

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU101822\  
 Data File : VU051439.D  
 Acq On : 18 Oct 2022 13:50  
 Operator : JC/MD  
 Sample : VU1018WBS01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1018WBS01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 10/25/2022  
 Supervised By :Mahesh Dadoda 10/25/2022

Quant Time: Oct 19 02:48:11 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U101722DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Tue Oct 18 04:53:19 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|--------|------|----------|--------|---------|----------|
| -----                        |        |      |          |        |         |          |
| Internal Standards           |        |      |          |        |         |          |
| 1) Fluorobenzene             | 6.115  | 96   | 55976    | 1.000  | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |         |          |
| 57) 4-Bromofluorobenzene     | 10.632 | 95   | 17628    | 0.898  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 90.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.192 | 152  | 20338    | 0.928  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 93.000% |          |
| Target Compounds             |        |      |          |        |         |          |
|                              |        |      |          |        | Qvalue  |          |
| 2) Dichlorodifluoromethane   | 1.385  | 85   | 34377m   | 1.759  | ug/l    |          |
| 3) Chloromethane             | 1.536  | 50   | 52244    | 1.696  | ug/l    | 95       |
| 4) Vinyl Chloride            | 1.604  | 62   | 46823    | 1.756  | ug/l    | 100      |
| 5) Bromomethane              | 1.855  | 94   | 29080    | 1.956  | ug/l    | 99       |
| 6) Chloroethane              | 1.932  | 64   | 25769    | 1.695  | ug/l    | 99       |
| 7) Trichlorofluoromethane    | 2.138  | 101  | 53137    | 1.784  | ug/l    | 98       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.581  | 101  | 29477    | 1.793  | ug/l    | 97       |
| 9) 1,1-Dichloroethene        | 2.578  | 96   | 31066    | 1.808  | ug/l    | 95       |
| 10) Iodomethane              | 2.720  | 142  | 40354    | 1.813  | ug/l    | 95       |
| 11) Allyl Chloride           | 2.922  | 41   | 45407    | 1.733  | ug/l    | 97       |
| 12) Acrylonitrile            | 3.321  | 53   | 19355    | 3.829  | ug/l    | 94       |
| 13) Acetone                  | 2.636  | 43   | 29313    | 8.053  | ug/l    | 93       |
| 14) Carbon Disulfide         | 2.790  | 76   | 109387   | 1.787  | ug/l    | 99       |
| 15) Methylene Chloride       | 3.044  | 84   | 48411    | 2.010  | ug/l    | 95       |
| 16) trans-1,2-Dichloroethene | 3.347  | 96   | 35302    | 1.792  | ug/l    | 95       |
| 17) 1,1-Dichloroethane       | 3.867  | 63   | 62790    | 1.773  | ug/l    | 99       |
| 18) 2-Butanone               | 4.723  | 43   | 36843    | 8.341  | ug/l    | 96       |
| 19) Cyclohexane              | 5.385  | 56   | 34796m   | 1.585  | ug/l    |          |
| 20) Methylcyclohexane        | 6.761  | 83   | 34090    | 1.797  | ug/l    | 97       |
| 21) 2,2-Dichloropropane      | 4.662  | 77   | 44854    | 1.814  | ug/l    | 99       |
| 22) cis-1,2-Dichloroethene   | 4.665  | 96   | 33369    | 1.790  | ug/l    | 99       |
| 23) Diethyl Ether            | 2.379  | 59   | 26410    | 1.761  | ug/l    | 98       |
| 24) tert-Butyl Alcohol       | 3.215  | 59   | 25872    | 16.447 | ug/l    | 99       |
| 25) Methyl tert-Butyl Ether  | 3.369  | 73   | 81251    | 1.818  | ug/l    | 98       |
| 26) Bromochloromethane       | 4.977  | 128  | 16869    | 1.857  | ug/l    | 97       |
| 27) Chloroform               | 5.089  | 83   | 65741    | 1.833  | ug/l    | 100      |
| 28) 1,1,1-Trichloroethane    | 5.314  | 97   | 50958    | 1.780  | ug/l    | 99       |
| 29) 1,1-Dichloropropene      | 5.523  | 75   | 37996    | 1.733  | ug/l    | 98       |
| 30) Carbon Tetrachloride     | 5.520  | 117  | 43032    | 1.781  | ug/l    | 97       |
| 31) Isopropyl Ether          | 3.999  | 45   | 72607    | 1.733  | ug/l    | 92       |
| 32) Ethyl-t-butyl ether      | 4.507  | 59   | 65590    | 1.715  | ug/l    | 96       |
| 33) Tert-Amyl methyl ether   | 5.945  | 73   | 57486    | 1.710  | ug/l    | 99       |
| 34) Propionitrile            | 4.790  | 54   | 14104    | 9.498  | ug/l    | # 99     |
| 35) Benzene                  | 5.771  | 78   | 130440   | 1.773  | ug/l    | 97       |
| 36) 1,2-Dichloroethane       | 5.797  | 62   | 41804    | 1.841  | ug/l    | 99       |
| 37) Trichloroethene          | 6.543  | 130  | 31018    | 1.796  | ug/l    | 93       |
| 38) 1,2-Dichloropropane      | 6.790  | 63   | 36135    | 1.790  | ug/l    | 98       |
| 39) Methacrylonitrile        | 4.983  | 41   | 8754     | 1.725  | ug/l    | 98       |
| 40) Methyl acrylate          | 4.855  | 55   | 14808m   | 1.830  | ug/l    |          |
| 41) Tetrahydrofuran          | 5.070  | 42   | 9115     | 3.420  | ug/l    | 96       |
| 42) 1-Chlorobutane           | 5.456  | 56   | 49757    | 1.663  | ug/l    | 96       |
| 43) Dibromomethane           | 6.919  | 93   | 19185    | 1.831  | ug/l    | 98       |
| 44) Bromodichloromethane     | 7.105  | 83   | 45159    | 1.781  | ug/l    | 99       |

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 Sample : VU1018WBS01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1018WBS01

Manual Integrations  
 APPROVED

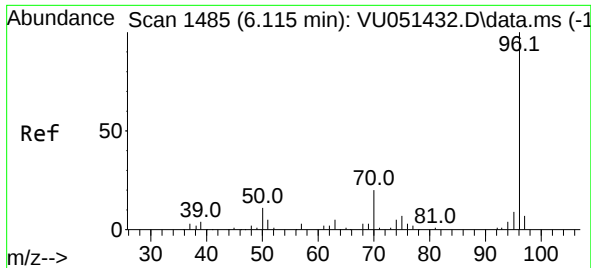
Reviewed By :Krupa Patel 10/25/2022  
 Supervised By :Mahesh Dadoda 10/25/2022

Quant Time: Oct 19 02:48:11 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U101722DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Tue Oct 18 04:53:19 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.793  | 43   | 80377    | 8.060 | ug/l  | 94       |
| 46) t-1,4-Dichloro-2-butene   | 10.825 | 75   | 22067m   | 3.965 | ug/l  |          |
| 47) Methyl methacrylate       | 6.964  | 69   | 25077    | 3.417 | ug/l  | 98       |
| 48) Ethyl methacrylate        | 8.337  | 69   | 21187    | 1.753 | ug/l  | 96       |
| 49) Toluene                   | 7.970  | 92   | 67141    | 1.664 | ug/l  | 98       |
| 50) t-1,3-Dichloropropene     | 8.211  | 75   | 36120    | 1.771 | ug/l  | 99       |
| 51) cis-1,3-Dichloropropene   | 7.607  | 75   | 41184    | 1.713 | ug/l  | 98       |
| 52) 1,1,2-Trichloroethane     | 8.398  | 97   | 26384    | 1.764 | ug/l  | 96       |
| 53) 1,3-Dichloropropane       | 8.575  | 76   | 43047    | 1.786 | ug/l  | 100      |
| 54) 2-Hexanone                | 8.687  | 43   | 53131    | 8.476 | ug/l  | 94       |
| 55) Dibromochloromethane      | 8.809  | 129  | 29284    | 1.800 | ug/l  | 99       |
| 56) 1,2-Dibromoethane         | 8.925  | 107  | 23775    | 1.808 | ug/l  | 94       |
| 58) Tetrachloroethene         | 8.552  | 164  | 25761    | 1.712 | ug/l  | 96       |
| 59) Chlorobenzene             | 9.446  | 112  | 76072    | 1.717 | ug/l  | 99       |
| 60) 1,1,1,2-Tetrachloroethane | 9.536  | 131  | 30657    | 1.806 | ug/l  | 98       |
| 61) Pentachloroethane         | 11.427 | 117  | 28204    | 1.865 | ug/l  | 96       |
| 62) Hexachloroethane          | 12.475 | 117  | 25620    | 1.784 | ug/l  | 96       |
| 63) Ethyl Benzene             | 9.568  | 91   | 104874   | 1.762 | ug/l  | 98       |
| 64) m/p-Xylenes               | 9.694  | 106  | 81872    | 3.339 | ug/l  | 99       |
| 65) o-Xylene                  | 10.099 | 106  | 41912    | 1.740 | ug/l  | 99       |
| 66) Styrene                   | 10.115 | 104  | 66369    | 1.689 | ug/l  | 99       |
| 67) Bromoform                 | 10.292 | 173  | 15893    | 1.741 | ug/l  | 97       |
| 69) Isopropylbenzene          | 10.485 | 105  | 101800   | 1.758 | ug/l  | 100      |
| 70) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 35841    | 1.772 | ug/l  | 96       |
| 71) 1,2,3-Trichloropropane    | 10.825 | 75   | 27753m   | 1.846 | ug/l  |          |
| 72) Bromobenzene              | 10.780 | 156  | 30597    | 1.737 | ug/l  | 99       |
| 73) n-propylbenzene           | 10.906 | 120  | 26736    | 1.668 | ug/l  | 94       |
| 74) 2-Chlorotoluene           | 10.986 | 126  | 28792    | 1.679 | ug/l  | 98       |
| 75) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 88646    | 1.662 | ug/l  | 100      |
| 76) 4-Chlorotoluene           | 11.095 | 126  | 30217    | 1.769 | ug/l  | 88       |
| 77) tert-Butylbenzene         | 11.420 | 119  | 90664    | 1.597 | ug/l  | 97       |
| 78) 1,2,4-Trimethylbenzene    | 11.465 | 105  | 92225    | 1.673 | ug/l  | 99       |
| 79) sec-Butylbenzene          | 11.642 | 105  | 118142   | 1.708 | ug/l  | 99       |
| 80) Nitrobenzene              | 13.208 | 77   | 7590m    | 7.577 | ug/l  |          |
| 81) p-Isopropyltoluene        | 11.793 | 119  | 92610    | 1.703 | ug/l  | 98       |
| 82) 1,3-Dichlorobenzene       | 11.745 | 146  | 63235    | 1.671 | ug/l  | 97       |
| 83) 1,4-Dichlorobenzene       | 11.835 | 146  | 63606    | 1.717 | ug/l  | 99       |
| 84) n-Butylbenzene            | 12.208 | 91   | 85340    | 1.661 | ug/l  | 98       |
| 85) 1,2-Dichlorobenzene       | 12.211 | 146  | 62584    | 1.678 | ug/l  | 99       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.999 | 75   | 5271     | 1.666 | ug/l  | 96       |
| 87) 1,2,4-Trichlorobenzene    | 13.841 | 180  | 29039    | 1.438 | ug/l  | 100      |
| 88) Hexachlorobutadiene       | 14.021 | 225  | 22138    | 1.681 | ug/l  | 96       |
| 89) Naphthalene               | 14.089 | 128  | 49817    | 1.179 | ug/l  | 99       |
| 90) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 30056    | 1.360 | ug/l  | 99       |

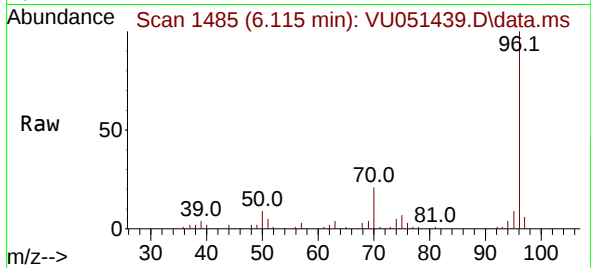
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.115 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

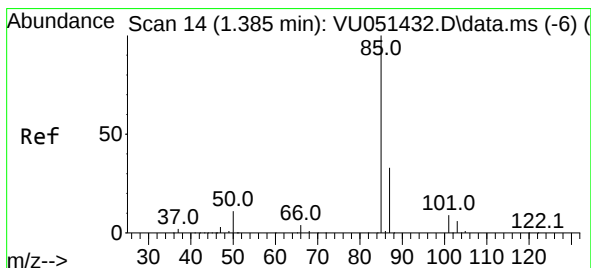
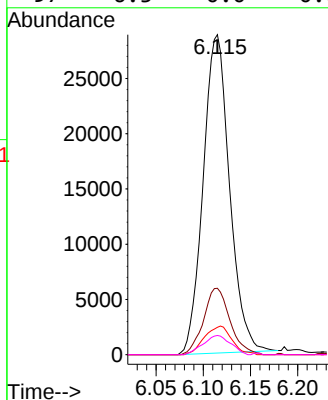
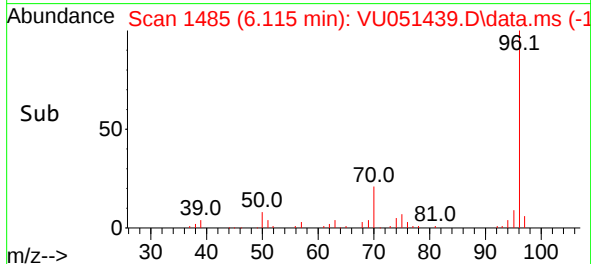
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01



Tgt Ion: 96 Resp: 55970  
Ion Ratio Lower Upper  
96 100  
70 20.9 16.7 25.1  
95 9.3 7.5 11.3  
97 6.3 0.0 0.0#

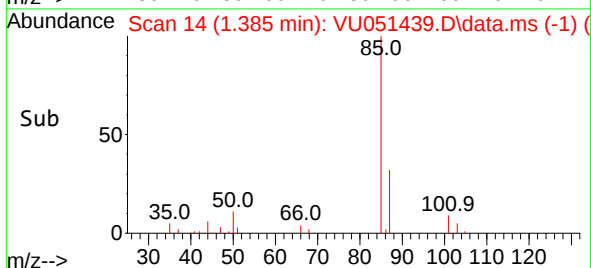
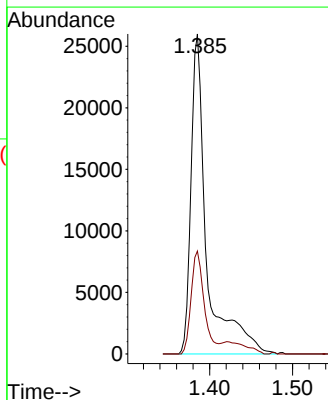
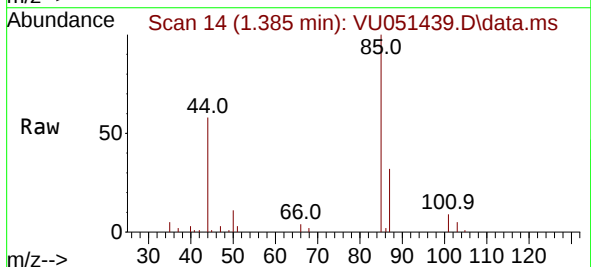
Manual Integrations  
APPROVED

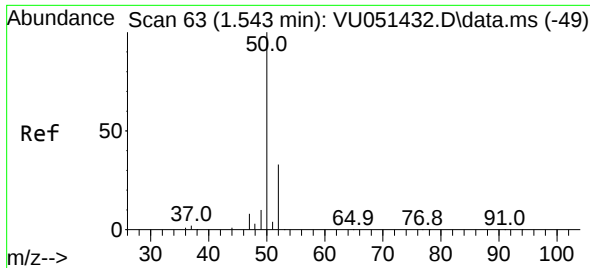
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022



#2  
Dichlorodifluoromethane  
Concen: 1.759 ug/l m  
RT: 1.385 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

Tgt Ion: 85 Resp: 34377  
Ion Ratio Lower Upper  
85 100  
87 32.1 16.4 49.4





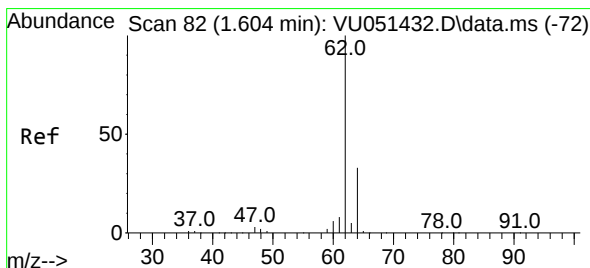
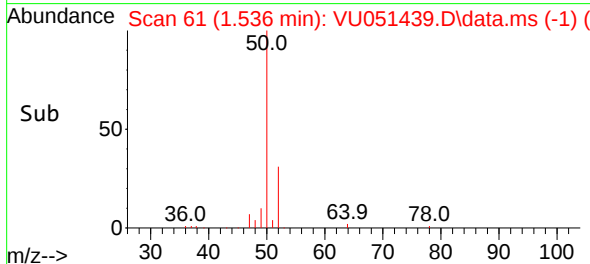
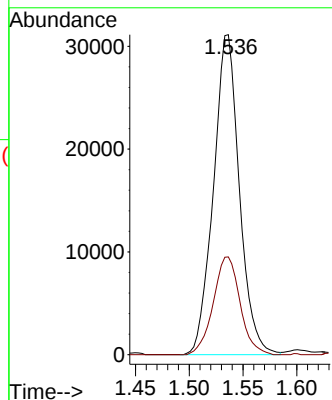
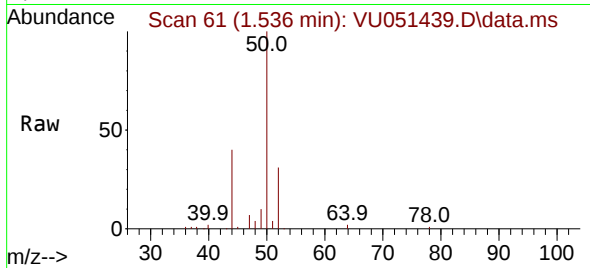
#3  
Chloromethane  
Concen: 1.696 ug/l  
RT: 1.536 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01

Tgt Ion: 50 Resp: 5224  
Ion Ratio Lower Upper  
50 100  
52 30.6 26.7 40.1

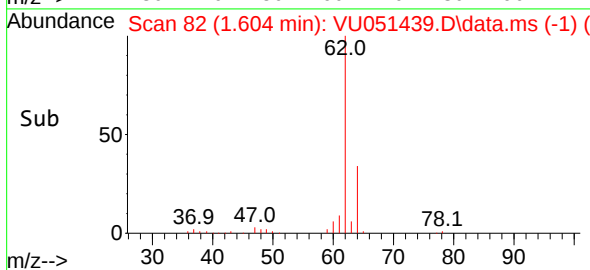
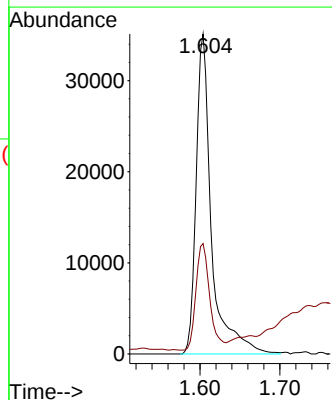
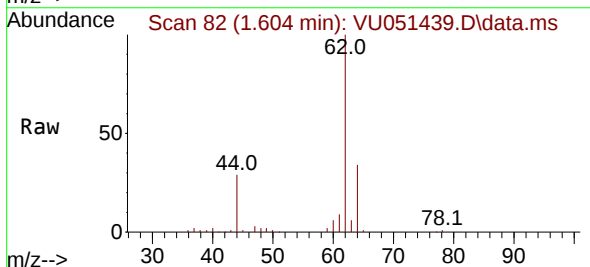
Manual Integrations  
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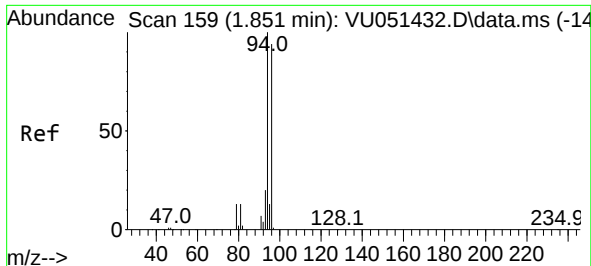
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022



#4  
Vinyl Chloride  
Concen: 1.756 ug/l  
RT: 1.604 min Scan# 82  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

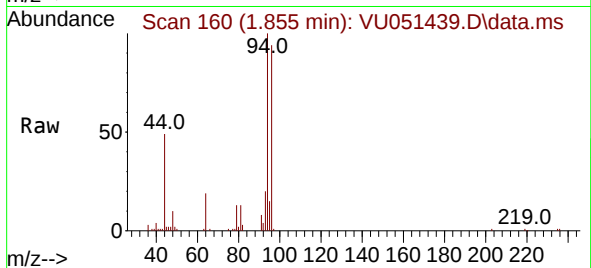
Tgt Ion: 62 Resp: 46823  
Ion Ratio Lower Upper  
62 100  
64 33.3 26.7 40.1





#5  
Bromomethane  
Concen: 1.956 ug/l  
RT: 1.855 min Scan# 159  
Delta R.T. 0.003 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

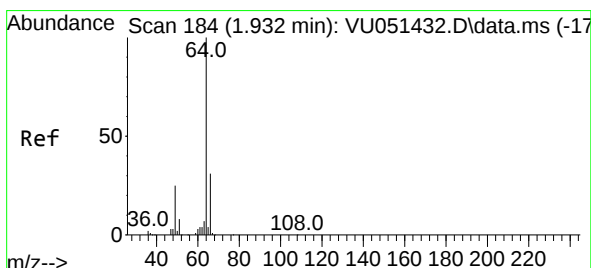
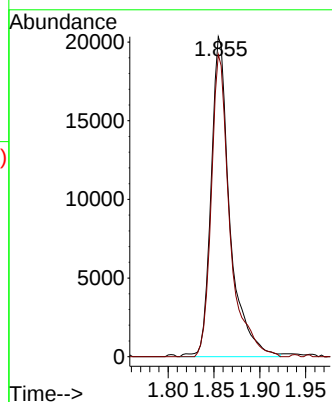
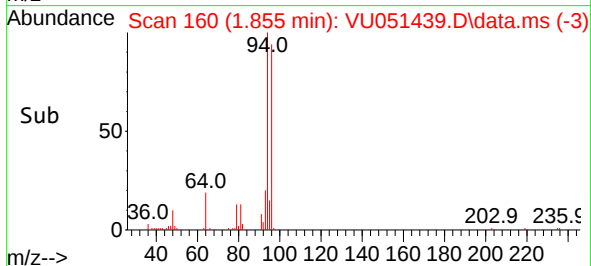
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01



Tgt Ion: 94 Resp: 29080  
Ion Ratio Lower Upper  
94 100  
96 94.5 74.8 112.2

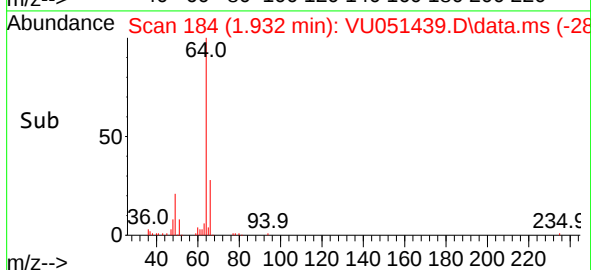
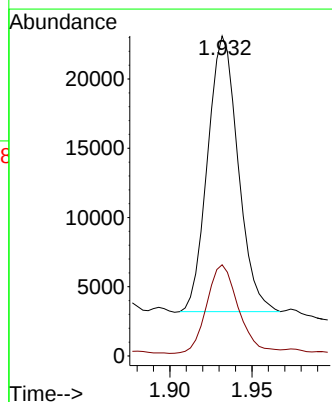
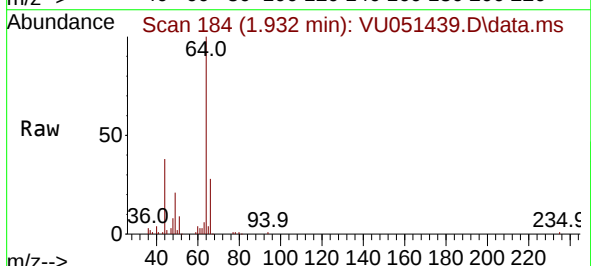
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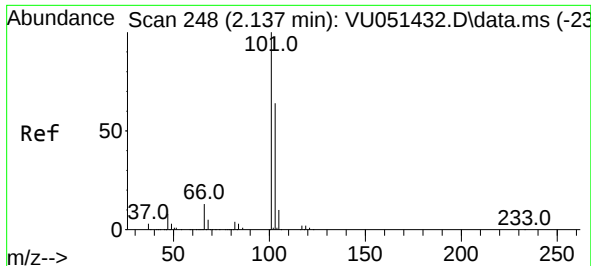
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022



#6  
Chloroethane  
Concen: 1.695 ug/l  
RT: 1.932 min Scan# 184  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

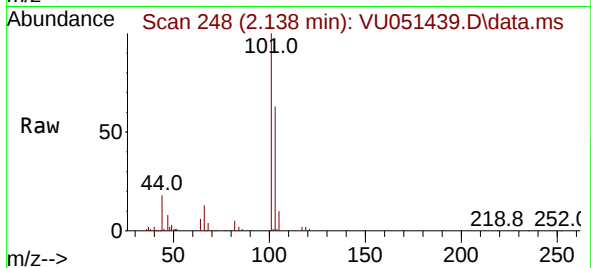
Tgt Ion: 64 Resp: 25769  
Ion Ratio Lower Upper  
64 100  
66 31.8 25.2 37.8





#7  
 Trichlorofluoromethane  
 Concen: 1.784 ug/l  
 RT: 2.138 min Scan# 248  
 Delta R.T. 0.000 min  
 Lab File: VU051439.D  
 Acq: 18 Oct 2022 13:50

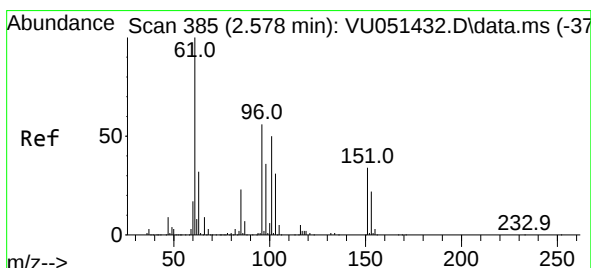
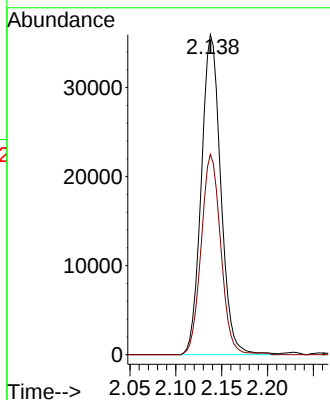
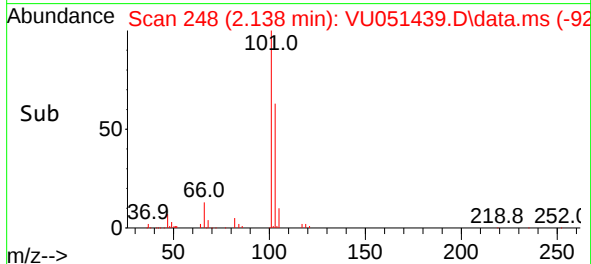
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1018WBS01



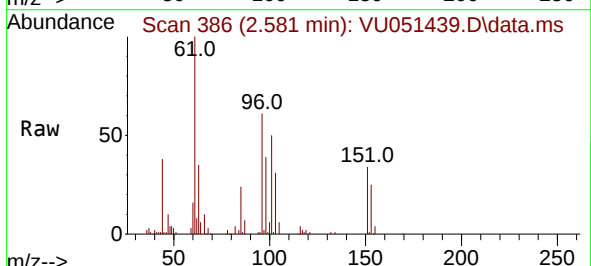
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 Ion Ratio Lower Upper  
 101 100  
 103 62.6 51.4 77.2

Manual Integrations  
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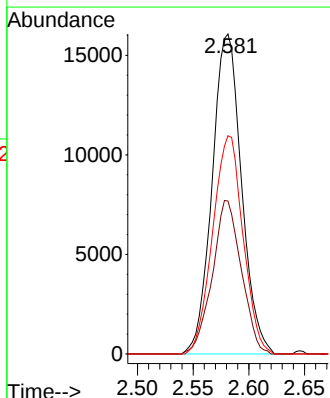
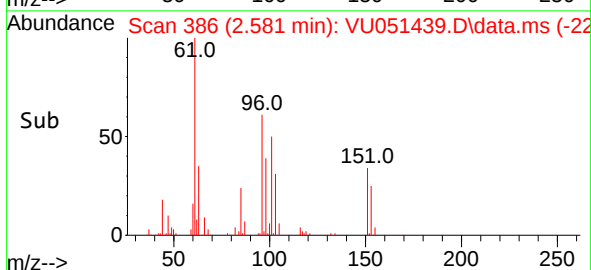
Reviewed By :Krupa Patel 10/25/2022  
 Supervised By :Mahesh Dadoda 10/25/2022

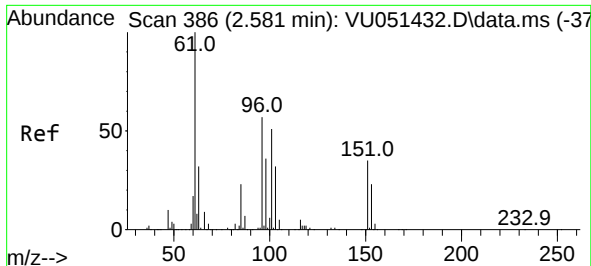


#8  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 1.793 ug/l  
 RT: 2.581 min Scan# 386  
 Delta R.T. 0.003 min  
 Lab File: VU051439.D  
 Acq: 18 Oct 2022 13:50



Tgt Ion:101 Resp: 29477  
 Ion Ratio Lower Upper  
 101 100  
 85 47.3 36.6 54.8  
 151 70.4 54.6 81.8





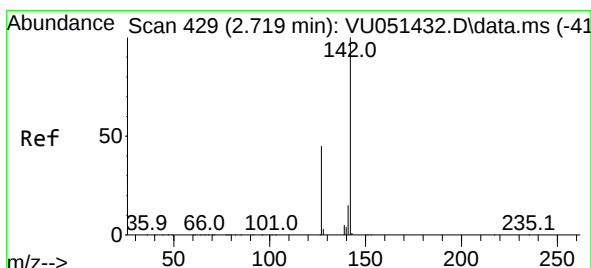
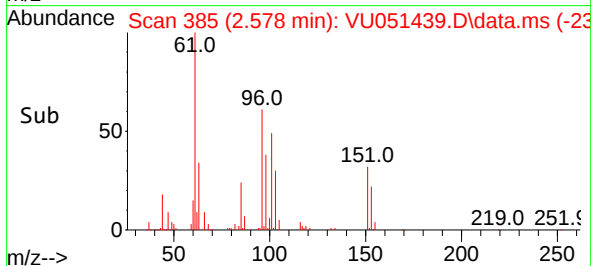
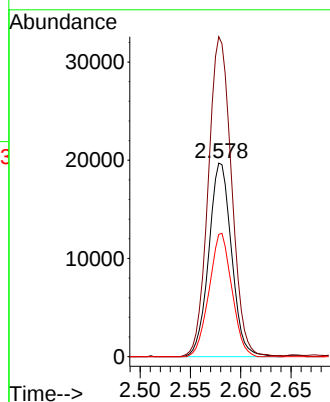
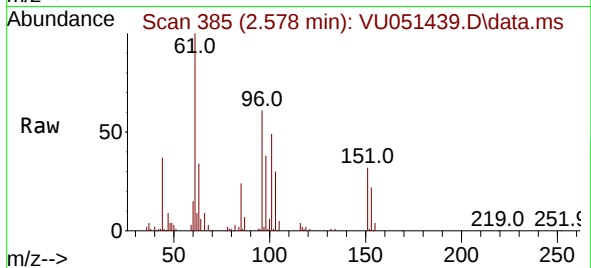
#9  
1,1-Dichloroethene  
Concen: 1.808 ug/l  
RT: 2.578 min Scan# 386  
Delta R.T. -0.003 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01

Tgt Ion: 96 Resp: 31060  
Ion Ratio Lower Upper  
96 100  
61 165.2 0.0 522.3  
98 63.1 0.0 126.6

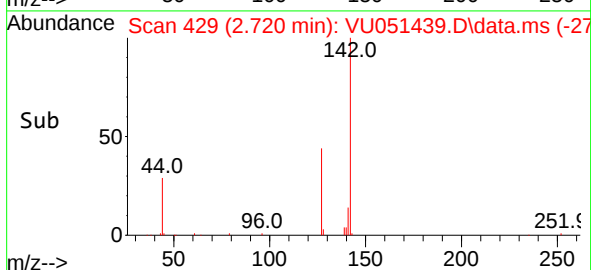
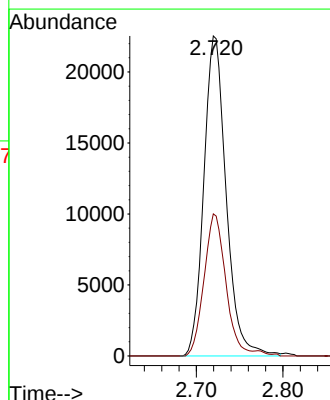
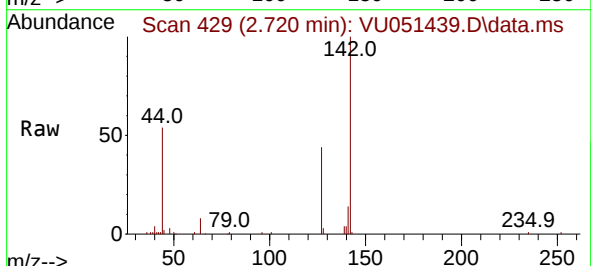
Manual Integrations  
APPROVED

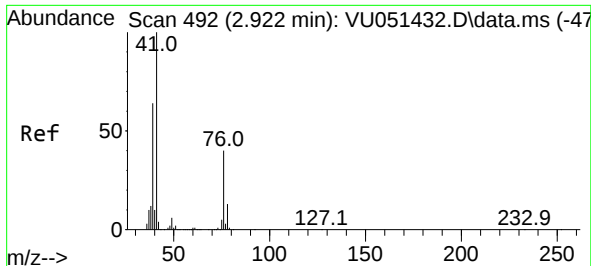
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022



#10  
Iodomethane  
Concen: 1.813 ug/l  
RT: 2.720 min Scan# 429  
Delta R.T. 0.001 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

Tgt Ion:142 Resp: 40354  
Ion Ratio Lower Upper  
142 100  
127 43.1 37.0 55.4





#11

Allyl Chloride

Concen: 1.733 ug/l

RT: 2.922 min Scan# 492

Delta R.T. 0.000 min

Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

Instrument :

MSVOA\_U

ClientSampleId :

VU1018WBS01

Tgt Ion: 41 Resp: 4540

Ion Ratio Lower Upper

41 100

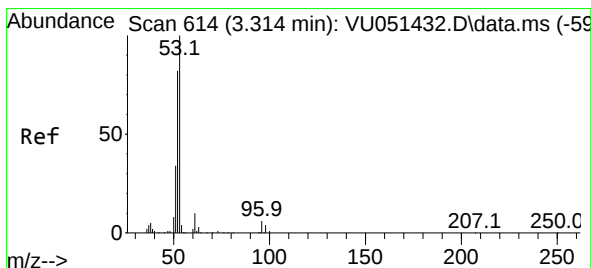
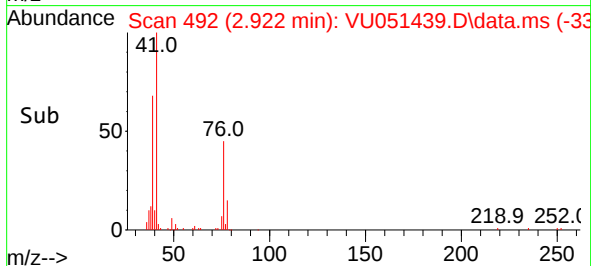
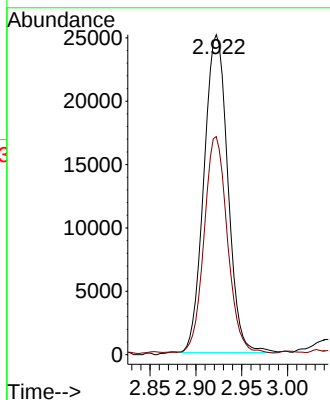
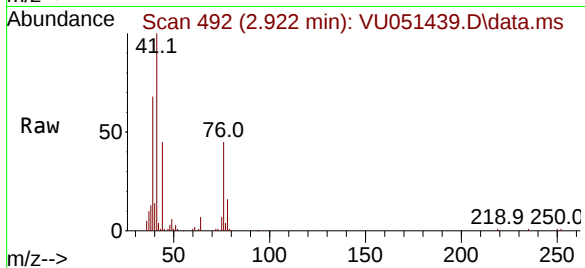
39 66.4 51.4 77.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/25/2022

Supervised By :Mahesh Dadoda 10/25/2022



#12

Acrylonitrile

Concen: 3.829 ug/l

RT: 3.321 min Scan# 616

Delta R.T. 0.007 min

Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

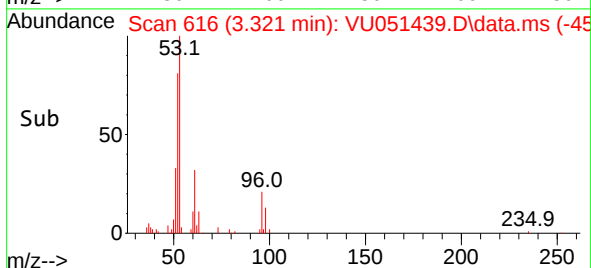
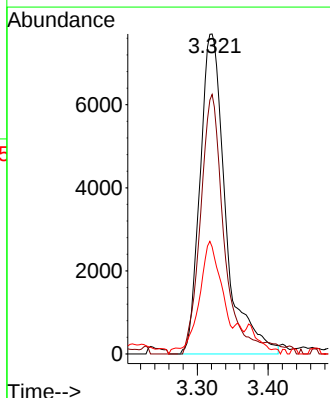
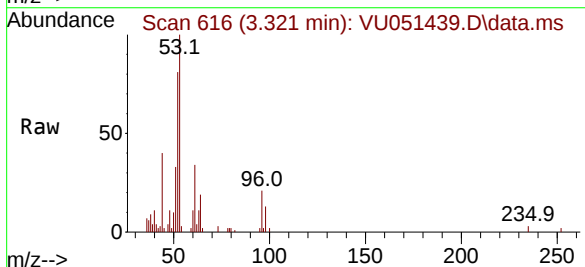
Tgt Ion: 53 Resp: 19355

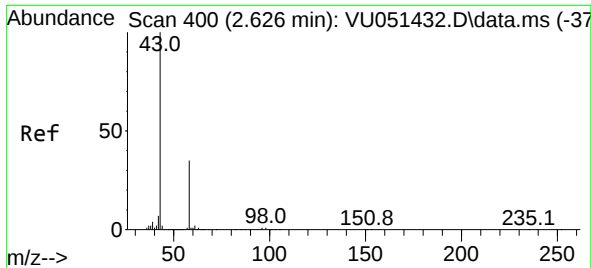
Ion Ratio Lower Upper

53 100

52 73.6 63.9 95.9

51 31.5 25.9 38.9





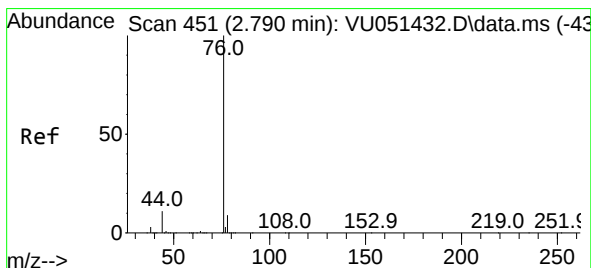
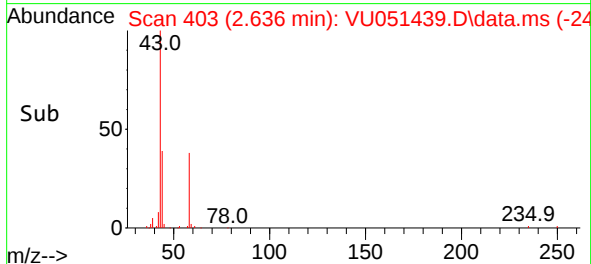
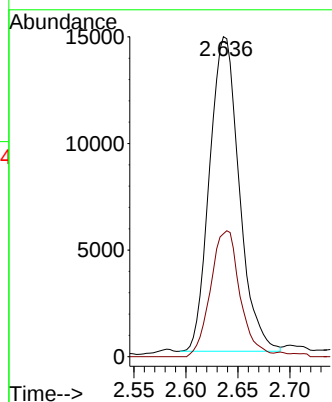
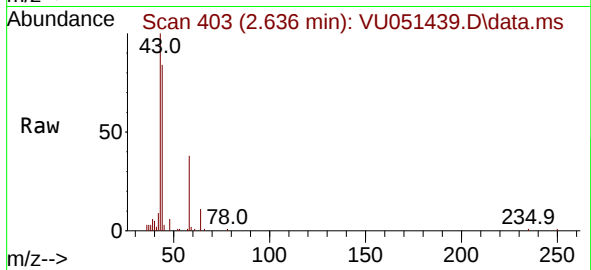
#13  
Acetone  
Concen: 8.053 ug/l  
RT: 2.636 min Scan# 400  
Delta R.T. 0.010 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01

Tgt Ion: 43 Resp: 2931  
Ion Ratio Lower Upper  
43 100  
58 39.1 27.9 41.9

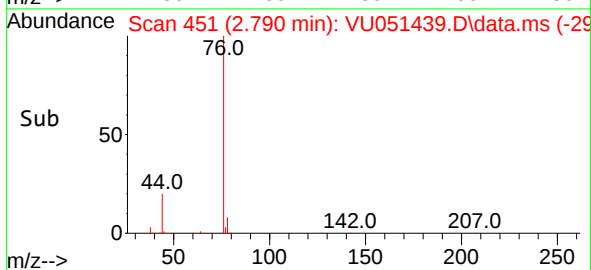
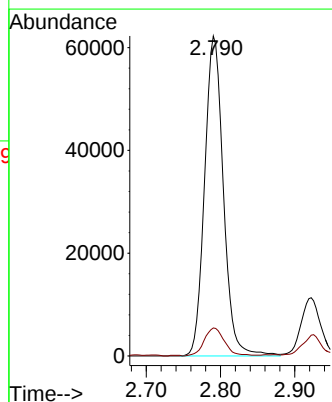
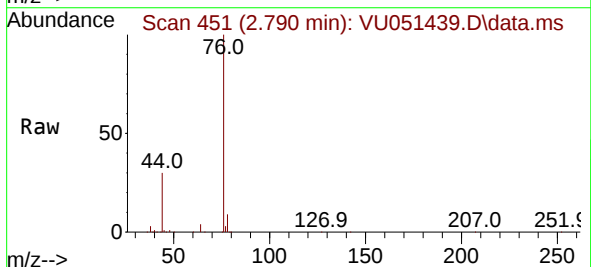
Manual Integrations  
APPROVED

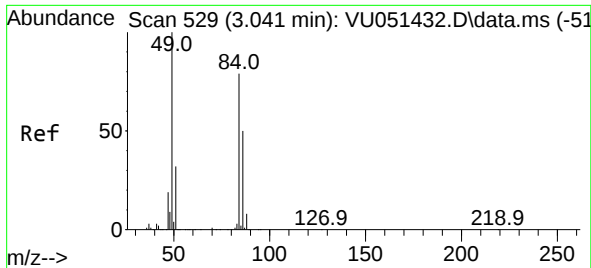
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022



#14  
Carbon Disulfide  
Concen: 1.787 ug/l  
RT: 2.790 min Scan# 451  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

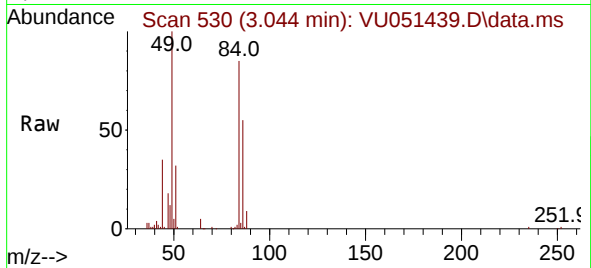
Tgt Ion: 76 Resp: 109387  
Ion Ratio Lower Upper  
76 100  
78 8.6 7.2 10.8





#15  
Methylene Chloride  
Concen: 2.010 ug/l  
RT: 3.044 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

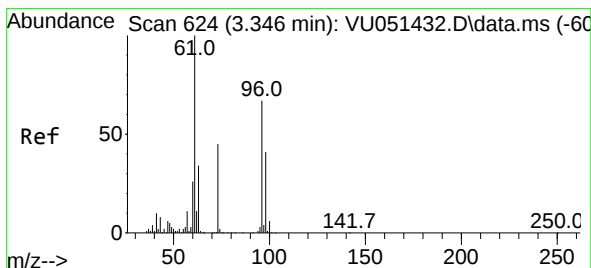
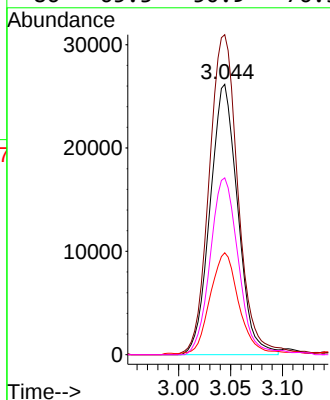
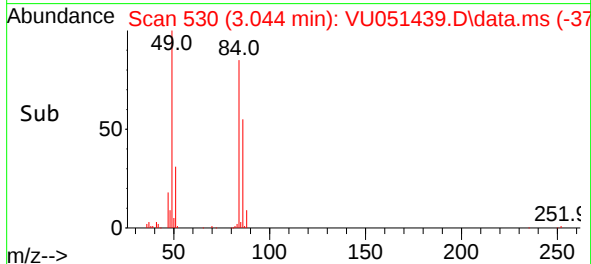
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01



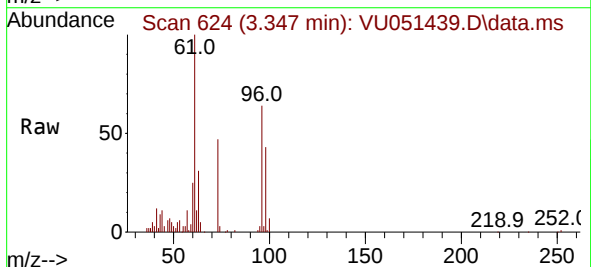
Tgt Ion: 84 Resp: 4841  
Ion Ratio Lower Upper  
84 100  
49 118.3 101.1 151.7  
51 37.2 0.0 80.2  
86 65.3 50.9 76.3

Manual Integrations  
APPROVED

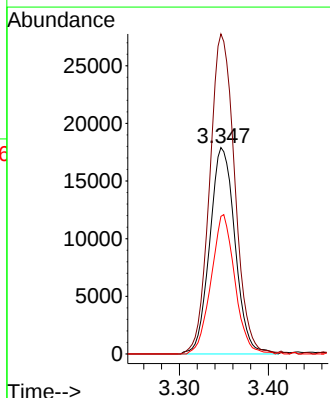
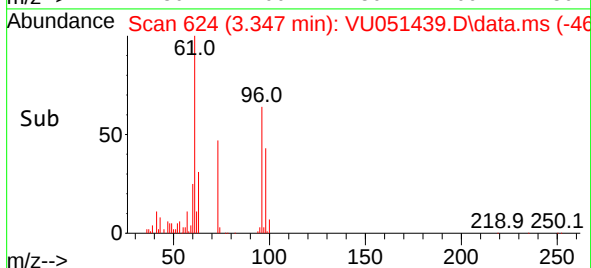
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022

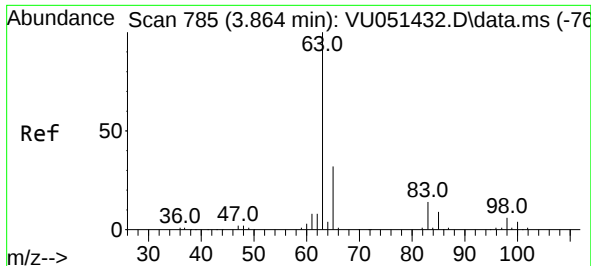


#16  
trans-1,2-Dichloroethene  
Concen: 1.792 ug/l  
RT: 3.347 min Scan# 624  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50



Tgt Ion: 96 Resp: 35302  
Ion Ratio Lower Upper  
96 100  
61 155.0 119.9 179.9  
98 66.7 49.5 74.3





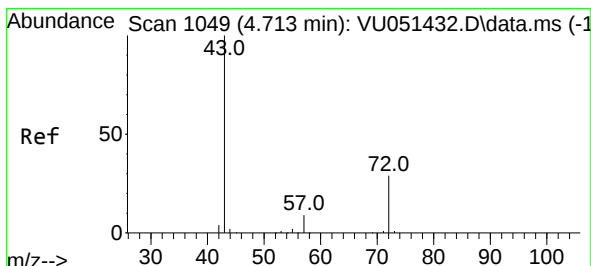
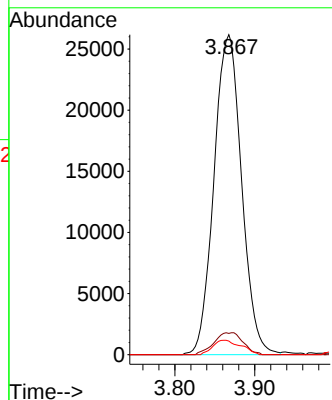
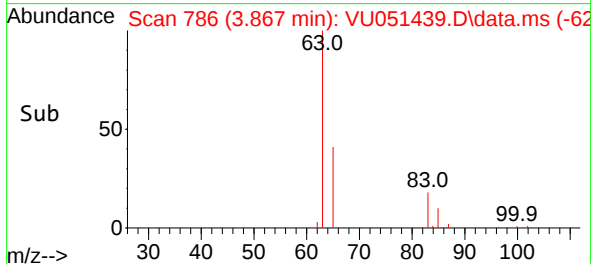
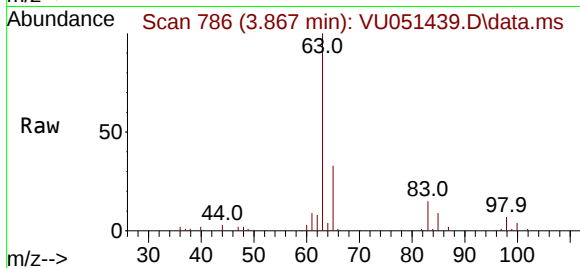
#17  
1,1-Dichloroethane  
Concen: 1.773 ug/l  
RT: 3.867 min Scan# 71  
Delta R.T. 0.003 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01

Tgt Ion: 63 Resp: 62790  
Ion Ratio Lower Upper  
63 100  
98 6.6 3.1 9.3  
100 4.2 2.1 6.3

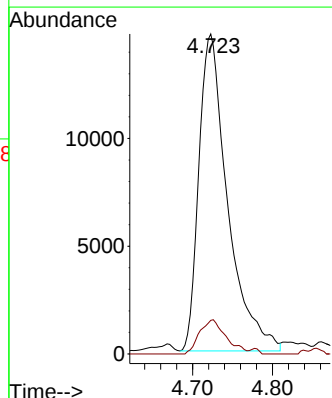
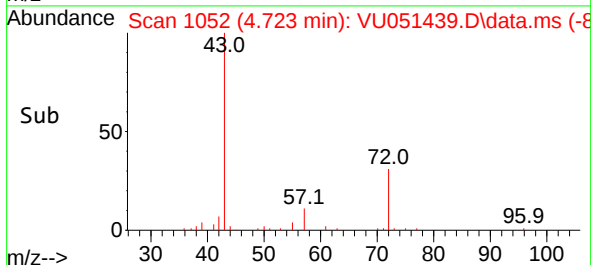
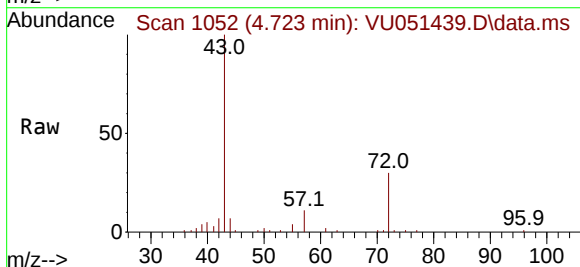
Manual Integrations  
APPROVED

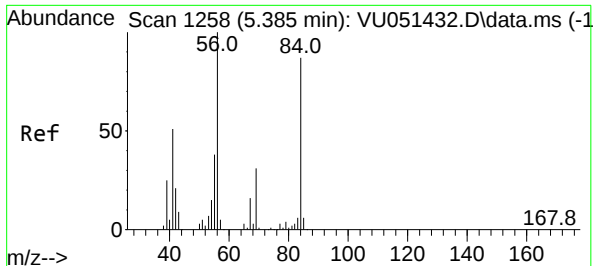
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022



#18  
2-Butanone  
Concen: 8.341 ug/l  
RT: 4.723 min Scan# 1052  
Delta R.T. 0.010 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

Tgt Ion: 43 Resp: 36843  
Ion Ratio Lower Upper  
43 100  
57 10.6 0.0 18.2





#19

Cyclohexane

Concen: 1.585 ug/l m

RT: 5.385 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

Instrument :

MSVOA\_U

ClientSampleId :

VU1018WBS01

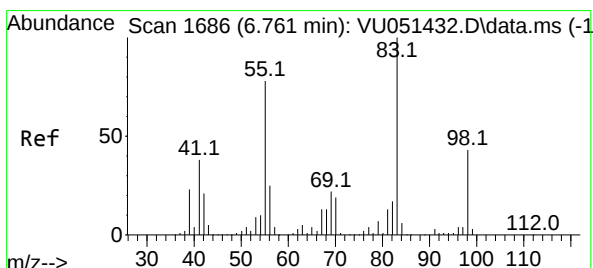
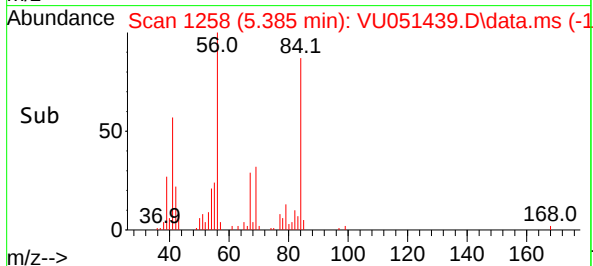
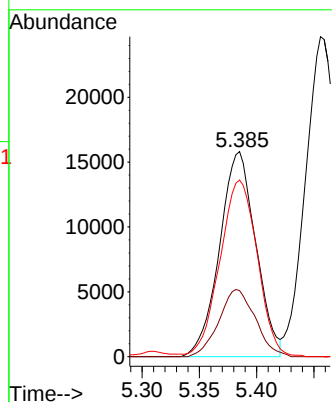
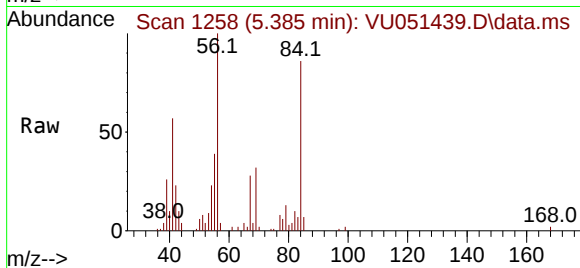
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 34790 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 32.9  | 25.0  | 37.4  |
| 84        | 87.1  | 68.5  | 102.7 |

Manual Integrations

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Reviewed By :Krupa Patel 10/25/2022

Supervised By :Mahesh Dadoda 10/25/2022



#20

Methylcyclohexane

Concen: 1.797 ug/l

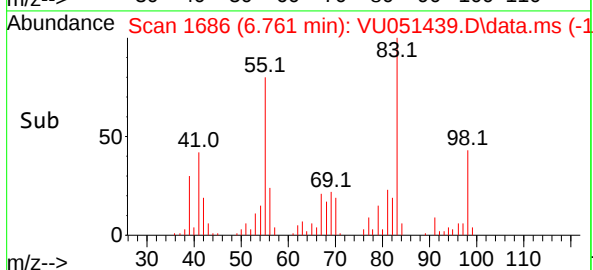
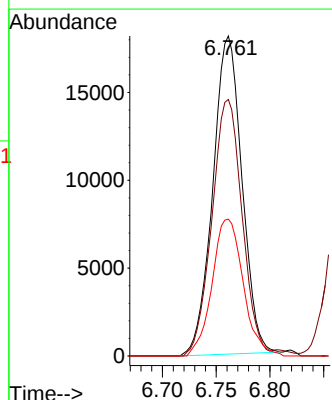
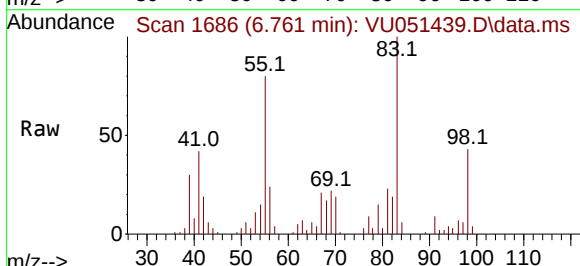
RT: 6.761 min Scan# 1686

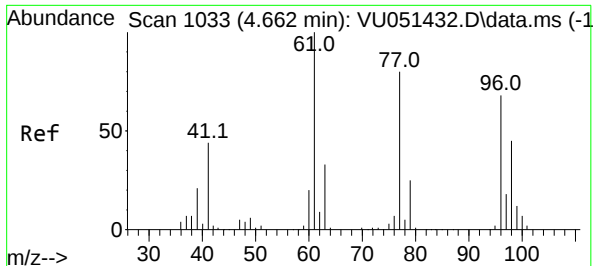
Delta R.T. 0.000 min

Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 34090 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 81.6  | 62.4  | 93.6  |
| 98        | 46.0  | 35.5  | 53.3  |





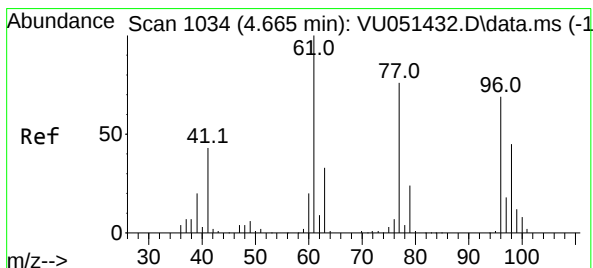
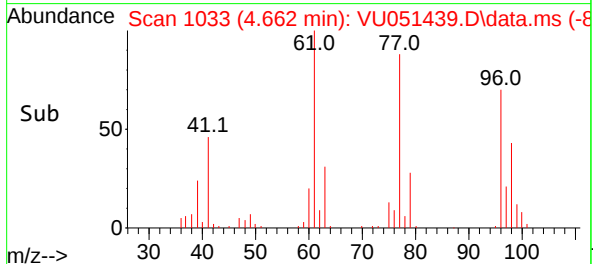
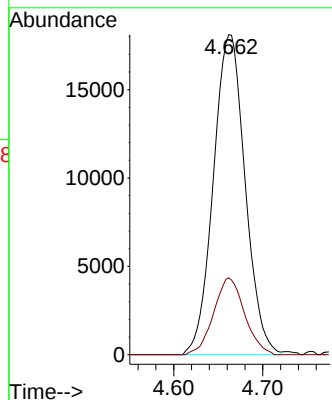
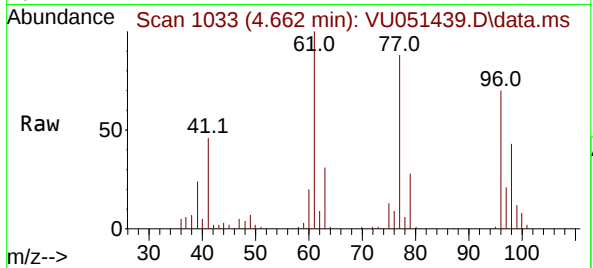
#21  
2,2-Dichloropropane  
Concen: 1.814 ug/l  
RT: 4.662 min Scan# 1033  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01

Tgt Ion: 77 Resp: 44854  
Ion Ratio Lower Upper  
77 100  
97 23.4 19.0 28.6

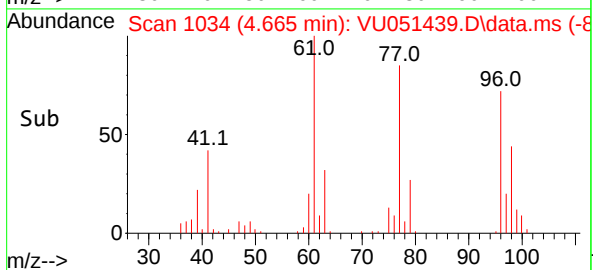
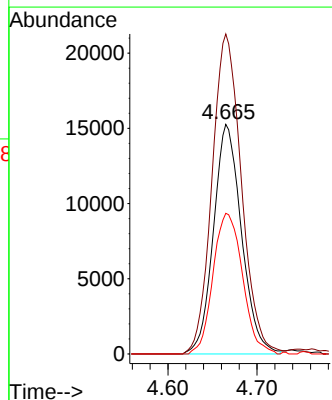
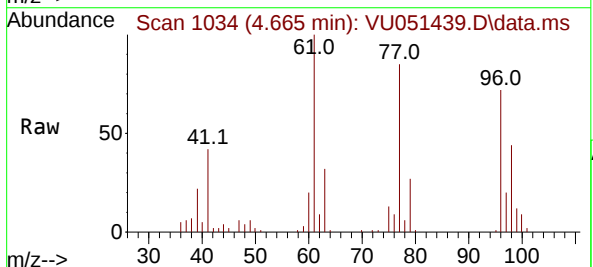
Manual Integrations  
APPROVED

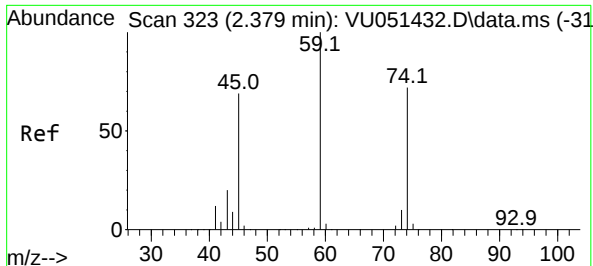
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022



#22  
cis-1,2-Dichloroethene  
Concen: 1.790 ug/l  
RT: 4.665 min Scan# 1034  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

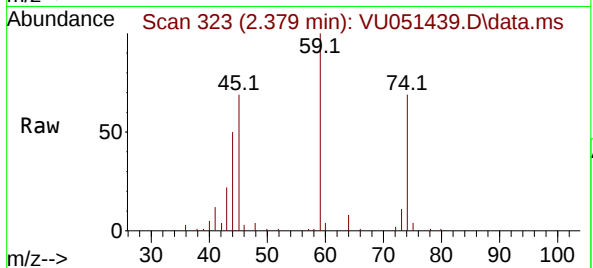
Tgt Ion: 96 Resp: 33369  
Ion Ratio Lower Upper  
96 100  
61 146.0 0.0 362.8  
98 64.2 32.5 97.5





#23  
Diethyl Ether  
Concen: 1.761 ug/l  
RT: 2.379 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

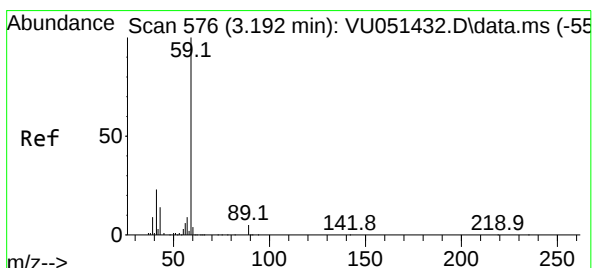
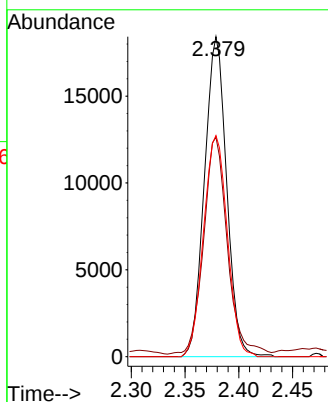
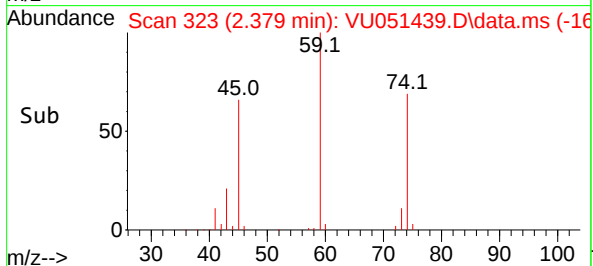
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01



Tgt Ion: 59 Resp: 26410  
Ion Ratio Lower Upper  
59 100  
45 72.1 55.7 83.5  
74 74.2 58.2 87.4

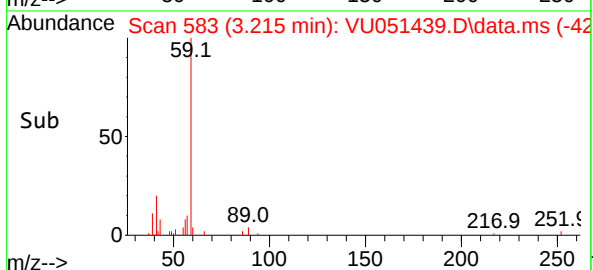
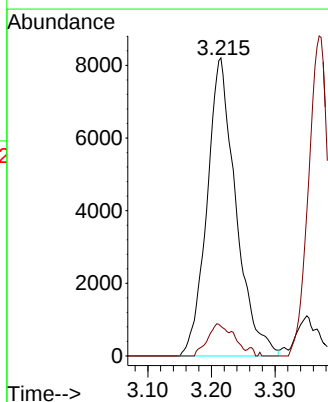
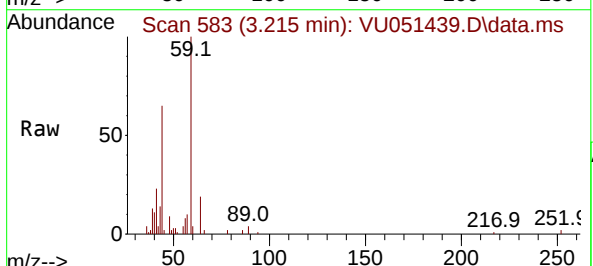
Manual Integrations  
APPROVED

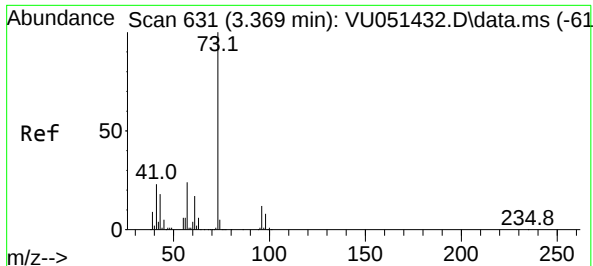
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022



#24  
tert-Butyl Alcohol  
Concen: 16.447 ug/l  
RT: 3.215 min Scan# 583  
Delta R.T. 0.023 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

Tgt Ion: 59 Resp: 25872  
Ion Ratio Lower Upper  
59 100  
57 9.6 7.8 11.8





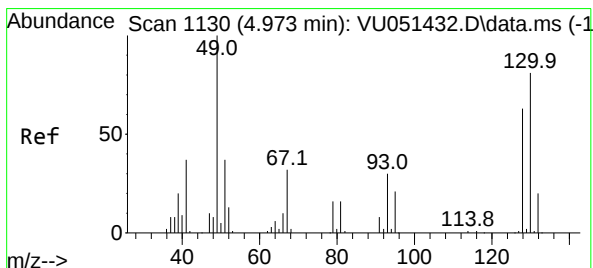
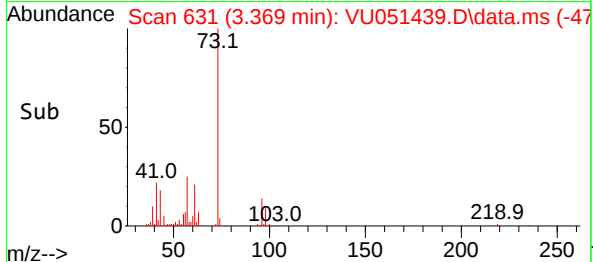
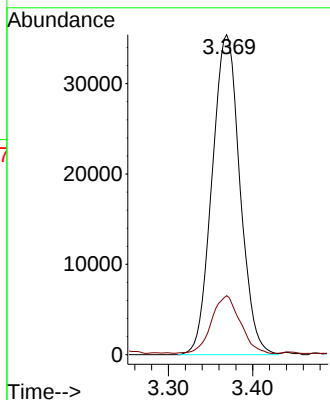
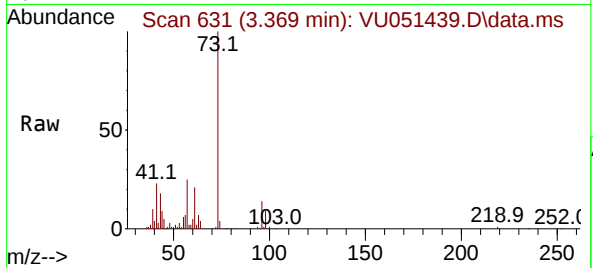
#25  
Methyl tert-Butyl Ether  
Concen: 1.818 ug/l  
RT: 3.369 min Scan# 611  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01

Tgt Ion: 73 Resp: 8125  
Ion Ratio Lower Upper  
73 100  
43 18.5 14.2 21.4

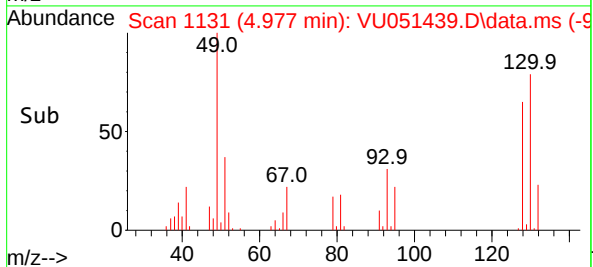
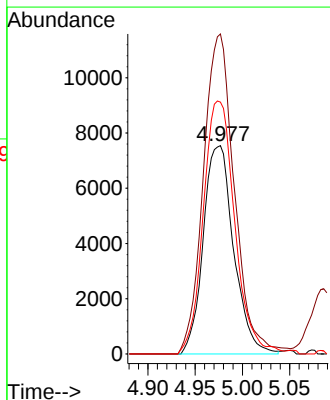
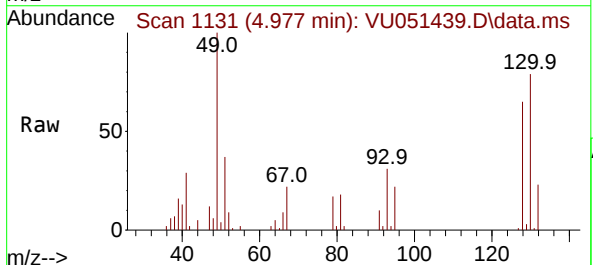
Manual Integrations  
APPROVED

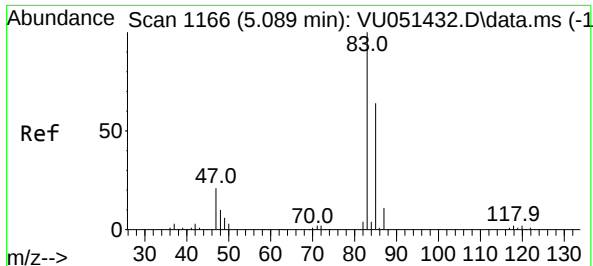
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022



#26  
Bromochloromethane  
Concen: 1.857 ug/l  
RT: 4.977 min Scan# 1131  
Delta R.T. 0.003 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

Tgt Ion:128 Resp: 16869  
Ion Ratio Lower Upper  
128 100  
49 157.0 0.0 320.4  
130 125.8 105.0 157.6





#27

Chloroform

Concen: 1.833 ug/l

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

Instrument :

MSVOA\_U

ClientSampleId :

VU1018WBS01

Tgt Ion: 83 Resp: 6574

Ion Ratio Lower Upper

83 100

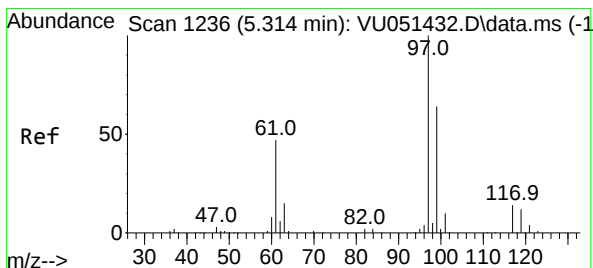
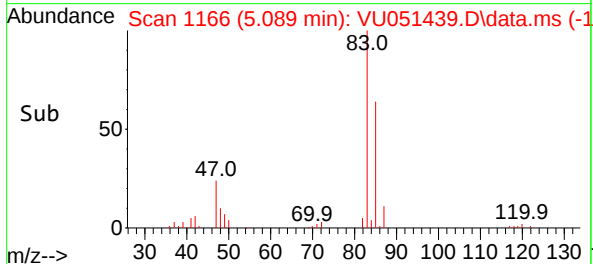
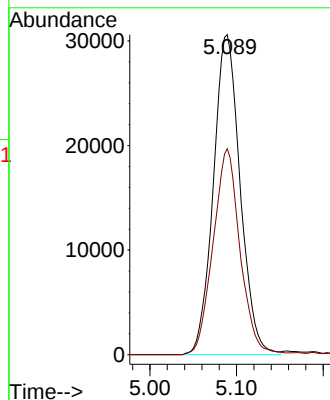
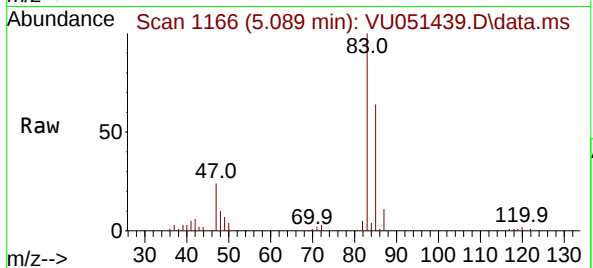
85 64.3 0.0 128.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/25/2022

Supervised By :Mahesh Dadoda 10/25/2022



#28

1,1,1-Trichloroethane

Concen: 1.780 ug/l

RT: 5.314 min Scan# 1236

Delta R.T. 0.000 min

Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

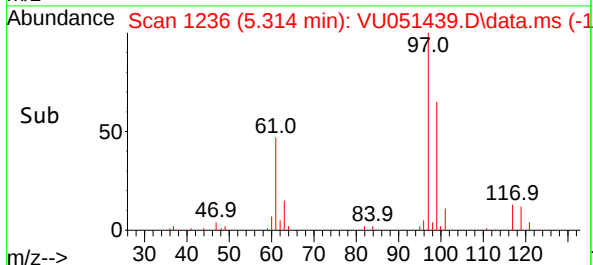
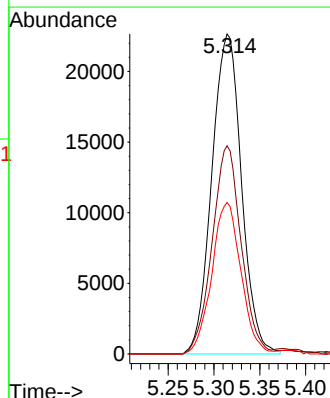
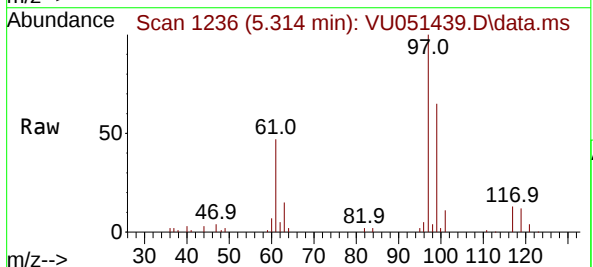
Tgt Ion: 97 Resp: 50958

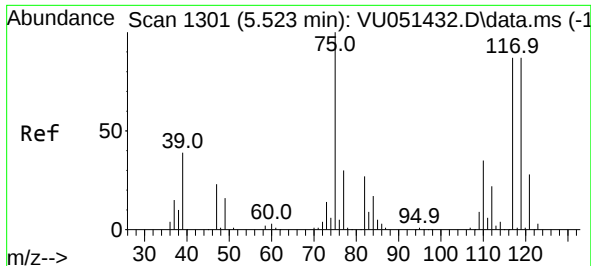
Ion Ratio Lower Upper

97 100

99 63.5 31.8 95.4

61 46.6 23.6 71.0





#29

1,1-Dichloropropene

Concen: 1.733 ug/l

RT: 5.523 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

Instrument :

MSVOA\_U

ClientSampleId :

VU1018WBS01

Tgt Ion: 75 Resp: 37990

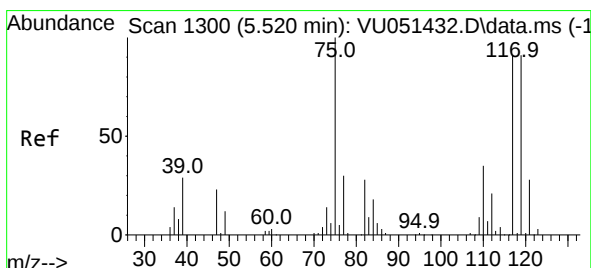
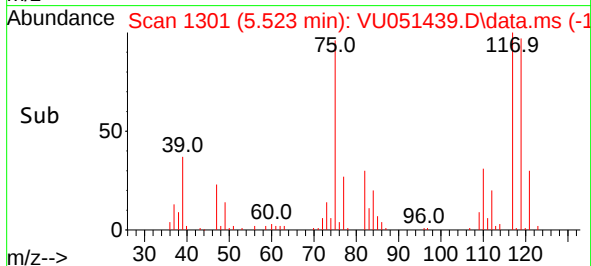
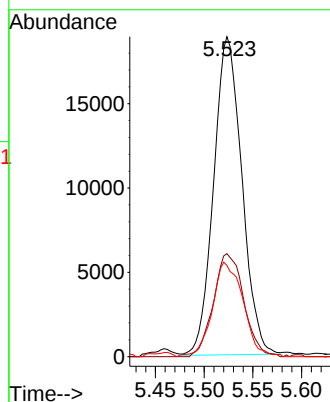
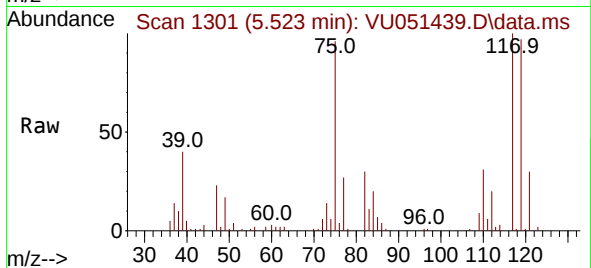
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 34.7  | 17.8  | 53.3  |
| 77  | 32.2  | 24.2  | 36.4  |

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/25/2022

Supervised By :Mahesh Dadoda 10/25/2022



#30

Carbon Tetrachloride

Concen: 1.781 ug/l

RT: 5.520 min Scan# 1300

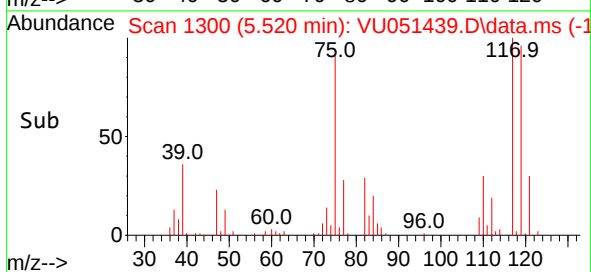
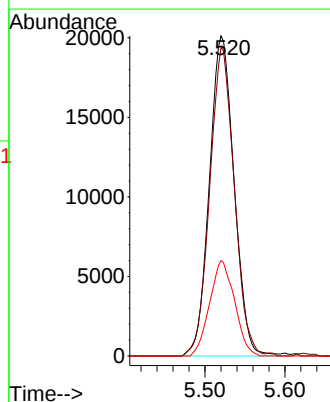
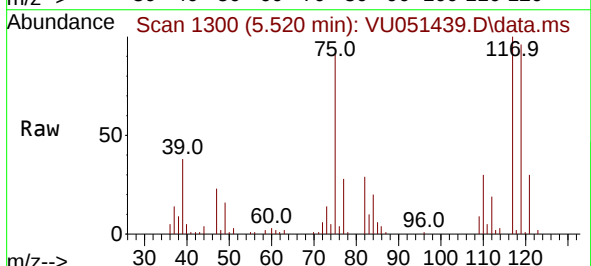
Delta R.T. 0.000 min

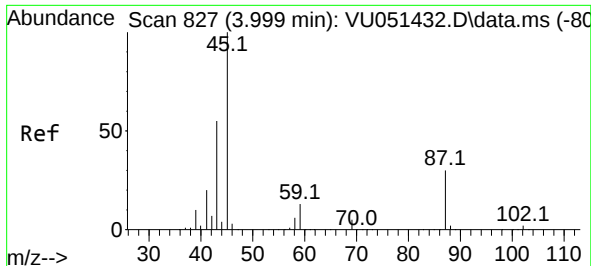
Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

Tgt Ion:117 Resp: 43032

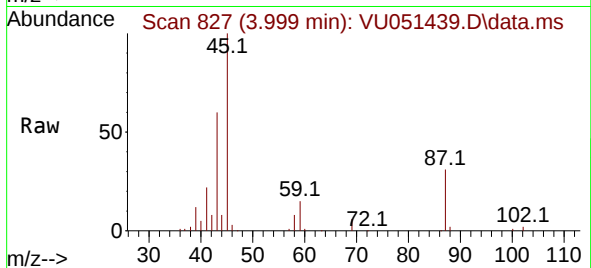
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 96.5  | 80.0  | 120.0 |
| 121 | 29.8  | 24.9  | 37.3  |





#31  
Isopropyl Ether  
Concen: 1.733 ug/l  
RT: 3.999 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

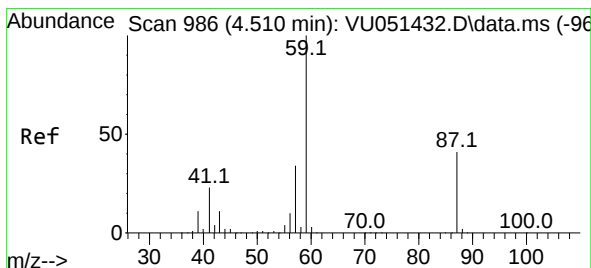
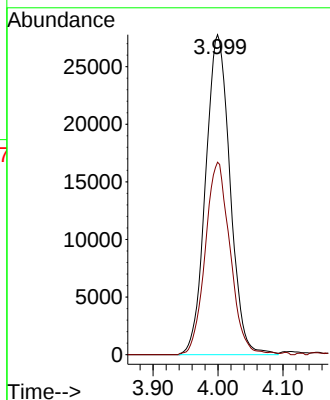
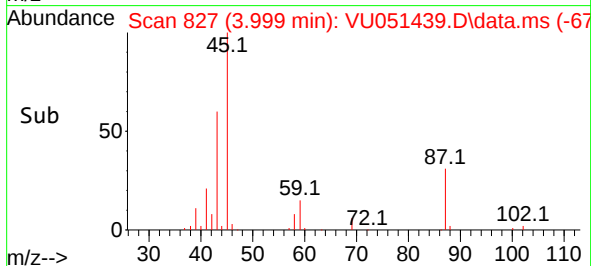
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01



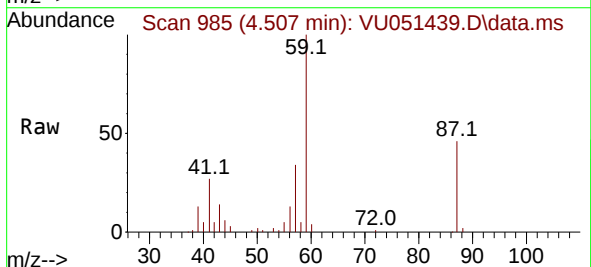
Tgt Ion: 45 Resp: 7260  
Ion Ratio Lower Upper  
45 100  
43 61.1 27.6 82.7

Manual Integrations  
APPROVED

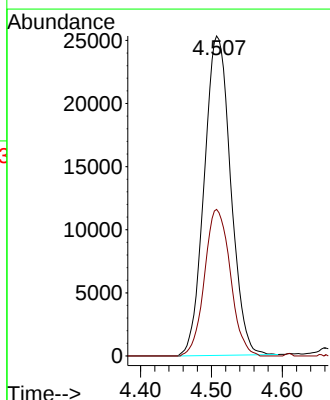
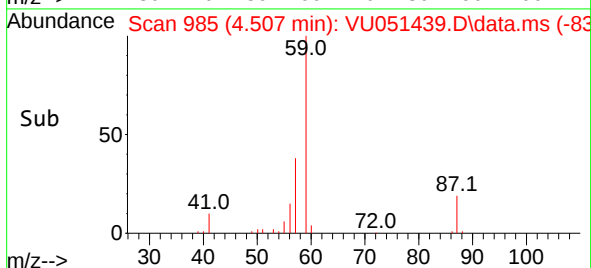
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022

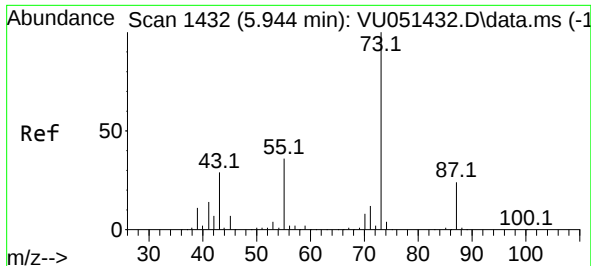


#32  
Ethyl-t-butyl ether  
Concen: 1.715 ug/l  
RT: 4.507 min Scan# 985  
Delta R.T. -0.003 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50



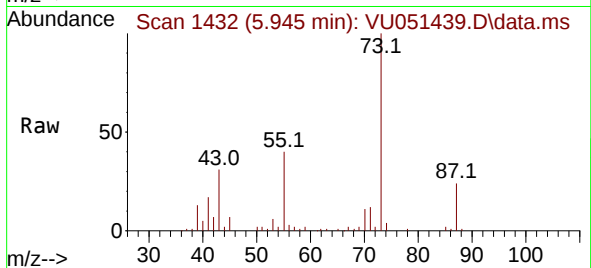
Tgt Ion: 59 Resp: 65590  
Ion Ratio Lower Upper  
59 100  
87 44.7 33.8 50.8





#33  
Tert-Amyl methyl ether  
Concen: 1.710 ug/l  
RT: 5.945 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

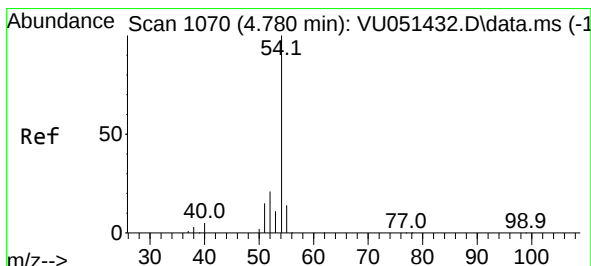
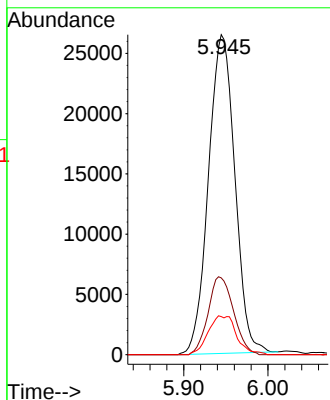
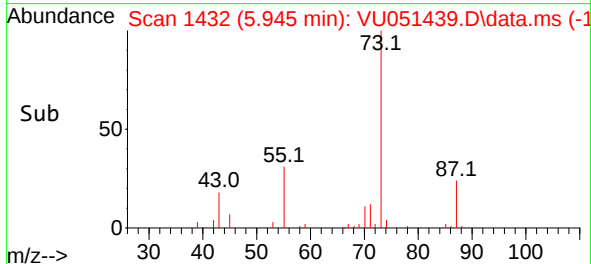
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01



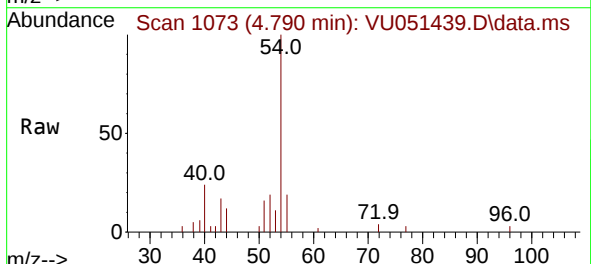
Tgt Ion: 73 Resp: 57486  
Ion Ratio Lower Upper  
73 100  
87 23.5 18.9 28.3  
71 13.1 9.4 14.2

Manual Integrations  
APPROVED

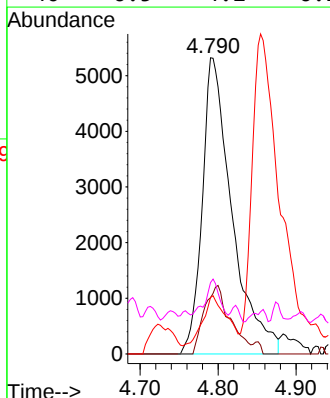
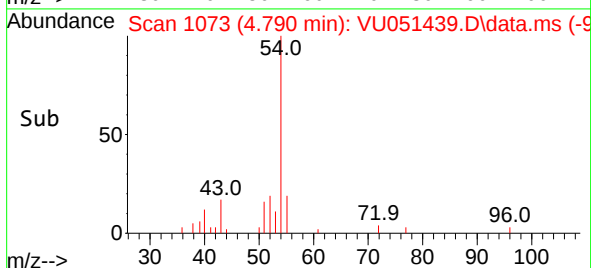
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022

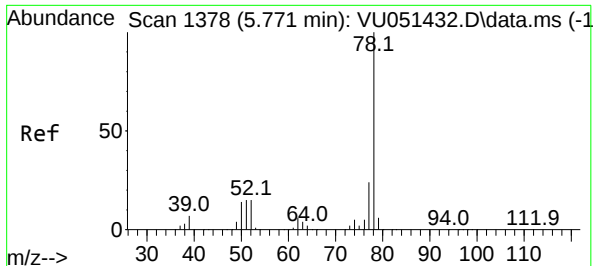


#34  
Propionitrile  
Concen: 9.498 ug/l  
RT: 4.790 min Scan# 1073  
Delta R.T. 0.010 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50



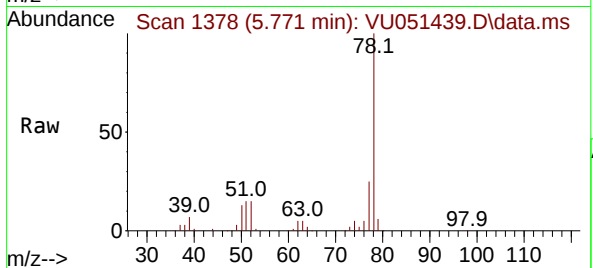
Tgt Ion: 54 Resp: 14104  
Ion Ratio Lower Upper  
54 100  
52 20.2 16.4 24.6  
55 14.5 11.5 17.3  
40 6.5 4.2 6.2#





#35  
Benzene  
Concen: 1.773 ug/l  
RT: 5.771 min Scan# 1378  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

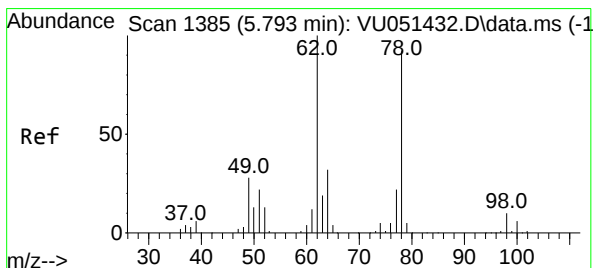
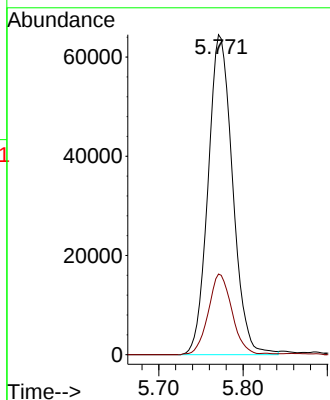
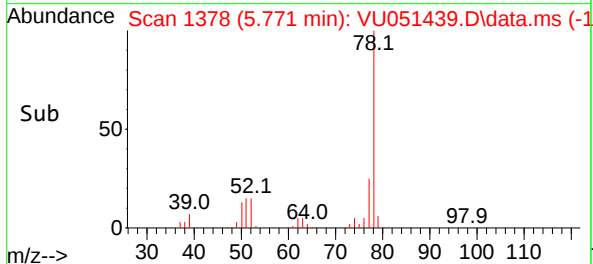
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01



Tgt Ion: 78 Resp: 130440  
Ion Ratio Lower Upper  
78 100  
77 25.2 19.0 28.6

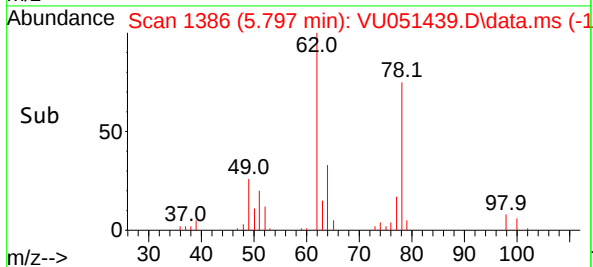
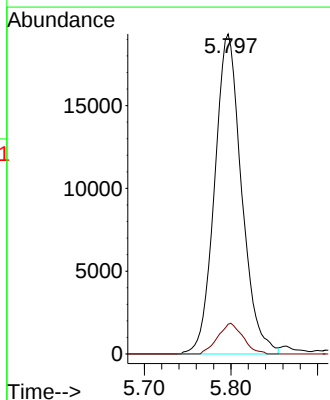
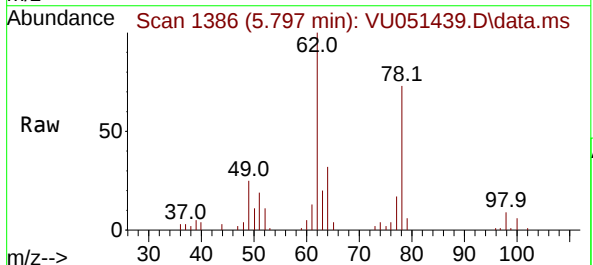
Manual Integrations  
APPROVED

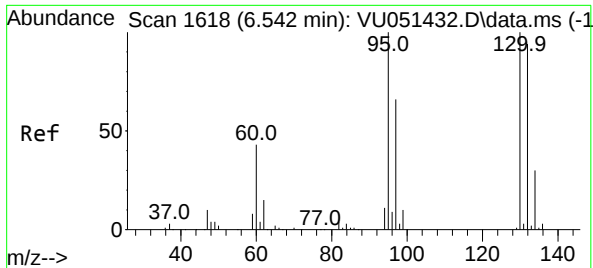
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022



#36  
1,2-Dichloroethane  
Concen: 1.841 ug/l  
RT: 5.797 min Scan# 1386  
Delta R.T. 0.003 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

Tgt Ion: 62 Resp: 41804  
Ion Ratio Lower Upper  
62 100  
98 8.9 7.4 11.2





#37

Trichloroethene

Concen: 1.796 ug/l

RT: 6.543 min Scan# 1618

Delta R.T. 0.000 min

Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

Instrument :

MSVOA\_U

ClientSampleId :

VU1018WBS01

Tgt Ion:130 Resp: 31018

Ion Ratio Lower Upper

130 100

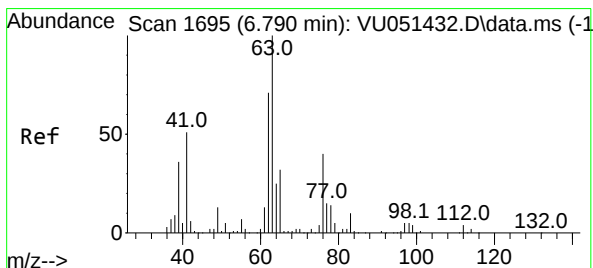
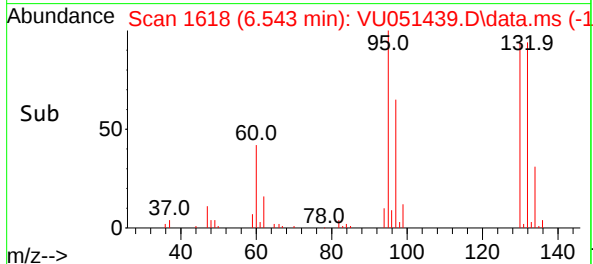
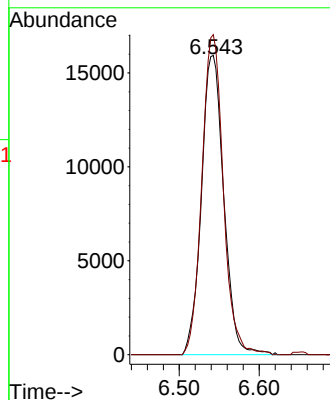
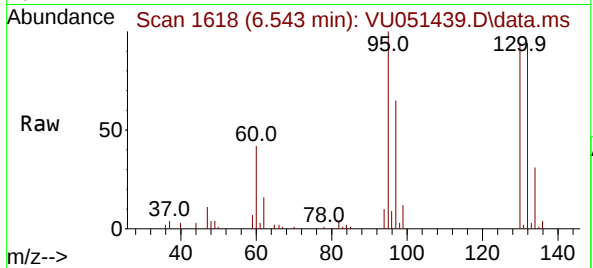
95 106.9 80.2 120.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/25/2022

Supervised By :Mahesh Dadoda 10/25/2022



#38

1,2-Dichloropropane

Concen: 1.790 ug/l

RT: 6.790 min Scan# 1695

Delta R.T. 0.000 min

Lab File: VU051439.D

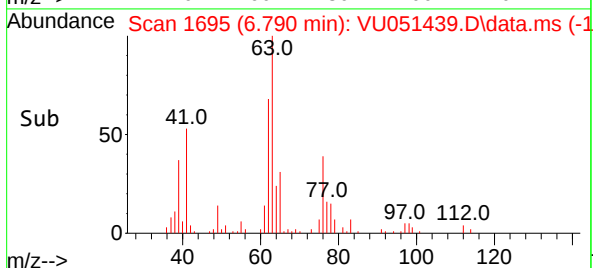
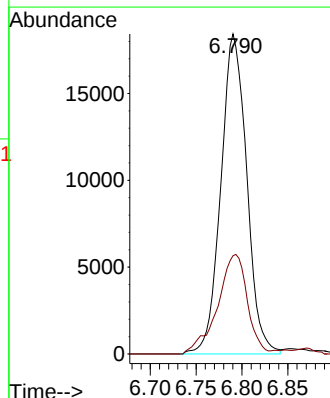
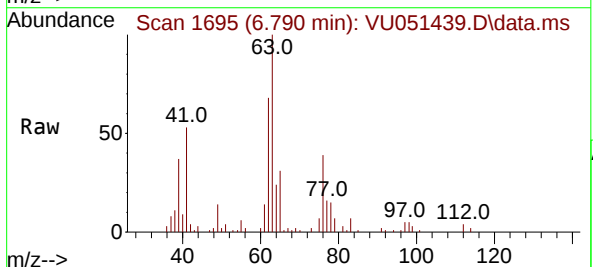
Acq: 18 Oct 2022 13:50

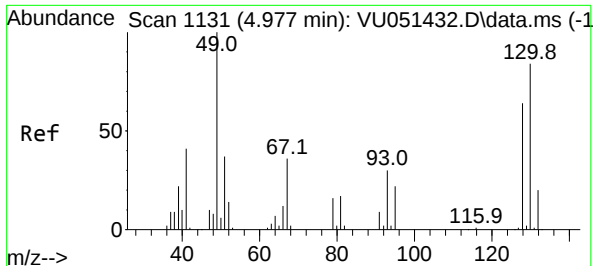
Tgt Ion: 63 Resp: 36135

Ion Ratio Lower Upper

63 100

65 30.7 25.4 38.2





#39

Methacrylonitrile

Concen: 1.725 ug/l

RT: 4.983 min Scan# 1131

Delta R.T. 0.007 min

Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

Instrument :

MSVOA\_U

ClientSampleId :

VU1018WBS01

Tgt Ion: 41 Resp: 8754

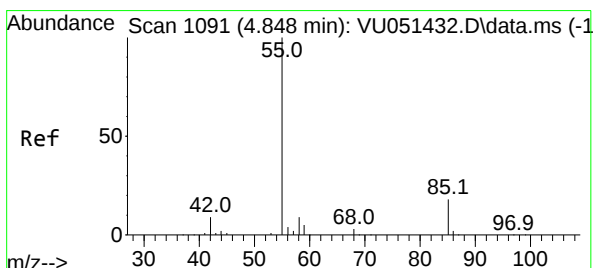
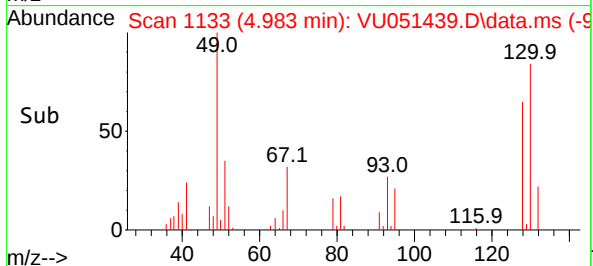
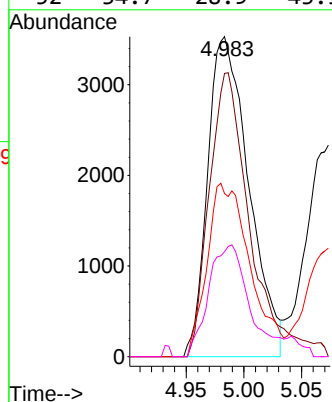
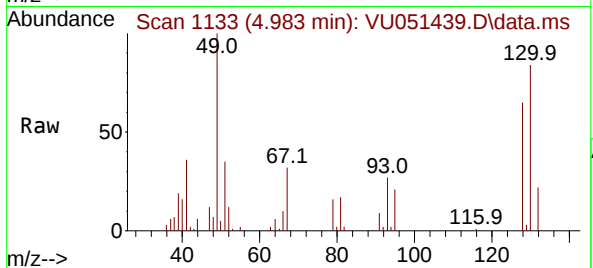
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 67  | 87.7  | 69.6  | 104.4 |
| 39  | 56.4  | 42.2  | 63.4  |
| 52  | 34.7  | 28.9  | 43.3  |

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/25/2022

Supervised By :Mahesh Dadoda 10/25/2022



#40

Methyl acrylate

Concen: 1.830 ug/l m

RT: 4.855 min Scan# 1093

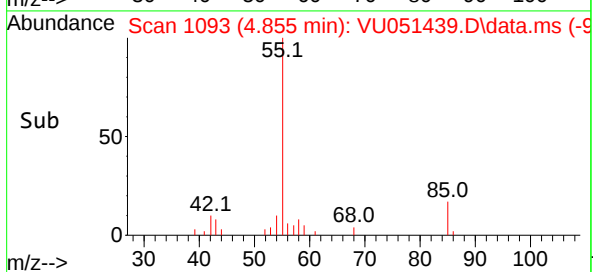
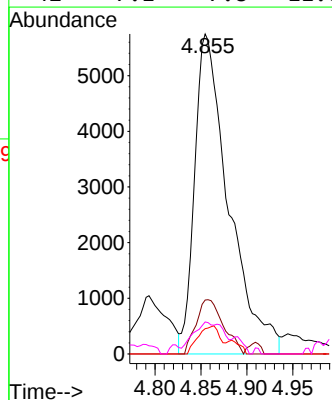
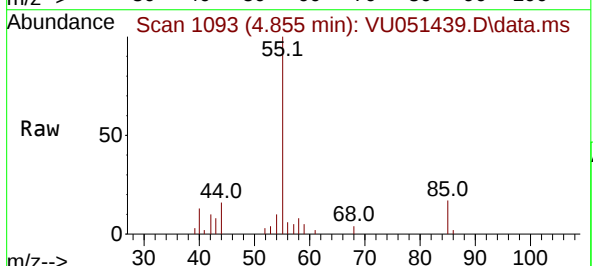
Delta R.T. 0.007 min

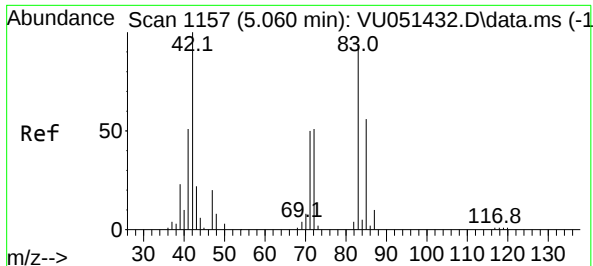
Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

Tgt Ion: 55 Resp: 14808

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 55  | 100   |       |       |
| 85  | 13.6  | 15.0  | 22.6# |
| 58  | 5.7   | 7.5   | 11.3# |
| 42  | 7.1   | 7.8   | 11.6# |





#41

Tetrahydrofuran

Concen: 3.420 ug/l

RT: 5.070 min Scan# 1157

Delta R.T. 0.010 min

Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

Instrument :

MSVOA\_U

ClientSampleId :

VU1018WBS01

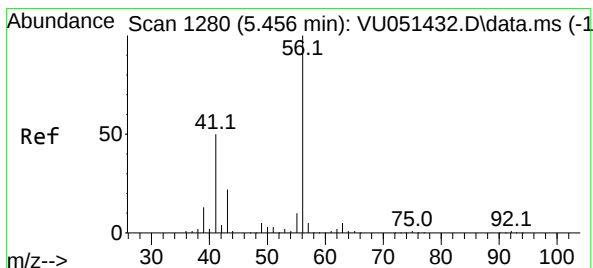
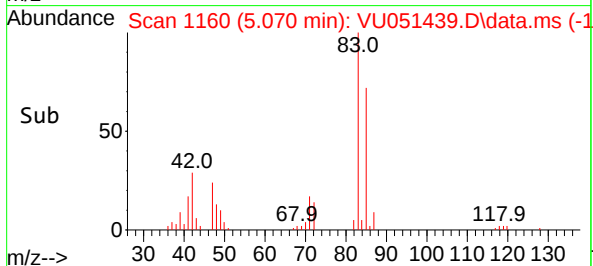
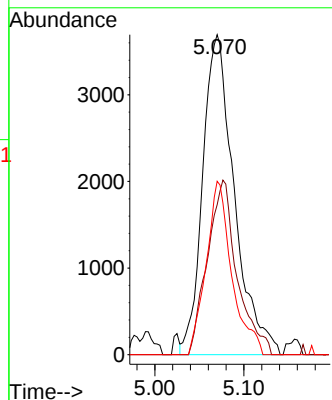
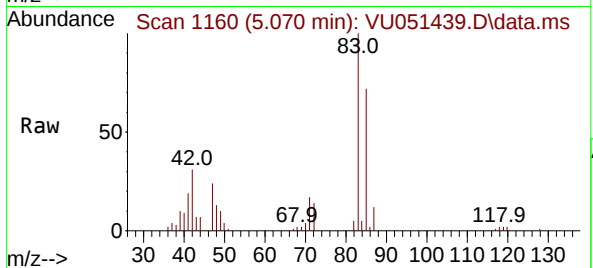
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 42    | Resp: | 911  |
| Ion Ratio | Lower | Upper |      |
| 42        | 100   |       |      |
| 72        | 51.2  | 42.6  | 64.0 |
| 71        | 43.8  | 38.3  | 57.5 |

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/25/2022

Supervised By :Mahesh Dadoda 10/25/2022



#42

1-Chlorobutane

Concen: 1.663 ug/l

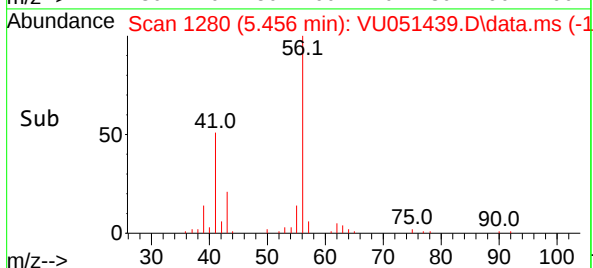
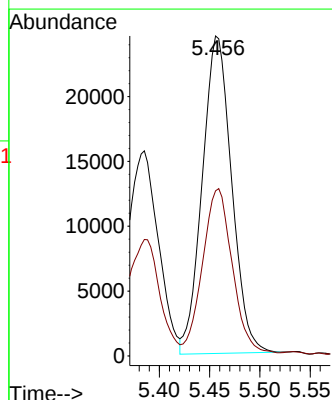
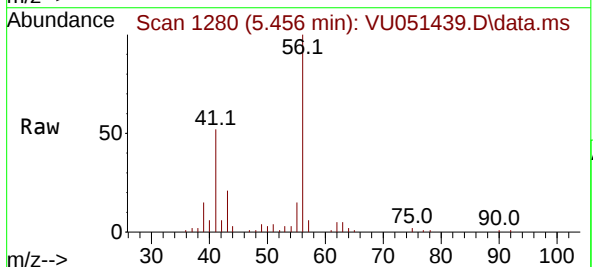
RT: 5.456 min Scan# 1280

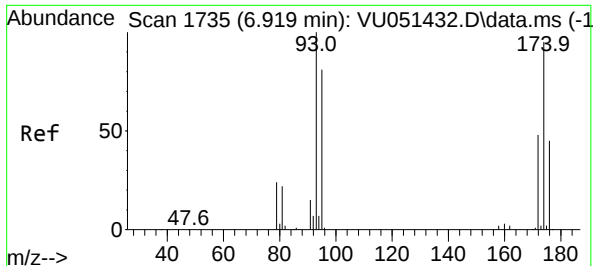
Delta R.T. 0.000 min

Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

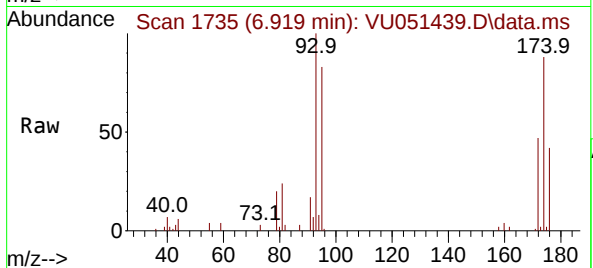
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 56    | Resp: | 49757 |
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 41        | 52.3  | 24.8  | 74.4  |





#43  
Dibromomethane  
Concen: 1.831 ug/l  
RT: 6.919 min Scan# 1735  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

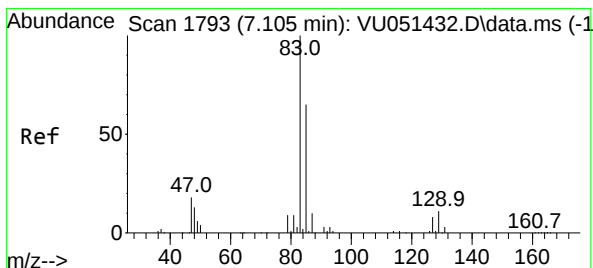
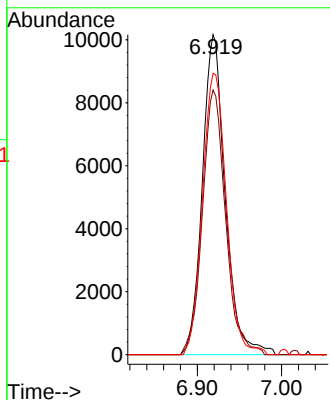
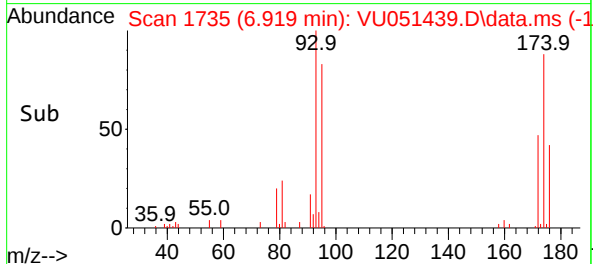
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01



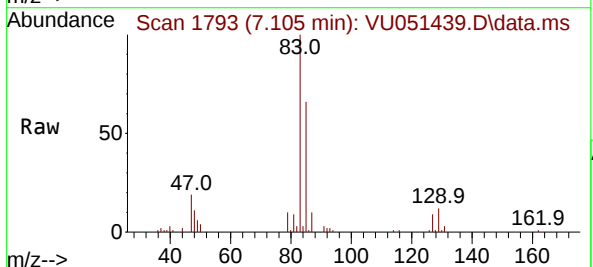
Tgt Ion: 93 Resp: 1918  
Ion Ratio Lower Upper  
93 100  
95 83.9 66.7 100.1  
174 91.9 75.5 113.3

Manual Integrations  
APPROVED

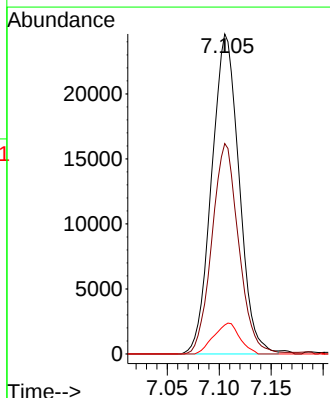
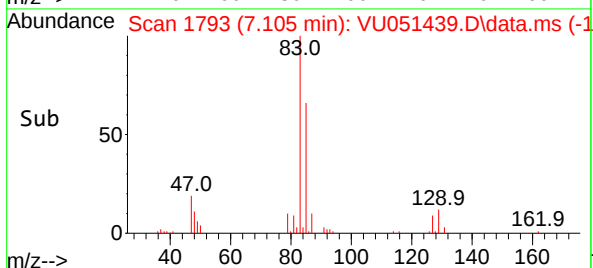
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022



#44  
Bromodichloromethane  
Concen: 1.781 ug/l  
RT: 7.105 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50



Tgt Ion: 83 Resp: 45159  
Ion Ratio Lower Upper  
83 100  
85 65.8 52.1 78.1  
127 9.0 6.8 10.2





#45

4-Methyl-2-Pentanone

Concen: 8.060 ug/l

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

Instrument :

MSVOA\_U

ClientSampleId :

VU1018WBS01

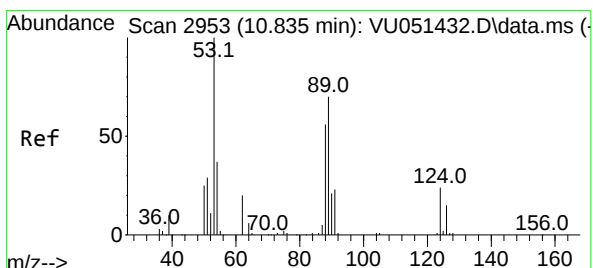
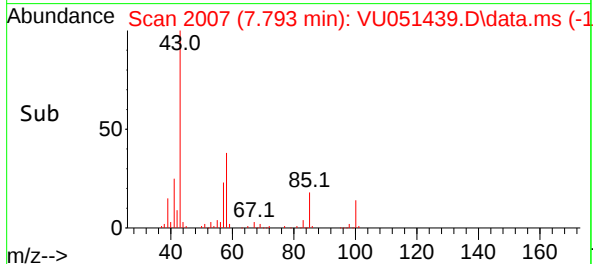
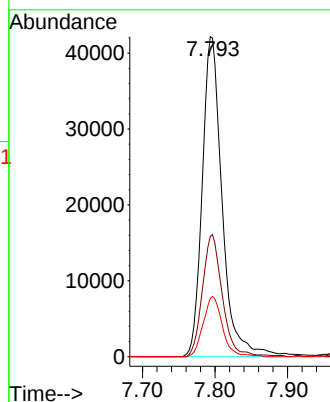
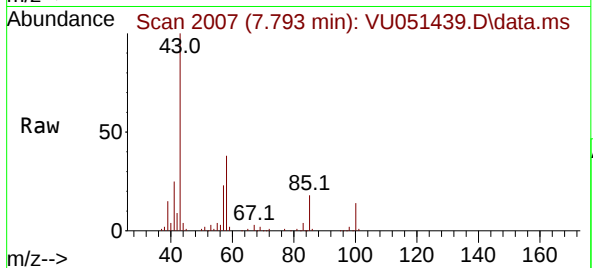
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 43    | Resp: | 8037 |
| Ion Ratio | Lower | Upper |      |
| 43        | 100   |       |      |
| 58        | 38.3  | 21.4  | 64.3 |
| 85        | 18.2  | 15.4  | 23.0 |

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/25/2022

Supervised By :Mahesh Dadoda 10/25/2022



#46

t-1,4-Dichloro-2-butene

Concen: 3.965 ug/l m

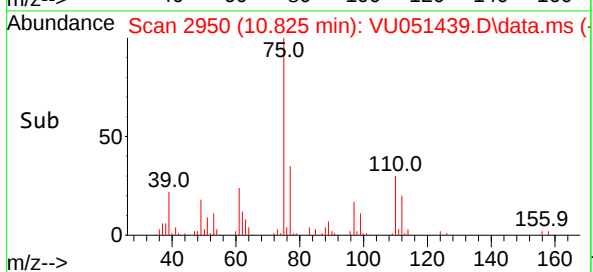
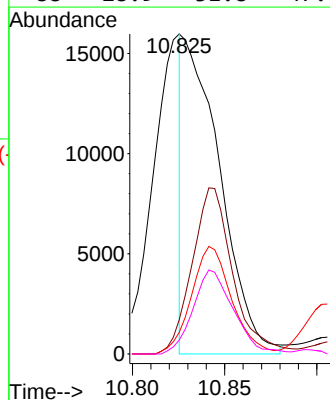
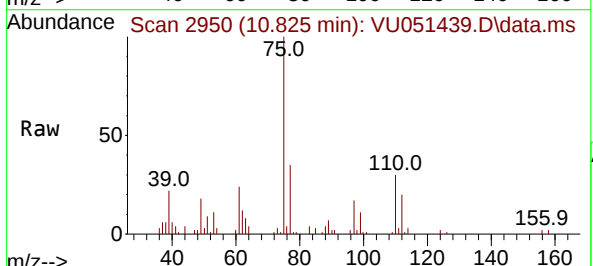
RT: 10.825 min Scan# 2950

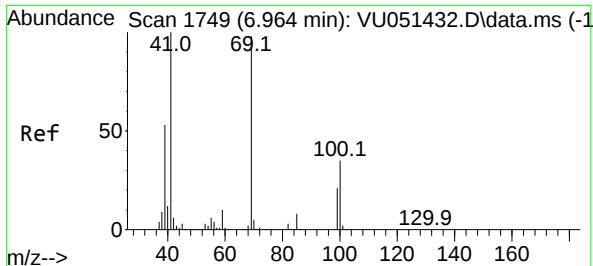
Delta R.T. -0.010 min

Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 22067 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 53        | 58.0  | 61.1  | 91.7# |
| 89        | 36.8  | 41.0  | 61.6# |
| 88        | 28.9  | 31.8  | 47.8# |





#47

Methyl methacrylate

Concen: 3.417 ug/l

RT: 6.964 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

Instrument :

MSVOA\_U

ClientSampleId :

VU1018WBS01

Tgt Ion: 69 Resp: 2507

Ion Ratio Lower Upper

69 100

41 103.4 0.0 200.8

39 53.8 44.1 66.1

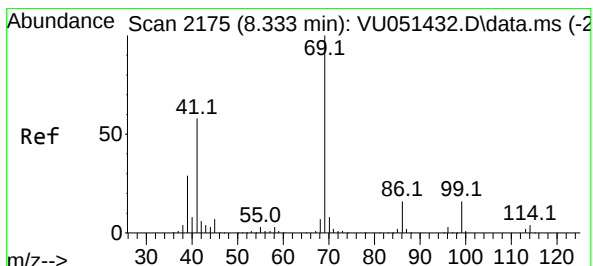
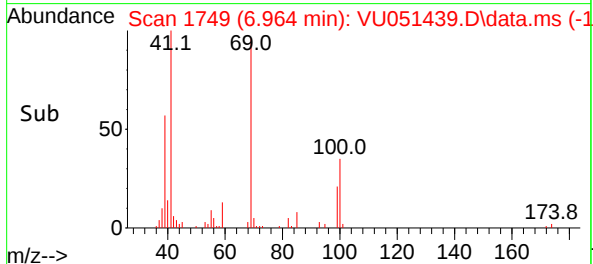
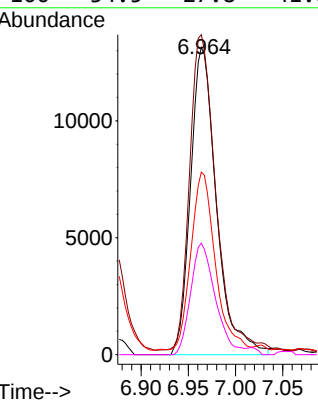
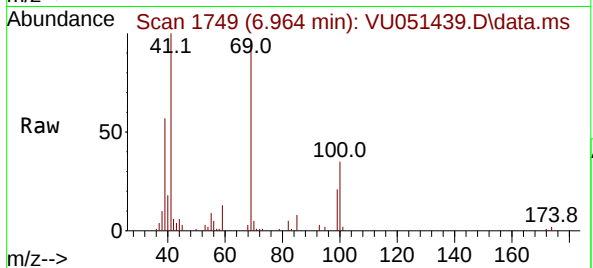
100 34.5 27.8 41.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/25/2022

Supervised By :Mahesh Dadoda 10/25/2022



#48

Ethyl methacrylate

Concen: 1.753 ug/l

RT: 8.337 min Scan# 2176

Delta R.T. 0.004 min

Lab File: VU051439.D

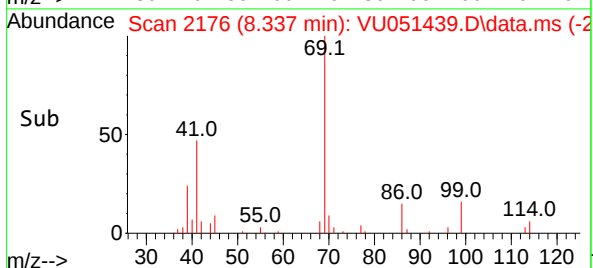
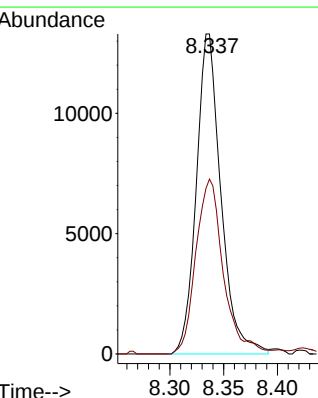
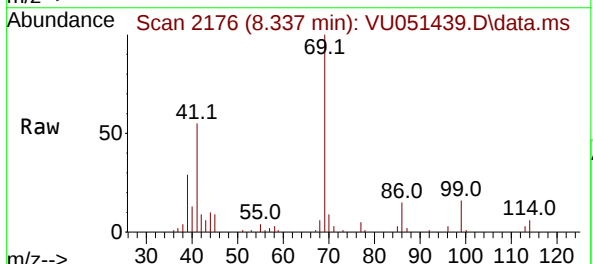
Acq: 18 Oct 2022 13:50

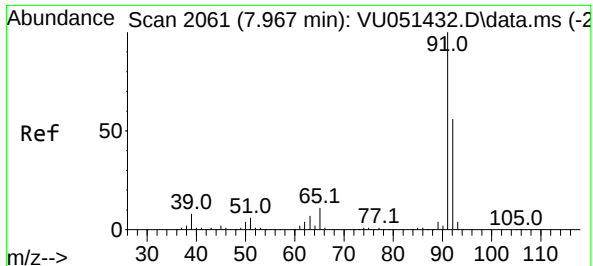
Tgt Ion: 69 Resp: 21187

Ion Ratio Lower Upper

69 100

41 60.8 28.8 86.5





#49

Toluene

Concen: 1.664 ug/l

RT: 7.970 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

Instrument :

MSVOA\_U

ClientSampleId :

VU1018WBS01

Tgt Ion: 92 Resp: 6714

Ion Ratio Lower Upper

92 100

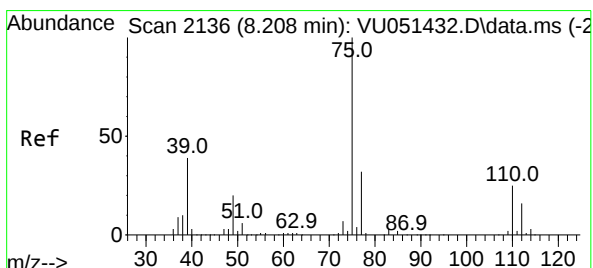
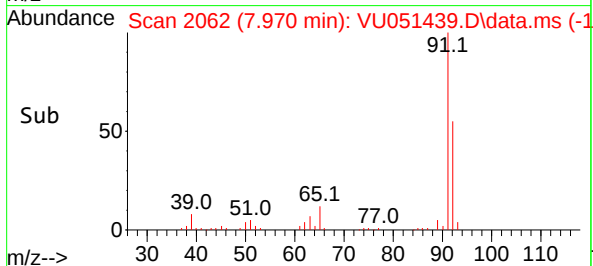
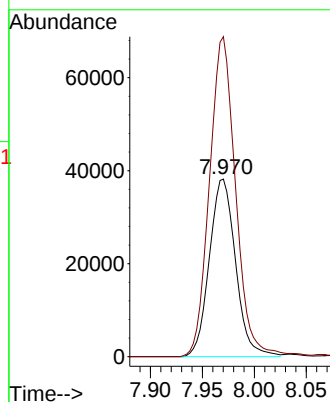
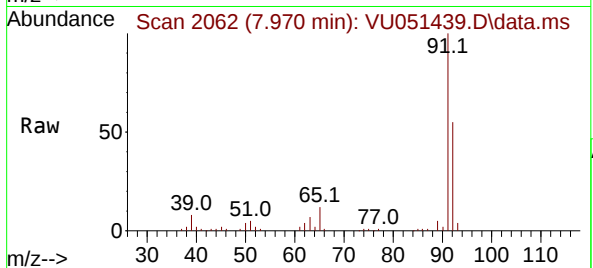
91 180.0 141.8 212.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/25/2022

Supervised By :Mahesh Dadoda 10/25/2022



#50

t-1,3-Dichloropropene

Concen: 1.771 ug/l

RT: 8.211 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VU051439.D

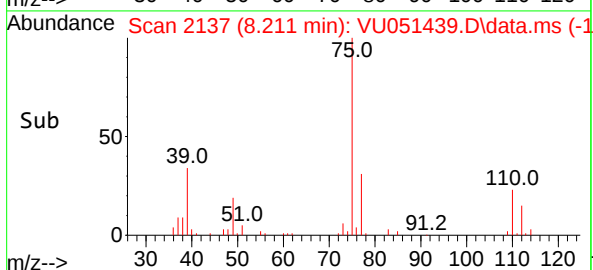
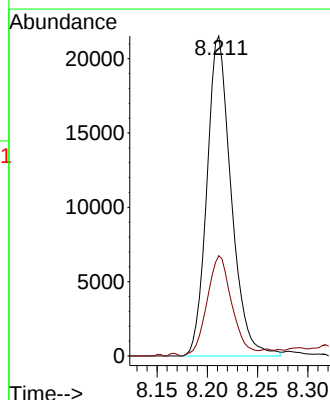
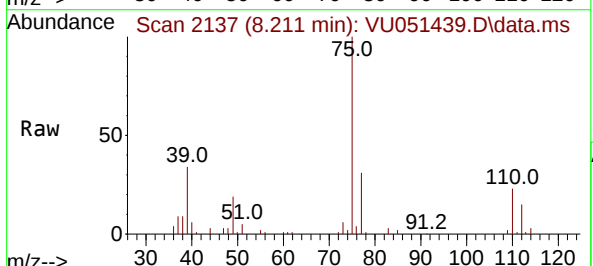
Acq: 18 Oct 2022 13:50

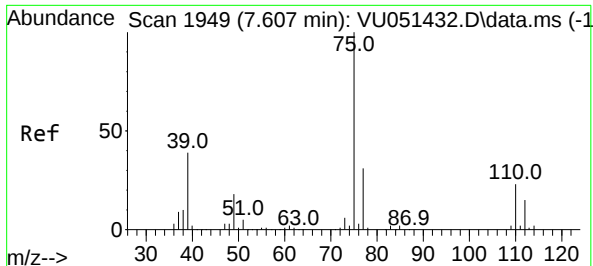
Tgt Ion: 75 Resp: 36120

Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.6





#51

cis-1,3-Dichloropropene

Concen: 1.713 ug/l

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

Instrument :

MSVOA\_U

ClientSampleId :

VU1018WBS01

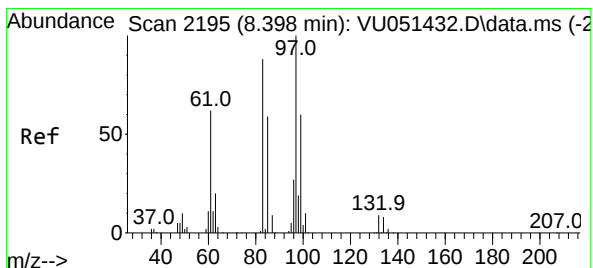
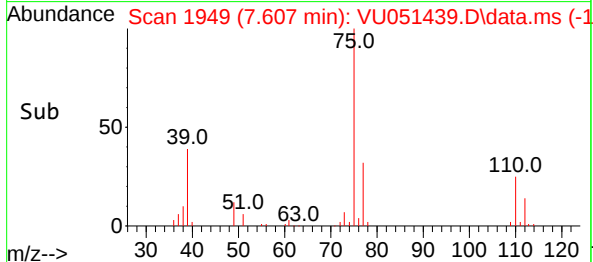
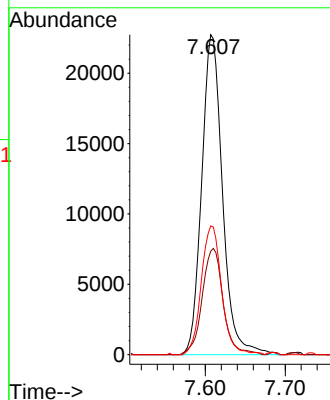
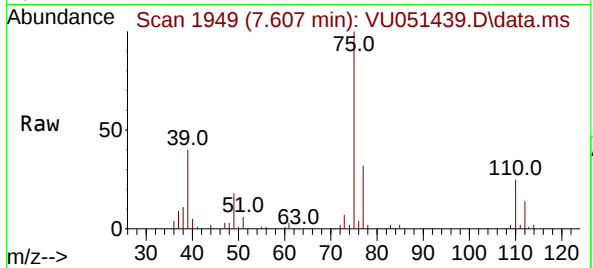
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 41184 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 32.3  | 25.1  | 37.7  |
| 39        | 40.3  | 31.4  | 47.0  |

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/25/2022

Supervised By :Mahesh Dadoda 10/25/2022



#52

1,1,2-Trichloroethane

Concen: 1.764 ug/l

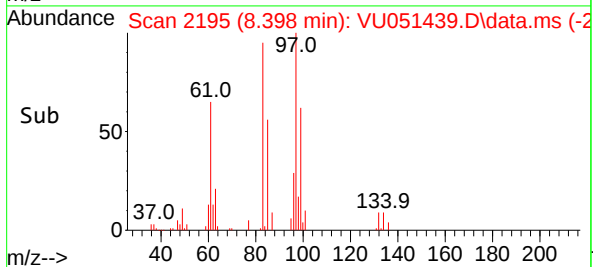
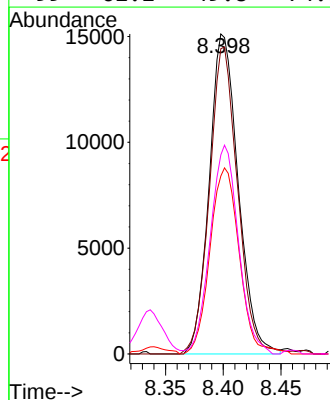
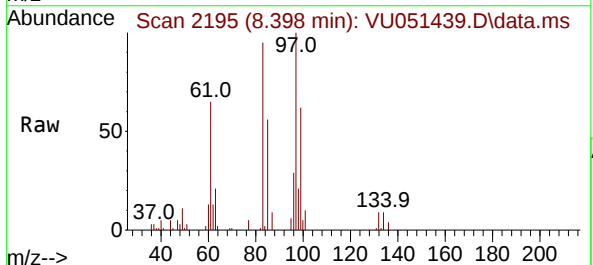
RT: 8.398 min Scan# 2195

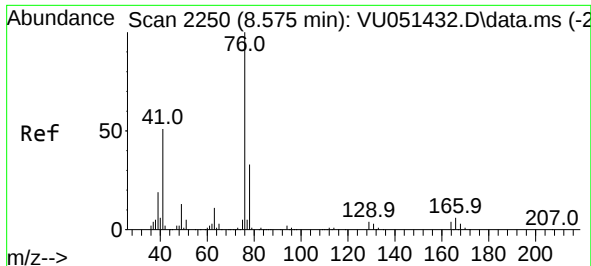
Delta R.T. -0.000 min

Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 97    | Resp: | 26384 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 83        | 95.4  | 70.6  | 105.8 |
| 85        | 55.6  | 47.0  | 70.4  |
| 99        | 62.2  | 49.8  | 74.8  |





#53

1,3-Dichloropropane

Concen: 1.786 ug/l

RT: 8.575 min Scan# 2250

Delta R.T. 0.000 min

Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

Instrument :

MSVOA\_U

ClientSampleId :

VU1018WBS01

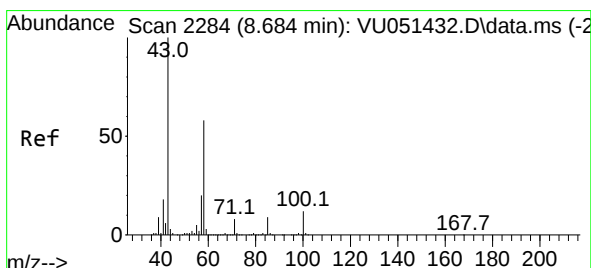
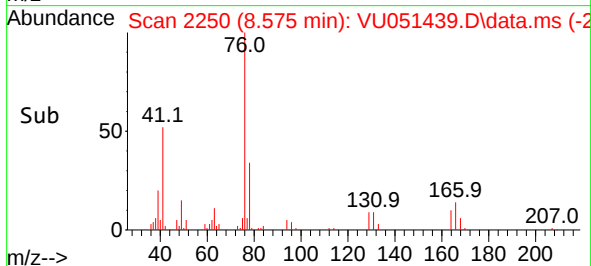
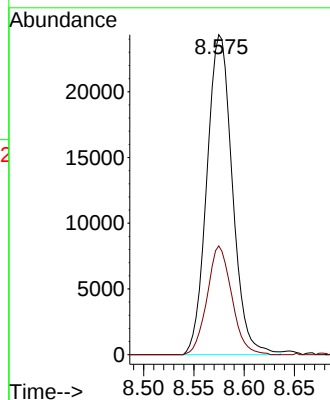
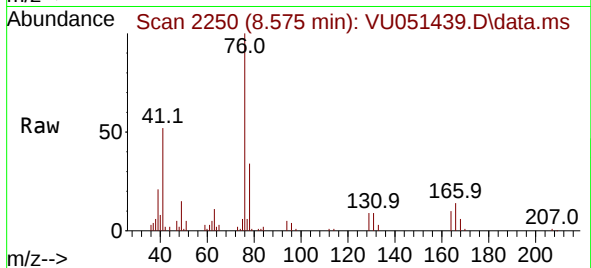
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 76    | Resp: | 4304 |
| Ion Ratio | Lower | Upper |      |
| 76        | 100   |       |      |
| 78        | 32.7  | 26.4  | 39.6 |

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/25/2022

Supervised By :Mahesh Dadoda 10/25/2022



#54

2-Hexanone

Concen: 8.476 ug/l

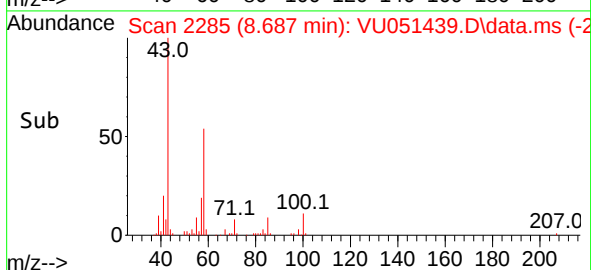
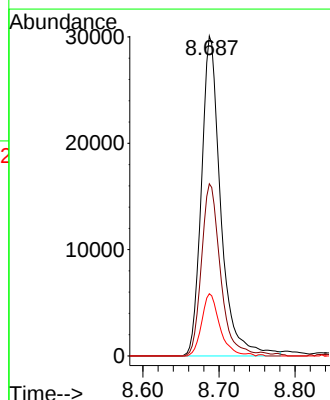
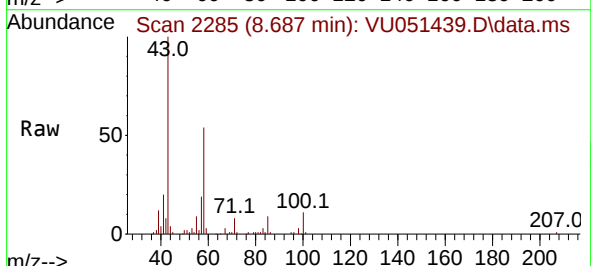
RT: 8.687 min Scan# 2285

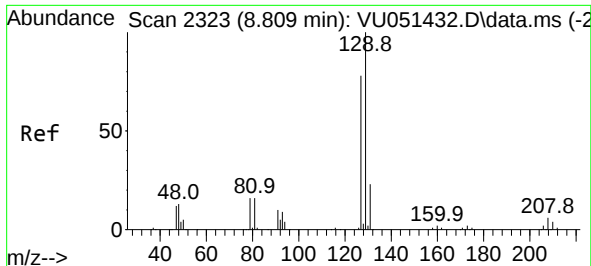
Delta R.T. 0.003 min

Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

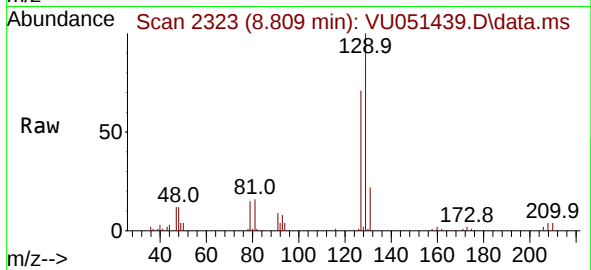
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 53131 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 52.7  | 38.0  | 78.0  |
| 57        | 18.1  | 0.0   | 39.9  |





#55  
Dibromochloromethane  
Concen: 1.800 ug/l  
RT: 8.809 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

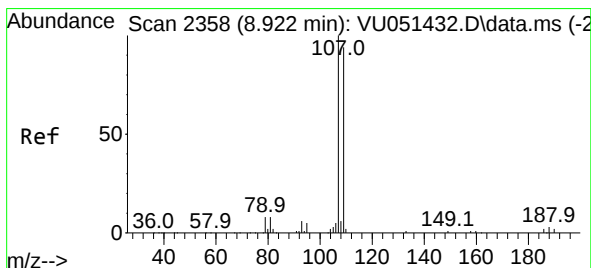
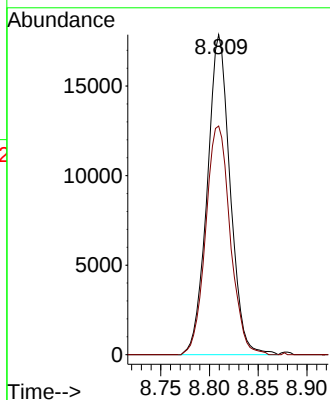
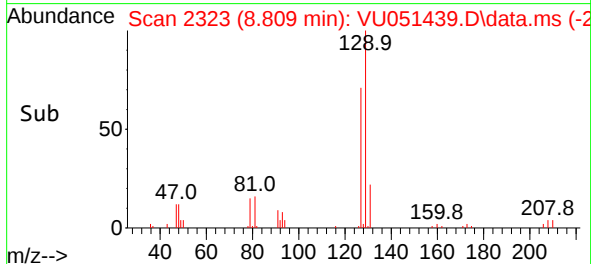
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01



Tgt Ion:129 Resp: 29284  
Ion Ratio Lower Upper  
129 100  
127 76.6 62.1 93.1

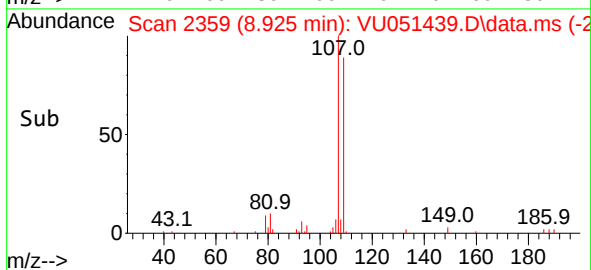
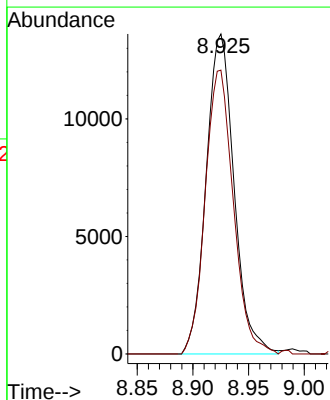
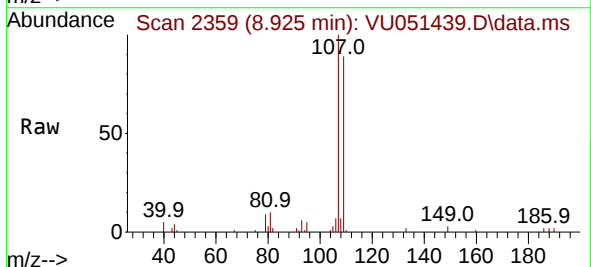
Manual Integrations  
APPROVED

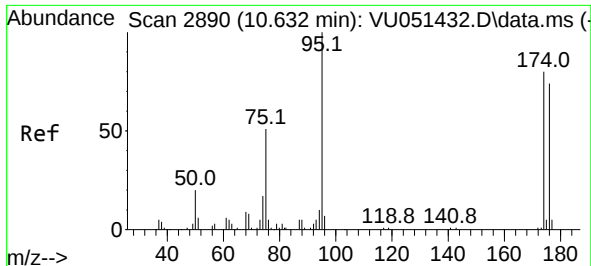
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022



#56  
1,2-Dibromoethane  
Concen: 1.808 ug/l  
RT: 8.925 min Scan# 2359  
Delta R.T. 0.003 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

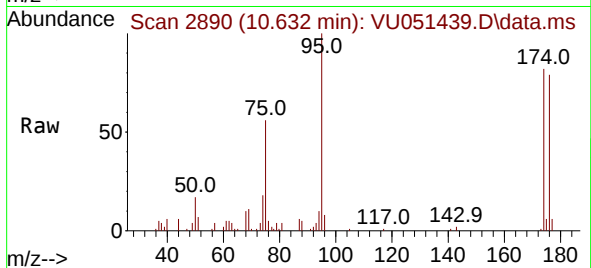
Tgt Ion:107 Resp: 23775  
Ion Ratio Lower Upper  
107 100  
109 89.4 0.0 190.6





#57  
4-Bromofluorobenzene  
Concen: 0.898 ug/l  
RT: 10.632 min Scan# 2890  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

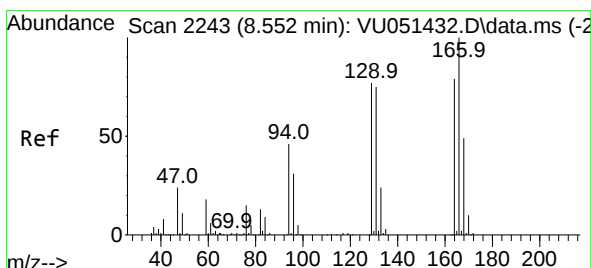
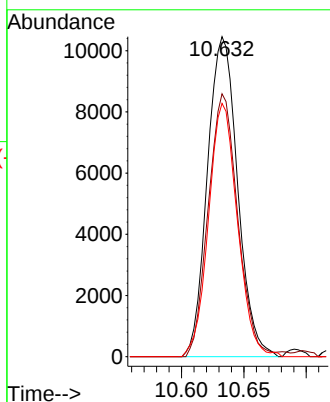
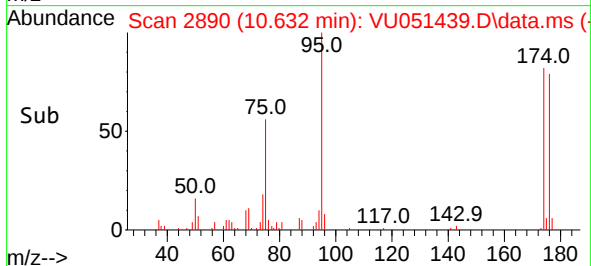
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01



Tgt Ion: 95 Resp: 17628  
Ion Ratio Lower Upper  
95 100  
174 80.3 63.0 94.6  
176 75.7 59.8 89.6

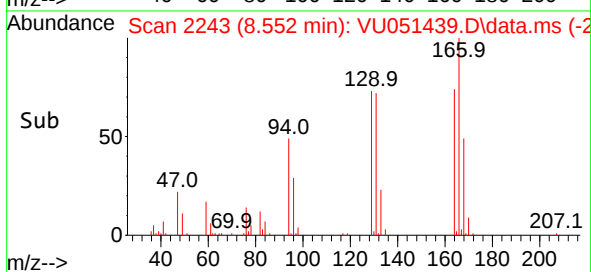
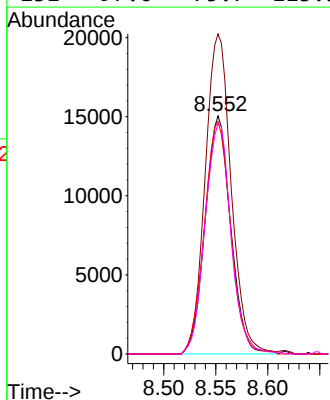
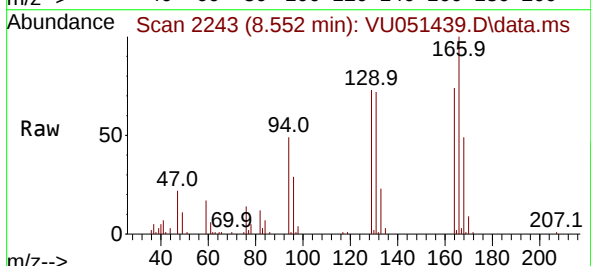
Manual Integrations  
APPROVED

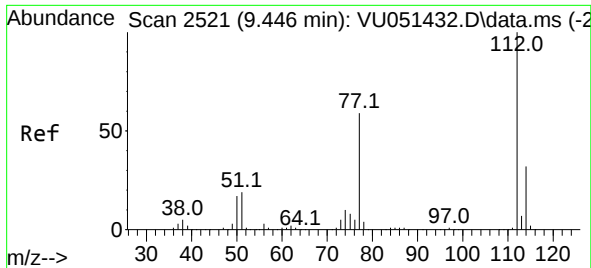
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022



#58  
Tetrachloroethene  
Concen: 1.712 ug/l  
RT: 8.552 min Scan# 2243  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

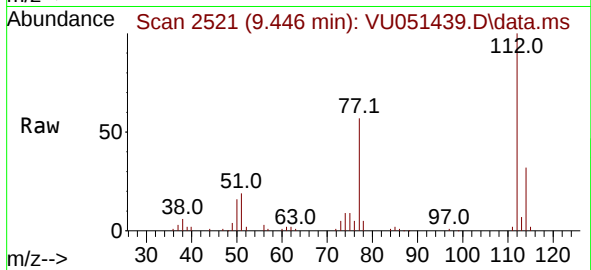
Tgt Ion:164 Resp: 25761  
Ion Ratio Lower Upper  
164 100  
166 134.4 100.9 151.3  
129 97.6 77.5 116.3  
131 97.0 75.7 113.5





#59  
Chlorobenzene  
Concen: 1.717 ug/l  
RT: 9.446 min Scan# 2521  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

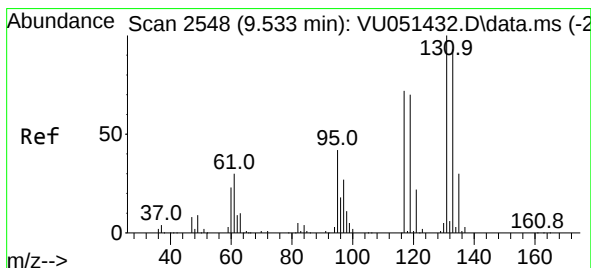
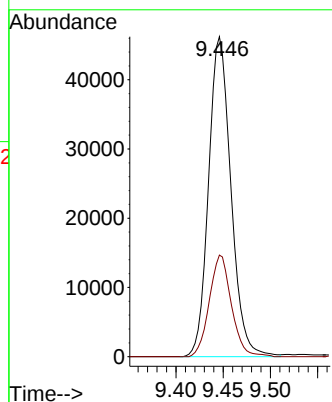
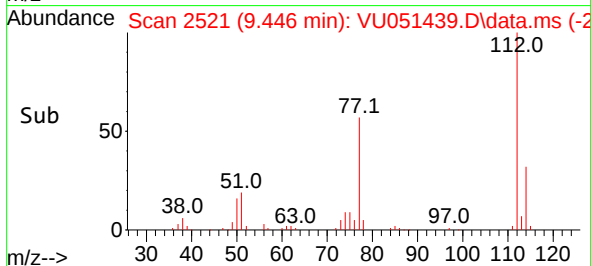
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01



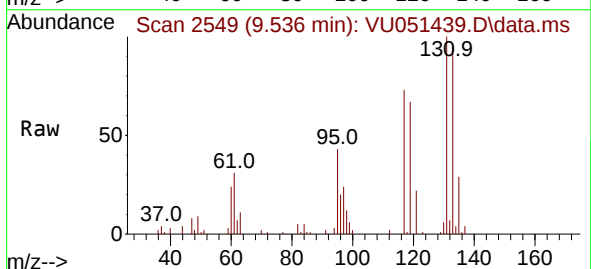
Tgt Ion:112 Resp: 76072  
Ion Ratio Lower Upper  
112 100  
114 31.8 25.8 38.6

Manual Integrations  
APPROVED

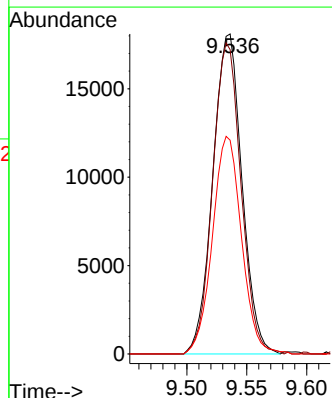
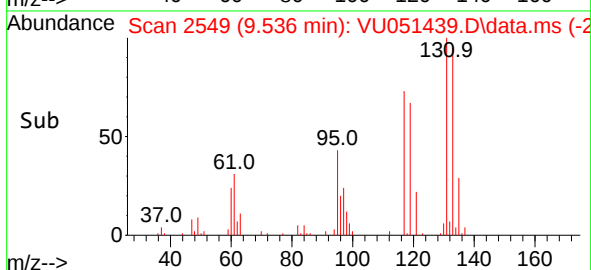
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022

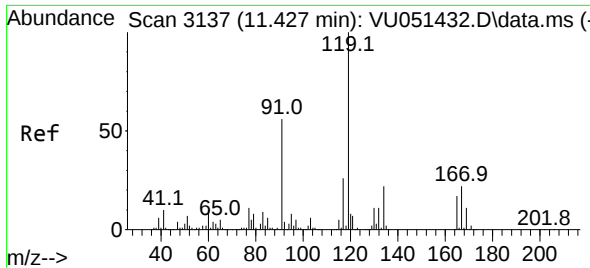


#60  
1,1,1,2-Tetrachloroethane  
Concen: 1.806 ug/l  
RT: 9.536 min Scan# 2549  
Delta R.T. 0.003 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50



Tgt Ion:131 Resp: 30657  
Ion Ratio Lower Upper  
131 100  
133 94.4 76.5 114.7  
119 67.7 56.5 84.7





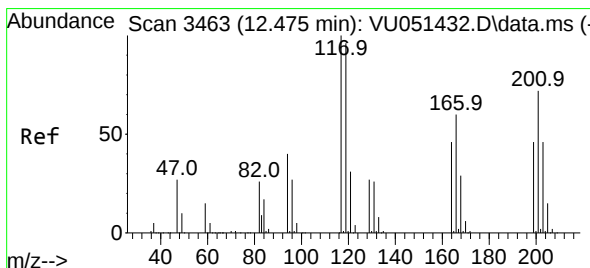
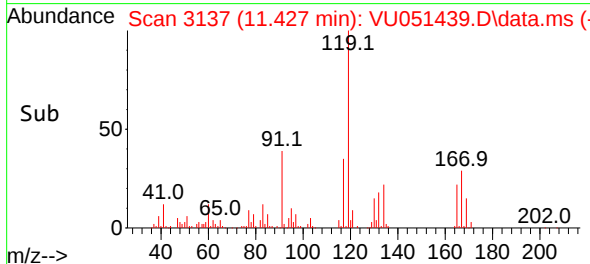
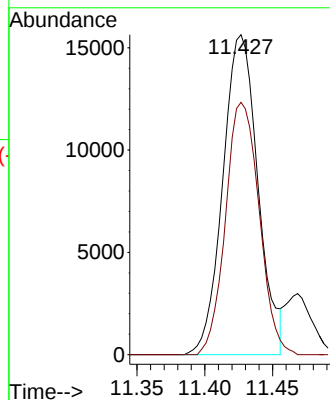
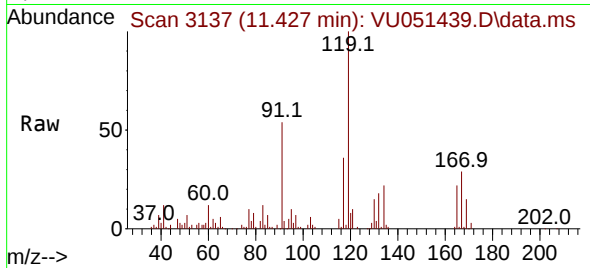
#61  
Pentachloroethane  
Concen: 1.865 ug/l  
RT: 11.427 min Scan# 3137  
Delta R.T. -0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01

Tgt Ion:117 Resp: 28204  
Ion Ratio Lower Upper  
117 100  
167 75.5 63.3 94.9

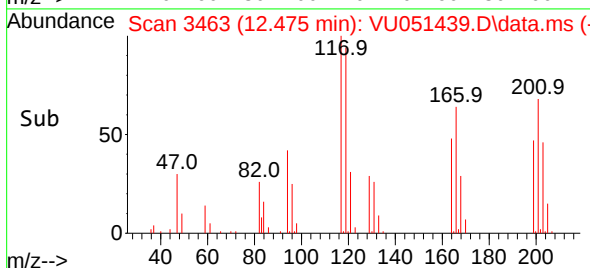
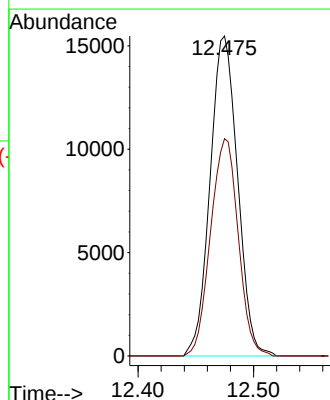
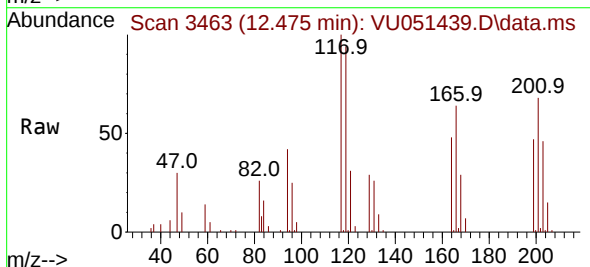
Manual Integrations  
APPROVED

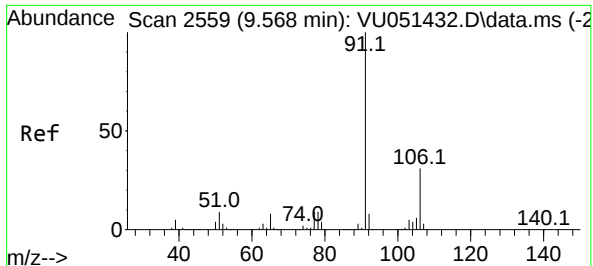
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022



#62  
Hexachloroethane  
Concen: 1.784 ug/l  
RT: 12.475 min Scan# 3463  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

Tgt Ion:117 Resp: 25620  
Ion Ratio Lower Upper  
117 100  
201 68.2 57.4 86.2





#63

Ethyl Benzene

Concen: 1.762 ug/l

RT: 9.568 min Scan# 2559

Delta R.T. 0.000 min

Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

Instrument :

MSVOA\_U

ClientSampleId :

VU1018WBS01

Tgt Ion: 91 Resp: 104874

Ion Ratio Lower Upper

91 100

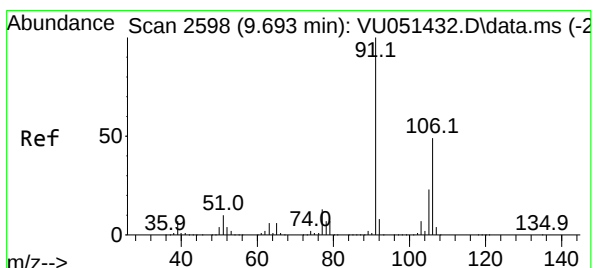
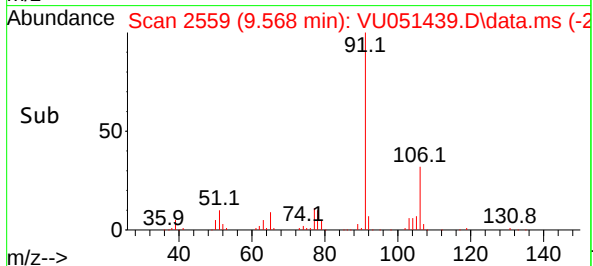
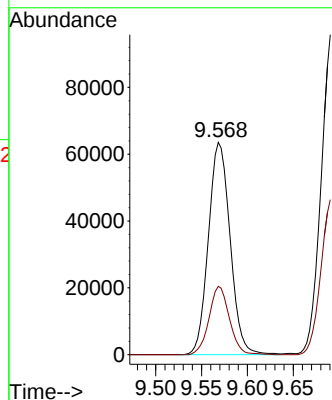
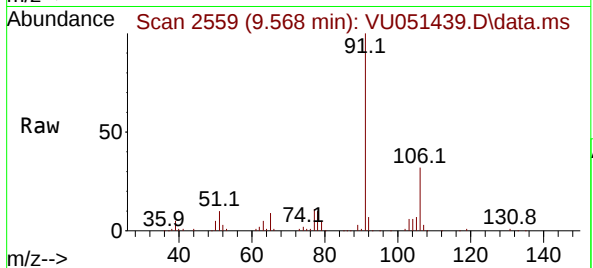
106 32.2 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/25/2022

Supervised By :Mahesh Dadoda 10/25/2022



#64

m/p-Xylenes

Concen: 3.339 ug/l

RT: 9.694 min Scan# 2598

Delta R.T. 0.001 min

Lab File: VU051439.D

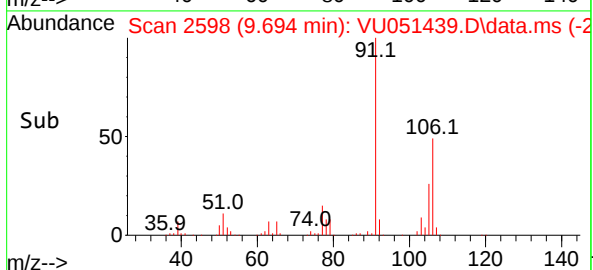
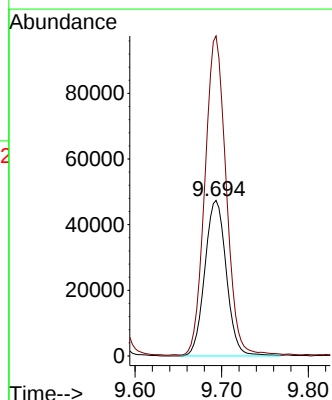
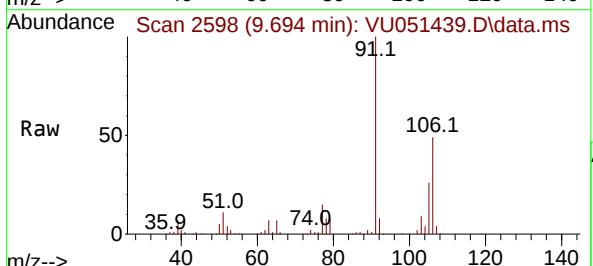
Acq: 18 Oct 2022 13:50

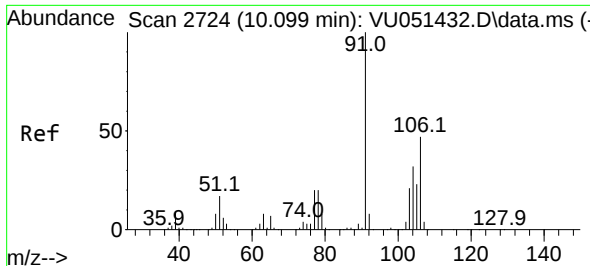
Tgt Ion:106 Resp: 81872

Ion Ratio Lower Upper

106 100

91 202.1 163.2 244.8





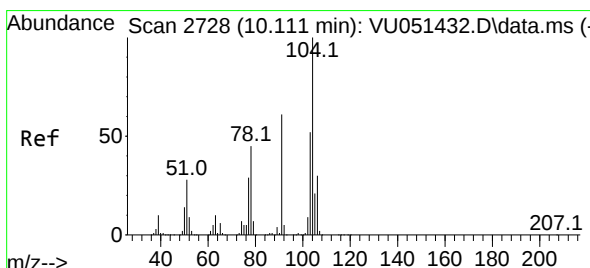
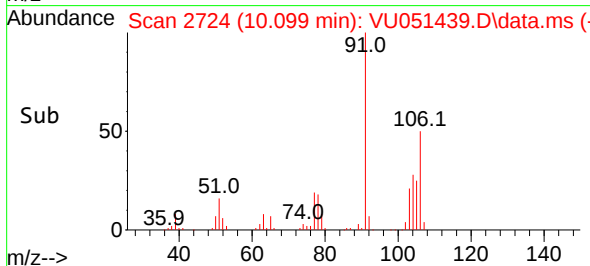
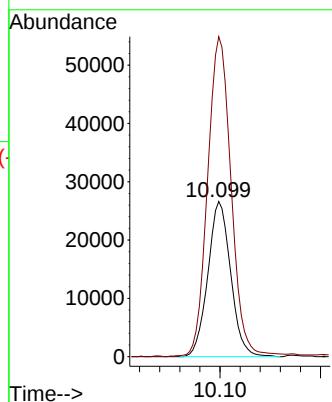
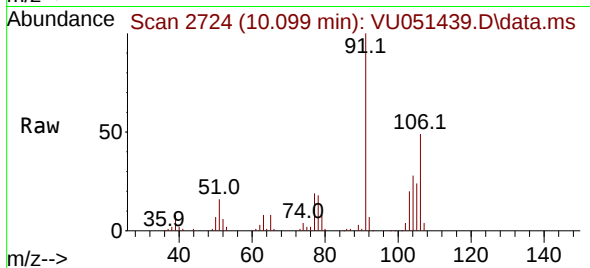
#65  
o-Xylene  
Concen: 1.740 ug/l  
RT: 10.099 min Scan# 2724  
Delta R.T. -0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01

Tgt Ion:106 Resp: 41912  
Ion Ratio Lower Upper  
106 100  
91 213.4 107.1 321.3

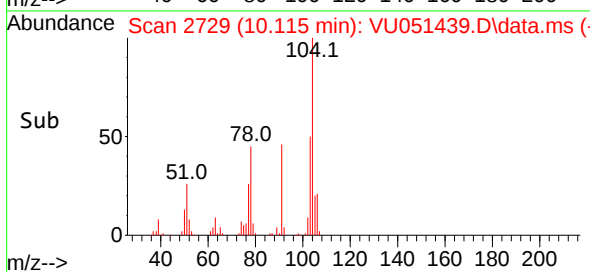
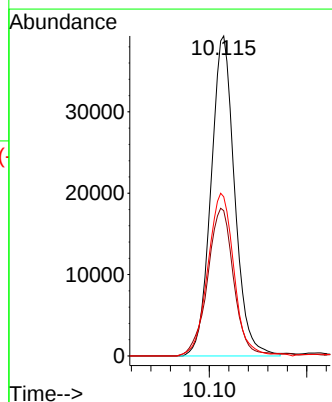
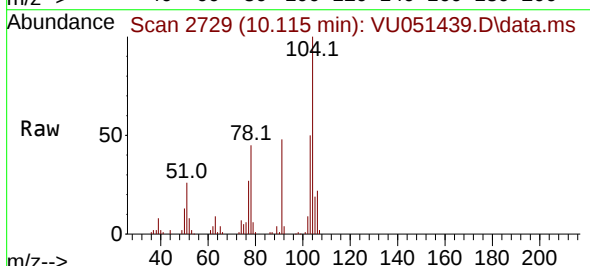
Manual Integrations  
APPROVED

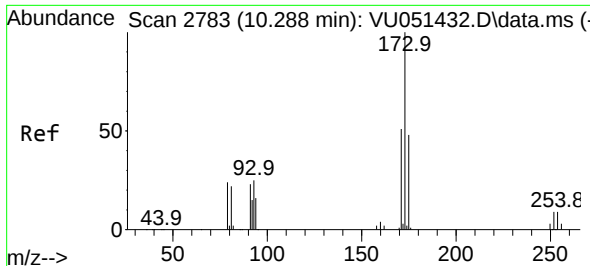
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022



#66  
Styrene  
Concen: 1.689 ug/l  
RT: 10.115 min Scan# 2729  
Delta R.T. 0.004 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

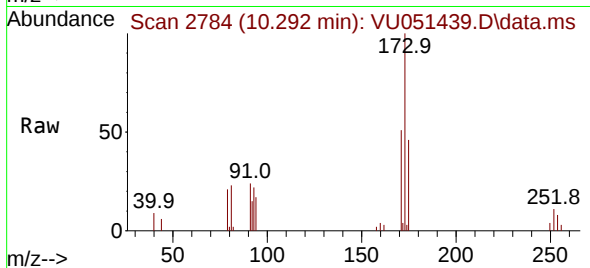
Tgt Ion:104 Resp: 66369  
Ion Ratio Lower Upper  
104 100  
78 50.9 39.7 59.5  
103 55.6 44.4 66.6





#67  
Bromoform  
Concen: 1.741 ug/l  
RT: 10.292 min Scan# 2784  
Delta R.T. 0.003 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

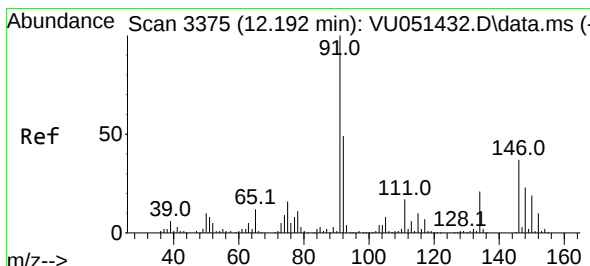
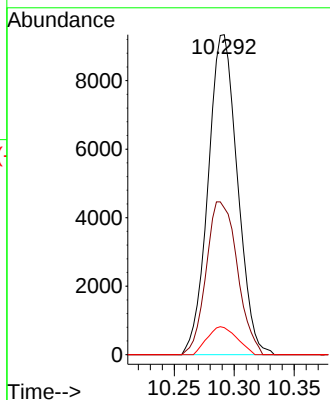
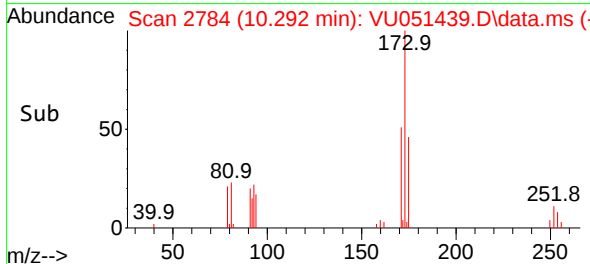
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01



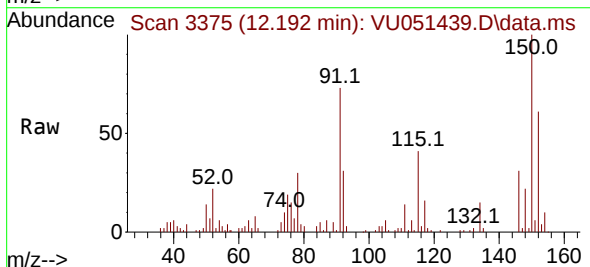
Tgt Ion:173 Resp: 1589  
Ion Ratio Lower Upper  
173 100  
175 50.7 38.6 58.0  
254 8.8 7.3 10.9

Manual Integrations  
APPROVED

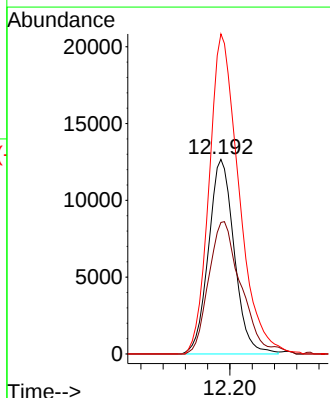
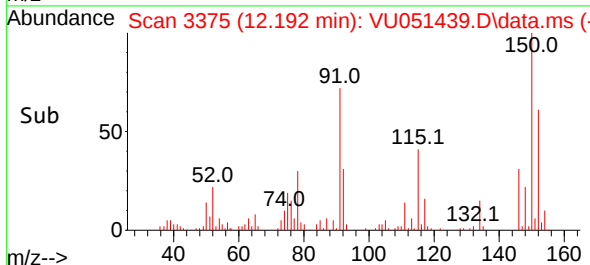
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022

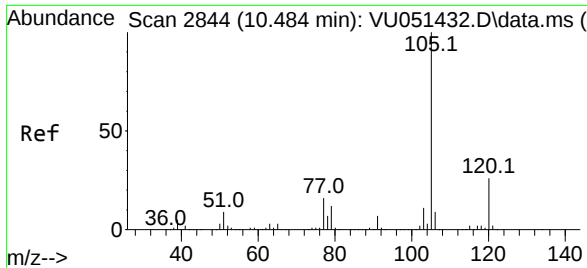


#68  
1,2-Dichlorobenzene-d4  
Concen: 0.928 ug/l  
RT: 12.192 min Scan# 3375  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50



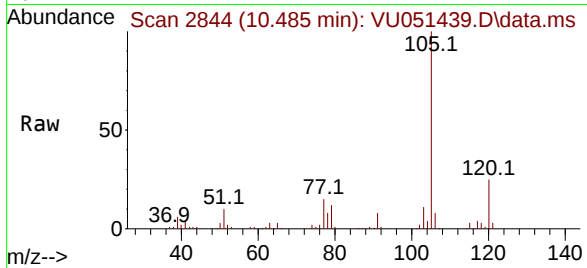
Tgt Ion:152 Resp: 20338  
Ion Ratio Lower Upper  
152 100  
115 85.7 0.0 333.0  
150 190.3 0.0 662.0





#69  
Isopropylbenzene  
Concen: 1.758 ug/l  
RT: 10.485 min Scan# 2844  
Delta R.T. 0.001 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

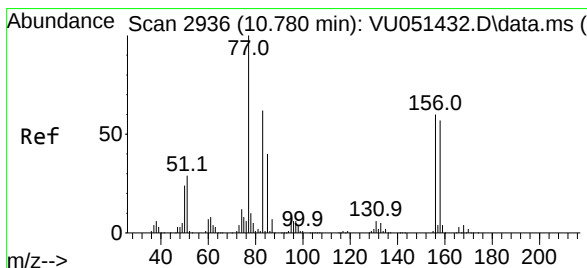
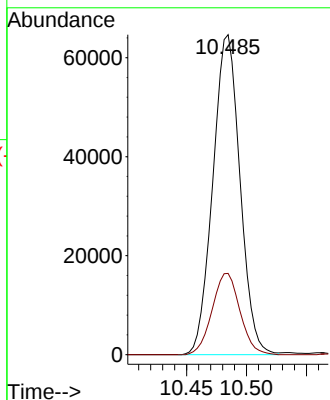
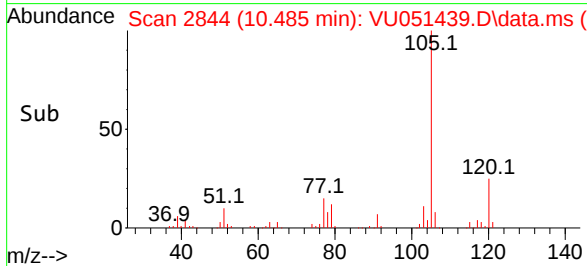
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01



Tgt Ion:105 Resp: 101800  
Ion Ratio Lower Upper  
105 100  
120 26.0 13.0 39.0

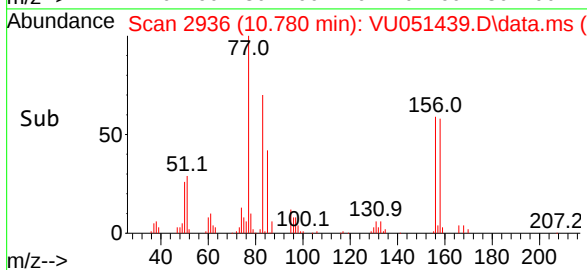
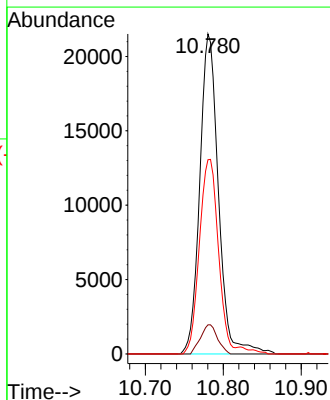
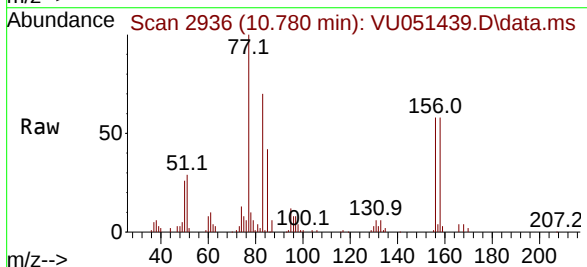
Manual Integrations  
APPROVED

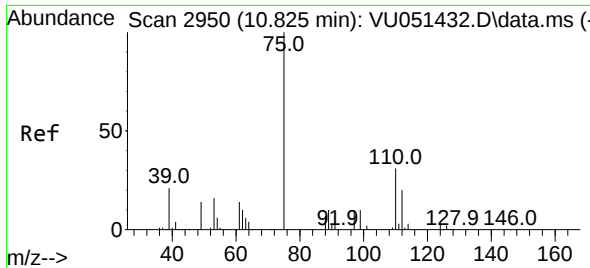
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022



#70  
1,1,2,2-Tetrachloroethane  
Concen: 1.772 ug/l  
RT: 10.780 min Scan# 2936  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

Tgt Ion: 83 Resp: 35841  
Ion Ratio Lower Upper  
83 100  
131 8.3 7.2 10.8  
85 61.3 51.4 77.2





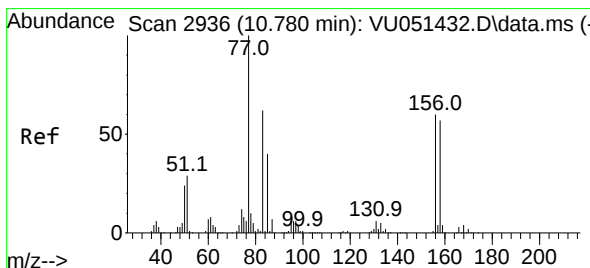
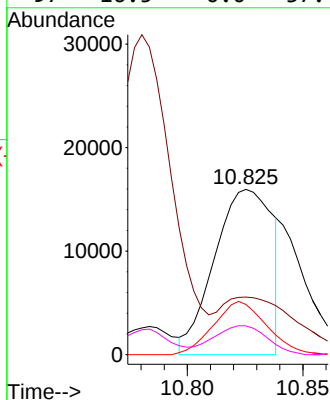
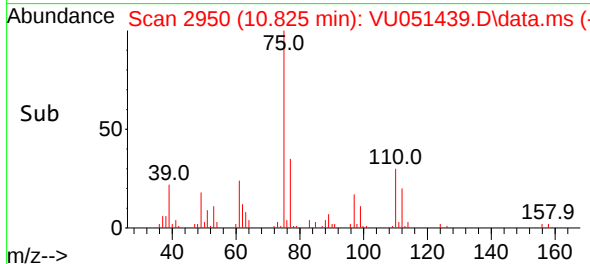
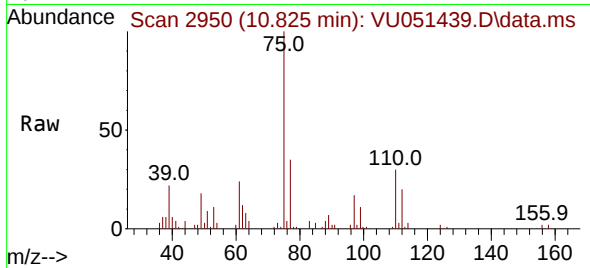
#71  
1,2,3-Trichloropropane  
Concen: 1.846 ug/l m  
RT: 10.825 min Scan# 2950  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01

|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 2775  |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 77 43.1     | 0.0 111.0   |
| 110 29.7    | 0.0 70.2    |
| 97 16.5     | 0.0 37.4    |

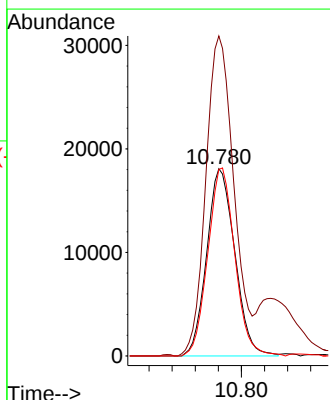
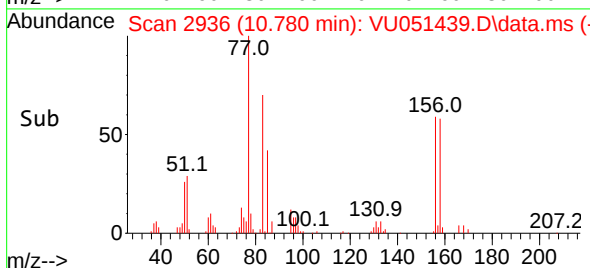
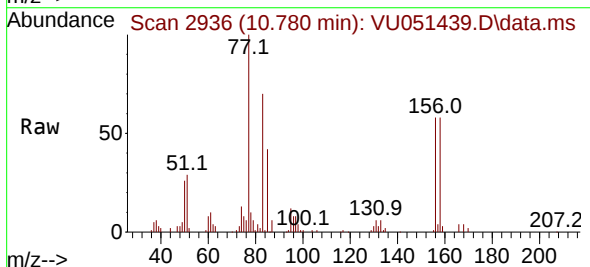
Manual Integrations  
APPROVED

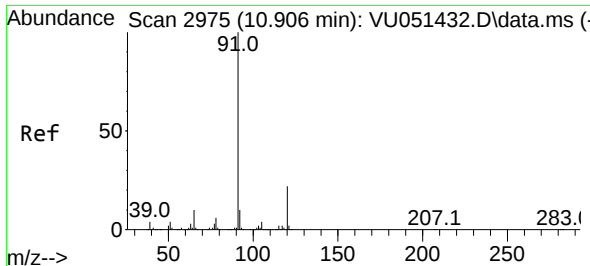
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022



#72  
Bromobenzene  
Concen: 1.737 ug/l  
RT: 10.780 min Scan# 2936  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

|             |             |
|-------------|-------------|
| Tgt Ion:156 | Resp: 30597 |
| Ion Ratio   | Lower Upper |
| 156 100     |             |
| 77 169.9    | 0.0 343.4   |
| 158 96.4    | 0.0 195.6   |





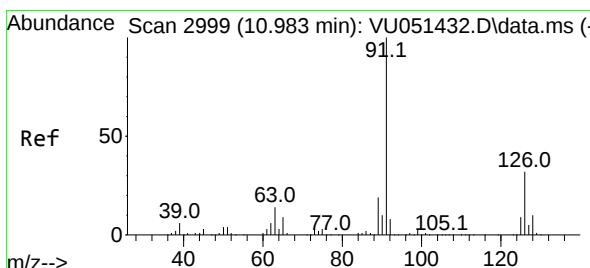
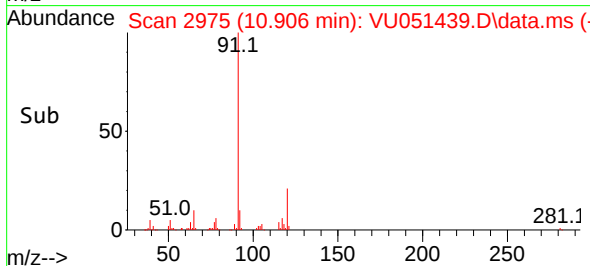
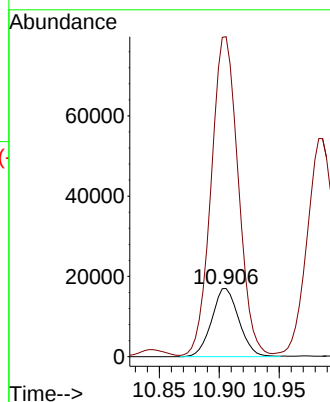
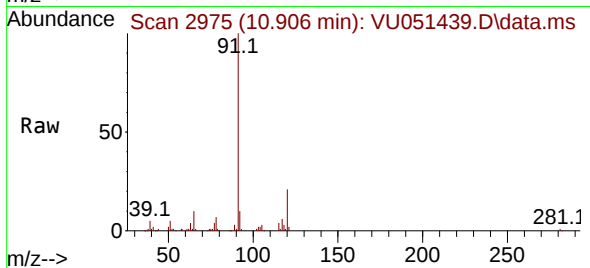
#73  
n-propylbenzene  
Concen: 1.668 ug/l  
RT: 10.906 min Scan# 2975  
Delta R.T. -0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01

Tgt Ion:120 Resp: 26730  
Ion Ratio Lower Upper  
120 100  
91 469.4 362.3 543.5

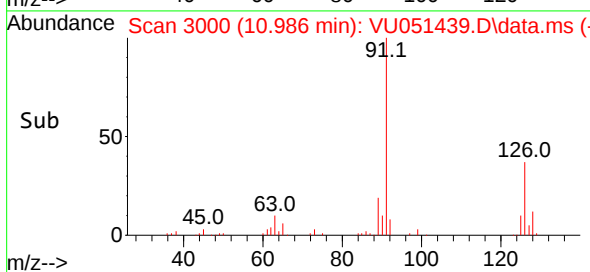
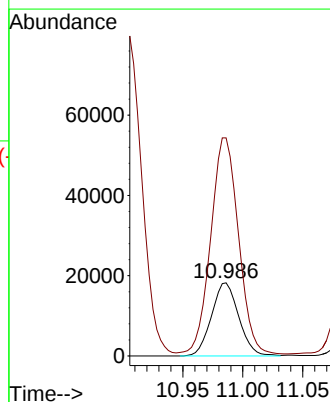
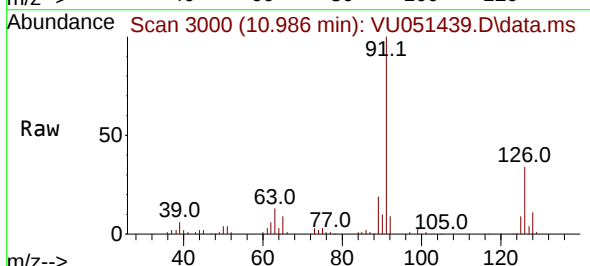
Manual Integrations  
APPROVED

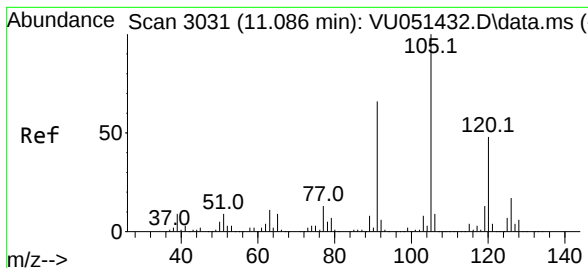
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022



#74  
2-Chlorotoluene  
Concen: 1.679 ug/l  
RT: 10.986 min Scan# 3000  
Delta R.T. 0.003 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

Tgt Ion:126 Resp: 28792  
Ion Ratio Lower Upper  
126 100  
91 307.0 0.0 623.2





#75

1,3,5-Trimethylbenzene

Concen: 1.662 ug/l

RT: 11.089 min Scan# 3031

Delta R.T. 0.003 min

Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

Instrument :

MSVOA\_U

ClientSampleId :

VU1018WBS01

Tgt Ion:105 Resp: 88640

Ion Ratio Lower Upper

105 100

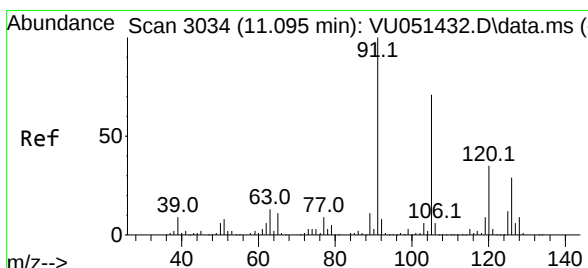
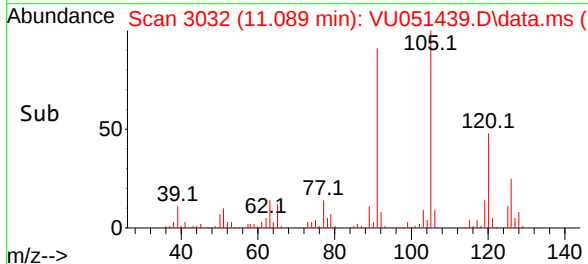
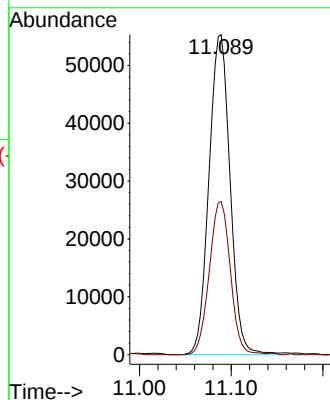
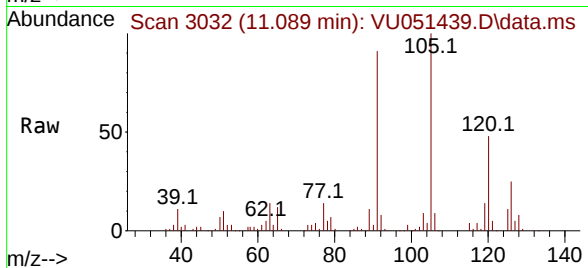
120 47.6 38.2 57.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/25/2022

Supervised By :Mahesh Dadoda 10/25/2022



#76

4-Chlorotoluene

Concen: 1.769 ug/l

RT: 11.095 min Scan# 3034

Delta R.T. 0.000 min

Lab File: VU051439.D

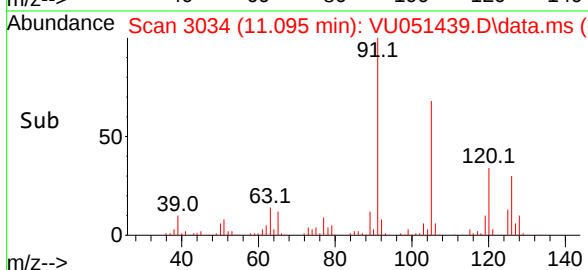
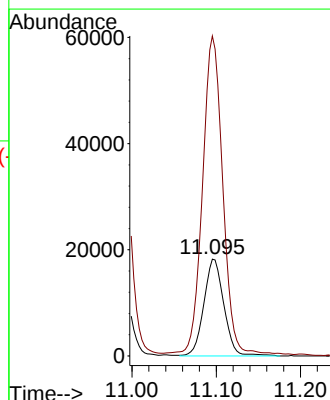
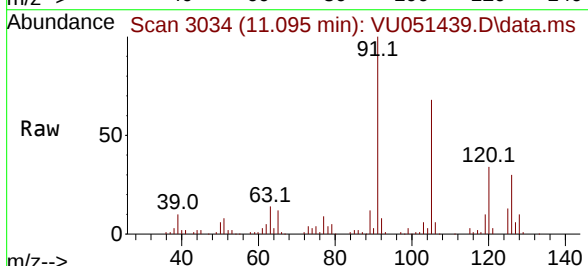
Acq: 18 Oct 2022 13:50

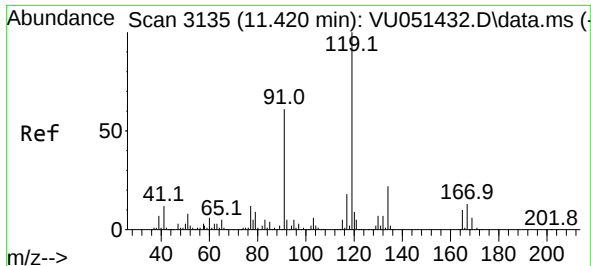
Tgt Ion:126 Resp: 30217

Ion Ratio Lower Upper

126 100

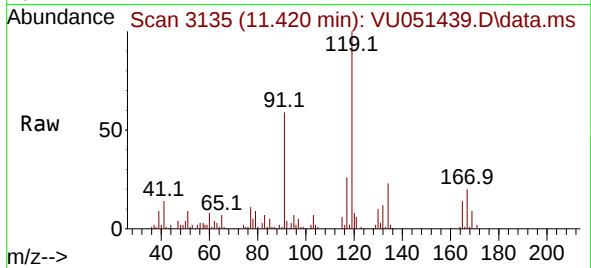
91 332.9 0.0 717.6





#77  
 tert-Butylbenzene  
 Concen: 1.597 ug/l  
 RT: 11.420 min Scan# 3135  
 Delta R.T. 0.000 min  
 Lab File: VU051439.D  
 Acq: 18 Oct 2022 13:50

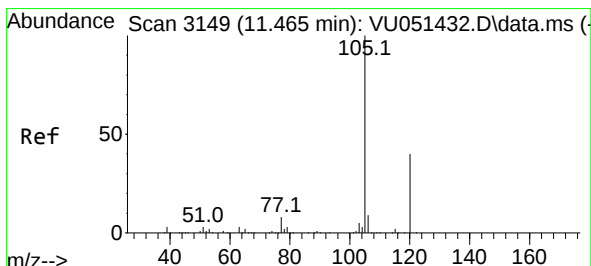
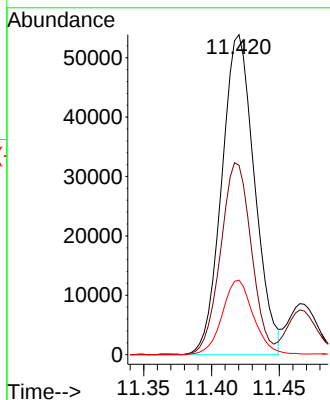
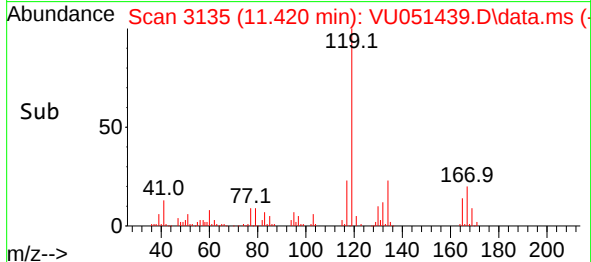
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1018WBS01



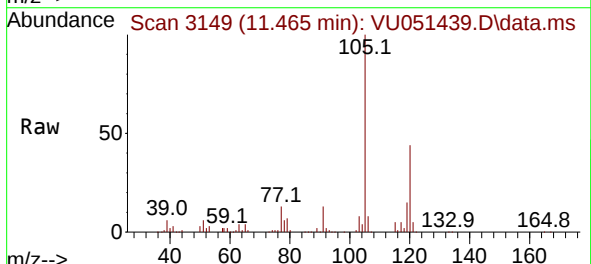
Tgt Ion:119 Resp: 90664  
 Ion Ratio Lower Upper  
 119 100  
 91 56.4 29.8 89.5  
 134 22.3 17.9 26.9

Manual Integrations  
 APPROVED

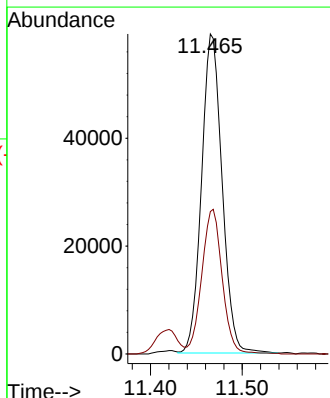
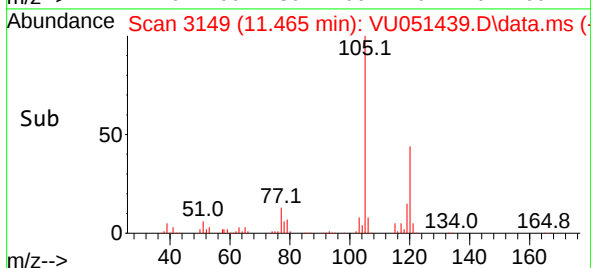
Reviewed By :Krupa Patel 10/25/2022  
 Supervised By :Mahesh Dadoda 10/25/2022

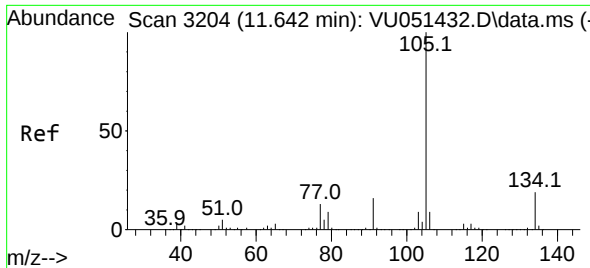


#78  
 1,2,4-Trimethylbenzene  
 Concen: 1.673 ug/l  
 RT: 11.465 min Scan# 3149  
 Delta R.T. 0.000 min  
 Lab File: VU051439.D  
 Acq: 18 Oct 2022 13:50



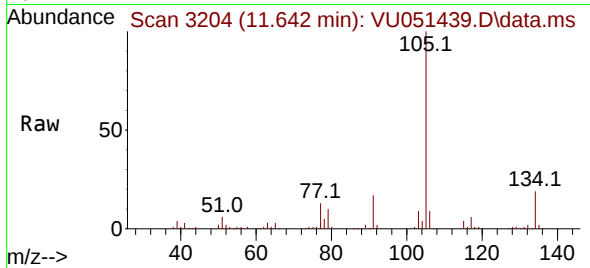
Tgt Ion:105 Resp: 92225  
 Ion Ratio Lower Upper  
 105 100  
 120 45.0 22.1 66.3





#79  
 sec-Butylbenzene  
 Concen: 1.708 ug/l  
 RT: 11.642 min Scan# 3204  
 Delta R.T. 0.000 min  
 Lab File: VU051439.D  
 Acq: 18 Oct 2022 13:50

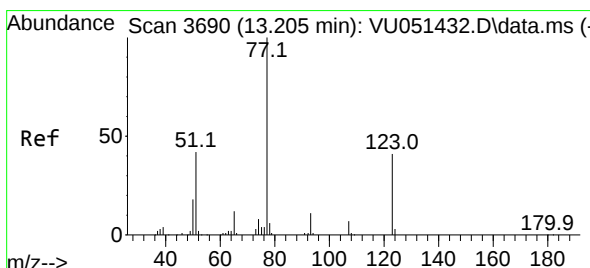
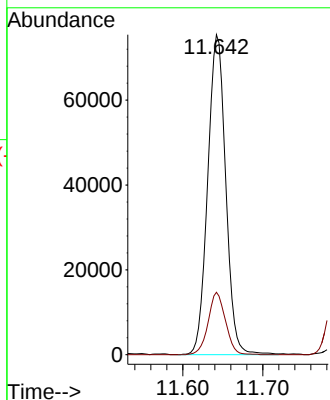
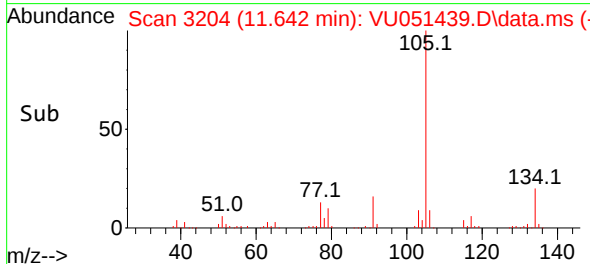
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1018WBS01



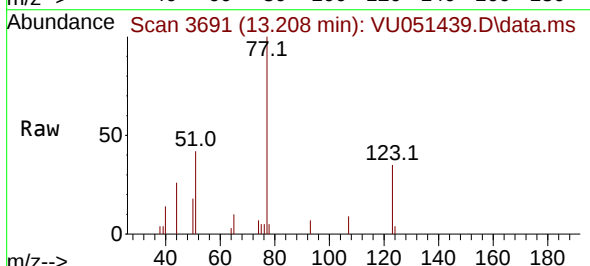
Tgt Ion:105 Resp: 11814  
 Ion Ratio Lower Upper  
 105 100  
 134 18.7 15.2 22.8

Manual Integrations  
 APPROVED

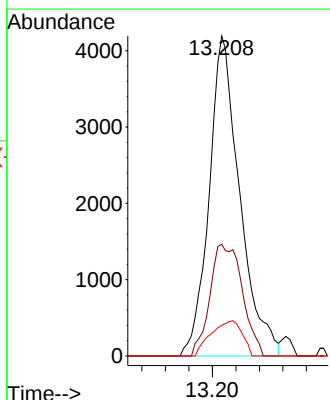
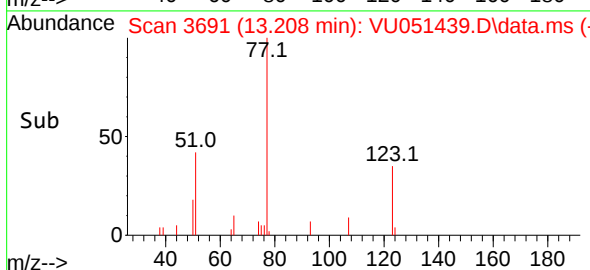
Reviewed By :Krupa Patel 10/25/2022  
 Supervised By :Mahesh Dadoda 10/25/2022

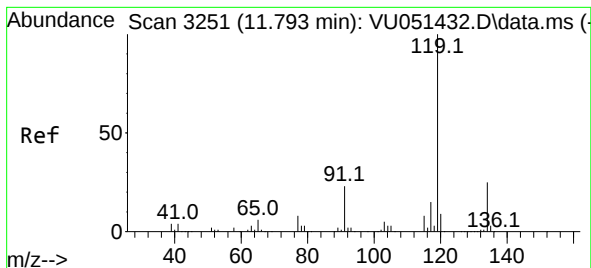


#80  
 Nitrobenzene  
 Concen: 7.577 ug/l m  
 RT: 13.208 min Scan# 3691  
 Delta R.T. 0.003 min  
 Lab File: VU051439.D  
 Acq: 18 Oct 2022 13:50



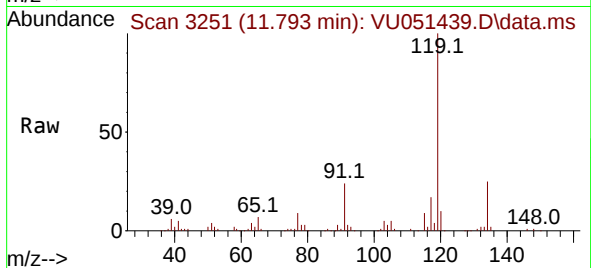
Tgt Ion: 77 Resp: 7590  
 Ion Ratio Lower Upper  
 77 100  
 123 36.8 17.5 62.1  
 65 11.1 11.1 14.1





#81  
p-Isopropyltoluene  
Concen: 1.703 ug/l  
RT: 11.793 min Scan# 3251  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

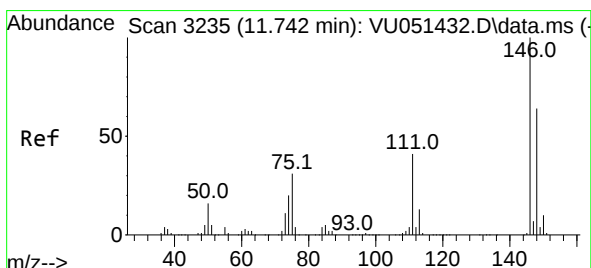
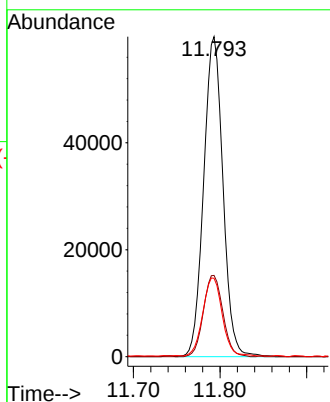
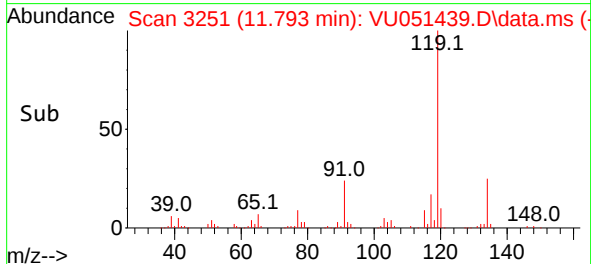
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01



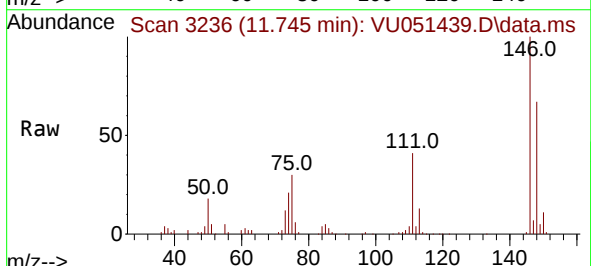
Tgt Ion:119 Resp: 92610  
Ion Ratio Lower Upper  
119 100  
134 25.6 20.3 30.5  
91 24.6 18.6 27.8

Manual Integrations  
APPROVED

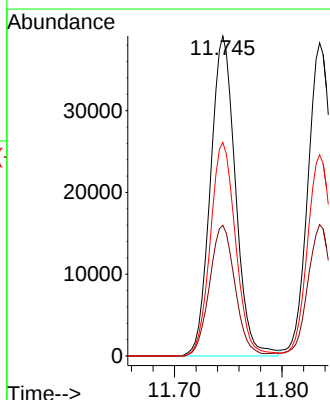
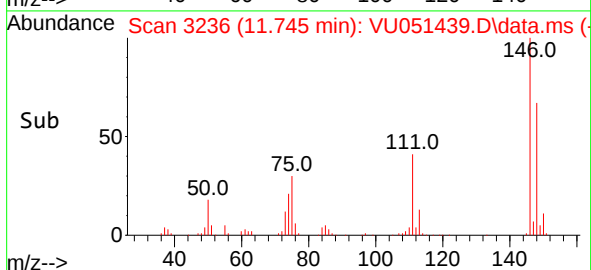
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022

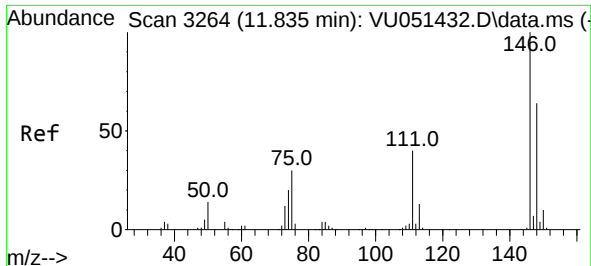


#82  
1,3-Dichlorobenzene  
Concen: 1.671 ug/l  
RT: 11.745 min Scan# 3236  
Delta R.T. 0.003 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50



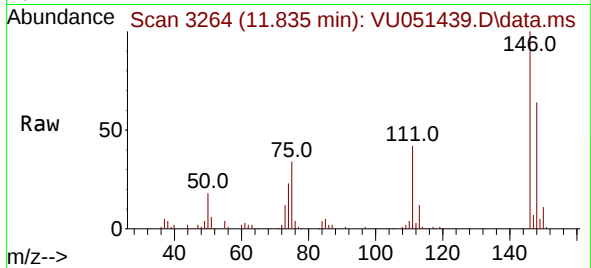
Tgt Ion:146 Resp: 63235  
Ion Ratio Lower Upper  
146 100  
111 41.5 33.4 50.0  
148 67.7 51.0 76.6





#83  
1,4-Dichlorobenzene  
Concen: 1.717 ug/l  
RT: 11.835 min Scan# 3264  
Delta R.T. -0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

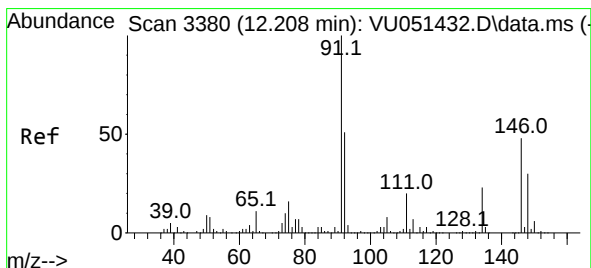
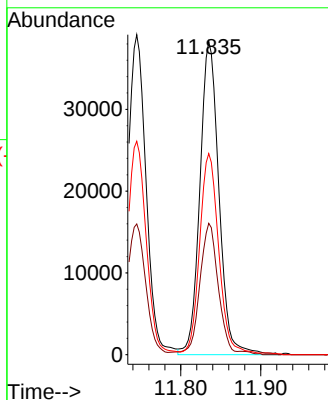
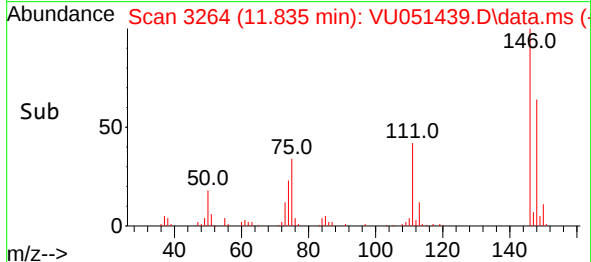
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01



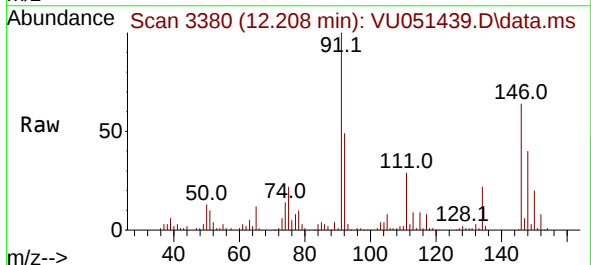
Tgt Ion:146 Resp: 63600  
Ion Ratio Lower Upper  
146 100  
111 40.9 31.6 47.4  
148 63.1 50.5 75.7

Manual Integrations  
APPROVED

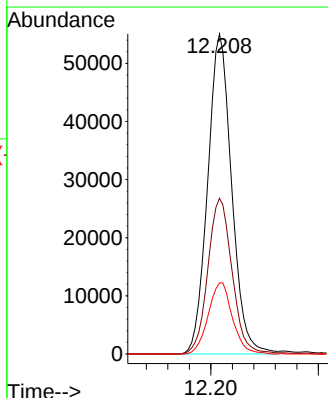
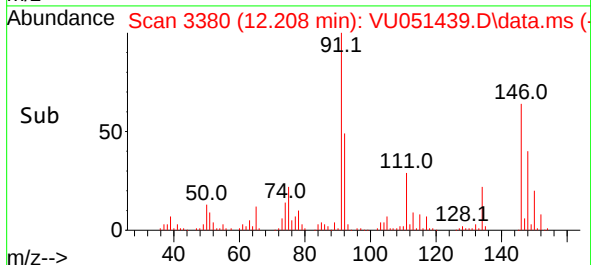
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022

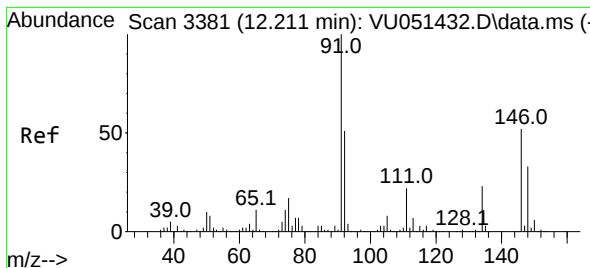


#84  
n-Butylbenzene  
Concen: 1.661 ug/l  
RT: 12.208 min Scan# 3380  
Delta R.T. -0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50



Tgt Ion: 91 Resp: 85340  
Ion Ratio Lower Upper  
91 100  
92 49.2 40.6 61.0  
134 22.4 18.3 27.5





#85

1,2-Dichlorobenzene

Concen: 1.678 ug/l

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

Instrument :

MSVOA\_U

ClientSampleId :

VU1018WBS01

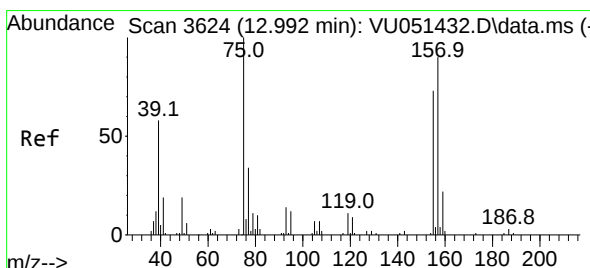
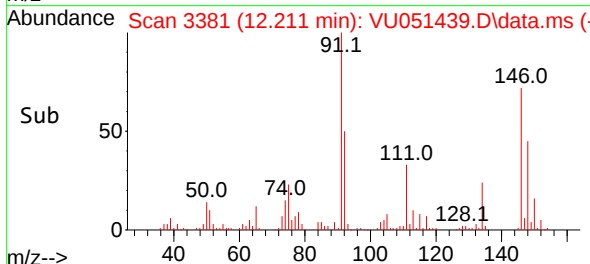
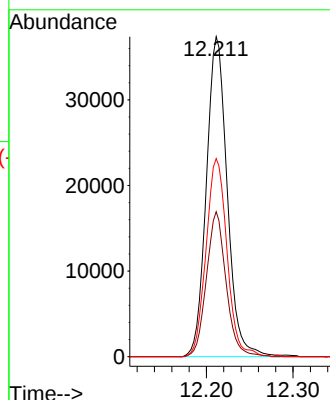
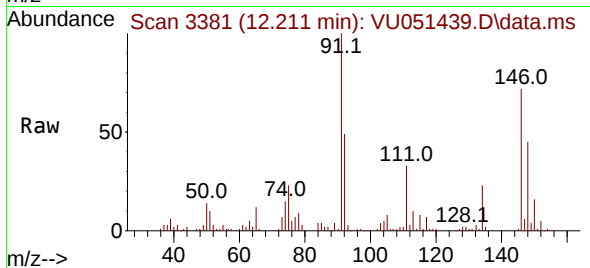
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 62584 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 42.8  | 21.3  | 63.9  |
| 148       | 62.3  | 31.8  | 95.4  |

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/25/2022

Supervised By :Mahesh Dadoda 10/25/2022



#86

1,2-Dibromo-3-Chloropropane

Concen: 1.666 ug/l

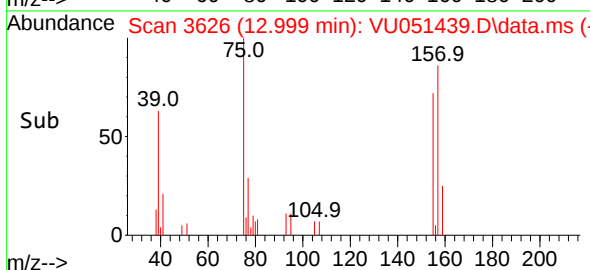
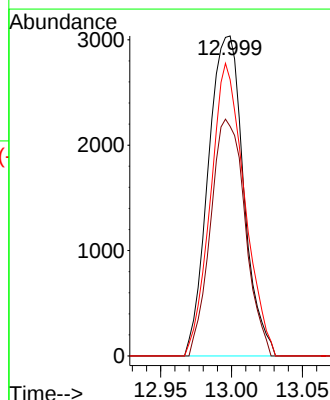
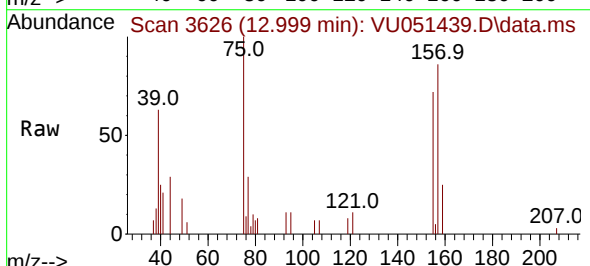
RT: 12.999 min Scan# 3626

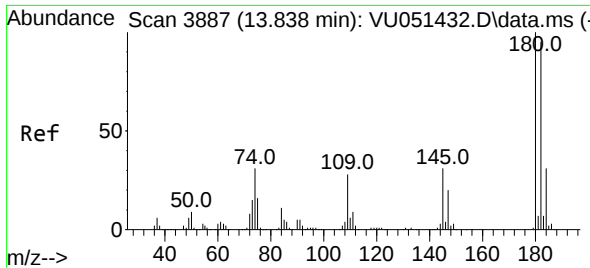
Delta R.T. 0.007 min

Lab File: VU051439.D

Acq: 18 Oct 2022 13:50

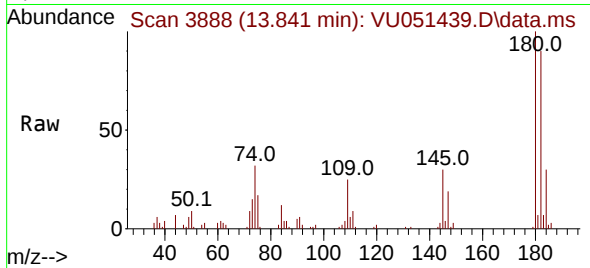
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 5271  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 72.3  | 58.5  | 87.7  |
| 157       | 87.9  | 75.3  | 112.9 |





#87  
1,2,4-Trichlorobenzene  
Concen: 1.438 ug/l  
RT: 13.841 min Scan# 3888  
Delta R.T. 0.003 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

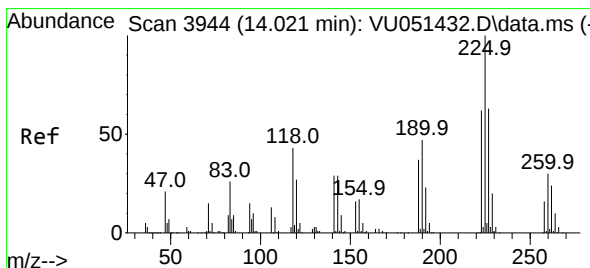
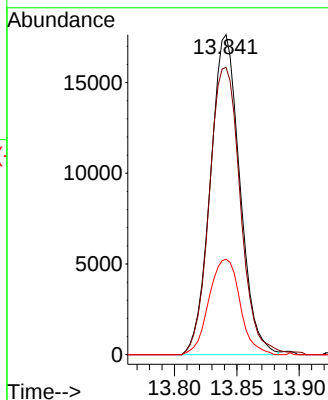
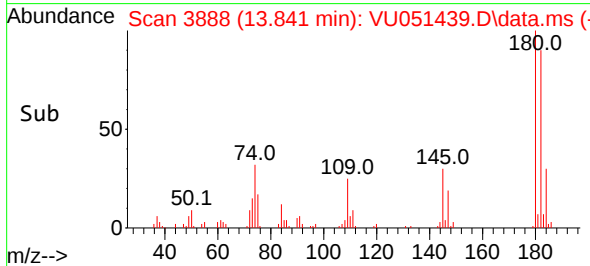
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01



Tgt Ion:180 Resp: 29039  
Ion Ratio Lower Upper  
180 100  
182 94.6 75.9 113.9  
145 31.4 24.9 37.3

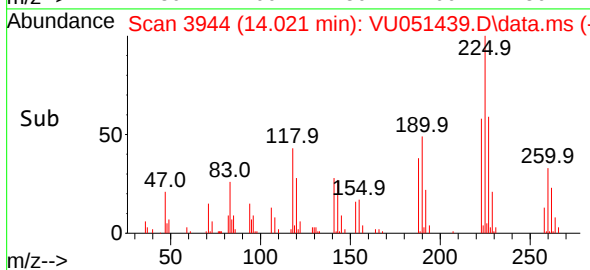
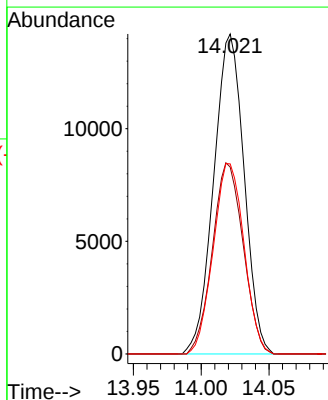
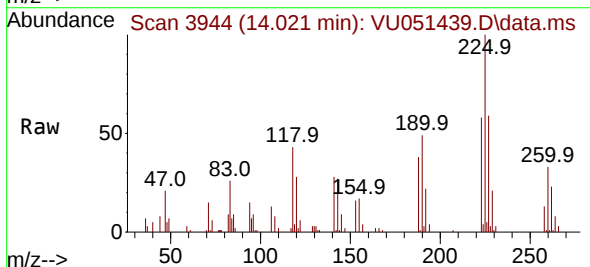
Manual Integrations  
APPROVED

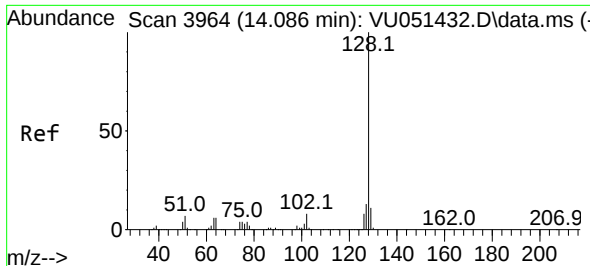
Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022



#88  
Hexachlorobutadiene  
Concen: 1.681 ug/l  
RT: 14.021 min Scan# 3944  
Delta R.T. 0.000 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

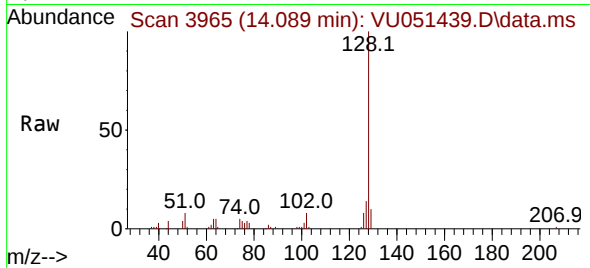
Tgt Ion:225 Resp: 22138  
Ion Ratio Lower Upper  
225 100  
223 60.5 50.1 75.1  
227 60.3 51.4 77.2





#89  
Naphthalene  
Concen: 1.179 ug/l  
RT: 14.089 min Scan# 3965  
Delta R.T. 0.003 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50

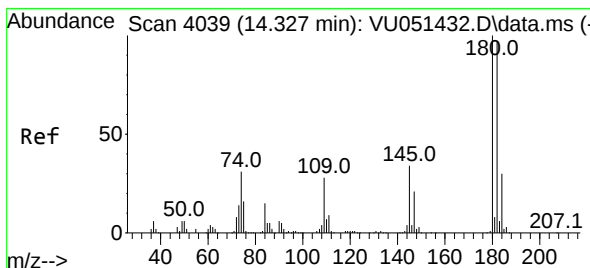
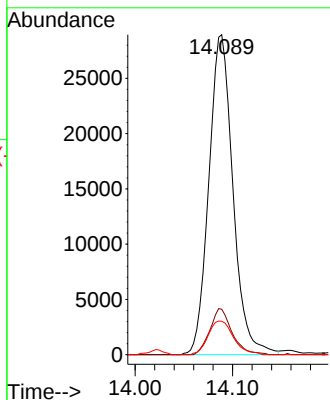
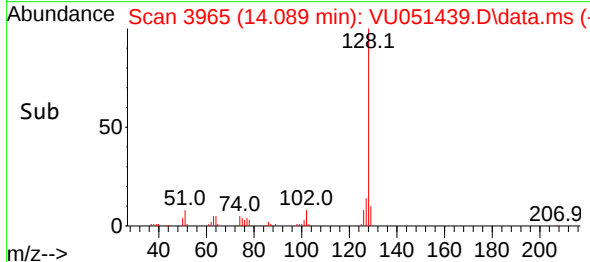
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU1018WBS01



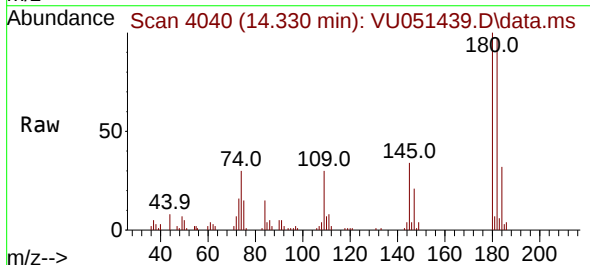
Tgt Ion:128 Resp: 4981  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.7 16.1  
129 11.1 8.4 12.6

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 10/25/2022  
Supervised By :Mahesh Dadoda 10/25/2022



#90  
1,2,3-Trichlorobenzene  
Concen: 1.360 ug/l  
RT: 14.330 min Scan# 4040  
Delta R.T. 0.003 min  
Lab File: VU051439.D  
Acq: 18 Oct 2022 13:50



Tgt Ion:180 Resp: 30056  
Ion Ratio Lower Upper  
180 100  
182 95.9 75.8 113.6  
145 33.1 26.6 39.8

