

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011223\  
 Data File : VX033705.D  
 Acq On : 12 Jan 2023 12:03  
 Operator : JC/MD  
 Sample : VX0112WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0112WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/13/2023  
 Supervised By : Mahesh Dadoda 01/13/2023

Quant Time: Jan 13 00:00:50 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X010723W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Jan 07 06:16:21 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Bromochloromethane        | 4.891  | 128   | 14795    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 6.763  | 114   | 101200   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 10.055 | 117   | 110186   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 5.952  | 65    | 36450    | 30.427   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 110 | Recovery | =      | 101.433% |
| 60) 4-Bromofluorobenzene     | 11.079 | 95    | 61151    | 30.792   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 63 - 112 | Recovery | =      | 102.633% |
| 63) Toluene-d8               | 8.647  | 98    | 108216   | 30.688   | ug/l   | 0.00     |
| Spiked Amount                | 30.000 | Range | 91 - 112 | Recovery | =      | 102.300% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166  | 85    | 29912    | 19.332   | ug/l   | 99       |
| 3) Chloromethane             | 1.295  | 50    | 27208    | 16.405   | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374  | 62    | 27540    | 18.383   | ug/l   | 100      |
| 5) Bromomethane              | 1.618  | 94    | 15410    | 18.570   | ug/l   | 100      |
| 6) Chloroethane              | 1.691  | 64    | 16856    | 19.211   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.892  | 101   | 47985    | 20.755   | ug/l   | 96       |
| 8) Diethyl Ether             | 2.130  | 74    | 14152    | 18.800   | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101   | 21606    | 18.023   | ug/l   | 98       |
| 10) 1,1-Dichloroethene       | 2.319  | 96    | 19762    | 17.485   | ug/l   | 97       |
| 11) Methyl Iodide            | 2.453  | 142   | 29440    | 15.152   | ug/l   | 94       |
| 12) Methyl Acetate           | 2.709  | 43    | 40978    | 17.318   | ug/l   | 99       |
| 13) Acrolein                 | 2.239  | 56    | 26740    | 104.810  | ug/l   | 99       |
| 14) Acrylonitrile            | 3.069  | 53    | 80631    | 103.332  | ug/l   | 99       |
| 15) Acetone                  | 2.404  | 58    | 15974    | 90.458   | ug/l   | 96       |
| 16) Carbon Disulfide         | 2.514  | 76    | 50683    | 15.410   | ug/l   | 99       |
| 17) Allyl chloride           | 2.666  | 41    | 37728    | 15.691   | ug/l   | 96       |
| 18) Methylene Chloride       | 2.788  | 84    | 32570    | 20.577   | ug/l   | 90       |
| 19) trans-1,2-Dichloroethene | 3.093  | 96    | 30317    | 19.965   | ug/l   | 96       |
| 20) Diisopropyl ether        | 3.757  | 45    | 104584   | 20.153   | ug/l   | 89       |
| 21) 1,1-Dichloroethane       | 3.611  | 63    | 55688    | 19.567   | ug/l   | 98       |
| 22) cis-1,2-Dichloroethene   | 4.489  | 96    | 35584    | 19.706   | ug/l   | 99       |
| 23) tert-Butyl Alcohol       | 3.038  | 59    | 30442m   | 98.770   | ug/l   |          |
| 24) Methyl tert-Butyl Ether  | 3.111  | 73    | 95637    | 19.816   | ug/l   | 96       |
| 25) Chloroform               | 5.093  | 83    | 57550    | 19.923   | ug/l   | 100      |
| 26) Cyclohexane              | 5.471  | 56    | 53012    | 20.069   | ug/l # | 99       |
| 29) 1,1-Dichloropropene      | 5.690  | 75    | 42538    | 19.446   | ug/l   | 97       |
| 30) 2-Butanone               | 4.568  | 43    | 113034   | 98.948   | ug/l # | 98       |
| 31) 2,2-Dichloropropane      | 4.471  | 77    | 39522    | 20.985   | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.385  | 97    | 48525    | 19.000   | ug/l   | 99       |
| 33) Carbon Tetrachloride     | 5.678  | 117   | 45003    | 19.523   | ug/l   | 98       |
| 34) Benzene                  | 6.038  | 78    | 125362   | 19.727   | ug/l   | 99       |
| 35) Methacrylonitrile        | 4.922  | 41    | 25466    | 19.564   | ug/l   | 97       |
| 36) 1,2-Dichloroethane       | 6.080  | 62    | 44835    | 19.408   | ug/l   | 98       |
| 37) Trichloroethene          | 7.123  | 130   | 34984    | 19.088   | ug/l   | 99       |
| 38) Methylcyclohexane        | 7.379  | 83    | 54791    | 20.143   | ug/l   | 98       |
| 39) 1,2-Dichloropropane      | 7.428  | 63    | 32599    | 20.072   | ug/l   | 97       |
| 40) Dibromomethane           | 7.580  | 93    | 21980    | 19.257   | ug/l   | 97       |
| 41) Bromodichloromethane     | 7.818  | 83    | 42069    | 19.003   | ug/l   | 98       |
| 42) Vinyl Acetate            | 3.721  | 43    | 397013   | 97.252   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011223\  
 Data File : VX033705.D  
 Acq On : 12 Jan 2023 12:03  
 Operator : JC/MD  
 Sample : VX0112WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0112WBSD01

Manual Integrations  
 APPROVED

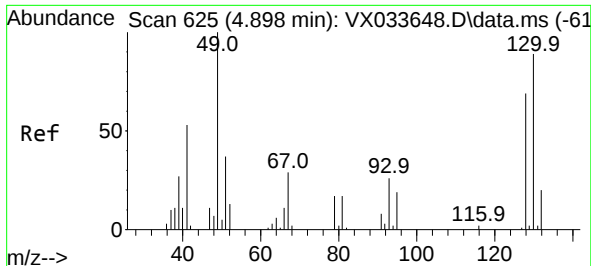
Reviewed By : John Carlone 01/13/2023  
 Supervised By : Mahesh Dadoda 01/13/2023

Quant Time: Jan 13 00:00:50 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X010723W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Jan 07 06:16:21 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 4.715  | 43   | 45264    | 19.337  | ug/l   | 98       |
| 44) Isopropyl Acetate         | 6.336  | 43   | 67677    | 18.429  | ug/l   | 100      |
| 45) 1,4-Dioxane               | 7.745  | 88   | 16287    | 406.519 | ug/l # | 43       |
| 46) Methyl methacrylate       | 7.696  | 41   | 35515    | 19.101  | ug/l   | 97       |
| 47) n-amyl Acetate            | 10.842 | 43   | 57832    | 18.496  | ug/l   | 99       |
| 48) t-1,3-Dichloropropene     | 8.976  | 75   | 43366    | 19.171  | ug/l   | 98       |
| 49) cis-1,3-Dichloropropene   | 8.366  | 75   | 48759    | 19.407  | ug/l   | 100      |
| 50) 1,1,2-Trichloroethane     | 9.153  | 97   | 32334    | 19.516  | ug/l   | 96       |
| 51) Ethyl methacrylate        | 9.116  | 69   | 47561    | 19.251  | ug/l   | 97       |
| 52) 1,3-Dichloropropane       | 9.305  | 76   | 54991    | 19.817  | ug/l   | 99       |
| 53) Dibromochloromethane      | 9.519  | 129  | 34747    | 19.242  | ug/l   | 98       |
| 54) 1,2-Dibromoethane         | 9.610  | 107  | 35041    | 19.790  | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether | 8.238  | 63   | 107678   | 90.154  | ug/l   | 99       |
| 56) Bromoform                 | 10.799 | 173  | 26966    | 19.449  | ug/l   | 100      |
| 58) 4-Methyl-2-Pentanone      | 8.574  | 43   | 224151   | 102.409 | ug/l   | 100      |
| 59) 2-Hexanone                | 9.427  | 43   | 163858   | 101.722 | ug/l   | 99       |
| 61) Tetrachloroethene         | 9.275  | 164  | 32188    | 20.247  | ug/l   | 100      |
| 62) Toluene                   | 8.720  | 91   | 139213   | 20.071  | ug/l   | 97       |
| 64) Chlorobenzene             | 10.079 | 112  | 90227    | 20.197  | ug/l   | 98       |
| 65) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 33341    | 19.830  | ug/l   | 98       |
| 66) Ethyl Benzene             | 10.195 | 91   | 156158   | 20.188  | ug/l   | 99       |
| 67) m/p-Xylenes               | 10.299 | 106  | 125323   | 41.051  | ug/l   | 100      |
| 68) o-Xylene                  | 10.640 | 106  | 61662    | 20.549  | ug/l   | 97       |
| 69) Styrene                   | 10.653 | 104  | 102769   | 20.693  | ug/l   | 98       |
| 70) Isopropylbenzene          | 10.963 | 105  | 159469   | 20.521  | ug/l   | 98       |
| 71) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 48677    | 20.803  | ug/l   | 99       |
| 72) 1,2,3-Trichloropropane    | 11.238 | 75   | 44096m   | 20.803  | ug/l   |          |
| 73) Bromobenzene              | 11.195 | 156  | 42190    | 20.514  | ug/l   | 98       |
| 74) n-propylbenzene           | 11.305 | 91   | 182564   | 20.692  | ug/l   | 99       |
| 75) 2-Chlorotoluene           | 11.366 | 91   | 110055   | 20.855  | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 134975   | 20.920  | ug/l   | 99       |
| 77) t-1,4-Dichloro-2-butene   | 11.018 | 75   | 12305    | 19.403  | ug/l   | 93       |
| 78) 4-Chlorotoluene           | 11.451 | 91   | 123497   | 20.868  | ug/l   | 100      |
| 79) tert-butylbenzene         | 11.713 | 119  | 139506   | 21.083  | ug/l   | 98       |
| 80) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 133749   | 20.984  | ug/l   | 99       |
| 81) sec-Butylbenzene          | 11.890 | 105  | 167500   | 20.921  | ug/l   | 100      |
| 82) p-Isopropyltoluene        | 12.006 | 119  | 143597   | 20.794  | ug/l   | 100      |
| 83) 1,3-Dichlorobenzene       | 11.969 | 146  | 78620    | 20.941  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 12.043 | 146  | 79013    | 21.108  | ug/l   | 99       |
| 85) n-Butylbenzene            | 12.329 | 91   | 119677   | 21.317  | ug/l   | 100      |
| 86) Hexachloroethane          | 12.536 | 117  | 22167    | 19.732  | ug/l   | 99       |
| 87) 1,2-Dichlorobenzene       | 12.335 | 146  | 76290    | 21.094  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 9379     | 19.307  | ug/l   | 93       |
| 89) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 44434    | 17.864  | ug/l   | 98       |
| 90) Hexachlorobutadiene       | 13.725 | 225  | 21791    | 18.271  | ug/l   | 98       |
| 91) Naphthalene               | 13.774 | 128  | 116271   | 15.919  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 38664    | 15.492  | ug/l   | 100      |

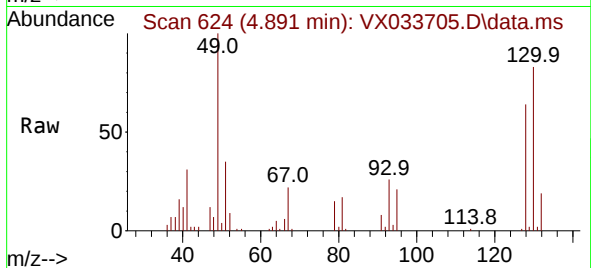
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.891 min Scan# 61  
Delta R.T. -0.007 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

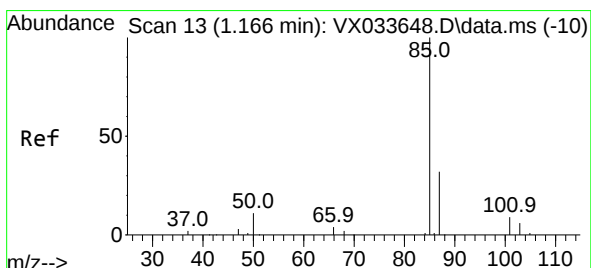
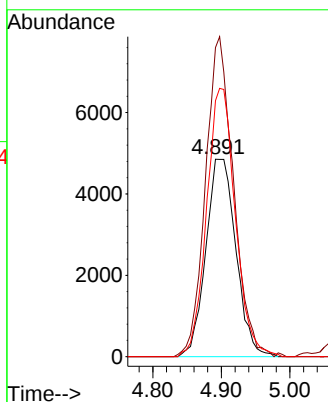
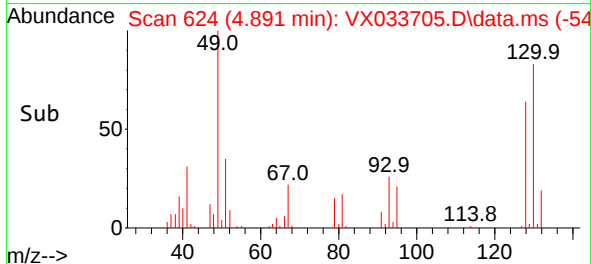
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01



Tgt Ion:128 Resp: 1479  
Ion Ratio Lower Upper  
128 100  
49 149.5 0.0 398.5  
130 129.9 0.0 329.0

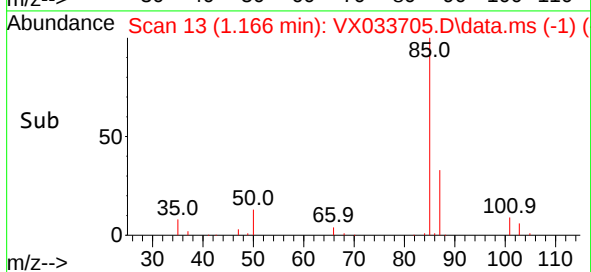
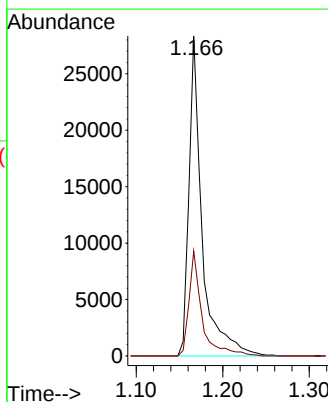
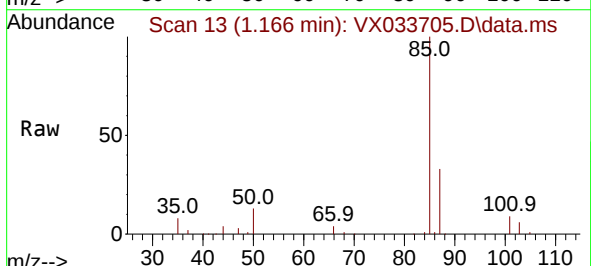
Manual Integrations  
APPROVED

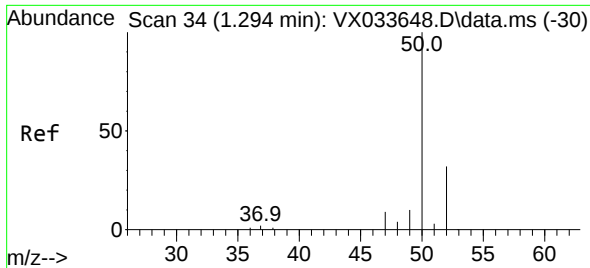
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#2  
Dichlorodifluoromethane  
Concen: 19.332 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

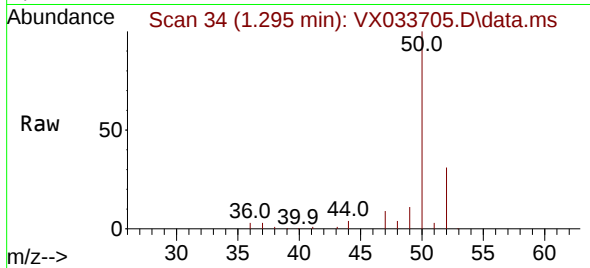
Tgt Ion: 85 Resp: 29912  
Ion Ratio Lower Upper  
85 100  
87 32.8 16.0 48.0





#3  
Chloromethane  
Concen: 16.405 ug/l  
RT: 1.295 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

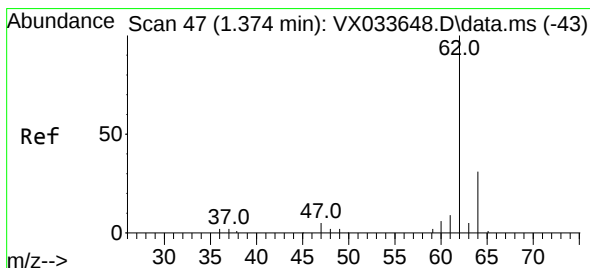
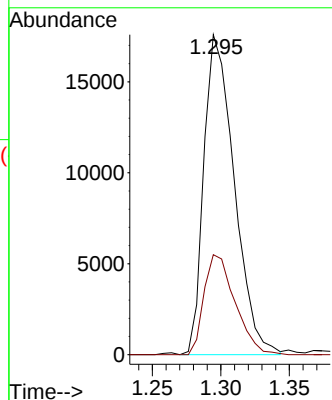
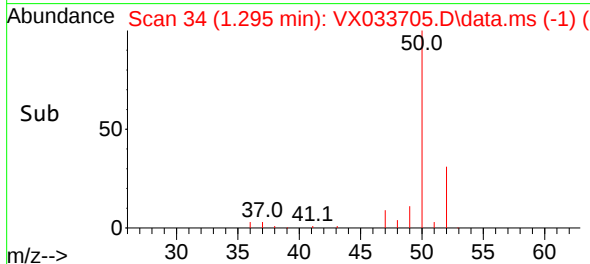
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01



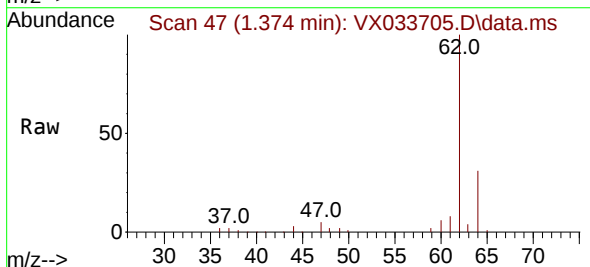
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Ion Ratio Lower Upper  
50 100  
52 31.2 25.5 38.3

Manual Integrations  
APPROVED

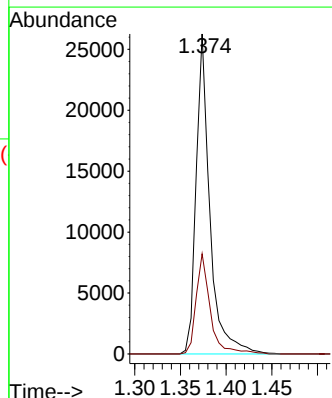
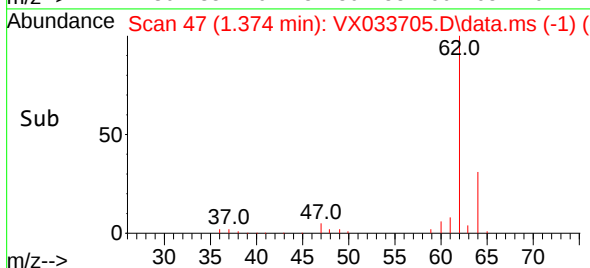
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023

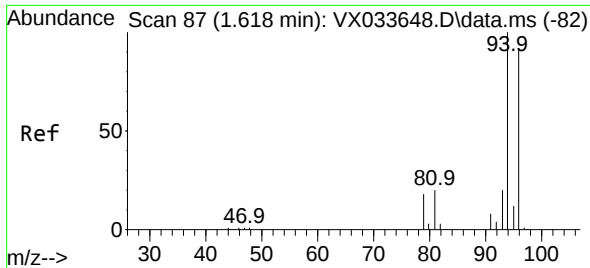


#4  
Vinyl Chloride  
Concen: 18.383 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03



Tgt Ion: 62 Resp: 27540  
Ion Ratio Lower Upper  
62 100  
64 31.3 24.9 37.3





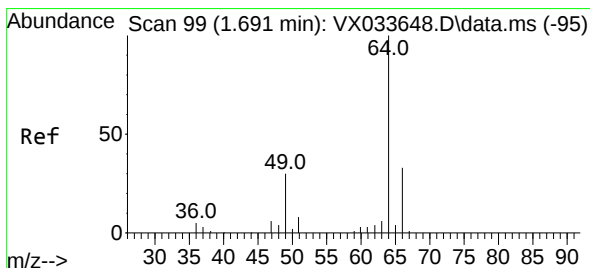
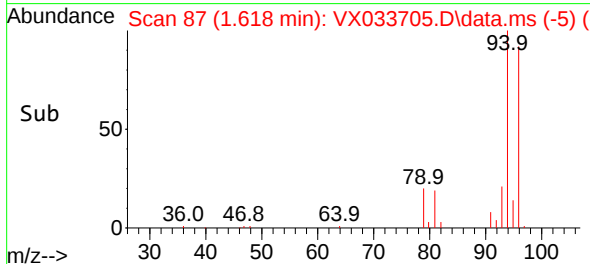
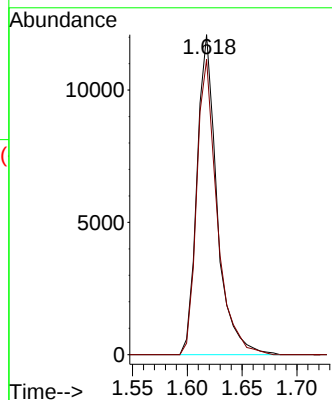
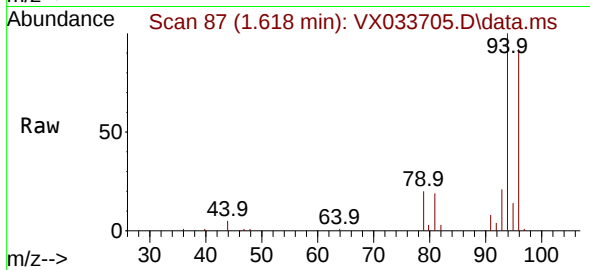
#5  
Bromomethane  
Concen: 18.570 ug/l  
RT: 1.618 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01

Tgt Ion: 94 Resp: 15410  
Ion Ratio Lower Upper  
94 100  
96 92.2 73.6 110.4

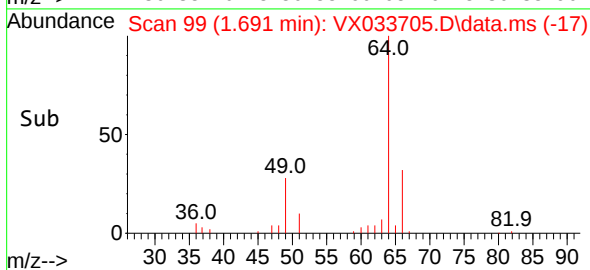
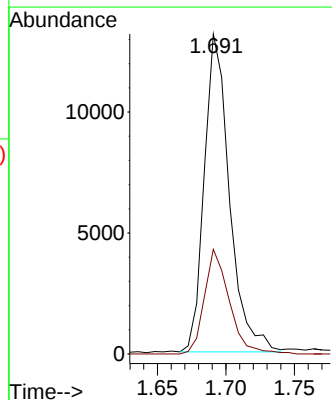
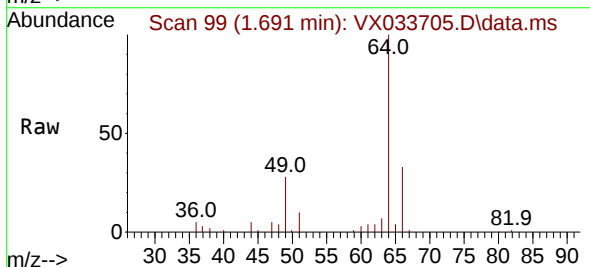
Manual Integrations  
APPROVED

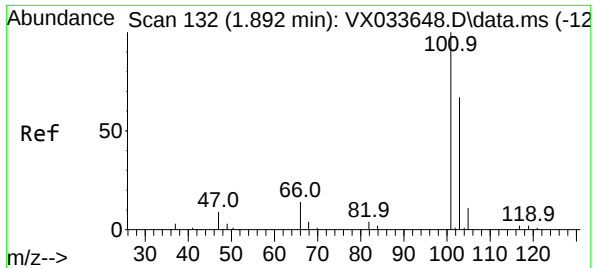
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#6  
Chloroethane  
Concen: 19.211 ug/l  
RT: 1.691 min Scan# 99  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

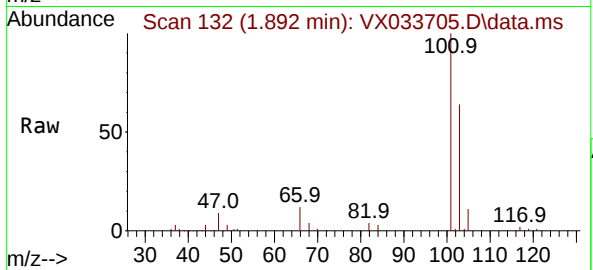
Tgt Ion: 64 Resp: 16856  
Ion Ratio Lower Upper  
64 100  
66 32.9 26.6 40.0





#7  
 Trichlorofluoromethane  
 Concen: 20.755 ug/l  
 RT: 1.892 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX033705.D  
 Acq: 12 Jan 2023 12:03

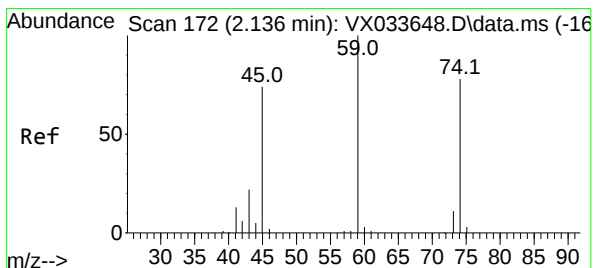
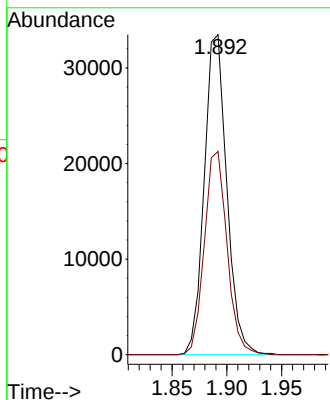
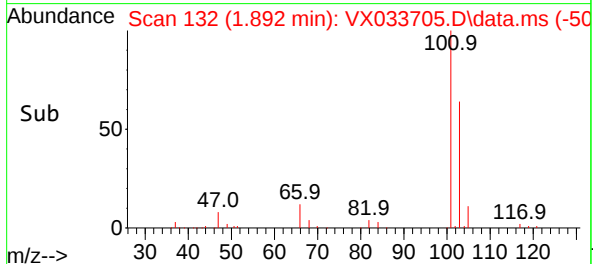
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0112WBSD01



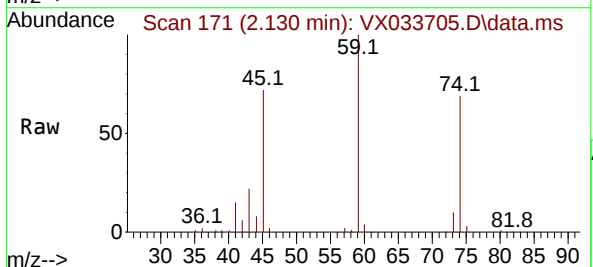
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 Ion Ratio Lower Upper  
 101 100  
 103 63.5 53.7 80.5

Manual Integrations  
 APPROVED

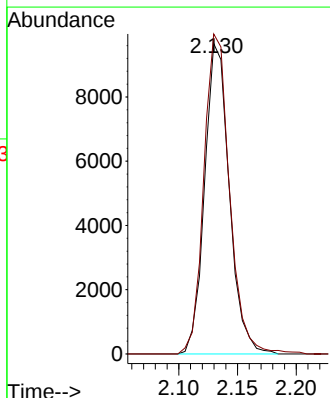
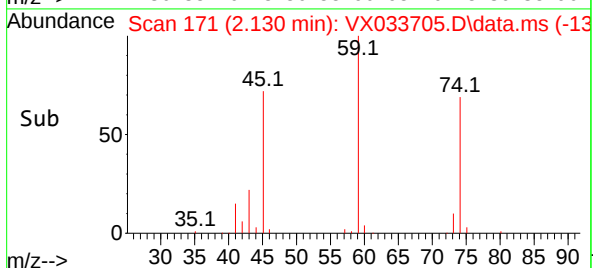
Reviewed By :John Carlone 01/13/2023  
 Supervised By :Mahesh Dadoda 01/13/2023

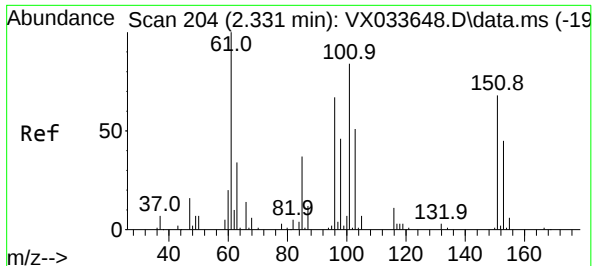


#8  
 Diethyl Ether  
 Concen: 18.800 ug/l  
 RT: 2.130 min Scan# 171  
 Delta R.T. -0.006 min  
 Lab File: VX033705.D  
 Acq: 12 Jan 2023 12:03



Tgt Ion: 74 Resp: 14152  
 Ion Ratio Lower Upper  
 74 100  
 45 107.2 20.3 182.9





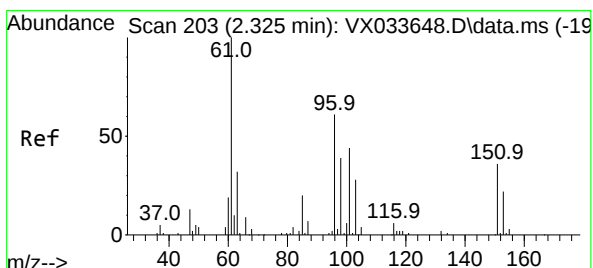
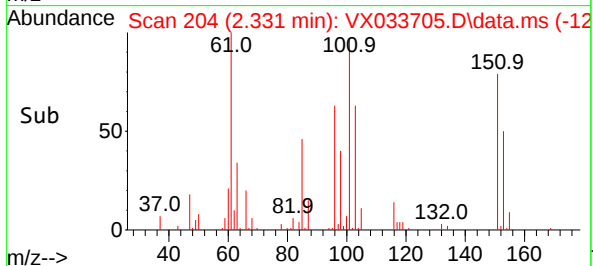
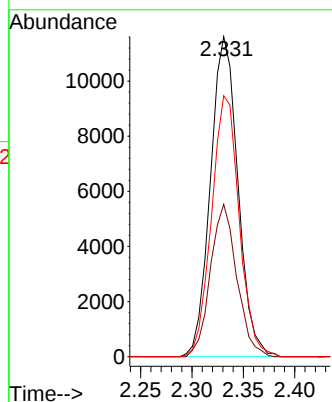
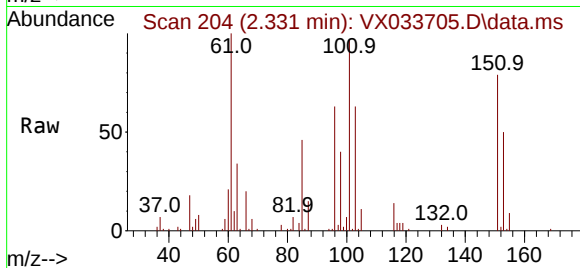
#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 18.023 ug/l  
 RT: 2.331 min Scan# 204  
 Delta R.T. 0.000 min  
 Lab File: VX033705.D  
 Acq: 12 Jan 2023 12:03

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0112WBSD01

Tgt Ion:101 Resp: 21600  
 Ion Ratio Lower Upper  
 101 100  
 85 45.7 0.0 88.8  
 151 82.0 0.0 167.2

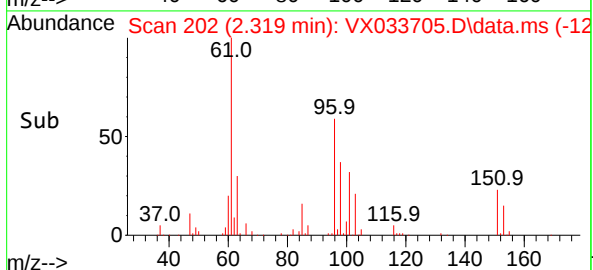
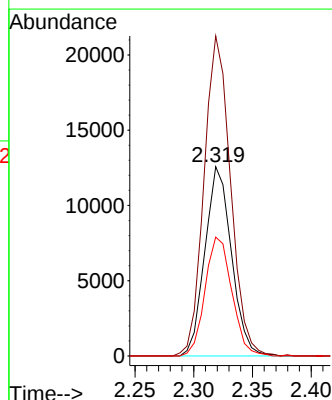
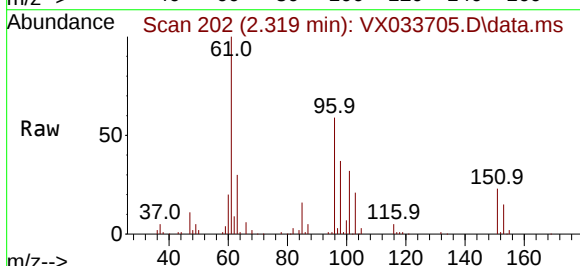
Manual Integrations  
 APPROVED

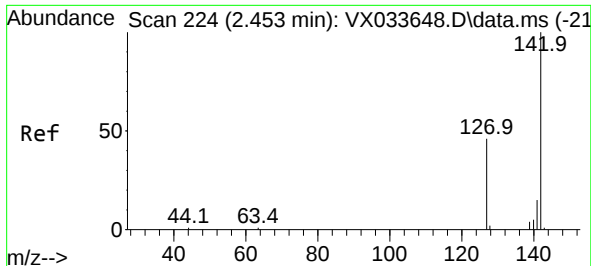
Reviewed By :John Carlone 01/13/2023  
 Supervised By :Mahesh Dadoda 01/13/2023



#10  
 1,1-Dichloroethene  
 Concen: 17.485 ug/l  
 RT: 2.319 min Scan# 202  
 Delta R.T. -0.006 min  
 Lab File: VX033705.D  
 Acq: 12 Jan 2023 12:03

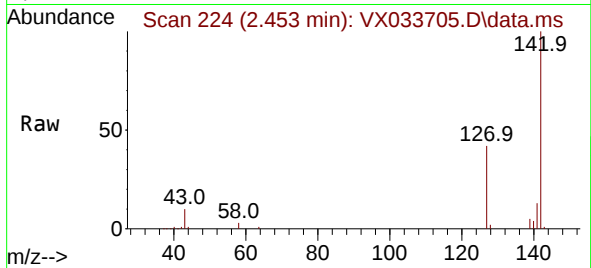
Tgt Ion: 96 Resp: 19762  
 Ion Ratio Lower Upper  
 96 100  
 61 169.1 130.6 195.8  
 98 62.8 50.8 76.2





#11  
Methyl Iodide  
Concen: 15.152 ug/l  
RT: 2.453 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

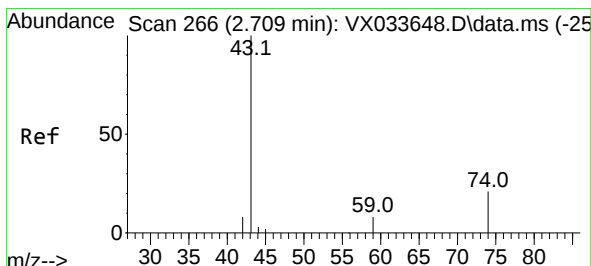
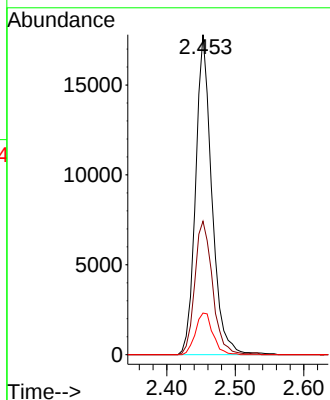
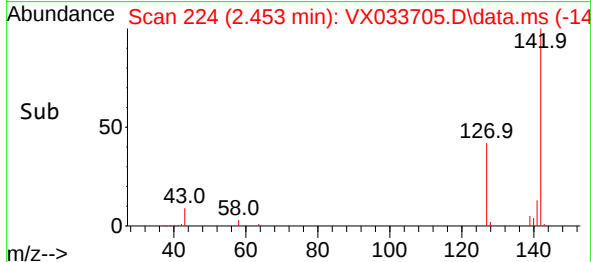
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01



Tgt Ion:142 Resp: 29440  
Ion Ratio Lower Upper  
142 100  
127 41.7 23.2 69.5  
141 13.0 7.3 22.0

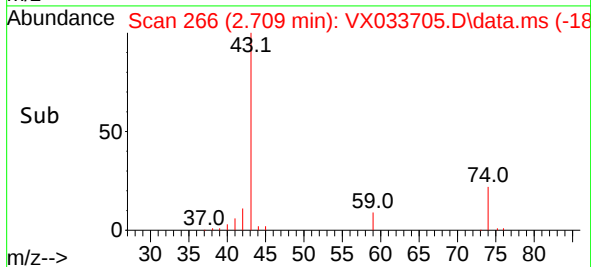
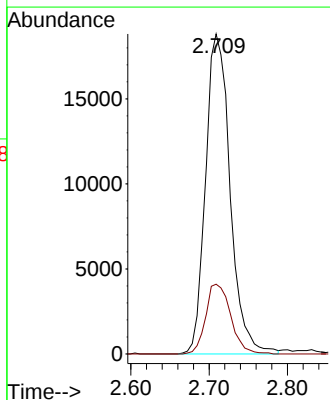
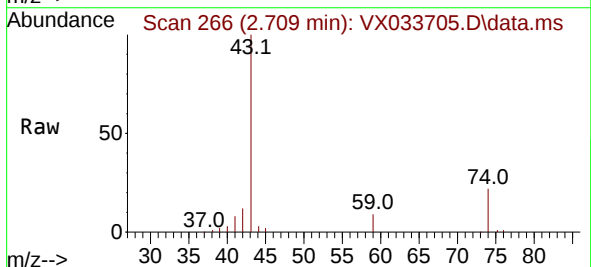
Manual Integrations  
APPROVED

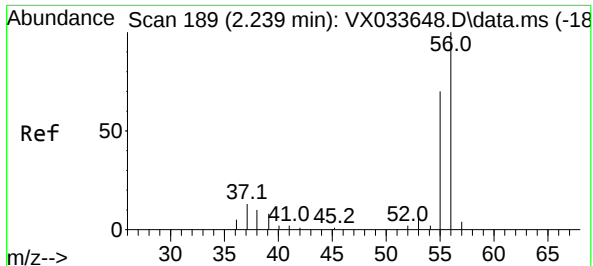
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#12  
Methyl Acetate  
Concen: 17.318 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

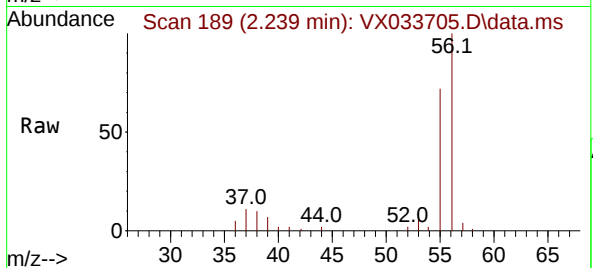
Tgt Ion: 43 Resp: 40978  
Ion Ratio Lower Upper  
43 100  
74 21.9 17.0 25.6





#13  
Acrolein  
Concen: 104.810 ug/l  
RT: 2.239 min Scan# 189  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

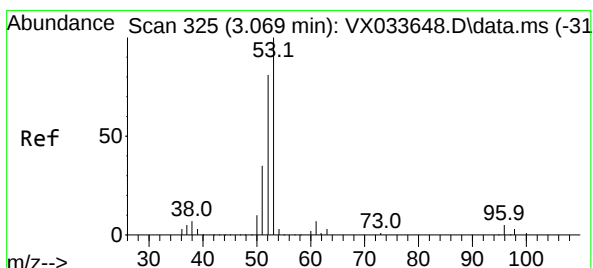
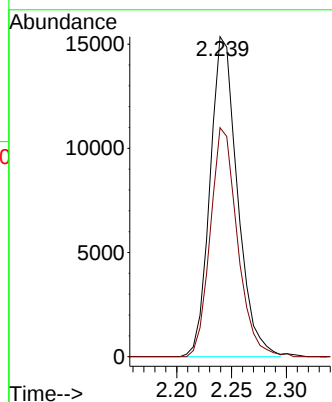
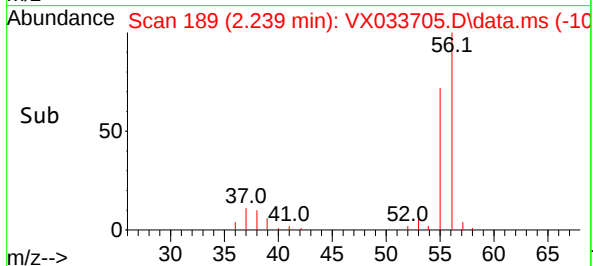
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01



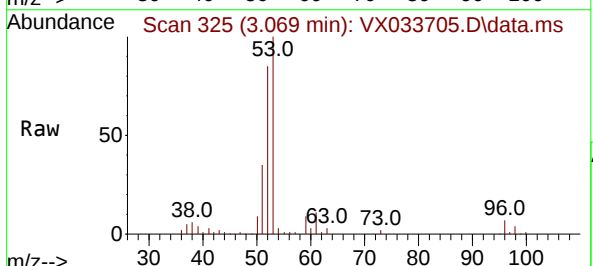
Tgt Ion: 56 Resp: 26740  
Ion Ratio Lower Upper  
56 100  
55 70.6 56.1 84.1

Manual Integrations  
APPROVED

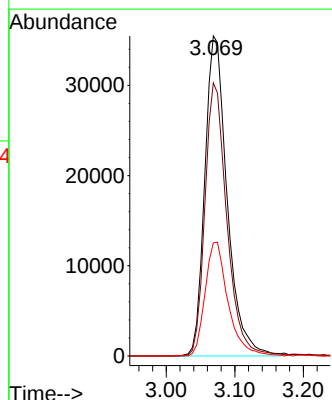
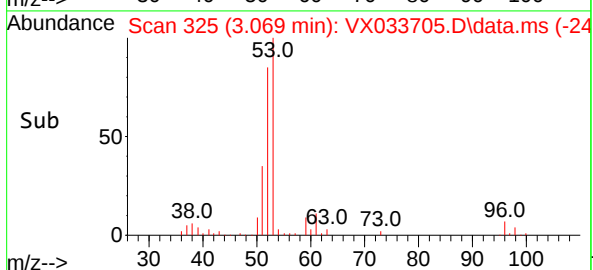
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023

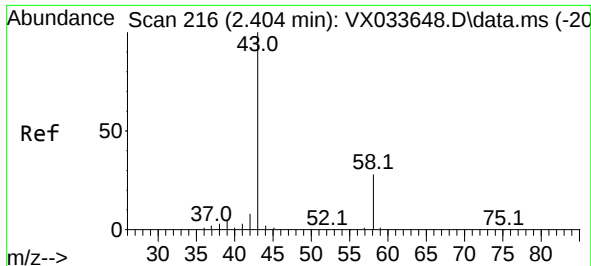


#14  
Acrylonitrile  
Concen: 103.332 ug/l  
RT: 3.069 min Scan# 325  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03



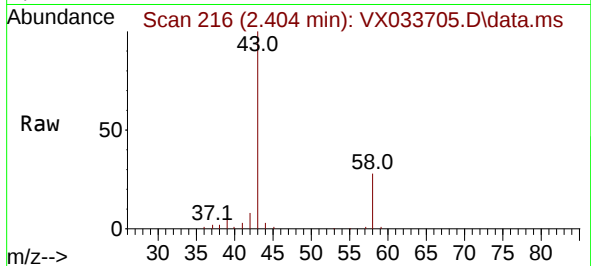
Tgt Ion: 53 Resp: 80631  
Ion Ratio Lower Upper  
53 100  
52 83.3 41.3 124.1  
51 36.4 18.4 55.4





#15  
Acetone  
Concen: 90.458 ug/l  
RT: 2.404 min Scan# 216  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

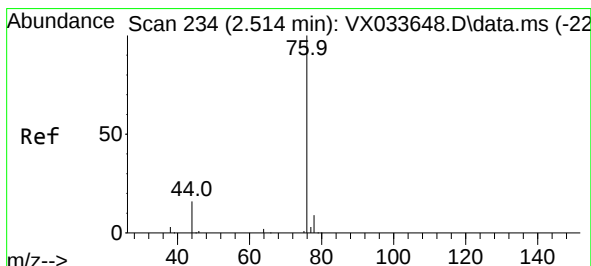
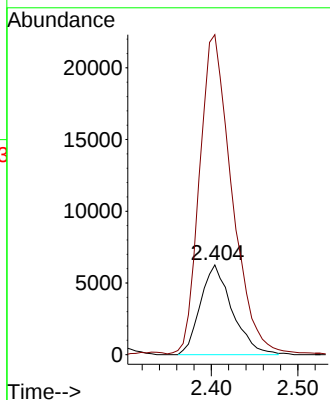
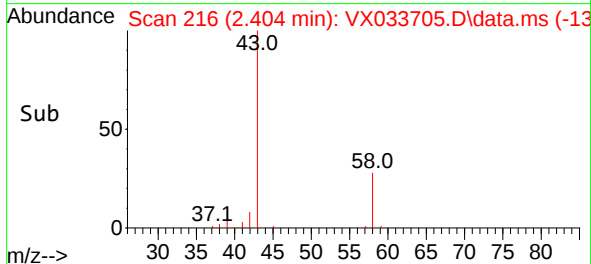
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01



Tgt Ion: 58 Resp: 15974  
Ion Ratio Lower Upper  
58 100  
43 352.1 288.3 432.5

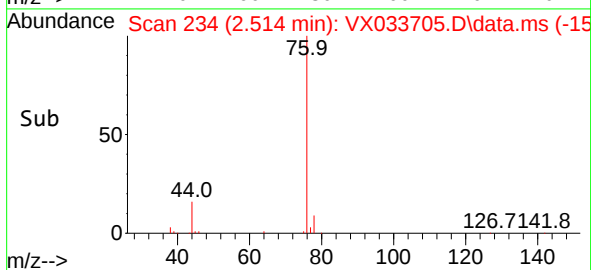
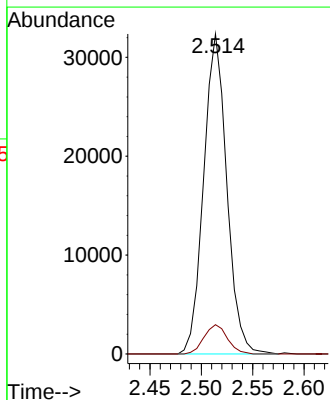
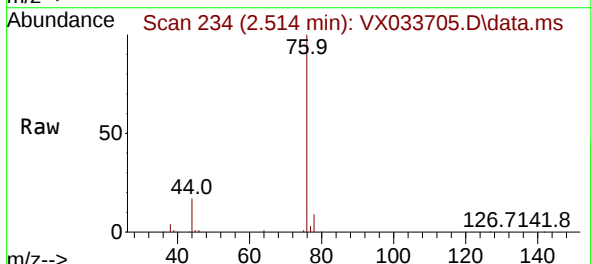
Manual Integrations  
APPROVED

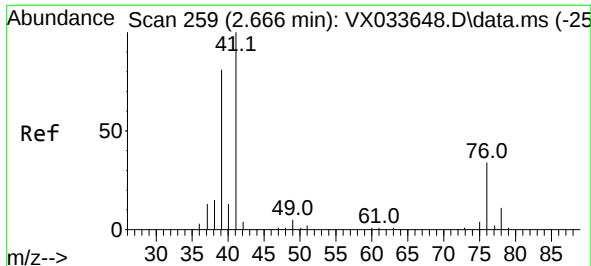
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#16  
Carbon Disulfide  
Concen: 15.410 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Tgt Ion: 76 Resp: 50683  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.0 10.4





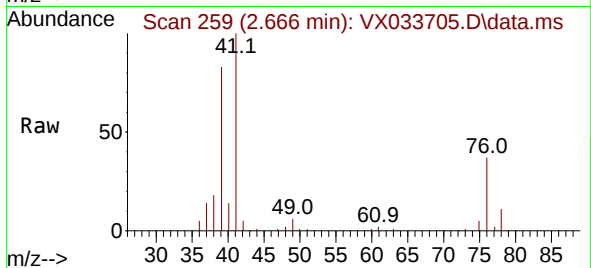
#17  
 Allyl chloride  
 Concen: 15.691 ug/l  
 RT: 2.666 min Scan# 259  
 Delta R.T. 0.000 min  
 Lab File: VX033705.D  
 Acq: 12 Jan 2023 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VX0112WBSD01

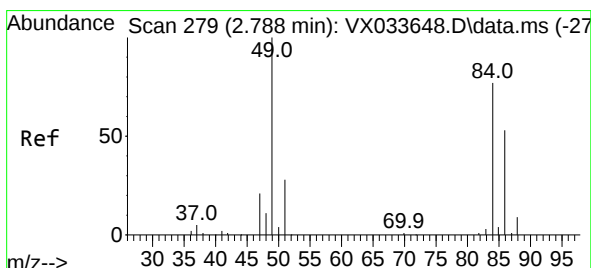
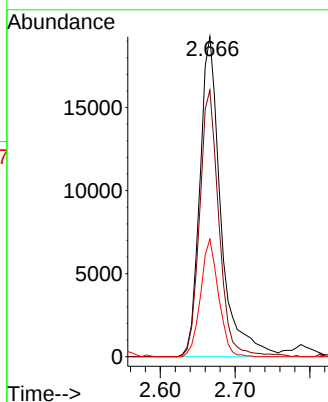
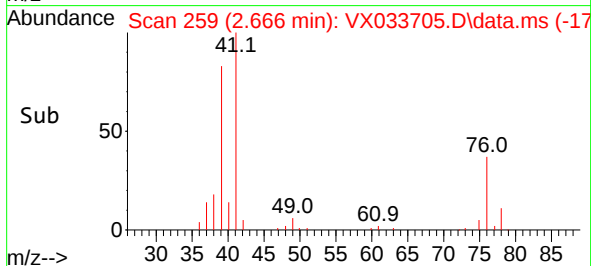


Tgt Ion: 41 Resp: 37728  
 Ion Ratio Lower Upper  
 41 100  
 39 83.3 40.3 120.8  
 76 36.8 17.0 50.9

Manual Integrations

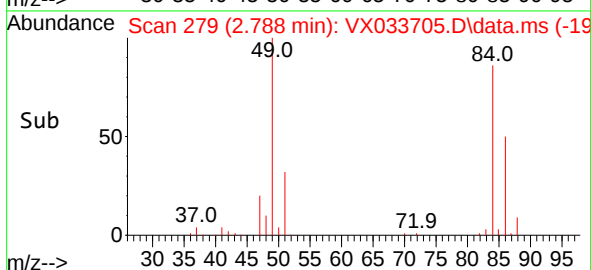
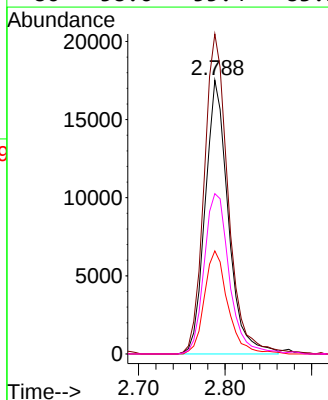
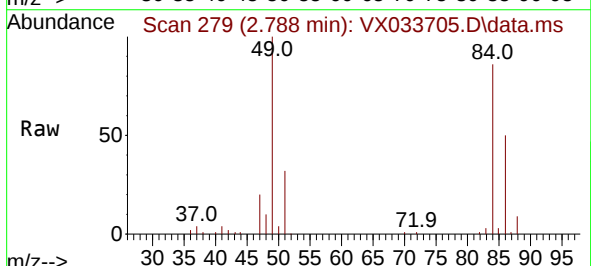
APPROVED

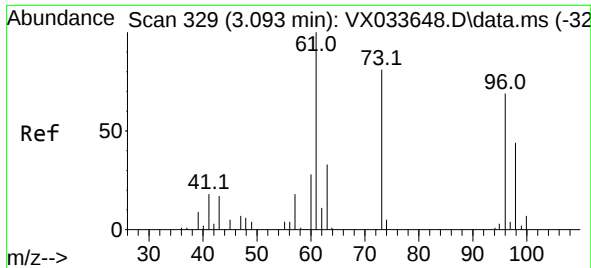
Reviewed By :John Carlone 01/13/2023  
 Supervised By :Mahesh Dadoda 01/13/2023



#18  
 Methylene Chloride  
 Concen: 20.577 ug/l  
 RT: 2.788 min Scan# 279  
 Delta R.T. 0.000 min  
 Lab File: VX033705.D  
 Acq: 12 Jan 2023 12:03

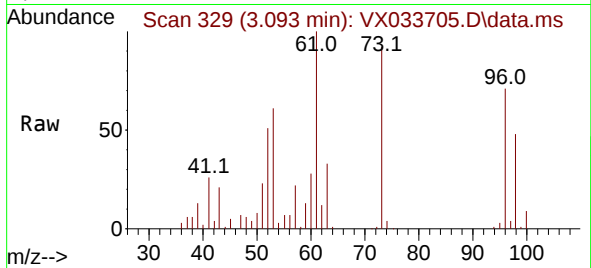
Tgt Ion: 84 Resp: 32570  
 Ion Ratio Lower Upper  
 84 100  
 49 116.9 104.1 156.1  
 51 37.6 29.2 43.8  
 86 58.6 55.4 83.2





#19  
trans-1,2-Dichloroethene  
Concen: 19.965 ug/l  
RT: 3.093 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

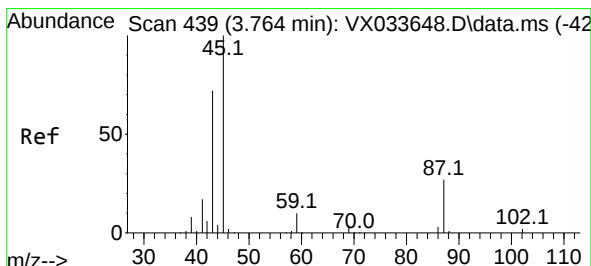
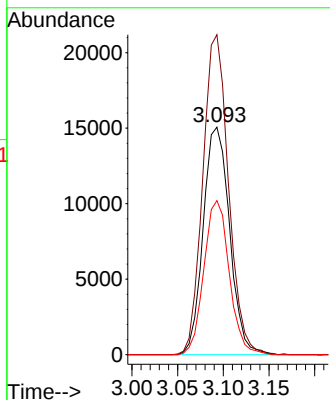
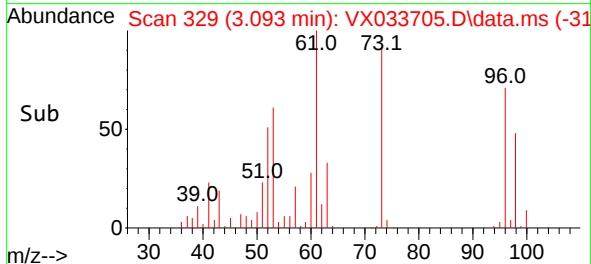
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01



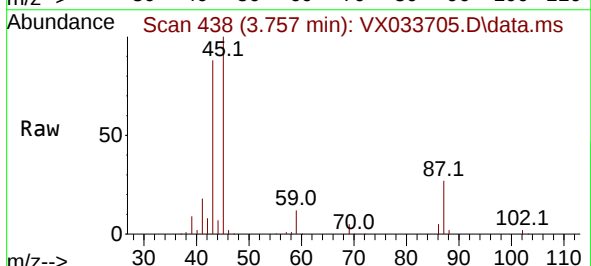
Tgt Ion: 96 Resp: 3031  
Ion Ratio Lower Upper  
96 100  
61 140.7 117.1 175.7  
98 67.7 52.0 78.0

Manual Integrations  
APPROVED

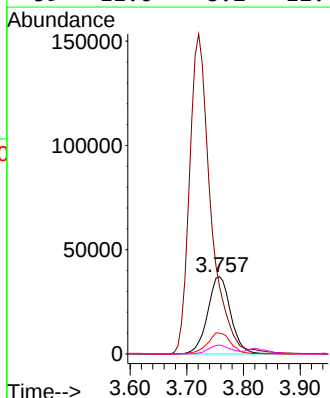
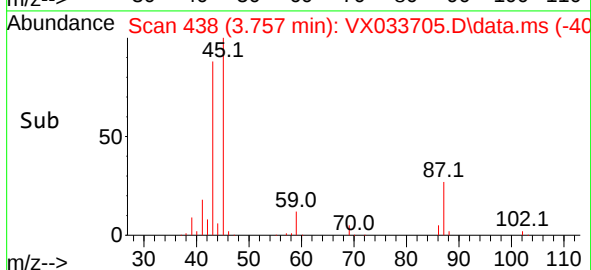
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023

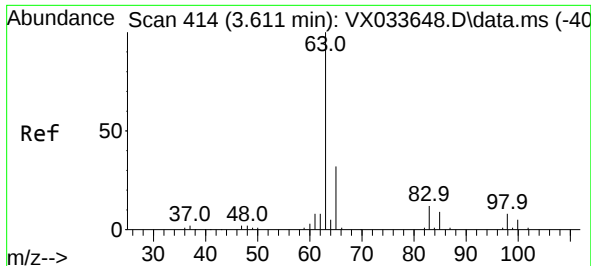


#20  
Diisopropyl ether  
Concen: 20.153 ug/l  
RT: 3.757 min Scan# 438  
Delta R.T. -0.006 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03



Tgt Ion: 45 Resp: 104584  
Ion Ratio Lower Upper  
45 100  
43 85.7 58.0 87.0  
87 27.0 21.7 32.5  
59 11.6 8.2 12.4





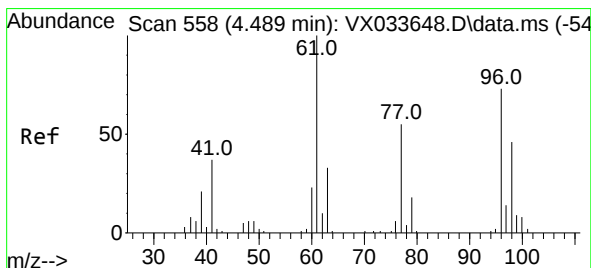
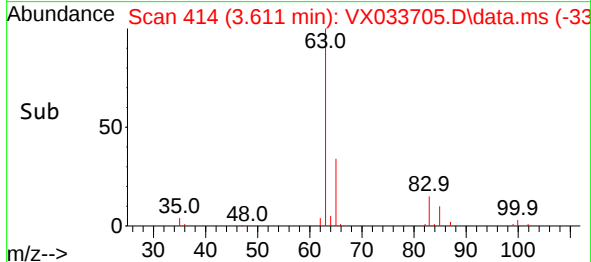
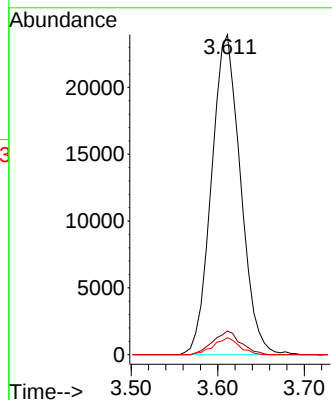
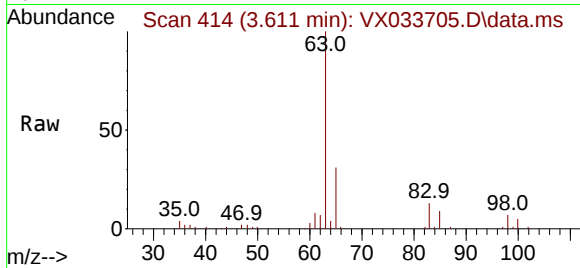
#21  
1,1-Dichloroethane  
Concen: 19.567 ug/l  
RT: 3.611 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01

Tgt Ion: 63 Resp: 5568  
Ion Ratio Lower Upper  
63 100  
98 7.4 4.0 12.2  
100 5.3 2.4 7.2

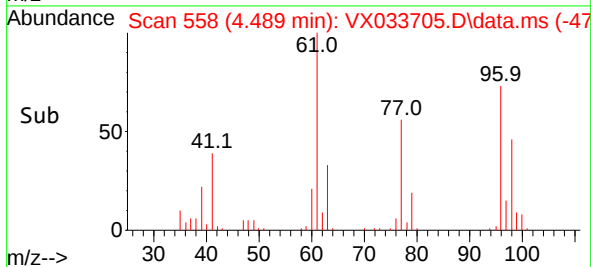
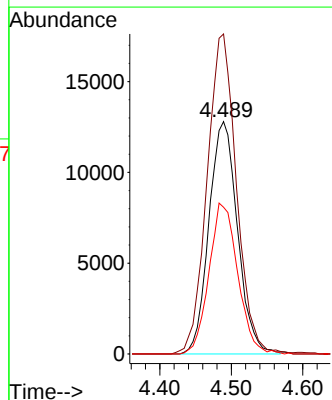
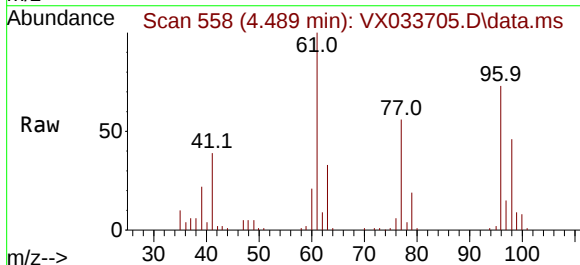
Manual Integrations  
APPROVED

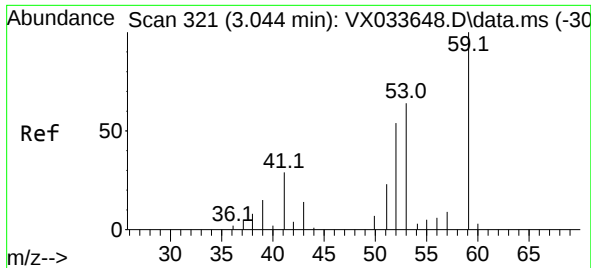
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#22  
cis-1,2-Dichloroethene  
Concen: 19.706 ug/l  
RT: 4.489 min Scan# 558  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Tgt Ion: 96 Resp: 35584  
Ion Ratio Lower Upper  
96 100  
61 140.6 114.2 171.2  
98 64.6 51.4 77.0





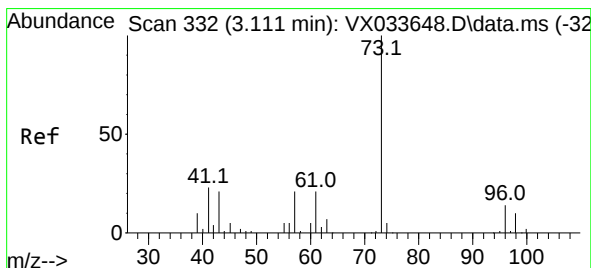
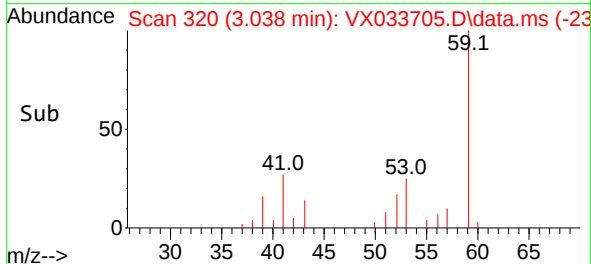
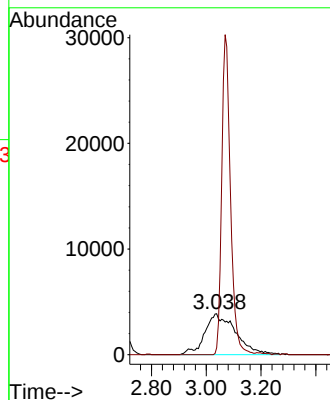
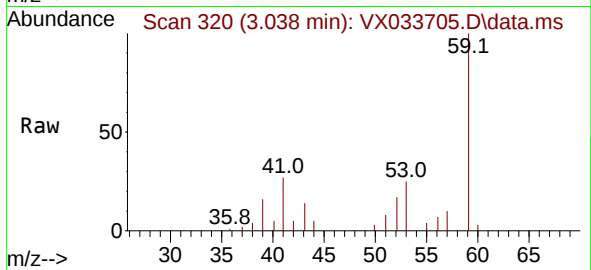
#23  
tert-Butyl Alcohol  
Concen: 98.770 ug/l m  
RT: 3.038 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01

Tgt Ion: 59 Resp: 3044  
Ion Ratio Lower Upper  
59 100  
52 220.7 0.2 0.2

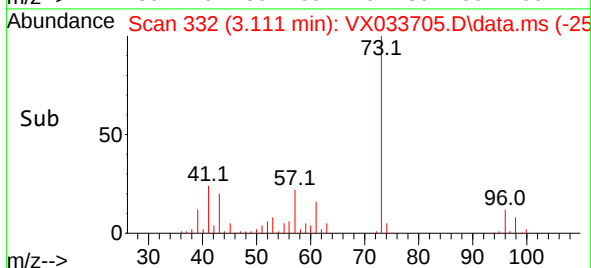
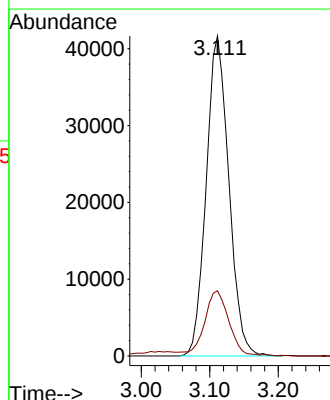
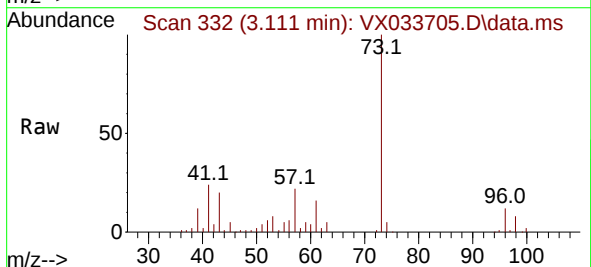
Manual Integrations  
APPROVED

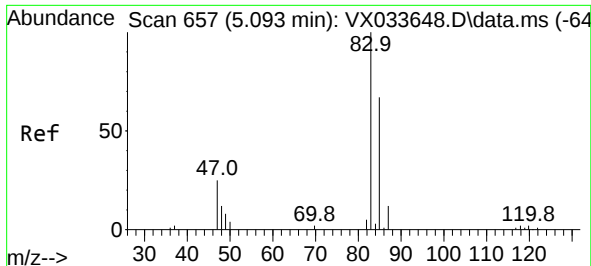
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#24  
Methyl tert-Butyl Ether  
Concen: 19.816 ug/l  
RT: 3.111 min Scan# 332  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

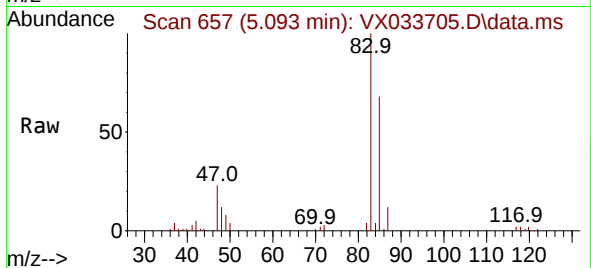
Tgt Ion: 73 Resp: 95637  
Ion Ratio Lower Upper  
73 100  
43 20.7 18.1 27.1





#25  
Chloroform  
Concen: 19.923 ug/l  
RT: 5.093 min Scan# 657  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

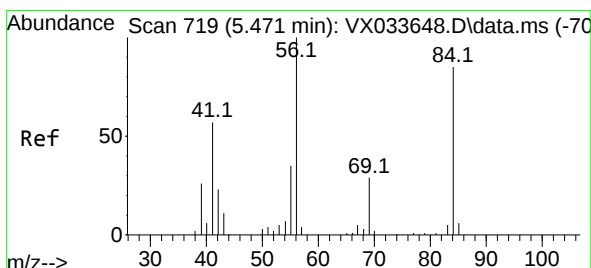
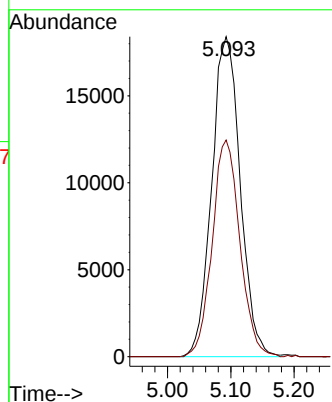
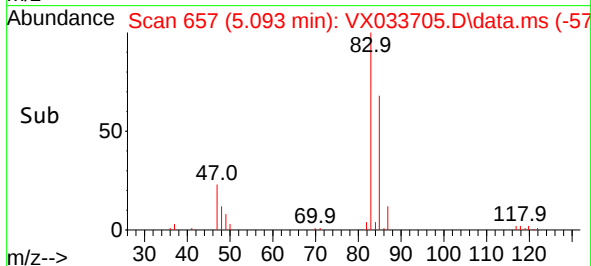
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01



Tgt Ion: 83 Resp: 57550  
Ion Ratio Lower Upper  
83 100  
85 67.7 53.9 80.9

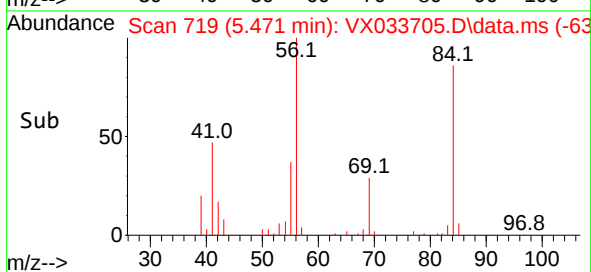
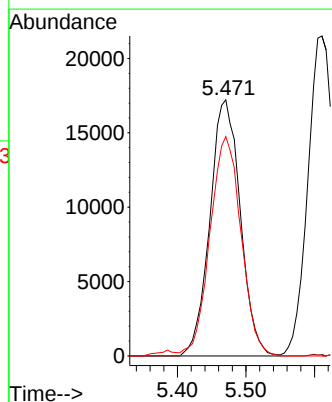
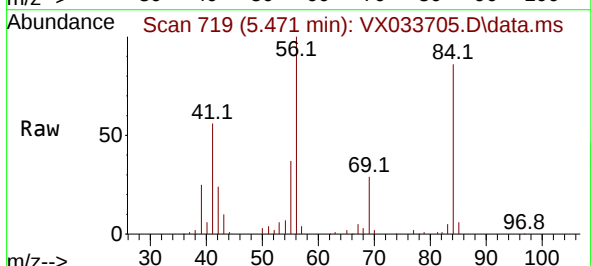
Manual Integrations  
APPROVED

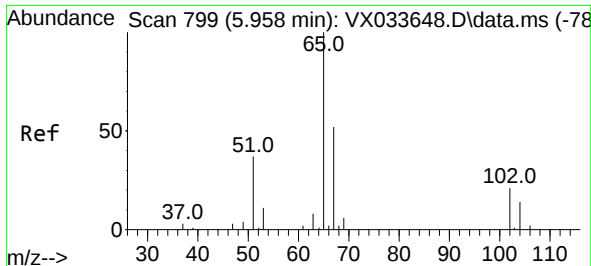
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#26  
Cyclohexane  
Concen: 20.069 ug/l  
RT: 5.471 min Scan# 719  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Tgt Ion: 56 Resp: 53012  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 87.4 70.8 106.2





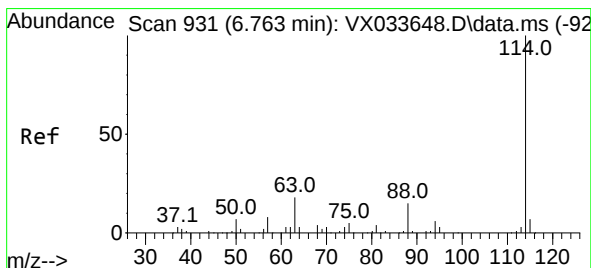
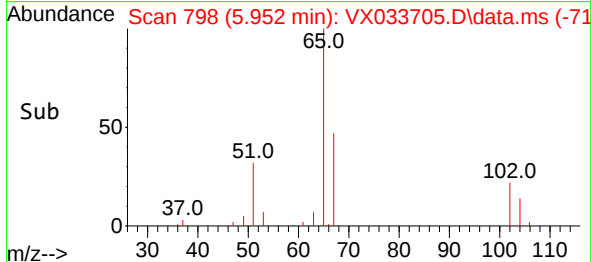
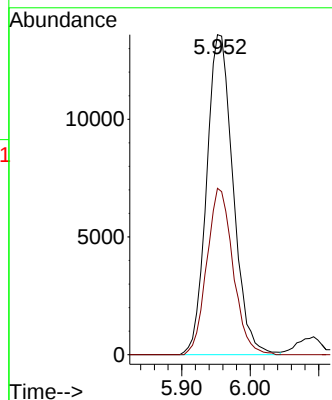
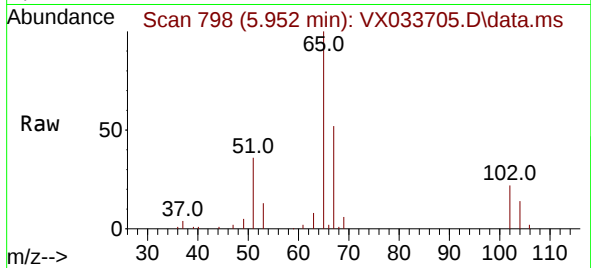
#27  
1,2-Dichloroethane-d4  
Concen: 30.427 ug/l  
RT: 5.952 min Scan# 799  
Delta R.T. -0.006 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01

Tgt Ion: 65 Resp: 36450  
Ion Ratio Lower Upper  
65 100  
67 51.5 40.4 60.6

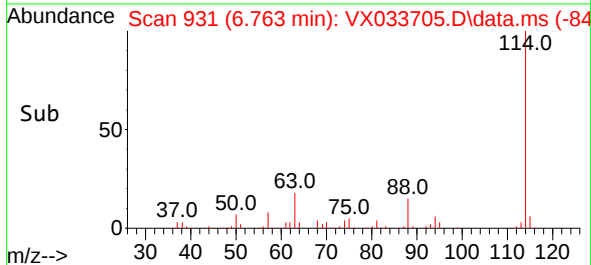
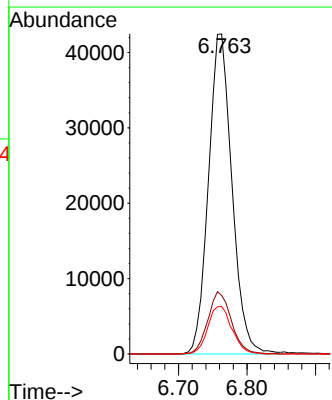
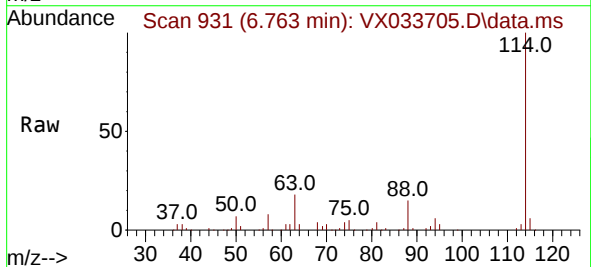
Manual Integrations  
APPROVED

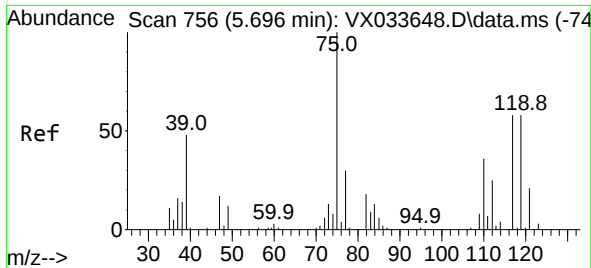
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

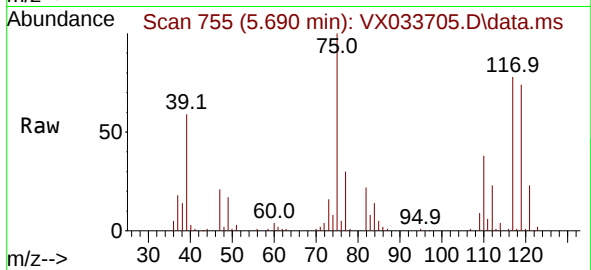
Tgt Ion:114 Resp: 101200  
Ion Ratio Lower Upper  
114 100  
63 19.4 15.5 23.3  
88 15.2 12.4 18.6





#29  
1,1-Dichloropropene  
Concen: 19.446 ug/l  
RT: 5.690 min Scan# 756  
Delta R.T. -0.006 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

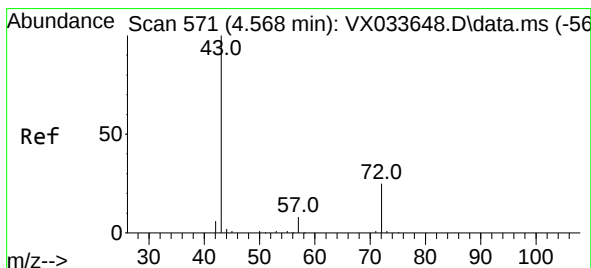
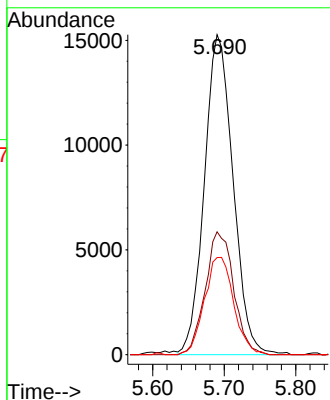
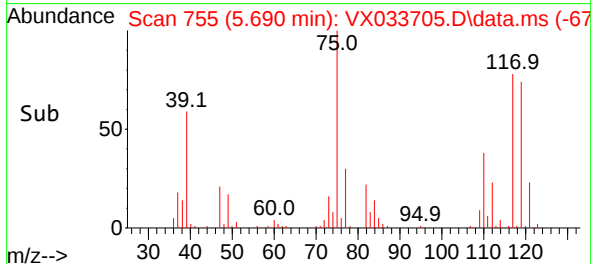
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01



Tgt Ion: 75 Resp: 42538  
Ion Ratio Lower Upper  
75 100  
110 38.0 0.0 71.4  
77 31.0 0.0 61.0

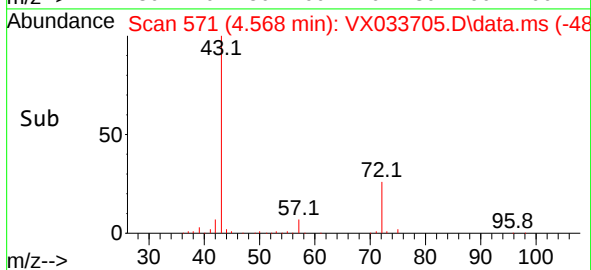
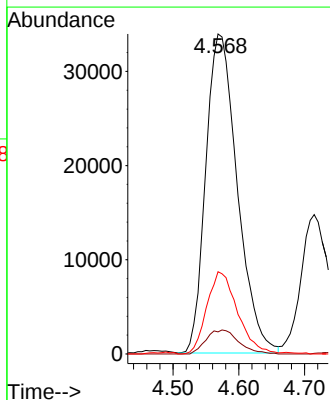
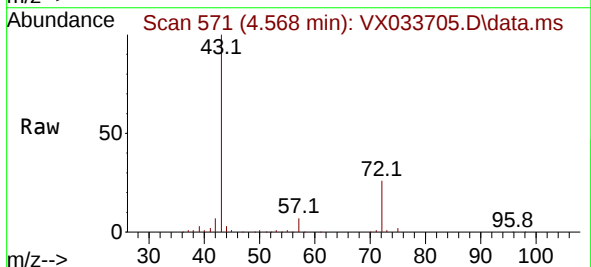
Manual Integrations  
APPROVED

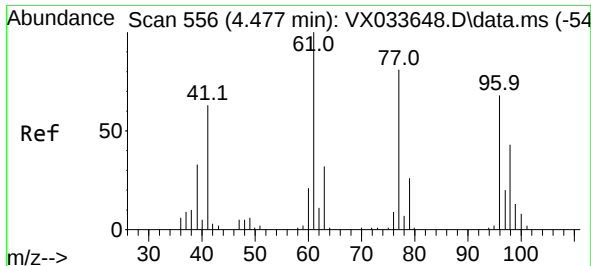
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#30  
2-Butanone  
Concen: 98.948 ug/l  
RT: 4.568 min Scan# 571  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Tgt Ion: 43 Resp: 113034  
Ion Ratio Lower Upper  
43 100  
57 7.8 3.4 5.2#  
72 25.0 19.8 29.6





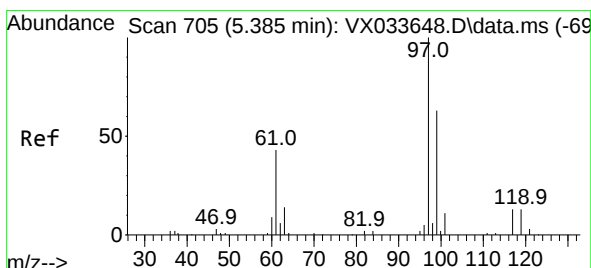
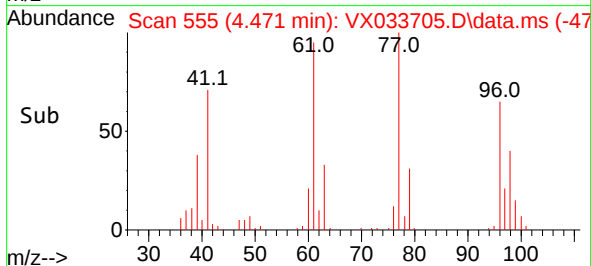
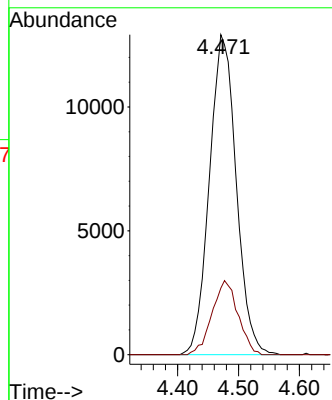
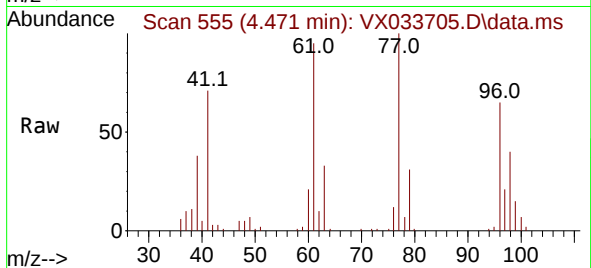
#31  
2,2-Dichloropropane  
Concen: 20.985 ug/l  
RT: 4.471 min Scan# 511  
Delta R.T. -0.006 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01

Tgt Ion: 77 Resp: 3952  
Ion Ratio Lower Upper  
77 100  
97 22.4 19.0 28.6

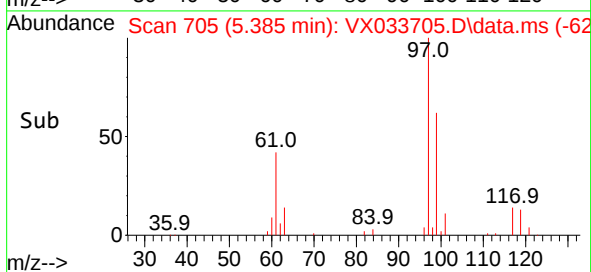
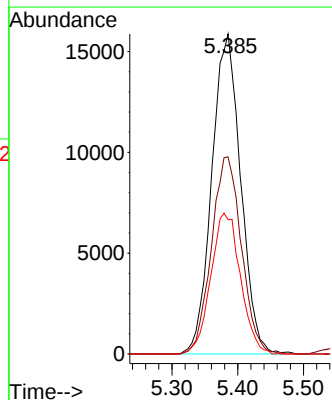
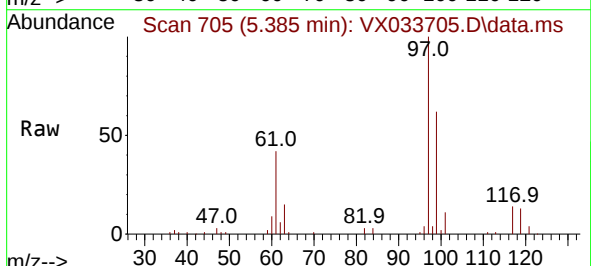
Manual Integrations  
APPROVED

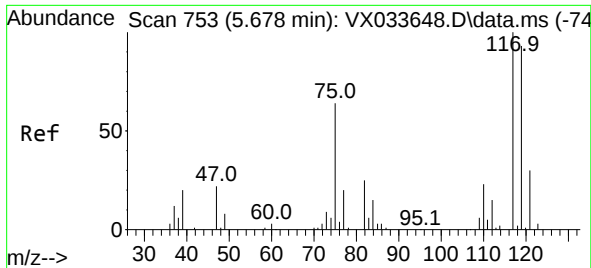
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#32  
1,1,1-Trichloroethane  
Concen: 19.000 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

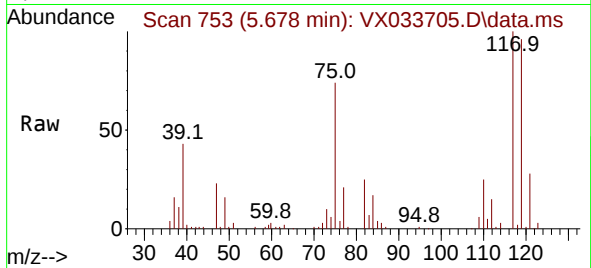
Tgt Ion: 97 Resp: 48525  
Ion Ratio Lower Upper  
97 100  
99 63.8 52.0 78.0  
61 45.2 35.4 53.2





#33  
Carbon Tetrachloride  
Concen: 19.523 ug/l  
RT: 5.678 min Scan# 753  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

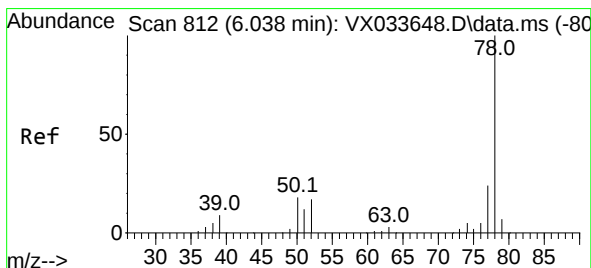
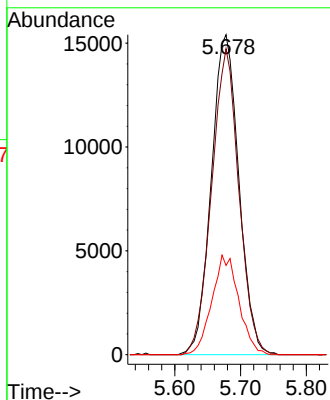
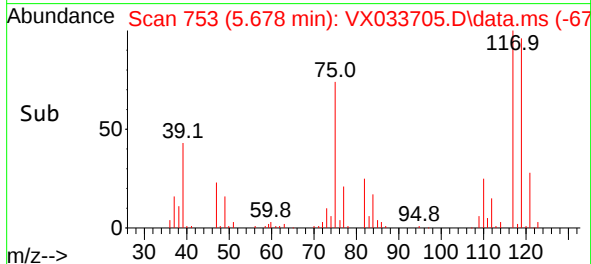
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01



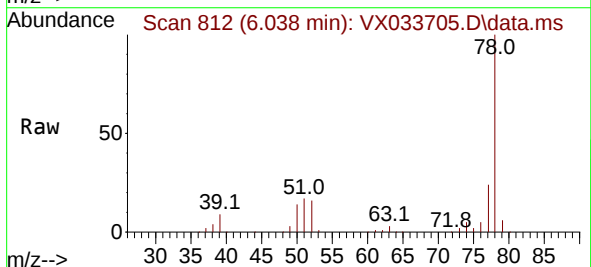
Tgt Ion:117 Resp: 4500  
Ion Ratio Lower Upper  
117 100  
119 95.6 74.8 112.2  
121 27.9 23.8 35.8

Manual Integrations  
APPROVED

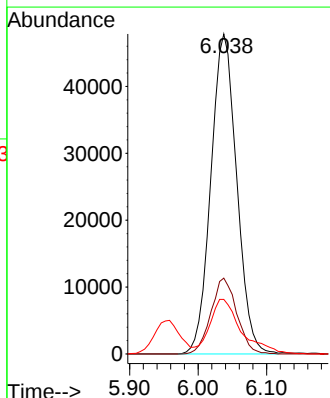
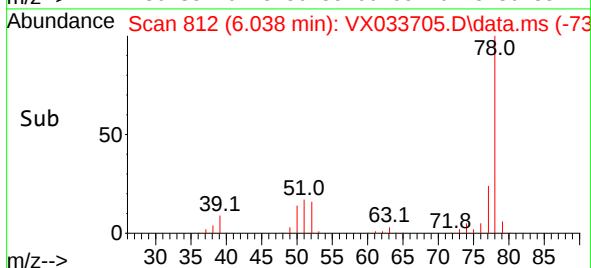
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023

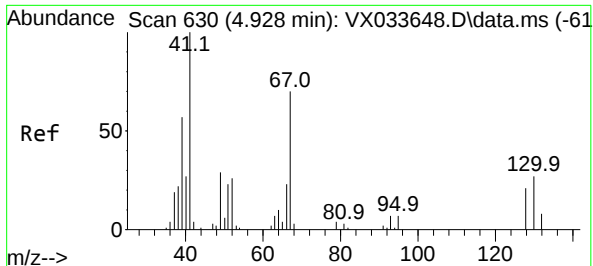


#34  
Benzene  
Concen: 19.727 ug/l  
RT: 6.038 min Scan# 812  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03



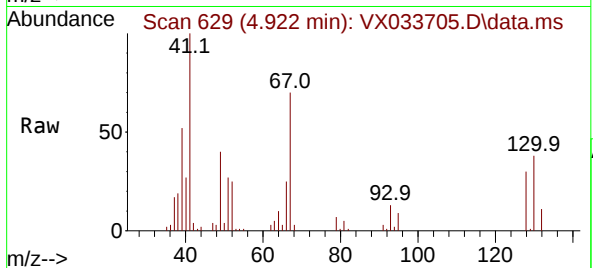
Tgt Ion: 78 Resp: 125362  
Ion Ratio Lower Upper  
78 100  
77 23.7 19.5 29.3  
51 16.2 13.0 19.6





#35  
Methacrylonitrile  
Concen: 19.564 ug/l  
RT: 4.922 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

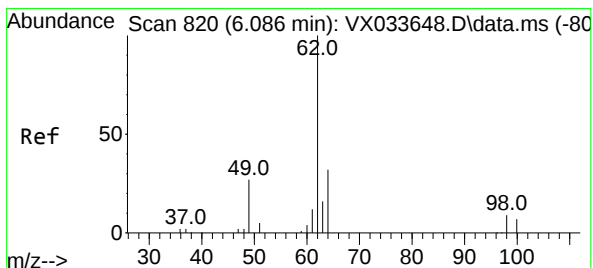
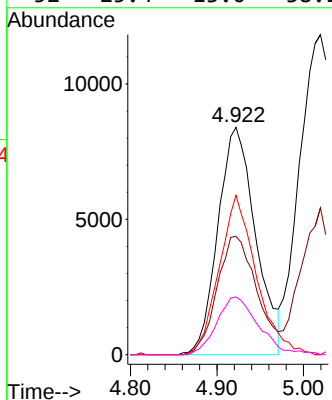
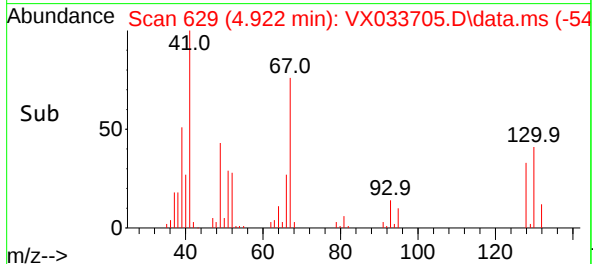
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01



Tgt Ion: 41 Resp: 2546  
Ion Ratio Lower Upper  
41 100  
39 52.1 28.6 85.9  
67 70.1 34.8 104.3  
52 25.4 13.0 38.9

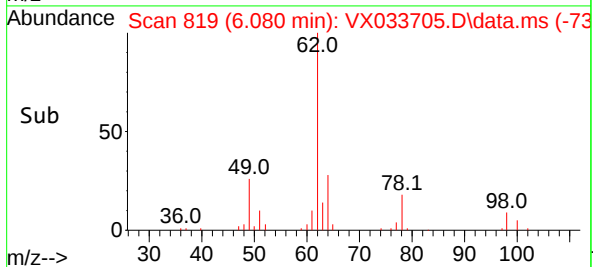
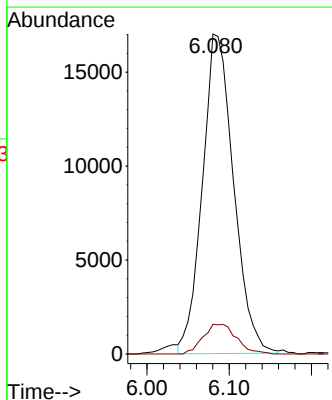
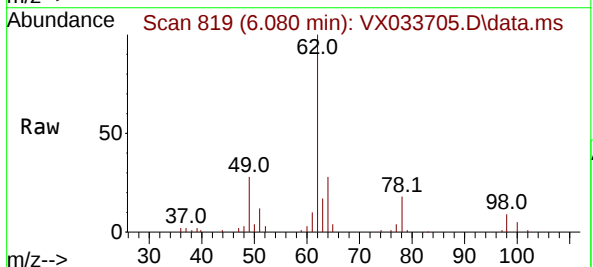
Manual Integrations  
APPROVED

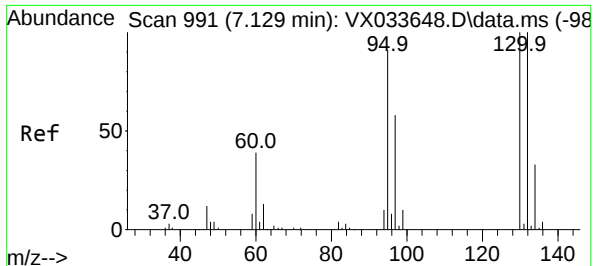
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#36  
1,2-Dichloroethane  
Concen: 19.408 ug/l  
RT: 6.080 min Scan# 819  
Delta R.T. -0.006 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Tgt Ion: 62 Resp: 44835  
Ion Ratio Lower Upper  
62 100  
98 9.9 7.4 11.0





#37

Trichloroethene

Concen: 19.088 ug/l

RT: 7.123 min Scan# 991

Delta R.T. -0.006 min

Lab File: VX033705.D

Acq: 12 Jan 2023 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VX0112WBSD01

Tgt Ion:130 Resp: 34984

Ion Ratio Lower Upper

130 100

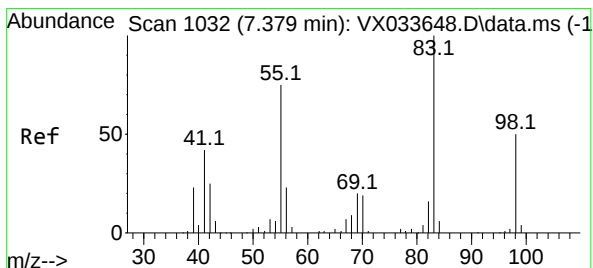
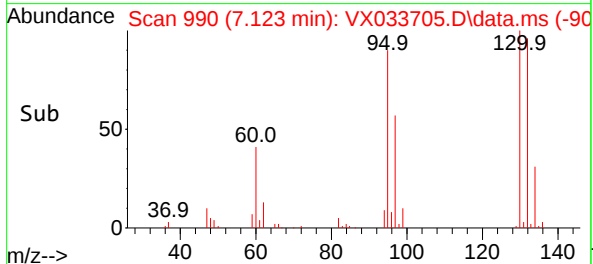
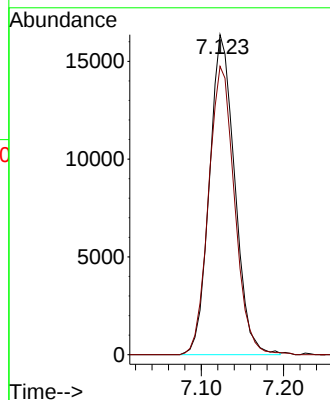
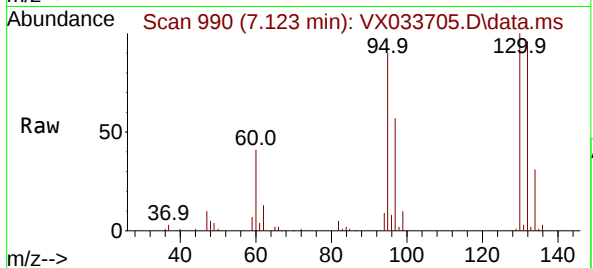
95 90.1 73.1 109.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/13/2023

Supervised By :Mahesh Dadoda 01/13/2023



#38

Methylcyclohexane

Concen: 20.143 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX033705.D

Acq: 12 Jan 2023 12:03

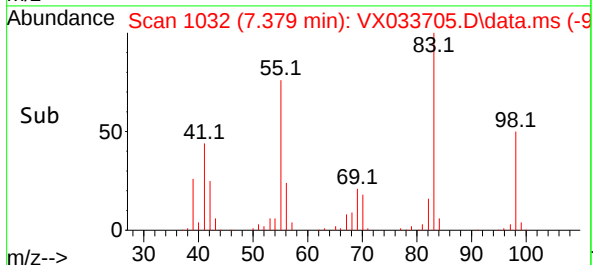
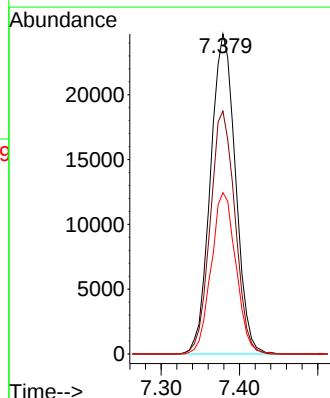
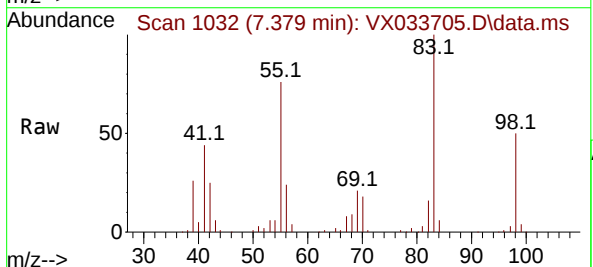
Tgt Ion: 83 Resp: 54791

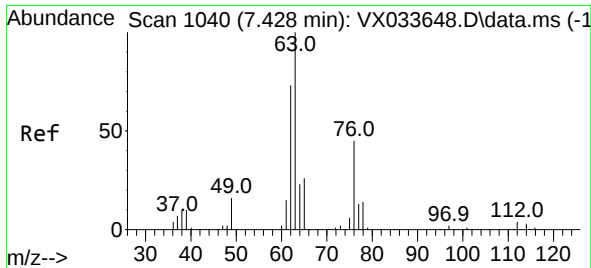
Ion Ratio Lower Upper

83 100

55 75.1 38.6 115.7

98 49.9 25.3 75.8





#39

1,2-Dichloropropane

Concen: 20.072 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX033705.D

Acq: 12 Jan 2023 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VX0112WBSD01

Tgt Ion: 63 Resp: 3259

Ion Ratio Lower Upper

63 100

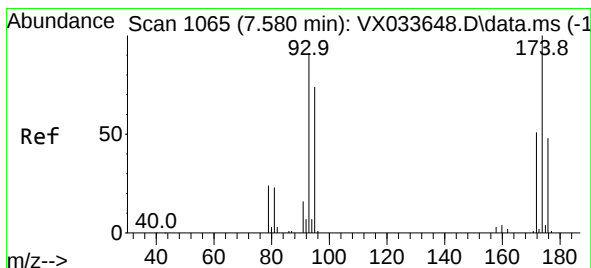
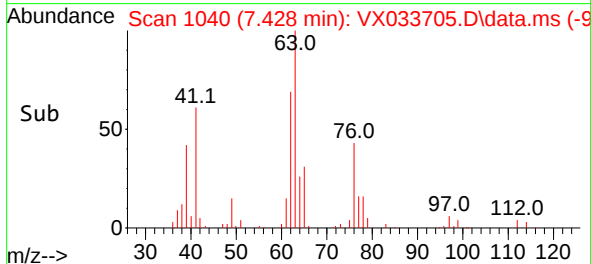
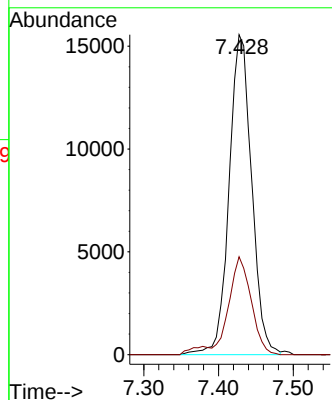
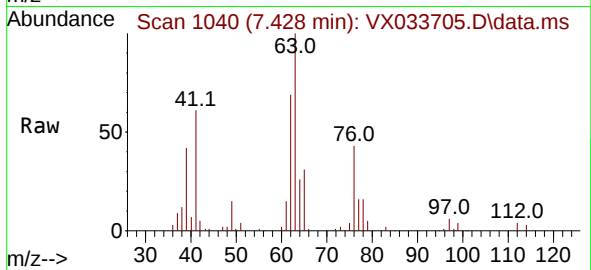
65 30.6 23.2 34.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/13/2023

Supervised By :Mahesh Dadoda 01/13/2023



#40

Dibromomethane

Concen: 19.257 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VX033705.D

Acq: 12 Jan 2023 12:03

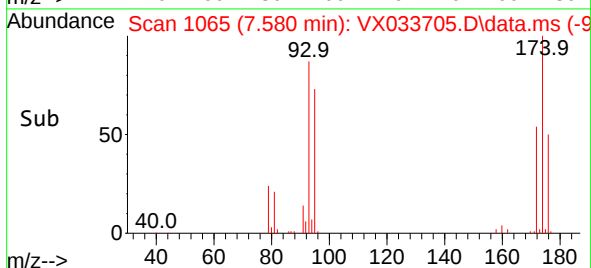
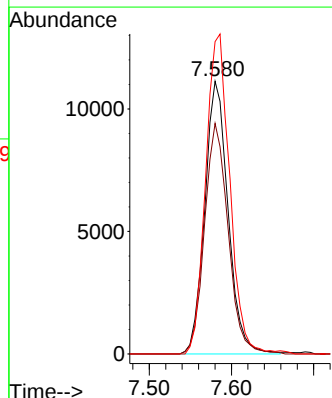
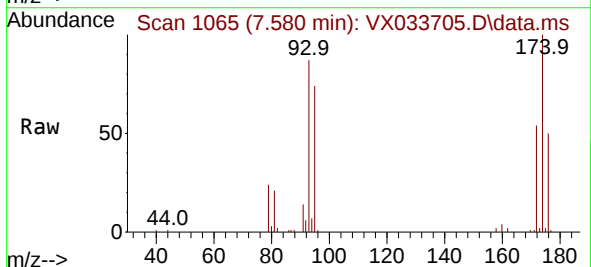
Tgt Ion: 93 Resp: 21980

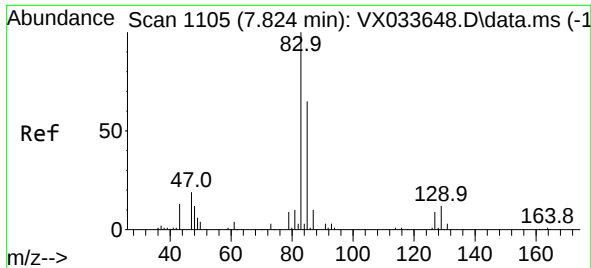
Ion Ratio Lower Upper

93 100

95 85.4 0.0 166.4

174 120.4 0.0 233.8





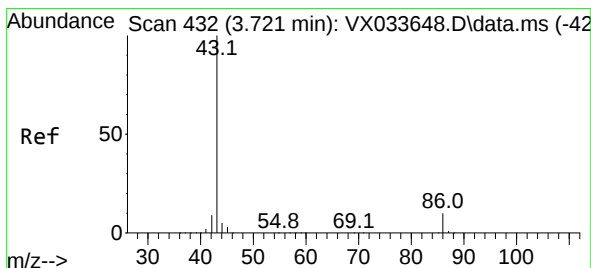
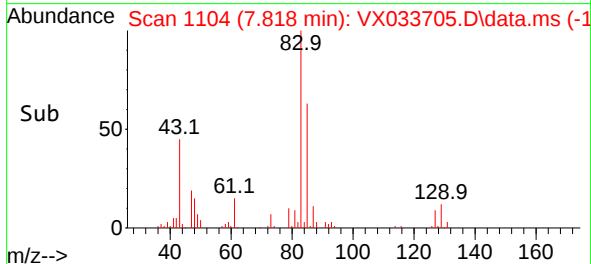
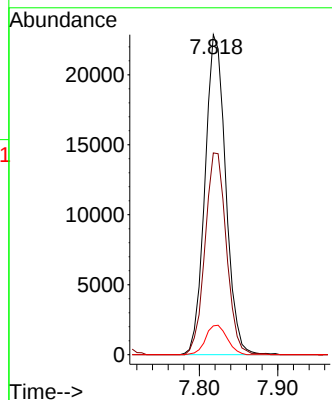
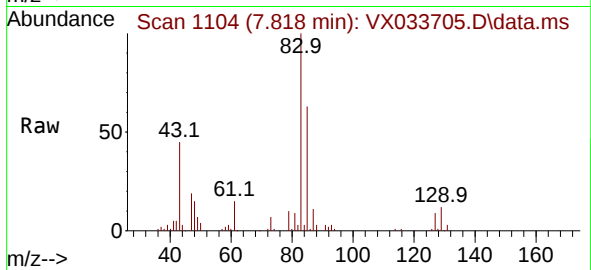
#41  
Bromodichloromethane  
Concen: 19.003 ug/l  
RT: 7.818 min Scan# 1105  
Delta R.T. -0.006 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01

Tgt Ion: 83 Resp: 42069  
Ion Ratio Lower Upper  
83 100  
85 63.1 52.0 78.0  
127 9.0 7.4 11.0

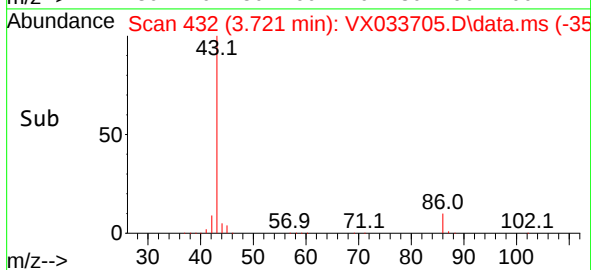
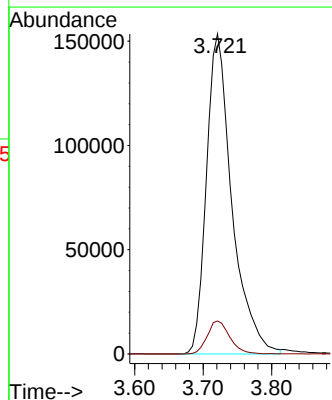
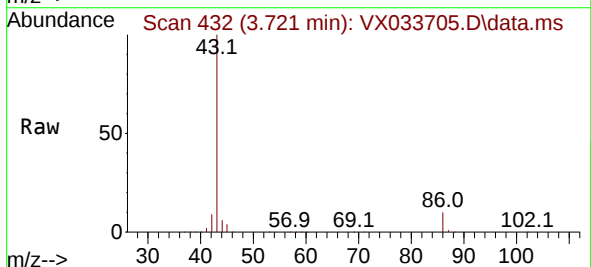
Manual Integrations  
APPROVED

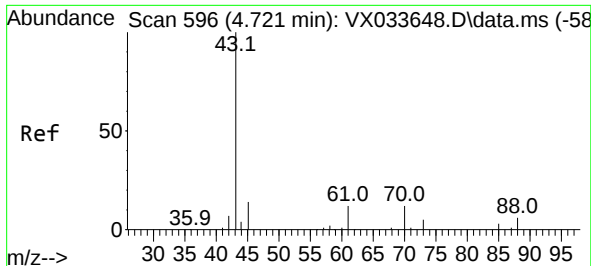
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#42  
Vinyl Acetate  
Concen: 97.252 ug/l  
RT: 3.721 min Scan# 432  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

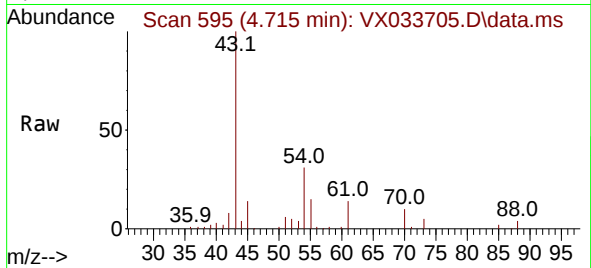
Tgt Ion: 43 Resp: 397013  
Ion Ratio Lower Upper  
43 100  
86 9.1 7.2 10.8





#43  
Ethyl Acetate  
Concen: 19.337 ug/l  
RT: 4.715 min Scan# 595  
Delta R.T. -0.006 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

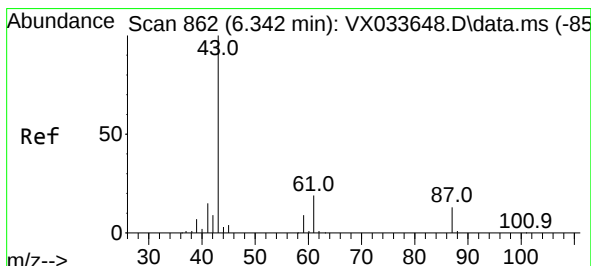
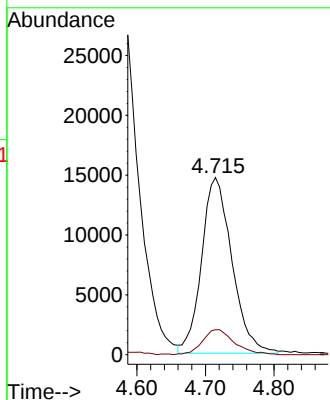
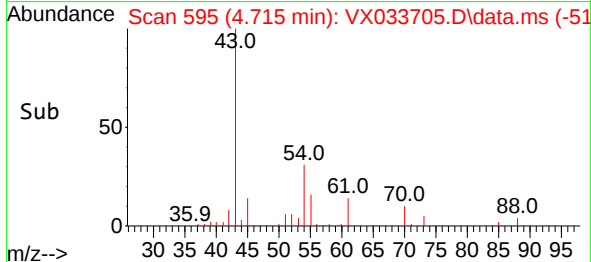
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01



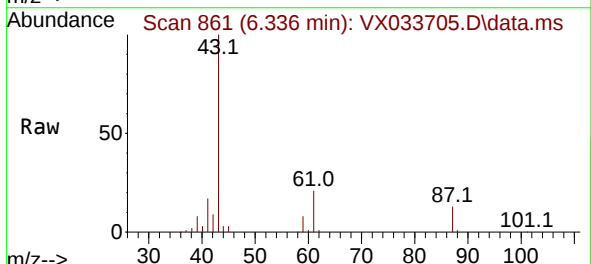
Tgt Ion: 43 Resp: 45264  
Ion Ratio Lower Upper  
43 100  
45 14.7 11.2 16.8

Manual Integrations  
APPROVED

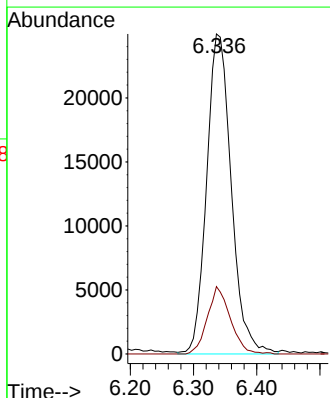
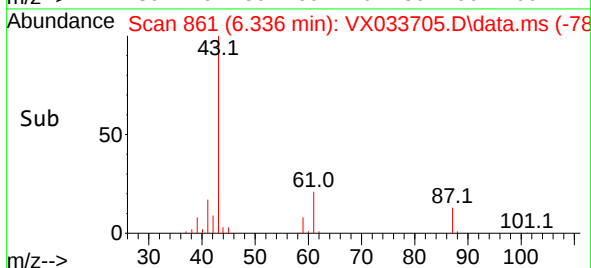
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023

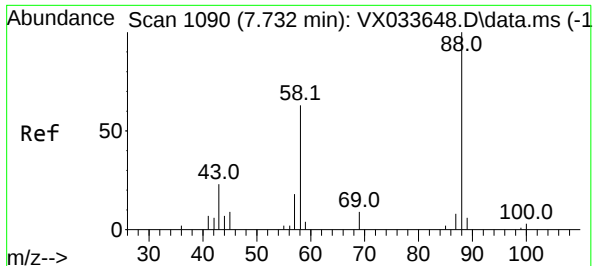


#44  
Isopropyl Acetate  
Concen: 18.429 ug/l  
RT: 6.336 min Scan# 861  
Delta R.T. -0.006 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03



Tgt Ion: 43 Resp: 67677  
Ion Ratio Lower Upper  
43 100  
61 19.5 15.4 23.2





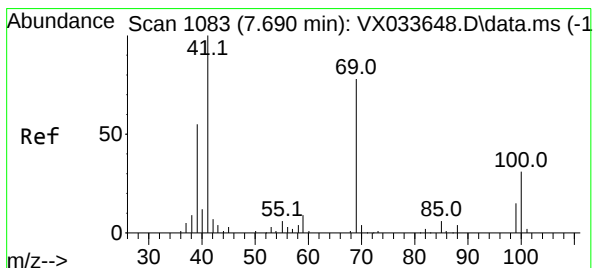
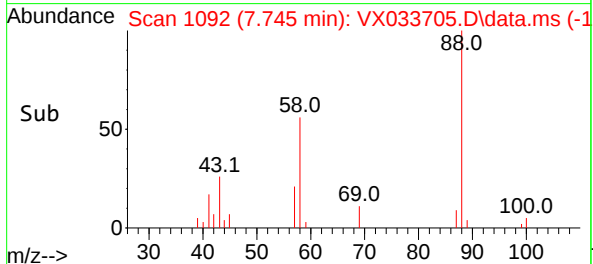
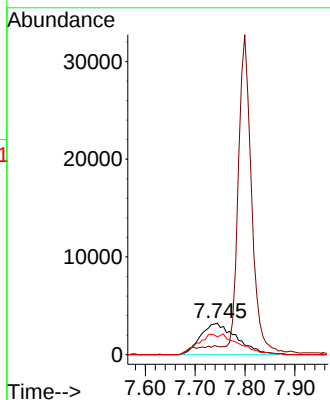
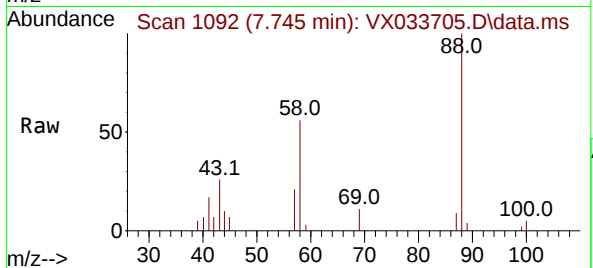
#45  
1,4-Dioxane  
Concen: 406.519 ug/l  
RT: 7.745 min Scan# 1092  
Delta R.T. 0.012 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01

Tgt Ion: 88 Resp: 1628  
Ion Ratio Lower Upper  
88 100  
43 1.2 1.2 1.8  
58 34.8 8.5 12.7

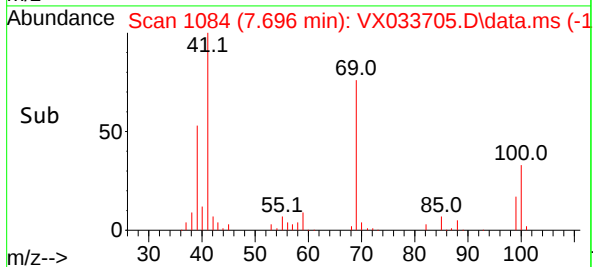
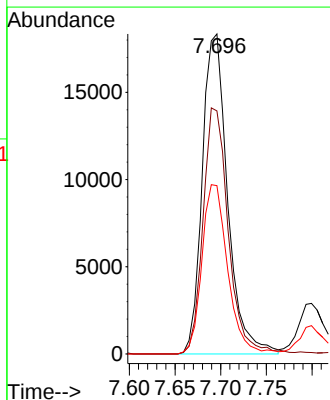
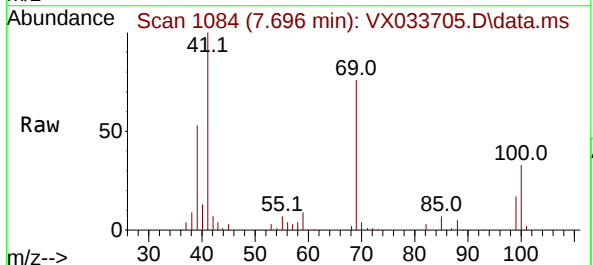
Manual Integrations  
APPROVED

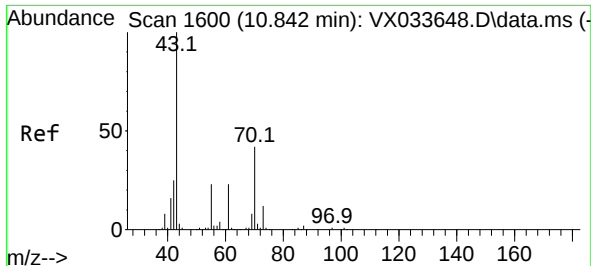
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#46  
Methyl methacrylate  
Concen: 19.101 ug/l  
RT: 7.696 min Scan# 1084  
Delta R.T. 0.006 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

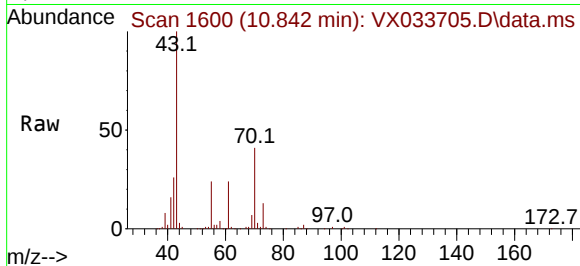
Tgt Ion: 41 Resp: 35515  
Ion Ratio Lower Upper  
41 100  
69 75.9 39.1 117.3  
39 52.6 27.7 83.0





#47  
n-amyl acetate  
Concen: 18.496 ug/l  
RT: 10.842 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

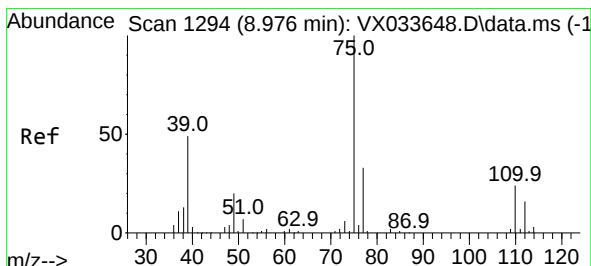
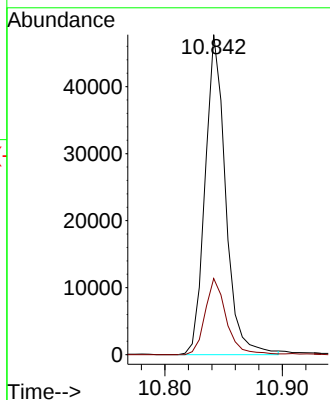
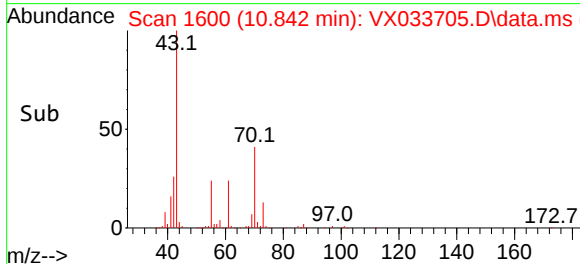
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01



Tgt Ion: 43 Resp: 5783  
Ion Ratio Lower Upper  
43 100  
55 24.5 19.3 28.9

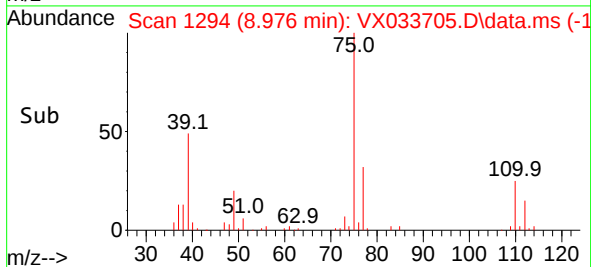
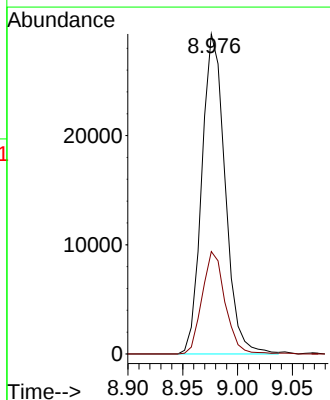
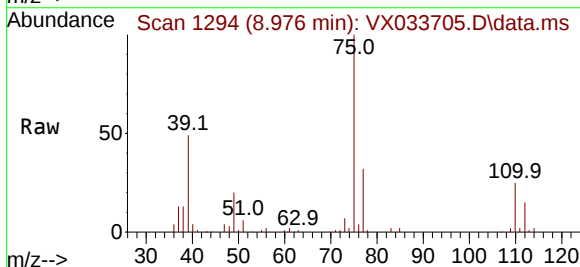
Manual Integrations  
APPROVED

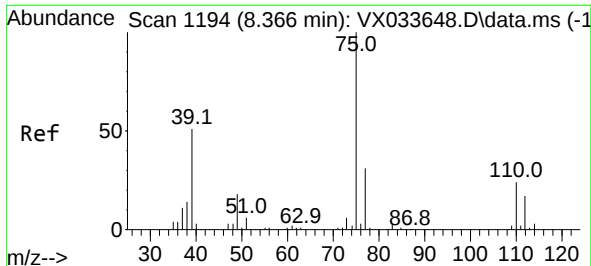
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#48  
t-1,3-Dichloropropene  
Concen: 19.171 ug/l  
RT: 8.976 min Scan# 1294  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Tgt Ion: 75 Resp: 43366  
Ion Ratio Lower Upper  
75 100  
77 32.0 26.5 39.7





#49

cis-1,3-Dichloropropene

Concen: 19.407 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX033705.D

Acq: 12 Jan 2023 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VX0112WBSD01

Tgt Ion: 75 Resp: 4875

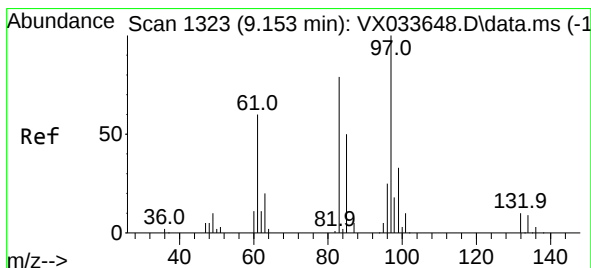
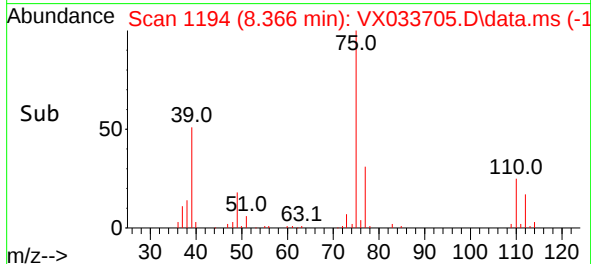
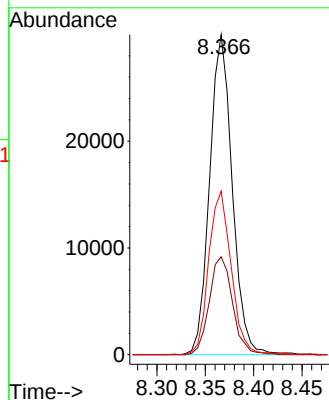
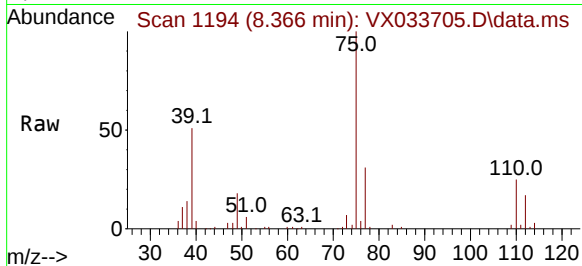
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 30.6  | 24.7  | 37.1  |
| 39  | 51.1  | 40.7  | 61.1  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/13/2023

Supervised By :Mahesh Dadoda 01/13/2023



#50

1,1,2-Trichloroethane

Concen: 19.516 ug/l

RT: 9.153 min Scan# 1323

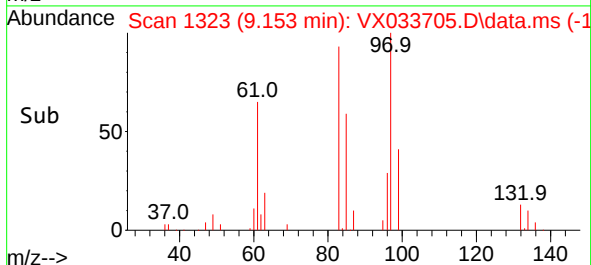
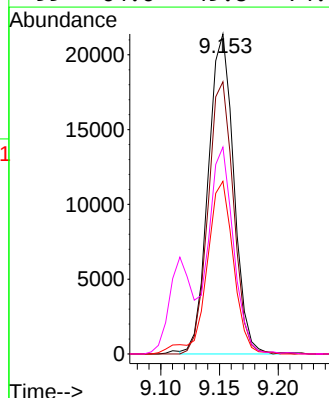
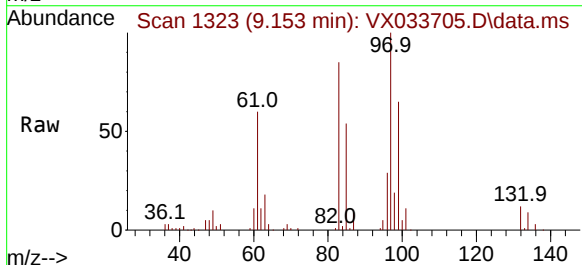
Delta R.T. 0.000 min

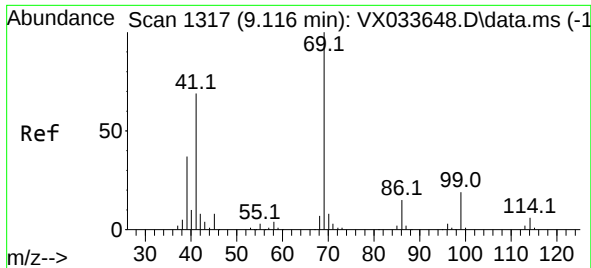
Lab File: VX033705.D

Acq: 12 Jan 2023 12:03

Tgt Ion: 97 Resp: 32334

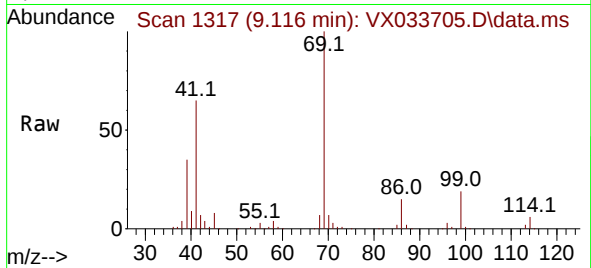
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 85.3  | 63.0  | 94.4  |
| 85  | 54.1  | 42.8  | 64.2  |
| 99  | 64.6  | 49.8  | 74.8  |





#51  
Ethyl methacrylate  
Concen: 19.251 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

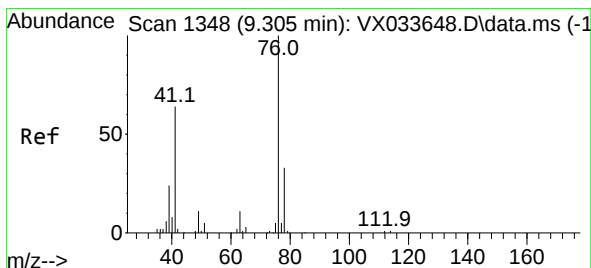
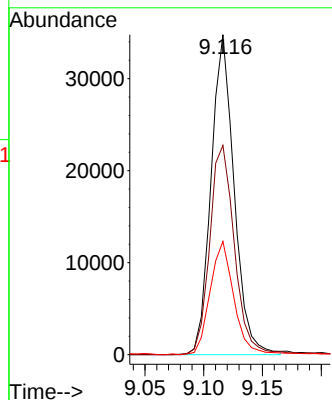
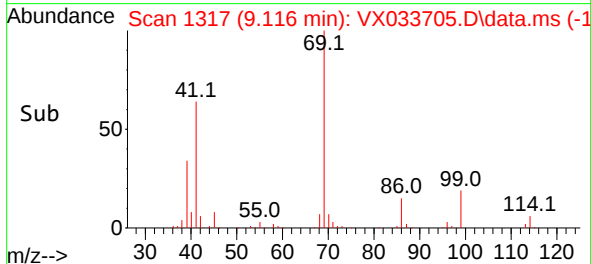
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01



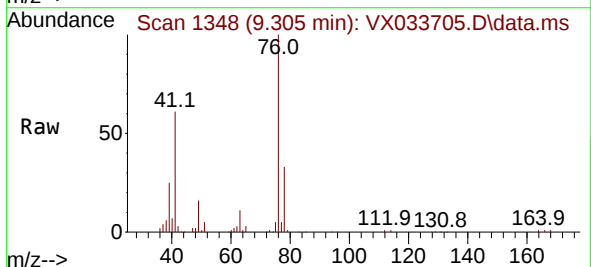
Tgt Ion: 69 Resp: 4756  
Ion Ratio Lower Upper  
69 100  
41 65.2 34.3 102.9  
39 35.4 18.3 54.9

Manual Integrations  
APPROVED

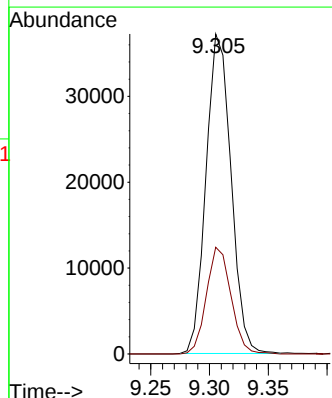
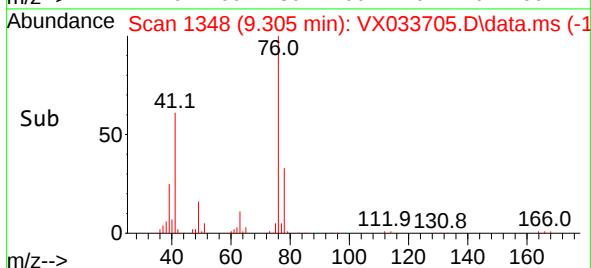
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023

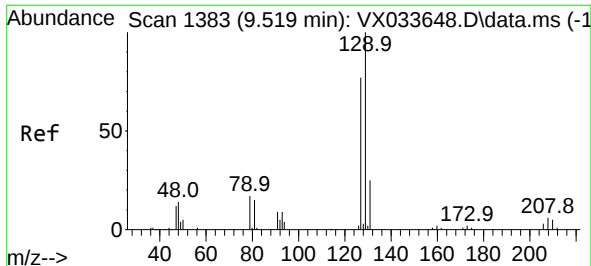


#52  
1,3-Dichloropropane  
Concen: 19.817 ug/l  
RT: 9.305 min Scan# 1348  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03



Tgt Ion: 76 Resp: 54991  
Ion Ratio Lower Upper  
76 100  
78 32.7 0.0 64.6





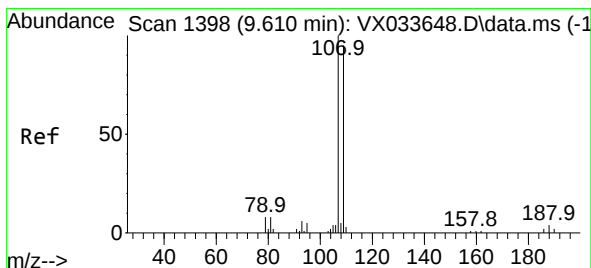
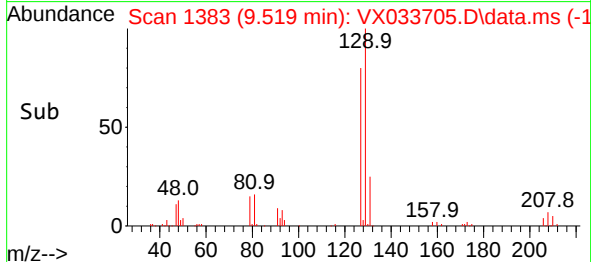
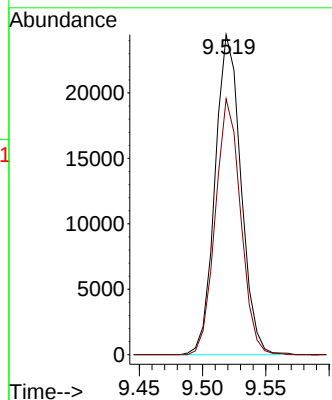
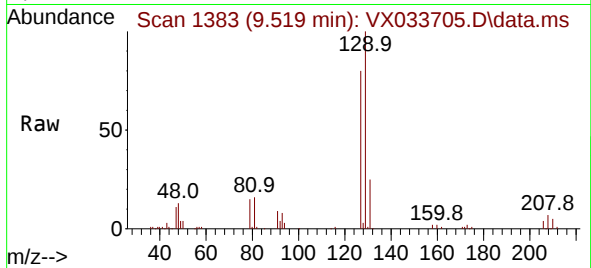
#53  
Dibromochloromethane  
Concen: 19.242 ug/l  
RT: 9.519 min Scan# 1383  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01

Tgt Ion:129 Resp: 3474  
Ion Ratio Lower Upper  
129 100  
127 78.0 39.8 119.4

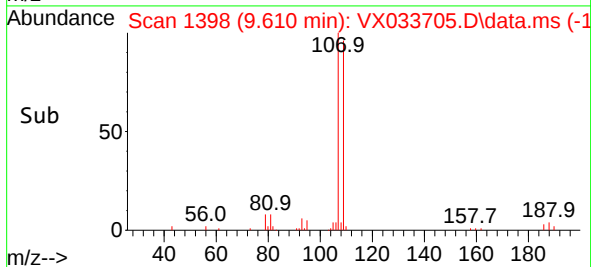
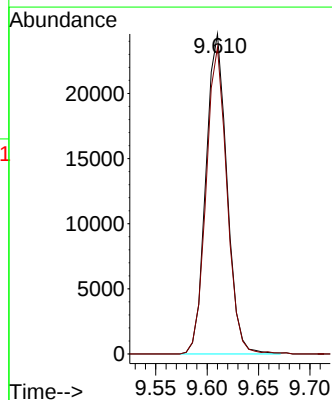
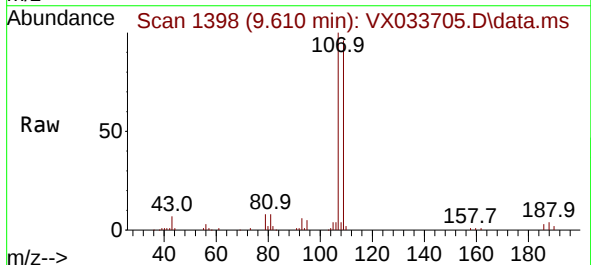
Manual Integrations  
APPROVED

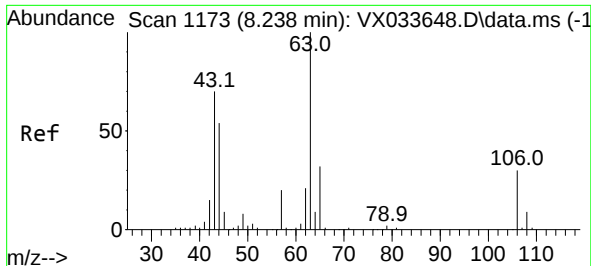
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#54  
1,2-Dibromoethane  
Concen: 19.790 ug/l  
RT: 9.610 min Scan# 1398  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Tgt Ion:107 Resp: 35041  
Ion Ratio Lower Upper  
107 100  
109 94.4 76.4 114.6





#55

2-Chloroethyl vinyl ether

Concen: 90.154 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX033705.D

Acq: 12 Jan 2023 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VX0112WBSD01

Tgt Ion: 63 Resp: 107678

Ion Ratio Lower Upper

63 100

65 31.9 26.2 39.4

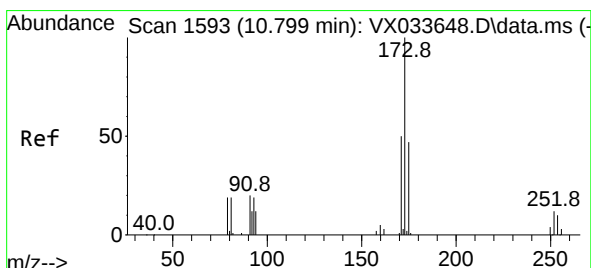
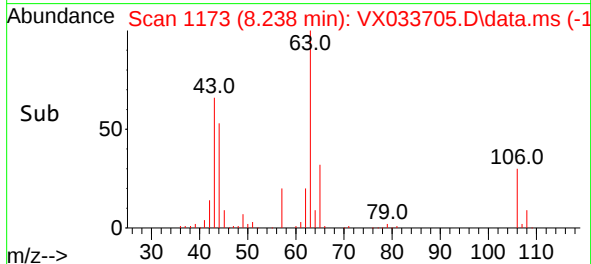
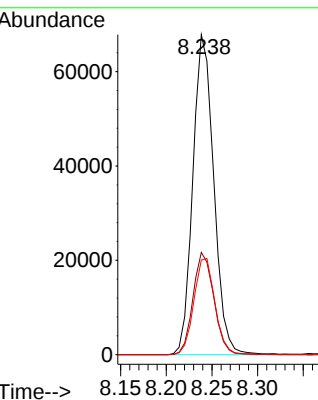
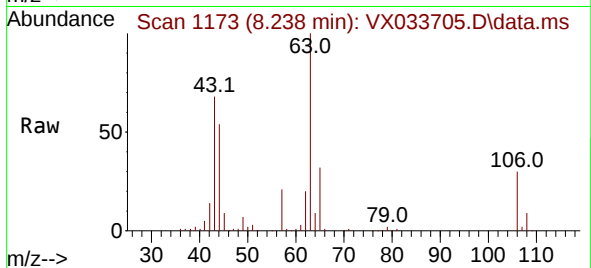
106 30.4 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/13/2023

Supervised By :Mahesh Dadoda 01/13/2023



#56

Bromoform

Concen: 19.449 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX033705.D

Acq: 12 Jan 2023 12:03

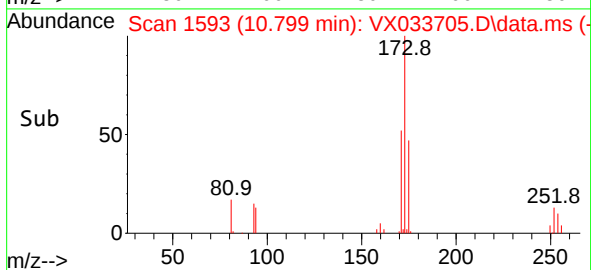
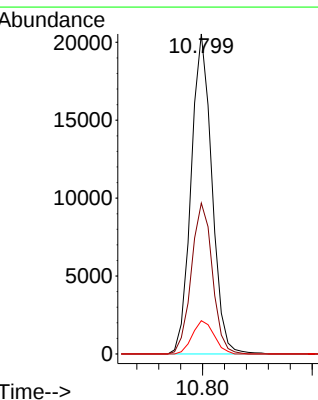
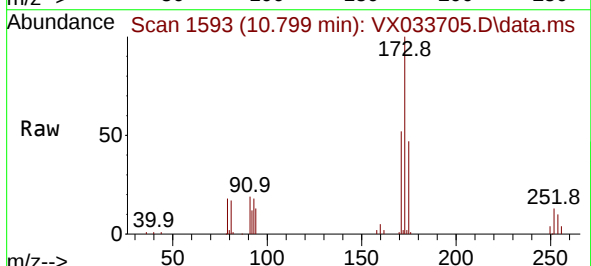
Tgt Ion:173 Resp: 26966

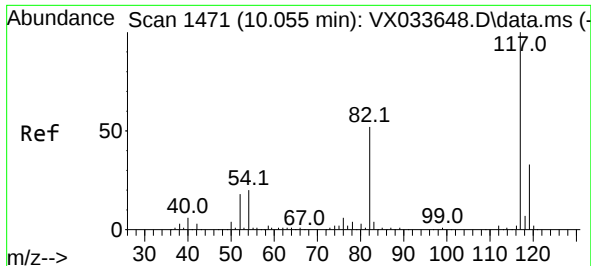
Ion Ratio Lower Upper

173 100

175 47.8 38.2 57.4

254 10.9 8.6 13.0





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033705.D

Acq: 12 Jan 2023 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VX0112WBSD01

Tgt Ion: 117 Resp: 110180

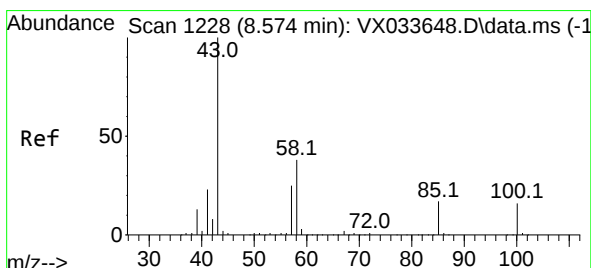
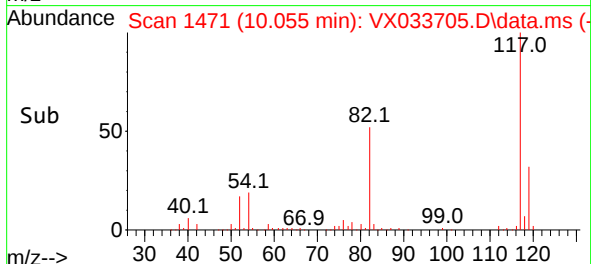
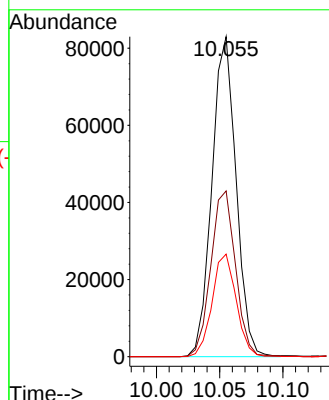
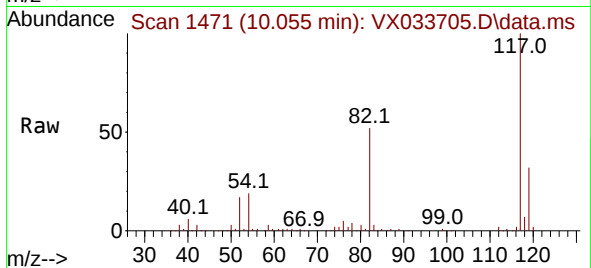
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 53.0  | 41.9  | 62.9  |
| 119 | 32.0  | 25.6  | 38.4  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/13/2023

Supervised By :Mahesh Dadoda 01/13/2023



#58

4-Methyl-2-Pentanone

Concen: 102.409 ug/l

RT: 8.574 min Scan# 1228

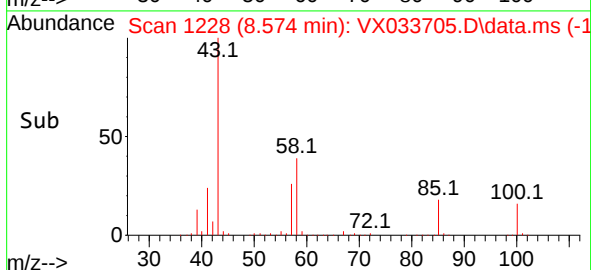
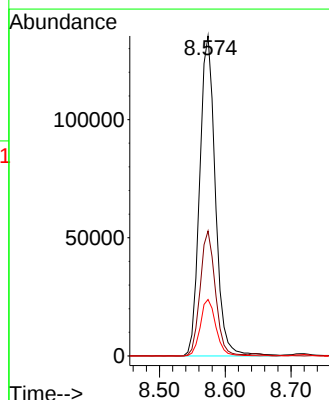
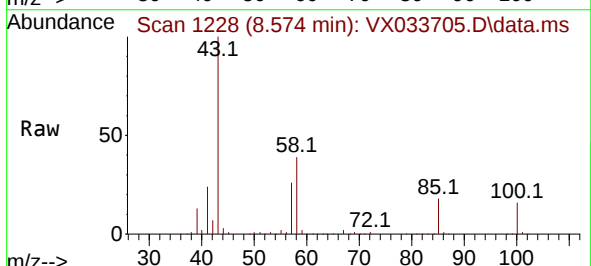
Delta R.T. 0.000 min

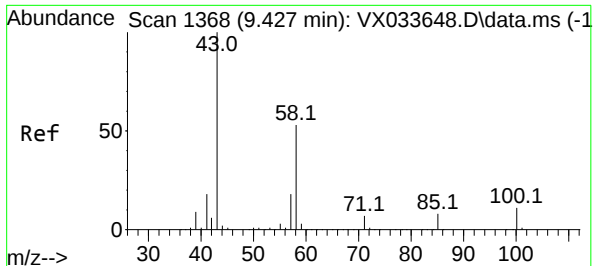
Lab File: VX033705.D

Acq: 12 Jan 2023 12:03

Tgt Ion: 43 Resp: 224151

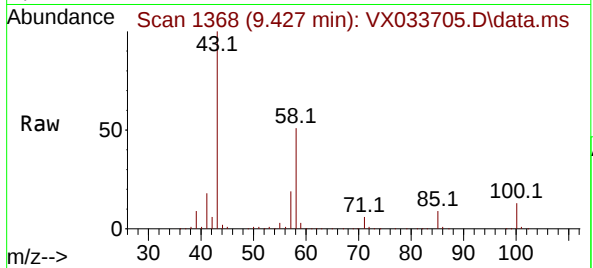
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 37.8  | 30.2  | 45.4  |
| 85  | 17.6  | 13.8  | 20.8  |





#59  
2-Hexanone  
Concen: 101.722 ug/l  
RT: 9.427 min Scan# 1368  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

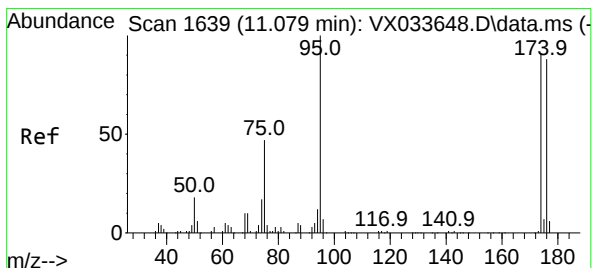
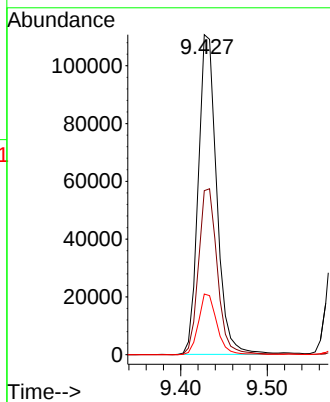
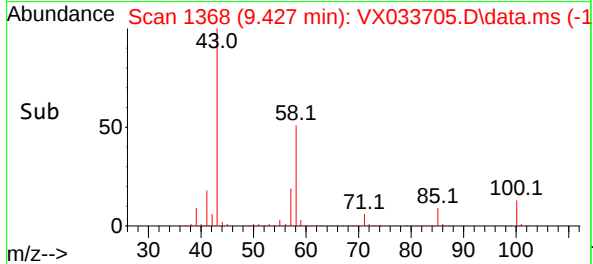
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01



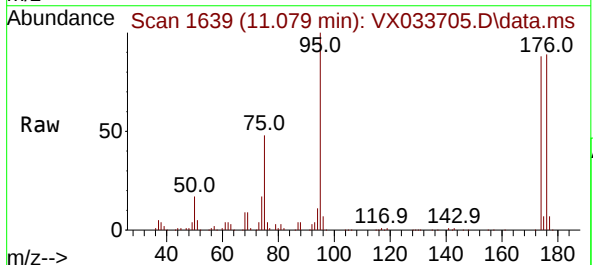
Tgt Ion: 43 Resp: 16385  
Ion Ratio Lower Upper  
43 100  
58 52.8 42.9 64.3  
57 18.8 15.0 22.6

Manual Integrations  
APPROVED

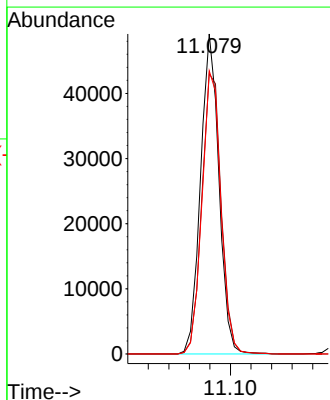
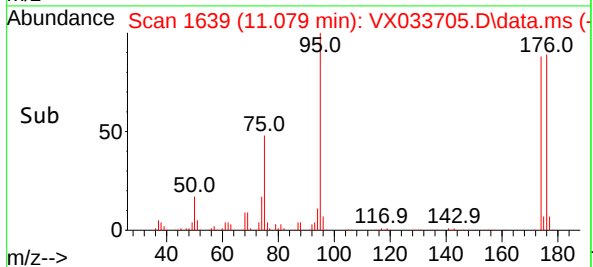
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023

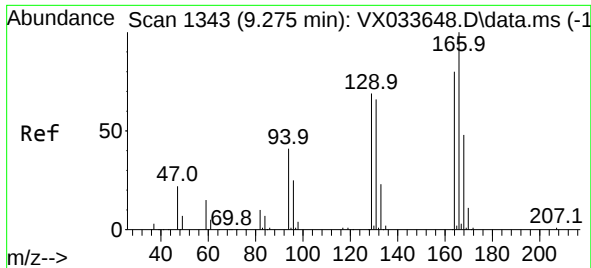


#60  
4-Bromofluorobenzene  
Concen: 30.792 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03



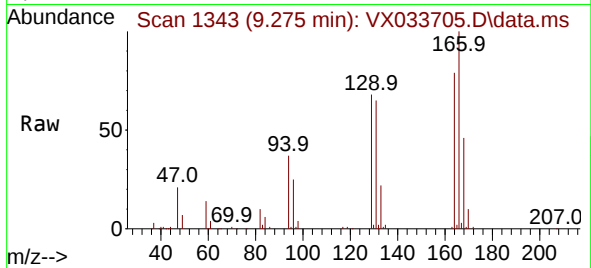
Tgt Ion: 95 Resp: 61151  
Ion Ratio Lower Upper  
95 100  
174 92.5 73.7 110.5  
176 90.6 71.0 106.4





#61  
Tetrachloroethene  
Concen: 20.247 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

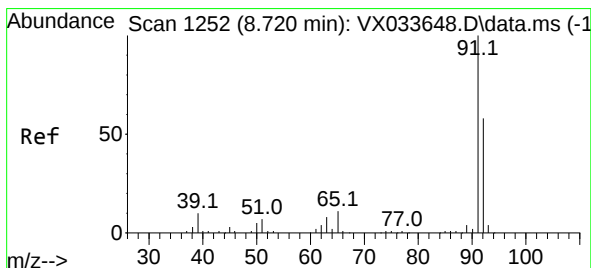
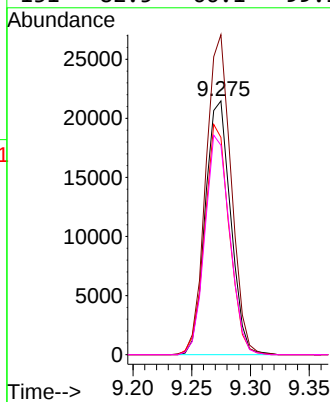
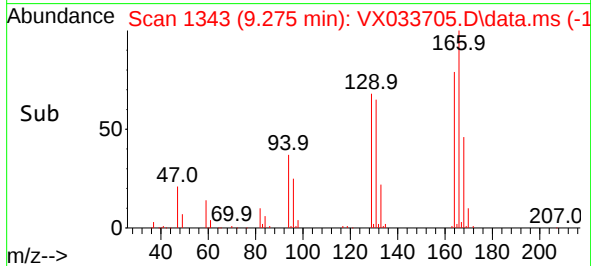
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01



Tgt Ion:164 Resp: 3218  
Ion Ratio Lower Upper  
164 100  
166 126.1 100.2 150.4  
129 85.6 68.8 103.2  
131 82.5 66.1 99.1

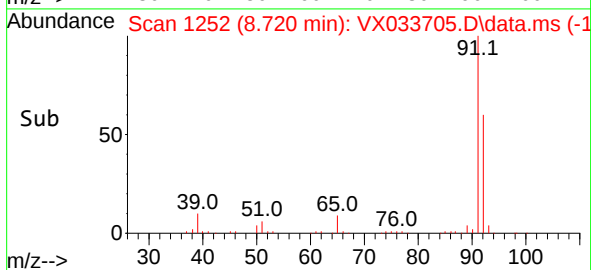
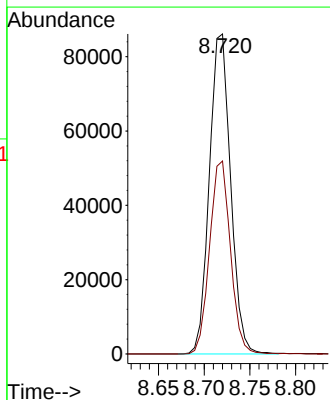
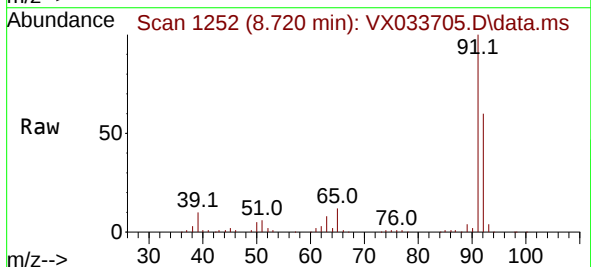
Manual Integrations  
APPROVED

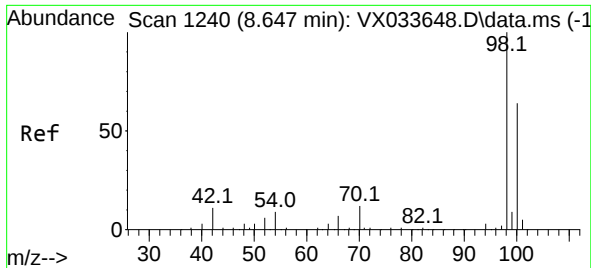
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#62  
Toluene  
Concen: 20.071 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Tgt Ion: 91 Resp: 139213  
Ion Ratio Lower Upper  
91 100  
92 59.3 45.8 68.8





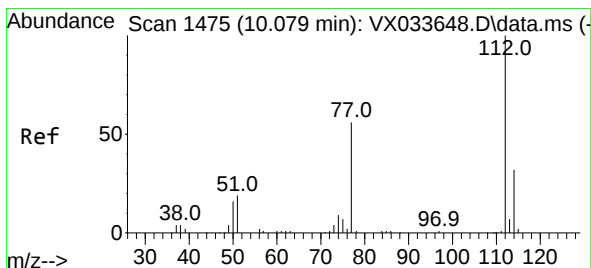
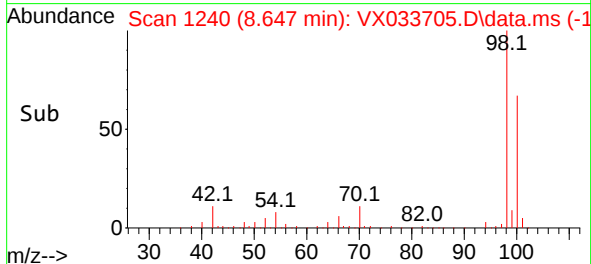
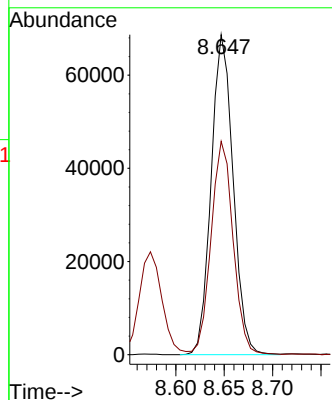
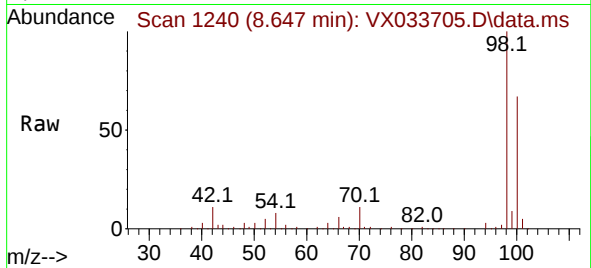
#63  
Toluene-d8  
Concen: 30.688 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01

Tgt Ion: 98 Resp: 108210  
Ion Ratio Lower Upper  
98 100  
100 67.2 53.1 79.7

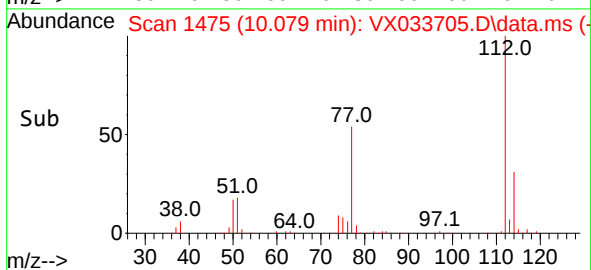
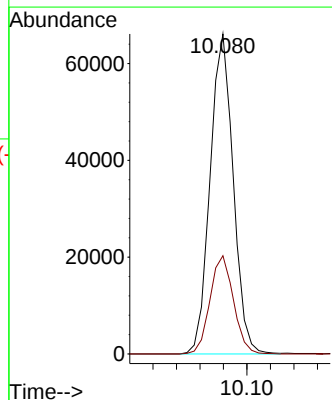
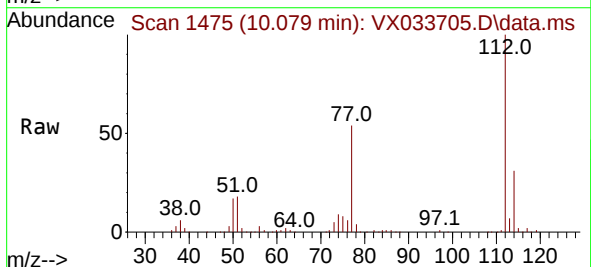
Manual Integrations  
APPROVED

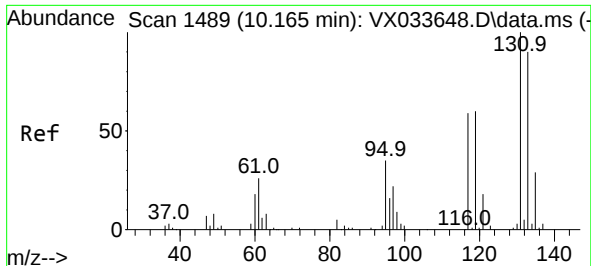
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#64  
Chlorobenzene  
Concen: 20.197 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

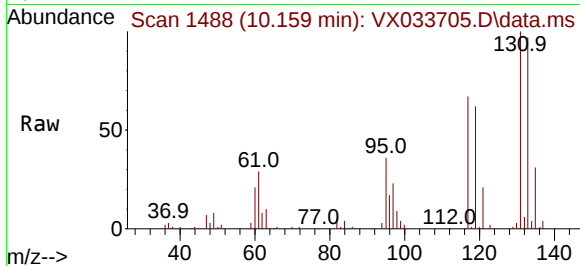
Tgt Ion:112 Resp: 90227  
Ion Ratio Lower Upper  
112 100  
114 30.7 25.6 38.4





#65  
1,1,1,2-Tetrachloroethane  
Concen: 19.830 ug/l  
RT: 10.159 min Scan# 1488  
Delta R.T. -0.006 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

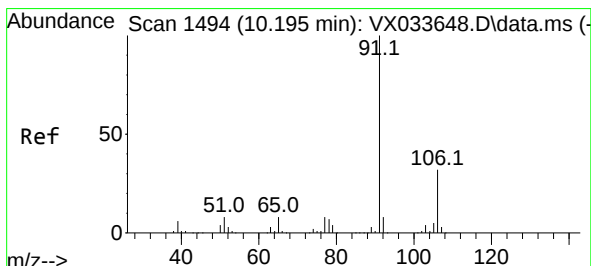
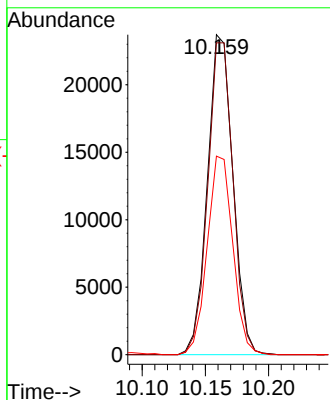
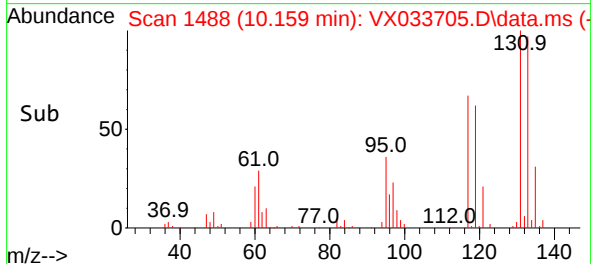
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01



Tgt Ion:131 Resp: 3334  
Ion Ratio Lower Upper  
131 100  
133 96.5 0.0 187.6  
119 62.1 0.0 124.0

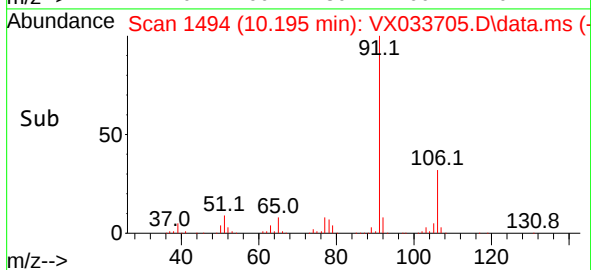
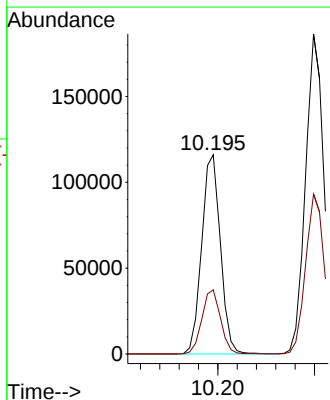
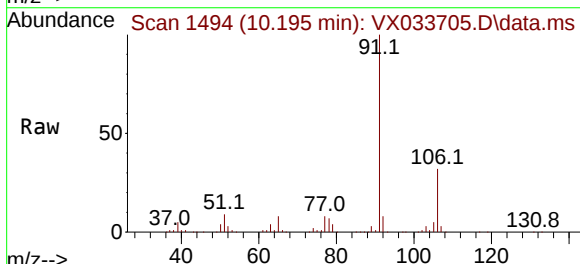
Manual Integrations  
APPROVED

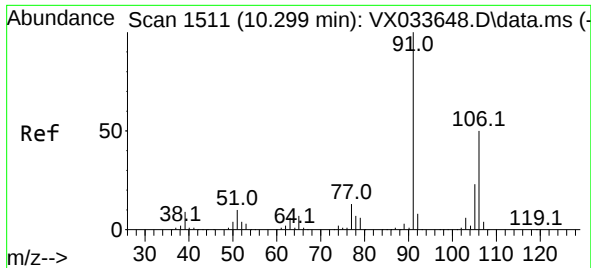
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#66  
Ethyl Benzene  
Concen: 20.188 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Tgt Ion: 91 Resp: 156158  
Ion Ratio Lower Upper  
91 100  
106 32.2 25.2 37.8





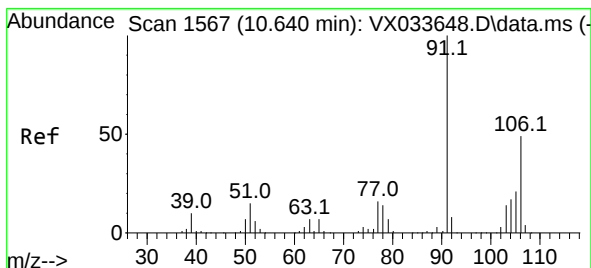
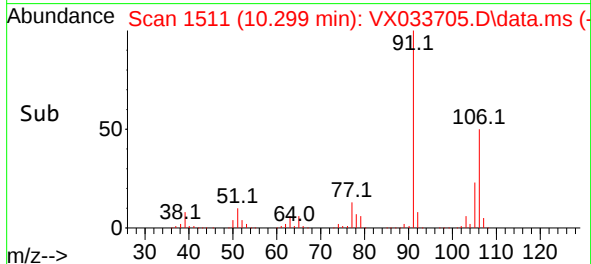
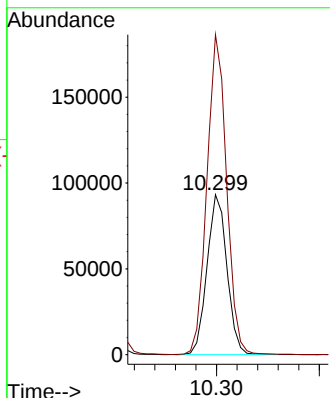
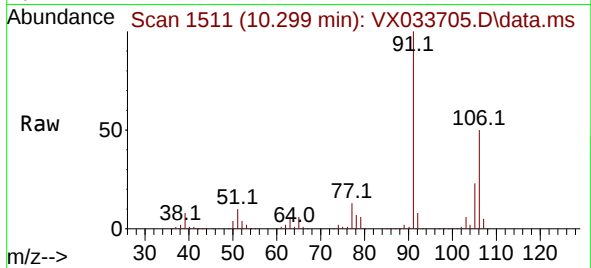
#67  
m/p-Xylenes  
Concen: 41.051 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01

Tgt Ion:106 Resp: 12532  
Ion Ratio Lower Upper  
106 100  
91 196.9 157.3 235.9

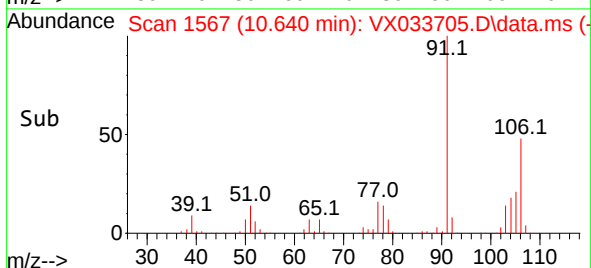
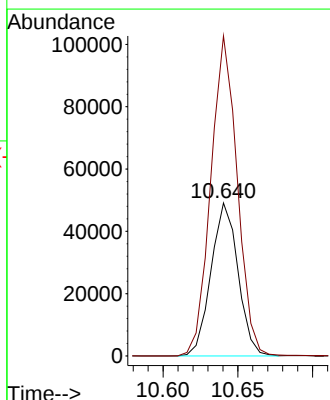
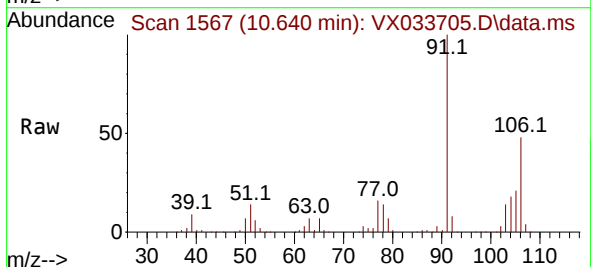
Manual Integrations  
APPROVED

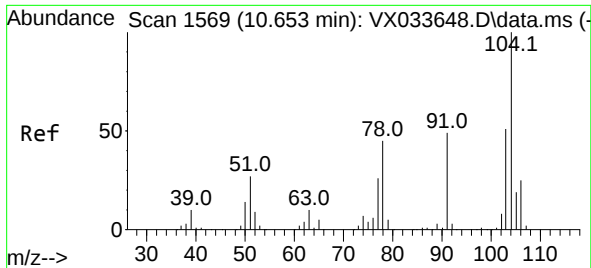
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#68  
o-Xylene  
Concen: 20.549 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Tgt Ion:106 Resp: 61662  
Ion Ratio Lower Upper  
106 100  
91 205.2 104.6 313.8





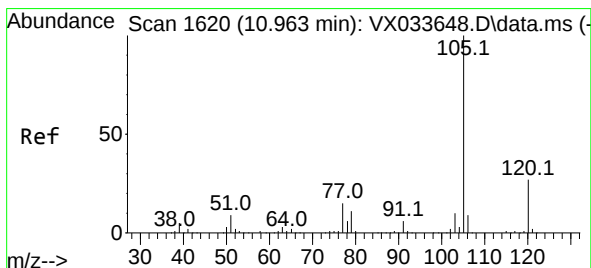
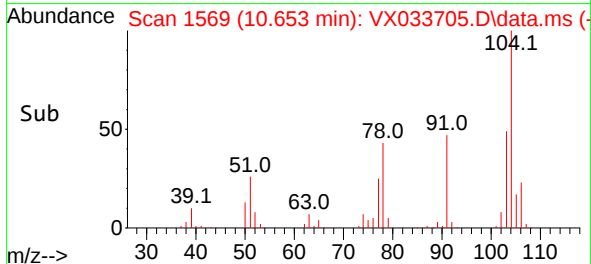
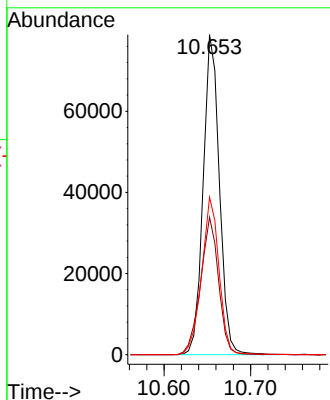
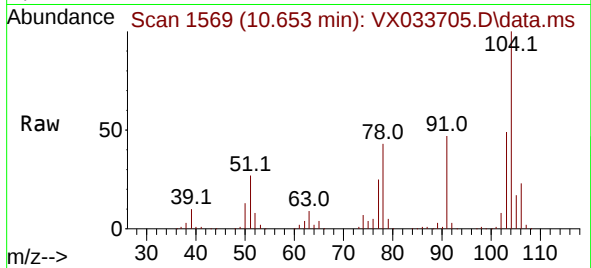
#69  
Styrene  
Concen: 20.693 ug/l  
RT: 10.653 min Scan# 1569  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01

Tgt Ion:104 Resp: 102769  
Ion Ratio Lower Upper  
104 100  
78 47.6 39.3 58.9  
103 52.7 43.2 64.8

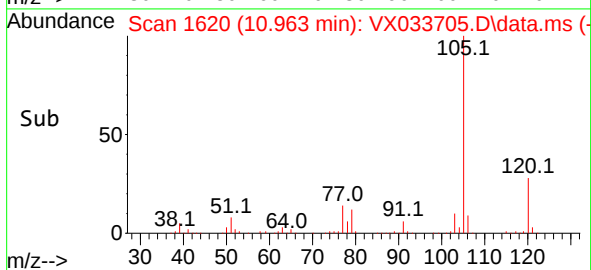
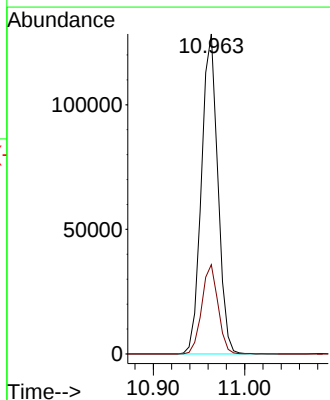
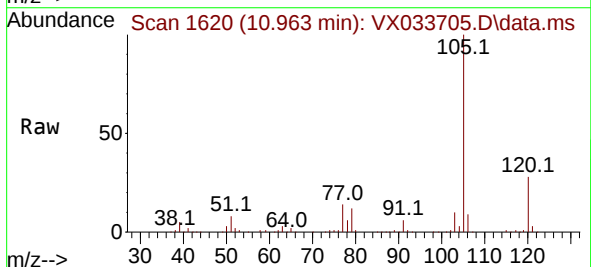
Manual Integrations  
APPROVED

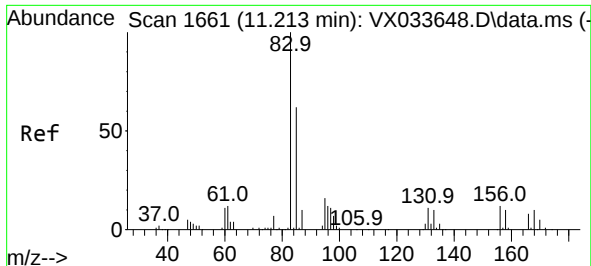
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#70  
Isopropylbenzene  
Concen: 20.521 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Tgt Ion:105 Resp: 159469  
Ion Ratio Lower Upper  
105 100  
120 27.6 18.7 34.7





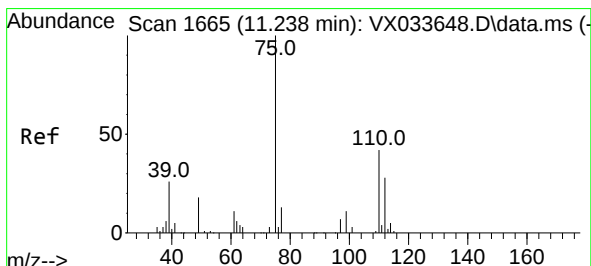
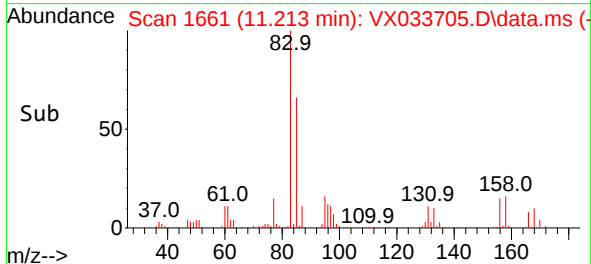
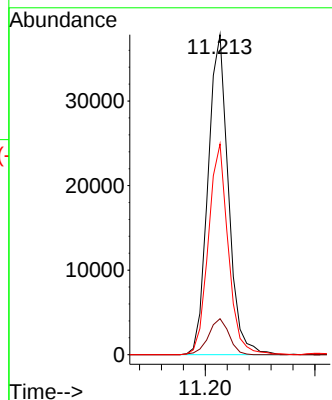
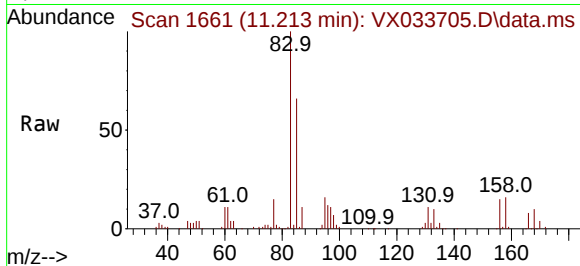
#71  
1,1,2,2-Tetrachloroethane  
Concen: 20.803 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01

Tgt Ion: 83 Resp: 4867  
Ion Ratio Lower Upper  
83 100  
131 11.4 5.4 16.2  
85 64.4 32.4 97.0

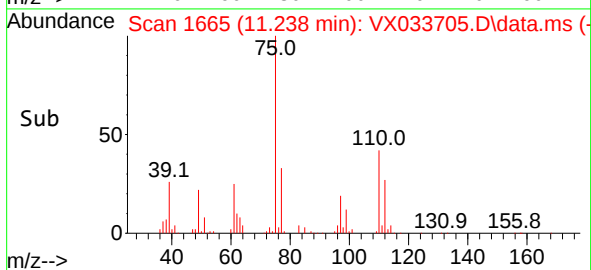
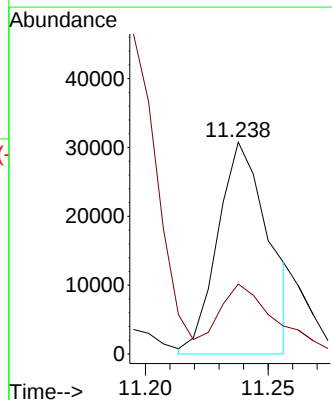
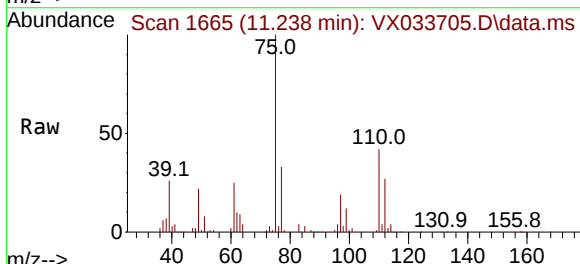
Manual Integrations  
APPROVED

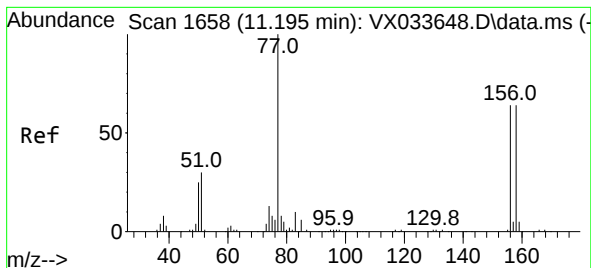
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#72  
1,2,3-Trichloropropane  
Concen: 20.803 ug/l m  
RT: 11.238 min Scan# 1665  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Tgt Ion: 75 Resp: 44096  
Ion Ratio Lower Upper  
75 100  
77 37.7 0.0 74.6





#73

Bromobenzene

Concen: 20.514 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX033705.D

Acq: 12 Jan 2023 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VX0112WBSD01

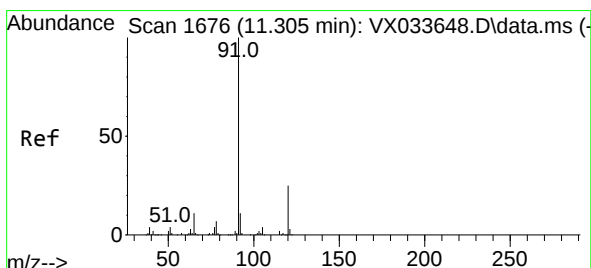
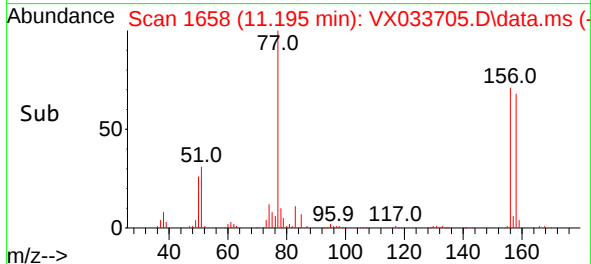
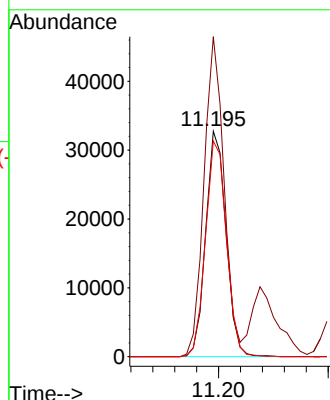
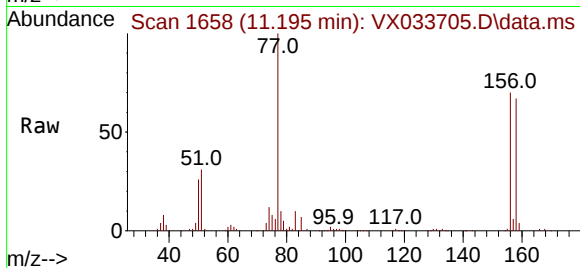
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 42190 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 139.2 | 0.0   | 287.2 |
| 158       | 98.4  | 0.0   | 196.2 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/13/2023

Supervised By :Mahesh Dadoda 01/13/2023



#74

n-propylbenzene

Concen: 20.692 ug/l

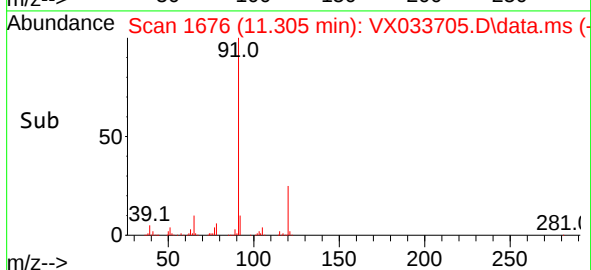
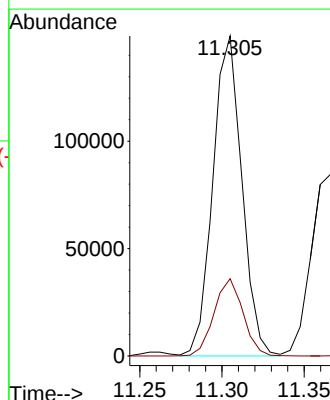
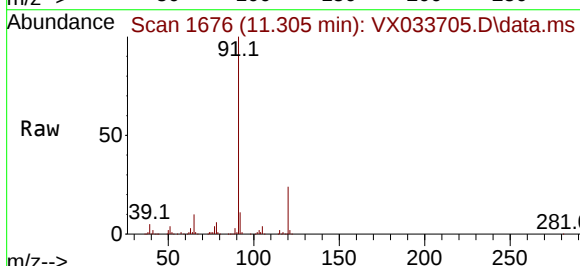
RT: 11.305 min Scan# 1676

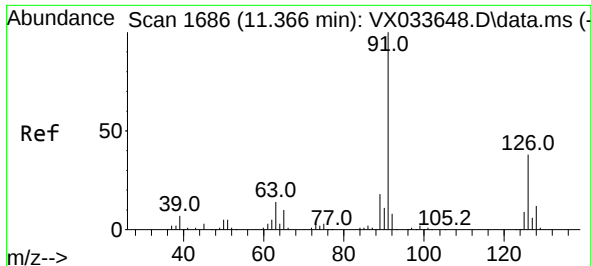
Delta R.T. 0.000 min

Lab File: VX033705.D

Acq: 12 Jan 2023 12:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 182564 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 24.1  | 0.0   | 48.8   |





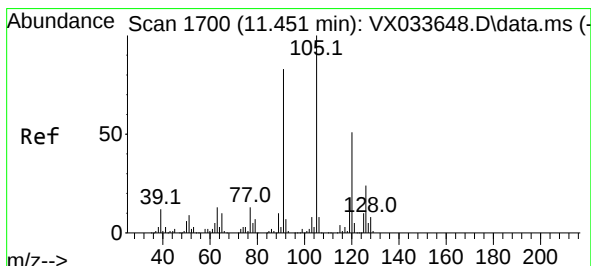
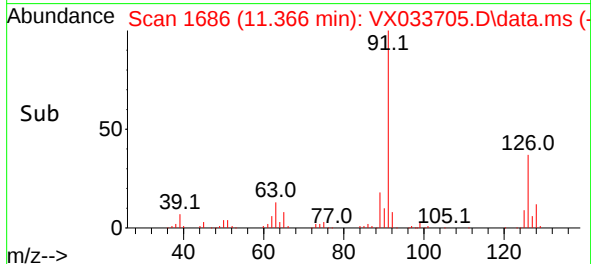
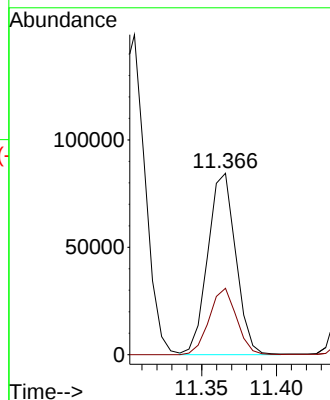
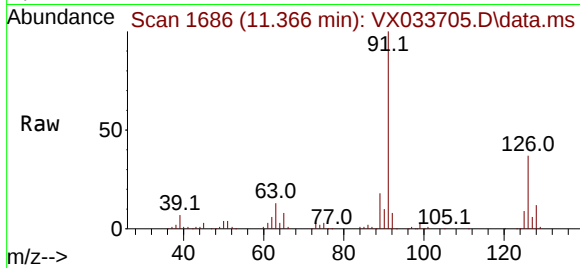
#75  
2-Chlorotoluene  
Concen: 20.855 ug/l  
RT: 11.366 min Scan# 1105  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01

Tgt Ion: 91 Resp: 11055  
Ion Ratio Lower Upper  
91 100  
126 35.6 0.0 72.0

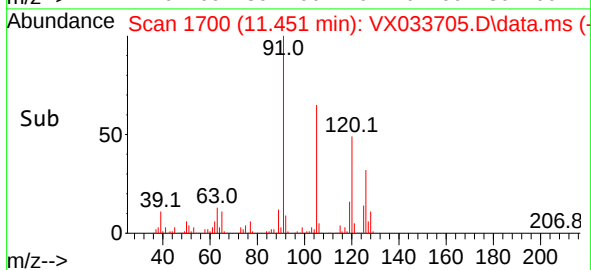
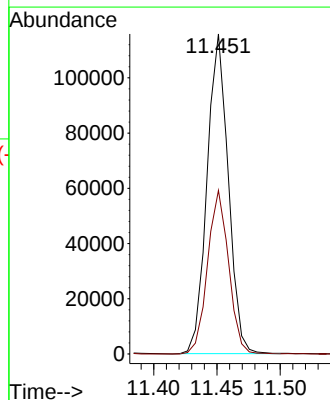
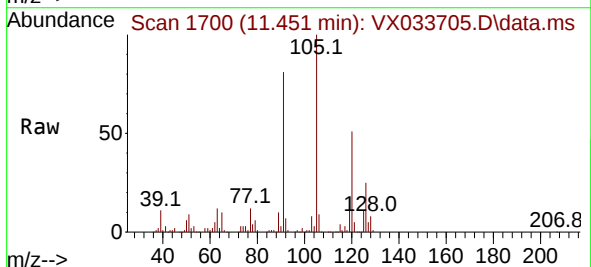
Manual Integrations  
APPROVED

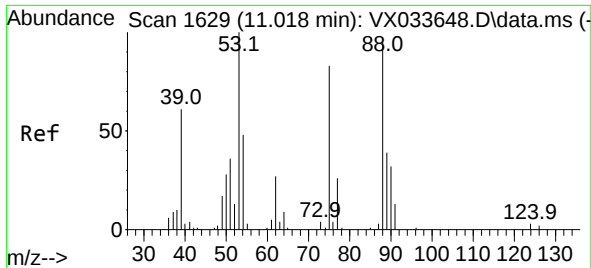
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#76  
1,3,5-Trimethylbenzene  
Concen: 20.920 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

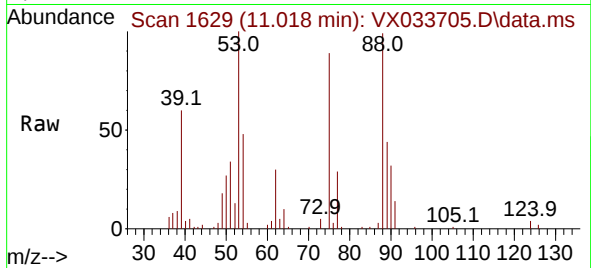
Tgt Ion:105 Resp: 134975  
Ion Ratio Lower Upper  
105 100  
120 50.8 0.0 100.4





#77  
t-1,4-Dichloro-2-butene  
Concen: 19.403 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

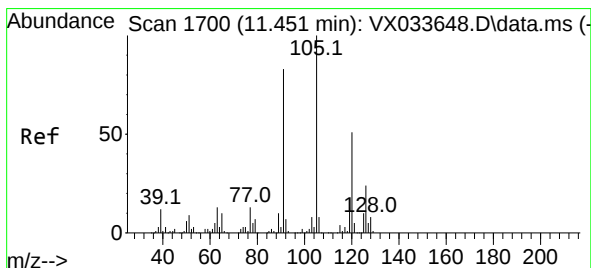
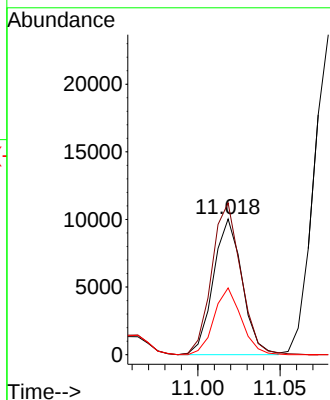
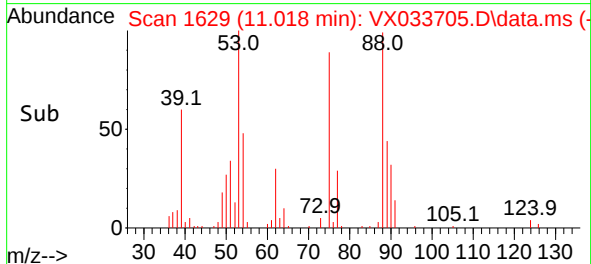
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01



Tgt Ion: 75 Resp: 12305  
Ion Ratio Lower Upper  
75 100  
53 111.9 60.2 180.6  
89 49.2 23.2 69.6

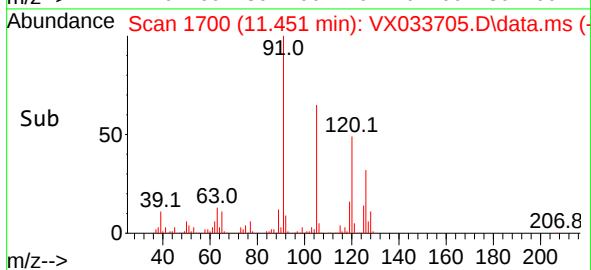
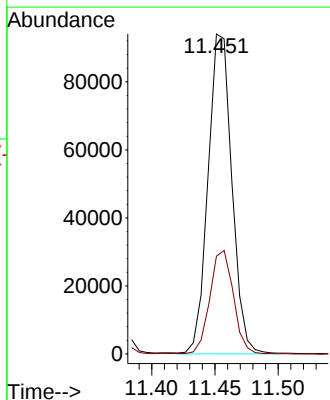
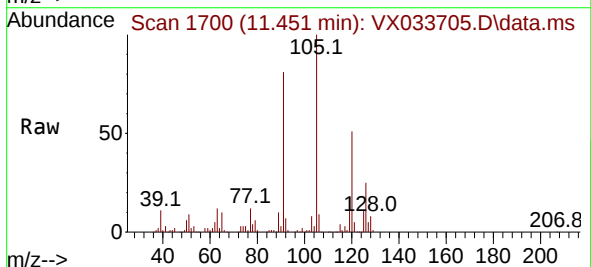
Manual Integrations  
APPROVED

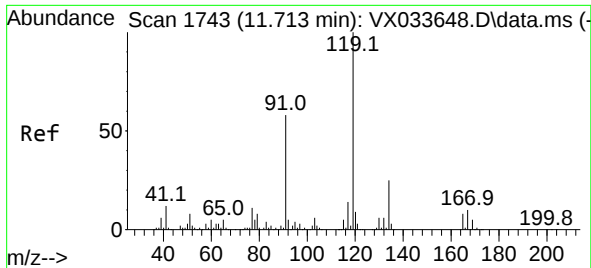
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#78  
4-Chlorotoluene  
Concen: 20.868 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

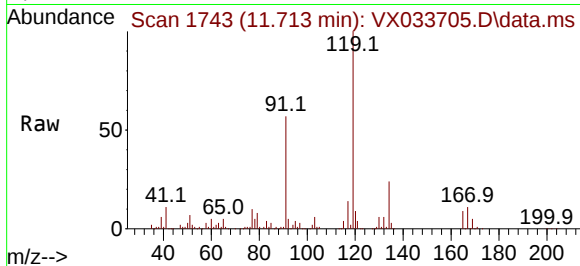
Tgt Ion: 91 Resp: 123497  
Ion Ratio Lower Upper  
91 100  
126 31.9 0.0 63.6





#79  
tert-butylbenzene  
Concen: 21.083 ug/l  
RT: 11.713 min Scan# 1743  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

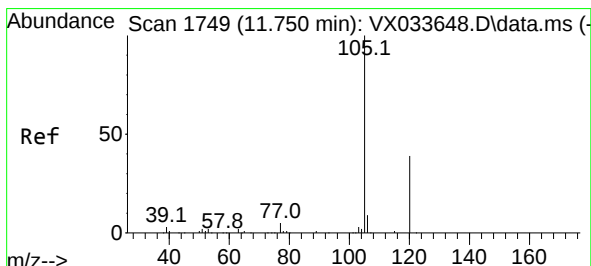
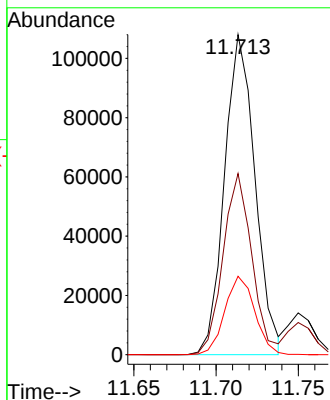
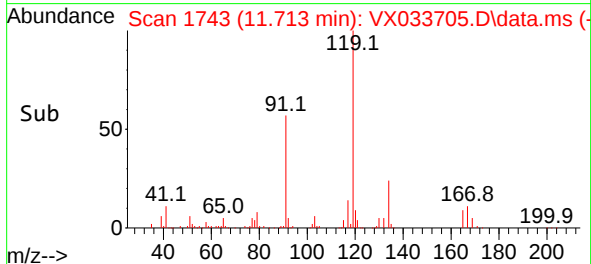
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01



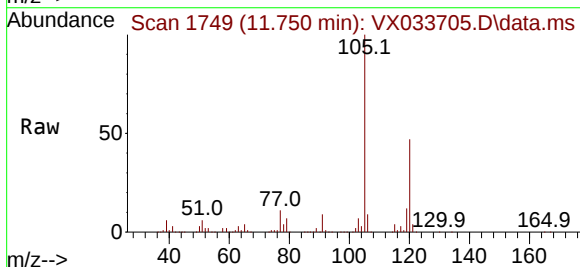
Tgt Ion:119 Resp: 139500  
Ion Ratio Lower Upper  
119 100  
91 53.6 0.0 111.0  
134 24.0 0.0 49.2

Manual Integrations  
APPROVED

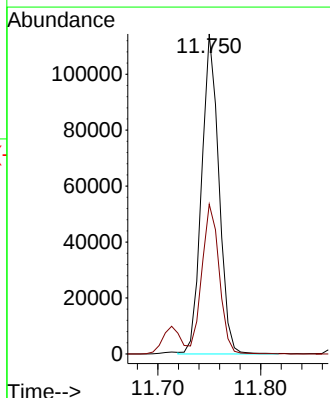
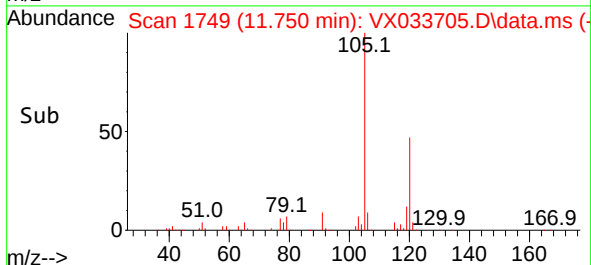
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023

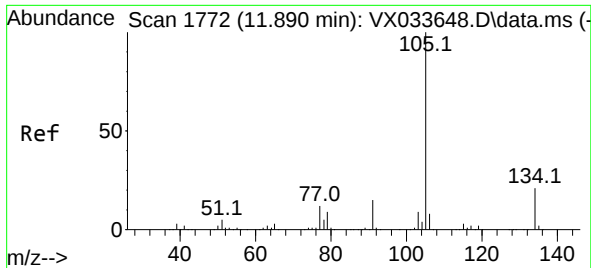


#80  
1,2,4-Trimethylbenzene  
Concen: 20.984 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03



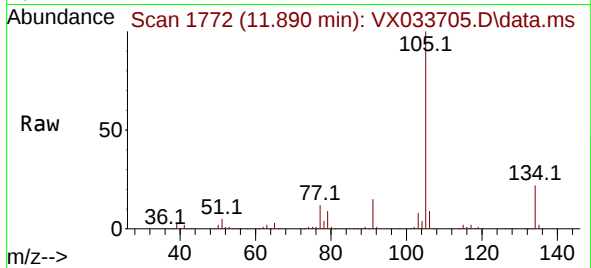
Tgt Ion:105 Resp: 133749  
Ion Ratio Lower Upper  
105 100  
120 46.6 0.0 91.2





#81  
 sec-Butylbenzene  
 Concen: 20.921 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. 0.000 min  
 Lab File: VX033705.D  
 Acq: 12 Jan 2023 12:03

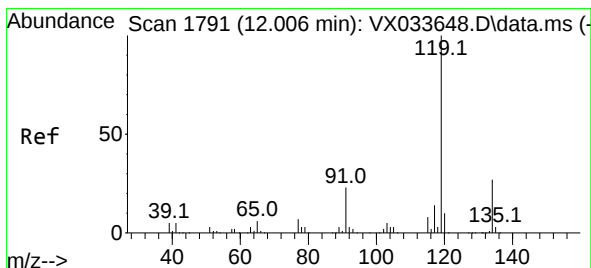
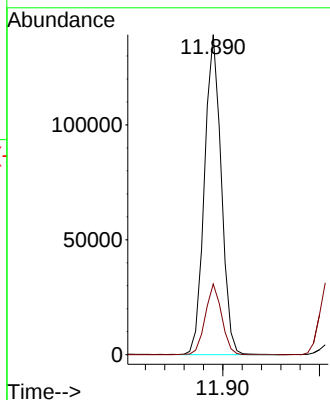
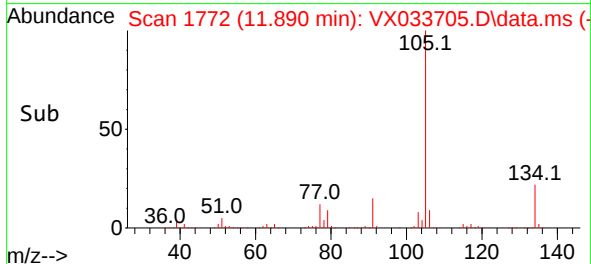
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0112WBSD01



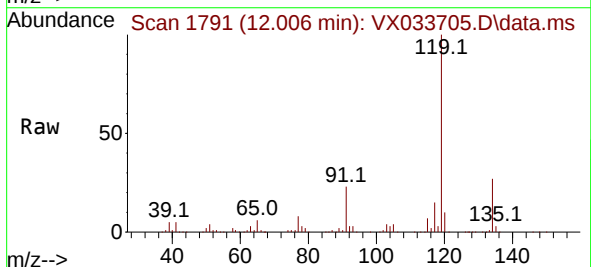
Tgt Ion:105 Resp: 167500  
 Ion Ratio Lower Upper  
 105 100  
 134 21.6 0.0 43.2

Manual Integrations  
 APPROVED

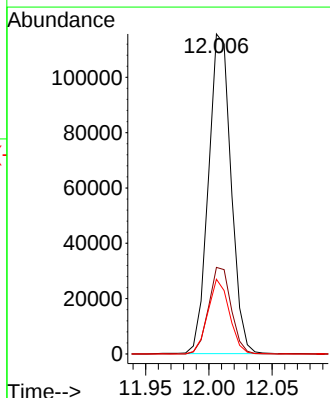
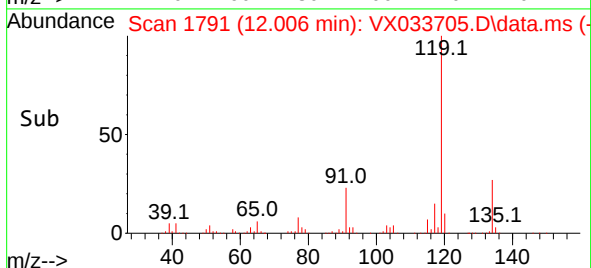
Reviewed By :John Carlone 01/13/2023  
 Supervised By :Mahesh Dadoda 01/13/2023

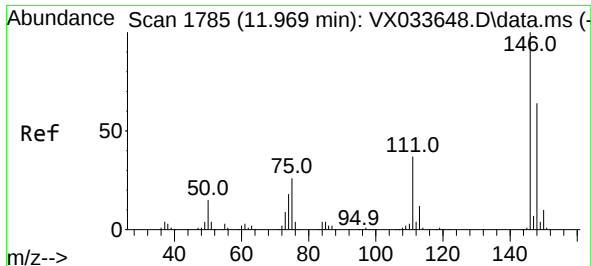


#82  
 p-Isopropyltoluene  
 Concen: 20.794 ug/l  
 RT: 12.006 min Scan# 1791  
 Delta R.T. 0.000 min  
 Lab File: VX033705.D  
 Acq: 12 Jan 2023 12:03



Tgt Ion:119 Resp: 143597  
 Ion Ratio Lower Upper  
 119 100  
 134 27.0 0.0 54.4  
 91 22.3 0.0 45.2





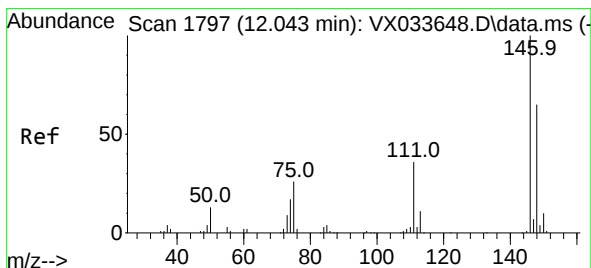
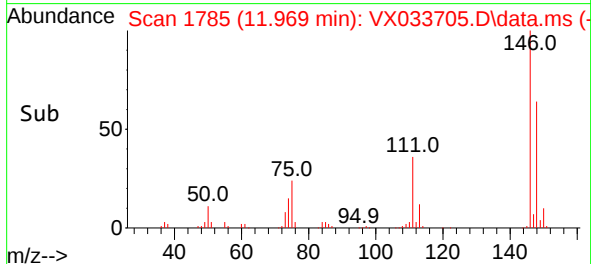
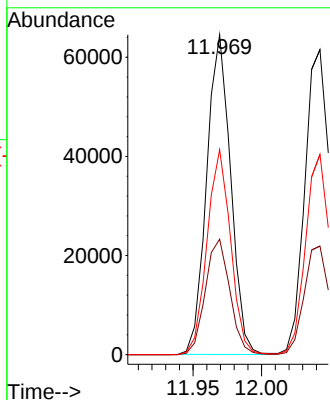
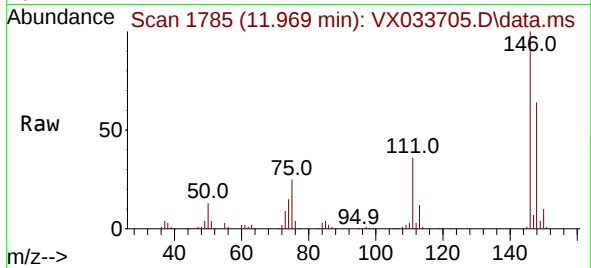
#83  
1,3-Dichlorobenzene  
Concen: 20.941 ug/l  
RT: 11.969 min Scan# 1785  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01

Tgt Ion:146 Resp: 78620  
Ion Ratio Lower Upper  
146 100  
111 37.0 18.8 56.3  
148 63.0 31.7 95.1

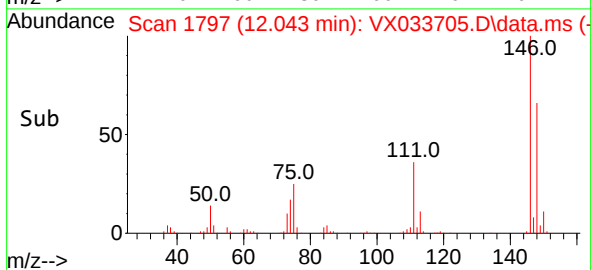
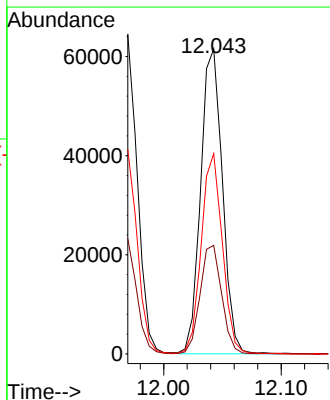
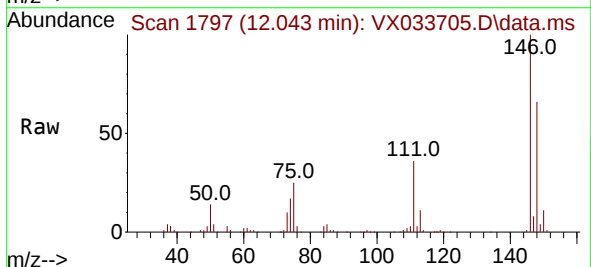
Manual Integrations  
APPROVED

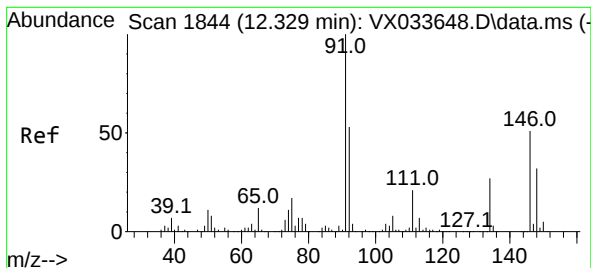
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#84  
1,4-Dichlorobenzene  
Concen: 21.108 ug/l  
RT: 12.043 min Scan# 1797  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

Tgt Ion:146 Resp: 79013  
Ion Ratio Lower Upper  
146 100  
111 35.6 18.3 54.9  
148 63.9 31.9 95.7





#85

n-Butylbenzene

Concen: 21.317 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX033705.D

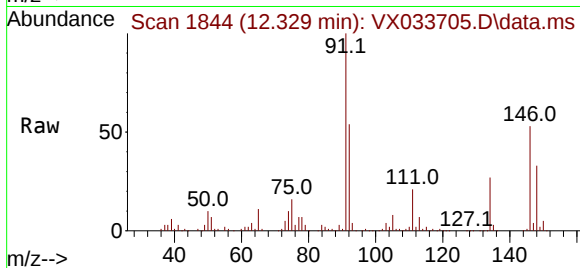
Acq: 12 Jan 2023 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VX0112WBSD01



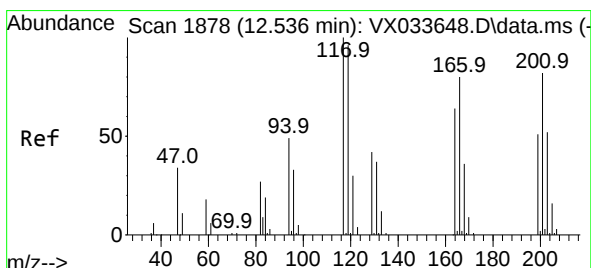
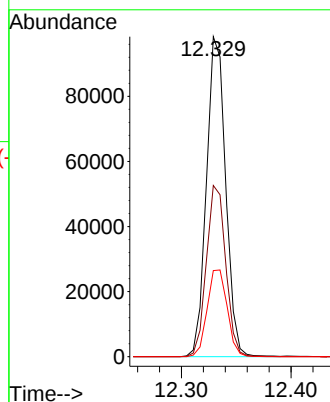
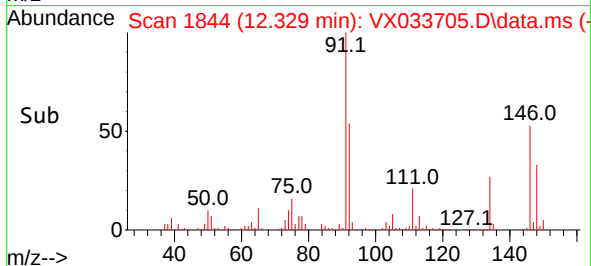
|             |                |
|-------------|----------------|
| Tgt Ion: 91 | Resp: 11967    |
| Ion Ratio   | Lower Upper    |
| 91          | 100            |
| 92          | 54.0 0.0 108.2 |
| 134         | 28.2 0.0 55.4  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/13/2023

Supervised By :Mahesh Dadoda 01/13/2023



#86

Hexachloroethane

Concen: 19.732 ug/l

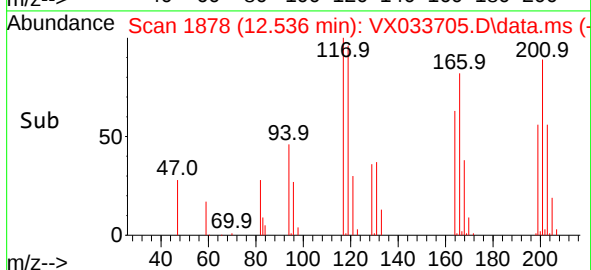
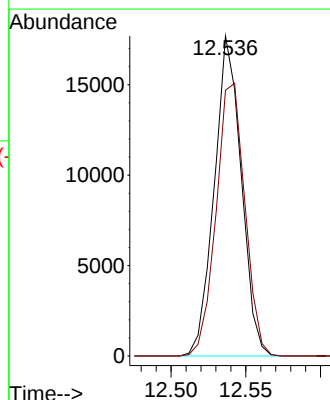
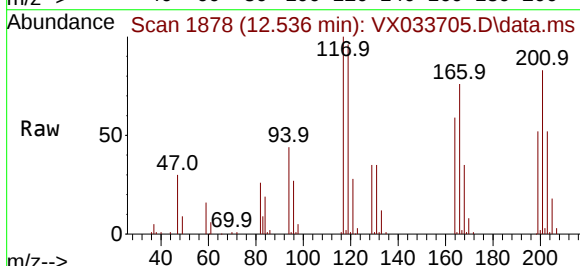
RT: 12.536 min Scan# 1878

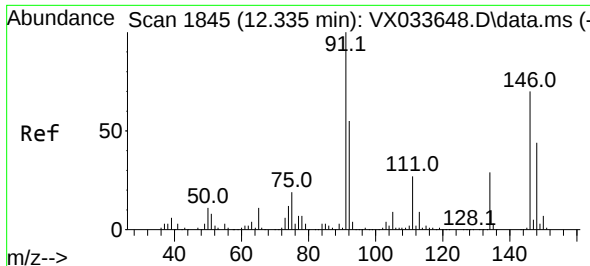
Delta R.T. 0.000 min

Lab File: VX033705.D

Acq: 12 Jan 2023 12:03

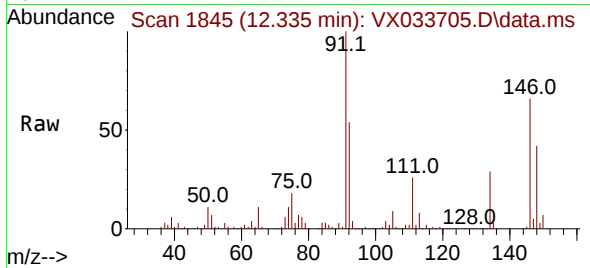
|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 22167     |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 201          | 90.9 45.0 135.0 |





#87  
1,2-Dichlorobenzene  
Concen: 21.094 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

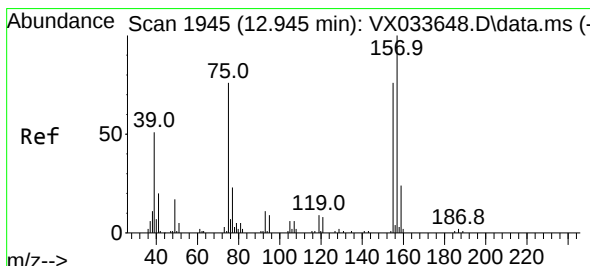
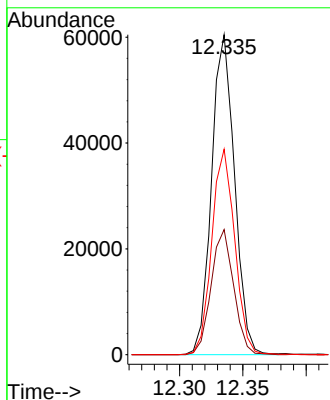
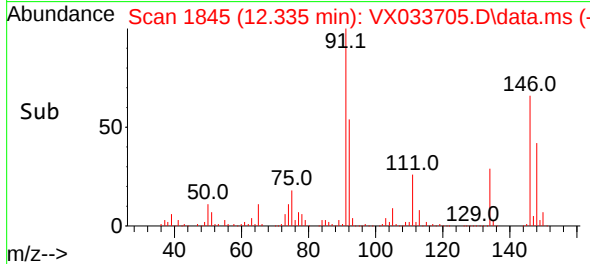
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01



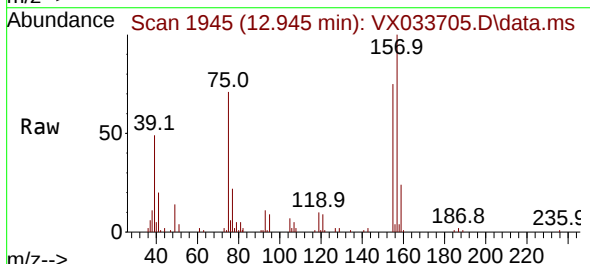
Tgt Ion:146 Resp: 76290  
Ion Ratio Lower Upper  
146 100  
111 38.4 19.7 59.0  
148 64.2 31.9 95.9

Manual Integrations  
APPROVED

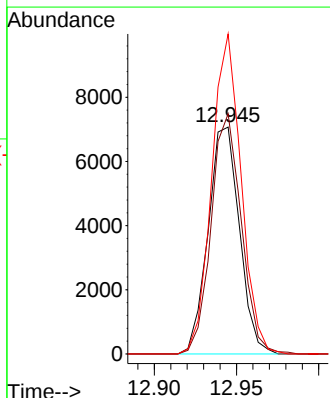
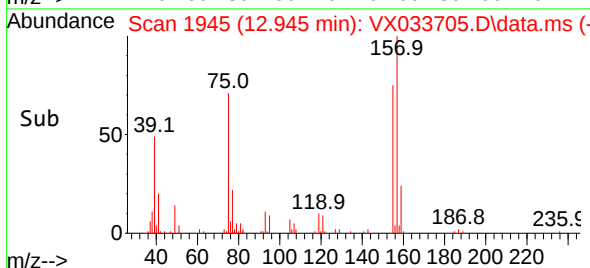
Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023

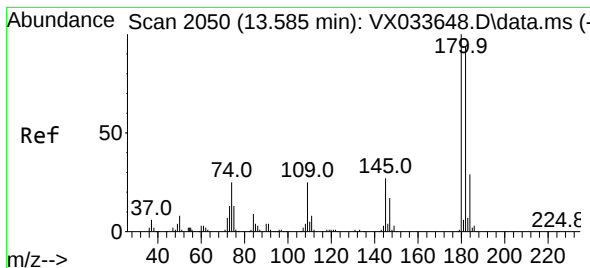


#88  
1,2-Dibromo-3-Chloropropane  
Concen: 19.307 ug/l  
RT: 12.945 min Scan# 1945  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03



Tgt Ion: 75 Resp: 9379  
Ion Ratio Lower Upper  
75 100  
155 101.6 77.6 116.4  
157 132.3 98.0 147.0





#89

1,2,4-Trichlorobenzene

Concen: 17.864 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX033705.D

Acq: 12 Jan 2023 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VX0112WBSD01

Tgt Ion:180 Resp: 44434

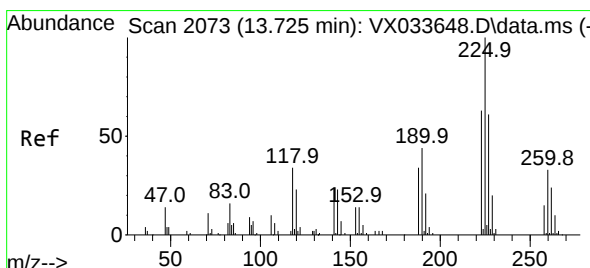
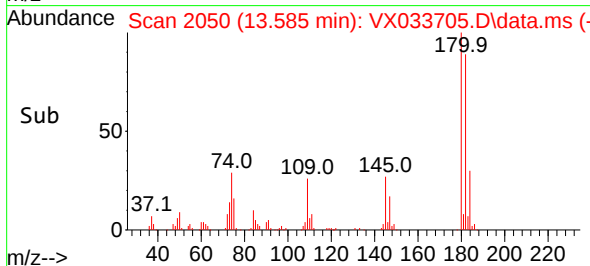
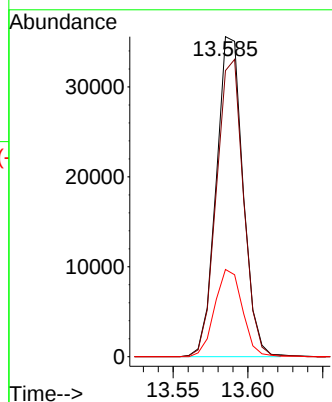
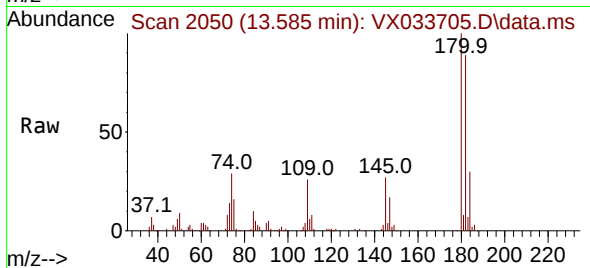
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 93.6  | 76.7  | 115.1 |
| 145 | 28.1  | 21.8  | 32.6  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/13/2023

Supervised By :Mahesh Dadoda 01/13/2023



#90

Hexachlorobutadiene

Concen: 18.271 ug/l

RT: 13.725 min Scan# 2073

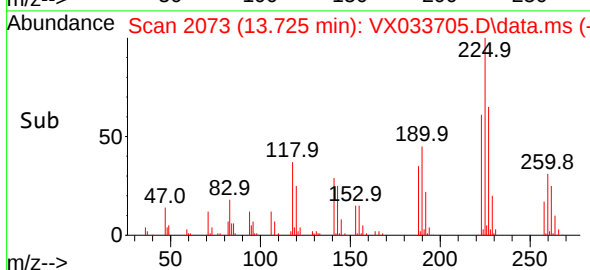
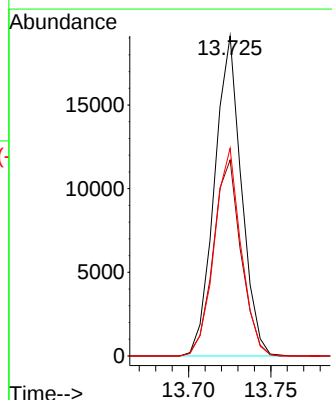
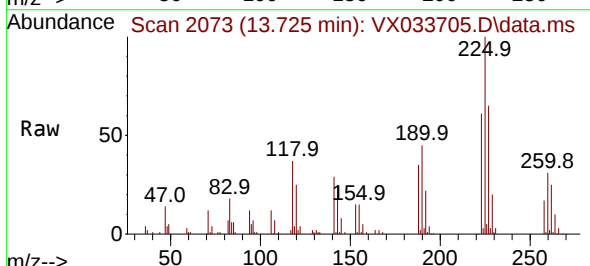
Delta R.T. 0.000 min

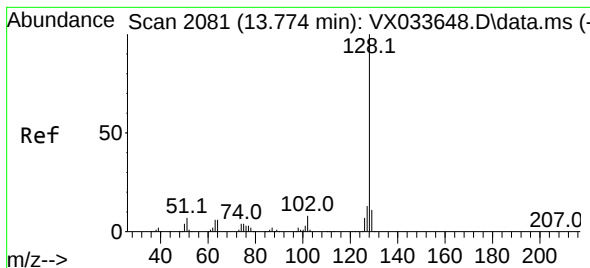
Lab File: VX033705.D

Acq: 12 Jan 2023 12:03

Tgt Ion:225 Resp: 21791

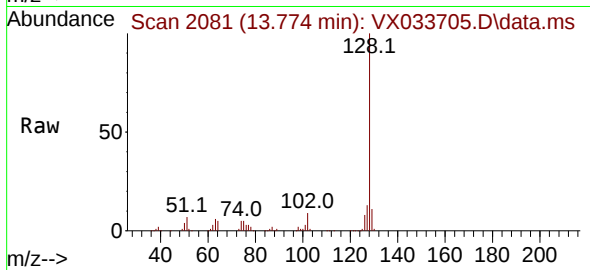
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 63.1  | 0.0   | 127.0 |
| 227 | 64.3  | 0.0   | 123.0 |





#91  
Naphthalene  
Concen: 15.919 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03

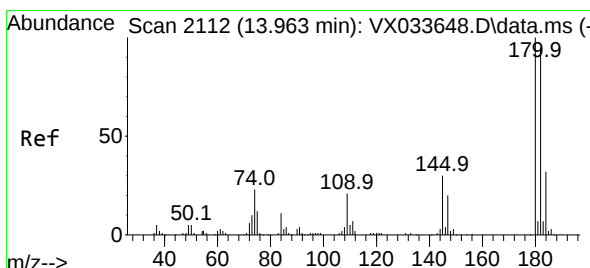
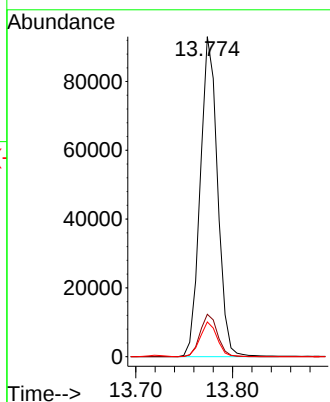
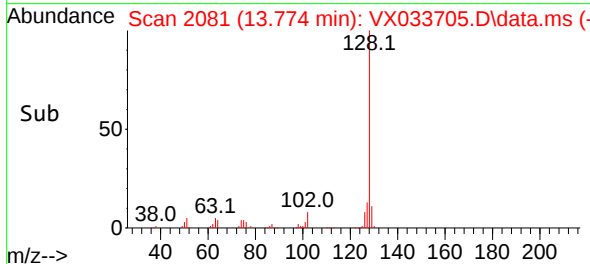
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBSD01



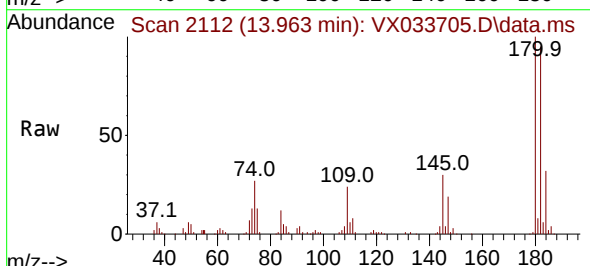
Tgt Ion:128 Resp: 11627  
Ion Ratio Lower Upper  
128 100  
127 13.3 10.4 15.6  
129 10.7 8.8 13.2

Manual Integrations  
APPROVED

Reviewed By :John Carlone 01/13/2023  
Supervised By :Mahesh Dadoda 01/13/2023



#92  
1,2,3-Trichlorobenzene  
Concen: 15.492 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. 0.000 min  
Lab File: VX033705.D  
Acq: 12 Jan 2023 12:03



Tgt Ion:180 Resp: 38664  
Ion Ratio Lower Upper  
180 100  
182 95.7 0.0 191.2  
145 30.8 0.0 60.4

