 8.578  | 76   | 15269    | 1.086 | ug/l   | 98       |
| 54) 2-Hexanone                | 8.690  | 43   | 27035    | 5.053 | ug/l   | 96       |
| 55) Dibromochloromethane      | 8.813  | 129  | 9591     | 1.072 | ug/l   | 99       |
| 56) 1,2-Dibromoethane         | 8.925  | 107  | 8389     | 1.106 | ug/l   | 95       |
| 58) Tetrachloroethene         | 8.552  | 164  | 9500     | 1.051 | ug/l   | 98       |
| 59) Chlorobenzene             | 9.446  | 112  | 27021    | 0.983 | ug/l   | 94       |
| 60) 1,1,1,2-Tetrachloroethane | 9.536  | 131  | 10158    | 1.039 | ug/l   | 98       |
| 61) Pentachloroethane         | 11.430 | 117  | 7717     | 1.028 | ug/l   | 100      |
| 62) Hexachloroethane          | 12.475 | 117  | 7639     | 1.016 | ug/l   | 98       |
| 63) Ethyl Benzene             | 9.571  | 91   | 46646    | 0.943 | ug/l   | 99       |
| 64) m/p-Xylenes               | 9.694  | 106  | 35300    | 1.929 | ug/l   | 95       |
| 65) o-Xylene                  | 10.102 | 106  | 16467    | 0.915 | ug/l   | 97       |
| 66) Styrene                   | 10.115 | 104  | 26707    | 0.924 | ug/l   | 100      |
| 67) Bromoform                 | 10.292 | 173  | 5463     | 1.070 | ug/l   | 98       |
| 69) Isopropylbenzene          | 10.484 | 105  | 44682    | 0.930 | ug/l   | 98       |
| 70) 1,1,2,2-Tetrachloroethane | 10.784 | 83   | 10882    | 1.069 | ug/l   | 97       |
| 71) 1,2,3-Trichloropropane    | 10.829 | 75   | 7599m    | 0.902 | ug/l   |          |
| 72) Bromobenzene              | 10.784 | 156  | 10871    | 1.004 | ug/l   | 96       |
| 73) n-propylbenzene           | 10.906 | 120  | 11572    | 0.954 | ug/l   | 100      |
| 74) 2-Chlorotoluene           | 10.986 | 126  | 10947    | 1.013 | ug/l   | 96       |
| 75) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 37258    | 0.928 | ug/l   | 99       |
| 76) 4-Chlorotoluene           | 11.099 | 126  | 10932    | 1.008 | ug/l   | 88       |
| 77) tert-Butylbenzene         | 11.420 | 119  | 38159    | 0.965 | ug/l   | 97       |
| 78) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 36317    | 0.901 | ug/l   | 99       |
| 79) sec-Butylbenzene          | 11.642 | 105  | 50994    | 0.983 | ug/l   | 98       |
| 80) Nitrobenzene              | 13.214 | 77   | 2136     | 5.131 | ug/l # | 93       |
| 81) p-Isopropyltoluene        | 11.793 | 119  | 40522    | 0.963 | ug/l   | 98       |
| 82) 1,3-Dichlorobenzene       | 11.745 | 146  | 22260    | 1.063 | ug/l   | 99       |
| 83) 1,4-Dichlorobenzene       | 11.838 | 146  | 23132    | 1.095 | ug/l   | 88       |
| 84) n-Butylbenzene            | 12.208 | 91   | 37467    | 0.956 | ug/l   | 97       |
| 85) 1,2-Dichlorobenzene       | 12.214 | 146  | 21639    | 1.067 | ug/l   | 99       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.999 | 75   | 2110     | 1.189 | ug/l # | 81       |
| 87) 1,2,4-Trichlorobenzene    | 13.841 | 180  | 14005    | 1.023 | ug/l   | 97       |
| 88) Hexachlorobutadiene       | 14.021 | 225  | 7674     | 1.100 | ug/l   | 99       |
| 89) Naphthalene               | 14.089 | 128  | 28251    | 0.984 | ug/l   | 99       |
| 90) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 13698    | 1.048 | ug/l   | 98       |

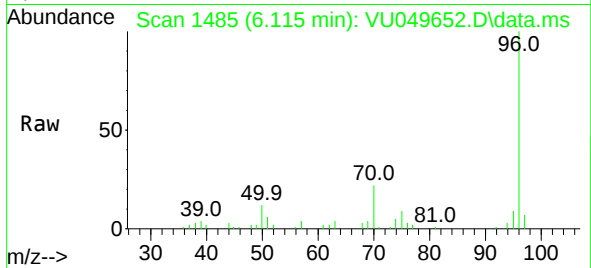
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.115 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

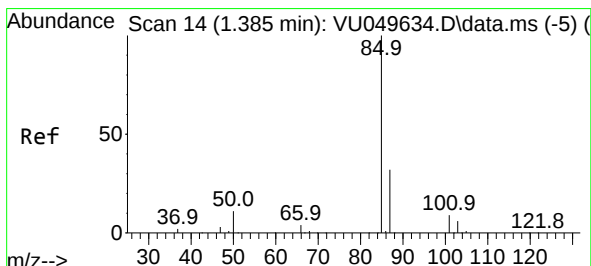
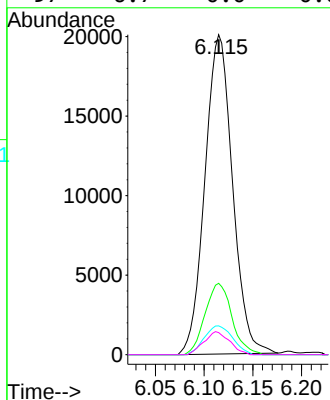
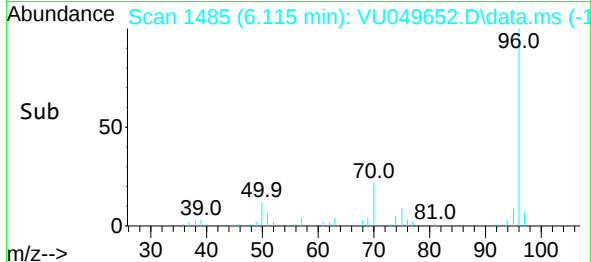
Instrument : MSVOA\_U  
ClientSampleId : LOQ-WATER-02-QT2-2022



Tgt Ion: 96 Resp: 39570  
Ion Ratio Lower Upper  
96 100  
70 21.7 16.7 25.1  
95 9.3 7.4 11.0  
97 6.7 0.0 0.0#

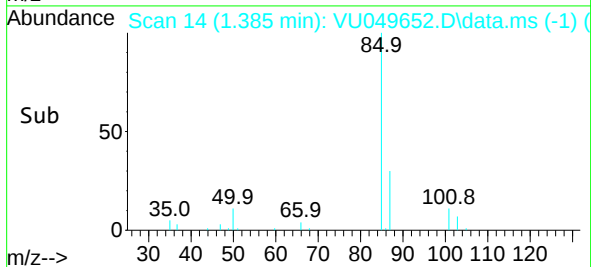
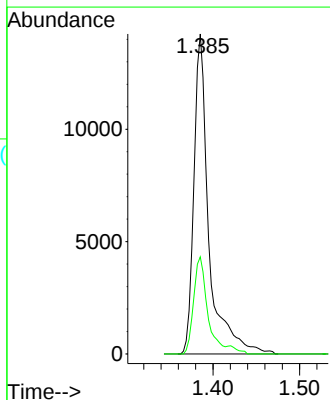
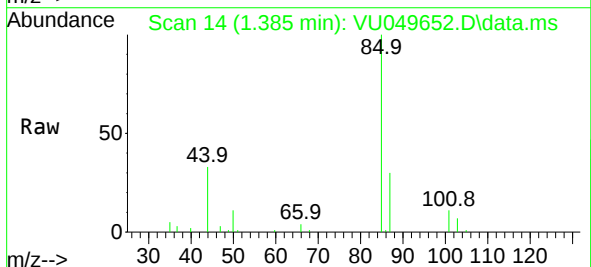
Manual Integrations  
APPROVED

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Supervised By :Semsettin Yesilyurt 07/08/2022



#2  
Dichlorodifluoromethane  
Concen: 1.126 ug/l  
RT: 1.385 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

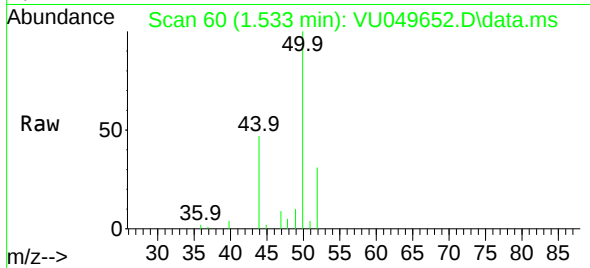
Tgt Ion: 85 Resp: 17067  
Ion Ratio Lower Upper  
85 100  
87 30.4 16.3 48.8





#3  
Chloromethane  
Concen: 1.074 ug/l  
RT: 1.533 min Scan# 60  
Delta R.T. 0.007 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

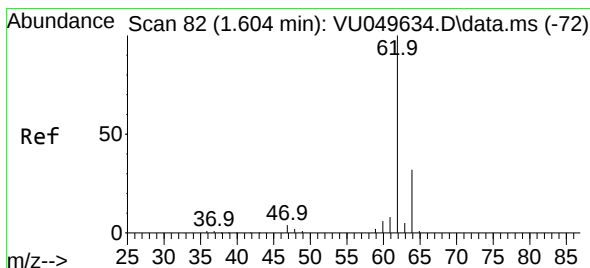
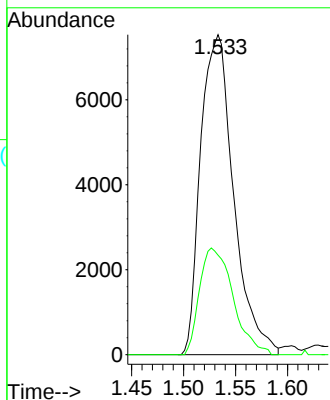
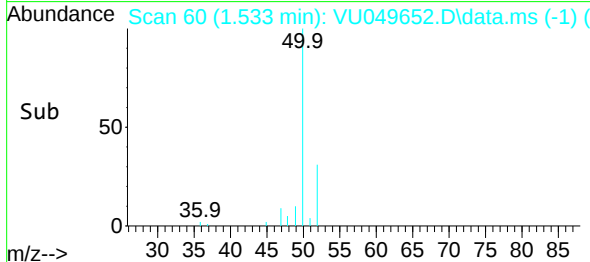
Instrument : MSVOA\_U  
ClientSampleId : LOQ-WATER-02-QT2-2022



Tgt Ion: 50 Resp: 1664  
Ion Ratio Lower Upper  
50 100  
52 31.1 26.1 39.1

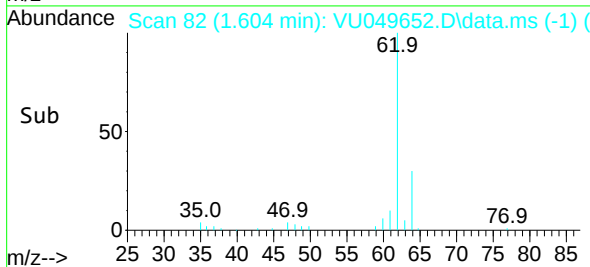
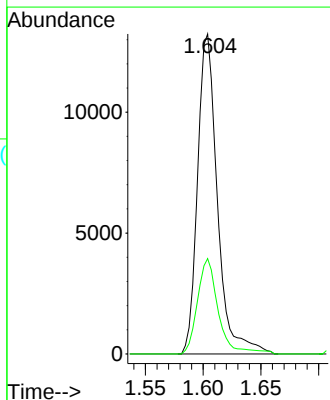
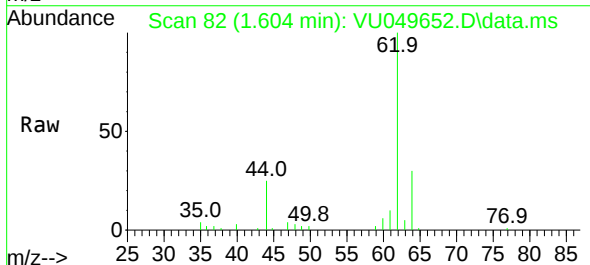
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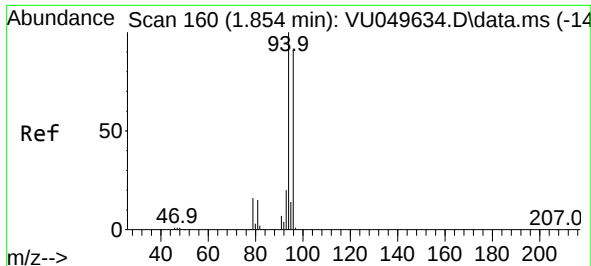
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022



#4  
Vinyl Chloride  
Concen: 1.119 ug/l  
RT: 1.604 min Scan# 82  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

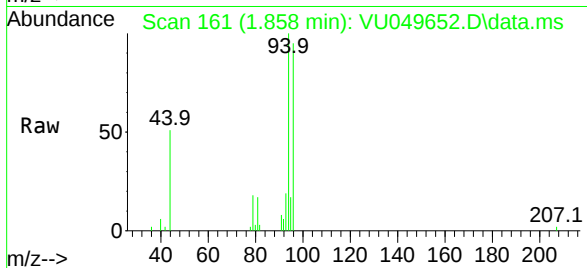
Tgt Ion: 62 Resp: 15809  
Ion Ratio Lower Upper  
62 100  
64 29.8 25.5 38.3





#5  
Bromomethane  
Concen: 1.058 ug/l  
RT: 1.858 min Scan# 161  
Delta R.T. 0.003 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

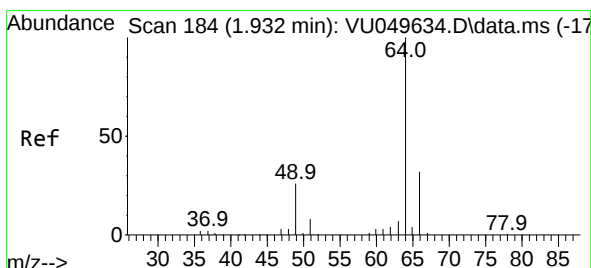
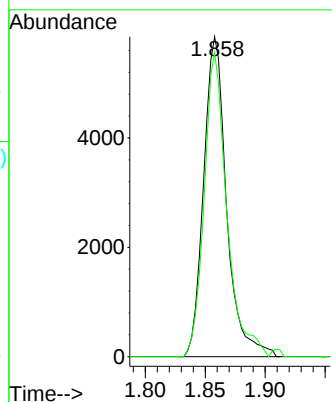
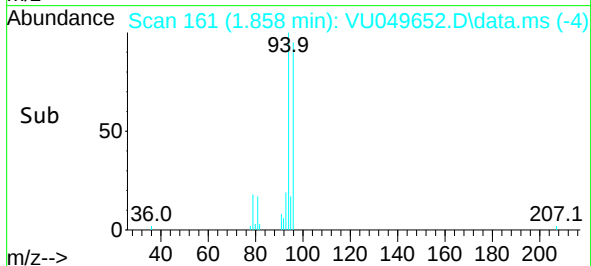
Instrument : MSVOA\_U  
ClientSampleId : LOQ-WATER-02-QT2-2022



Tgt Ion: 94 Resp: 7799  
Ion Ratio Lower Upper  
94 100  
96 95.0 73.0 109.6

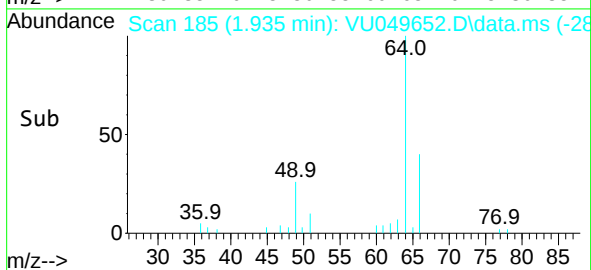
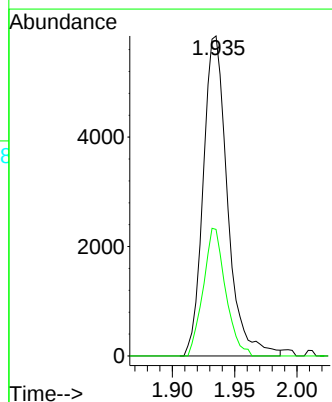
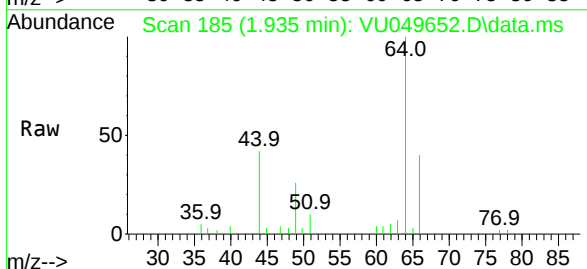
Manual Integrations  
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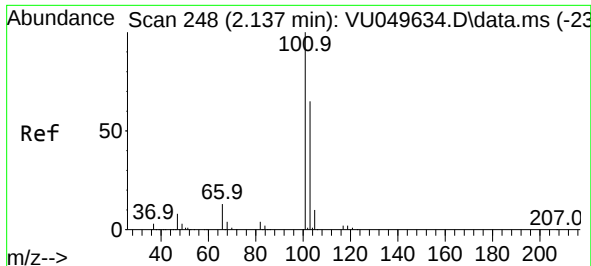
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022



#6  
Chloroethane  
Concen: 1.002 ug/l  
RT: 1.935 min Scan# 185  
Delta R.T. 0.003 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

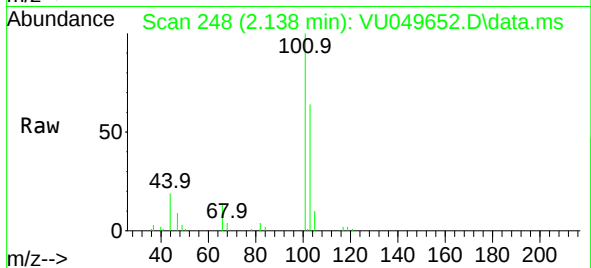
Tgt Ion: 64 Resp: 7930  
Ion Ratio Lower Upper  
64 100  
66 39.5 25.8 38.6#





#7  
 Trichlorofluoromethane  
 Concen: 1.136 ug/l  
 RT: 2.138 min Scan# 248  
 Delta R.T. 0.000 min  
 Lab File: VU049652.D  
 Acq: 07 Jul 2022 14:30

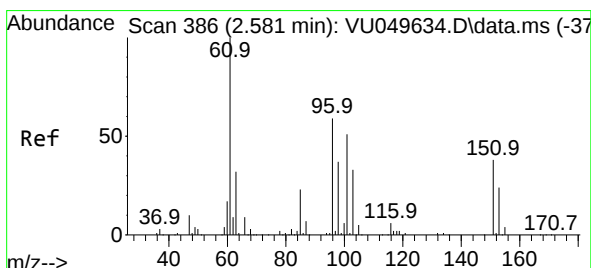
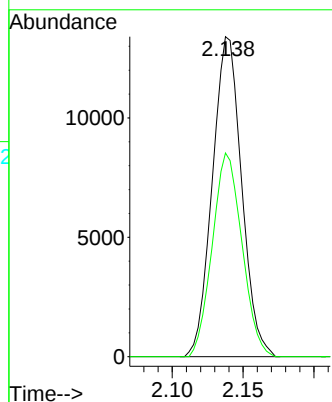
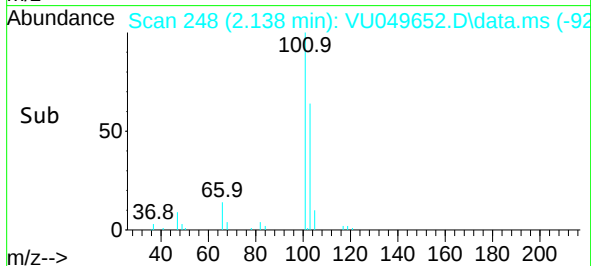
Instrument : MSVOA\_U  
 ClientSampleId :  
 LOQ-WATER-02-QT2-2022



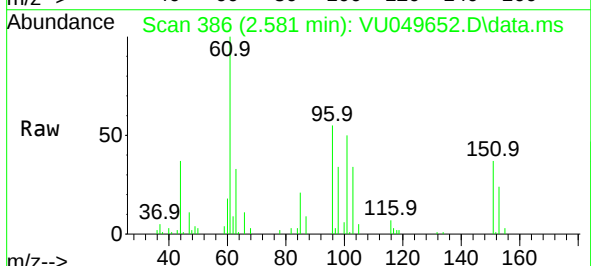
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 Ion Ratio Lower Upper  
 101 100  
 103 63.6 51.8 77.6

Manual Integrations  
 APPROVED

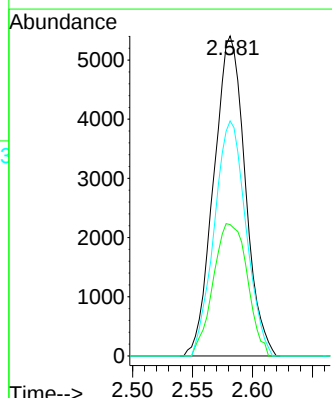
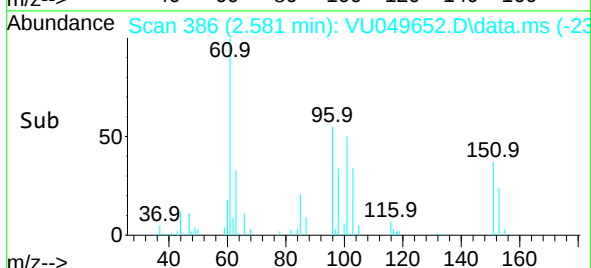
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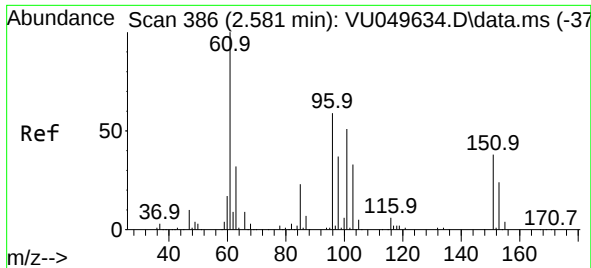


#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 1.107 ug/l  
 RT: 2.581 min Scan# 386  
 Delta R.T. 0.000 min  
 Lab File: VU049652.D  
 Acq: 07 Jul 2022 14:30



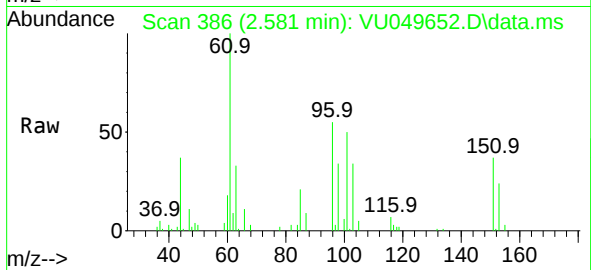
Tgt Ion:101 Resp: 9848  
 Ion Ratio Lower Upper  
 101 100  
 85 44.8 36.4 54.6  
 151 74.0 59.1 88.7





#9  
1,1-Dichloroethene  
Concen: 1.059 ug/l  
RT: 2.581 min Scan# 386  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

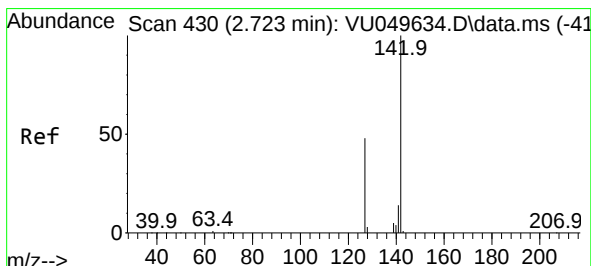
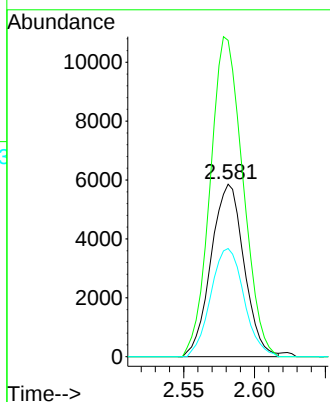
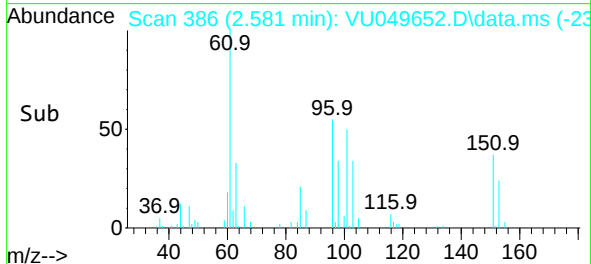
Instrument : MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT2-2022



Tgt Ion: 96 Resp: 9498  
Ion Ratio Lower Upper  
96 100  
61 183.4 0.0 510.6  
98 62.7 0.0 124.6

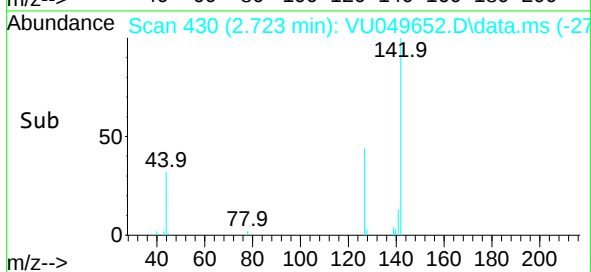
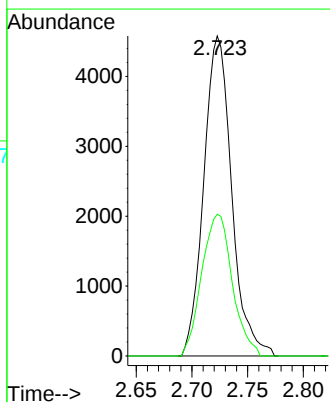
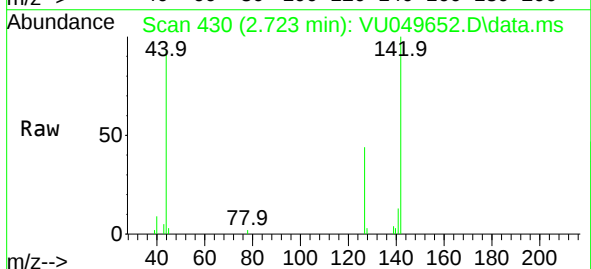
Manual Integrations  
APPROVED

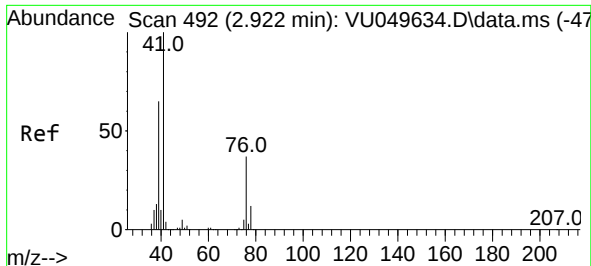
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022



#10  
Iodomethane  
Concen: 0.701 ug/l  
RT: 2.723 min Scan# 430  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

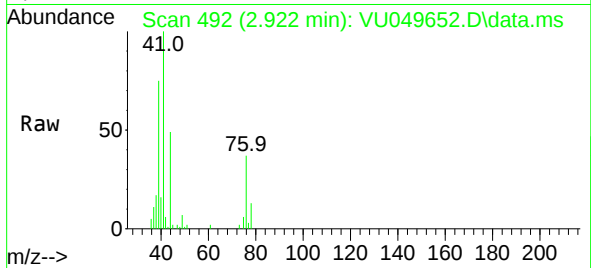
Tgt Ion:142 Resp: 7983  
Ion Ratio Lower Upper  
142 100  
127 48.5 38.2 57.2





#11  
 Allyl Chloride  
 Concen: 1.052 ug/l  
 RT: 2.922 min Scan# 49  
 Delta R.T. 0.000 min  
 Lab File: VU049652.D  
 Acq: 07 Jul 2022 14:30

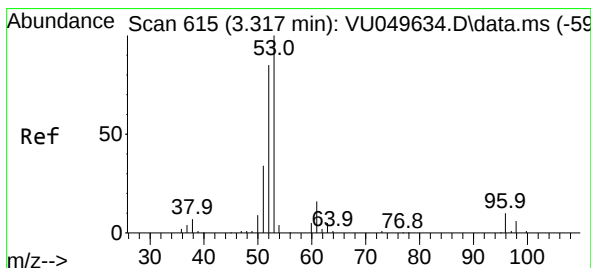
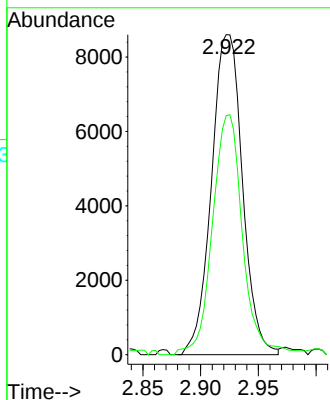
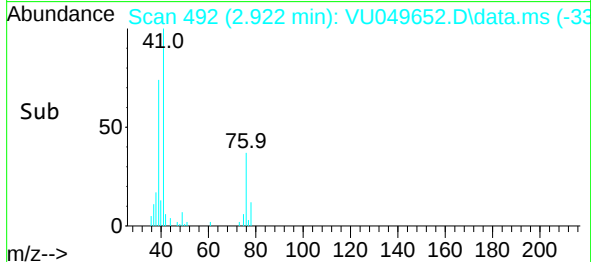
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOQ-WATER-02-QT2-2022



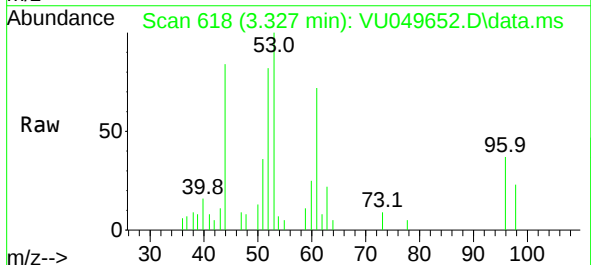
Tgt Ion: 41 Resp: 16100  
 Ion Ratio Lower Upper  
 41 100  
 39 72.8 53.2 79.8

Manual Integrations  
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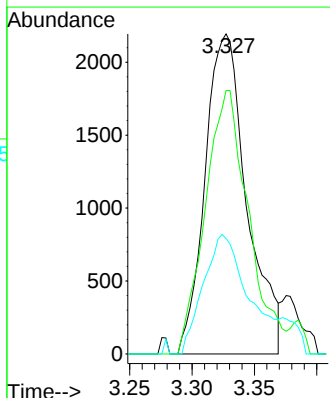
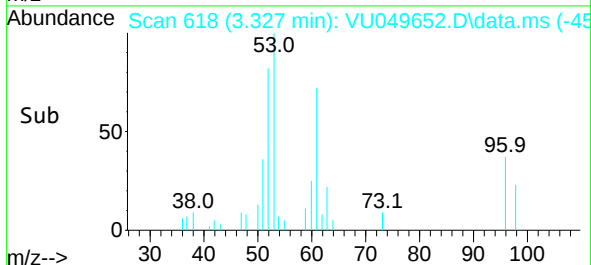
Reviewed By :Mahesh Dadoda 07/08/2022  
 Supervised By :Semsettin Yesilyurt 07/08/2022

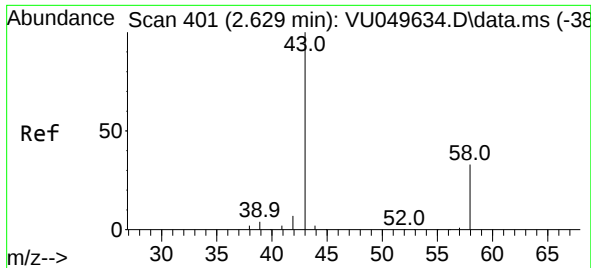


#12  
 Acrylonitrile  
 Concen: 2.136 ug/l  
 RT: 3.327 min Scan# 618  
 Delta R.T. 0.010 min  
 Lab File: VU049652.D  
 Acq: 07 Jul 2022 14:30



Tgt Ion: 53 Resp: 5124  
 Ion Ratio Lower Upper  
 53 100  
 52 85.2 64.6 97.0  
 51 40.6 30.7 46.1





#13

Acetone

Concen: 5.740 ug/l

RT: 2.649 min Scan# 407

Delta R.T. 0.020 min

Lab File: VU049652.D

Acq: 07 Jul 2022 14:30

Instrument :

MSVOA\_U

ClientSampleId :

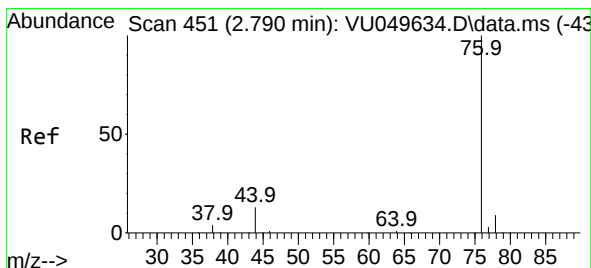
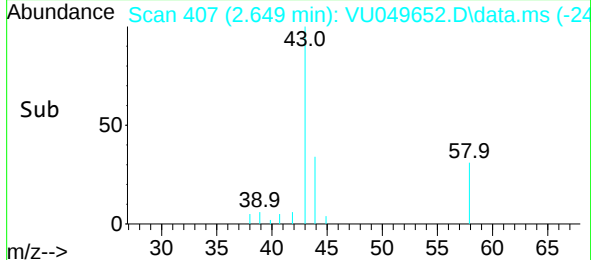
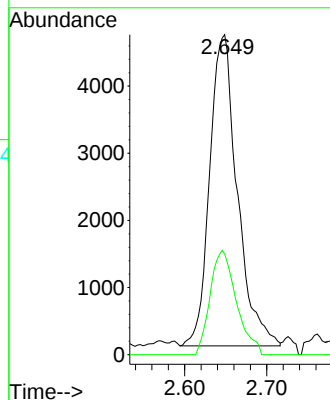
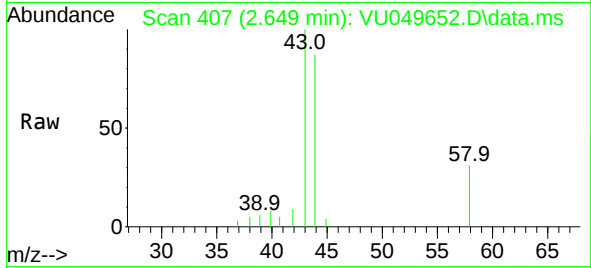
LOQ-WATER-02-QT2-2022

Tgt Ion: 43 Resp: 10864  
 Ion Ratio Lower Upper  
 43 100  
 58 32.3 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022  
 Supervised By :Semsettin Yesilyurt 07/08/2022



#14

Carbon Disulfide

Concen: 1.018 ug/l

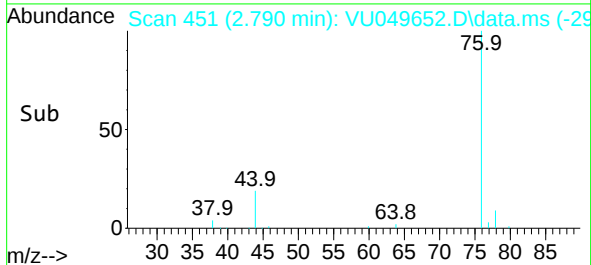
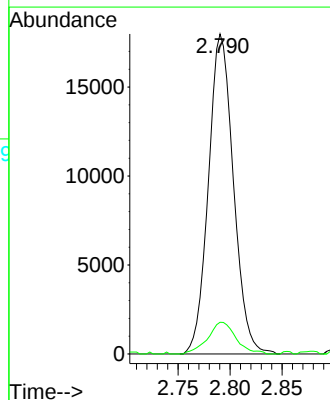
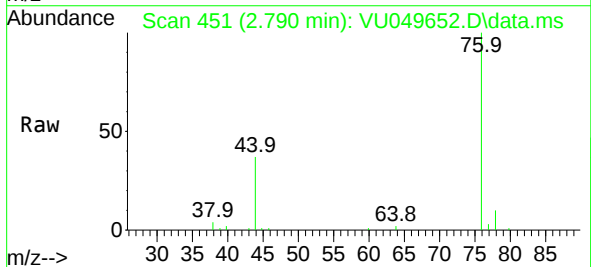
RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU049652.D

Acq: 07 Jul 2022 14:30

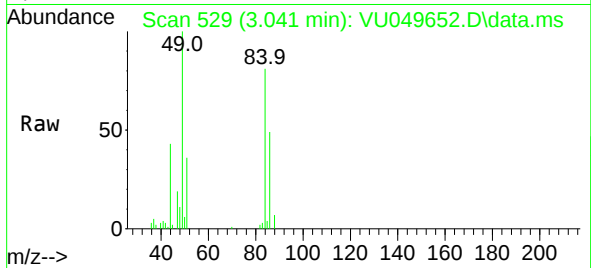
Tgt Ion: 76 Resp: 30079  
 Ion Ratio Lower Upper  
 76 100  
 78 9.9 7.4 11.0





#15  
Methylene Chloride  
Concen: 1.283 ug/l  
RT: 3.041 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

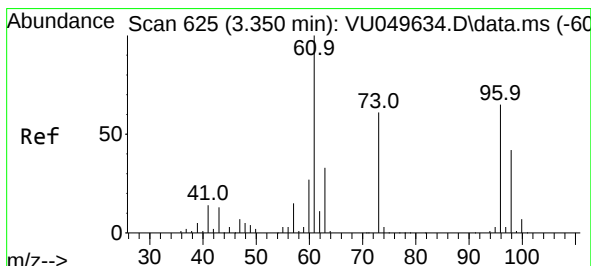
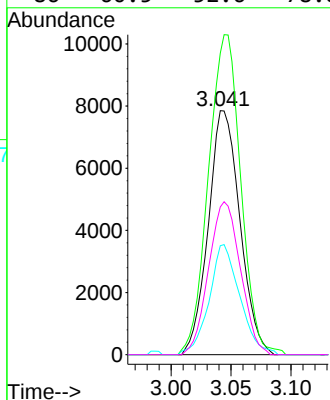
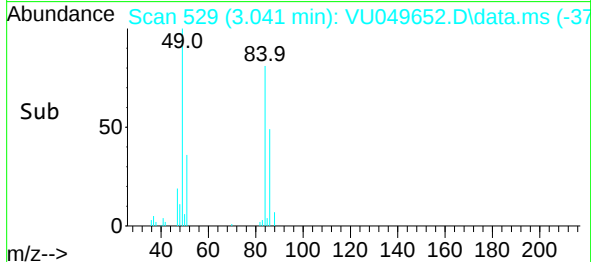
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT2-2022



Tgt Ion: 84 Resp: 1441  
Ion Ratio Lower Upper  
84 100  
49 123.6 104.6 157.0  
51 44.6 0.0 81.4  
86 60.5 52.6 78.8

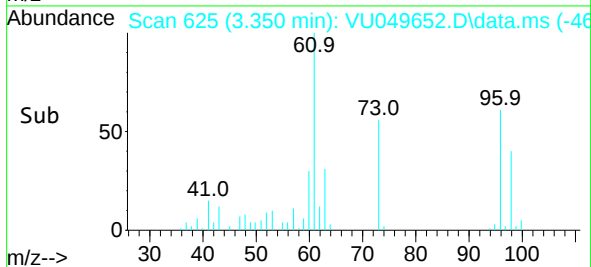
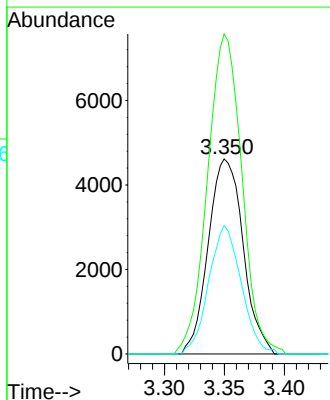
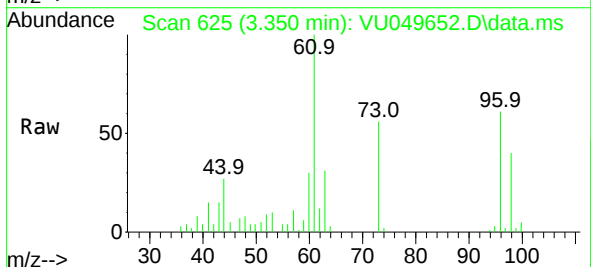
Manual Integrations  
APPROVED

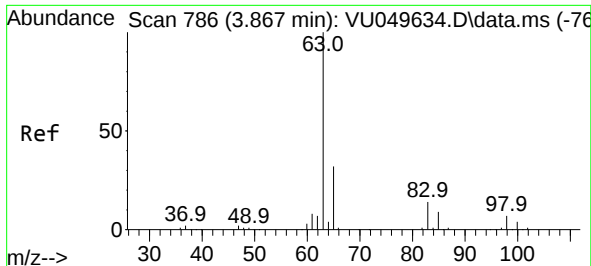
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022



#16  
trans-1,2-Dichloroethene  
Concen: 0.991 ug/l  
RT: 3.350 min Scan# 625  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

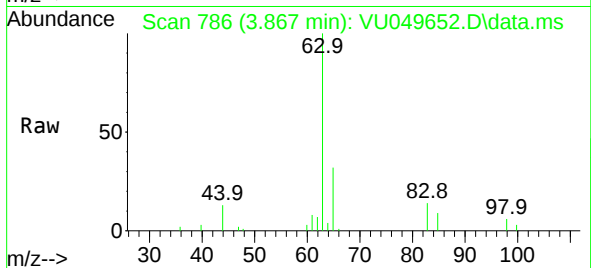
Tgt Ion: 96 Resp: 9335  
Ion Ratio Lower Upper  
96 100  
61 161.2 123.4 185.0  
98 65.8 51.6 77.4





#17  
1,1-Dichloroethane  
Concen: 1.088 ug/l  
RT: 3.867 min Scan# 786  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

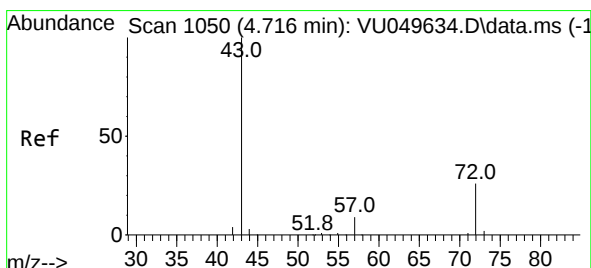
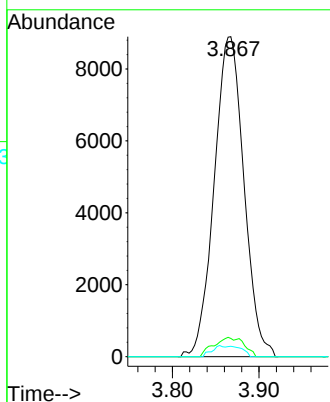
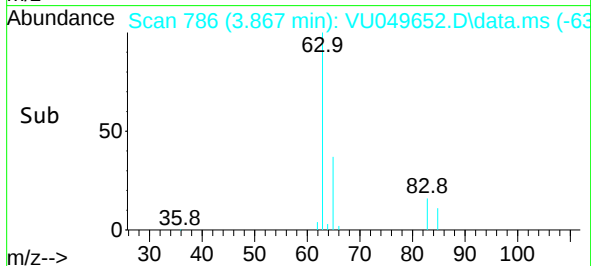
Instrument : MSVOA\_U  
ClientSampleId : LOQ-WATER-02-QT2-2022



Tgt Ion: 63 Resp: 21190  
Ion Ratio Lower Upper  
63 100  
98 5.7 3.4 10.2  
100 3.3 2.0 6.0

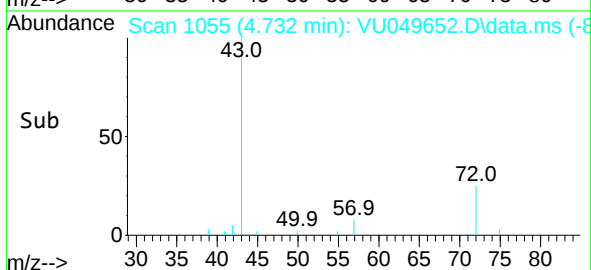
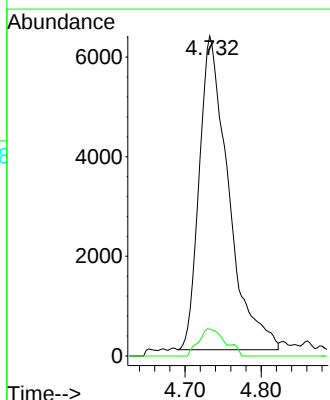
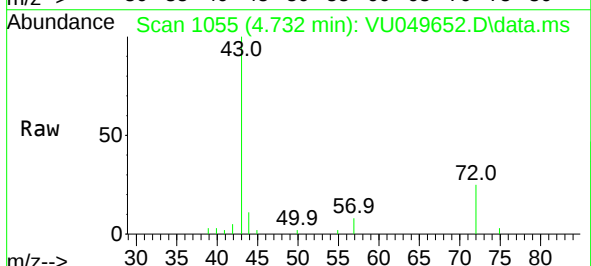
Manual Integrations  
APPROVED

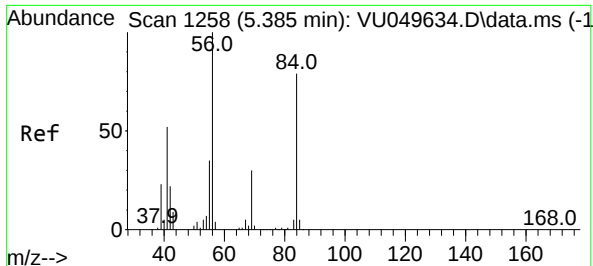
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022



#18  
2-Butanone  
Concen: 5.226 ug/l  
RT: 4.732 min Scan# 1055  
Delta R.T. 0.016 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

Tgt Ion: 43 Resp: 16861  
Ion Ratio Lower Upper  
43 100  
57 8.5 0.0 18.0





#19

Cyclohexane

Concen: 0.966 ug/l m

RT: 5.379 min Scan# 1256

Delta R.T. -0.006 min

Lab File: VU049652.D

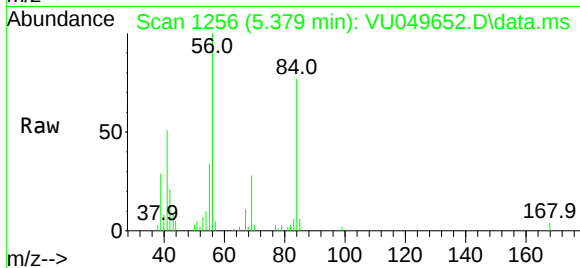
Acq: 07 Jul 2022 14:30

Instrument :

MSVOA\_U

ClientSampleId :

LOQ-WATER-02-QT2-2022

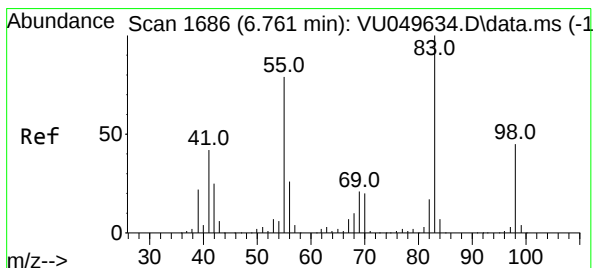
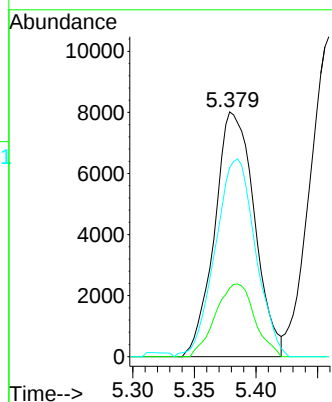


|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 17990 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 29.1  | 24.2  | 36.4  |
| 84        | 81.3  | 63.4  | 95.2  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022



#20

Methylcyclohexane

Concen: 0.951 ug/l

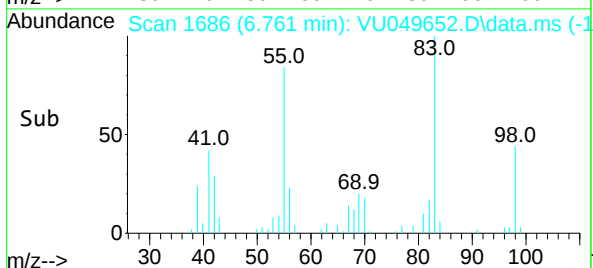
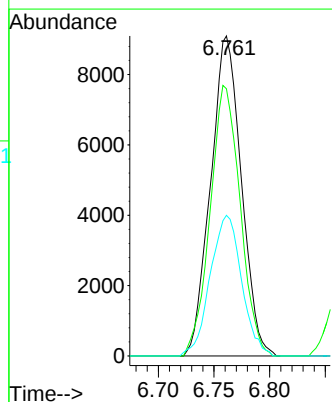
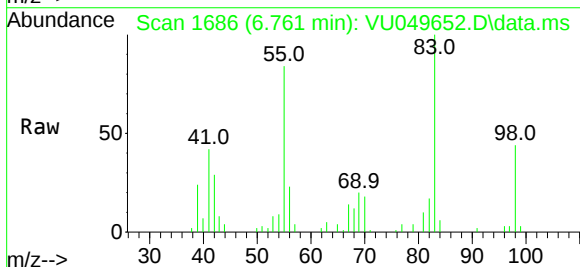
RT: 6.761 min Scan# 1686

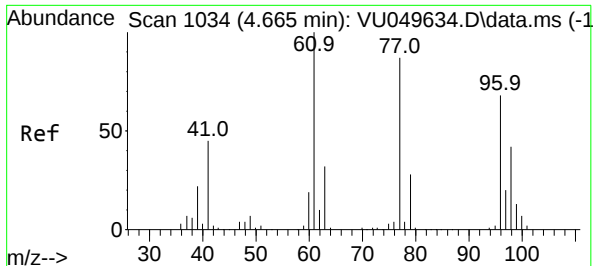
Delta R.T. 0.000 min

Lab File: VU049652.D

Acq: 07 Jul 2022 14:30

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 17447 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 82.7  | 63.0  | 94.4  |
| 98        | 45.0  | 35.7  | 53.5  |





#21

2,2-Dichloropropane

Concen: 1.025 ug/l

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU049652.D

Acq: 07 Jul 2022 14:30

Instrument :

MSVOA\_U

ClientSampleId :

LOQ-WATER-02-QT2-2022

Tgt Ion: 77 Resp: 1634

Ion Ratio Lower Upper

77 100

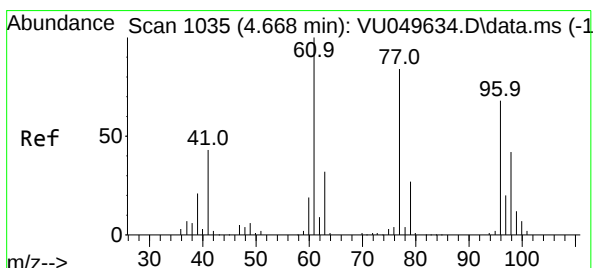
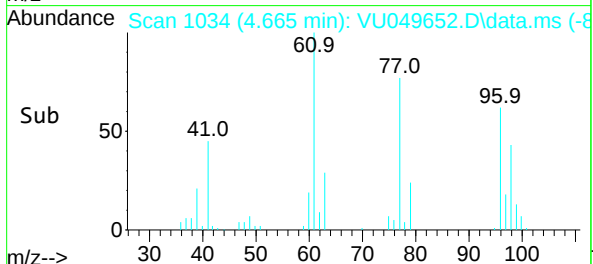
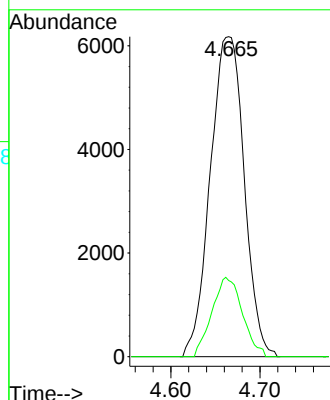
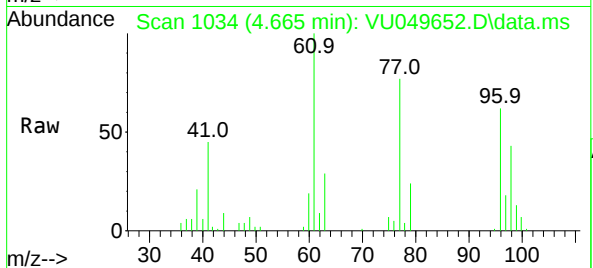
97 22.2 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022

Supervised By :Semsettin Yesilyurt 07/08/2022



#22

cis-1,2-Dichloroethene

Concen: 1.018 ug/l

RT: 4.671 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VU049652.D

Acq: 07 Jul 2022 14:30

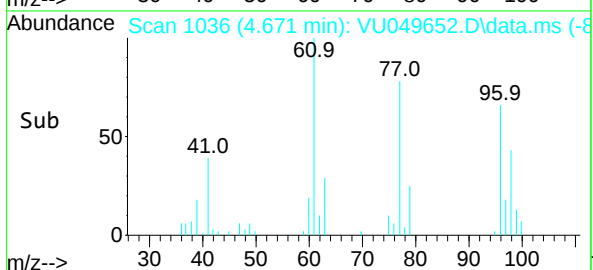
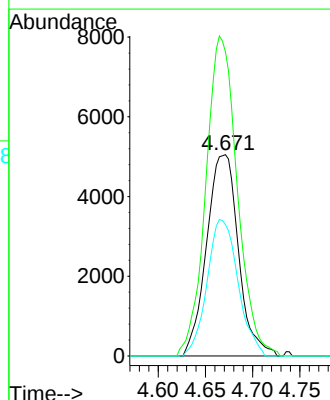
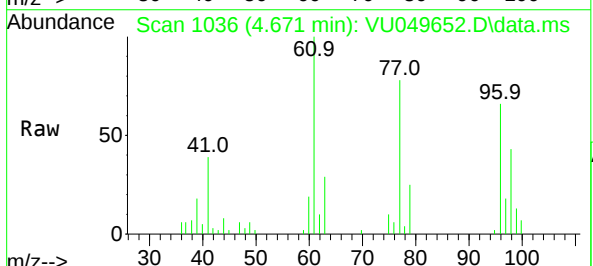
Tgt Ion: 96 Resp: 11833

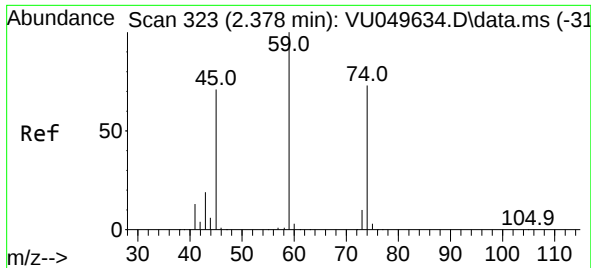
Ion Ratio Lower Upper

96 100

61 156.8 0.0 375.8

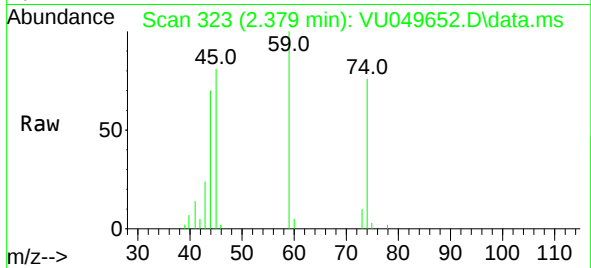
98 65.7 31.6 95.0





#23  
Diethyl Ether  
Concen: 1.043 ug/l  
RT: 2.379 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

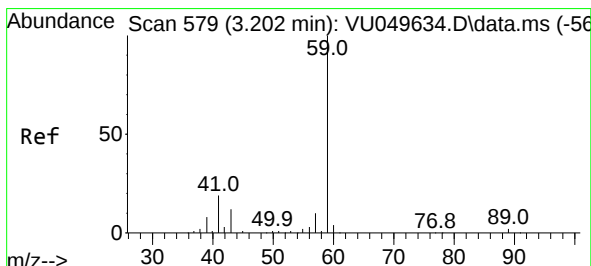
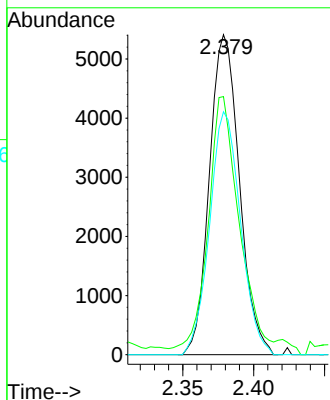
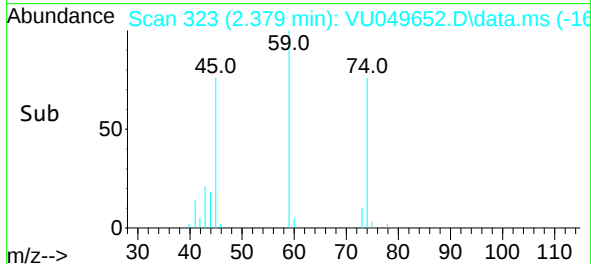
Instrument : MSVOA\_U  
ClientSampleId : LOQ-WATER-02-QT2-2022



Tgt Ion: 59 Resp: 7969  
Ion Ratio Lower Upper  
59 100  
45 79.1 56.0 84.0  
74 78.4 57.6 86.4

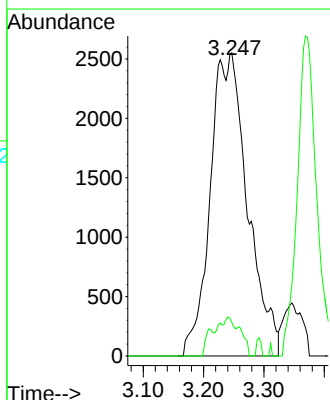
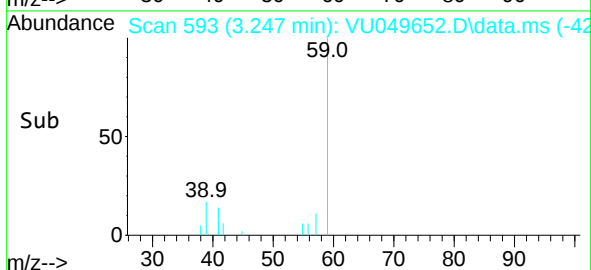
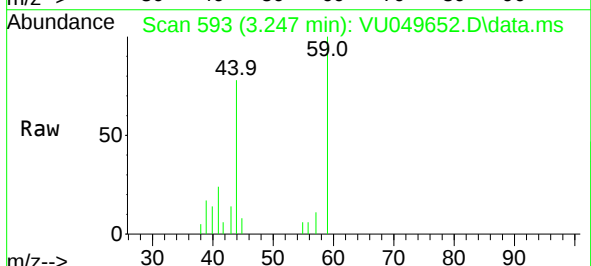
Manual Integrations  
APPROVED

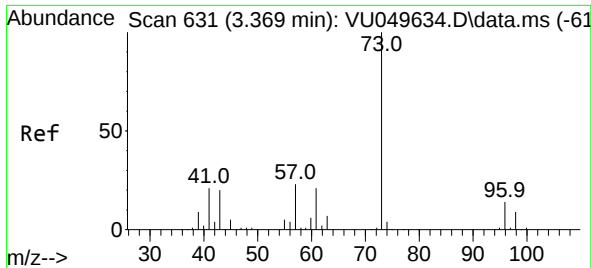
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022



#24  
tert-Butyl Alcohol  
Concen: 12.559 ug/l m  
RT: 3.247 min Scan# 593  
Delta R.T. 0.045 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

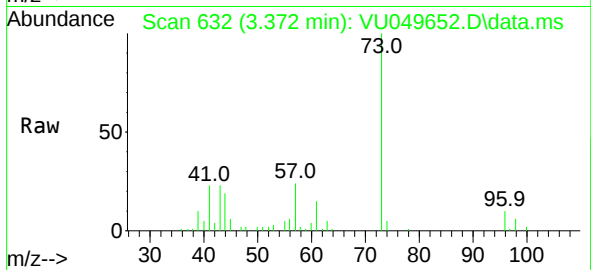
Tgt Ion: 59 Resp: 10952  
Ion Ratio Lower Upper  
59 100  
57 7.2 8.2 12.2#





#25  
Methyl tert-Butyl Ether  
Concen: 1.093 ug/l  
RT: 3.372 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

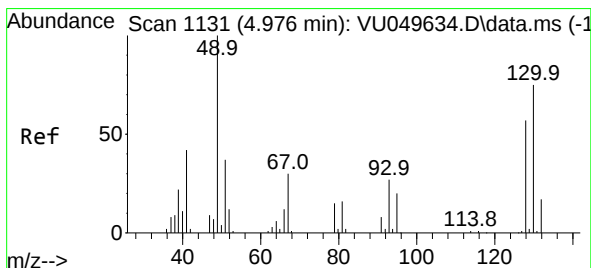
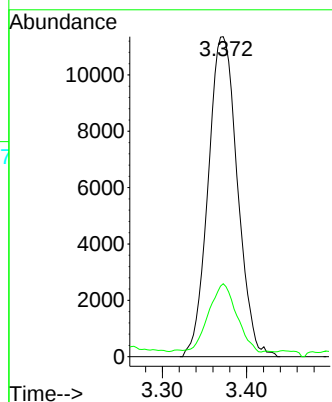
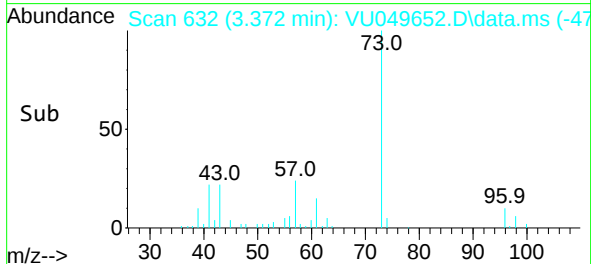
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT2-2022



Tgt Ion: 73 Resp: 2741  
Ion Ratio Lower Upper  
73 100  
43 20.4 15.9 23.9

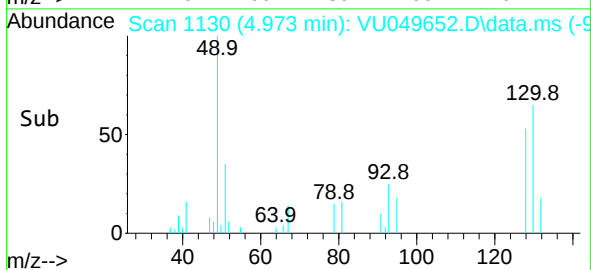
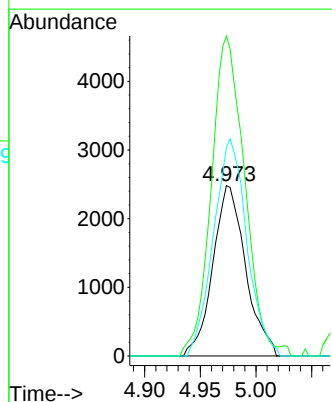
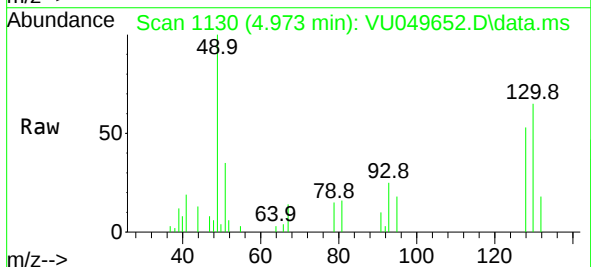
Manual Integrations  
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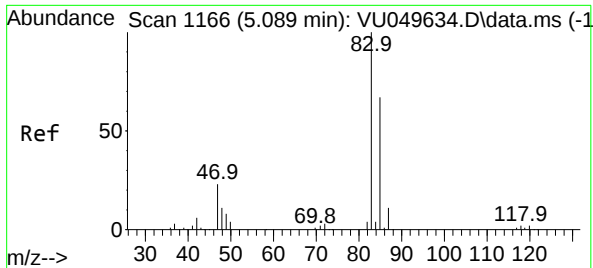
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022



#26  
Bromochloromethane  
Concen: 1.037 ug/l  
RT: 4.973 min Scan# 1130  
Delta R.T. -0.003 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

Tgt Ion:128 Resp: 5075  
Ion Ratio Lower Upper  
128 100  
49 191.2 0.0 349.2  
130 130.1 103.0 154.6





#27

Chloroform

Concen: 1.099 ug/l

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU049652.D

Acq: 07 Jul 2022 14:30

Instrument :

MSVOA\_U

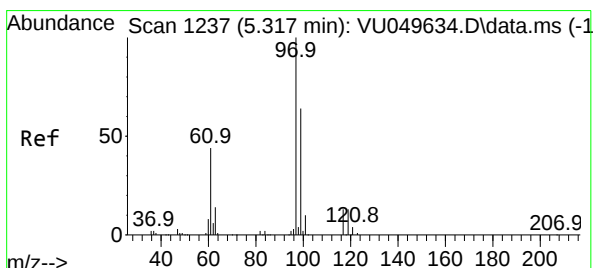
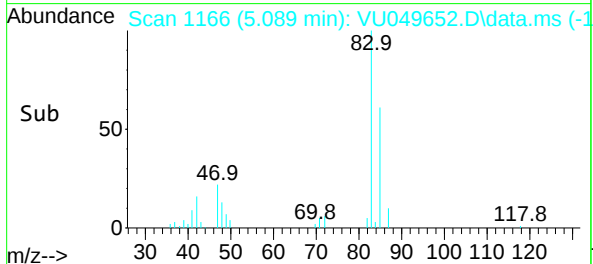
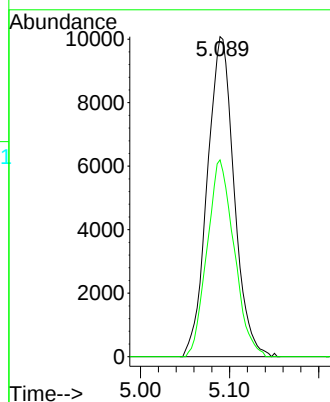
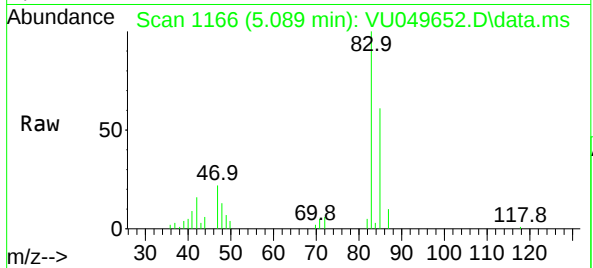
ClientSampleId :

LOQ-WATER-02-QT2-2022

Tgt Ion: 83 Resp: 21069  
 Ion Ratio Lower Upper  
 83 100  
 85 61.5 0.0 133.6

Manual Integrations  
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Reviewed By :Mahesh Dadoda 07/08/2022  
 Supervised By :Semsettin Yesilyurt 07/08/2022



#28

1,1,1-Trichloroethane

Concen: 1.075 ug/l

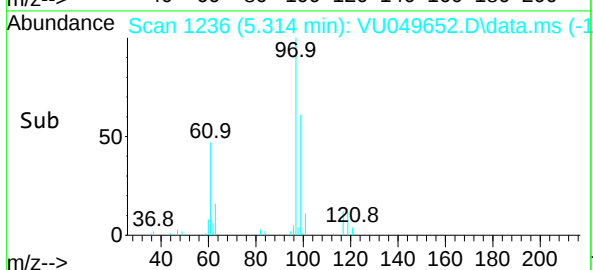
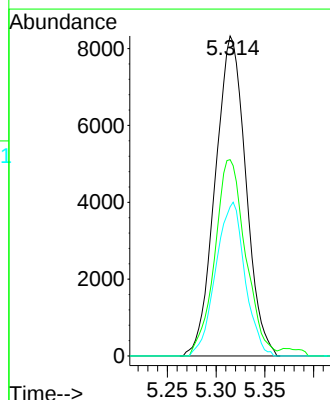
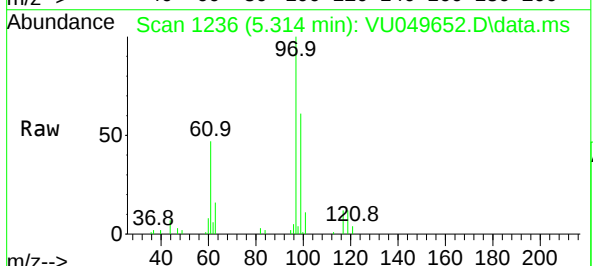
RT: 5.314 min Scan# 1236

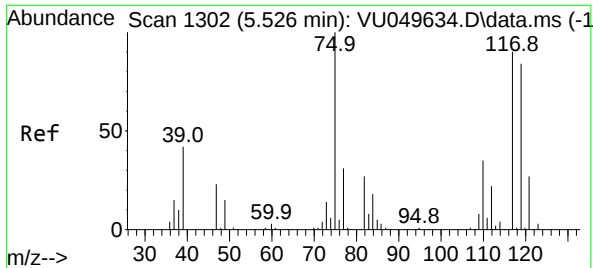
Delta R.T. -0.003 min

Lab File: VU049652.D

Acq: 07 Jul 2022 14:30

Tgt Ion: 97 Resp: 18174  
 Ion Ratio Lower Upper  
 97 100  
 99 61.8 32.1 96.5  
 61 45.9 21.8 65.4





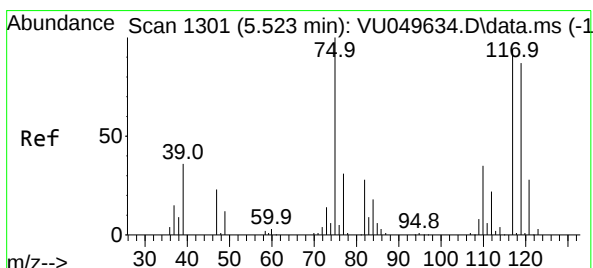
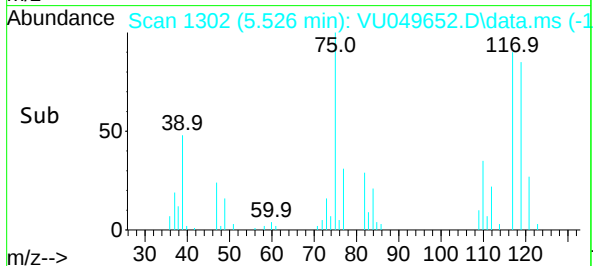
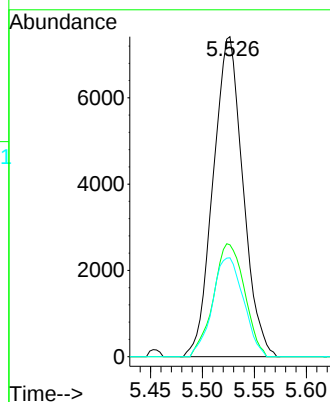
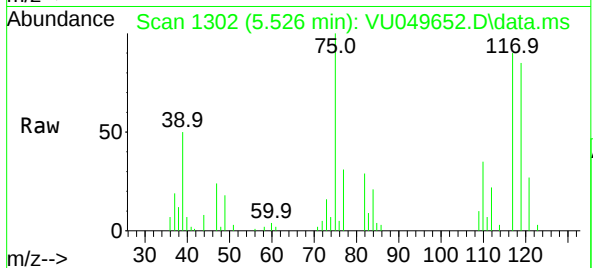
#29  
1,1-Dichloropropene  
Concen: 0.979 ug/l  
RT: 5.526 min Scan# 1302  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

Instrument : MSVOA\_U  
ClientSampleId : LOQ-WATER-02-QT2-2022

Tgt Ion: 75 Resp: 1478  
Ion Ratio Lower Upper  
75 100  
110 36.7 17.3 52.0  
77 32.3 24.6 37.0

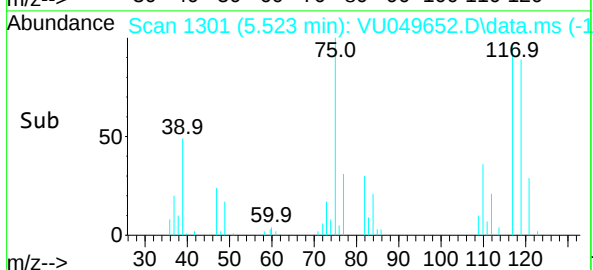
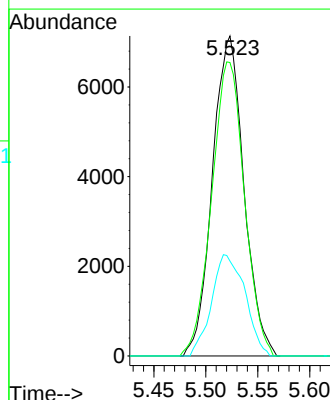
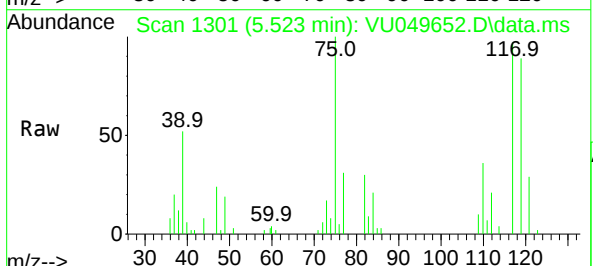
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022



#30  
Carbon Tetrachloride  
Concen: 1.056 ug/l  
RT: 5.523 min Scan# 1301  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

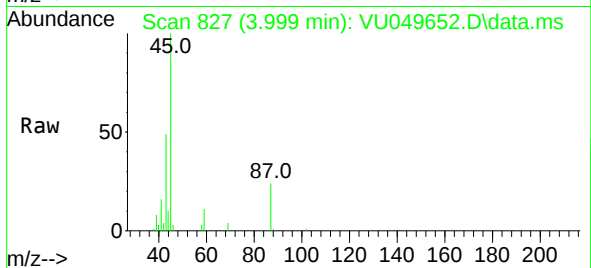
Tgt Ion:117 Resp: 15039  
Ion Ratio Lower Upper  
117 100  
119 91.7 74.6 112.0  
121 29.6 24.2 36.4





#31  
Isopropyl Ether  
Concen: 1.029 ug/l  
RT: 3.999 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

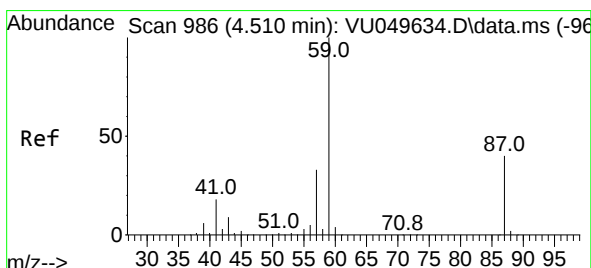
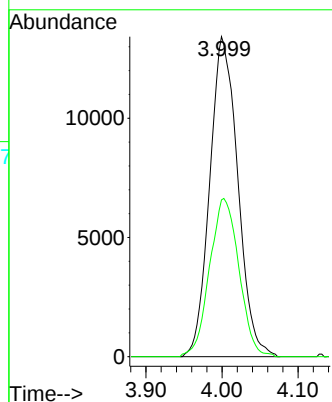
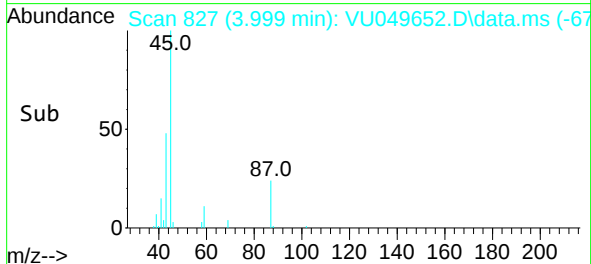
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT2-2022



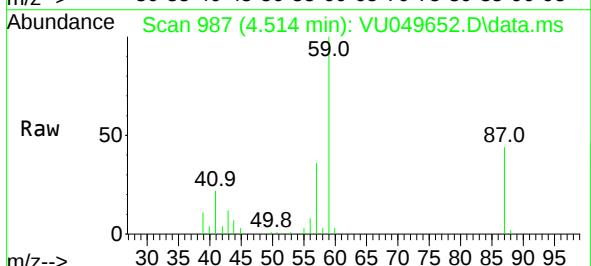
Tgt Ion: 45 Resp: 3438  
Ion Ratio Lower Upper  
45 100  
43 51.8 23.8 71.2

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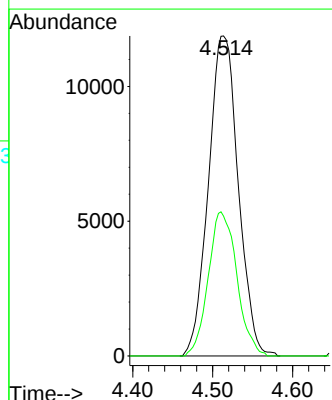
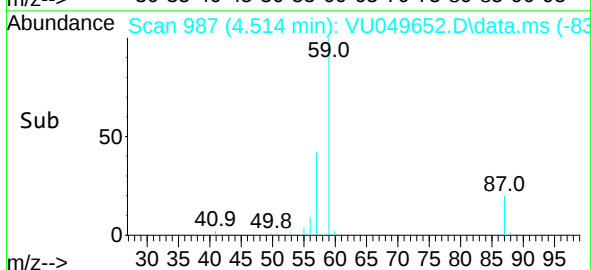
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022



#32  
Ethyl-t-butyl ether  
Concen: 0.973 ug/l  
RT: 4.514 min Scan# 987  
Delta R.T. 0.003 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30



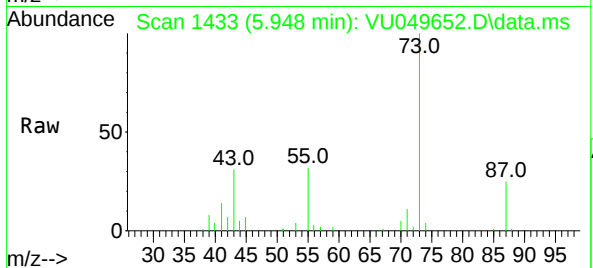
Tgt Ion: 59 Resp: 30777  
Ion Ratio Lower Upper  
59 100  
87 43.1 32.5 48.7





#33  
Tert-Amyl methyl ether  
Concen: 0.960 ug/l  
RT: 5.948 min Scan# 1432  
Delta R.T. 0.003 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

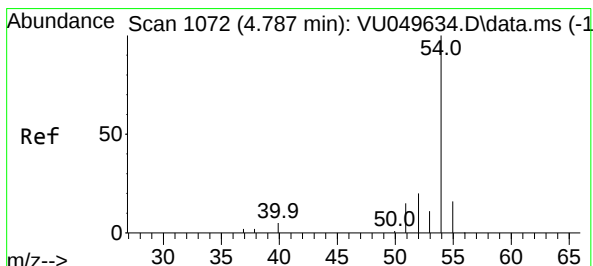
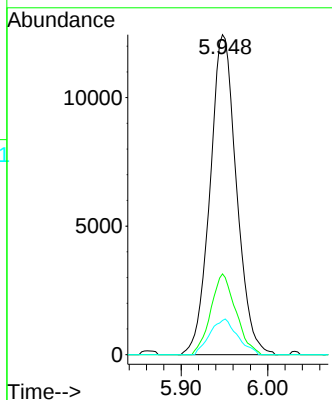
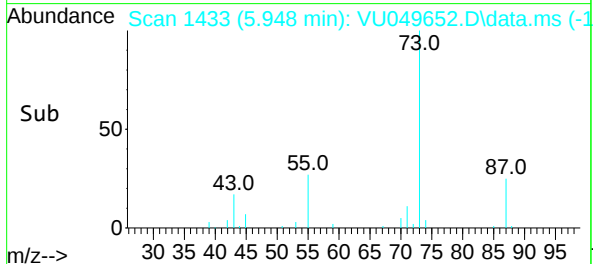
Instrument : MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT2-2022



Tgt Ion: 73 Resp: 26409  
Ion Ratio Lower Upper  
73 100  
87 23.9 19.7 29.5  
71 11.6 9.0 13.4

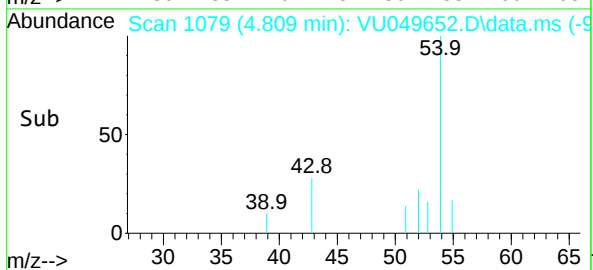
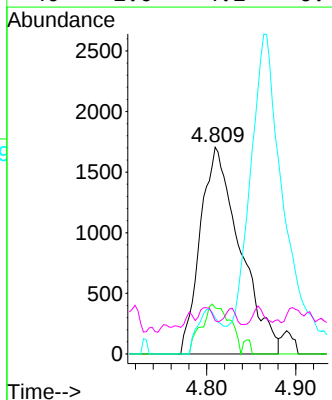
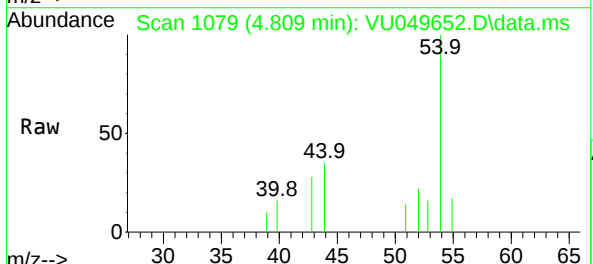
Manual Integrations  
APPROVED

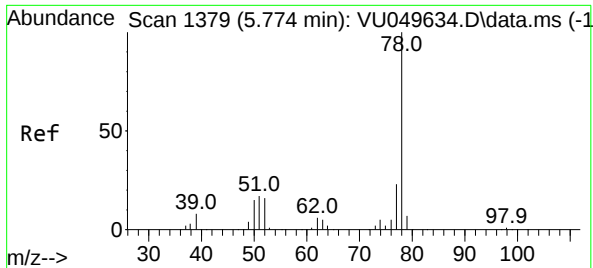
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022



#34  
Propionitrile  
Concen: 5.711 ug/l  
RT: 4.809 min Scan# 1079  
Delta R.T. 0.022 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

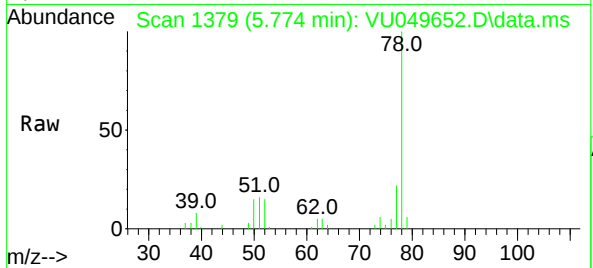
Tgt Ion: 54 Resp: 5283  
Ion Ratio Lower Upper  
54 100  
52 17.1 15.0 22.6  
55 12.9 12.6 19.0  
40 2.0 4.2 6.4





#35  
Benzene  
Concen: 1.034 ug/l  
RT: 5.774 min Scan# 1379  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

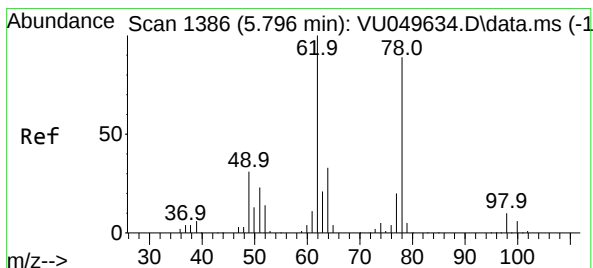
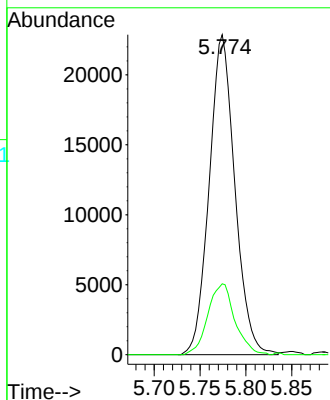
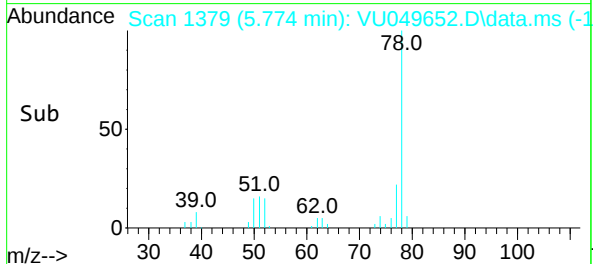
Instrument : MSVOA\_U  
ClientSampleId : LOQ-WATER-02-QT2-2022



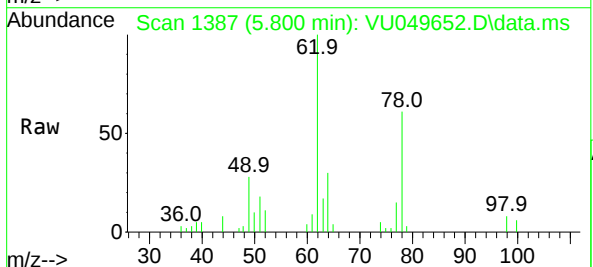
Tgt Ion: 78 Resp: 44508  
Ion Ratio Lower Upper  
78 100  
77 22.2 18.6 28.0

Manual Integrations  
APPROVED

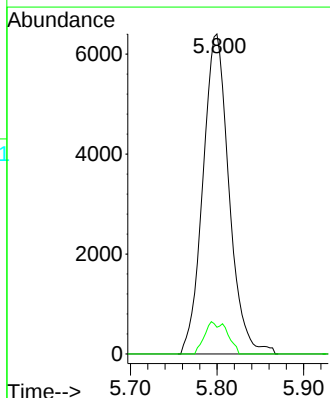
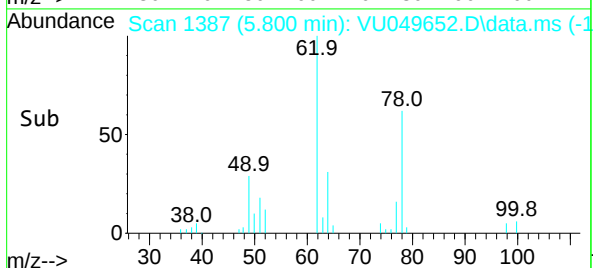
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022

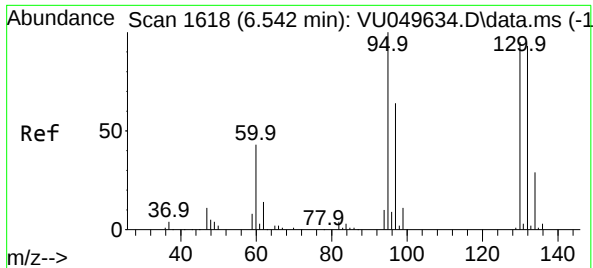


#36  
1,2-Dichloroethane  
Concen: 1.098 ug/l  
RT: 5.800 min Scan# 1387  
Delta R.T. 0.003 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30



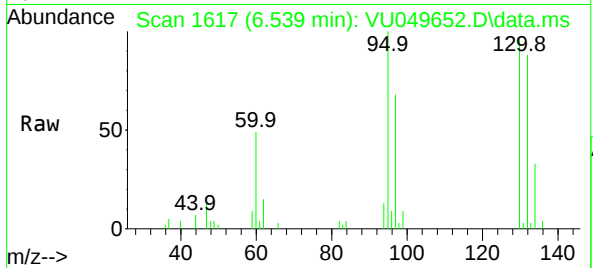
Tgt Ion: 62 Resp: 13428  
Ion Ratio Lower Upper  
62 100  
98 4.9 7.4 11.0#





#37  
Trichloroethene  
Concen: 1.028 ug/l  
RT: 6.539 min Scan# 1617  
Delta R.T. -0.003 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

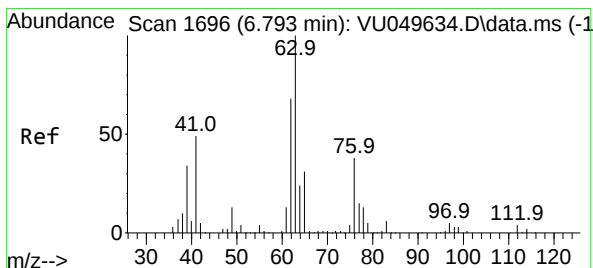
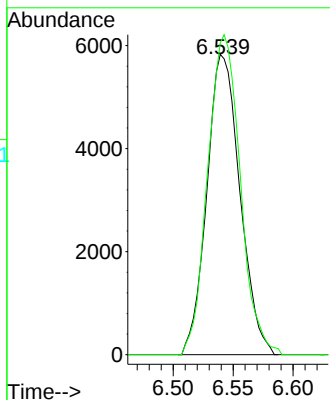
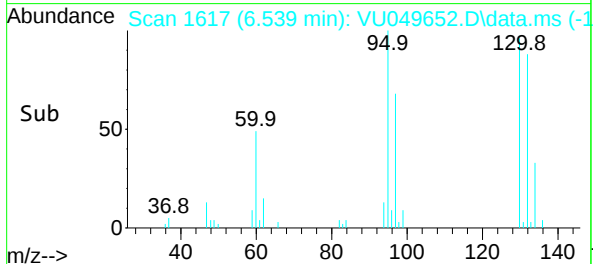
Instrument : MSVOA\_U  
ClientSampleId : LOQ-WATER-02-QT2-2022



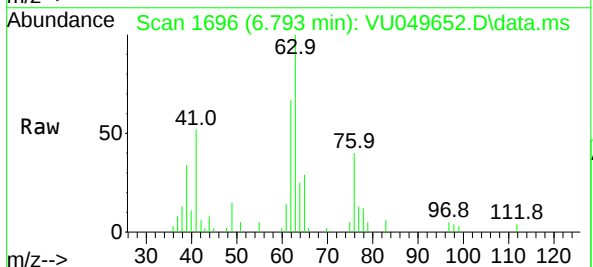
Tgt Ion:130 Resp: 1118  
Ion Ratio Lower Upper  
130 100  
95 103.8 83.8 125.8

Manual Integrations  
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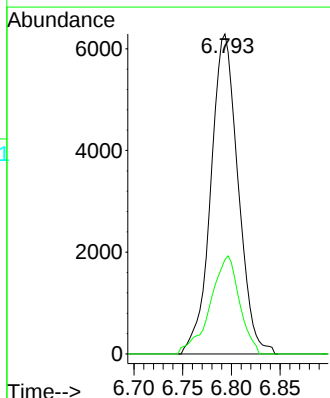
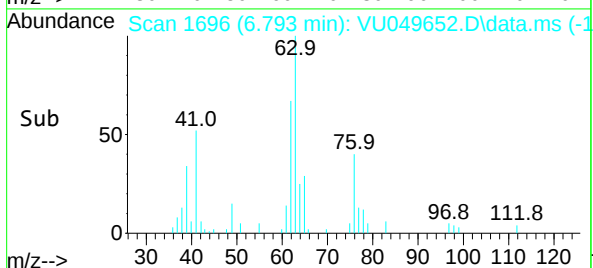
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022

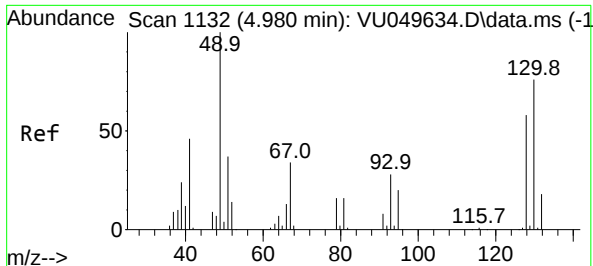


#38  
1,2-Dichloropropane  
Concen: 1.075 ug/l  
RT: 6.793 min Scan# 1696  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30



Tgt Ion: 63 Resp: 12251  
Ion Ratio Lower Upper  
63 100  
65 29.5 25.0 37.4





#39

Methacrylonitrile

Concen: 0.997 ug/l

RT: 4.983 min Scan# 1132

Delta R.T. 0.003 min

Lab File: VU049652.D

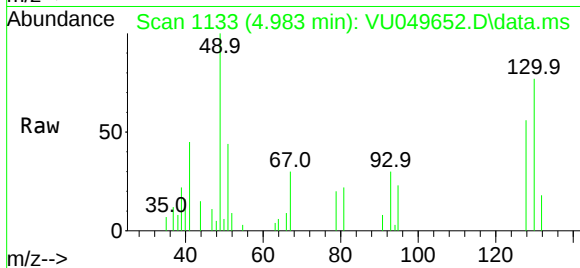
Acq: 07 Jul 2022 14:30

Instrument :

MSVOA\_U

ClientSampleId :

LOQ-WATER-02-QT2-2022

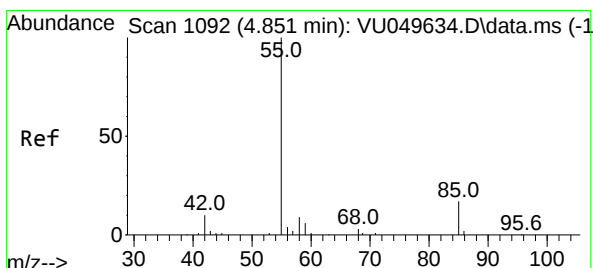
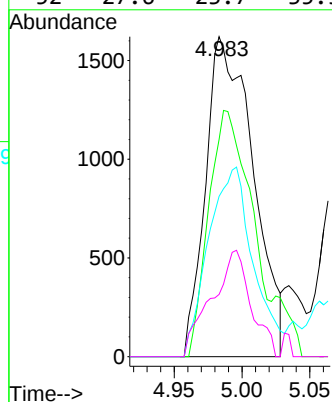
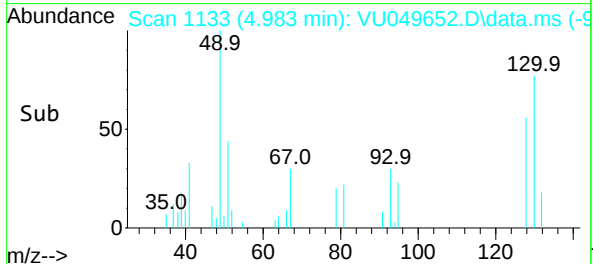


| Tgt Ion: | 41    | Resp: | 395   |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 67       | 68.8  | 59.4  | 89.0  |
| 39       | 55.8  | 42.2  | 63.2  |
| 52       | 27.6  | 23.7  | 35.5  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022



#40

Methyl acrylate

Concen: 1.135 ug/l

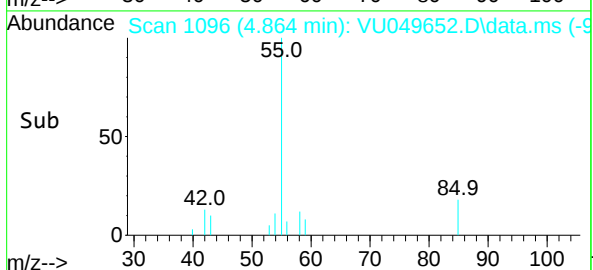
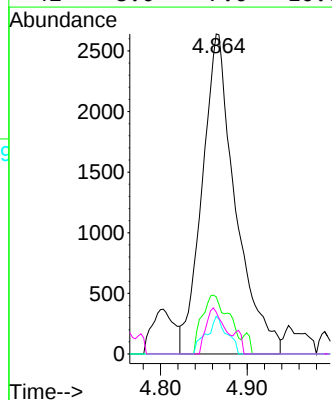
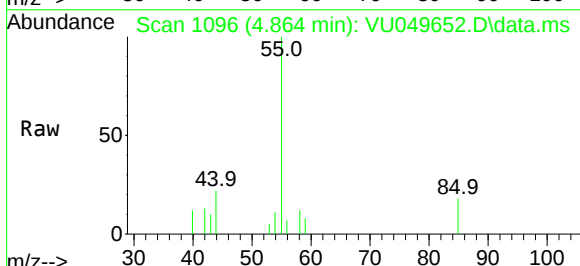
RT: 4.864 min Scan# 1096

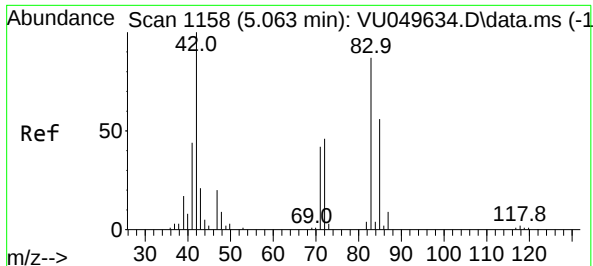
Delta R.T. 0.013 min

Lab File: VU049652.D

Acq: 07 Jul 2022 14:30

| Tgt Ion: | 55    | Resp: | 7044  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 55       | 100   |       |       |
| 85       | 15.0  | 13.5  | 20.3  |
| 58       | 7.3   | 7.0   | 10.4  |
| 42       | 8.0   | 7.0   | 10.6  |





#41

Tetrahydrofuran

Concen: 2.166 ug/l

RT: 5.076 min Scan# 1158

Delta R.T. 0.013 min

Lab File: VU049652.D

Acq: 07 Jul 2022 14:30

Instrument :

MSVOA\_U

ClientSampleId :

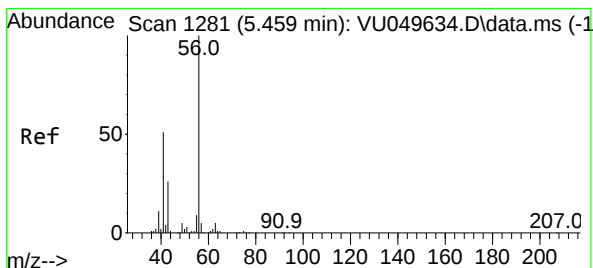
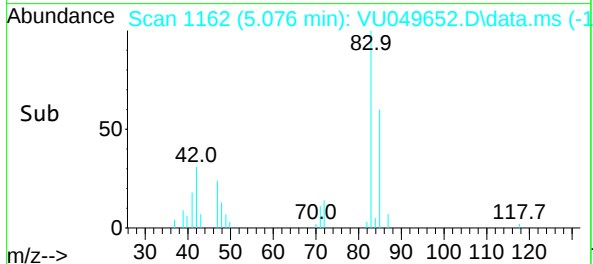
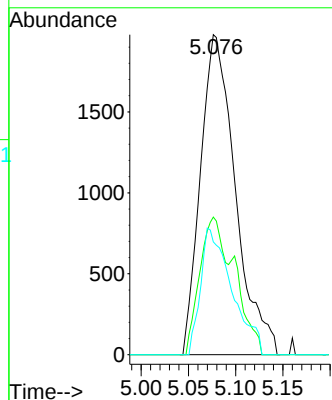
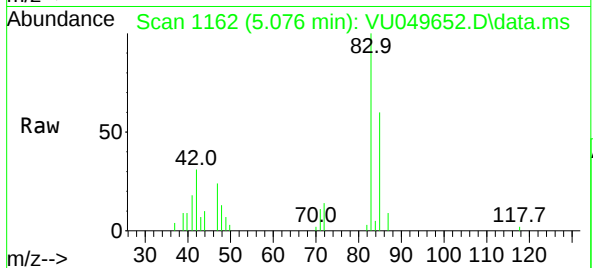
LOQ-WATER-02-QT2-2022

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 42    | Resp: | 5074 |
| Ion Ratio | Lower | Upper |      |
| 42        | 100   |       |      |
| 72        | 30.9  | 38.9  | 58.3 |
| 71        | 35.4  | 33.7  | 50.5 |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022



#42

1-Chlorobutane

Concen: 1.027 ug/l

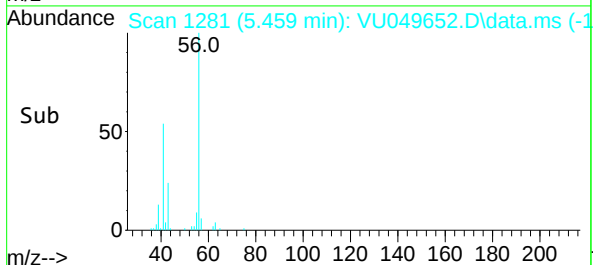
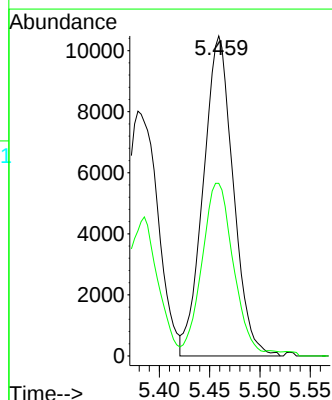
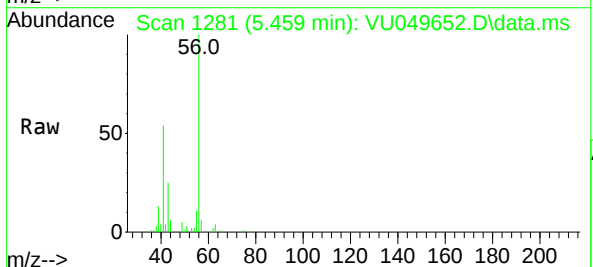
RT: 5.459 min Scan# 1281

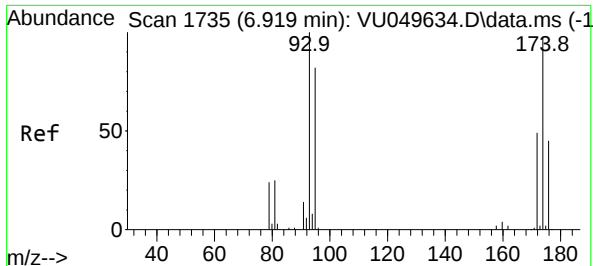
Delta R.T. 0.000 min

Lab File: VU049652.D

Acq: 07 Jul 2022 14:30

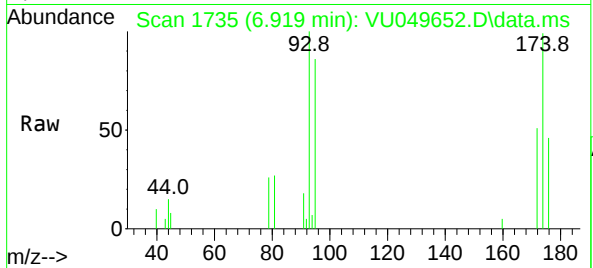
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 21738 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 41        | 54.0  | 26.4  | 79.2  |





#43  
Dibromomethane  
Concen: 1.071 ug/l  
RT: 6.919 min Scan# 1735  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

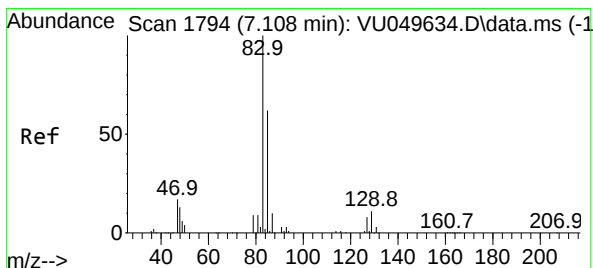
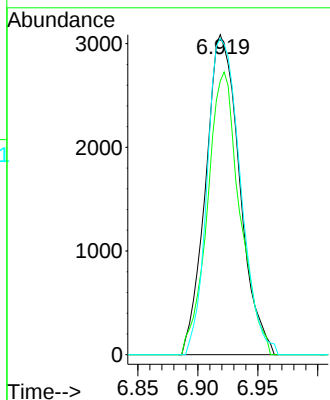
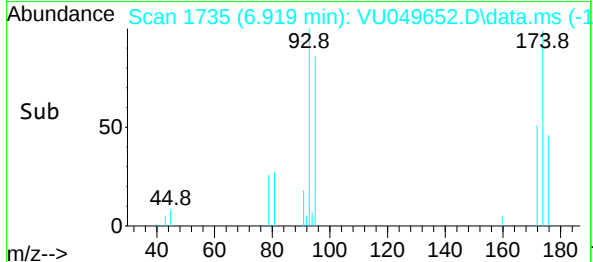
Instrument : MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT2-2022



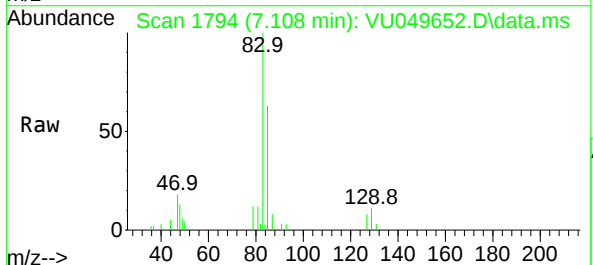
Tgt Ion: 93 Resp: 6079  
Ion Ratio Lower Upper  
93 100  
95 84.2 65.0 97.6  
174 96.5 76.3 114.5

Manual Integrations  
APPROVED

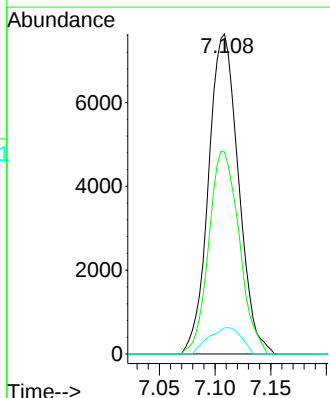
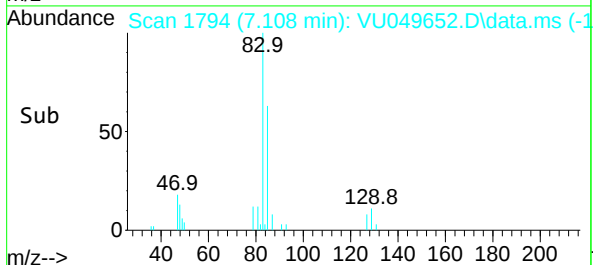
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022



#44  
Bromodichloromethane  
Concen: 1.049 ug/l  
RT: 7.108 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30



Tgt Ion: 83 Resp: 14274  
Ion Ratio Lower Upper  
83 100  
85 63.2 49.4 74.0  
127 8.2 6.6 10.0





#45

4-Methyl-2-Pentanone

Concen: 5.021 ug/l

RT: 7.800 min Scan# 2008

Delta R.T. 0.003 min

Lab File: VU049652.D

Acq: 07 Jul 2022 14:30

Instrument :

MSVOA\_U

ClientSampleId :

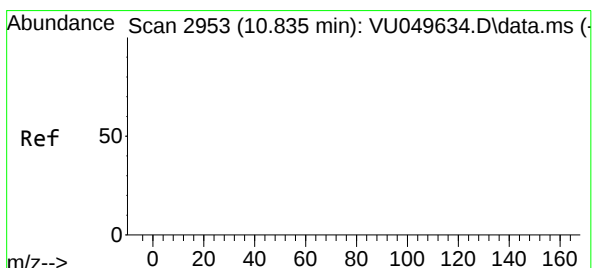
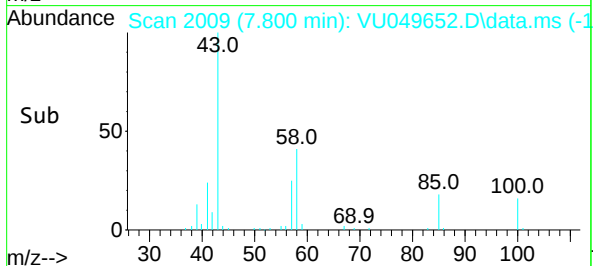
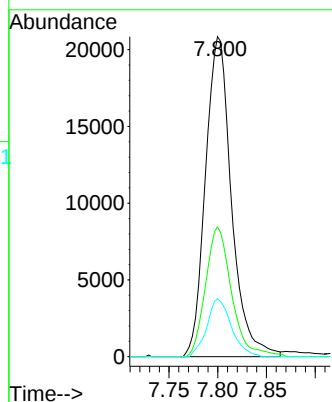
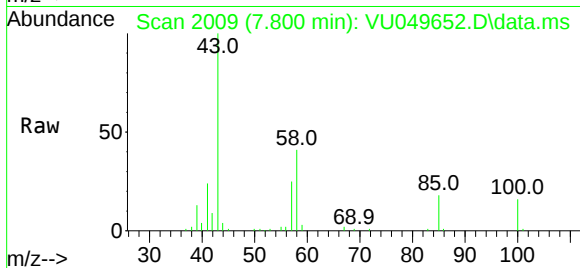
LOQ-WATER-02-QT2-2022

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 38680 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 40.6     | 20.3 61.0   |
| 85 17.1     | 14.6 21.8   |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022



#46

t-1,4-Dichloro-2-butene

Concen: 2.731 ug/l m

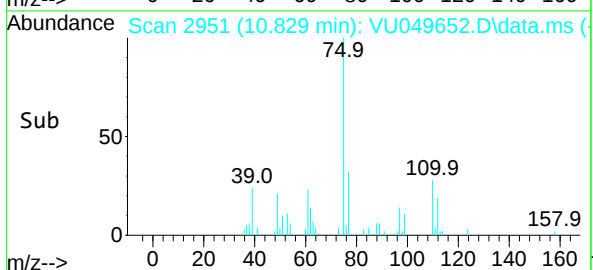
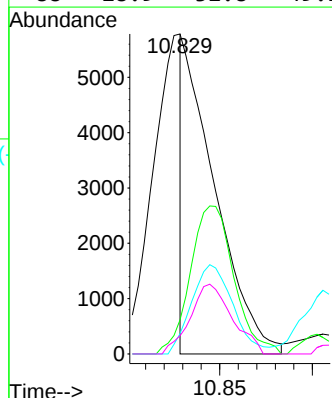
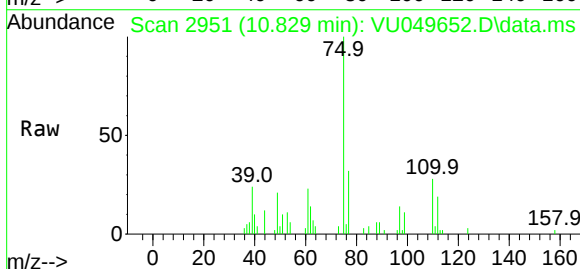
RT: 10.829 min Scan# 2951

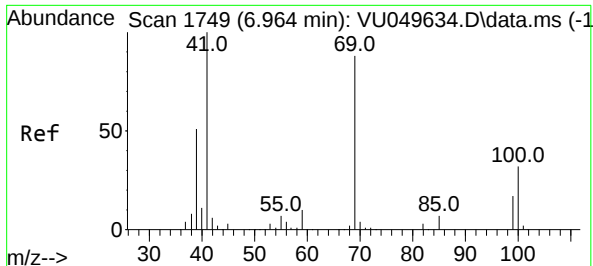
Delta R.T. -0.006 min

Lab File: VU049652.D

Acq: 07 Jul 2022 14:30

|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 6846  |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 53 63.8     | 64.4 96.6#  |
| 89 36.6     | 44.2 66.2#  |
| 88 28.9     | 32.8 49.2#  |





#47

Methyl methacrylate

Concen: 2.023 ug/l

RT: 6.970 min Scan# 1751

Delta R.T. 0.007 min

Lab File: VU049652.D

Acq: 07 Jul 2022 14:30

Instrument :

MSVOA\_U

ClientSampleId :

LOQ-WATER-02-QT2-2022

Tgt Ion: 69 Resp: 1157

Ion Ratio Lower Upper

69 100

41 112.6 0.0 225.4

39 55.6 45.8 68.8

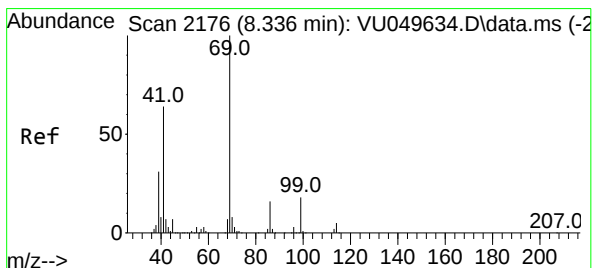
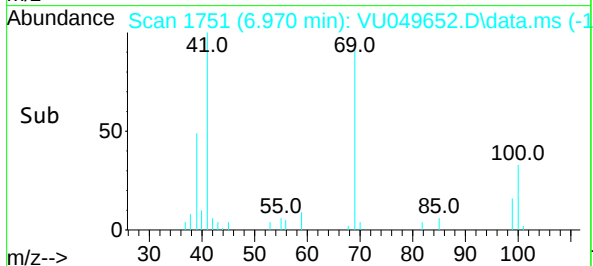
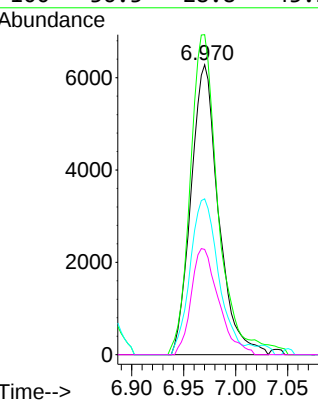
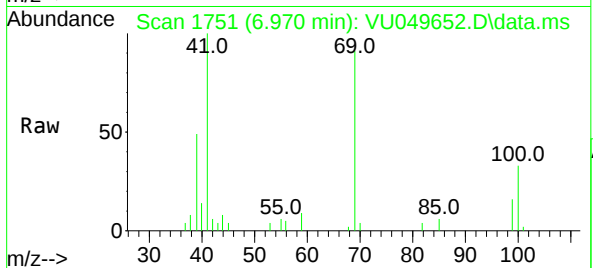
100 36.3 28.8 43.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022

Supervised By :Semsettin Yesilyurt 07/08/2022



#48

Ethyl methacrylate

Concen: 0.963 ug/l

RT: 8.337 min Scan# 2176

Delta R.T. 0.000 min

Lab File: VU049652.D

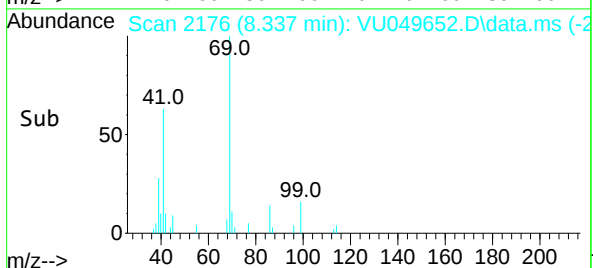
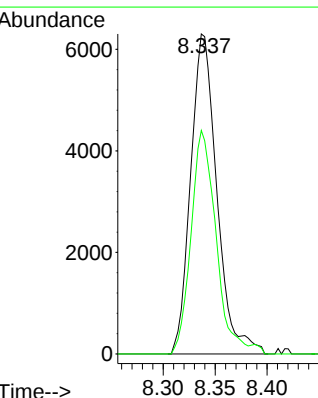
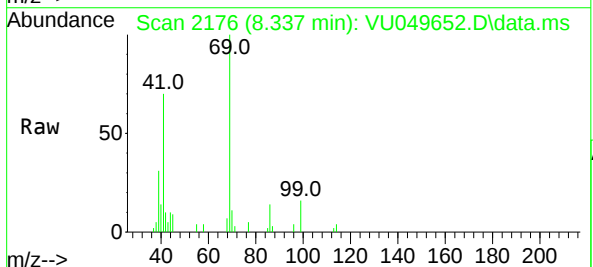
Acq: 07 Jul 2022 14:30

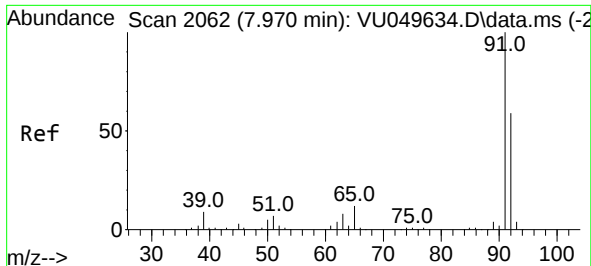
Tgt Ion: 69 Resp: 11055

Ion Ratio Lower Upper

69 100

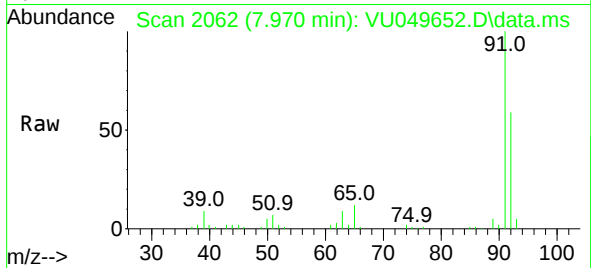
41 66.1 32.3 96.9





#49  
Toluene  
Concen: 0.974 ug/l  
RT: 7.970 min Scan# 2062  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

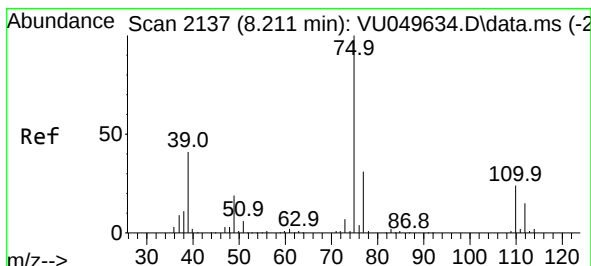
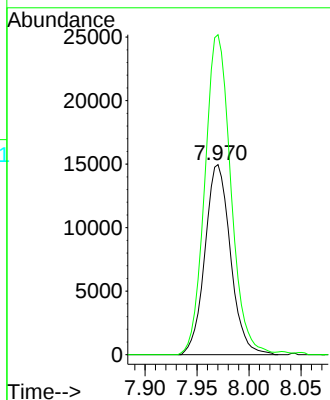
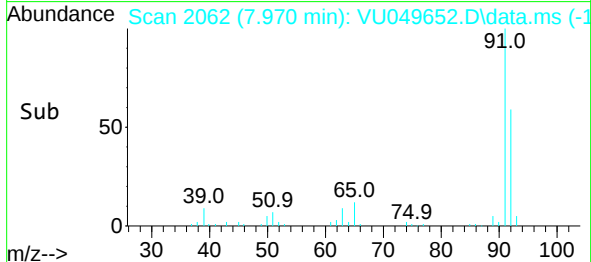
Instrument : MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT2-2022



Tgt Ion: 92 Resp: 2558  
Ion Ratio Lower Upper  
92 100  
91 171.8 138.6 207.8

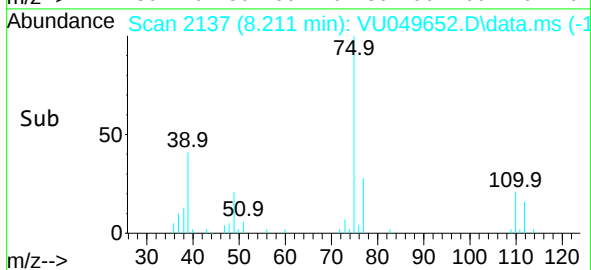
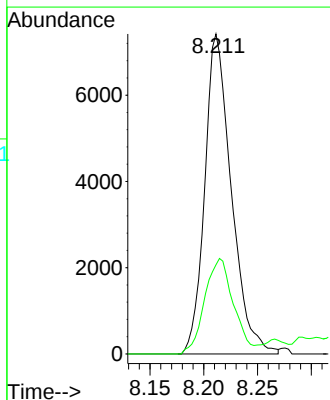
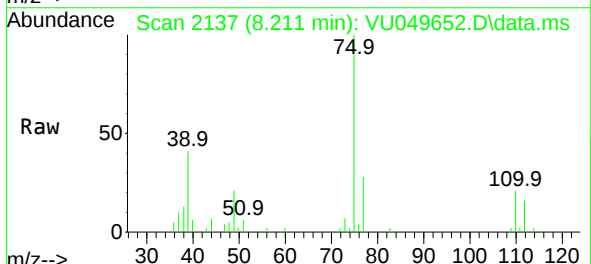
Manual Integrations  
APPROVED

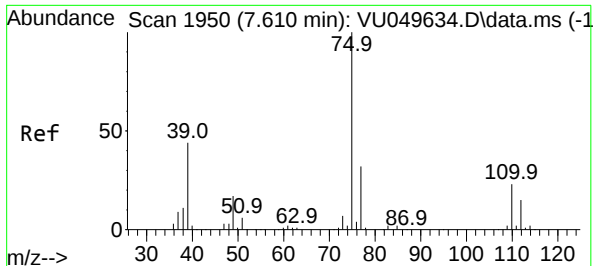
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022



#50  
t-1,3-Dichloropropene  
Concen: 0.970 ug/l  
RT: 8.211 min Scan# 2137  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

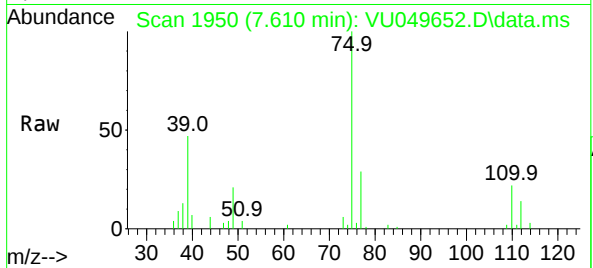
Tgt Ion: 75 Resp: 12750  
Ion Ratio Lower Upper  
75 100  
77 27.9 24.7 37.1





#51  
 cis-1,3-Dichloropropene  
 Concen: 0.988 ug/l  
 RT: 7.610 min Scan# 1950  
 Delta R.T. 0.000 min  
 Lab File: VU049652.D  
 Acq: 07 Jul 2022 14:30

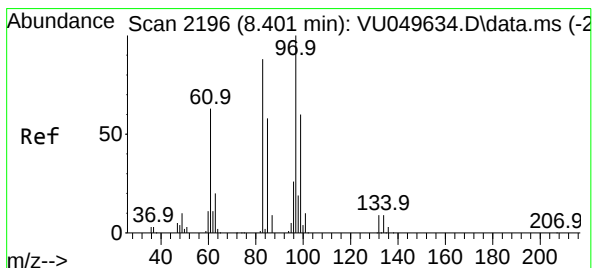
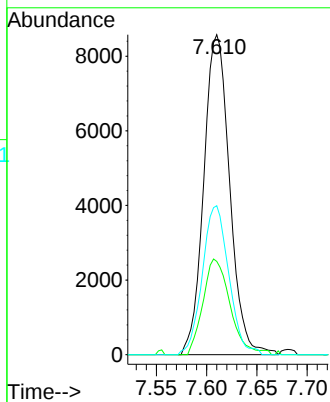
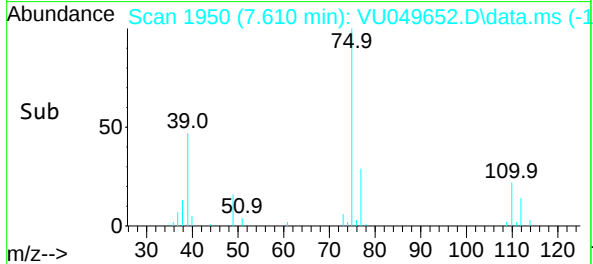
Instrument : MSVOA\_U  
 ClientSampleId :  
 LOQ-WATER-02-QT2-2022



Tgt Ion: 75 Resp: 15389  
 Ion Ratio Lower Upper  
 75 100  
 77 29.2 25.4 38.0  
 39 46.5 35.1 52.7

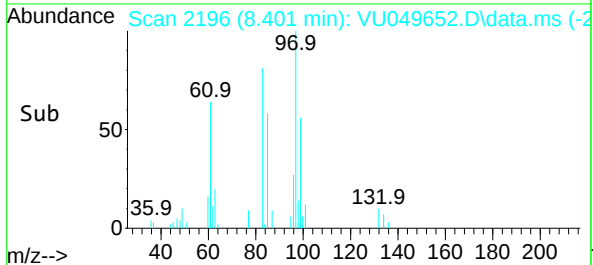
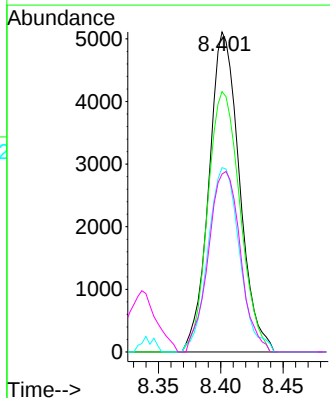
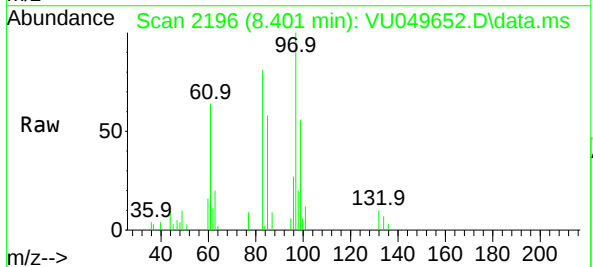
Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022  
 Supervised By :Semsettin Yesilyurt 07/08/2022



#52  
 1,1,2-Trichloroethane  
 Concen: 1.110 ug/l  
 RT: 8.401 min Scan# 2196  
 Delta R.T. 0.000 min  
 Lab File: VU049652.D  
 Acq: 07 Jul 2022 14:30

Tgt Ion: 97 Resp: 8694  
 Ion Ratio Lower Upper  
 97 100  
 83 81.3 70.6 106.0  
 85 57.6 46.2 69.4  
 99 55.6 50.0 75.0





#53

1,3-Dichloropropane

Concen: 1.086 ug/l

RT: 8.578 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU049652.D

Acq: 07 Jul 2022 14:30

Instrument :

MSVOA\_U

ClientSampleId :

LOQ-WATER-02-QT2-2022

Tgt Ion: 76 Resp: 15269

Ion Ratio Lower Upper

76 100

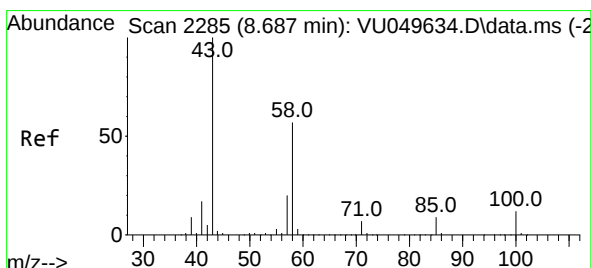
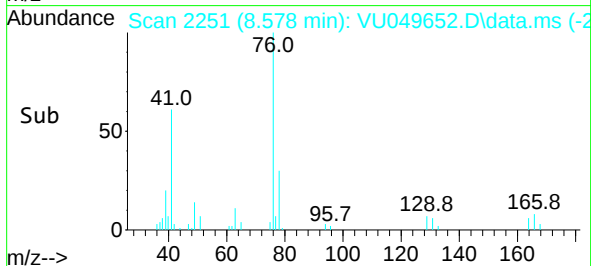
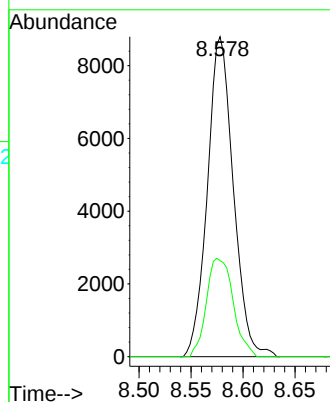
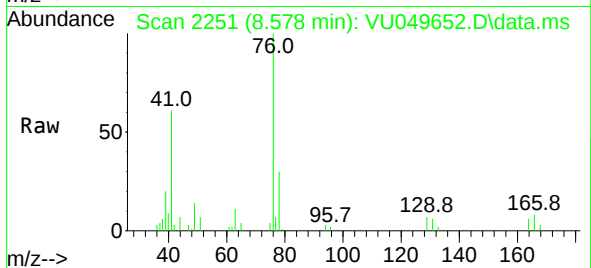
78 31.6 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022

Supervised By :Semsettin Yesilyurt 07/08/2022



#54

2-Hexanone

Concen: 5.053 ug/l

RT: 8.690 min Scan# 2286

Delta R.T. 0.003 min

Lab File: VU049652.D

Acq: 07 Jul 2022 14:30

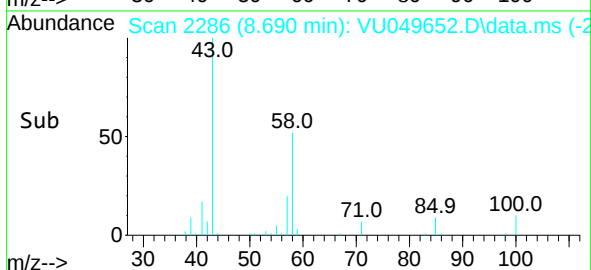
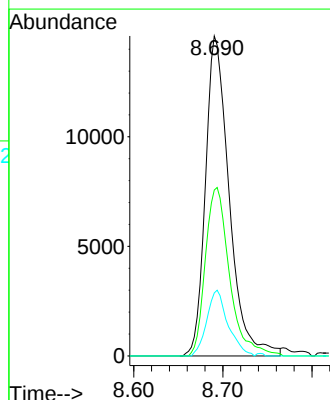
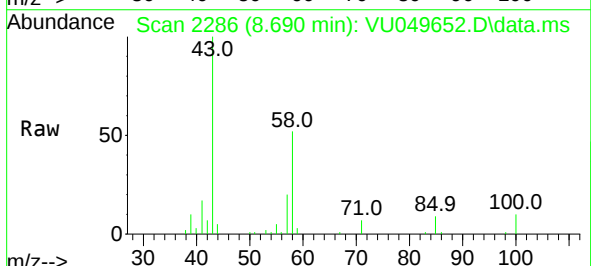
Tgt Ion: 43 Resp: 27035

Ion Ratio Lower Upper

43 100

58 53.6 37.1 77.1

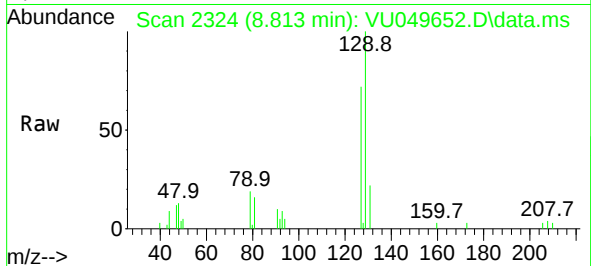
57 18.3 0.0 39.5





#55  
Dibromochloromethane  
Concen: 1.072 ug/l  
RT: 8.813 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

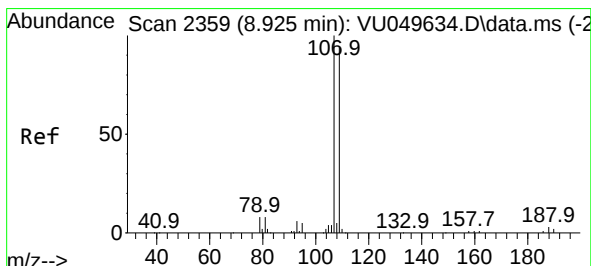
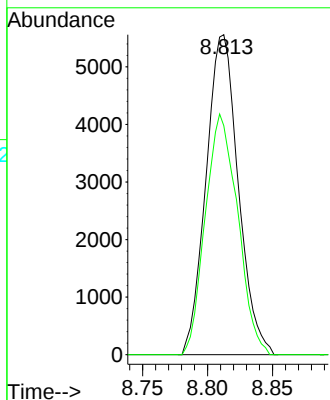
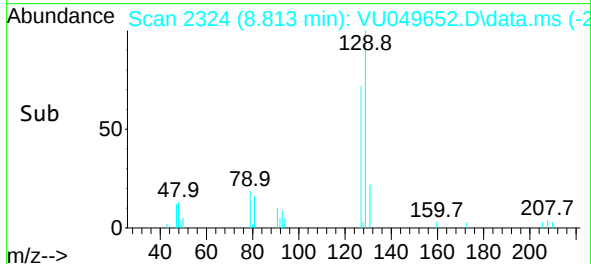
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT2-2022



Tgt Ion:129 Resp: 959  
Ion Ratio Lower Upper  
129 100  
127 75.4 61.2 91.8

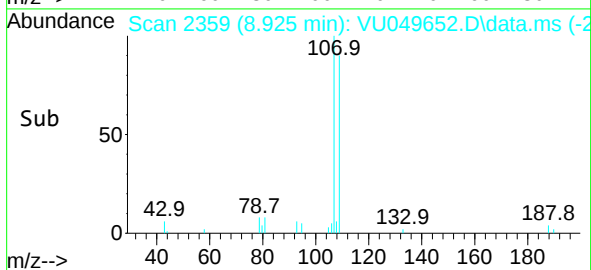
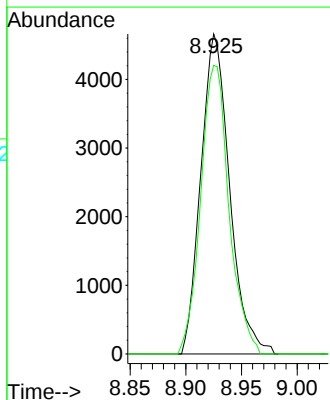
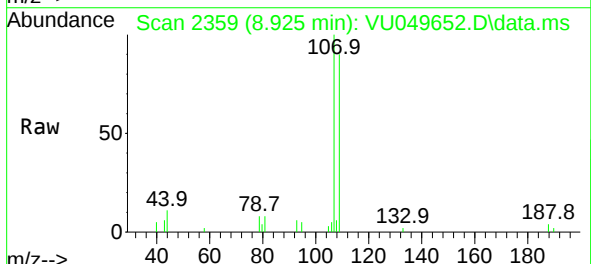
Manual Integrations  
APPROVED

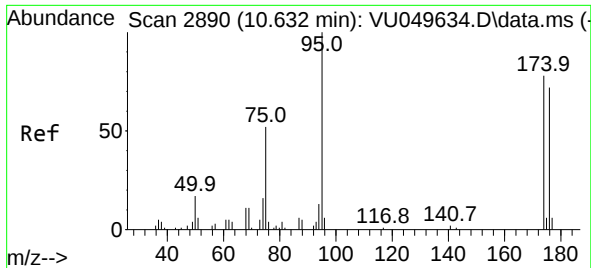
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022



#56  
1,2-Dibromoethane  
Concen: 1.106 ug/l  
RT: 8.925 min Scan# 2359  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

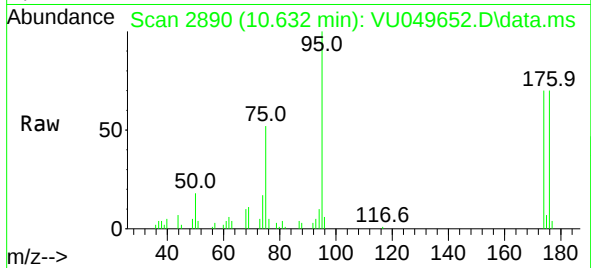
Tgt Ion:107 Resp: 8389  
Ion Ratio Lower Upper  
107 100  
109 88.7 0.0 187.2





#57  
4-Bromofluorobenzene  
Concen: 0.952 ug/l  
RT: 10.632 min Scan# 2890  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

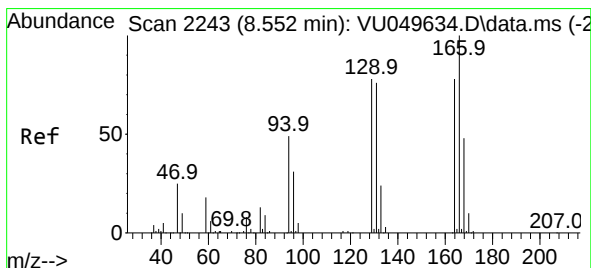
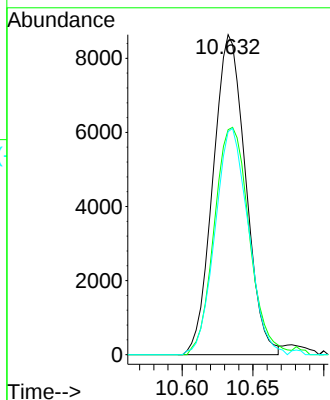
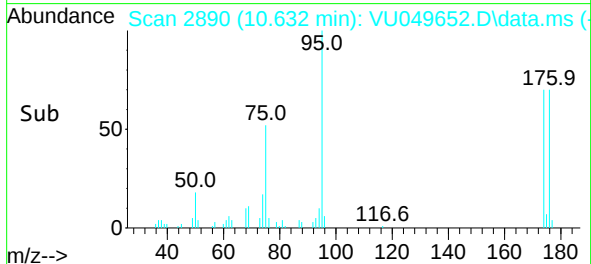
Instrument : MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT2-2022



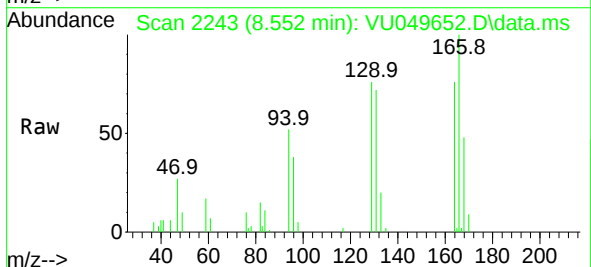
Tgt Ion: 95 Resp: 13794  
Ion Ratio Lower Upper  
95 100  
174 76.4 62.4 93.6  
176 72.5 56.2 84.2

Manual Integrations  
APPROVED

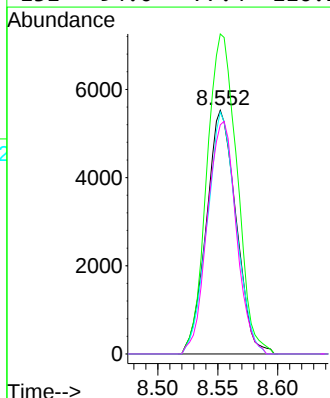
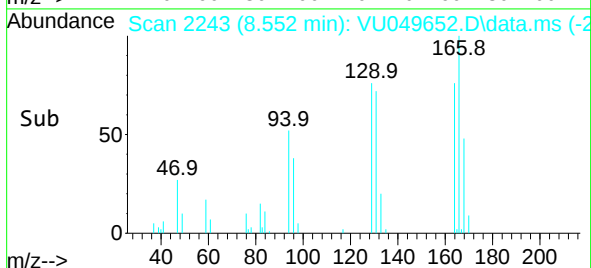
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022

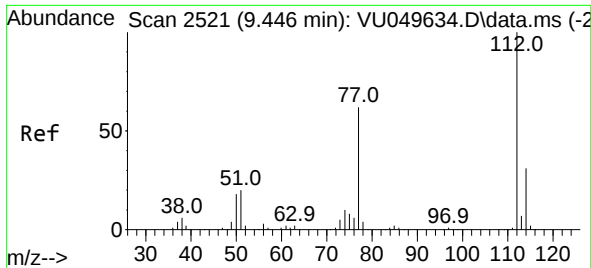


#58  
Tetrachloroethene  
Concen: 1.051 ug/l  
RT: 8.552 min Scan# 2243  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30



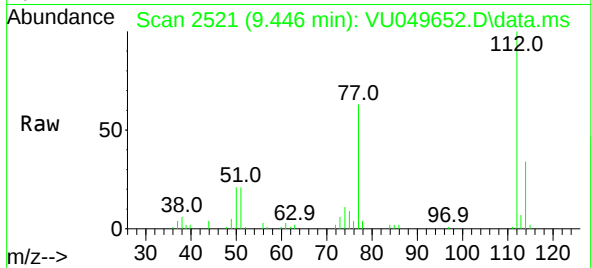
Tgt Ion:164 Resp: 9500  
Ion Ratio Lower Upper  
164 100  
166 131.3 102.4 153.6  
129 99.3 79.5 119.3  
131 94.0 77.4 116.2





#59  
Chlorobenzene  
Concen: 0.983 ug/l  
RT: 9.446 min Scan# 2521  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

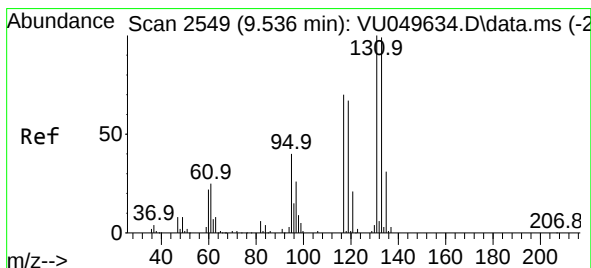
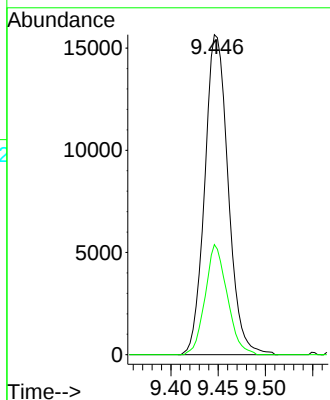
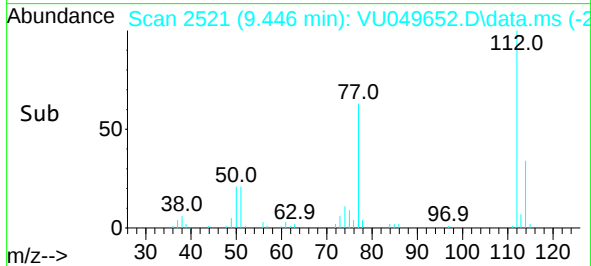
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT2-2022



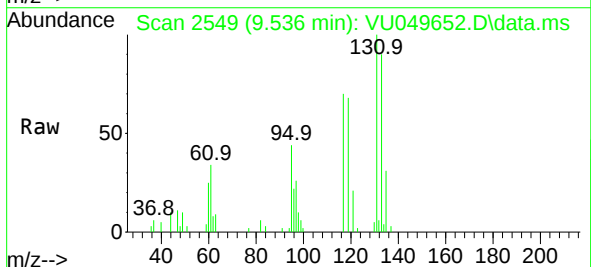
Tgt Ion:112 Resp: 2702  
Ion Ratio Lower Upper  
112 100  
114 34.4 24.9 37.3

Manual Integrations  
APPROVED

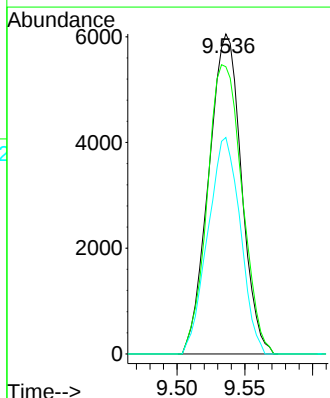
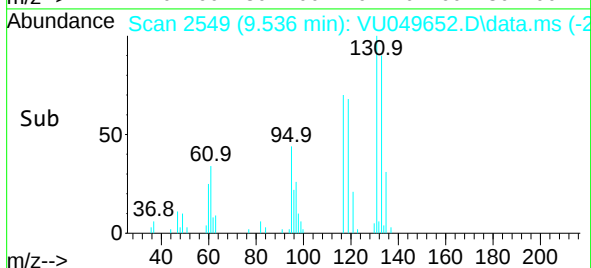
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022

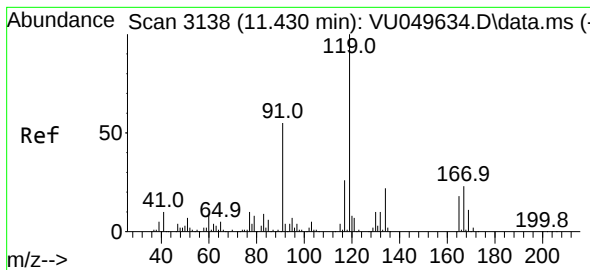


#60  
1,1,1,2-Tetrachloroethane  
Concen: 1.039 ug/l  
RT: 9.536 min Scan# 2549  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30



Tgt Ion:131 Resp: 10158  
Ion Ratio Lower Upper  
131 100  
133 95.8 78.3 117.5  
119 67.1 53.2 79.8





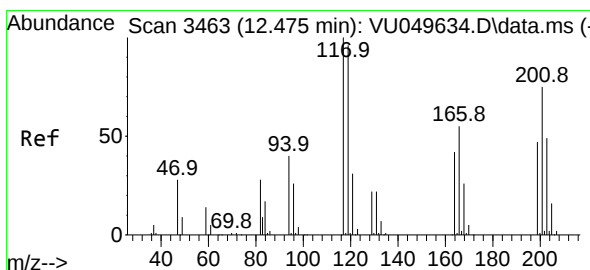
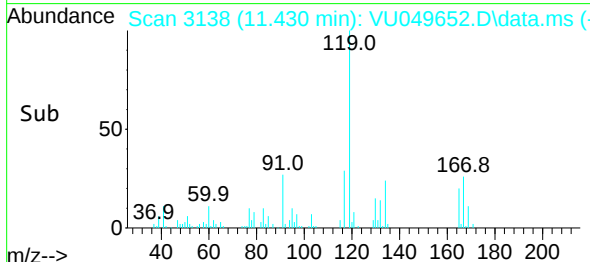
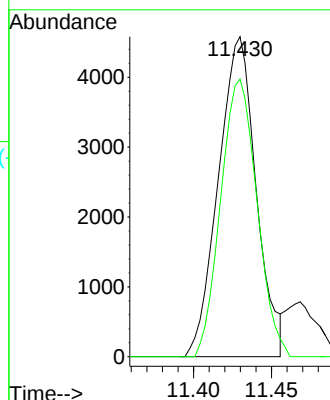
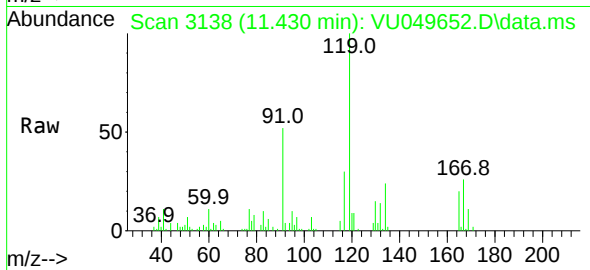
#61  
 Pentachloroethane  
 Concen: 1.028 ug/l  
 RT: 11.430 min Scan# 3138  
 Delta R.T. 0.000 min  
 Lab File: VU049652.D  
 Acq: 07 Jul 2022 14:30

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOQ-WATER-02-QT2-2022

Tgt Ion:117 Resp: 771  
 Ion Ratio Lower Upper  
 117 100  
 167 83.1 66.2 99.4

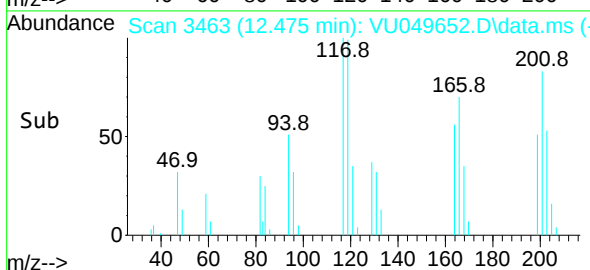
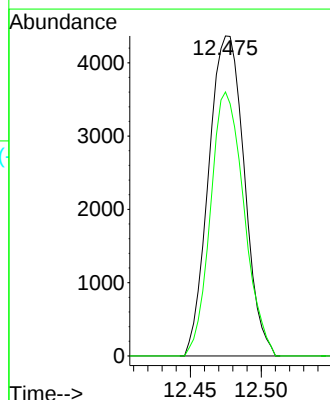
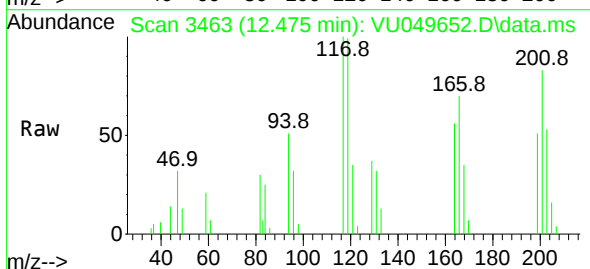
Manual Integrations  
 APPROVED

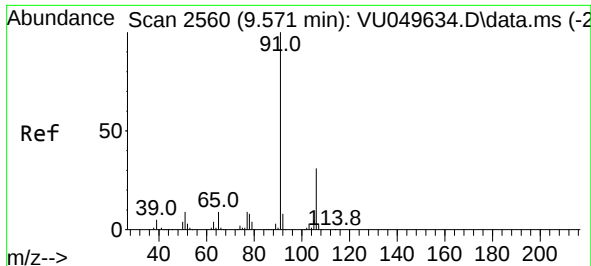
Reviewed By :Mahesh Dadoda 07/08/2022  
 Supervised By :Semsettin Yesilyurt 07/08/2022



#62  
 Hexachloroethane  
 Concen: 1.016 ug/l  
 RT: 12.475 min Scan# 3463  
 Delta R.T. 0.000 min  
 Lab File: VU049652.D  
 Acq: 07 Jul 2022 14:30

Tgt Ion:117 Resp: 7639  
 Ion Ratio Lower Upper  
 117 100  
 201 77.8 61.0 91.4





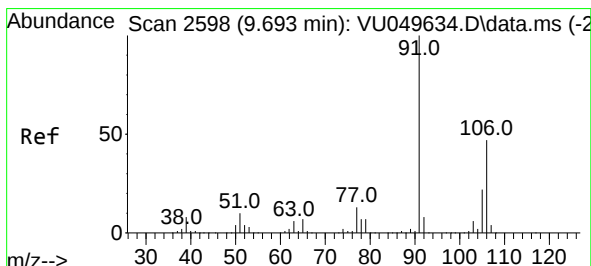
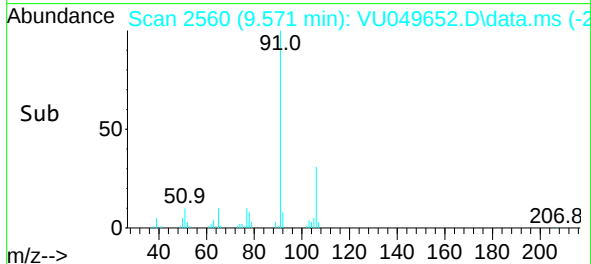
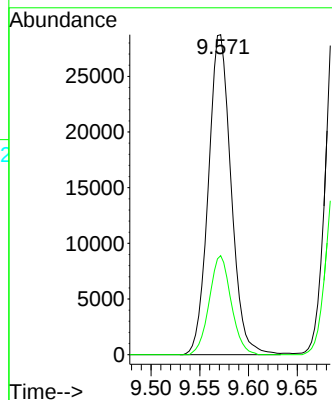
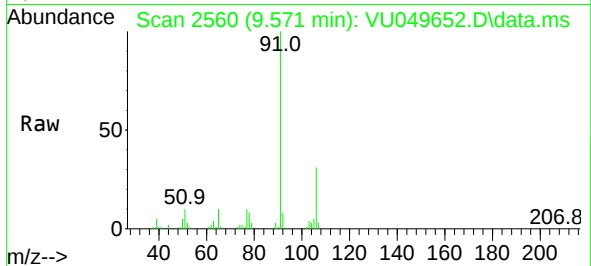
#63  
Ethyl Benzene  
Concen: 0.943 ug/l  
RT: 9.571 min Scan# 2560  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

Instrument : MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT2-2022

Tgt Ion: 91 Resp: 46640  
Ion Ratio Lower Upper  
91 100  
106 30.9 24.4 36.6

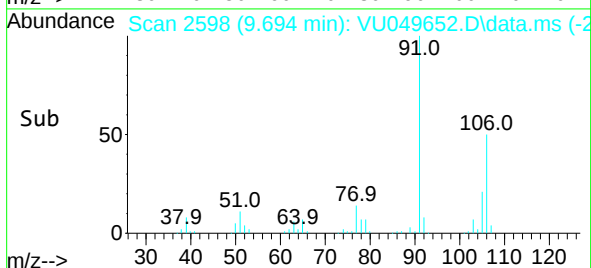
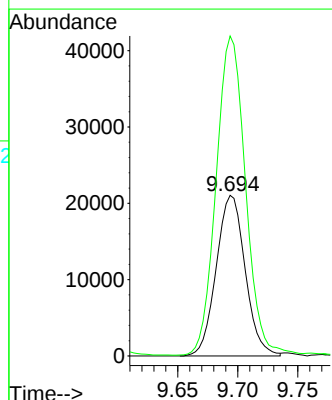
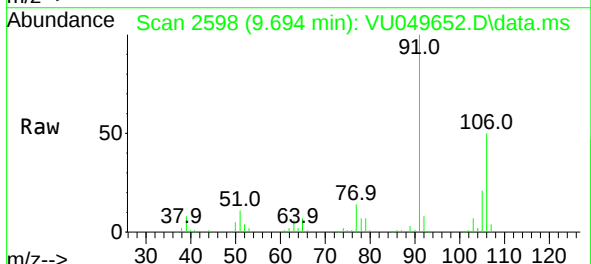
Manual Integrations  
APPROVED

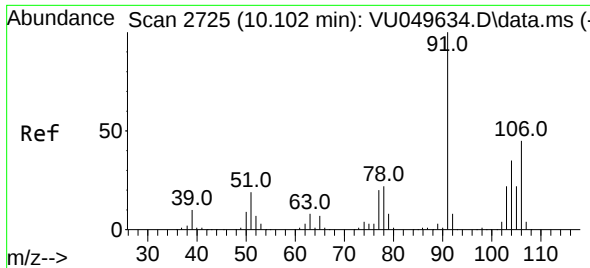
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022



#64  
m/p-Xylenes  
Concen: 1.929 ug/l  
RT: 9.694 min Scan# 2598  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

Tgt Ion:106 Resp: 35300  
Ion Ratio Lower Upper  
106 100  
91 201.4 167.8 251.6





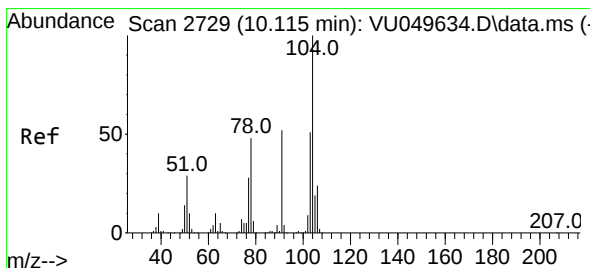
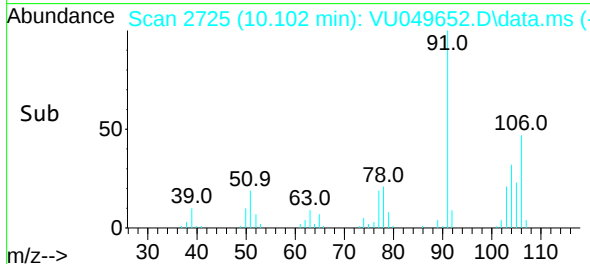
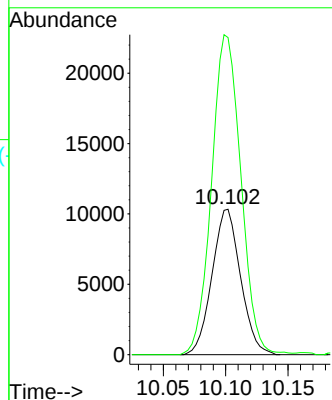
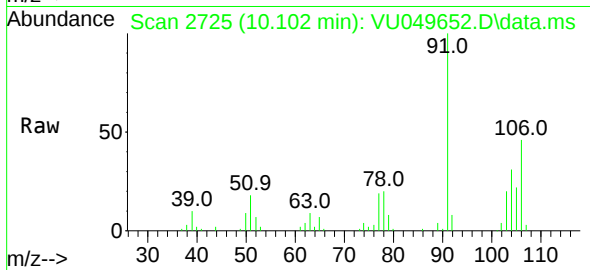
#65  
o-Xylene  
Concen: 0.915 ug/l  
RT: 10.102 min Scan# 2725  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

Instrument : MSVOA\_U  
ClientSampleId : LOQ-WATER-02-QT2-2022

Tgt Ion:106 Resp: 1646  
Ion Ratio Lower Upper  
106 100  
91 226.2 111.1 333.2

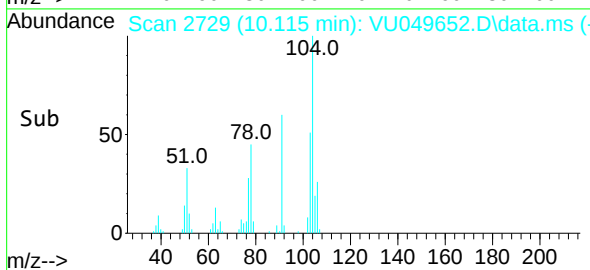
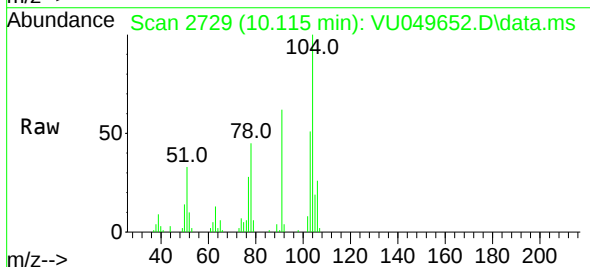
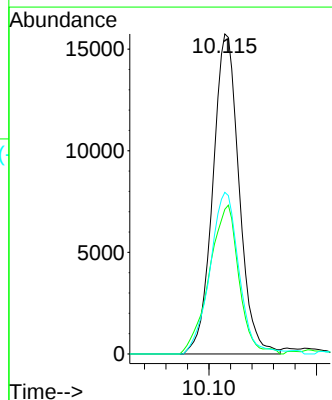
Manual Integrations  
APPROVED

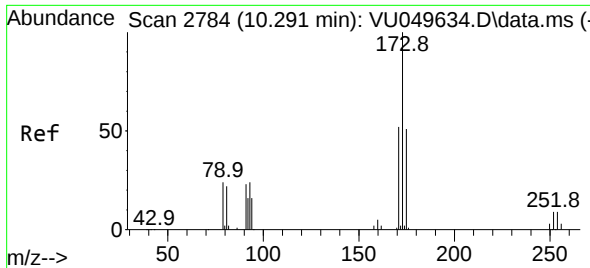
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022



#66  
Styrene  
Concen: 0.924 ug/l  
RT: 10.115 min Scan# 2729  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

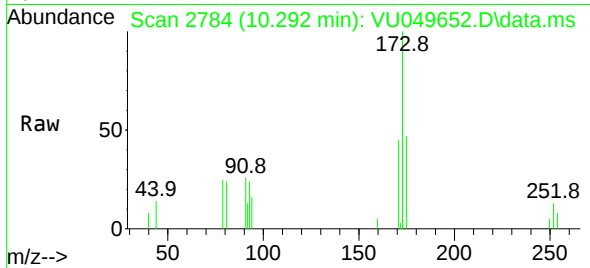
Tgt Ion:104 Resp: 26707  
Ion Ratio Lower Upper  
104 100  
78 52.4 42.1 63.1  
103 55.7 44.5 66.7





#67  
Bromoform  
Concen: 1.070 ug/l  
RT: 10.292 min Scan# 2155  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

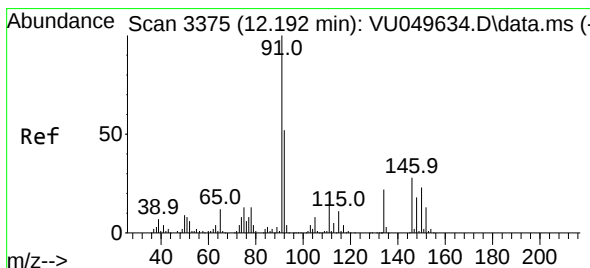
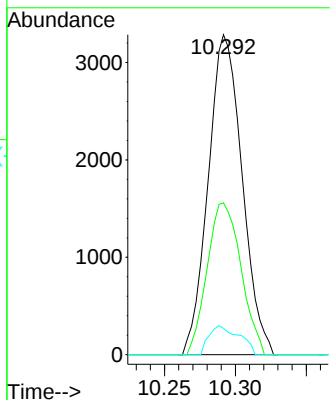
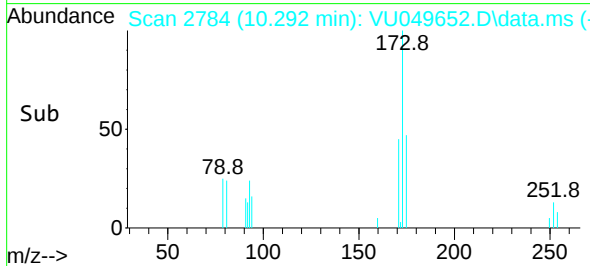
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT2-2022



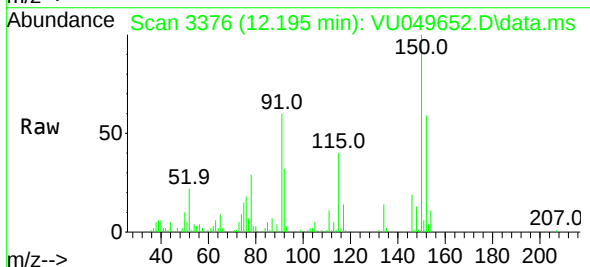
Tgt Ion:173 Resp: 546  
Ion Ratio Lower Upper  
173 100  
175 47.2 38.4 57.6  
254 8.1 7.7 11.5

Manual Integrations  
APPROVED

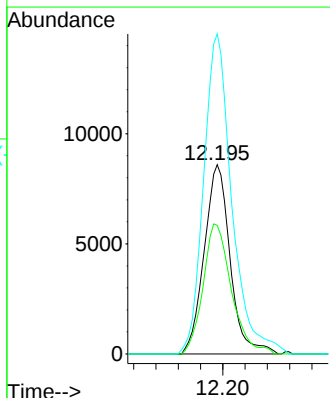
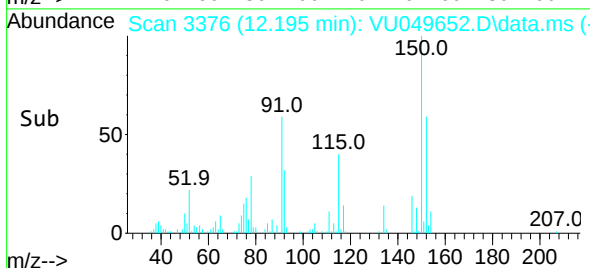
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022

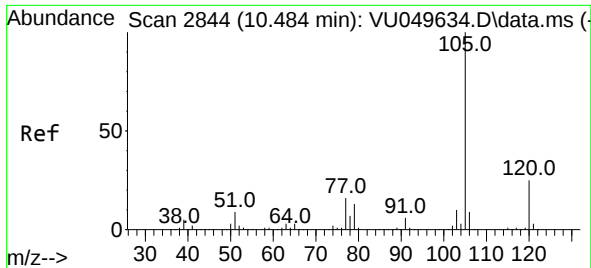


#68  
1,2-Dichlorobenzene-d4  
Concen: 1.043 ug/l  
RT: 12.195 min Scan# 3376  
Delta R.T. 0.003 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30



Tgt Ion:152 Resp: 13922  
Ion Ratio Lower Upper  
152 100  
115 74.6 0.0 254.6  
150 183.4 0.0 623.6





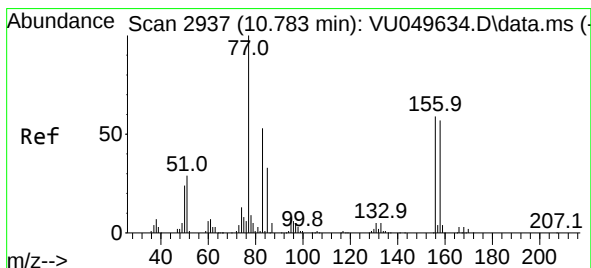
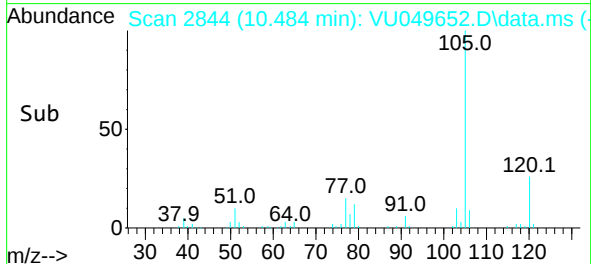
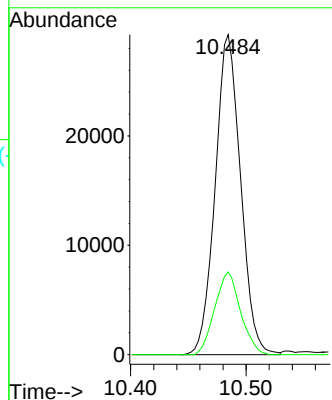
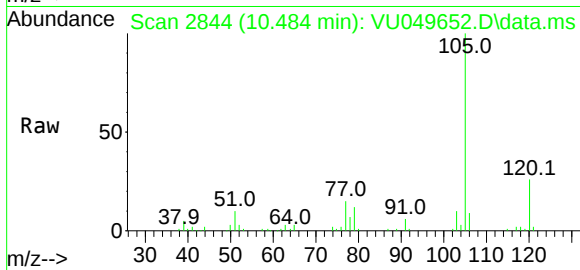
#69  
Isopropylbenzene  
Concen: 0.930 ug/l  
RT: 10.484 min Scan# 2844  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

Instrument : MSVOA\_U  
ClientSampleId : LOQ-WATER-02-QT2-2022

Tgt Ion:105 Resp: 44682  
Ion Ratio Lower Upper  
105 100  
120 26.2 12.6 37.8

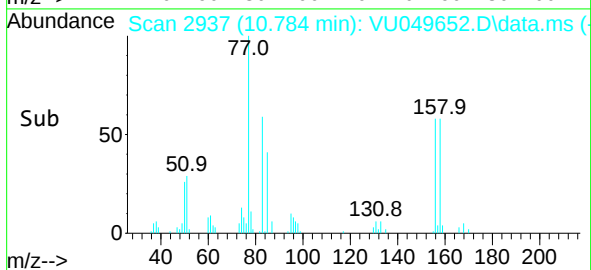
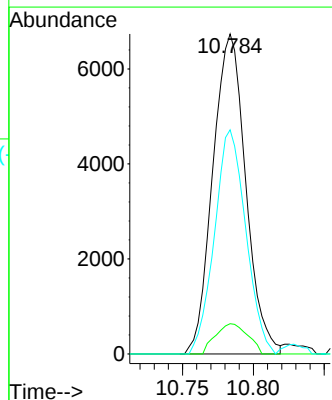
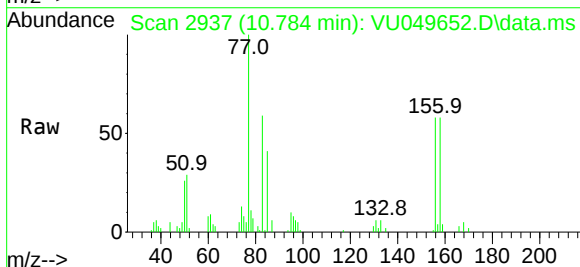
Manual Integrations  
APPROVED

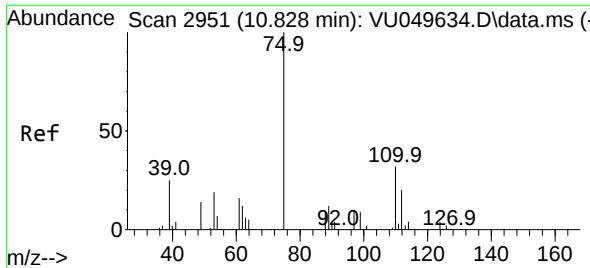
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022



#70  
1,1,2,2-Tetrachloroethane  
Concen: 1.069 ug/l  
RT: 10.784 min Scan# 2937  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

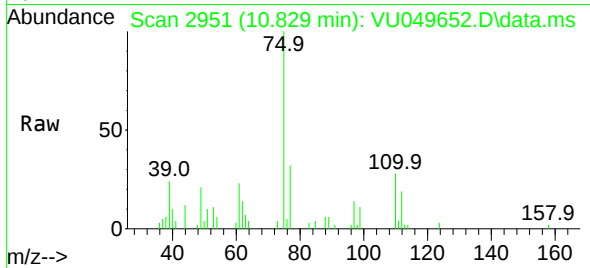
Tgt Ion: 83 Resp: 10882  
Ion Ratio Lower Upper  
83 100  
131 9.2 7.7 11.5  
85 66.5 51.2 76.8





#71  
1,2,3-Trichloropropane  
Concen: 0.902 ug/l m  
RT: 10.829 min Scan# 2951  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

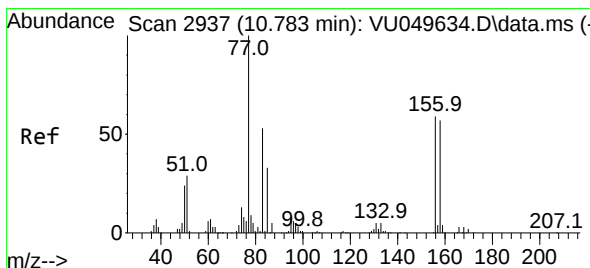
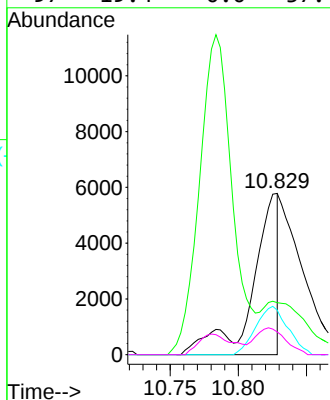
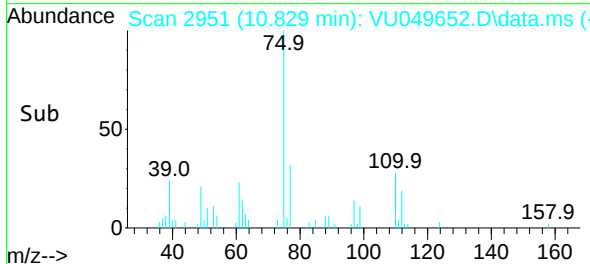
Instrument : MSVOA\_U  
ClientSampleId : LOQ-WATER-02-QT2-2022



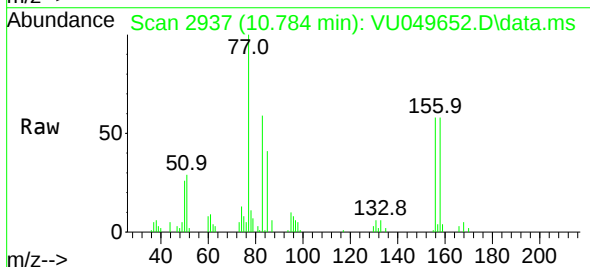
| Tgt Ion:  | 75    | Resp: | 759   |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 55.0  | 0.0   | 112.4 |
| 110       | 37.4  | 0.0   | 70.6  |
| 97        | 19.4  | 0.0   | 37.4  |

Manual Integrations  
APPROVED

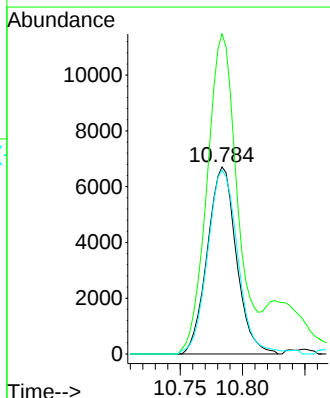
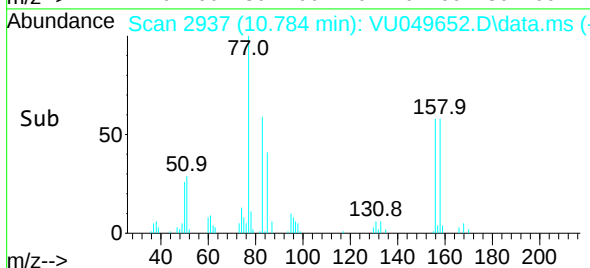
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022

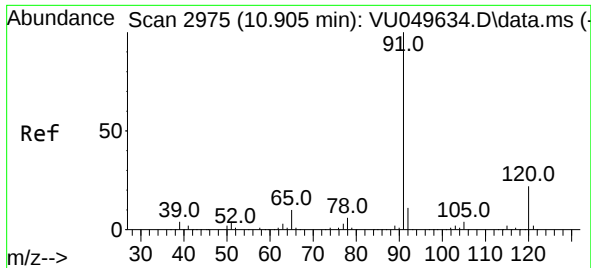


#72  
Bromobenzene  
Concen: 1.004 ug/l  
RT: 10.784 min Scan# 2937  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30



| Tgt Ion:  | 156   | Resp: | 10871 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 176.1 | 0.0   | 344.4 |
| 158       | 101.8 | 0.0   | 192.2 |





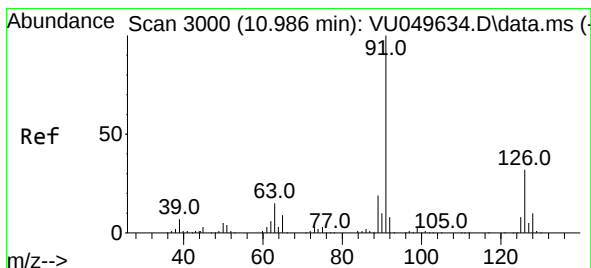
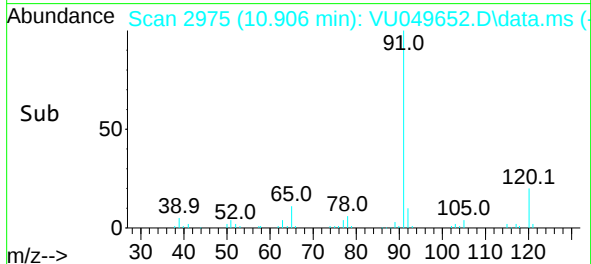
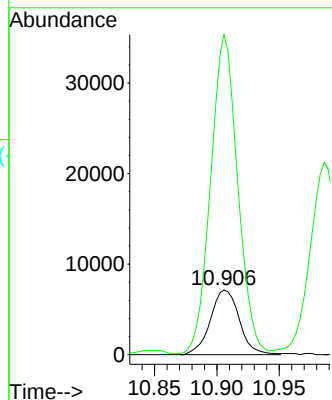
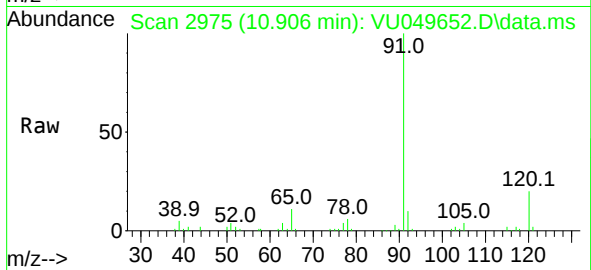
#73  
n-propylbenzene  
Concen: 0.954 ug/l  
RT: 10.906 min Scan# 2975  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

Instrument : MSVOA\_U  
ClientSampleId : LOQ-WATER-02-QT2-2022

Tgt Ion:120 Resp: 11572  
Ion Ratio Lower Upper  
120 100  
91 459.3 367.8 551.6

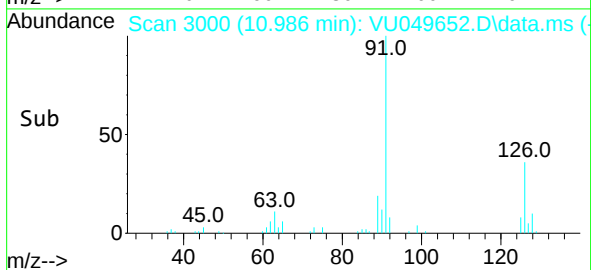
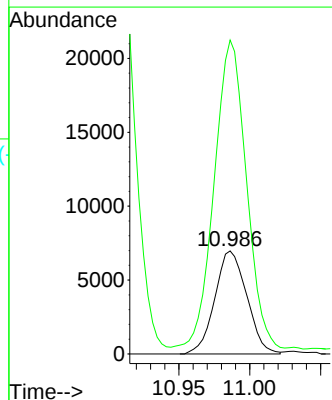
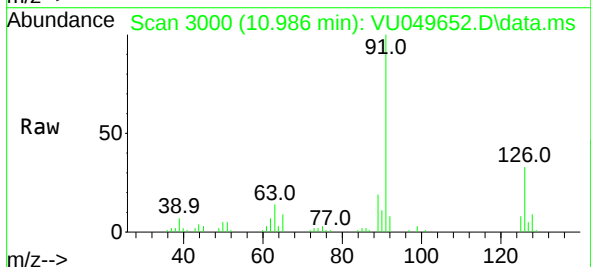
Manual Integrations  
APPROVED

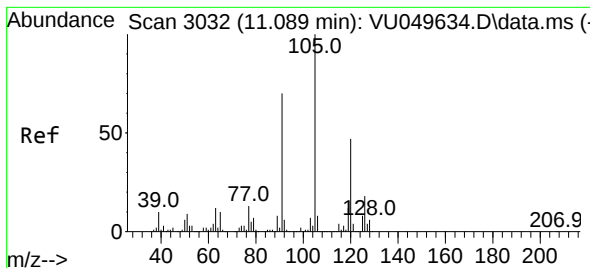
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022



#74  
2-Chlorotoluene  
Concen: 1.013 ug/l  
RT: 10.986 min Scan# 3000  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

Tgt Ion:126 Resp: 10947  
Ion Ratio Lower Upper  
126 100  
91 302.0 0.0 620.6





#75

1,3,5-Trimethylbenzene

Concen: 0.928 ug/l

RT: 11.089 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VU049652.D

Acq: 07 Jul 2022 14:30

Instrument :

MSVOA\_U

ClientSampleId :

LOQ-WATER-02-QT2-2022

Tgt Ion:105 Resp: 3725

Ion Ratio Lower Upper

105 100

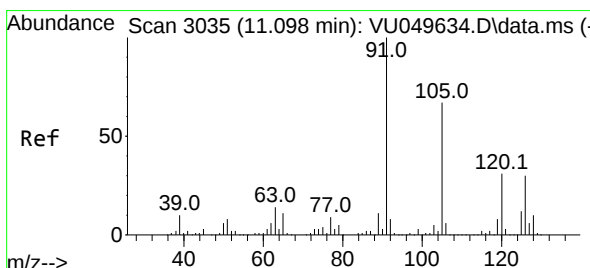
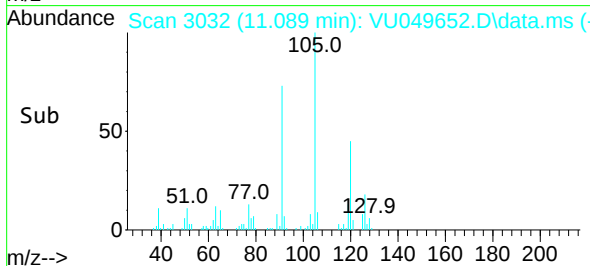
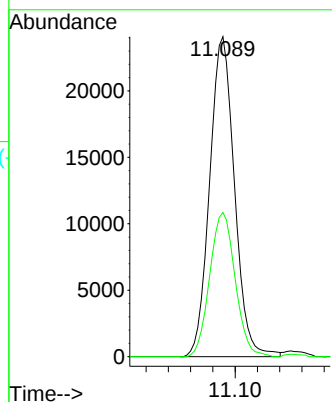
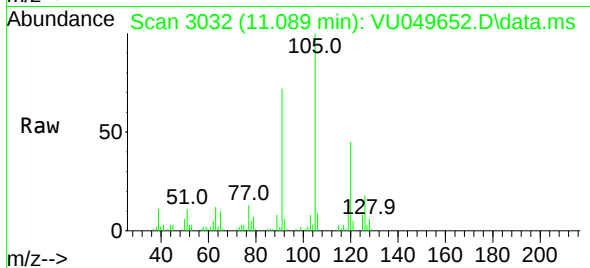
120 46.1 37.6 56.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022

Supervised By :Semsettin Yesilyurt 07/08/2022



#76

4-Chlorotoluene

Concen: 1.008 ug/l

RT: 11.099 min Scan# 3035

Delta R.T. 0.000 min

Lab File: VU049652.D

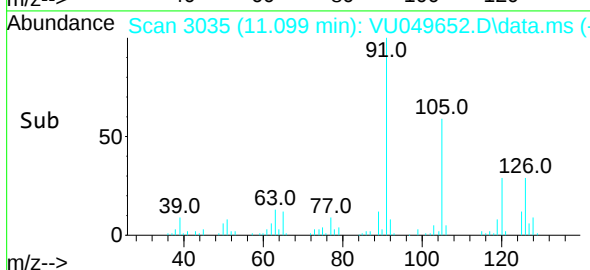
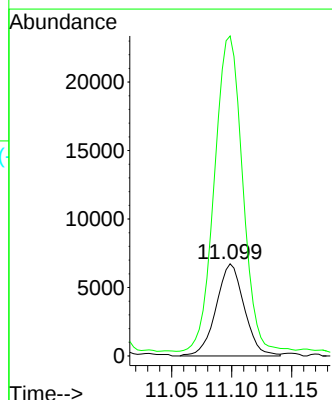
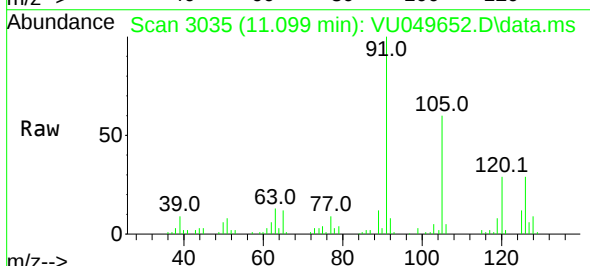
Acq: 07 Jul 2022 14:30

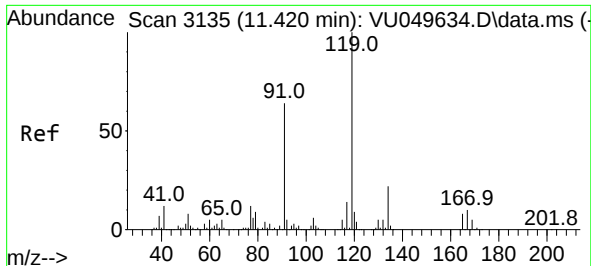
Tgt Ion:126 Resp: 10932

Ion Ratio Lower Upper

126 100

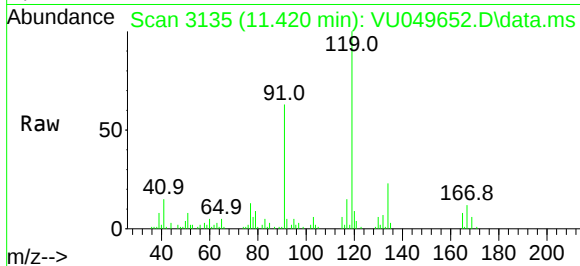
91 342.6 0.0 738.8





#77  
tert-Butylbenzene  
Concen: 0.965 ug/l  
RT: 11.420 min Scan# 3135  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

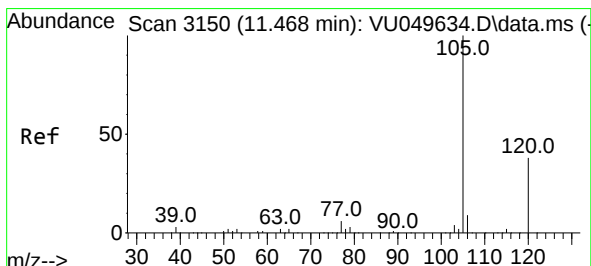
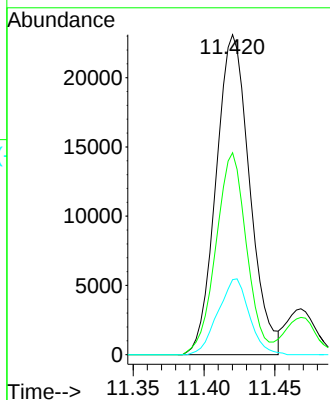
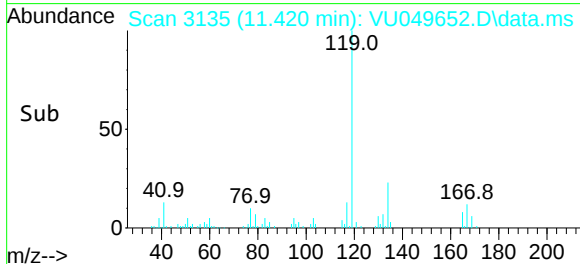
Instrument : MSVOA\_U  
ClientSampleId : LOQ-WATER-02-QT2-2022



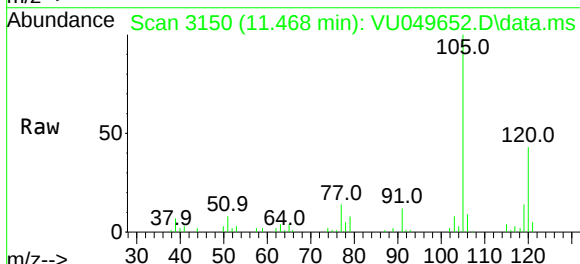
Tgt Ion:119 Resp: 38159  
Ion Ratio Lower Upper  
119 100  
91 57.8 30.4 91.3  
134 22.1 17.8 26.6

Manual Integrations  
APPROVED

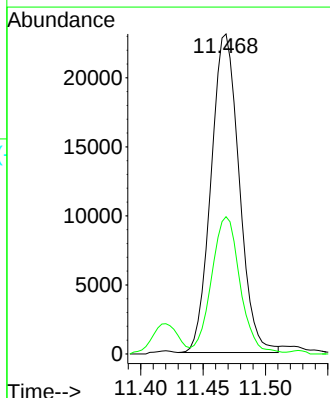
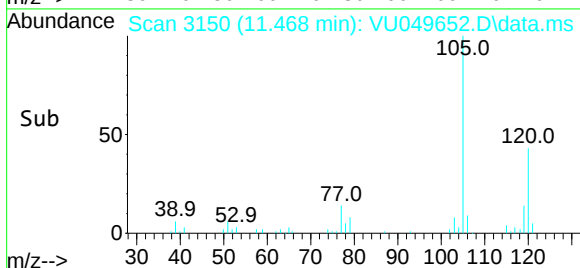
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022

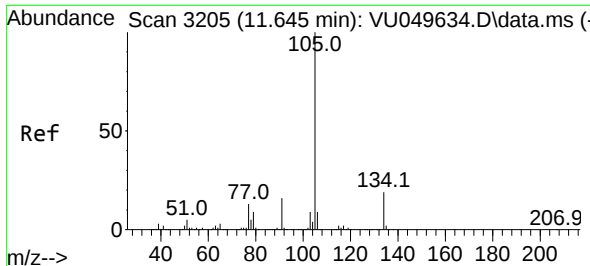


#78  
1,2,4-Trimethylbenzene  
Concen: 0.901 ug/l  
RT: 11.468 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30



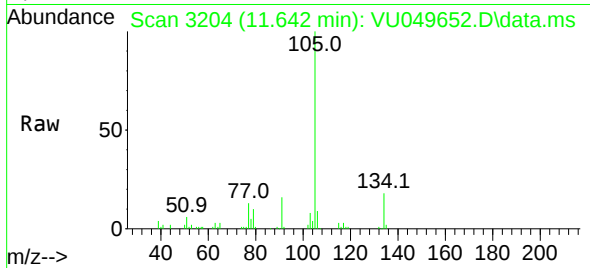
Tgt Ion:105 Resp: 36317  
Ion Ratio Lower Upper  
105 100  
120 42.7 21.6 65.0





#79  
 sec-Butylbenzene  
 Concen: 0.983 ug/l  
 RT: 11.642 min Scan# 31  
 Delta R.T. -0.003 min  
 Lab File: VU049652.D  
 Acq: 07 Jul 2022 14:30

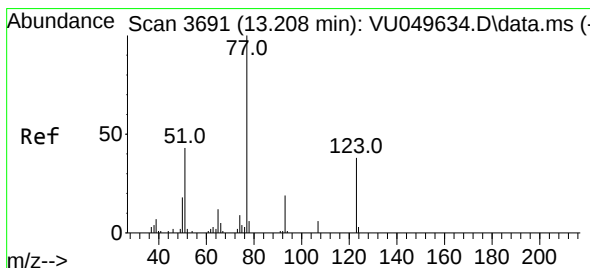
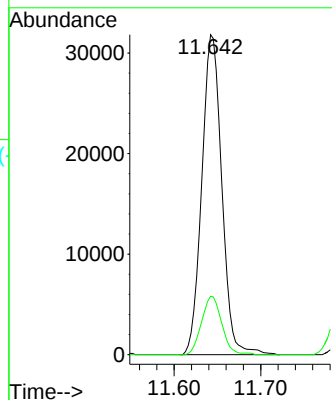
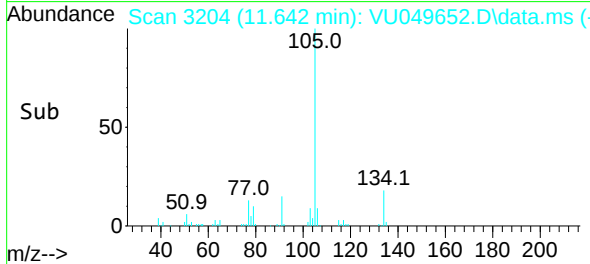
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOQ-WATER-02-QT2-2022



Tgt Ion:105 Resp: 50994  
 Ion Ratio Lower Upper  
 105 100  
 134 18.2 15.4 23.0

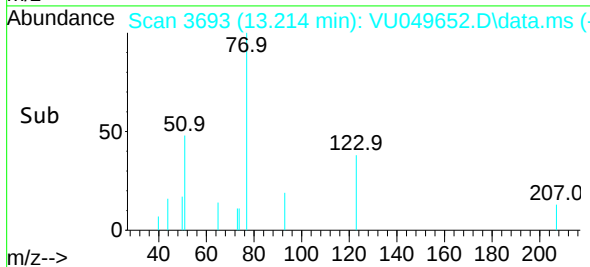
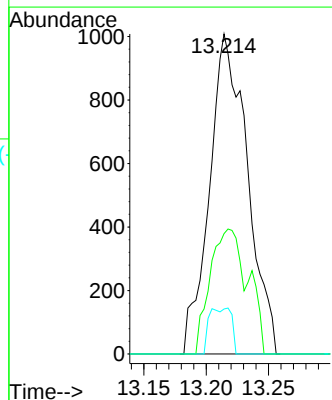
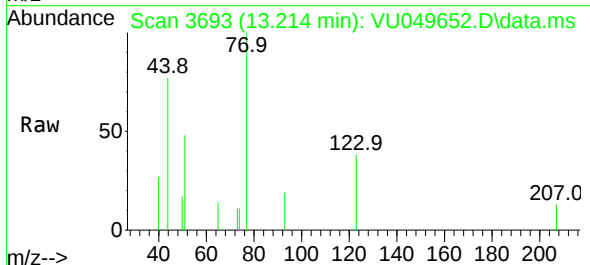
Manual Integrations  
 APPROVED

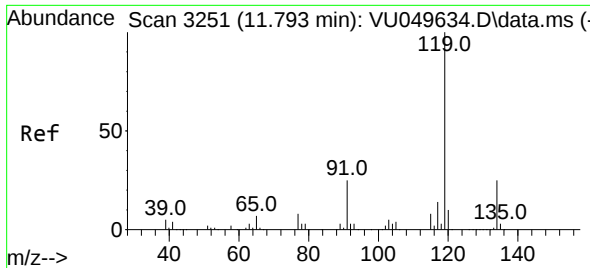
Reviewed By :Mahesh Dadoda 07/08/2022  
 Supervised By :Semsettin Yesilyurt 07/08/2022



#80  
 Nitrobenzene  
 Concen: 5.131 ug/l  
 RT: 13.214 min Scan# 3693  
 Delta R.T. 0.007 min  
 Lab File: VU049652.D  
 Acq: 07 Jul 2022 14:30

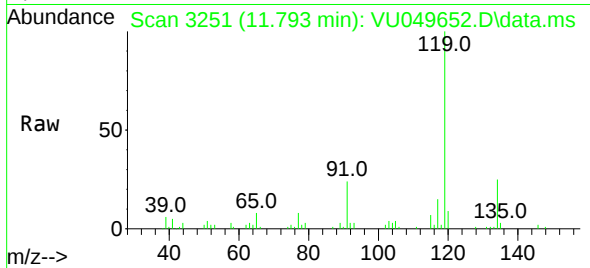
Tgt Ion: 77 Resp: 2136  
 Ion Ratio Lower Upper  
 77 100  
 123 38.8 18.1 64.3  
 65 4.8 10.8 13.8#





#81  
p-Isopropyltoluene  
Concen: 0.963 ug/l  
RT: 11.793 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

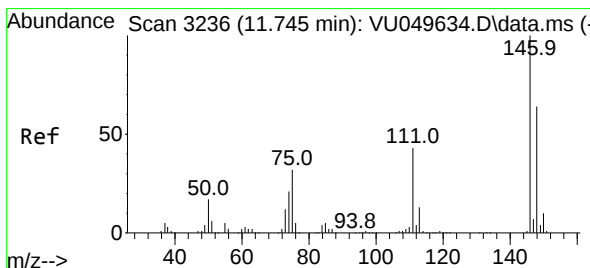
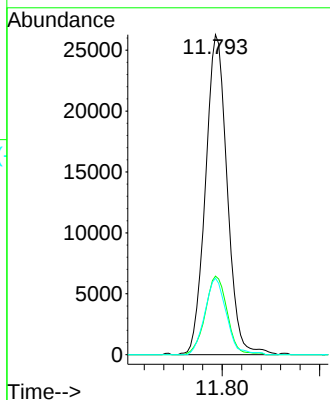
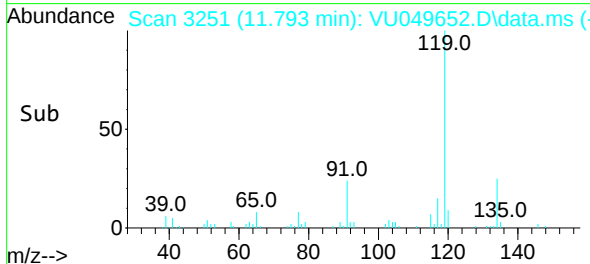
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT2-2022



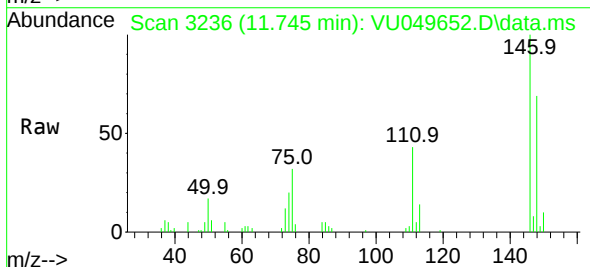
Tgt Ion:119 Resp: 4052  
Ion Ratio Lower Upper  
119 100  
134 24.9 20.5 30.7  
91 23.9 19.8 29.6

Manual Integrations  
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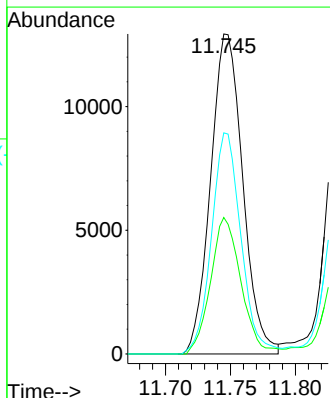
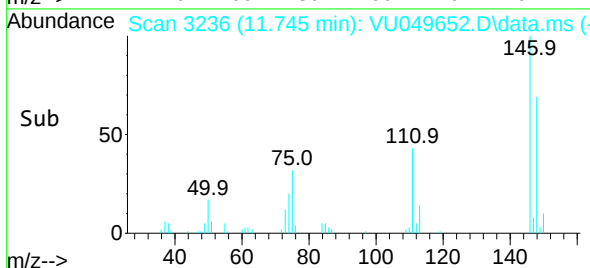
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022

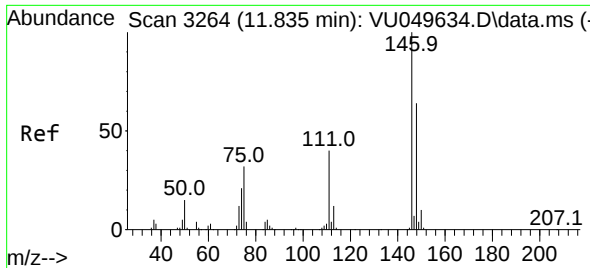


#82  
1,3-Dichlorobenzene  
Concen: 1.063 ug/l  
RT: 11.745 min Scan# 3236  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30



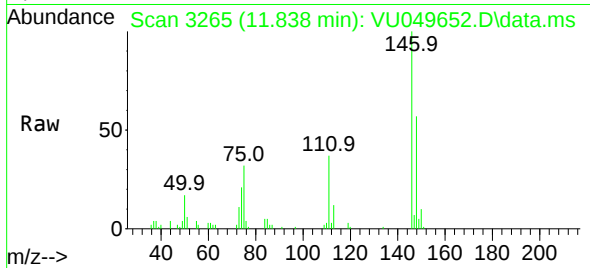
Tgt Ion:146 Resp: 22260  
Ion Ratio Lower Upper  
146 100  
111 40.4 33.4 50.2  
148 63.3 51.2 76.8





#83  
1,4-Dichlorobenzene  
Concen: 1.095 ug/l  
RT: 11.838 min Scan# 3265  
Delta R.T. 0.003 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

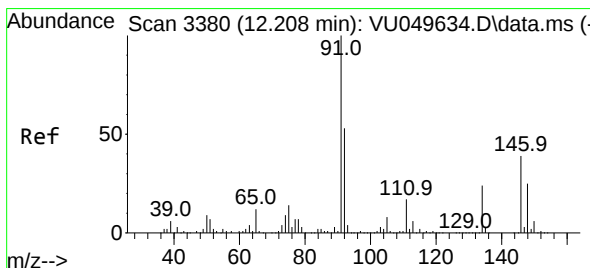
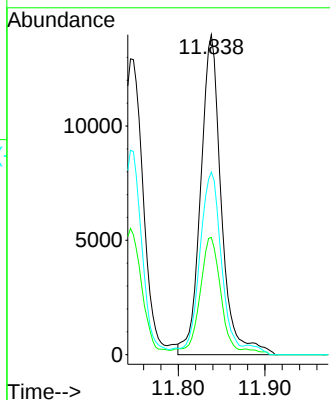
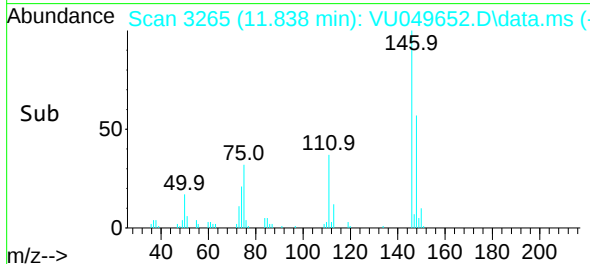
Instrument : MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT2-2022



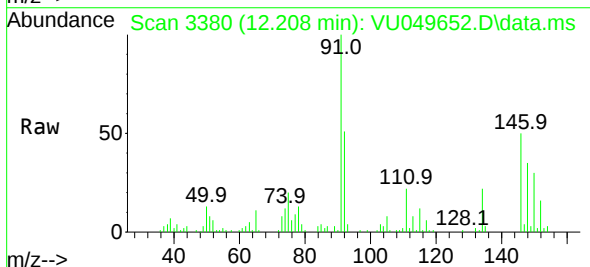
Tgt Ion:146 Resp: 2313  
Ion Ratio Lower Upper  
146 100  
111 34.2 32.6 49.0  
148 54.9 51.6 77.4

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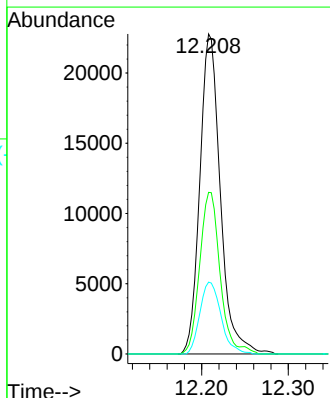
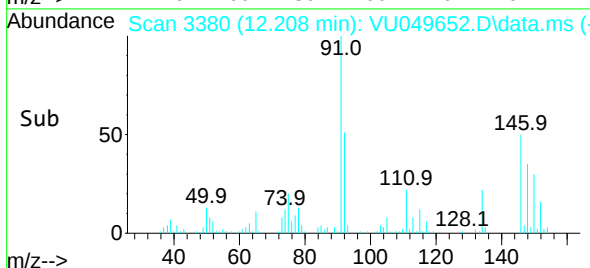
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022

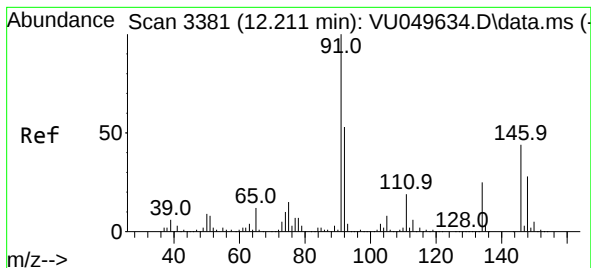


#84  
n-Butylbenzene  
Concen: 0.956 ug/l  
RT: 12.208 min Scan# 3380  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30



Tgt Ion: 91 Resp: 37467  
Ion Ratio Lower Upper  
91 100  
92 50.3 42.3 63.5  
134 23.1 19.6 29.4





#85

1,2-Dichlorobenzene

Concen: 1.067 ug/l

RT: 12.214 min Scan# 3381

Delta R.T. 0.003 min

Lab File: VU049652.D

Acq: 07 Jul 2022 14:30

Instrument :

MSVOA\_U

ClientSampleId :

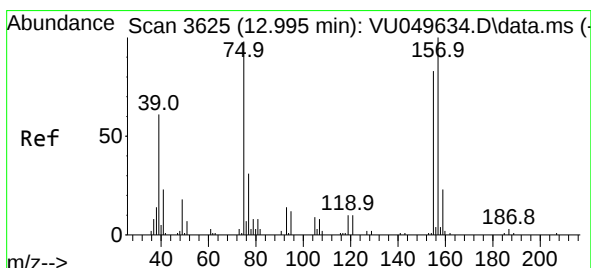
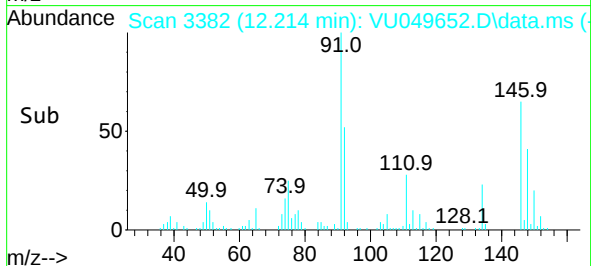
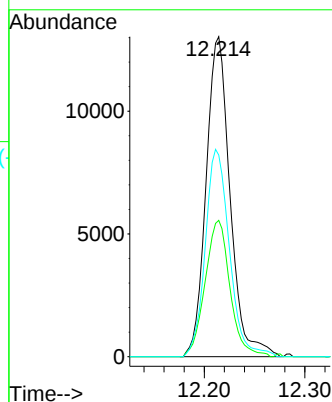
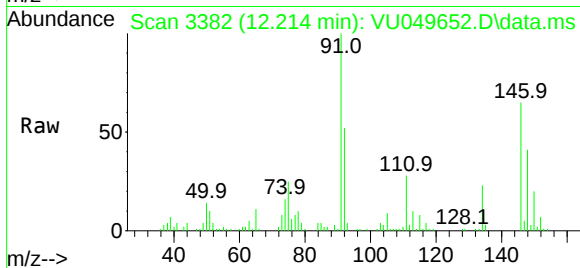
LOQ-WATER-02-QT2-2022

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 21639 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 44.2  | 22.1  | 66.1  |
| 148       | 65.3  | 32.1  | 96.3  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022



#86

1,2-Dibromo-3-Chloropropane

Concen: 1.189 ug/l

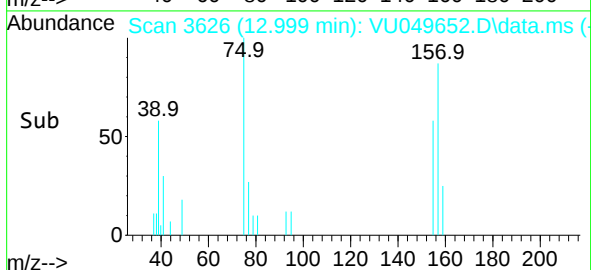
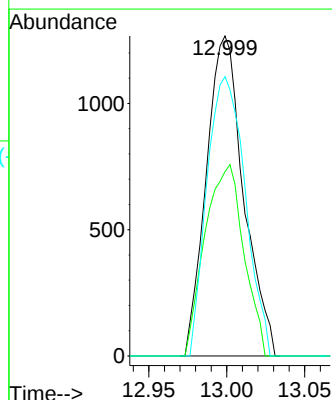
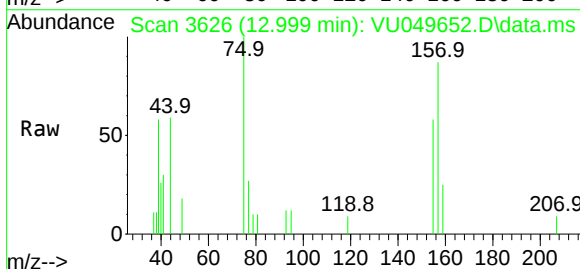
RT: 12.999 min Scan# 3626

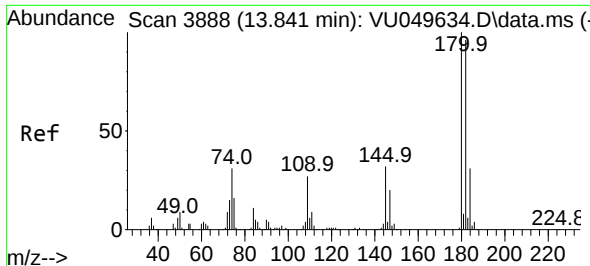
Delta R.T. 0.003 min

Lab File: VU049652.D

Acq: 07 Jul 2022 14:30

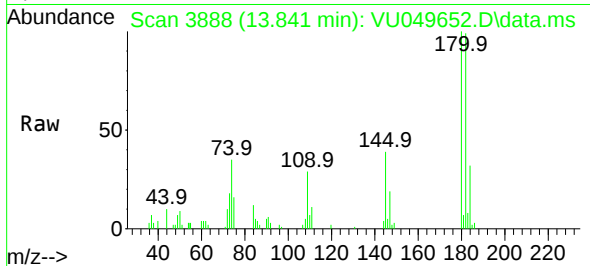
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 2110   |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 155       | 62.1  | 66.8  | 100.2# |
| 157       | 89.3  | 83.8  | 125.8  |





#87  
1,2,4-Trichlorobenzene  
Concen: 1.023 ug/l  
RT: 13.841 min Scan# 3888  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

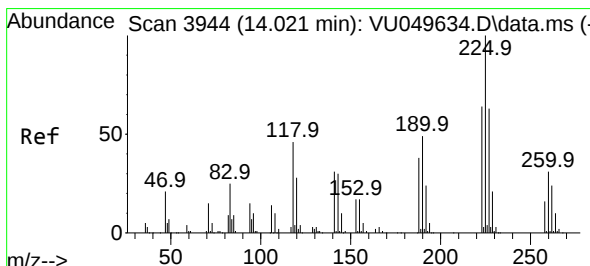
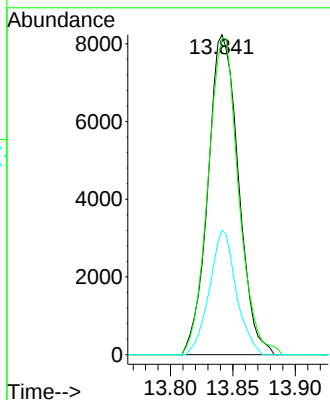
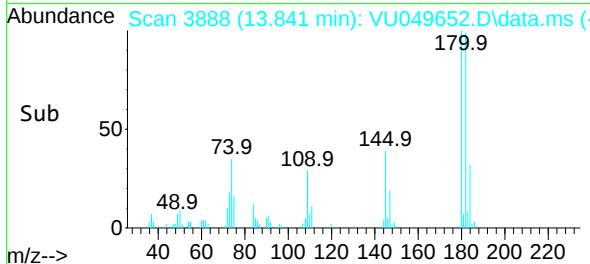
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT2-2022



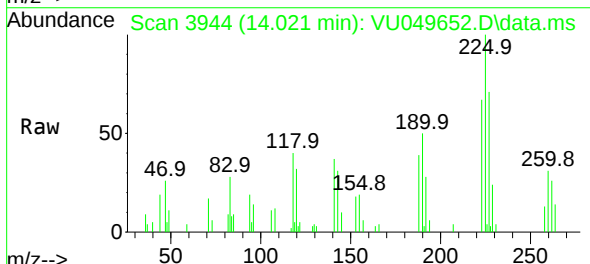
Tgt Ion:180 Resp: 1400  
Ion Ratio Lower Upper  
180 100  
182 99.3 77.0 115.6  
145 34.1 25.7 38.5

Manual Integrations  
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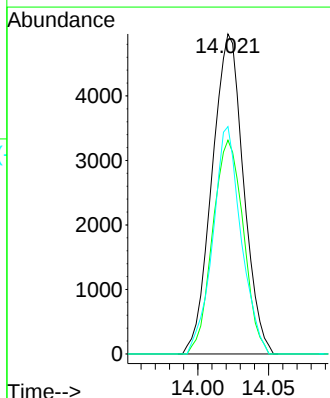
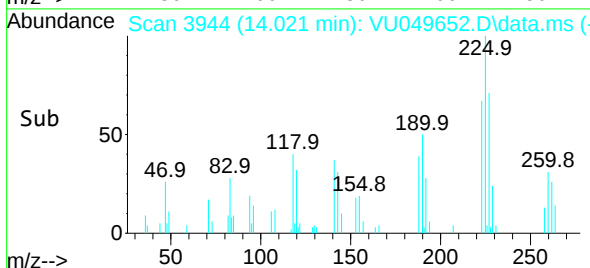
Reviewed By :Mahesh Dadoda 07/08/2022  
Supervised By :Semsettin Yesilyurt 07/08/2022

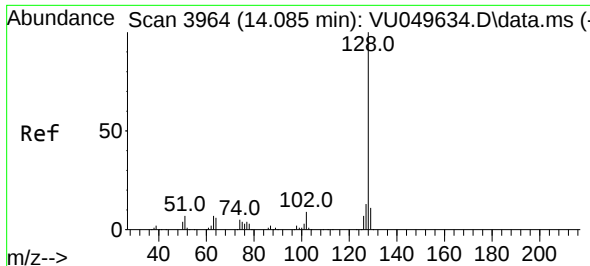


#88  
Hexachlorobutadiene  
Concen: 1.100 ug/l  
RT: 14.021 min Scan# 3944  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30



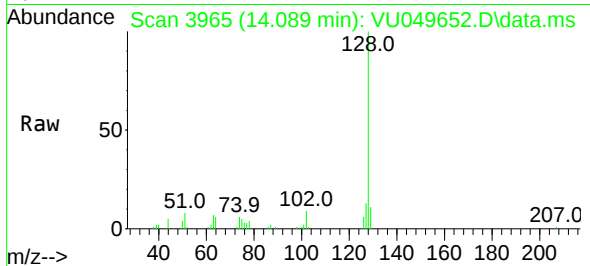
Tgt Ion:225 Resp: 7674  
Ion Ratio Lower Upper  
225 100  
223 65.1 50.6 76.0  
227 63.8 50.7 76.1





#89  
Naphthalene  
Concen: 0.984 ug/l  
RT: 14.089 min Scan# 3964  
Delta R.T. 0.003 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

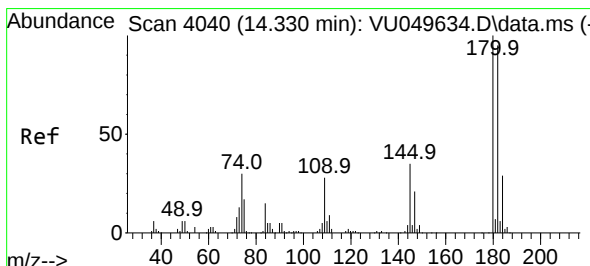
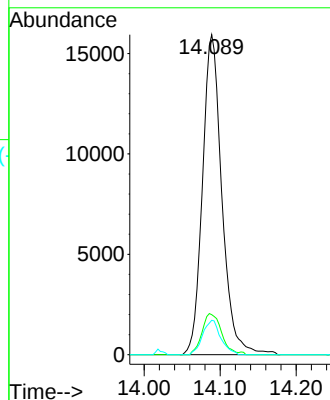
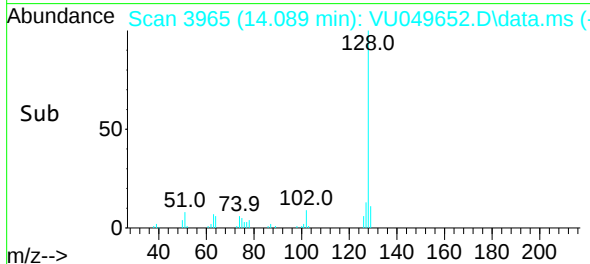
Instrument : MSVOA\_U  
ClientSampleId :  
LOQ-WATER-02-QT2-2022



Tgt Ion:128 Resp: 2825  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.1 15.1  
129 10.0 8.6 12.8

Manual Integrations  
APPROVED

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#90  
1,2,3-Trichlorobenzene  
Concen: 1.048 ug/l  
RT: 14.330 min Scan# 4040  
Delta R.T. 0.000 min  
Lab File: VU049652.D  
Acq: 07 Jul 2022 14:30

Tgt Ion:180 Resp: 13698  
Ion Ratio Lower Upper  
180 100  
182 94.4 76.6 114.8  
145 32.5 27.3 40.9

