

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051524\  
 Data File : VX041538.D  
 Acq On : 15 May 2024 14:33  
 Operator : JC/MD  
 Sample : VX0515WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0515WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/16/2024  
 Supervised By : Mahesh Dadoda 05/16/2024

Quant Time: May 16 05:25:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X051524W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu May 16 05:13:13 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Bromochloromethane        | 4.897          | 128  | 34154      | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 6.757          | 114  | 187783     | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 10.055         | 117  | 176117     | 30.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 5.952          | 65   | 77171      | 28.692   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = | 95.633%  |        |          |
| 60) 4-Bromofluorobenzene     | 11.079         | 95   | 83006      | 30.192   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = | 100.633% |        |          |
| 63) Toluene-d8               | 8.647          | 98   | 221819     | 29.382   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = | 97.933%  |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 32784      | 18.352   | ug/l   | 98       |
| 3) Chloromethane             | 1.294          | 50   | 33973      | 17.367   | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 35102      | 17.043   | ug/l   | 98       |
| 5) Bromomethane              | 1.599          | 94   | 21303      | 16.262   | ug/l   | 93       |
| 6) Chloroethane              | 1.666          | 64   | 18618      | 17.880   | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 1.874          | 101  | 53320      | 17.056   | ug/l   | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 19708      | 16.881   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.319          | 101  | 34481      | 19.020   | ug/l   | 98       |
| 10) 1,1-Dichloroethene       | 2.312          | 96   | 32851      | 18.800   | ug/l   | 98       |
| 11) Methyl Iodide            | 2.447          | 142  | 34150      | 16.408   | ug/l   | 98       |
| 12) Methyl Acetate           | 2.703          | 43   | 46907      | 17.824   | ug/l   | 97       |
| 13) Acrolein                 | 2.239          | 56   | 23236      | 72.525   | ug/l   | 97       |
| 14) Acrylonitrile            | 3.068          | 53   | 102193     | 88.321   | ug/l   | 100      |
| 15) Acetone                  | 2.386          | 58   | 30949      | 99.831   | ug/l   | 97       |
| 16) Carbon Disulfide         | 2.501          | 76   | 72389      | 18.348   | ug/l   | 99       |
| 17) Allyl chloride           | 2.660          | 41   | 55859      | 18.013   | ug/l   | 96       |
| 18) Methylene Chloride       | 2.782          | 84   | 36308      | 17.470   | ug/l   | 97       |
| 19) trans-1,2-Dichloroethene | 3.087          | 96   | 33370      | 16.654   | ug/l   | 97       |
| 20) Diisopropyl ether        | 3.757          | 45   | 112199     | 17.221   | ug/l   | 97       |
| 21) 1,1-Dichloroethane       | 3.605          | 63   | 62019      | 16.960   | ug/l   | 98       |
| 22) cis-1,2-Dichloroethene   | 4.483          | 96   | 41677      | 17.117   | ug/l   | 96       |
| 23) tert-Butyl Alcohol       | 2.995          | 59   | 47120      | 95.963   | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 3.111          | 73   | 112313     | 17.216   | ug/l   | 100      |
| 25) Chloroform               | 5.092          | 83   | 66661      | 17.112   | ug/l   | 99       |
| 26) Cyclohexane              | 5.458          | 56   | 52799      | 17.315   | ug/l # | 99       |
| 29) 1,1-Dichloropropene      | 5.684          | 75   | 44725      | 18.005   | ug/l   | 99       |
| 30) 2-Butanone               | 4.562          | 43   | 154262     | 93.561   | ug/l   | 100      |
| 31) 2,2-Dichloropropane      | 4.465          | 77   | 53180      | 18.242   | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 58930      | 17.681   | ug/l   | 99       |
| 33) Carbon Tetrachloride     | 5.672          | 117  | 50893      | 17.846   | ug/l   | 97       |
| 34) Benzene                  | 6.031          | 78   | 138712     | 17.682   | ug/l   | 97       |
| 35) Methacrylonitrile        | 4.922          | 41   | 30275      | 18.203   | ug/l   | 95       |
| 36) 1,2-Dichloroethane       | 6.080          | 62   | 52024      | 17.771   | ug/l   | 99       |
| 37) Trichloroethene          | 7.123          | 130  | 38772      | 17.738   | ug/l   | 99       |
| 38) Methylcyclohexane        | 7.373          | 83   | 58470      | 18.538   | ug/l   | 99       |
| 39) 1,2-Dichloropropane      | 7.427          | 63   | 32902      | 17.742   | ug/l   | 99       |
| 40) Dibromomethane           | 7.580          | 93   | 25325      | 17.352   | ug/l   | 98       |
| 41) Bromodichloromethane     | 7.818          | 83   | 47209      | 17.229   | ug/l   | 100      |
| 42) Vinyl Acetate            | 3.721          | 43   | 511544     | 89.423   | ug/l   | 100      |

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 Sample : VX0515WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0515WBS01

Quant Time: May 16 05:25:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X051524W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu May 16 05:13:13 2024  
 Response via : Initial Calibration

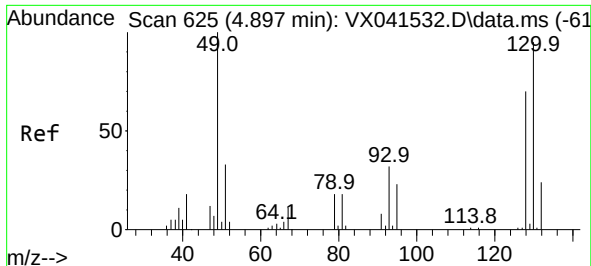
Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/16/2024  
 Supervised By : Mahesh Dadoda 05/16/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 43) Ethyl Acetate             | 4.714  | 43   | 55225    | 17.359  | ug/l  | 99       |
| 44) Isopropyl Acetate         | 6.336  | 43   | 84914    | 17.657  | ug/l  | 100      |
| 45) 1,4-Dioxane               | 7.665  | 88   | 20718m   | 382.012 | ug/l  |          |
| 46) Methyl methacrylate       | 7.696  | 41   | 42994    | 17.969  | ug/l  | 96       |
| 47) n-amyl Acetate            | 10.841 | 43   | 76060    | 17.441  | ug/l  | 100      |
| 48) t-1,3-Dichloropropene     | 8.976  | 75   | 47651    | 17.317  | ug/l  | 100      |
| 49) cis-1,3-Dichloropropene   | 8.366  | 75   | 50923    | 17.086  | ug/l  | 98       |
| 50) 1,1,2-Trichloroethane     | 9.153  | 97   | 36017    | 17.739  | ug/l  | 95       |
| 51) Ethyl methacrylate        | 9.116  | 69   | 57031    | 17.451  | ug/l  | 95       |
| 52) 1,3-Dichloropropane       | 9.305  | 76   | 58175    | 17.340  | ug/l  | 99       |
| 53) Dibromochloromethane      | 9.518  | 129  | 39554    | 17.122  | ug/l  | 99       |
| 54) 1,2-Dibromoethane         | 9.610  | 107  | 38478    | 17.872  | ug/l  | 100      |
| 55) 2-Chloroethyl vinyl ether | 8.238  | 63   | 118376   | 74.210  | ug/l  | 100      |
| 56) Bromoform                 | 10.799 | 173  | 31581    | 17.063  | ug/l  | 99       |
| 58) 4-Methyl-2-Pentanone      | 8.574  | 43   | 291763   | 90.668  | ug/l  | 98       |
| 59) 2-Hexanone                | 9.433  | 43   | 235923   | 92.030  | ug/l  | 100      |
| 61) Tetrachloroethene         | 9.269  | 164  | 38749    | 17.983  | ug/l  | 97       |
| 62) Toluene                   | 8.714  | 91   | 154409   | 17.620  | ug/l  | 100      |
| 64) Chlorobenzene             | 10.079 | 112  | 105960   | 17.801  | ug/l  | 99       |
| 65) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 36417    | 17.285  | ug/l  | 99       |
| 66) Ethyl Benzene             | 10.195 | 91   | 170563   | 17.528  | ug/l  | 100      |
| 67) m/p-Xylenes               | 10.299 | 106  | 137188   | 36.053  | ug/l  | 98       |
| 68) o-Xylene                  | 10.640 | 106  | 67790    | 17.698  | ug/l  | 99       |
| 69) Styrene                   | 10.652 | 104  | 112358   | 17.495  | ug/l  | 99       |
| 70) Isopropylbenzene          | 10.963 | 105  | 176278   | 18.213  | ug/l  | 100      |
| 71) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 59035    | 17.755  | ug/l  | 100      |
| 72) 1,2,3-Trichloropropane    | 11.238 | 75   | 54546m   | 18.191  | ug/l  |          |
| 73) Bromobenzene              | 11.195 | 156  | 49254    | 17.319  | ug/l  | 98       |
| 74) n-propylbenzene           | 11.305 | 91   | 196708   | 18.024  | ug/l  | 99       |
| 75) 2-Chlorotoluene           | 11.366 | 91   | 123000   | 17.947  | ug/l  | 100      |
| 76) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 149678   | 18.118  | ug/l  | 99       |
| 77) t-1,4-Dichloro-2-butene   | 11.018 | 75   | 16173    | 17.160  | ug/l  | 90       |
| 78) 4-Chlorotoluene           | 11.451 | 91   | 137632   | 17.632  | ug/l  | 98       |
| 79) tert-butylbenzene         | 11.713 | 119  | 158575   | 18.035  | ug/l  | 99       |
| 80) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 148874   | 17.979  | ug/l  | 99       |
| 81) sec-Butylbenzene          | 11.890 | 105  | 186874   | 18.188  | ug/l  | 100      |
| 82) p-Isopropyltoluene        | 12.006 | 119  | 164596   | 18.301  | ug/l  | 99       |
| 83) 1,3-Dichlorobenzene       | 11.969 | 146  | 90954    | 17.833  | ug/l  | 99       |
| 84) 1,4-Dichlorobenzene       | 12.042 | 146  | 91130    | 17.683  | ug/l  | 98       |
| 85) n-Butylbenzene            | 12.329 | 91   | 129207   | 17.853  | ug/l  | 100      |
| 86) Hexachloroethane          | 12.536 | 117  | 25553    | 16.875  | ug/l  | 100      |
| 87) 1,2-Dichlorobenzene       | 12.335 | 146  | 90758    | 17.434  | ug/l  | 98       |
| 88) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 12978    | 17.773  | ug/l  | 99       |
| 89) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 63126    | 18.047  | ug/l  | 99       |
| 90) Hexachlorobutadiene       | 13.725 | 225  | 32181    | 18.858  | ug/l  | 98       |
| 91) Naphthalene               | 13.774 | 128  | 187787   | 17.962  | ug/l  | 99       |
| 92) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 64825    | 18.139  | ug/l  | 100      |

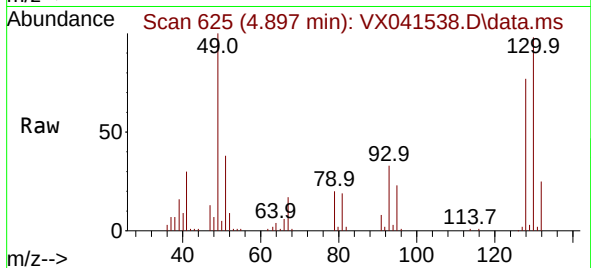
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.897 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

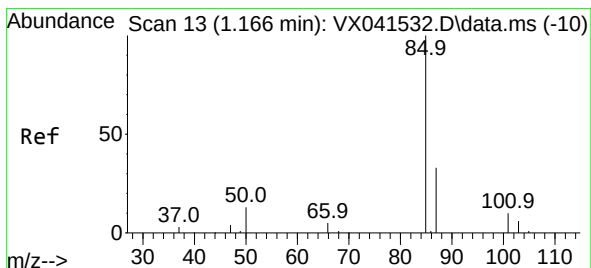
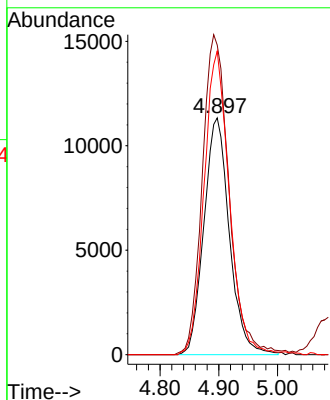
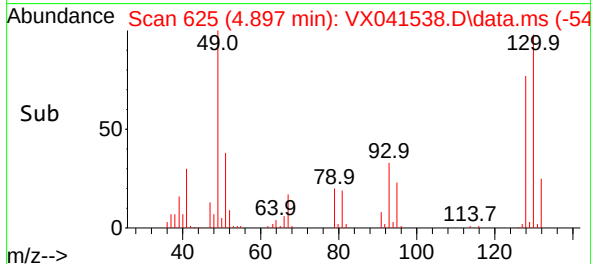
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



Tgt Ion:128 Resp: 34154  
Ion Ratio Lower Upper  
128 100  
49 141.6 0.0 361.5  
130 127.4 0.0 324.3

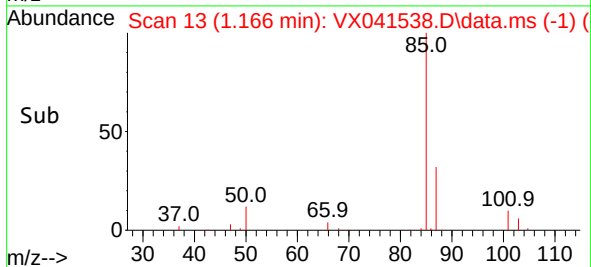
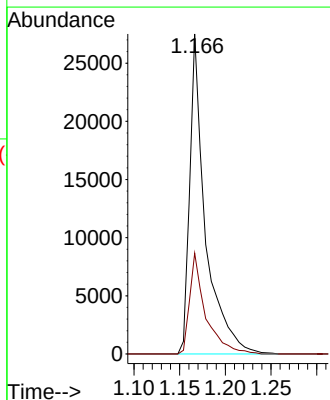
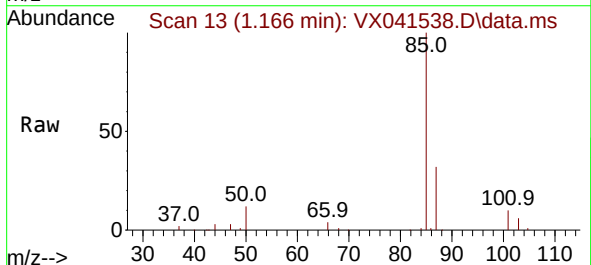
Manual Integrations  
APPROVED

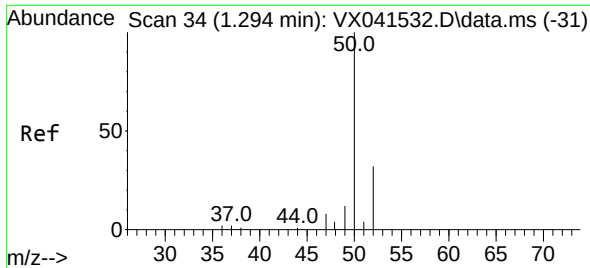
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#2  
Dichlorodifluoromethane  
Concen: 18.352 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

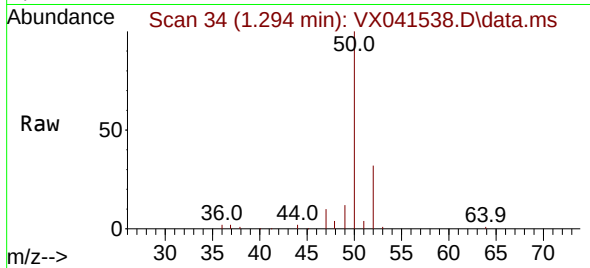
Tgt Ion: 85 Resp: 32784  
Ion Ratio Lower Upper  
85 100  
87 31.5 16.4 49.1





#3  
Chloromethane  
Concen: 17.367 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

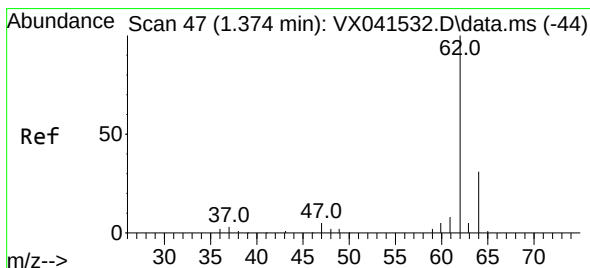
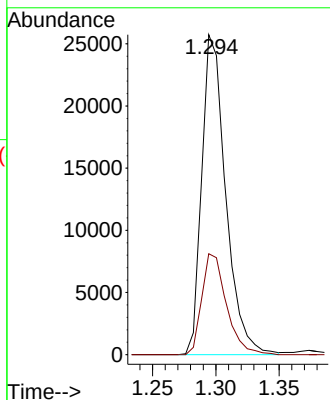
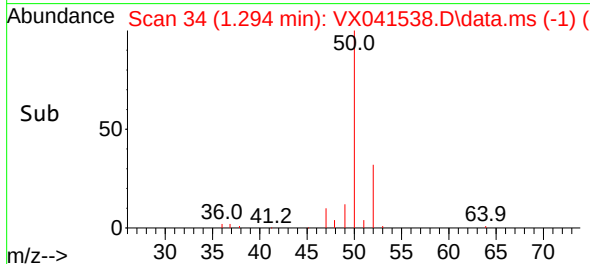
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



Tgt Ion: 50 Resp: 3397  
Ion Ratio Lower Upper  
50 100  
52 31.6 25.8 38.8

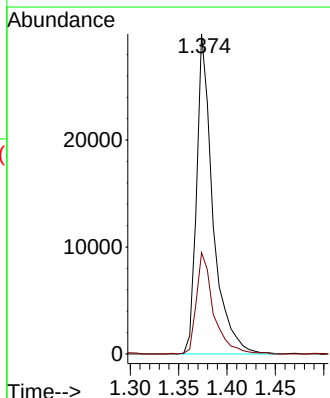
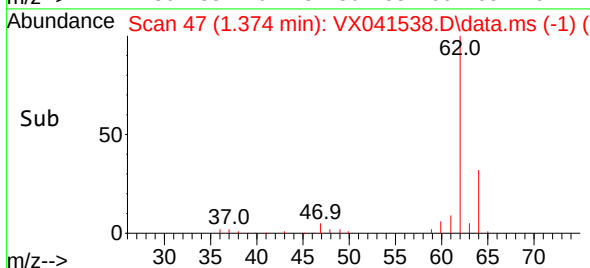
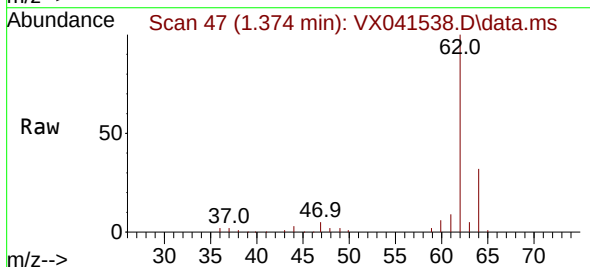
Manual Integrations  
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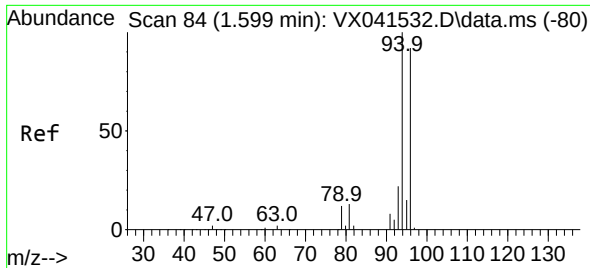
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#4  
Vinyl Chloride  
Concen: 17.043 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

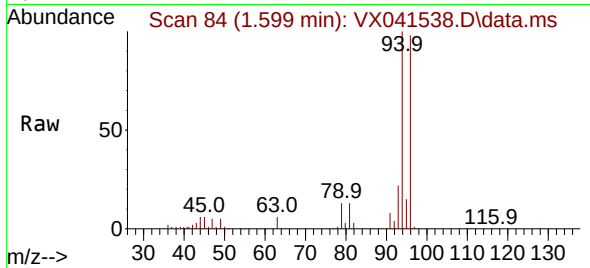
Tgt Ion: 62 Resp: 35102  
Ion Ratio Lower Upper  
62 100  
64 31.7 24.6 37.0





#5  
 Bromomethane  
 Concen: 16.262 ug/l  
 RT: 1.599 min Scan# 84  
 Delta R.T. 0.000 min  
 Lab File: VX041538.D  
 Acq: 15 May 2024 14:33

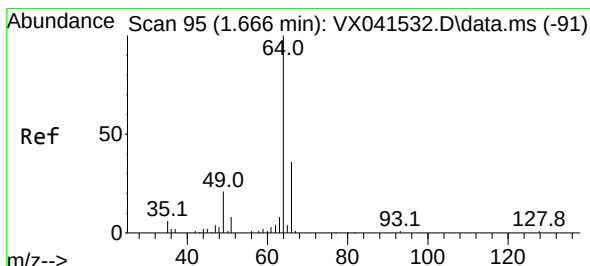
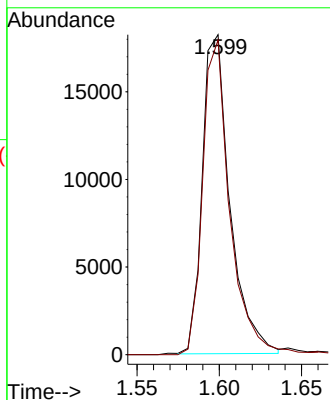
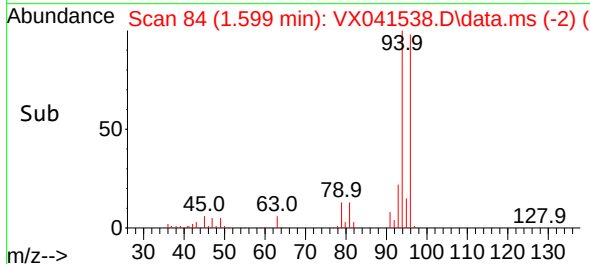
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0515WBS01



Tgt Ion: 94 Resp: 2130  
 Ion Ratio Lower Upper  
 94 100  
 96 98.7 73.9 110.9

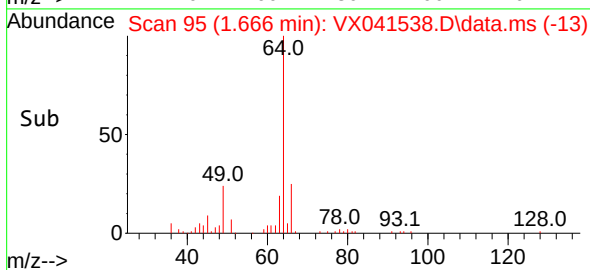
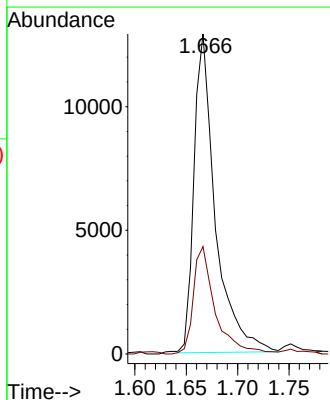
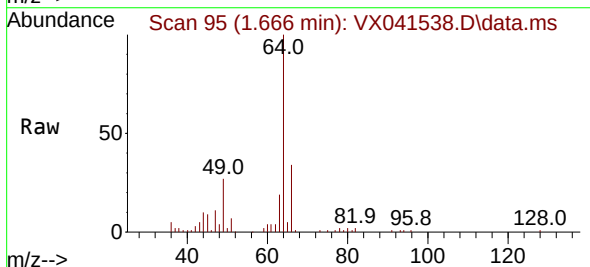
Manual Integrations  
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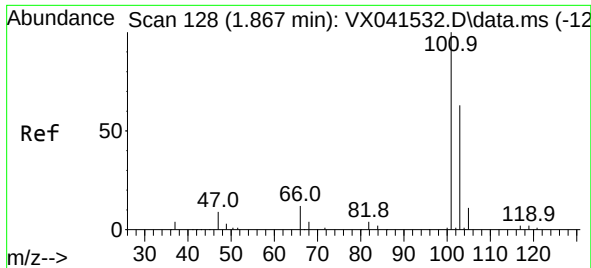
Reviewed By :John Carlone 05/16/2024  
 Supervised By :Mahesh Dadoda 05/16/2024



#6  
 Chloroethane  
 Concen: 17.880 ug/l  
 RT: 1.666 min Scan# 95  
 Delta R.T. 0.000 min  
 Lab File: VX041538.D  
 Acq: 15 May 2024 14:33

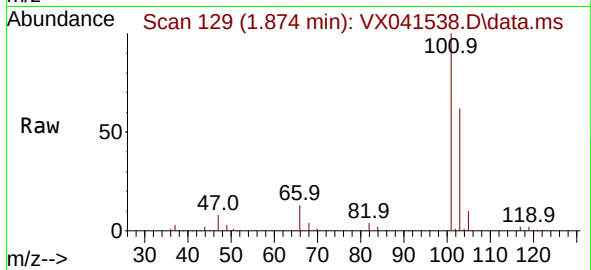
Tgt Ion: 64 Resp: 18618  
 Ion Ratio Lower Upper  
 64 100  
 66 33.4 28.6 42.8





#7  
Trichlorofluoromethane  
Concen: 17.056 ug/l  
RT: 1.874 min Scan# 101  
Delta R.T. 0.006 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

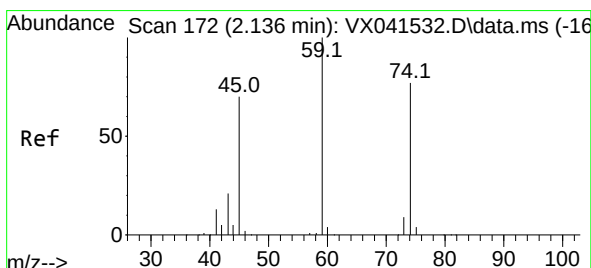
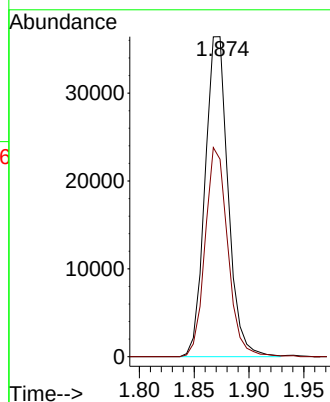
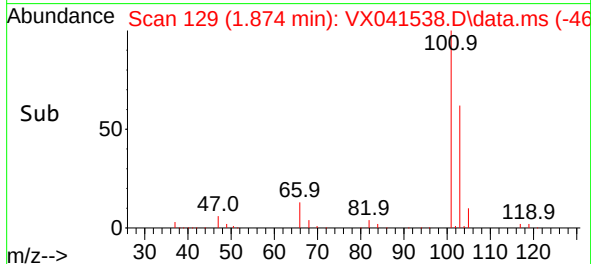
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



Tgt Ion:101 Resp: 53320  
Ion Ratio Lower Upper  
101 100  
103 61.7 50.1 75.1

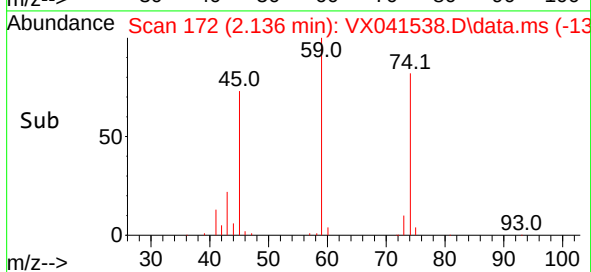
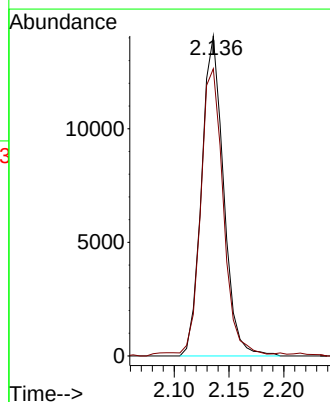
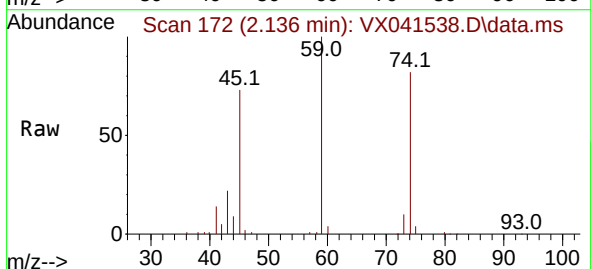
Manual Integrations  
APPROVED

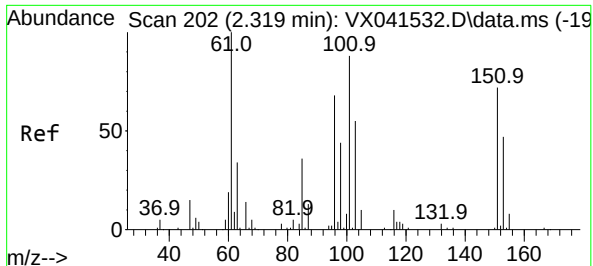
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#8  
Diethyl Ether  
Concen: 16.881 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

Tgt Ion: 74 Resp: 19708  
Ion Ratio Lower Upper  
74 100  
45 92.1 18.6 167.4





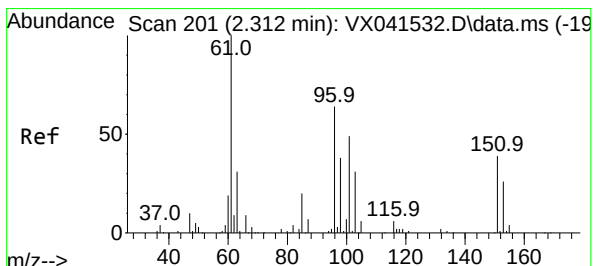
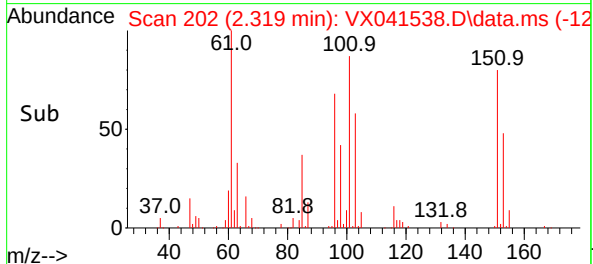
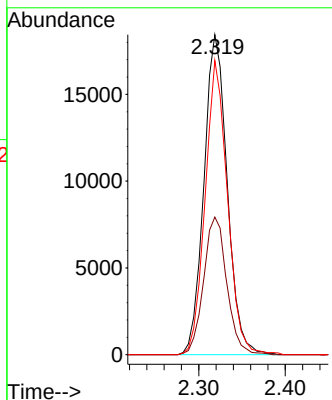
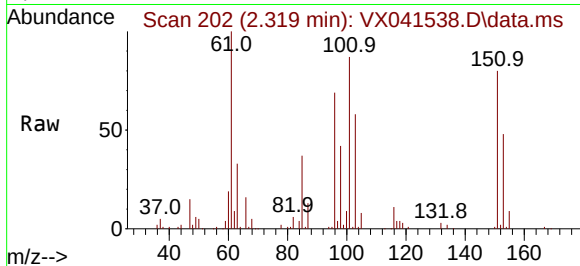
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.020 ug/l  
RT: 2.319 min Scan# 202  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01

Tgt Ion:101 Resp: 3448  
Ion Ratio Lower Upper  
101 100  
85 42.7 0.0 84.6  
151 87.9 0.0 170.2

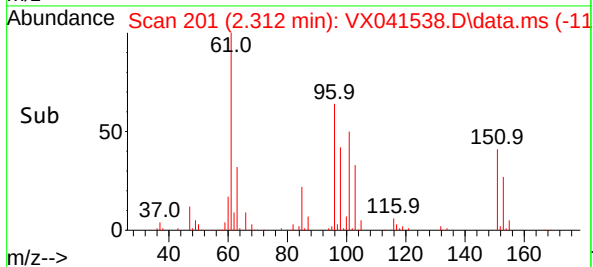
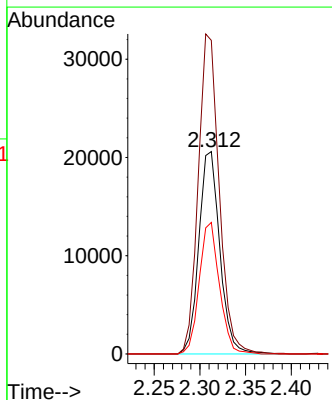
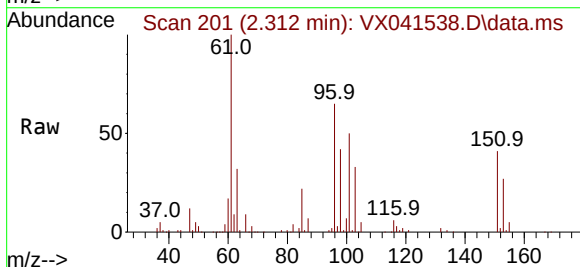
Manual Integrations  
APPROVED

Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024

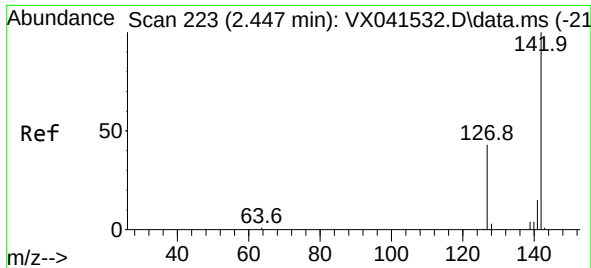


#10  
1,1-Dichloroethene  
Concen: 18.800 ug/l  
RT: 2.312 min Scan# 201  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

Tgt Ion: 96 Resp: 32851  
Ion Ratio Lower Upper  
96 100  
61 155.0 124.5 186.7  
98 65.0 47.9 71.9

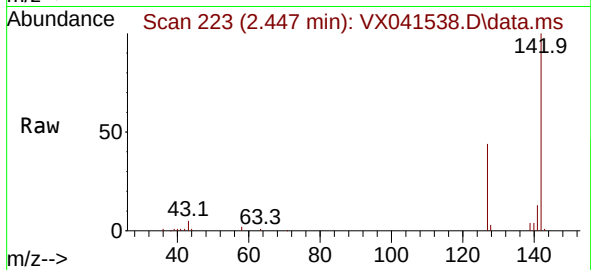






#11  
Methyl Iodide  
Concen: 16.408 ug/l  
RT: 2.447 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

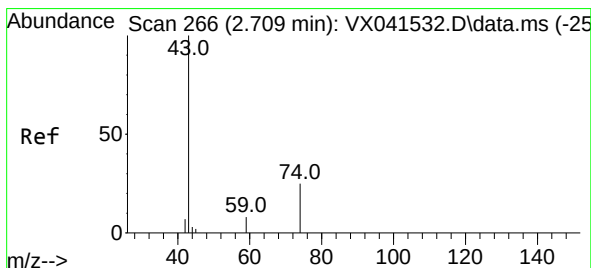
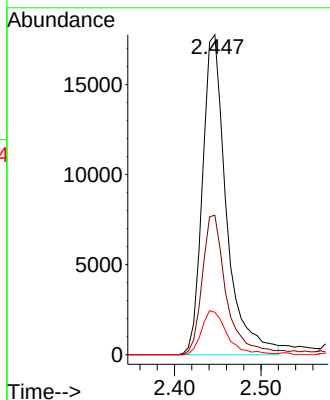
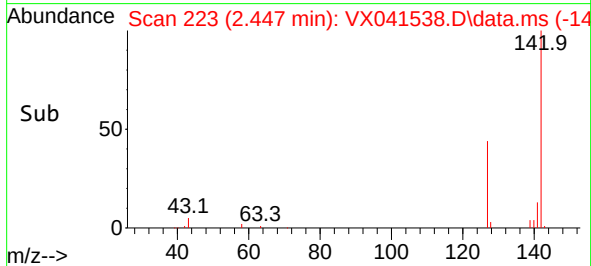
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



Tgt Ion:142 Resp: 34150  
Ion Ratio Lower Upper  
142 100  
127 43.6 21.4 64.2  
141 13.3 7.6 22.8

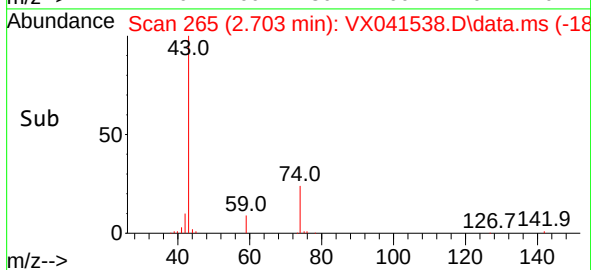
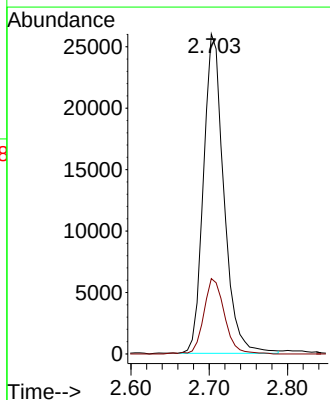
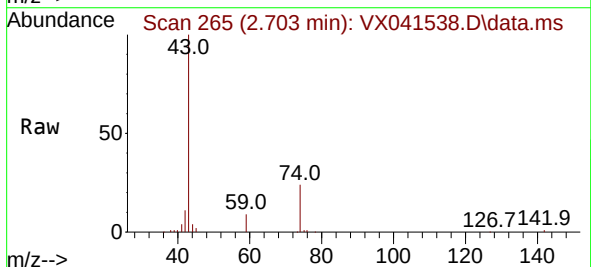
Manual Integrations  
APPROVED

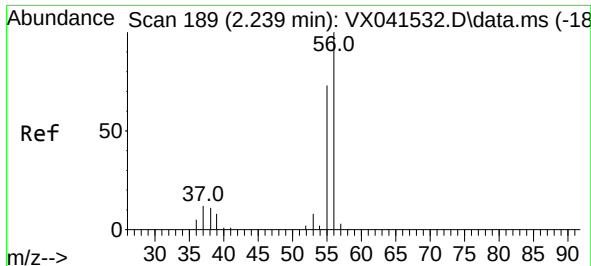
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#12  
Methyl Acetate  
Concen: 17.824 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.006 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

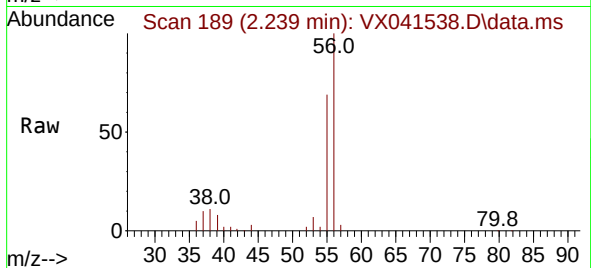
Tgt Ion: 43 Resp: 46907  
Ion Ratio Lower Upper  
43 100  
74 23.6 19.9 29.9





#13  
Acrolein  
Concen: 72.525 ug/l  
RT: 2.239 min Scan# 189  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

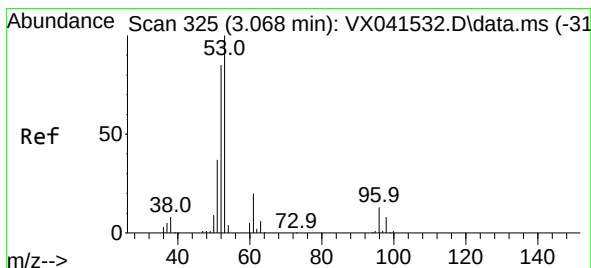
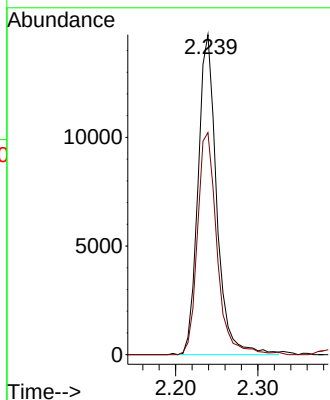
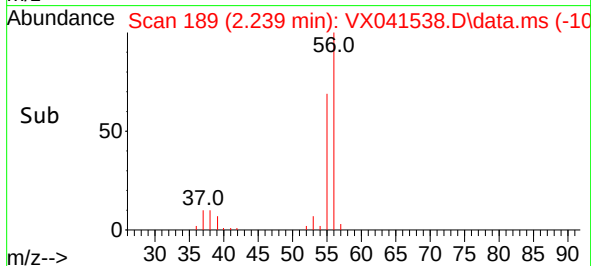
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



Tgt Ion: 56 Resp: 23230  
Ion Ratio Lower Upper  
56 100  
55 71.2 55.1 82.7

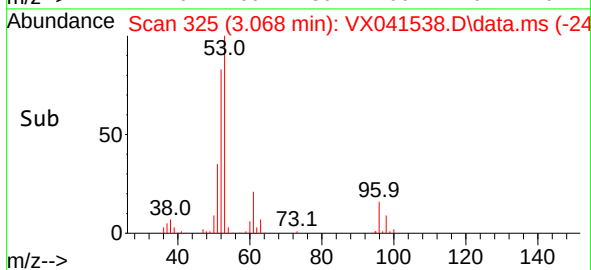
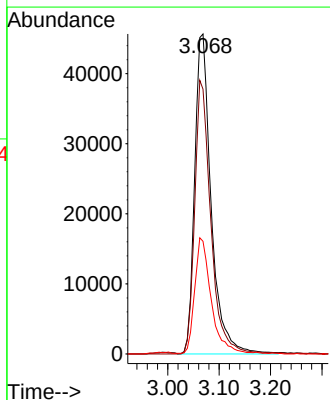
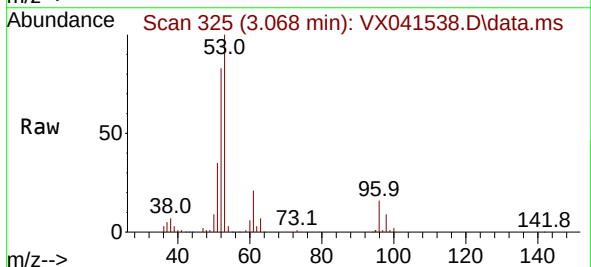
Manual Integrations  
APPROVED

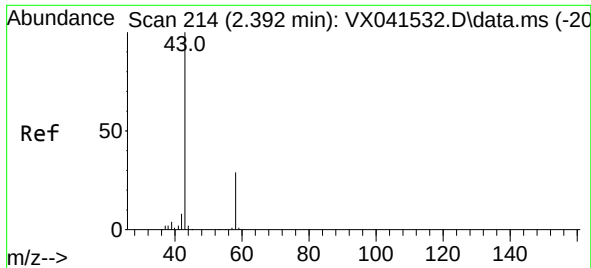
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#14  
Acrylonitrile  
Concen: 88.321 ug/l  
RT: 3.068 min Scan# 325  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

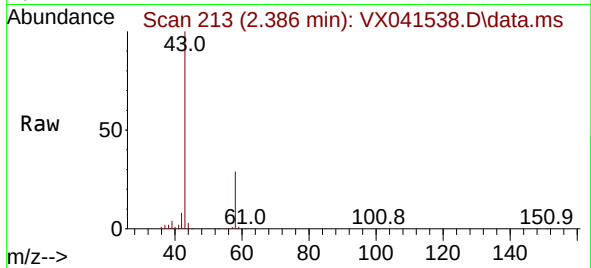
Tgt Ion: 53 Resp: 102193  
Ion Ratio Lower Upper  
53 100  
52 82.8 41.3 123.7  
51 36.3 18.4 55.0





#15  
Acetone  
Concen: 99.831 ug/l  
RT: 2.386 min Scan# 214  
Delta R.T. -0.006 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

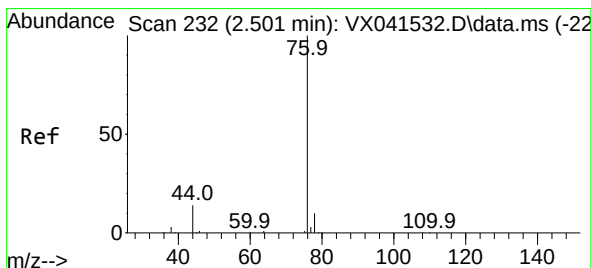
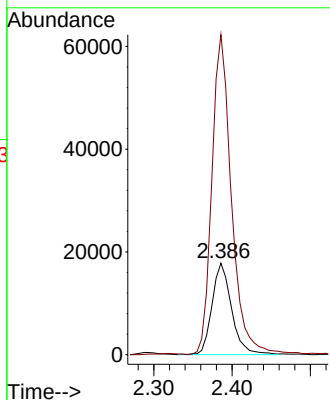
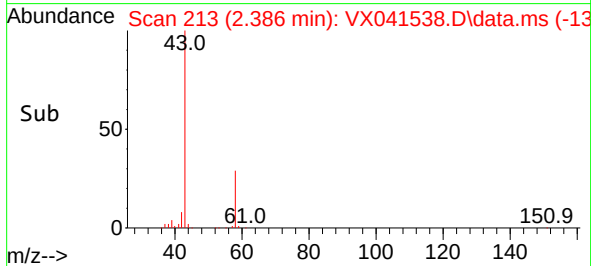
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



Tgt Ion: 58 Resp: 30949  
Ion Ratio Lower Upper  
58 100  
43 348.6 274.0 411.0

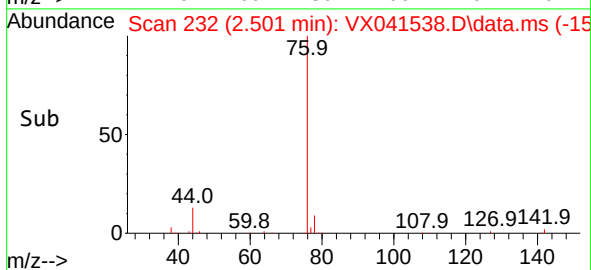
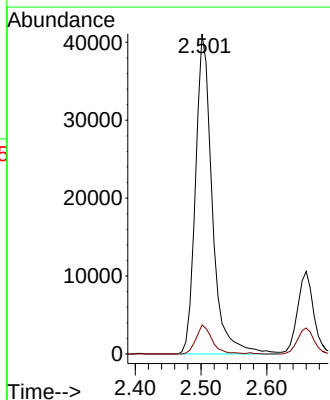
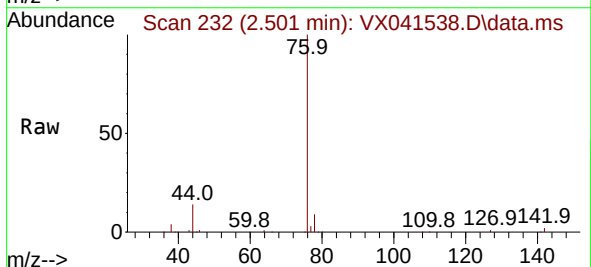
Manual Integrations  
APPROVED

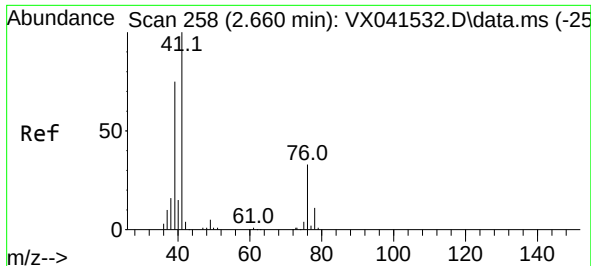
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#16  
Carbon Disulfide  
Concen: 18.348 ug/l  
RT: 2.501 min Scan# 232  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

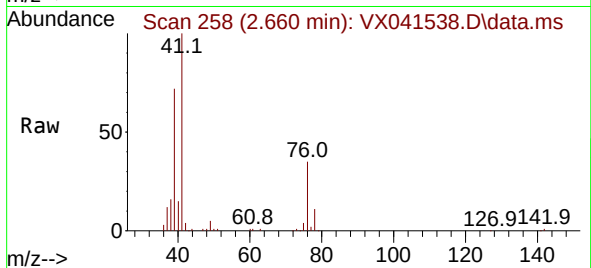
Tgt Ion: 76 Resp: 72389  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.6 11.4





#17  
 Allyl chloride  
 Concen: 18.013 ug/l  
 RT: 2.660 min Scan# 258  
 Delta R.T. 0.000 min  
 Lab File: VX041538.D  
 Acq: 15 May 2024 14:33

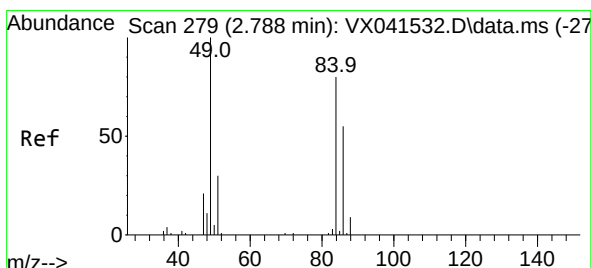
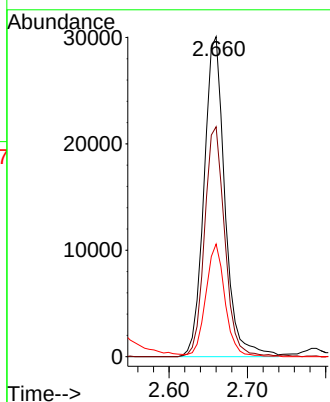
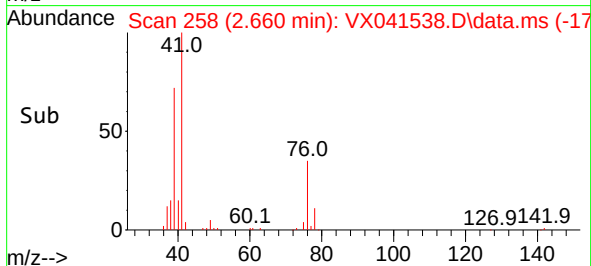
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0515WBS01



Tgt Ion: 41 Resp: 5585  
 Ion Ratio Lower Upper  
 41 100  
 39 71.8 37.5 112.7  
 76 35.0 16.6 49.8

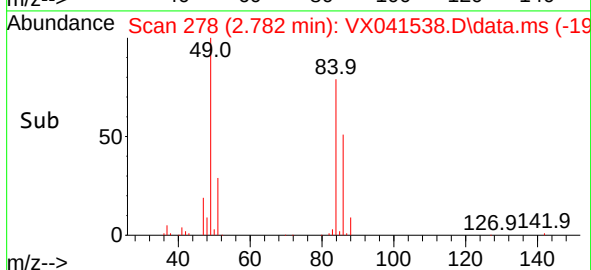
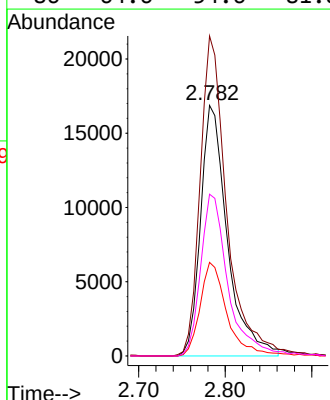
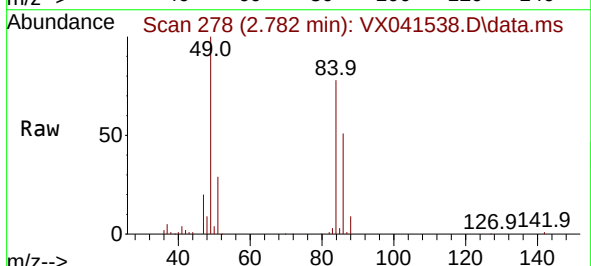
Manual Integrations  
 APPROVED

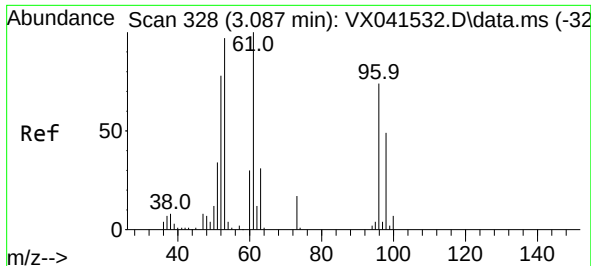
Reviewed By :John Carlone 05/16/2024  
 Supervised By :Mahesh Dadoda 05/16/2024



#18  
 Methylene Chloride  
 Concen: 17.470 ug/l  
 RT: 2.782 min Scan# 278  
 Delta R.T. -0.006 min  
 Lab File: VX041538.D  
 Acq: 15 May 2024 14:33

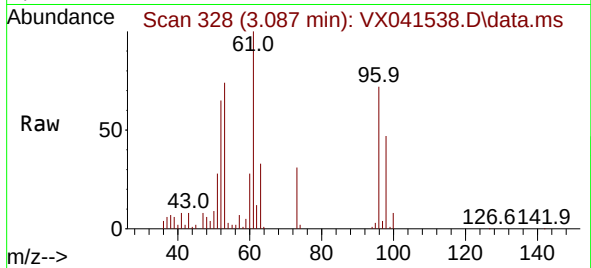
Tgt Ion: 84 Resp: 36308  
 Ion Ratio Lower Upper  
 84 100  
 49 127.1 99.8 149.8  
 51 37.3 30.2 45.4  
 86 64.6 54.6 81.8





#19  
trans-1,2-Dichloroethene  
Concen: 16.654 ug/l  
RT: 3.087 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

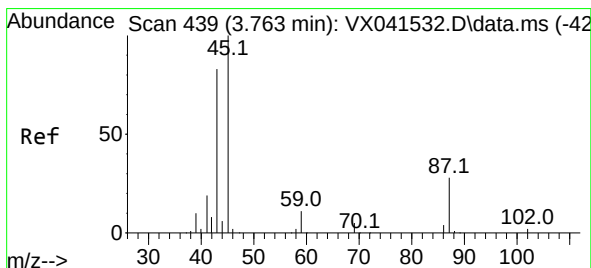
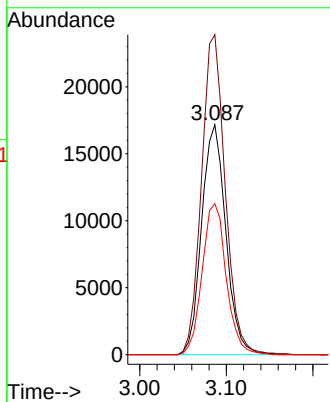
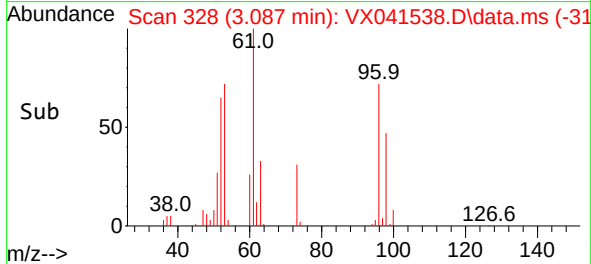
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



Tgt Ion: 96 Resp: 33370  
Ion Ratio Lower Upper  
96 100  
61 139.1 107.7 161.5  
98 65.7 53.1 79.7

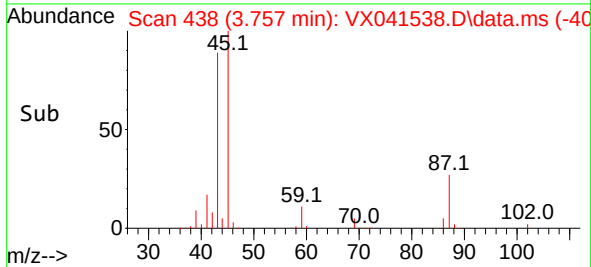
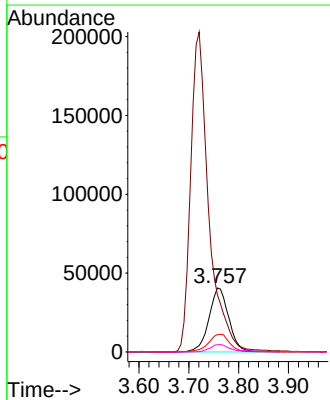
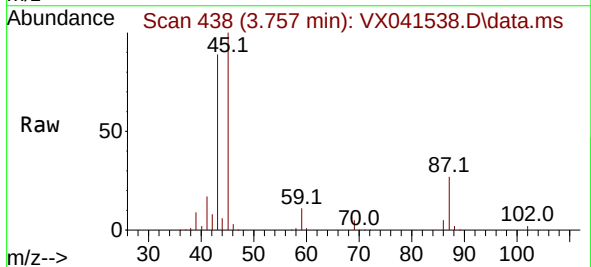
Manual Integrations  
APPROVED

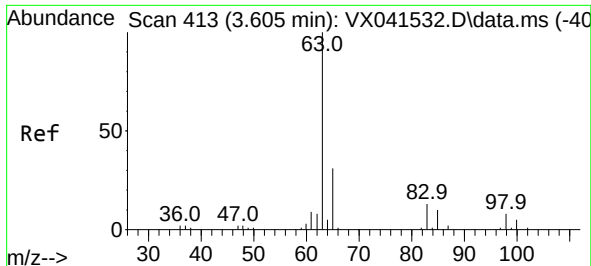
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#20  
Diisopropyl ether  
Concen: 17.221 ug/l  
RT: 3.757 min Scan# 438  
Delta R.T. -0.006 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

Tgt Ion: 45 Resp: 112199  
Ion Ratio Lower Upper  
45 100  
43 87.4 66.7 100.1  
87 27.0 22.4 33.6  
59 11.3 9.0 13.4





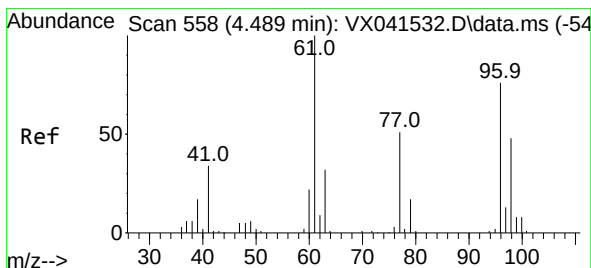
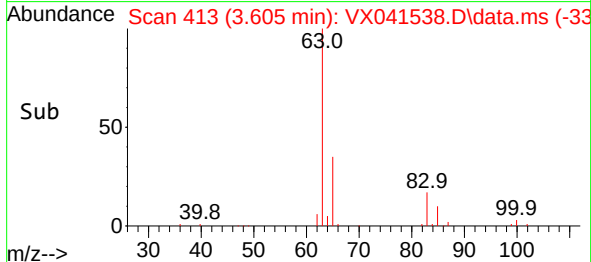
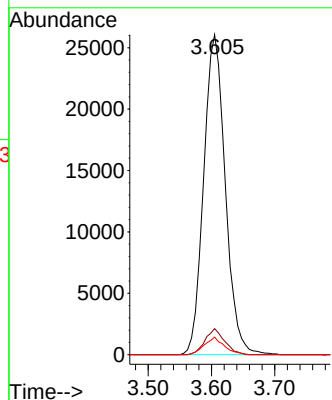
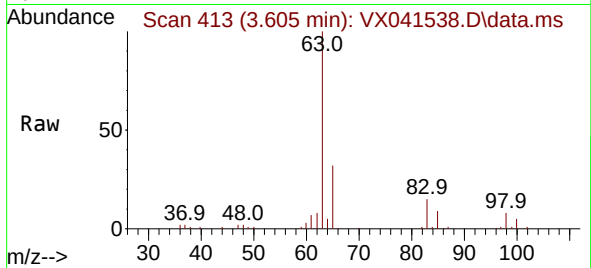
#21  
1,1-Dichloroethane  
Concen: 16.960 ug/l  
RT: 3.605 min Scan# 413  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01

Tgt Ion: 63 Resp: 62019  
Ion Ratio Lower Upper  
63 100  
98 8.2 3.8 11.4  
100 5.5 2.5 7.4

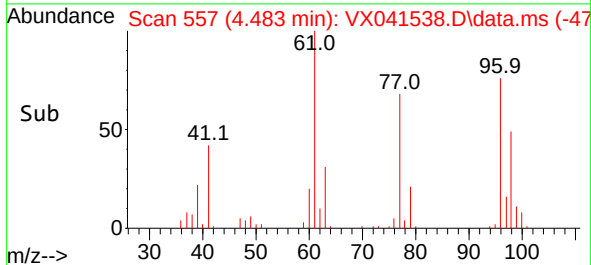
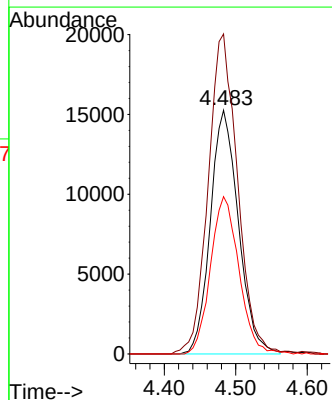
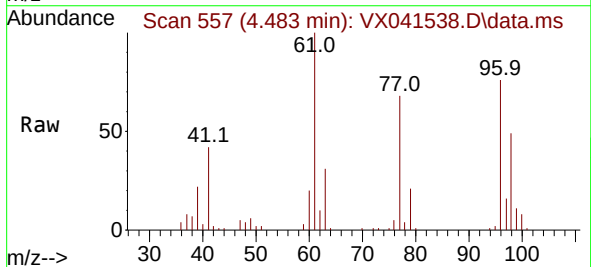
Manual Integrations  
APPROVED

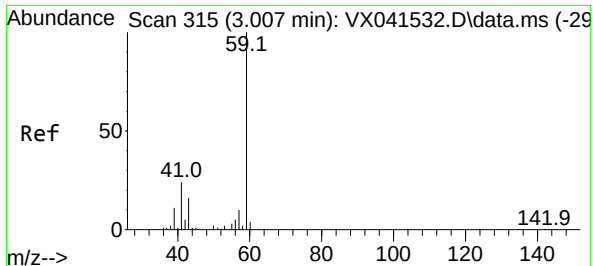
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#22  
cis-1,2-Dichloroethene  
Concen: 17.117 ug/l  
RT: 4.483 min Scan# 557  
Delta R.T. -0.006 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

Tgt Ion: 96 Resp: 41677  
Ion Ratio Lower Upper  
96 100  
61 136.7 114.2 171.4  
98 64.7 52.6 79.0





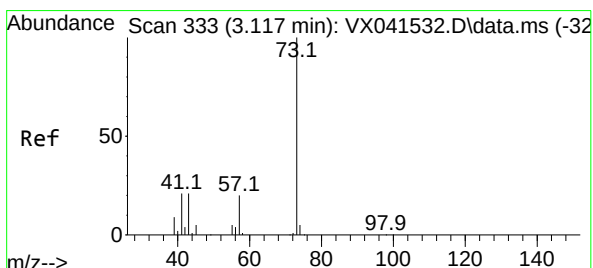
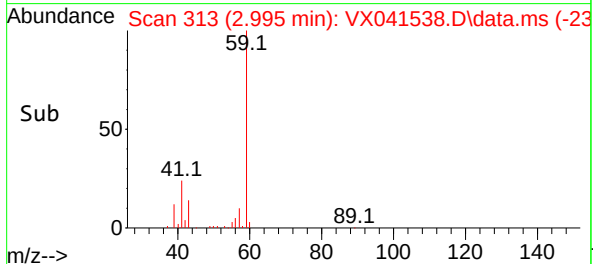
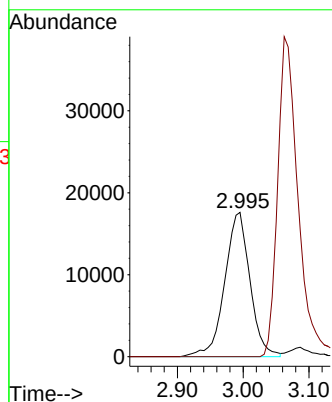
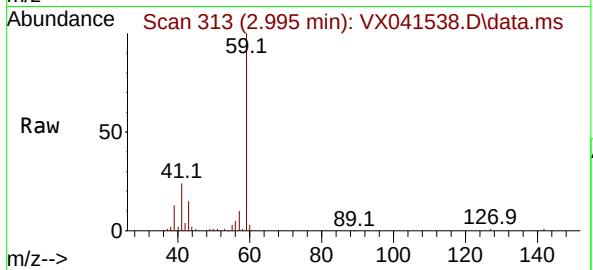
#23  
tert-Butyl Alcohol  
Concen: 95.963 ug/l  
RT: 2.995 min Scan# 315  
Delta R.T. -0.012 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01

Tgt Ion: 59 Resp: 47120  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0

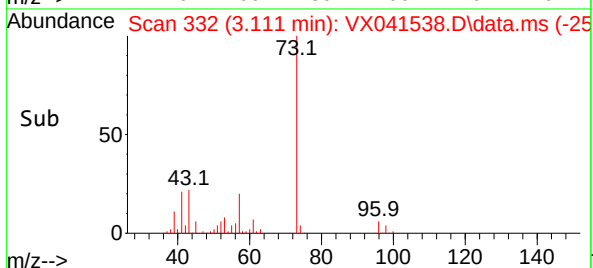
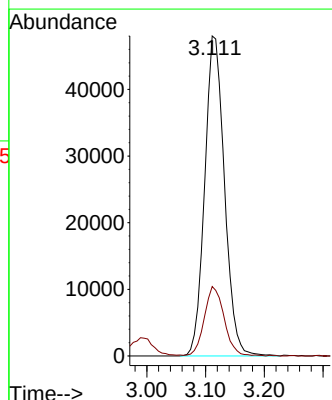
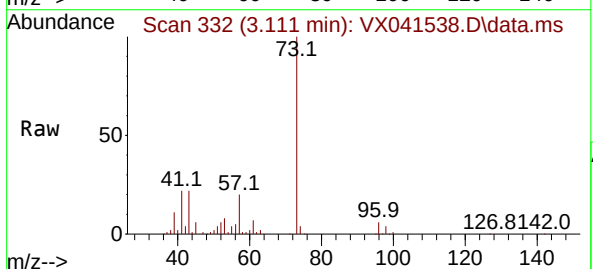
Manual Integrations  
APPROVED

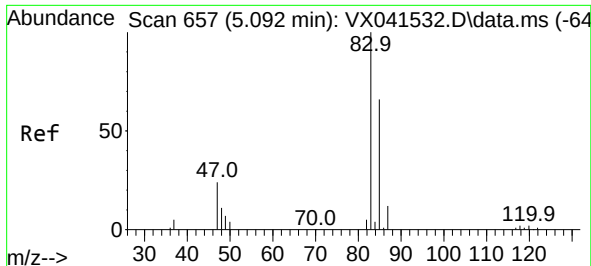
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#24  
Methyl tert-Butyl Ether  
Concen: 17.216 ug/l  
RT: 3.111 min Scan# 332  
Delta R.T. -0.006 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

Tgt Ion: 73 Resp: 112313  
Ion Ratio Lower Upper  
73 100  
43 21.7 17.2 25.8





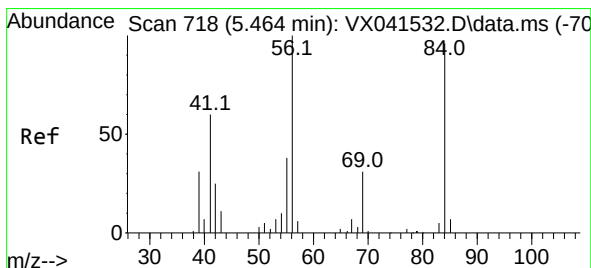
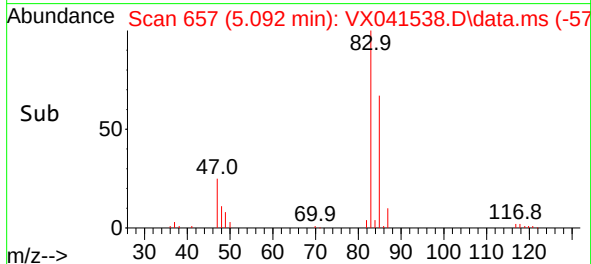
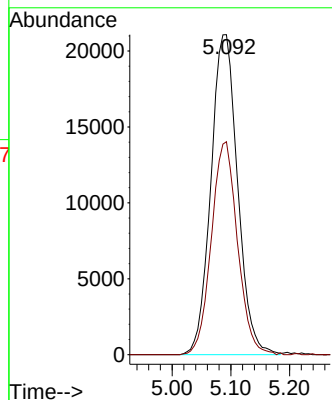
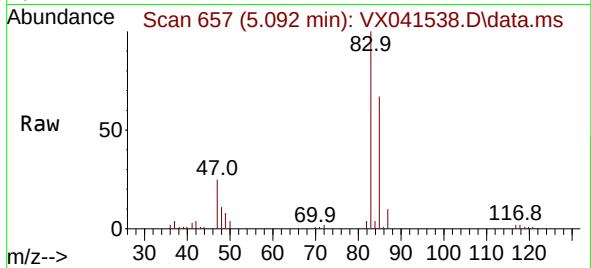
#25  
Chloroform  
Concen: 17.112 ug/l  
RT: 5.092 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01

Tgt Ion: 83 Resp: 6666  
Ion Ratio Lower Upper  
83 100  
85 66.6 52.9 79.3

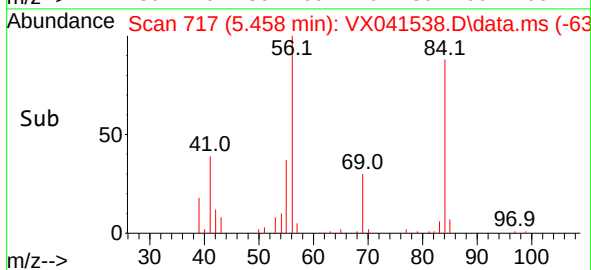
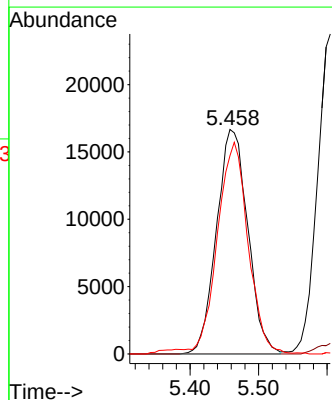
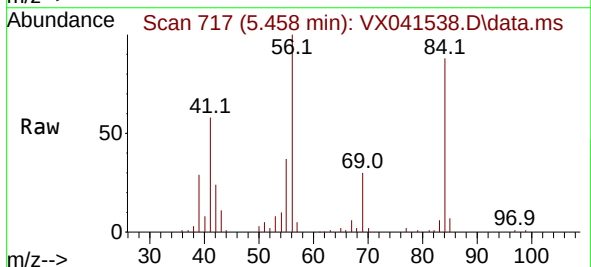
Manual Integrations  
APPROVED

Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024

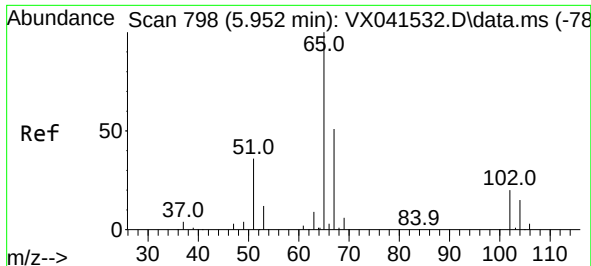


#26  
Cyclohexane  
Concen: 17.315 ug/l  
RT: 5.458 min Scan# 717  
Delta R.T. -0.006 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

Tgt Ion: 56 Resp: 52799  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 91.2 74.0 111.0







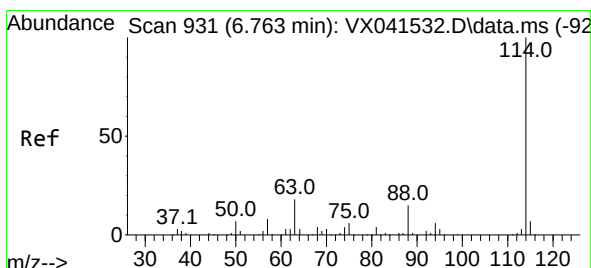
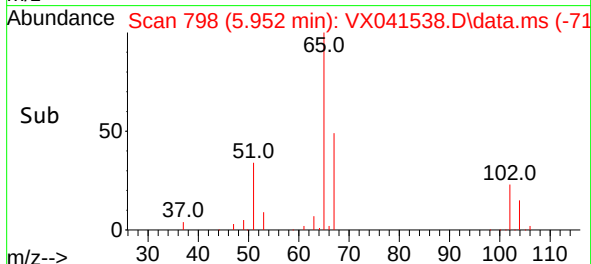
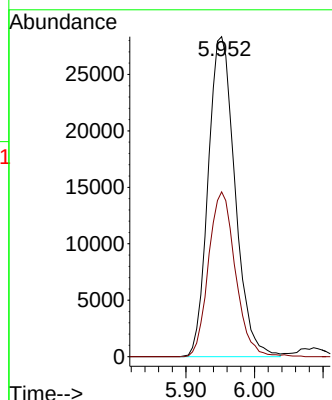
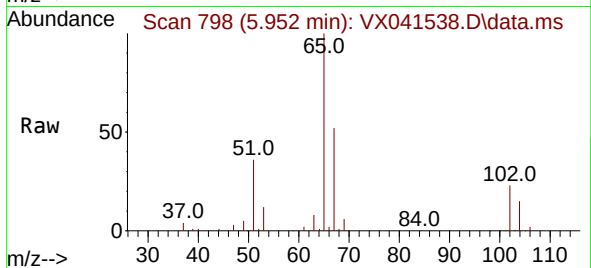
#27  
1,2-Dichloroethane-d4  
Concen: 28.692 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

Instrument :  
MSVOA\_X  
Client Sample Id :  
VX0515WBS01

Tgt Ion: 65 Resp: 7717  
Ion Ratio Lower Upper  
65 100  
67 51.3 40.8 61.2

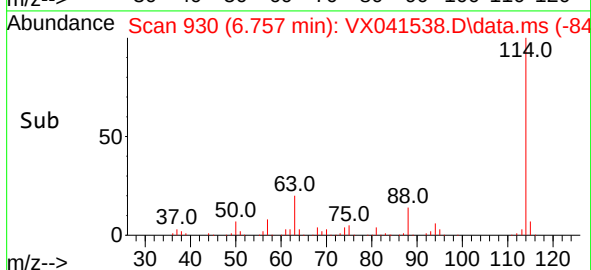
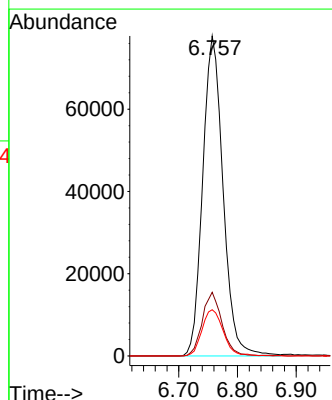
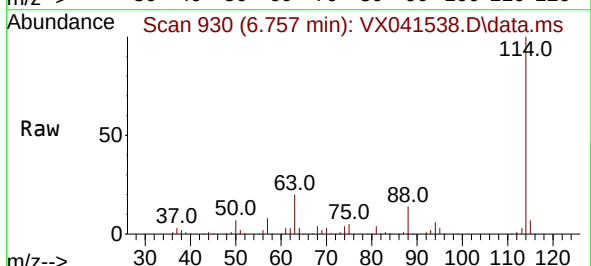
Manual Integrations  
APPROVED

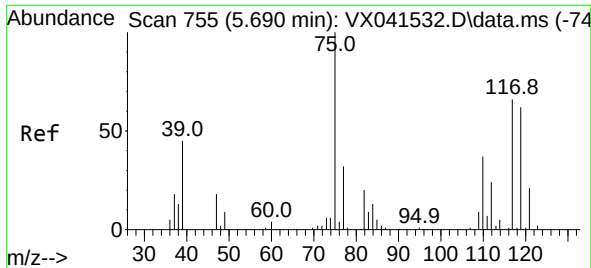
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.006 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

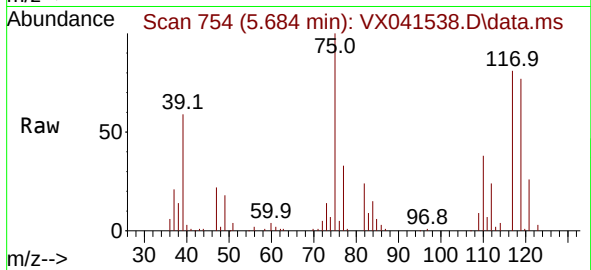
Tgt Ion:114 Resp: 187783  
Ion Ratio Lower Upper  
114 100  
63 19.2 15.4 23.0  
88 14.8 12.2 18.2





#29  
1,1-Dichloropropene  
Concen: 18.005 ug/l  
RT: 5.684 min Scan# 754  
Delta R.T. -0.006 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

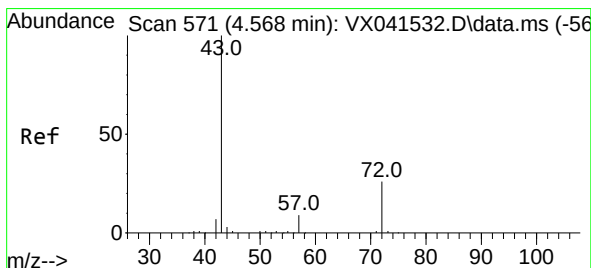
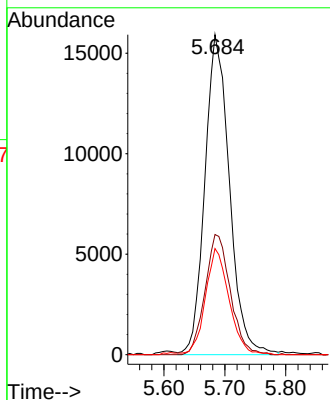
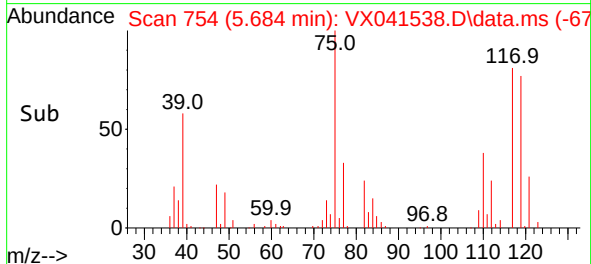
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



Tgt Ion: 75 Resp: 44725  
Ion Ratio Lower Upper  
75 100  
110 38.3 0.0 74.4  
77 31.0 0.0 62.6

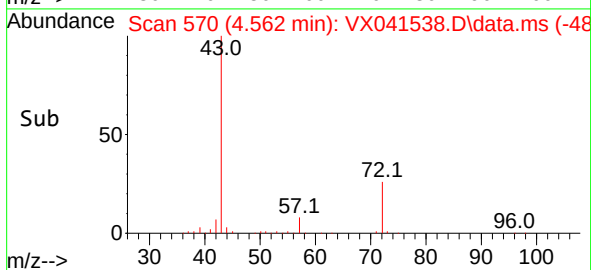
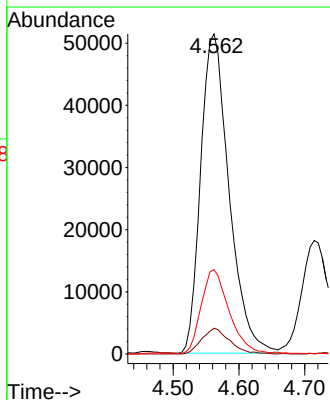
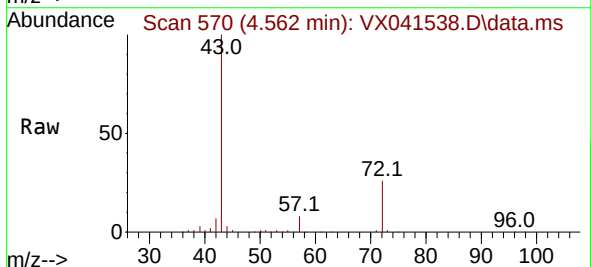
Manual Integrations  
APPROVED

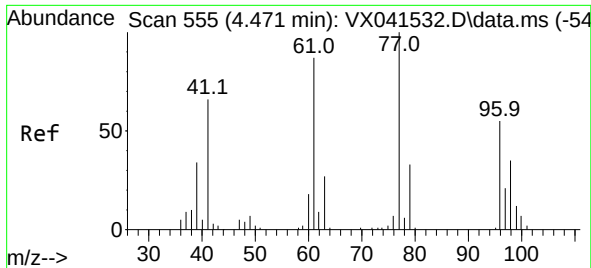
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#30  
2-Butanone  
Concen: 93.561 ug/l  
RT: 4.562 min Scan# 570  
Delta R.T. -0.006 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

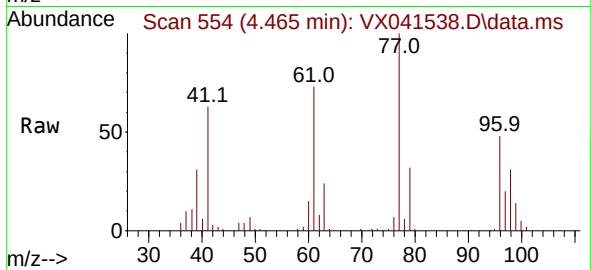
Tgt Ion: 43 Resp: 154262  
Ion Ratio Lower Upper  
43 100  
57 7.9 6.6 10.0  
72 26.0 20.7 31.1





#31  
2,2-Dichloropropane  
Concen: 18.242 ug/l  
RT: 4.465 min Scan# 554  
Delta R.T. -0.006 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

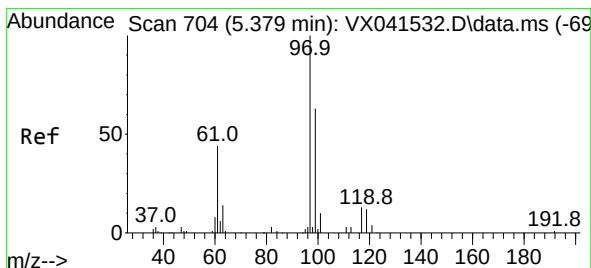
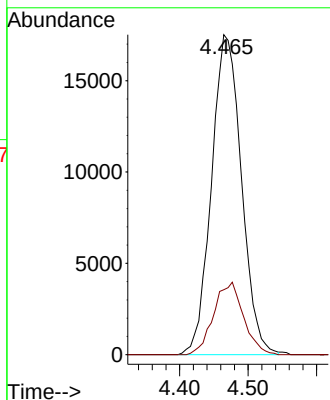
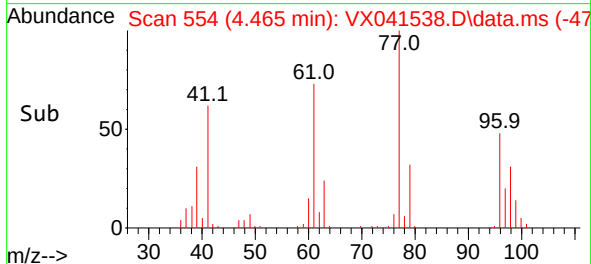
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



Tgt Ion: 77 Resp: 53180  
Ion Ratio Lower Upper  
77 100  
97 22.6 18.0 27.0

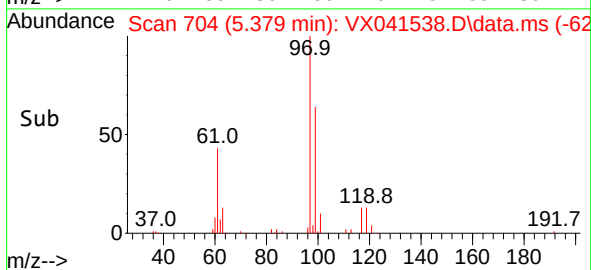
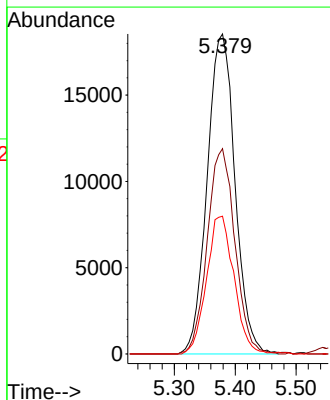
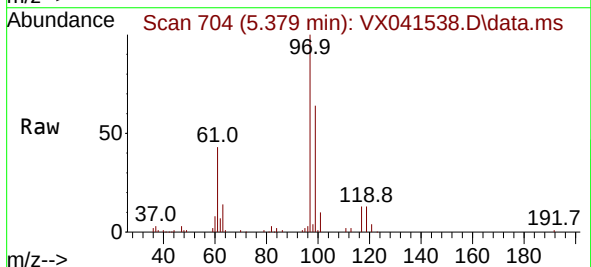
Manual Integrations  
APPROVED

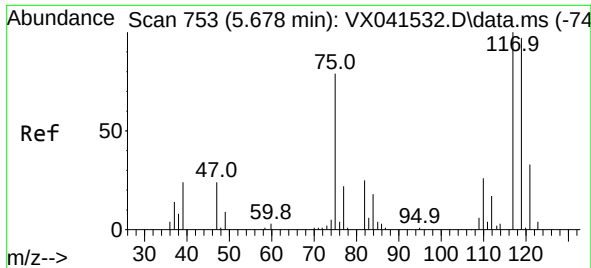
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#32  
1,1,1-Trichloroethane  
Concen: 17.681 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

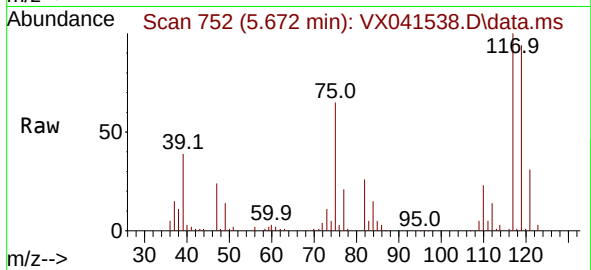
Tgt Ion: 97 Resp: 58930  
Ion Ratio Lower Upper  
97 100  
99 63.7 50.7 76.1  
61 42.4 34.6 51.8





#33  
Carbon Tetrachloride  
Concen: 17.846 ug/l  
RT: 5.672 min Scan# 752  
Delta R.T. -0.006 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

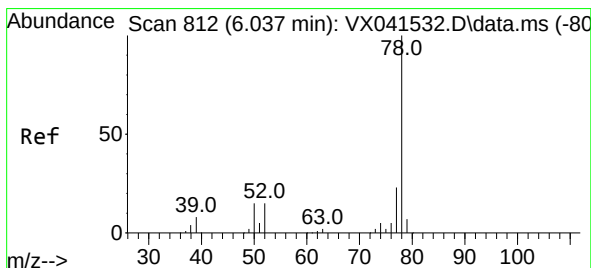
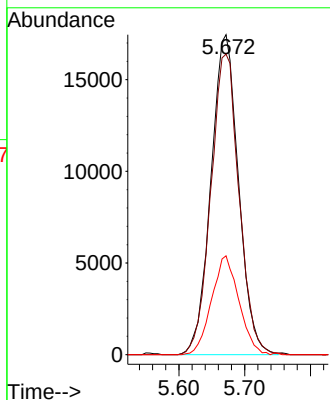
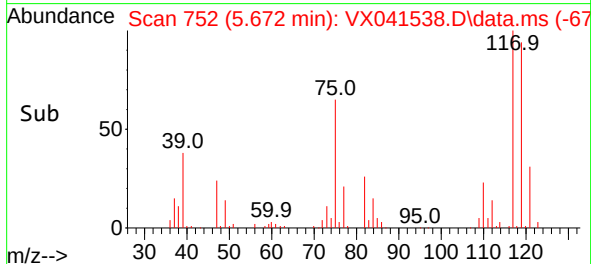
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



Tgt Ion:117 Resp: 5089  
Ion Ratio Lower Upper  
117 100  
119 93.9 77.4 116.2  
121 30.9 26.4 39.6

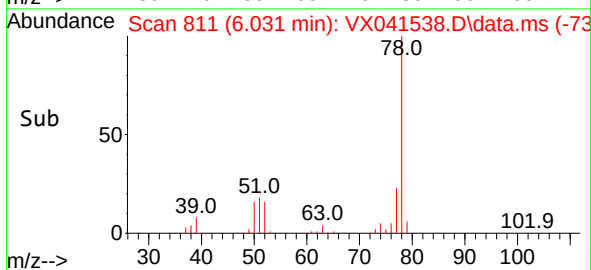
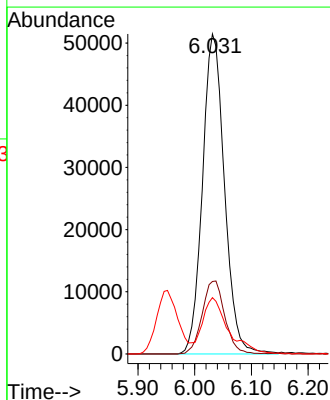
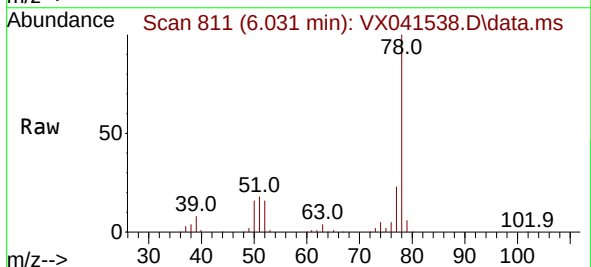
Manual Integrations  
APPROVED

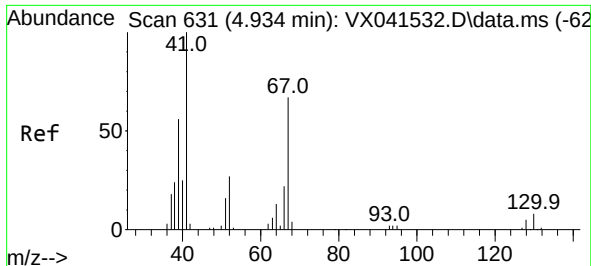
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#34  
Benzene  
Concen: 17.682 ug/l  
RT: 6.031 min Scan# 811  
Delta R.T. -0.006 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

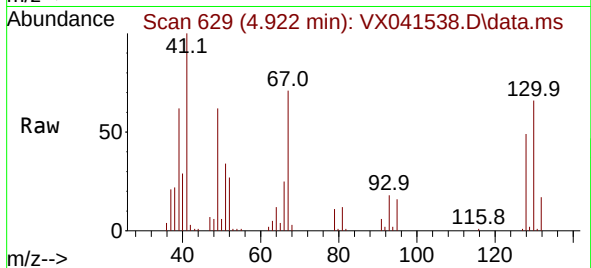
Tgt Ion: 78 Resp: 138712  
Ion Ratio Lower Upper  
78 100  
77 22.7 18.6 28.0  
51 17.3 12.4 18.6





#35  
Methacrylonitrile  
Concen: 18.203 ug/l  
RT: 4.922 min Scan# 61  
Delta R.T. -0.012 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

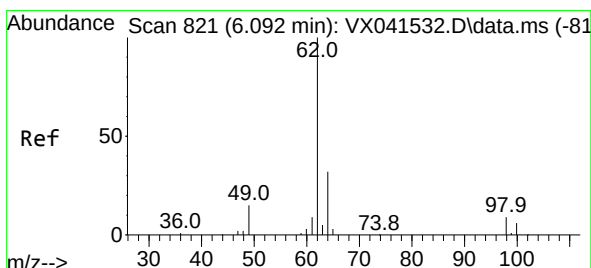
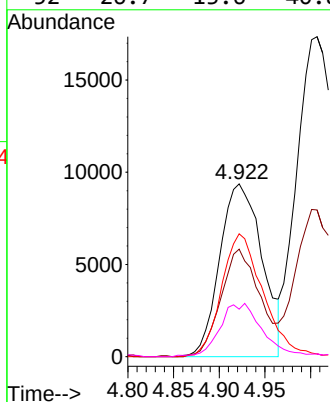
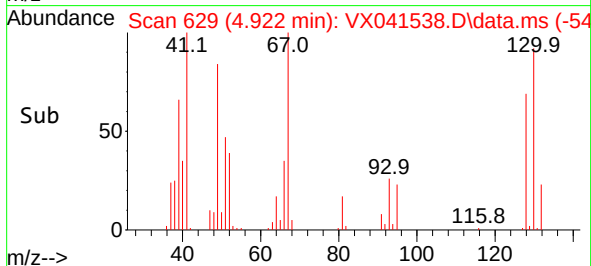
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



Tgt Ion: 41 Resp: 3027  
Ion Ratio Lower Upper  
41 100  
39 62.2 28.1 84.4  
67 71.1 33.7 101.1  
52 26.7 13.6 40.8

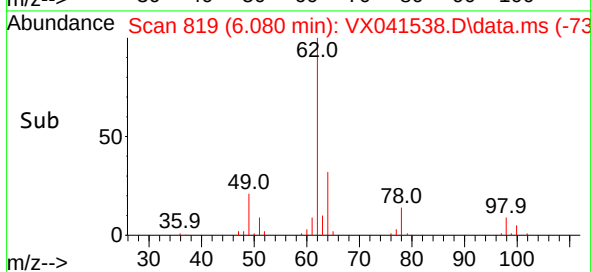
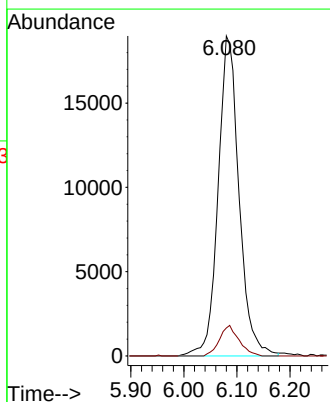
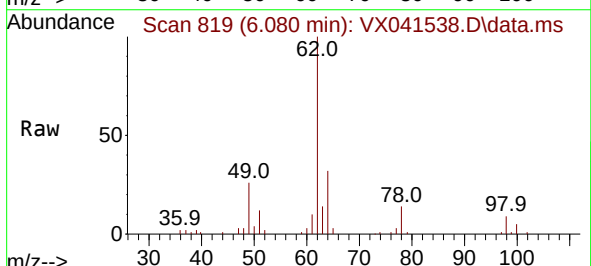
Manual Integrations  
APPROVED

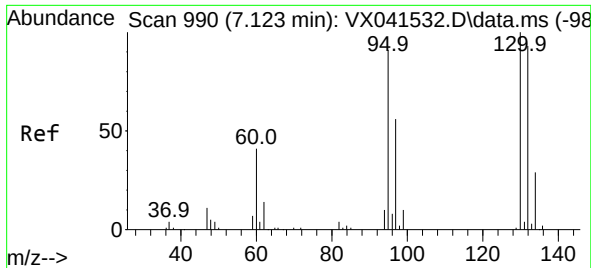
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#36  
1,2-Dichloroethane  
Concen: 17.771 ug/l  
RT: 6.080 min Scan# 819  
Delta R.T. -0.012 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

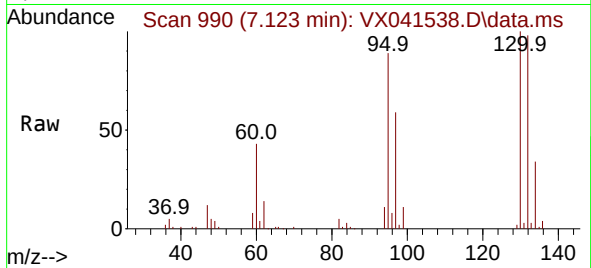
Tgt Ion: 62 Resp: 52024  
Ion Ratio Lower Upper  
62 100  
98 8.9 7.4 11.0





#37  
Trichloroethene  
Concen: 17.738 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

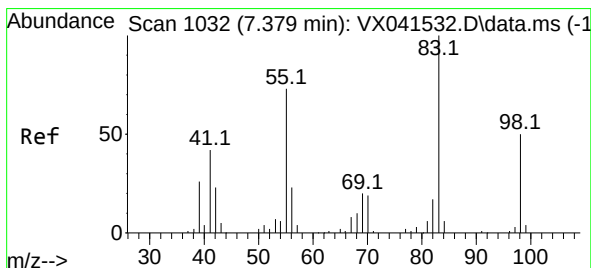
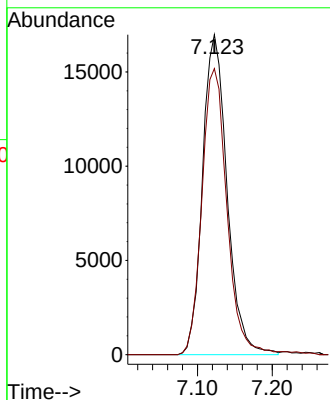
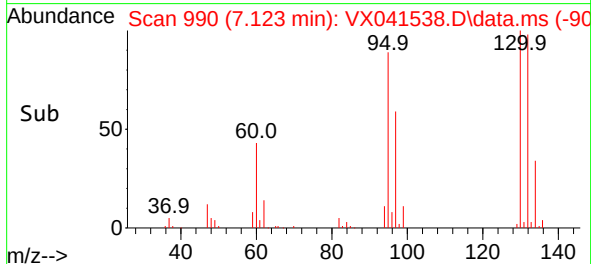
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



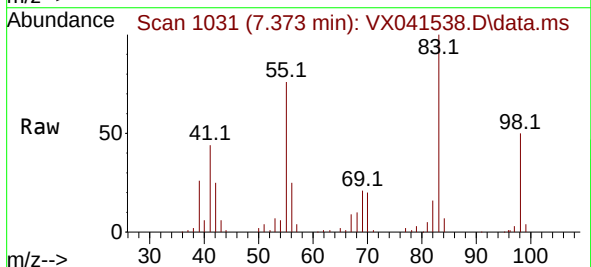
Tgt Ion:130 Resp: 38772  
Ion Ratio Lower Upper  
130 100  
95 89.4 72.6 108.8

Manual Integrations  
APPROVED

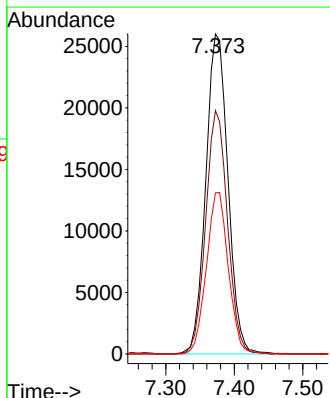
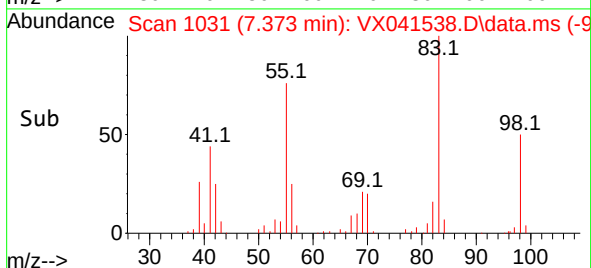
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024

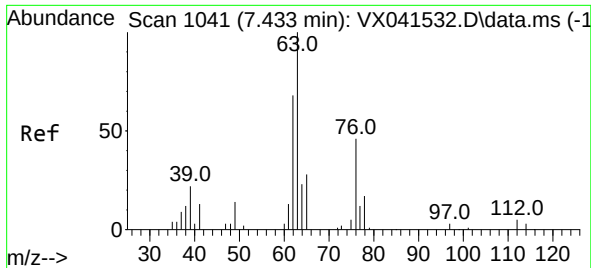


#38  
Methylcyclohexane  
Concen: 18.538 ug/l  
RT: 7.373 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33



Tgt Ion: 83 Resp: 58470  
Ion Ratio Lower Upper  
83 100  
55 74.9 37.7 113.1  
98 49.9 25.1 75.3





#39

1,2-Dichloropropane

Concen: 17.742 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VX041538.D

Acq: 15 May 2024 14:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0515WBS01

Tgt Ion: 63 Resp: 3290

Ion Ratio Lower Upper

63 100

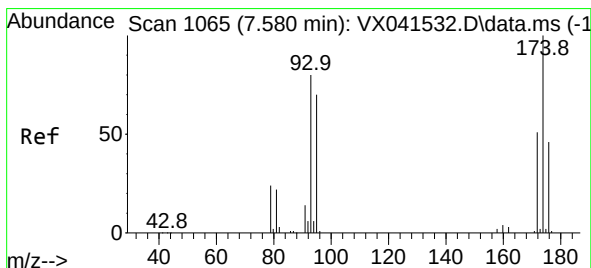
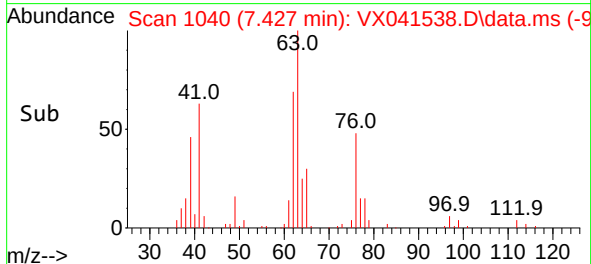
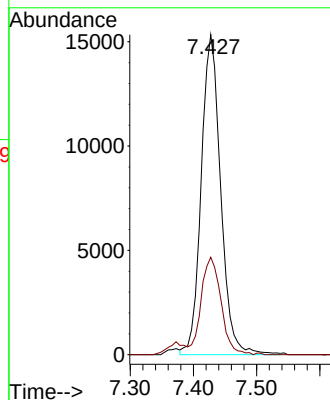
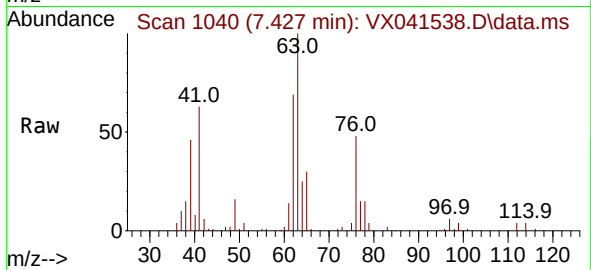
65 30.6 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2024

Supervised By :Mahesh Dadoda 05/16/2024



#40

Dibromomethane

Concen: 17.352 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VX041538.D

Acq: 15 May 2024 14:33

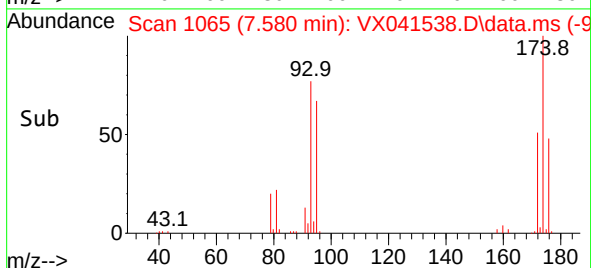
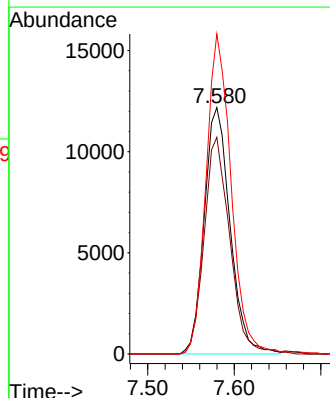
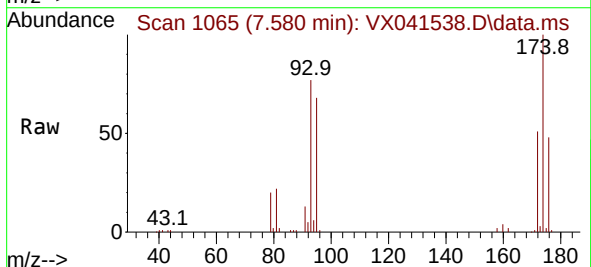
Tgt Ion: 93 Resp: 25325

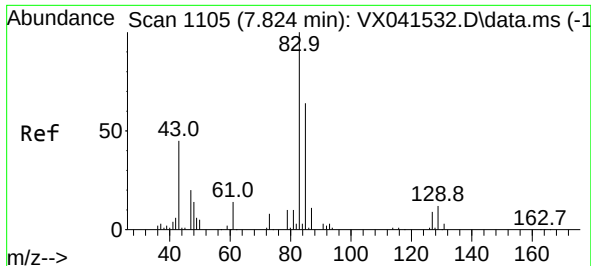
Ion Ratio Lower Upper

93 100

95 86.6 0.0 168.6

174 125.9 0.0 249.8





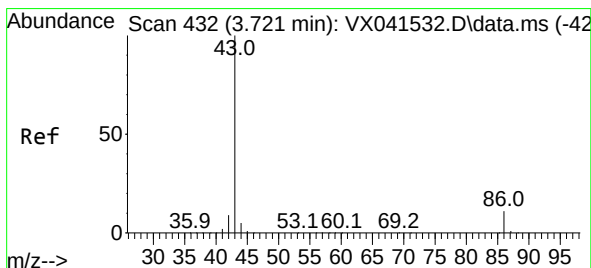
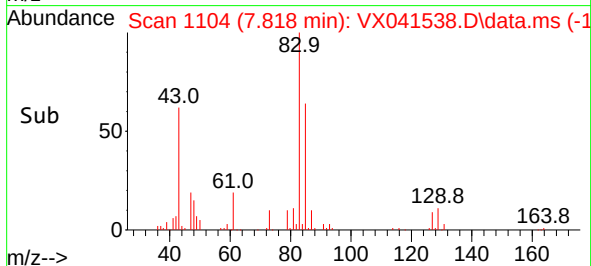
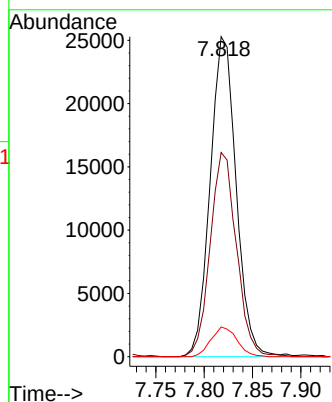
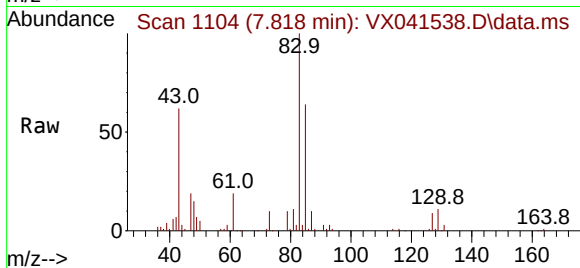
#41  
Bromodichloromethane  
Concen: 17.229 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. -0.006 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01

Tgt Ion: 83 Resp: 47209  
Ion Ratio Lower Upper  
83 100  
85 63.8 51.0 76.4  
127 9.3 7.1 10.7

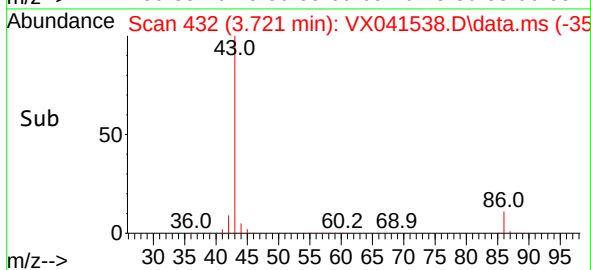
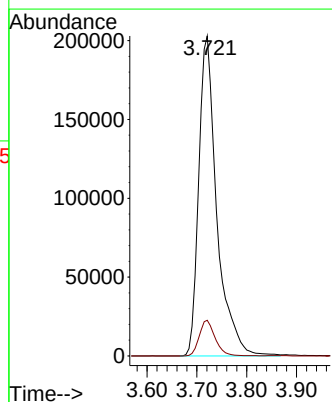
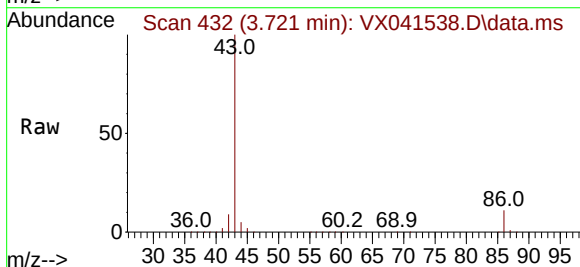
Manual Integrations  
APPROVED

Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024

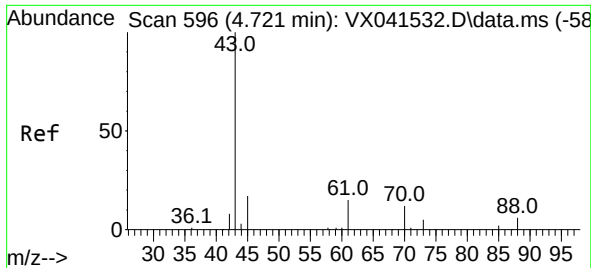


#42  
Vinyl Acetate  
Concen: 89.423 ug/l  
RT: 3.721 min Scan# 432  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

Tgt Ion: 43 Resp: 511544  
Ion Ratio Lower Upper  
43 100  
86 9.8 7.8 11.6

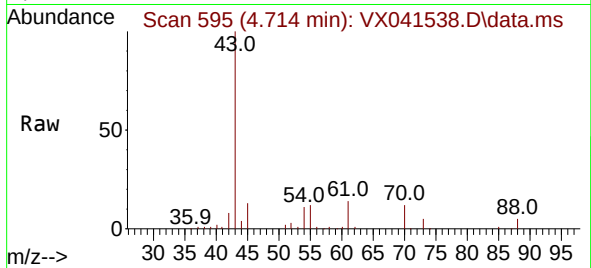






#43  
Ethyl Acetate  
Concen: 17.359 ug/l  
RT: 4.714 min Scan# 595  
Delta R.T. -0.006 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

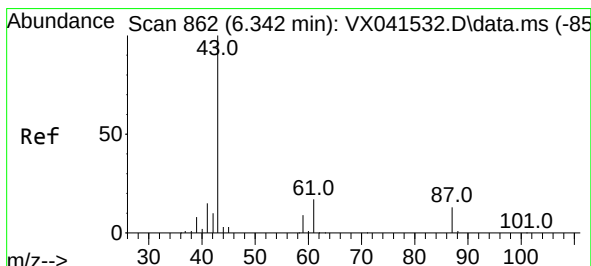
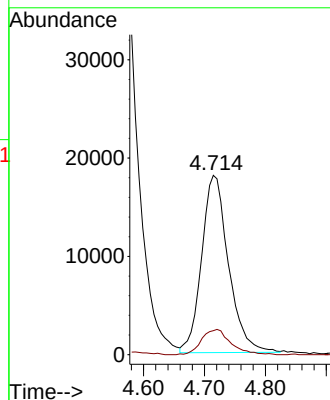
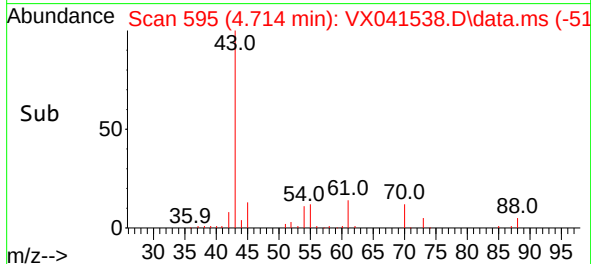
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



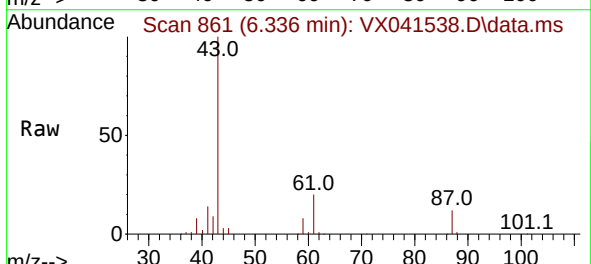
Tgt Ion: 43 Resp: 55225  
Ion Ratio Lower Upper  
43 100  
45 15.4 11.9 17.9

Manual Integrations  
APPROVED

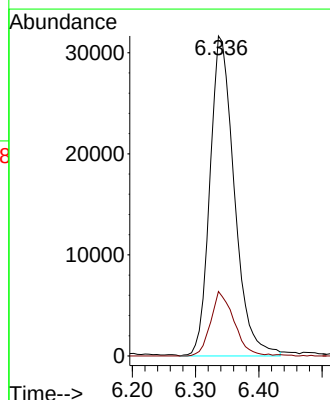
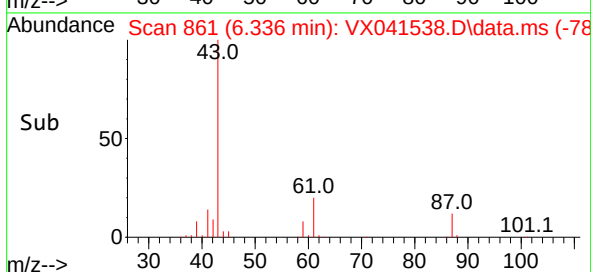
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024

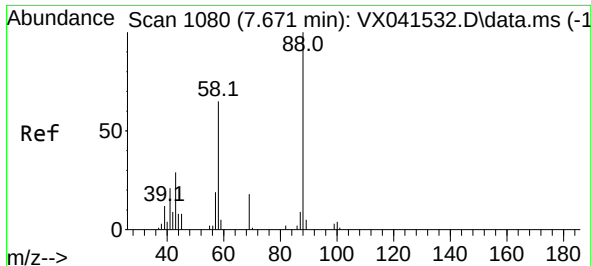


#44  
Isopropyl Acetate  
Concen: 17.657 ug/l  
RT: 6.336 min Scan# 861  
Delta R.T. -0.006 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33



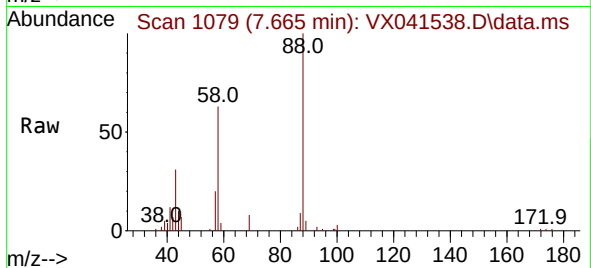
Tgt Ion: 43 Resp: 84914  
Ion Ratio Lower Upper  
43 100  
61 19.2 15.3 22.9





#45  
1,4-Dioxane  
Concen: 382.012 ug/l m  
RT: 7.665 min Scan# 1079  
Delta R.T. -0.006 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

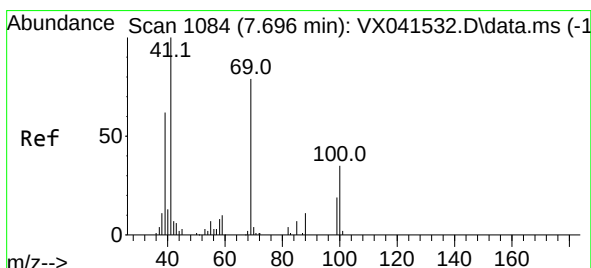
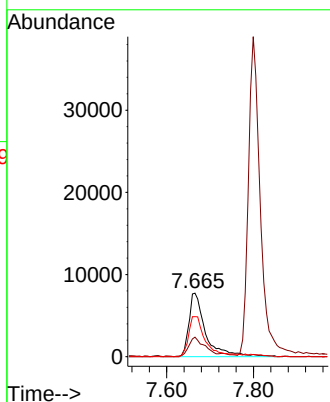
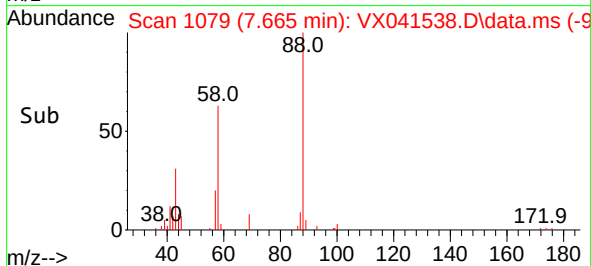
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



Tgt Ion: 88 Resp: 20718  
Ion Ratio Lower Upper  
88 100  
43 29.2 24.9 37.3  
58 61.4 47.0 70.4

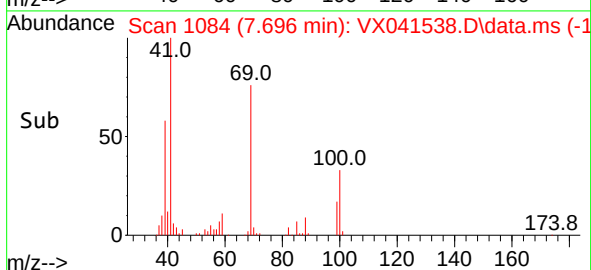
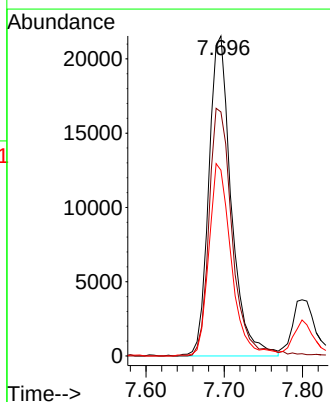
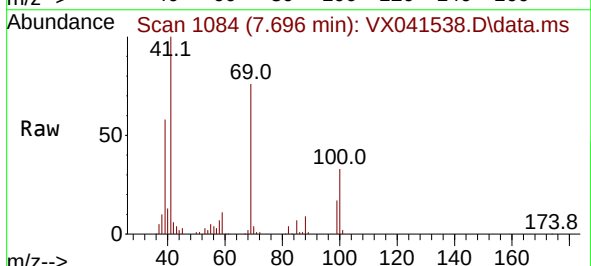
Manual Integrations  
APPROVED

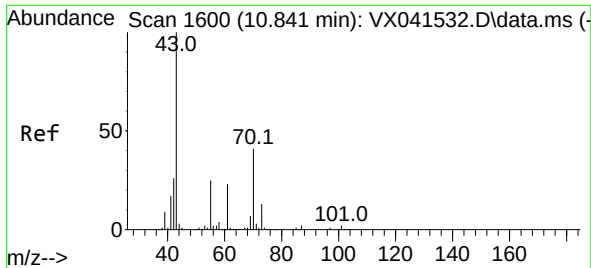
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#46  
Methyl methacrylate  
Concen: 17.969 ug/l  
RT: 7.696 min Scan# 1084  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

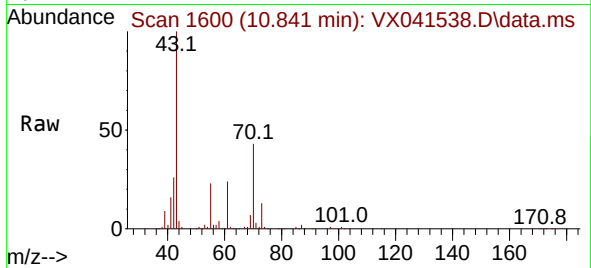
Tgt Ion: 41 Resp: 42994  
Ion Ratio Lower Upper  
41 100  
69 76.3 39.6 119.0  
39 57.8 30.9 92.8





#47  
n-amy1 Acetate  
Concen: 17.441 ug/l  
RT: 10.841 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

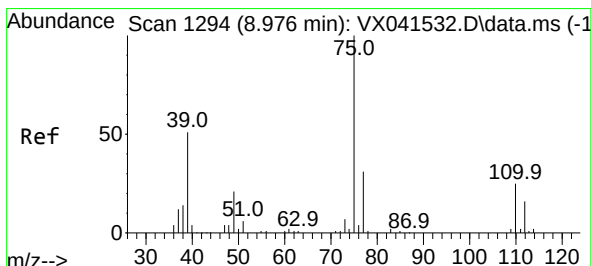
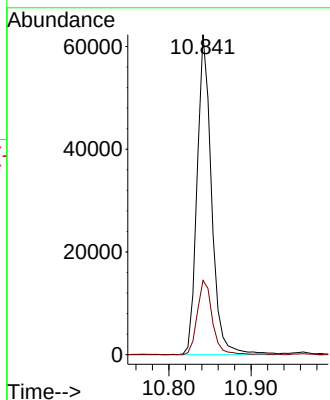
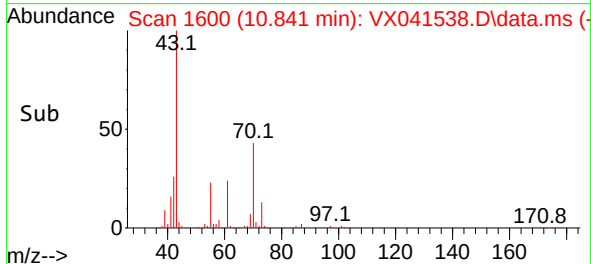
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



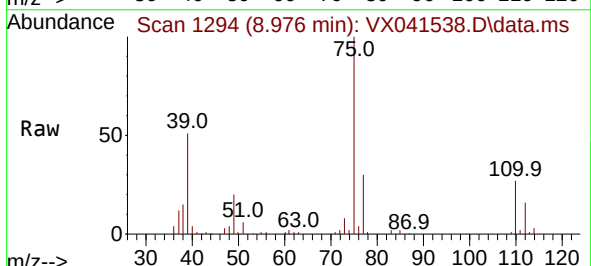
Tgt Ion: 43 Resp: 76060  
Ion Ratio Lower Upper  
43 100  
55 24.1 19.4 29.0

Manual Integrations  
APPROVED

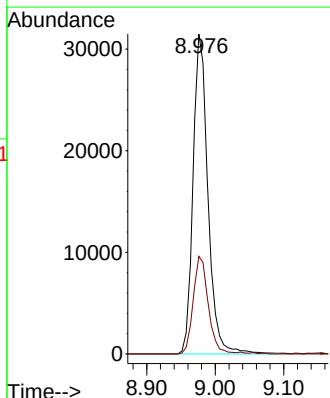
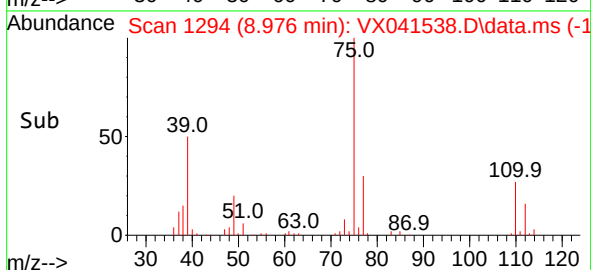
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024

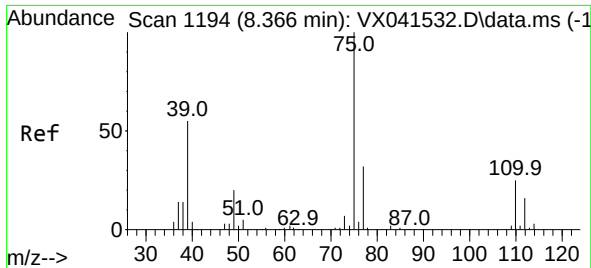


#48  
t-1,3-Dichloropropene  
Concen: 17.317 ug/l  
RT: 8.976 min Scan# 1294  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33



Tgt Ion: 75 Resp: 47651  
Ion Ratio Lower Upper  
75 100  
77 30.5 24.5 36.7





#49

cis-1,3-Dichloropropene

Concen: 17.086 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX041538.D

Acq: 15 May 2024 14:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0515WBS01

Tgt Ion: 75 Resp: 5092

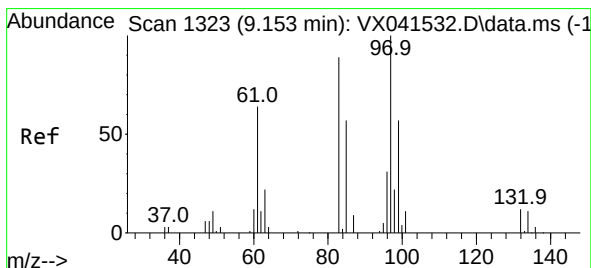
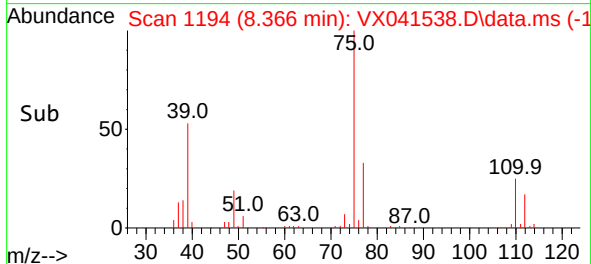
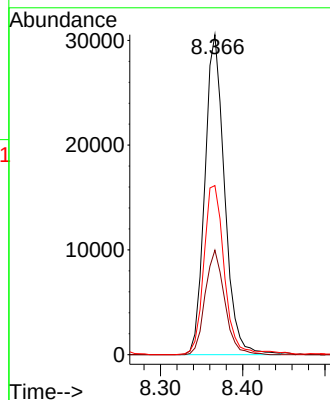
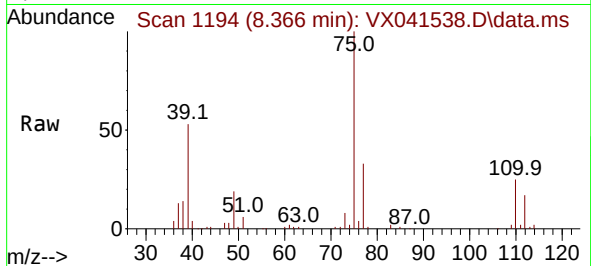
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 32.7  | 25.8  | 38.8  |
| 39  | 52.7  | 43.6  | 65.4  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2024

Supervised By :Mahesh Dadoda 05/16/2024



#50

1,1,2-Trichloroethane

Concen: 17.739 ug/l

RT: 9.153 min Scan# 1323

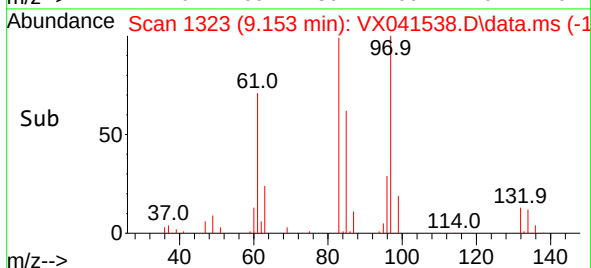
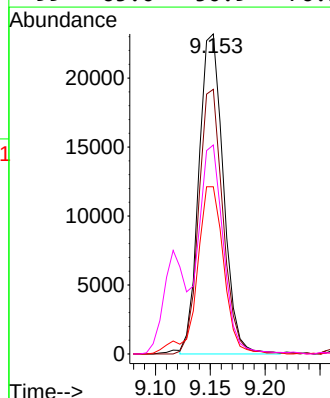
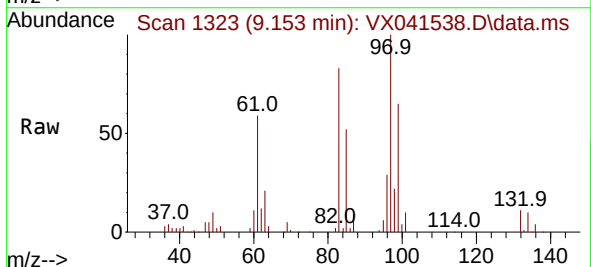
Delta R.T. 0.000 min

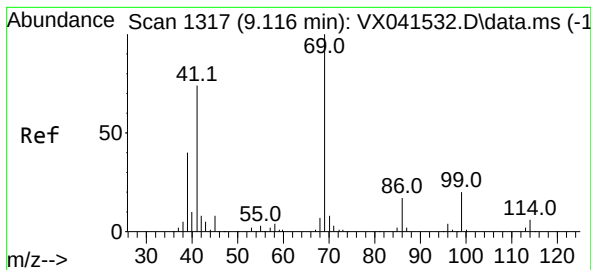
Lab File: VX041538.D

Acq: 15 May 2024 14:33

Tgt Ion: 97 Resp: 36017

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 82.7  | 71.3  | 106.9 |
| 85  | 52.0  | 45.7  | 68.5  |
| 99  | 65.0  | 50.9  | 76.3  |





#51

Ethyl methacrylate

Concen: 17.451 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX041538.D

Acq: 15 May 2024 14:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0515WBS01

Tgt Ion: 69 Resp: 5703

Ion Ratio Lower Upper

69 100

41 68.7 37.1 111.3

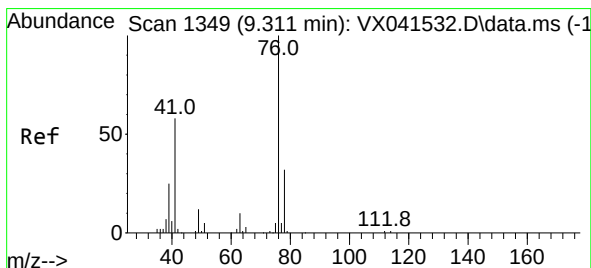
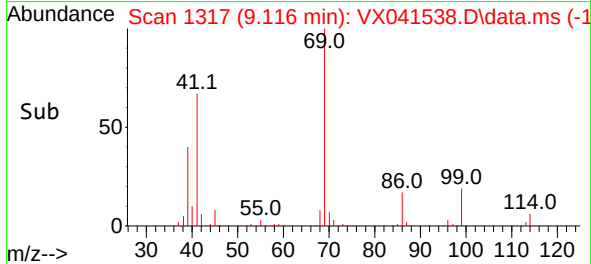
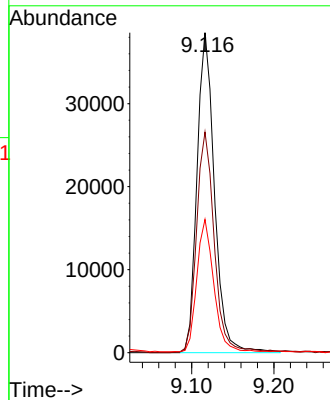
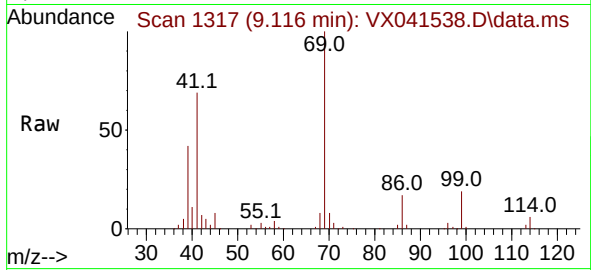
39 41.4 20.2 60.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2024

Supervised By :Mahesh Dadoda 05/16/2024



#52

1,3-Dichloropropane

Concen: 17.340 ug/l

RT: 9.305 min Scan# 1348

Delta R.T. -0.006 min

Lab File: VX041538.D

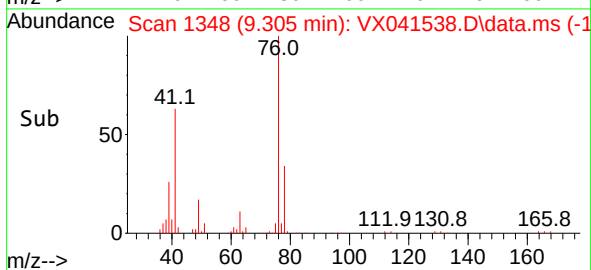
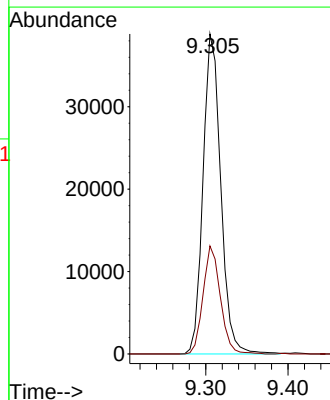
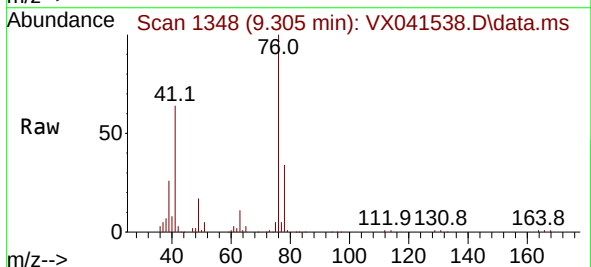
Acq: 15 May 2024 14:33

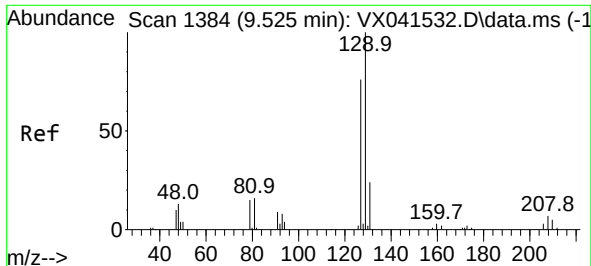
Tgt Ion: 76 Resp: 58175

Ion Ratio Lower Upper

76 100

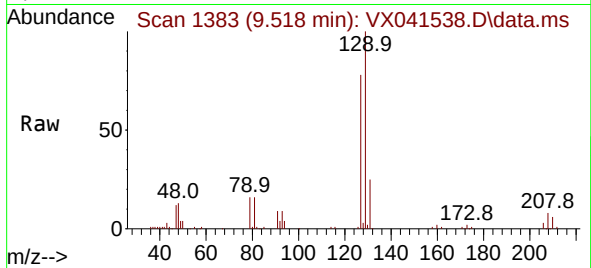
78 32.9 0.0 64.4





#53  
Dibromochloromethane  
Concen: 17.122 ug/l  
RT: 9.518 min Scan# 1383  
Delta R.T. -0.006 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

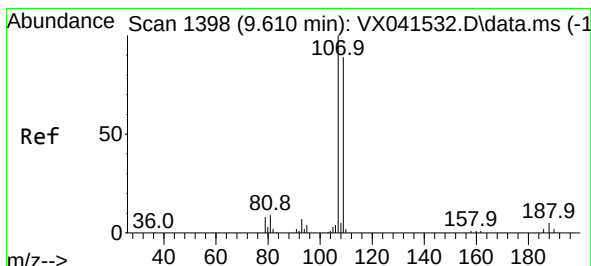
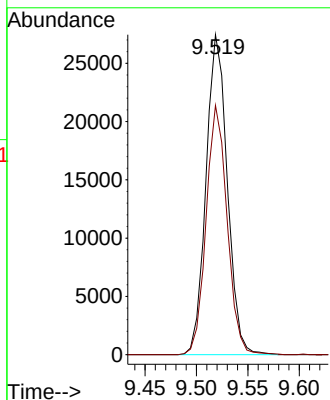
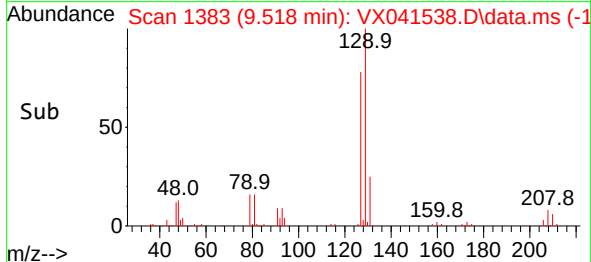
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



Tgt Ion:129 Resp: 39554  
Ion Ratio Lower Upper  
129 100  
127 76.8 38.9 116.7

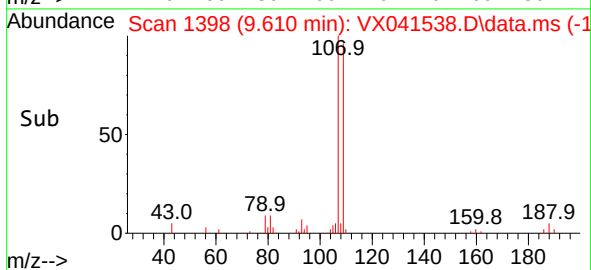
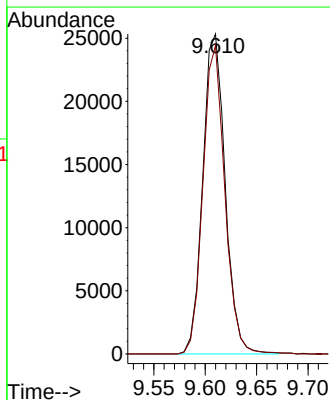
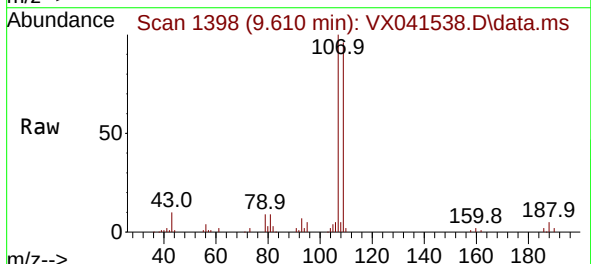
Manual Integrations  
APPROVED

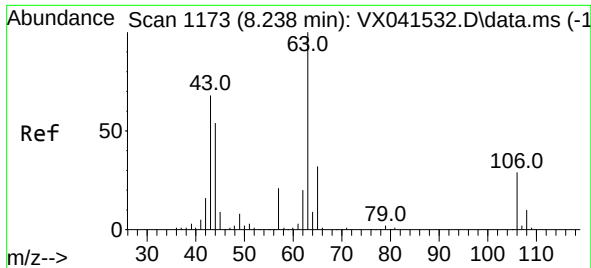
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#54  
1,2-Dibromoethane  
Concen: 17.872 ug/l  
RT: 9.610 min Scan# 1398  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

Tgt Ion:107 Resp: 38478  
Ion Ratio Lower Upper  
107 100  
109 94.1 75.3 112.9





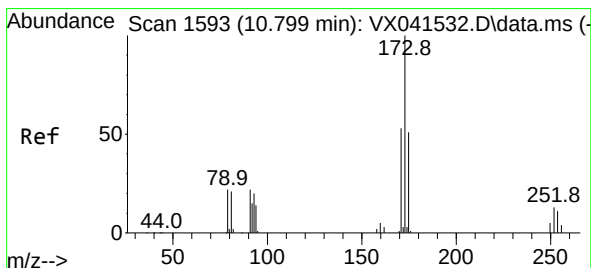
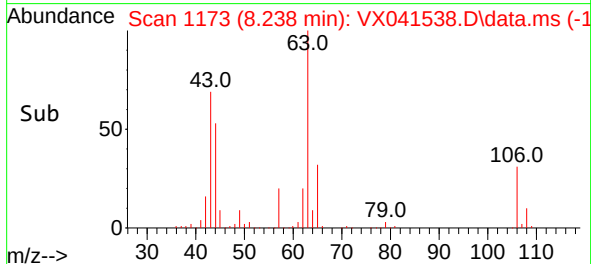
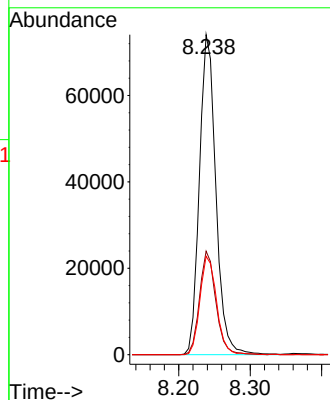
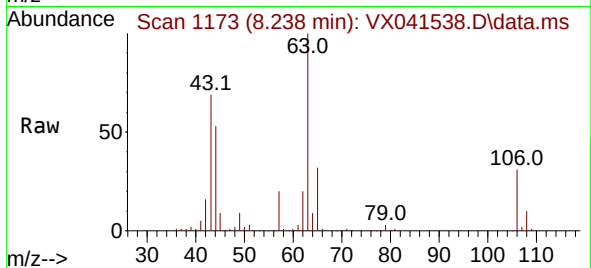
#55  
2-Chloroethyl vinyl ether  
Concen: 74.210 ug/l  
RT: 8.238 min Scan# 1173  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01

Tgt Ion: 63 Resp: 118370  
Ion Ratio Lower Upper  
63 100  
65 32.1 25.5 38.3  
106 31.2 24.7 37.1

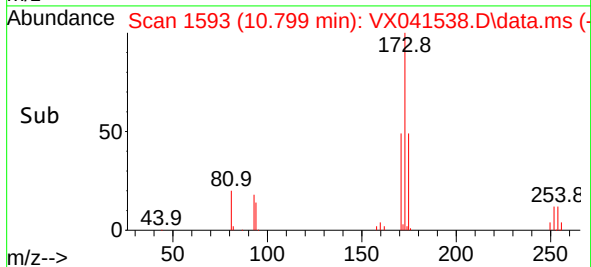
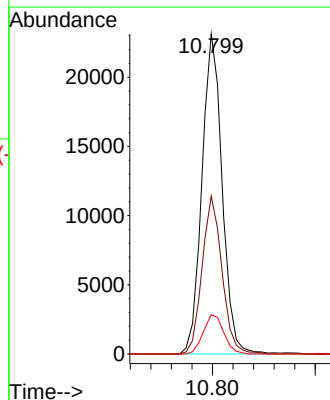
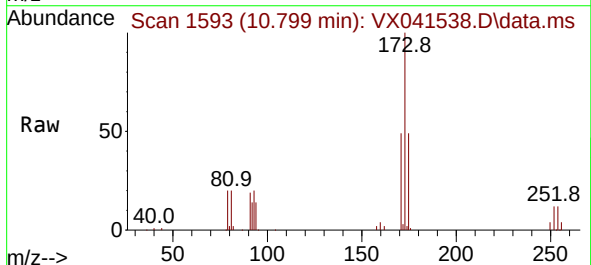
Manual Integrations  
APPROVED

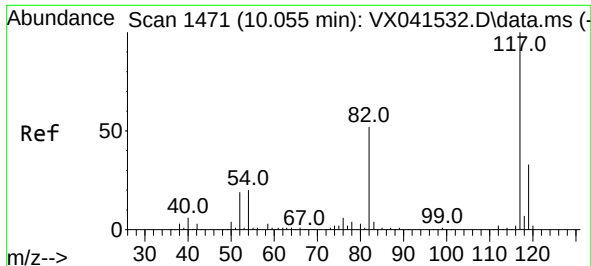
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#56  
Bromoform  
Concen: 17.063 ug/l  
RT: 10.799 min Scan# 1593  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

Tgt Ion:173 Resp: 31581  
Ion Ratio Lower Upper  
173 100  
175 48.5 39.0 58.6  
254 12.4 10.3 15.5





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX041538.D

Acq: 15 May 2024 14:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0515WBS01

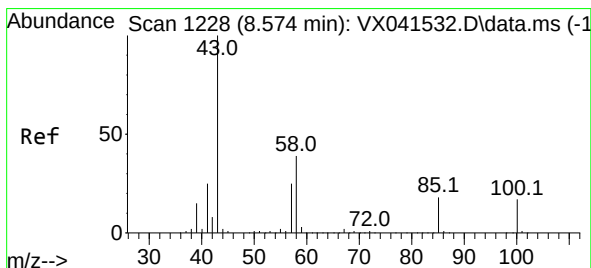
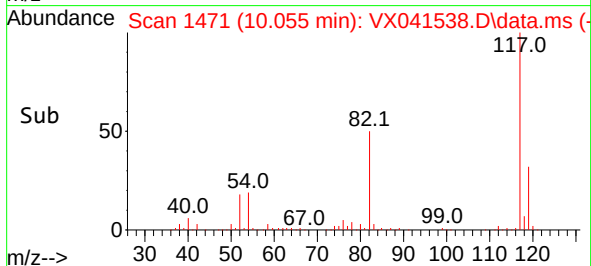
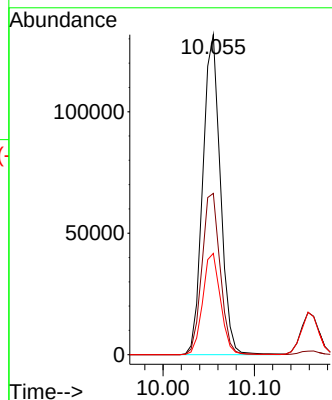
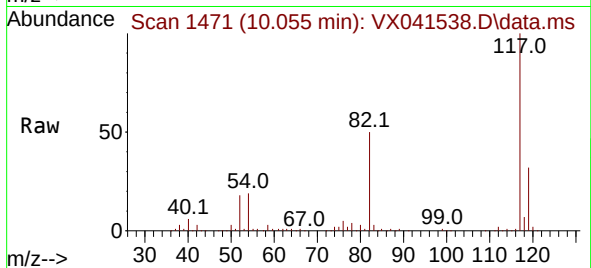
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 17611 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 82        | 52.1  | 41.7  | 62.5  |
| 119       | 32.1  | 25.7  | 38.5  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2024

Supervised By :Mahesh Dadoda 05/16/2024



#58

4-Methyl-2-Pentanone

Concen: 90.668 ug/l

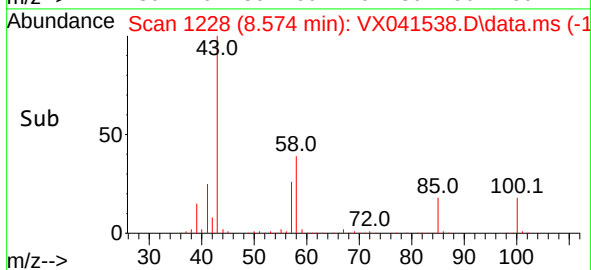
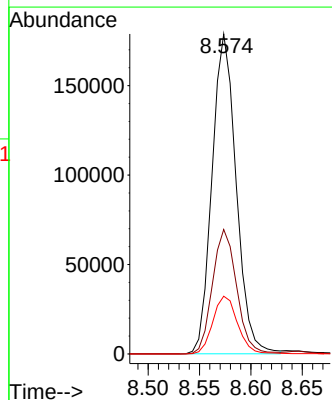
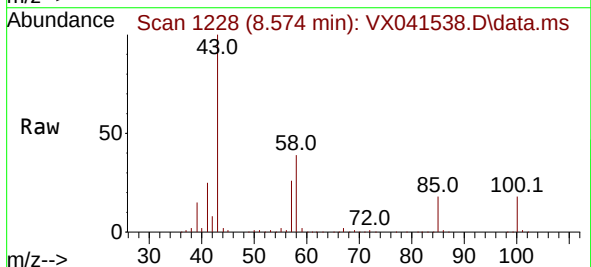
RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

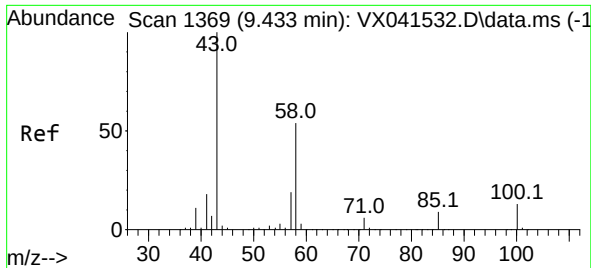
Lab File: VX041538.D

Acq: 15 May 2024 14:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 291763 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 39.1  | 30.2  | 45.4   |
| 85        | 18.6  | 14.6  | 21.8   |

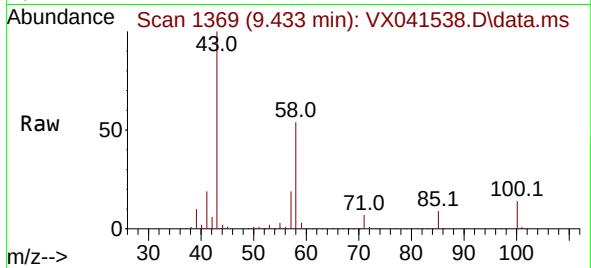






#59  
2-Hexanone  
Concen: 92.030 ug/l  
RT: 9.433 min Scan# 1369  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

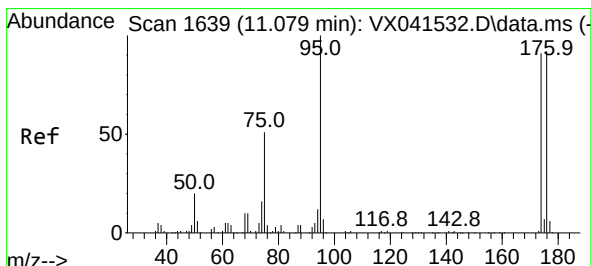
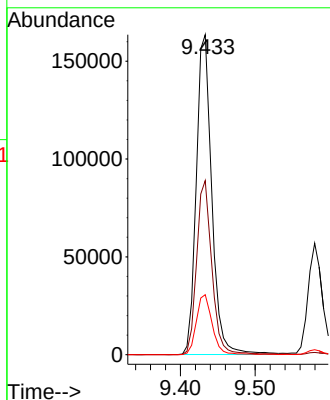
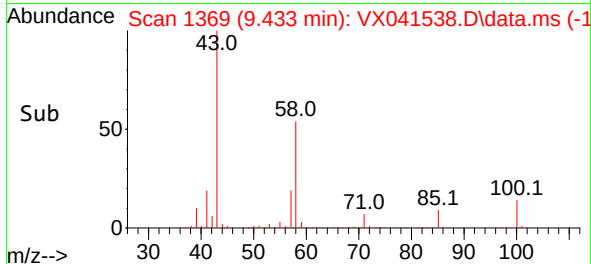
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



Tgt Ion: 43 Resp: 235923  
Ion Ratio Lower Upper  
43 100  
58 53.1 42.3 63.5  
57 19.1 15.1 22.7

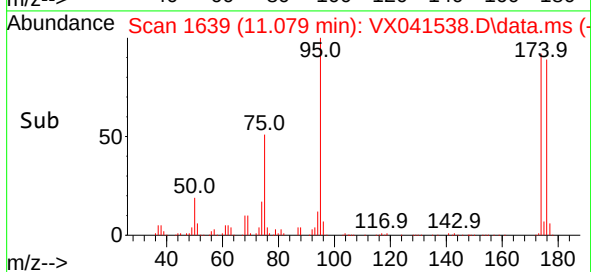
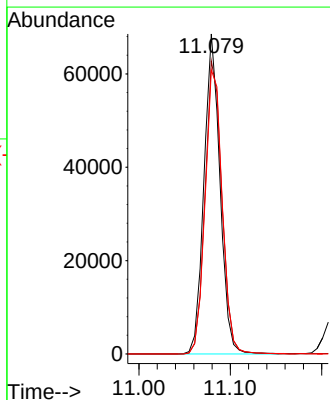
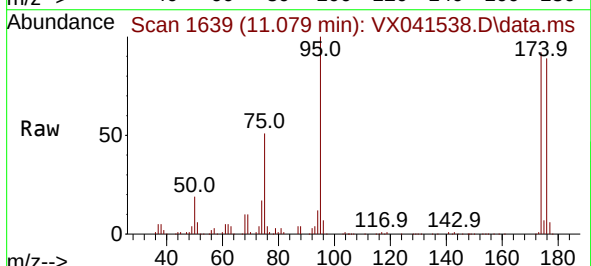
Manual Integrations  
APPROVED

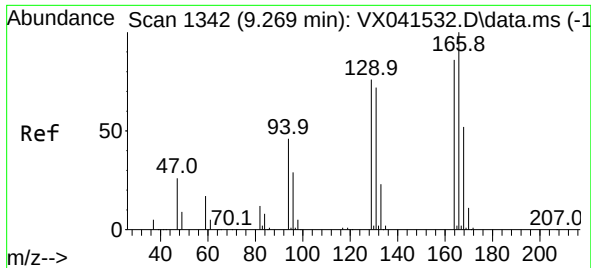
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#60  
4-Bromofluorobenzene  
Concen: 30.192 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

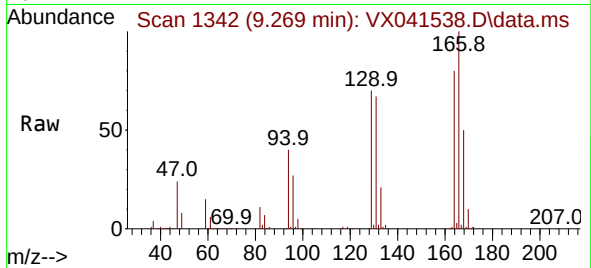
Tgt Ion: 95 Resp: 83006  
Ion Ratio Lower Upper  
95 100  
174 96.1 76.6 115.0  
176 95.2 75.4 113.0





#61  
Tetrachloroethene  
Concen: 17.983 ug/l  
RT: 9.269 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

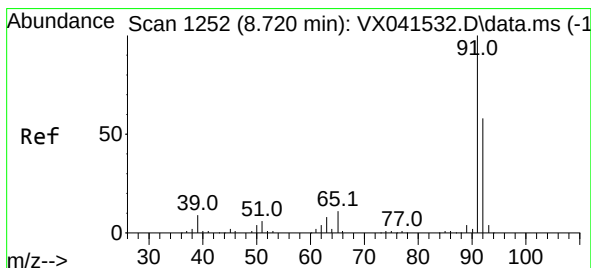
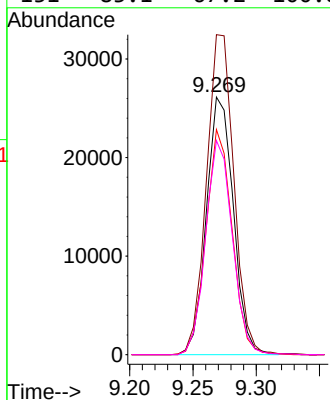
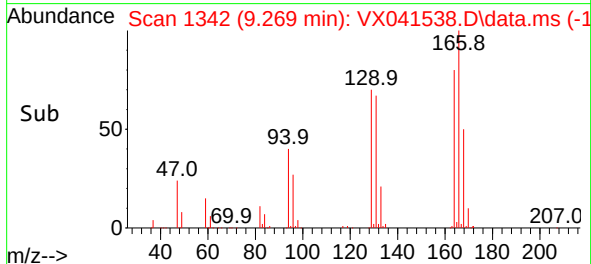
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



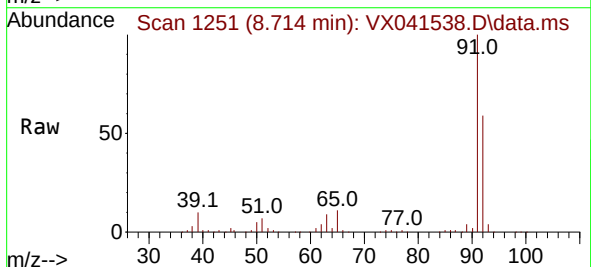
Tgt Ion:164 Resp: 38749  
Ion Ratio Lower Upper  
164 100  
166 124.0 92.8 139.2  
129 87.2 70.1 105.1  
131 83.1 67.2 100.8

Manual Integrations  
APPROVED

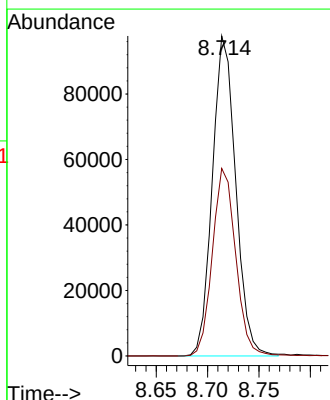
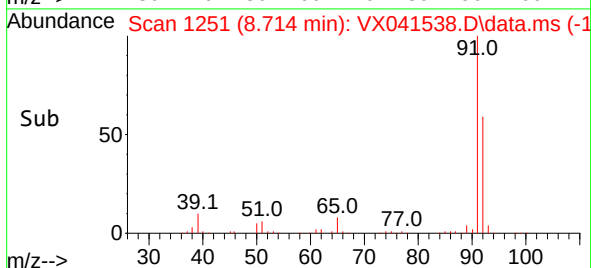
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024

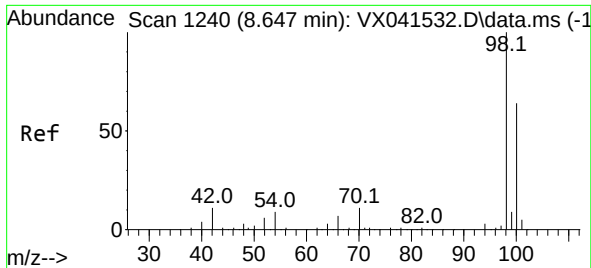


#62  
Toluene  
Concen: 17.620 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.006 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33



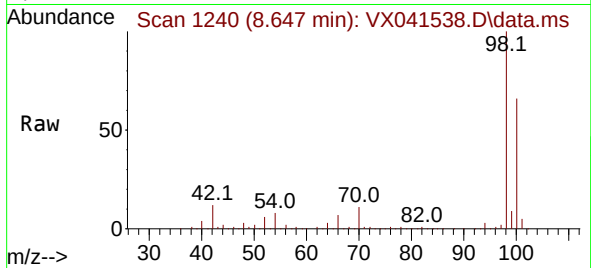
Tgt Ion: 91 Resp: 154409  
Ion Ratio Lower Upper  
91 100  
92 58.7 47.0 70.6





#63  
Toluene-d8  
Concen: 29.382 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

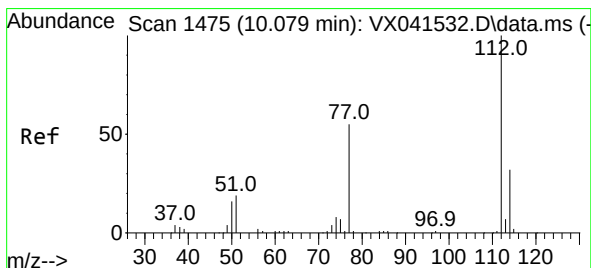
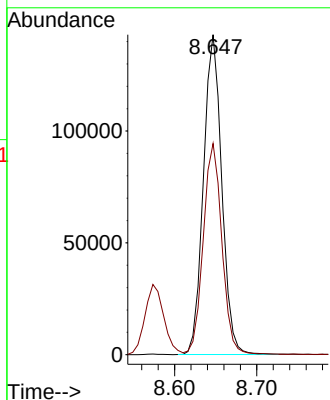
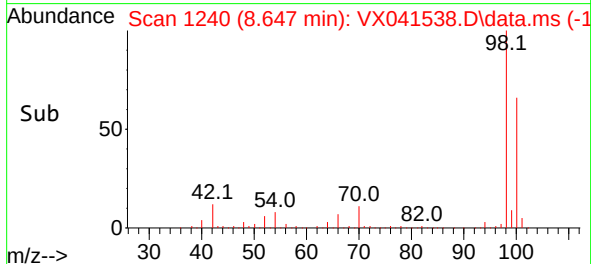
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



Tgt Ion: 98 Resp: 221819  
Ion Ratio Lower Upper  
98 100  
100 67.0 53.1 79.7

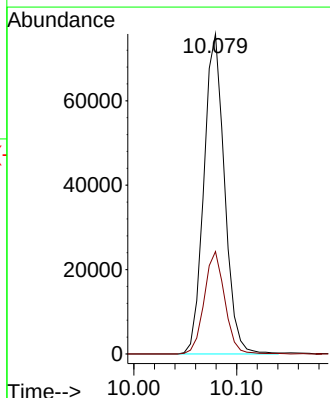
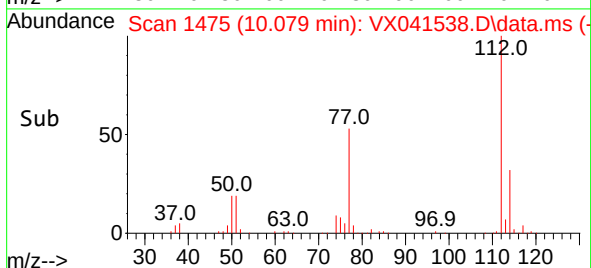
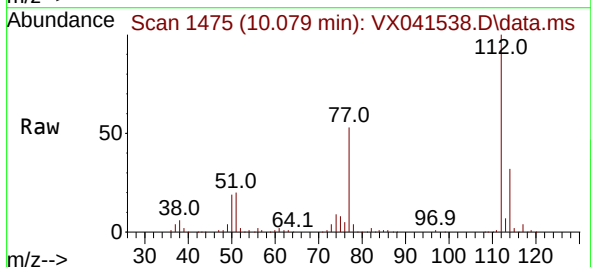
Manual Integrations  
APPROVED

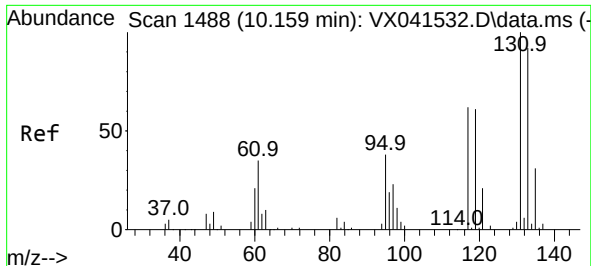
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#64  
Chlorobenzene  
Concen: 17.801 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

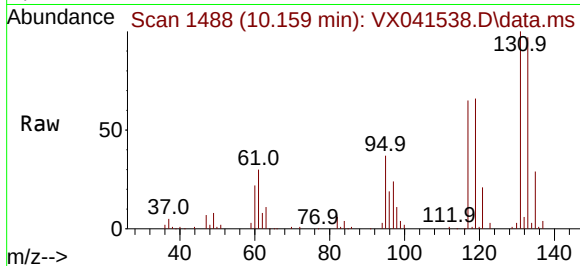
Tgt Ion:112 Resp: 105960  
Ion Ratio Lower Upper  
112 100  
114 32.0 26.0 39.0





#65  
1,1,1,2-Tetrachloroethane  
Concen: 17.285 ug/l  
RT: 10.159 min Scan# 1488  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

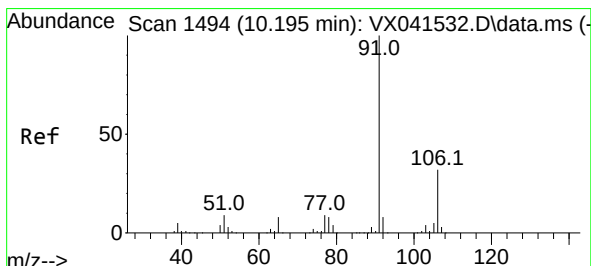
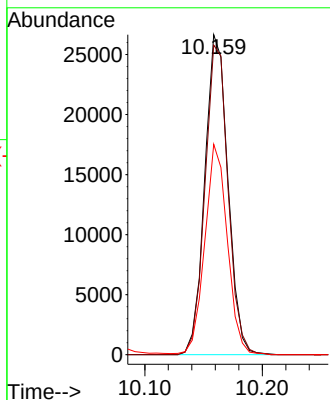
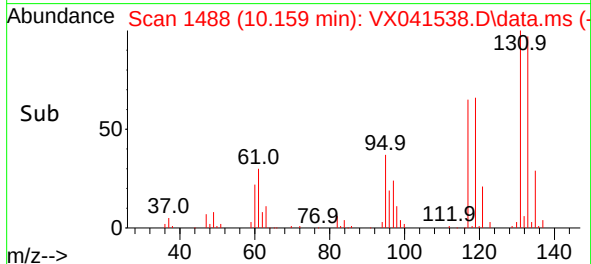
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



Tgt Ion:131 Resp: 3641  
Ion Ratio Lower Upper  
131 100  
133 96.6 0.0 191.6  
119 64.2 0.0 126.4

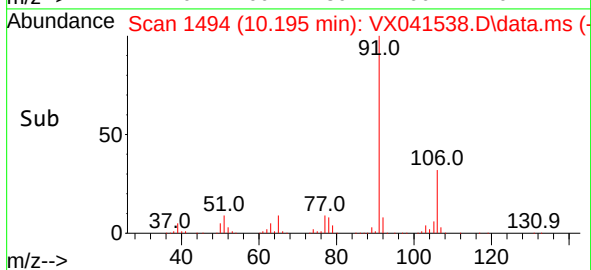
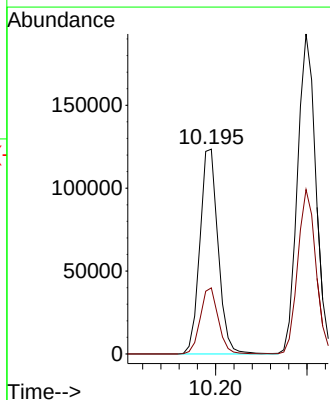
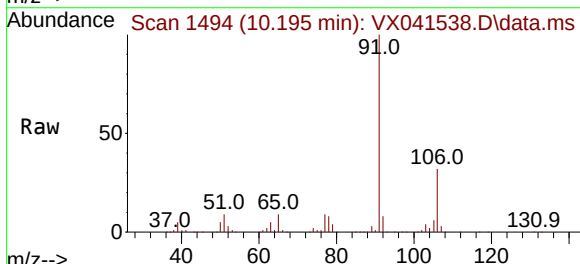
Manual Integrations  
APPROVED

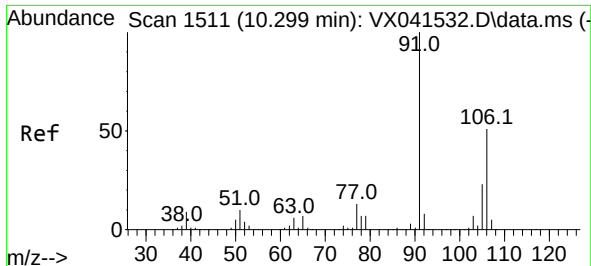
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#66  
Ethyl Benzene  
Concen: 17.528 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

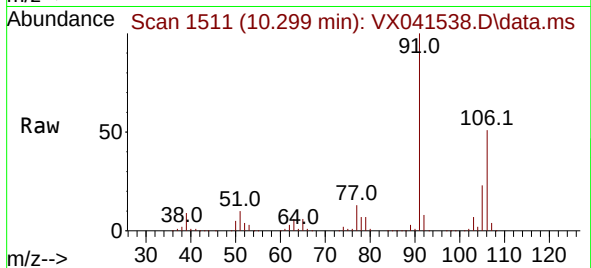
Tgt Ion: 91 Resp: 170563  
Ion Ratio Lower Upper  
91 100  
106 32.3 25.9 38.9





#67  
m/p-Xylenes  
Concen: 36.053 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

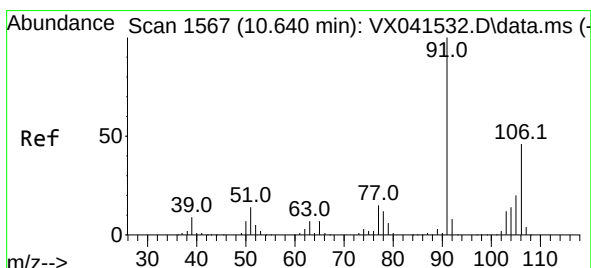
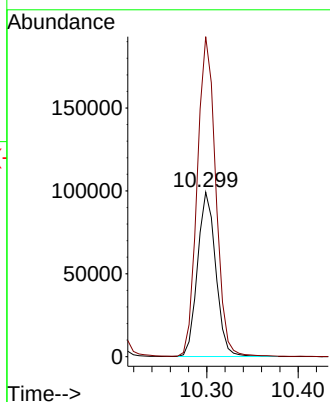
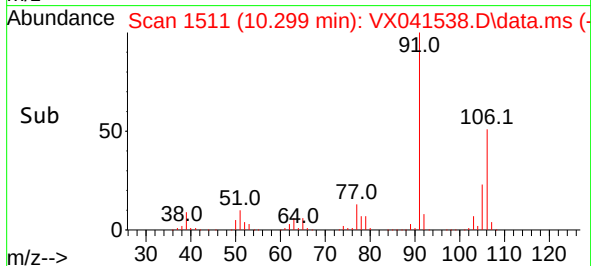
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



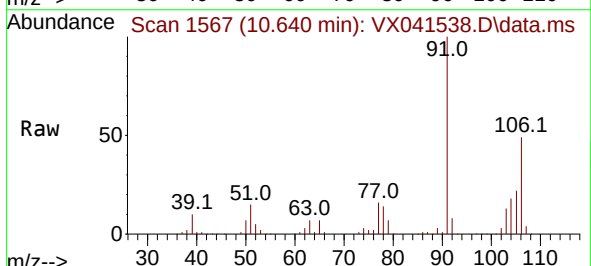
Tgt Ion:106 Resp: 13718  
Ion Ratio Lower Upper  
106 100  
91 197.9 156.5 234.7

Manual Integrations  
APPROVED

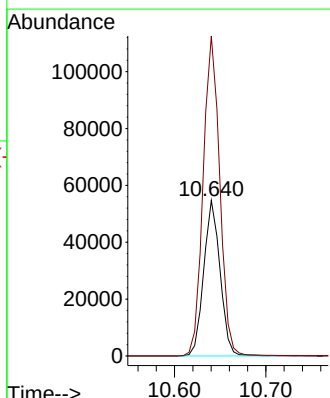
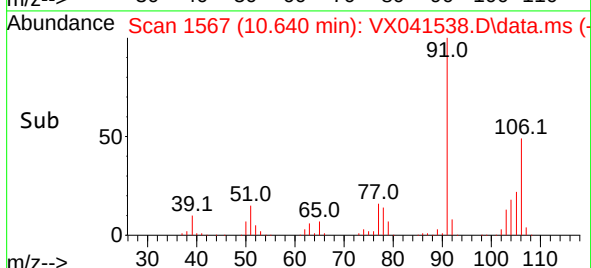
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024

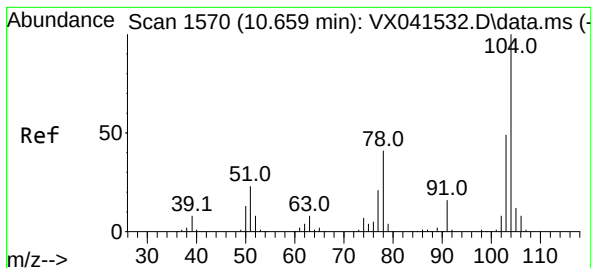


#68  
o-Xylene  
Concen: 17.698 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33



Tgt Ion:106 Resp: 67790  
Ion Ratio Lower Upper  
106 100  
91 209.5 105.2 315.6





#69

Styrene

Concen: 17.495 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.006 min

Lab File: VX041538.D

Acq: 15 May 2024 14:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0515WBS01

Tgt Ion:104 Resp: 112358

Ion Ratio Lower Upper

104 100

78 49.1 39.3 58.9

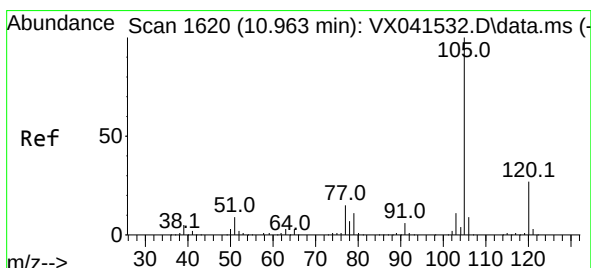
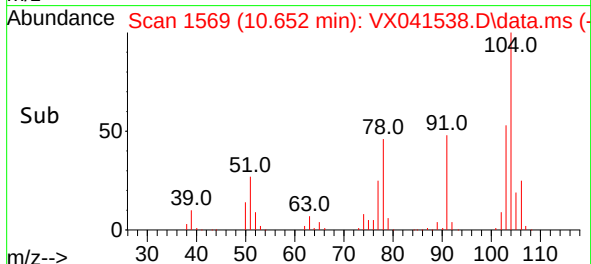
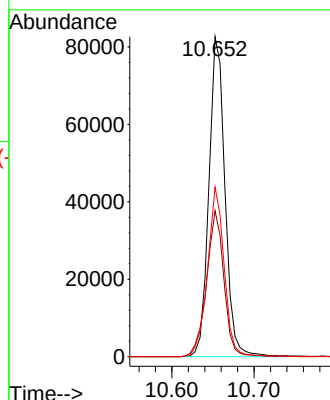
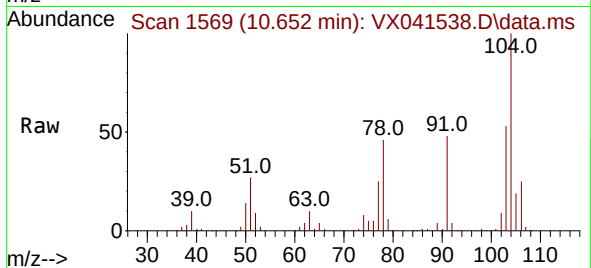
103 55.0 43.2 64.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2024

Supervised By :Mahesh Dadoda 05/16/2024



#70

Isopropylbenzene

Concen: 18.213 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX041538.D

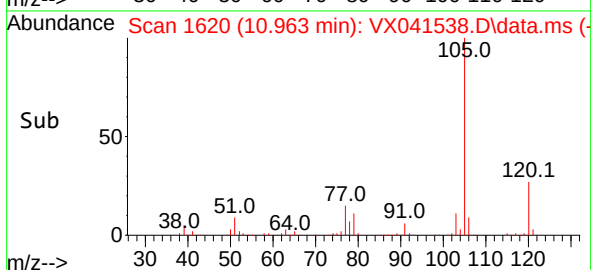
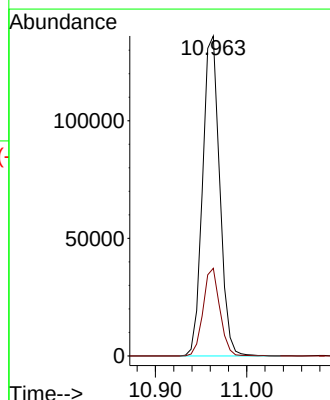
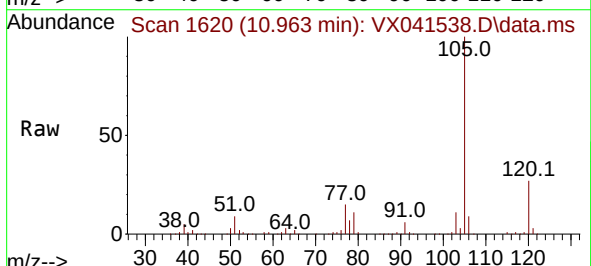
Acq: 15 May 2024 14:33

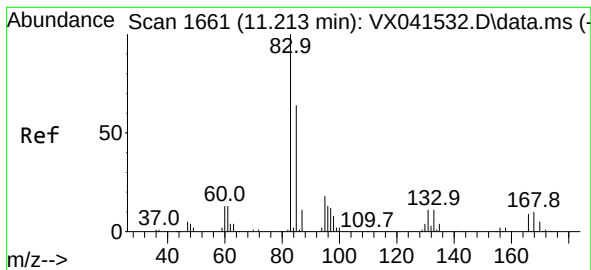
Tgt Ion:105 Resp: 176278

Ion Ratio Lower Upper

105 100

120 26.9 18.8 34.8





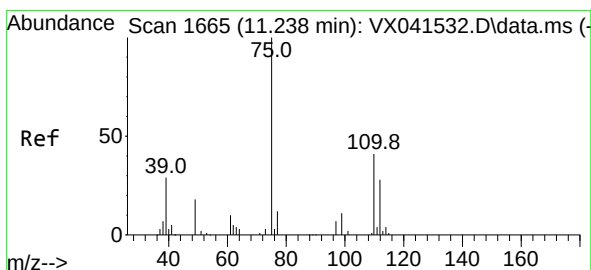
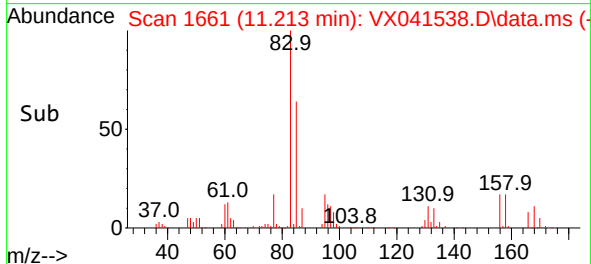
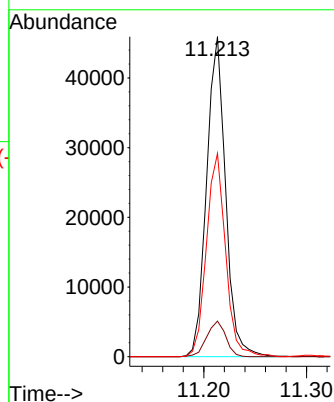
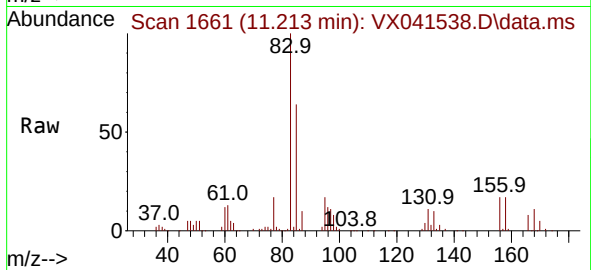
#71  
1,1,2,2-Tetrachloroethane  
Concen: 17.755 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01

Tgt Ion: 83 Resp: 5903  
Ion Ratio Lower Upper  
83 100  
131 11.1 5.7 17.0  
85 64.2 32.3 96.8

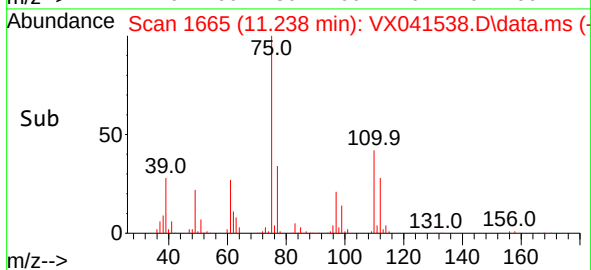
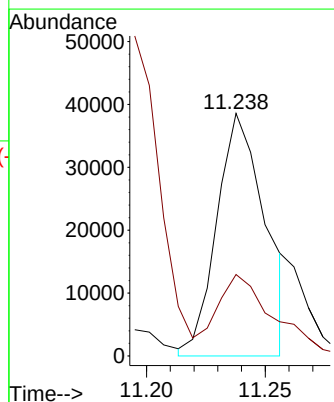
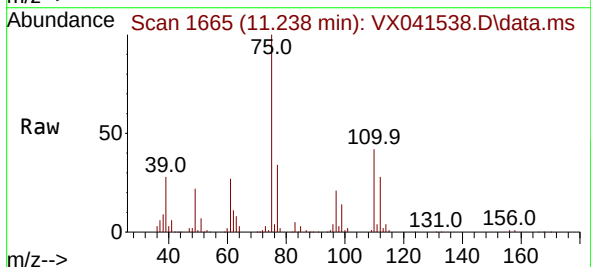
Manual Integrations  
APPROVED

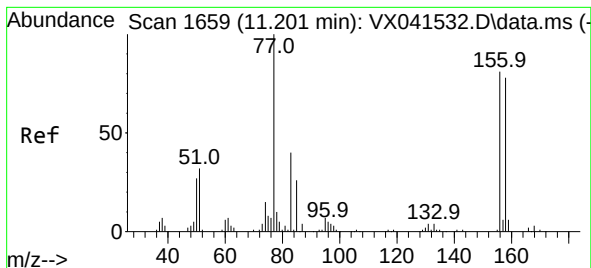
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#72  
1,2,3-Trichloropropane  
Concen: 18.191 ug/l m  
RT: 11.238 min Scan# 1665  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

Tgt Ion: 75 Resp: 54546  
Ion Ratio Lower Upper  
75 100  
77 39.8 0.0 78.8





#73

Bromobenzene

Concen: 17.319 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.006 min

Lab File: VX041538.D

Acq: 15 May 2024 14:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0515WBS01

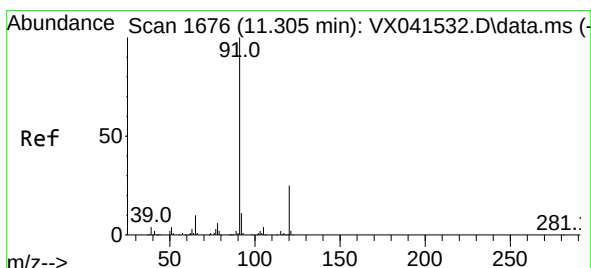
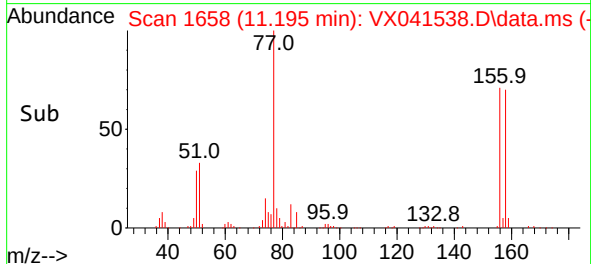
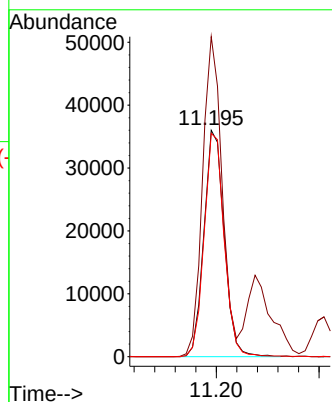
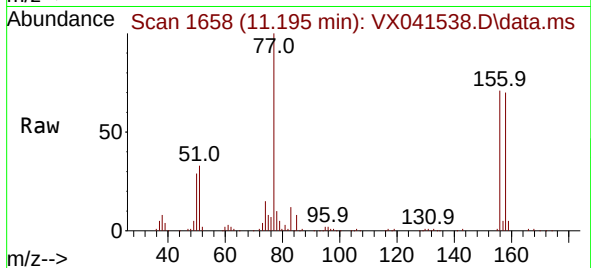
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 49254 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 135.6 | 0.0   | 267.4 |
| 158       | 98.2  | 0.0   | 192.8 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2024

Supervised By :Mahesh Dadoda 05/16/2024



#74

n-propylbenzene

Concen: 18.024 ug/l

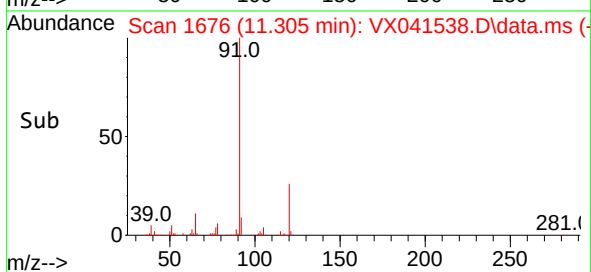
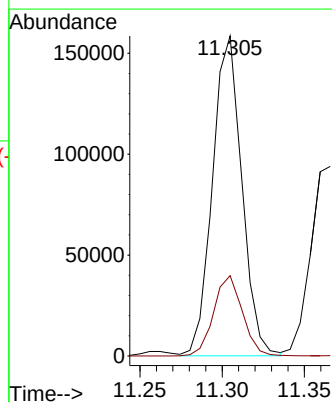
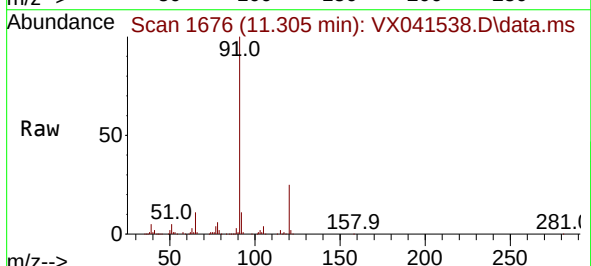
RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

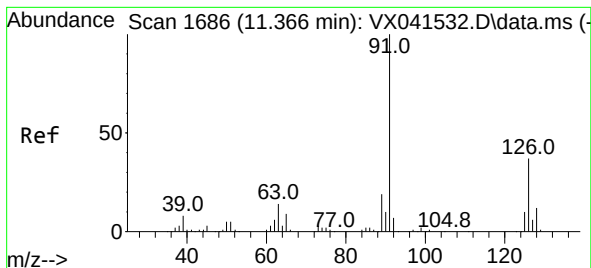
Lab File: VX041538.D

Acq: 15 May 2024 14:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 196708 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 24.6  | 0.0   | 48.4   |







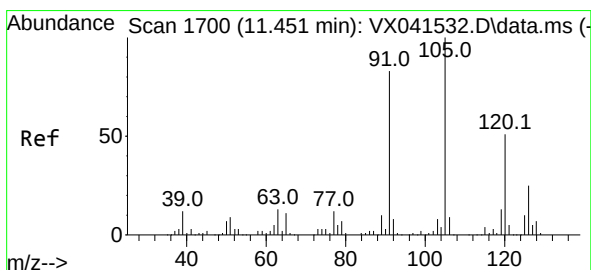
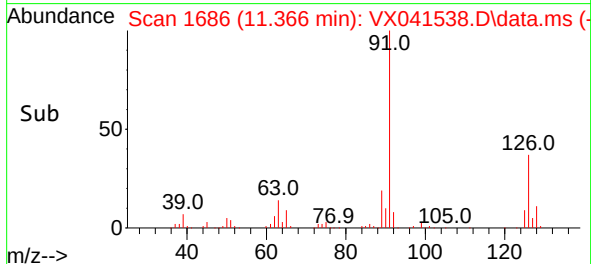
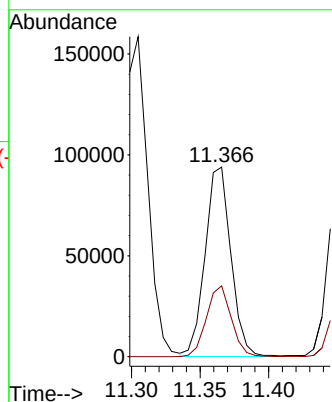
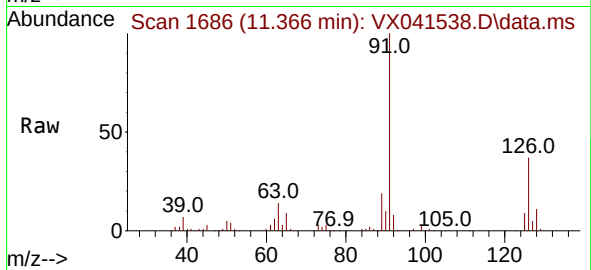
#75  
2-Chlorotoluene  
Concen: 17.947 ug/l  
RT: 11.366 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01

Tgt Ion: 91 Resp: 123000  
Ion Ratio Lower Upper  
91 100  
126 36.0 0.0 71.6

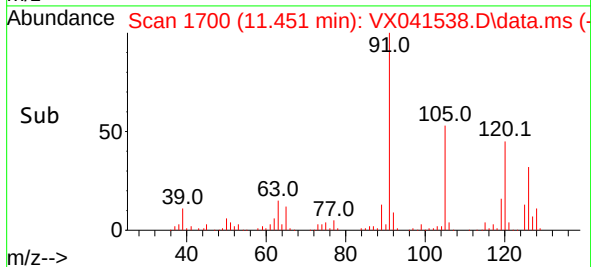
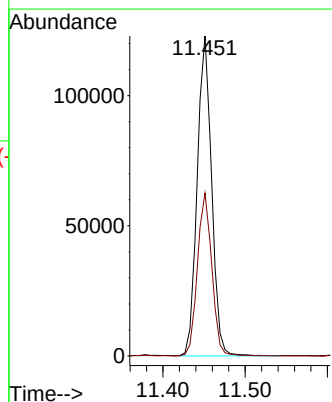
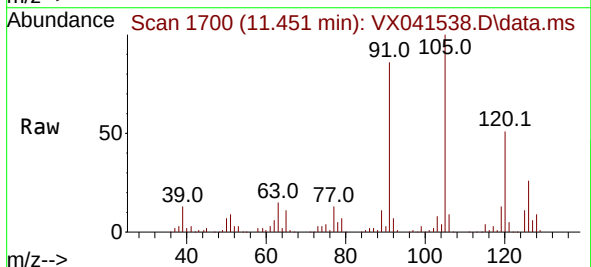
Manual Integrations  
APPROVED

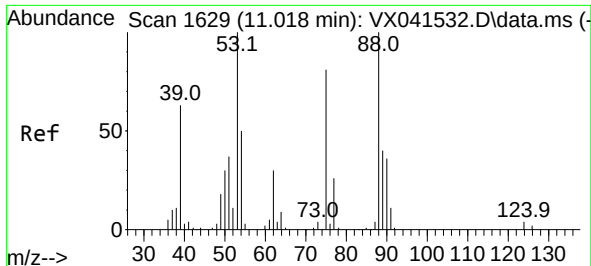
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#76  
1,3,5-Trimethylbenzene  
Concen: 18.118 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

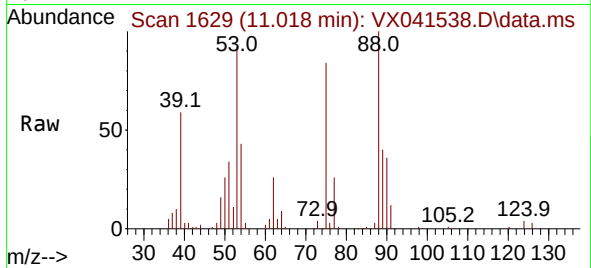
Tgt Ion:105 Resp: 149678  
Ion Ratio Lower Upper  
105 100  
120 50.9 0.0 102.6





#77  
t-1,4-Dichloro-2-butene  
Concen: 17.160 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

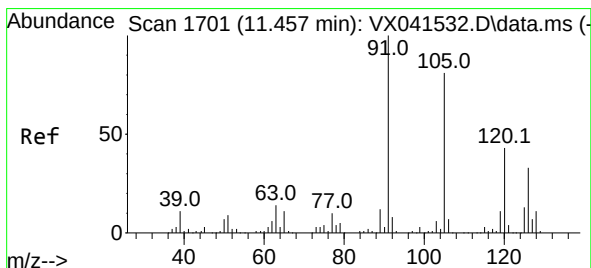
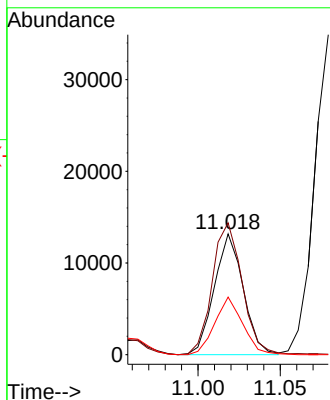
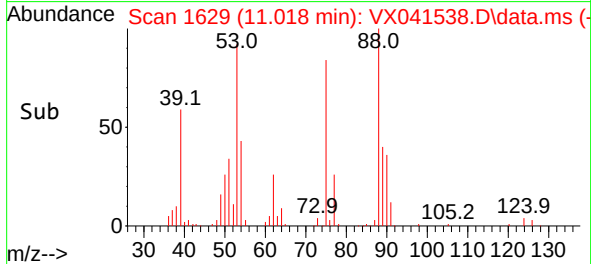
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



Tgt Ion: 75 Resp: 1617  
Ion Ratio Lower Upper  
75 100  
53 109.1 61.8 185.3  
89 47.7 24.9 74.7

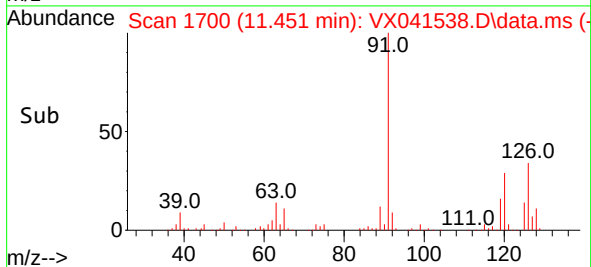
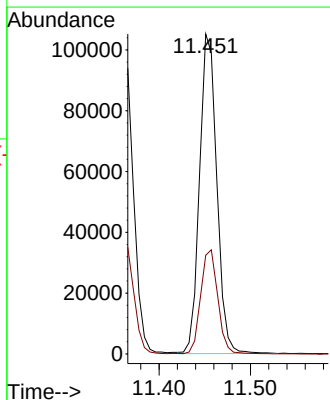
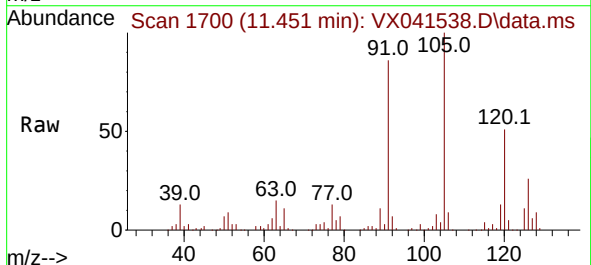
Manual Integrations  
APPROVED

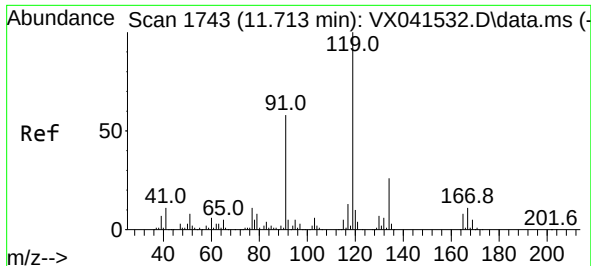
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#78  
4-Chlorotoluene  
Concen: 17.632 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.006 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

Tgt Ion: 91 Resp: 137632  
Ion Ratio Lower Upper  
91 100  
126 32.1 0.0 62.2





#79

tert-butylbenzene

Concen: 18.035 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX041538.D

Acq: 15 May 2024 14:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0515WBS01

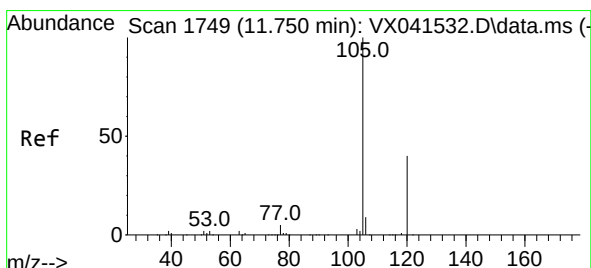
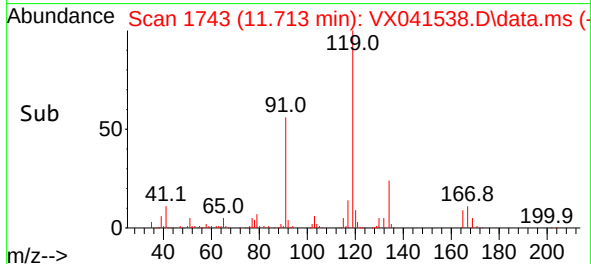
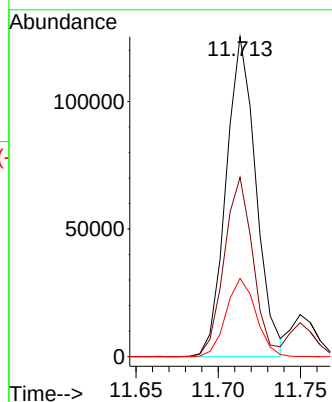
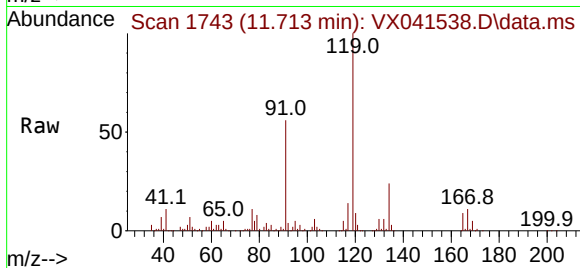
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 119   | Resp: | 158574 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 54.5  | 0.0   | 110.0  |
| 134       | 24.5  | 0.0   | 50.0   |

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2024

Supervised By :Mahesh Dadoda 05/16/2024



#80

1,2,4-Trimethylbenzene

Concen: 17.979 ug/l

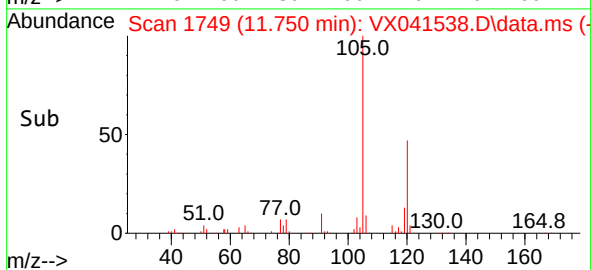
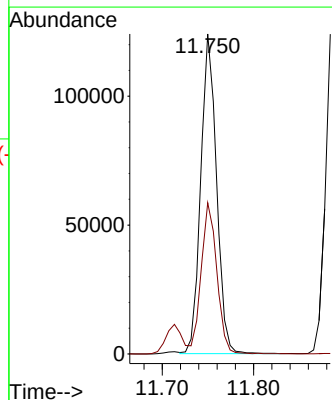
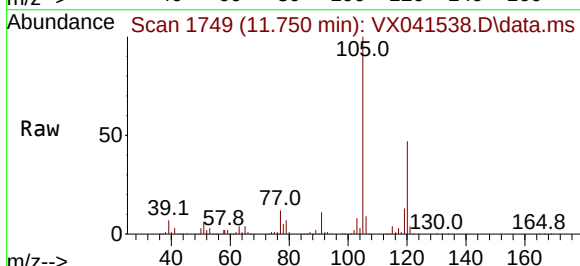
RT: 11.750 min Scan# 1749

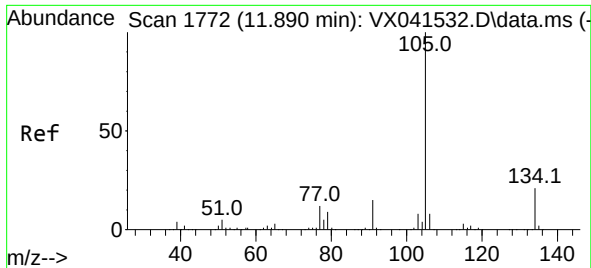
Delta R.T. 0.000 min

Lab File: VX041538.D

Acq: 15 May 2024 14:33

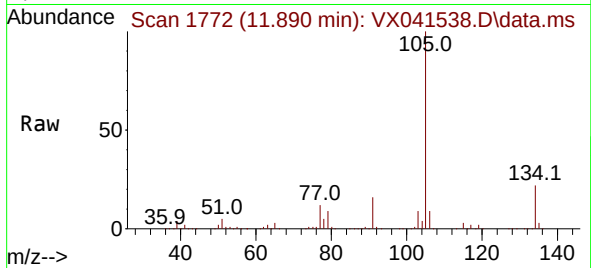
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 148874 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 46.4  | 0.0   | 92.2   |





#81  
 sec-Butylbenzene  
 Concen: 18.188 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. 0.000 min  
 Lab File: VX041538.D  
 Acq: 15 May 2024 14:33

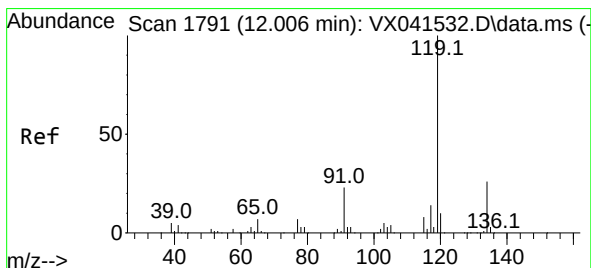
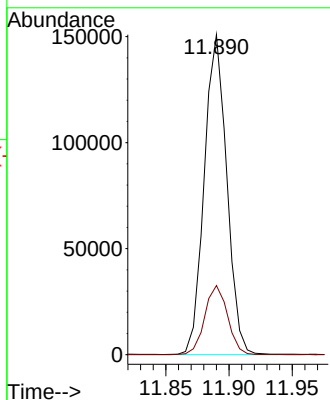
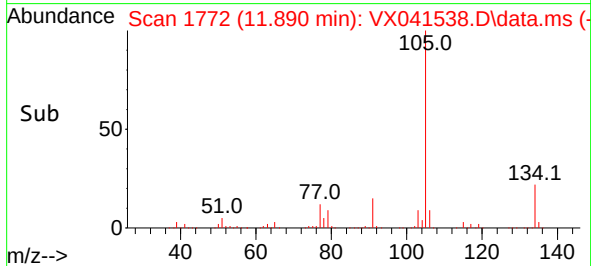
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0515WBS01



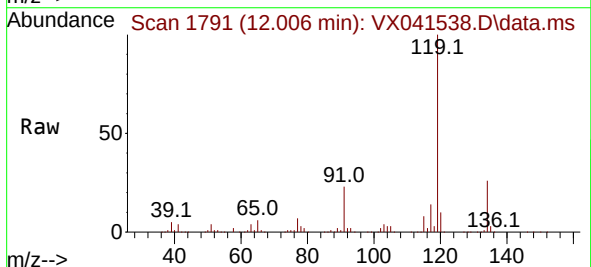
Tgt Ion:105 Resp: 186874  
 Ion Ratio Lower Upper  
 105 100  
 134 21.9 0.0 43.4

Manual Integrations  
 APPROVED

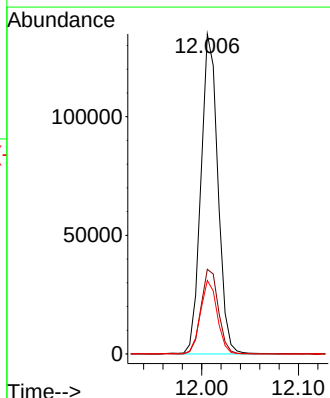
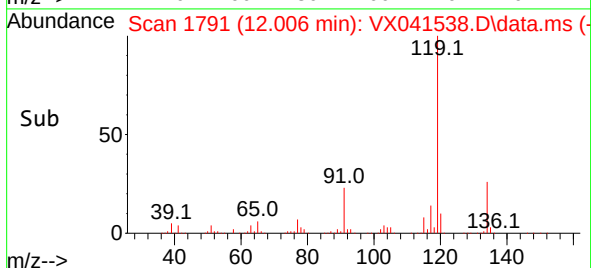
Reviewed By :John Carlone 05/16/2024  
 Supervised By :Mahesh Dadoda 05/16/2024

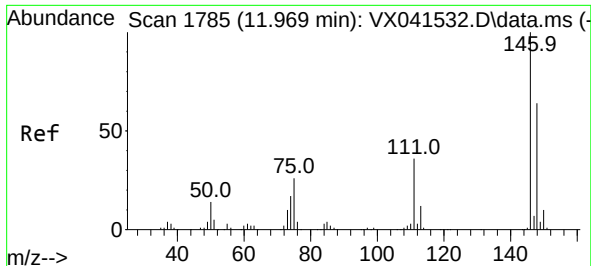


#82  
 p-Isopropyltoluene  
 Concen: 18.301 ug/l  
 RT: 12.006 min Scan# 1791  
 Delta R.T. 0.000 min  
 Lab File: VX041538.D  
 Acq: 15 May 2024 14:33



Tgt Ion:119 Resp: 164596  
 Ion Ratio Lower Upper  
 119 100  
 134 27.0 0.0 53.4  
 91 22.7 0.0 44.8





#83

1,3-Dichlorobenzene

Concen: 17.833 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX041538.D

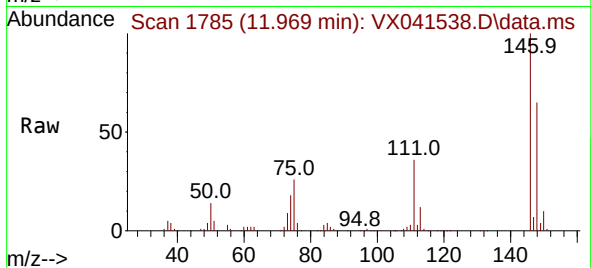
Acq: 15 May 2024 14:33

Instrument :

MSVOA\_X

ClientSampleId :

VX0515WBS01



Tgt Ion:146 Resp: 90954

Ion Ratio Lower Upper

146 100

111 37.0 18.4 55.2

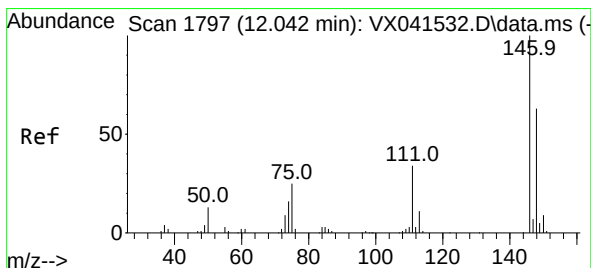
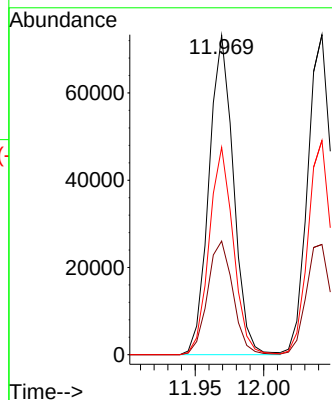
148 63.9 32.3 96.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/16/2024

Supervised By :Mahesh Dadoda 05/16/2024



#84

1,4-Dichlorobenzene

Concen: 17.683 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX041538.D

Acq: 15 May 2024 14:33

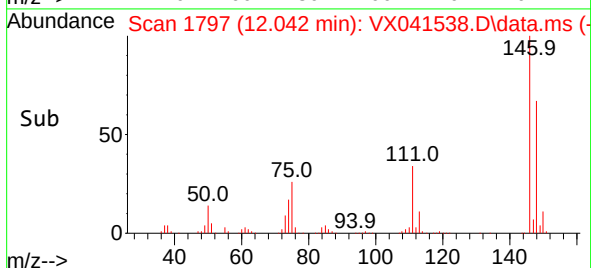
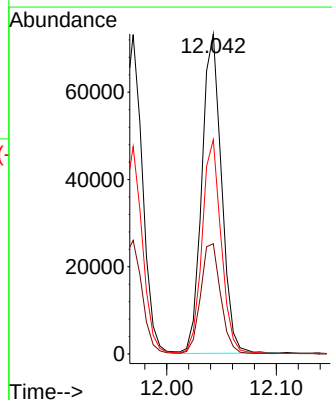
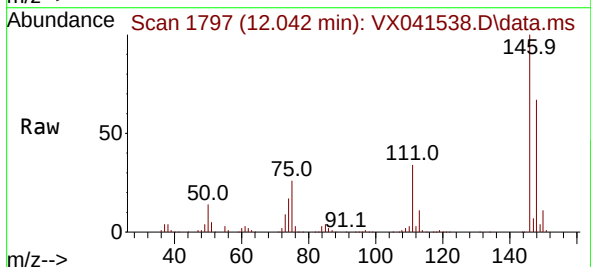
Tgt Ion:146 Resp: 91130

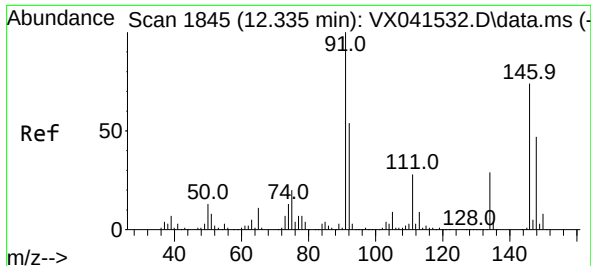
Ion Ratio Lower Upper

146 100

111 35.6 17.8 53.5

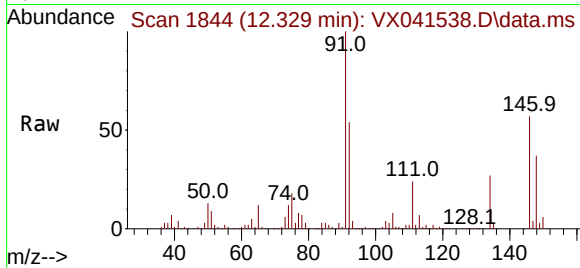
148 65.7 31.9 95.5





#85  
n-Butylbenzene  
Concen: 17.853 ug/l  
RT: 12.329 min Scan# 1844  
Delta R.T. -0.006 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

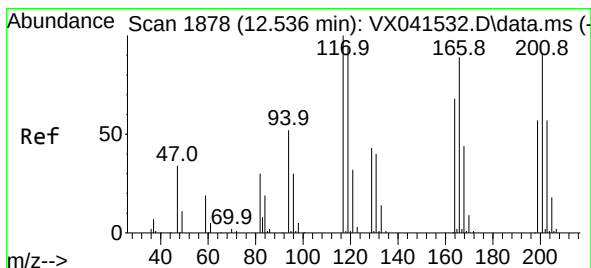
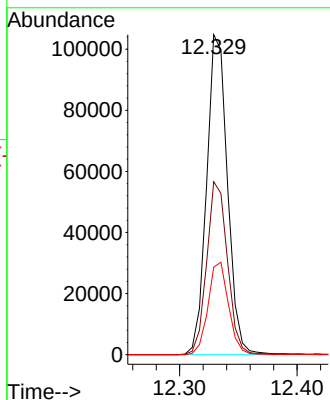
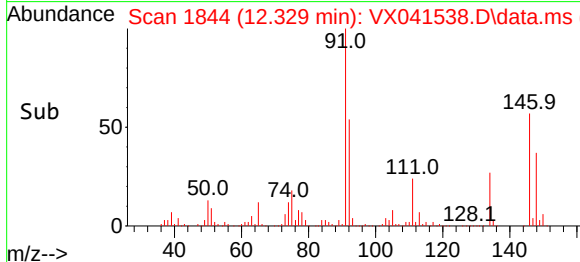
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



Tgt Ion: 91 Resp: 12920  
Ion Ratio Lower Upper  
91 100  
92 54.0 0.0 108.4  
134 28.5 0.0 56.6

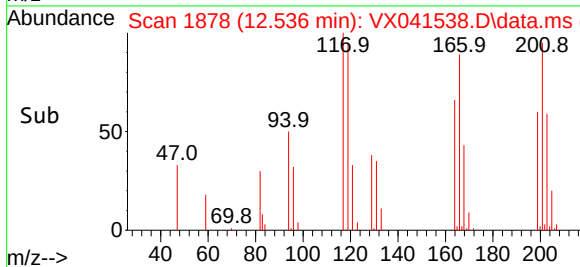
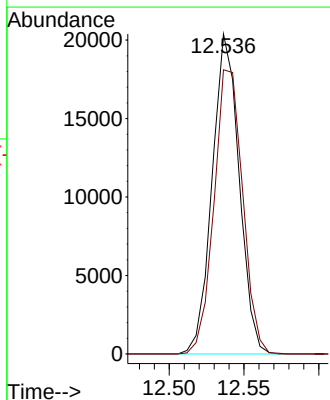
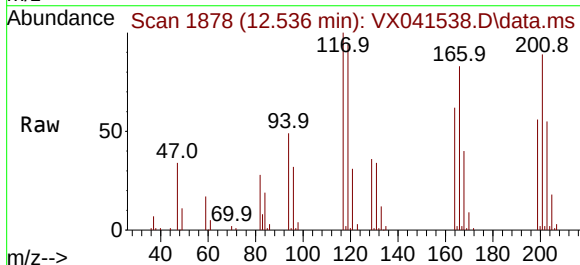
Manual Integrations  
APPROVED

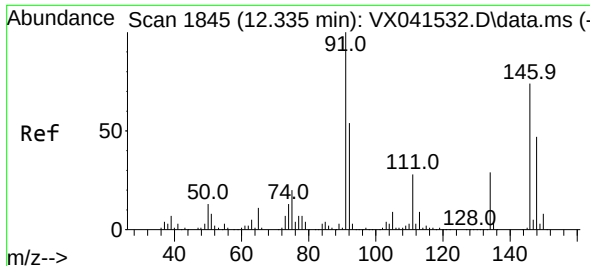
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#86  
Hexachloroethane  
Concen: 16.875 ug/l  
RT: 12.536 min Scan# 1878  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

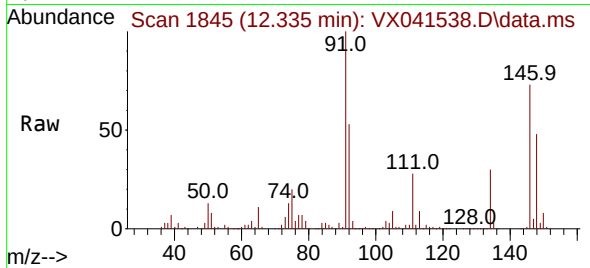
Tgt Ion:117 Resp: 25553  
Ion Ratio Lower Upper  
117 100  
201 94.5 47.3 141.8





#87  
1,2-Dichlorobenzene  
Concen: 17.434 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

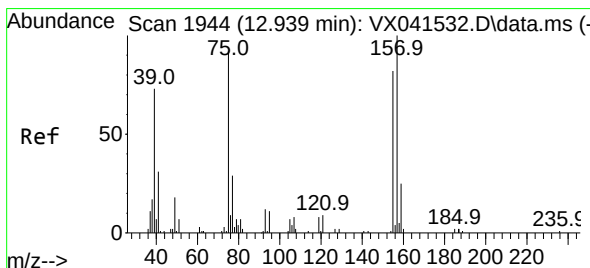
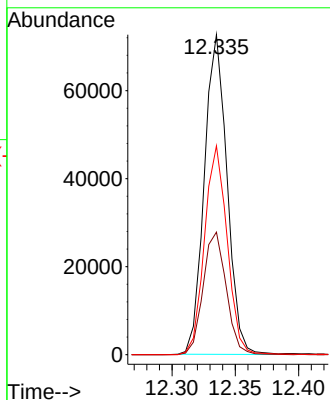
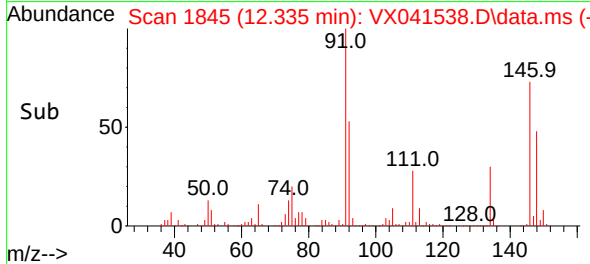
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



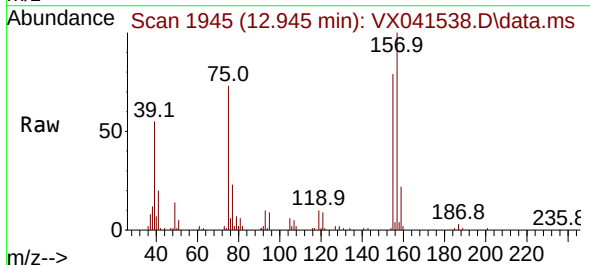
Tgt Ion:146 Resp: 90758  
Ion Ratio Lower Upper  
146 100  
111 39.1 19.3 57.9  
148 65.4 31.8 95.4

Manual Integrations  
APPROVED

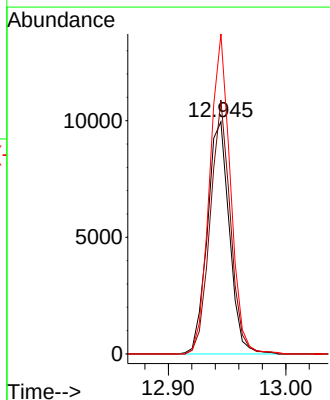
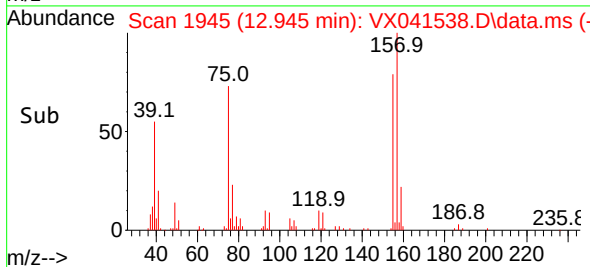
Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024

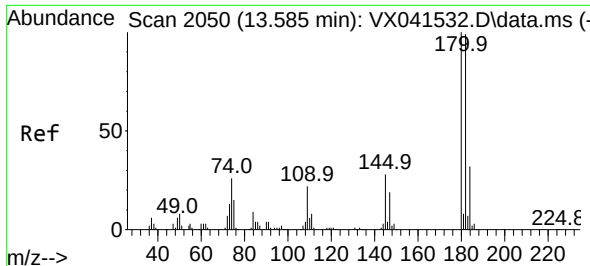


#88  
1,2-Dibromo-3-Chloropropane  
Concen: 17.773 ug/l  
RT: 12.945 min Scan# 1945  
Delta R.T. 0.006 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33



Tgt Ion: 75 Resp: 12978  
Ion Ratio Lower Upper  
75 100  
155 99.2 80.4 120.6  
157 128.9 102.2 153.2





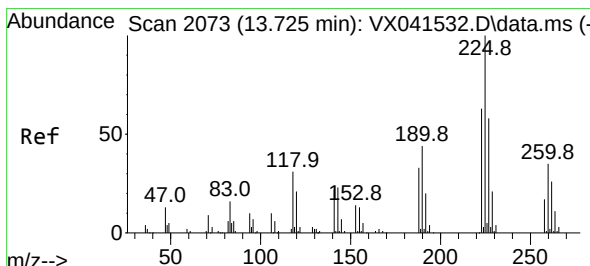
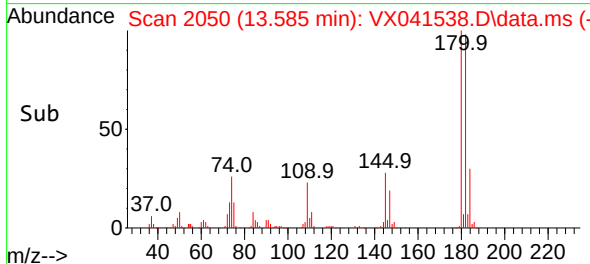
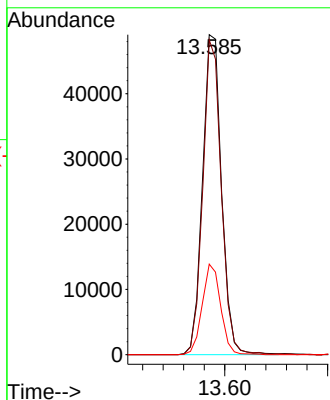
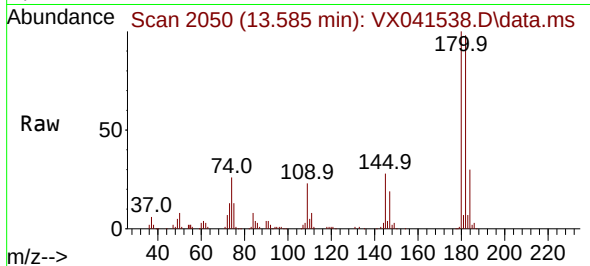
#89  
1,2,4-Trichlorobenzene  
Concen: 18.047 ug/l  
RT: 13.585 min Scan# 2050  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01

Tgt Ion:180 Resp: 63120  
Ion Ratio Lower Upper  
180 100  
182 95.1 77.0 115.4  
145 27.5 22.7 34.1

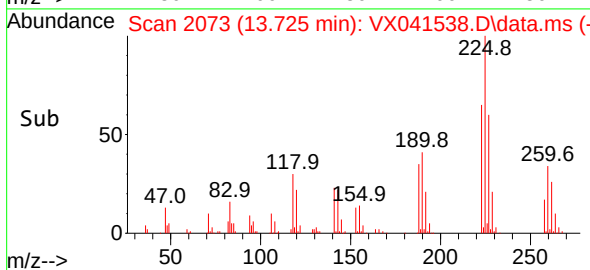
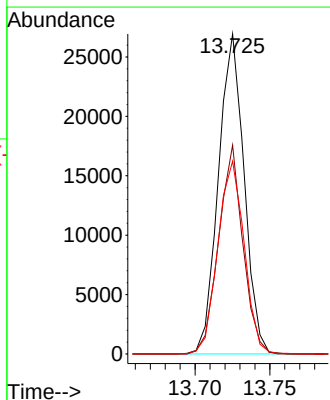
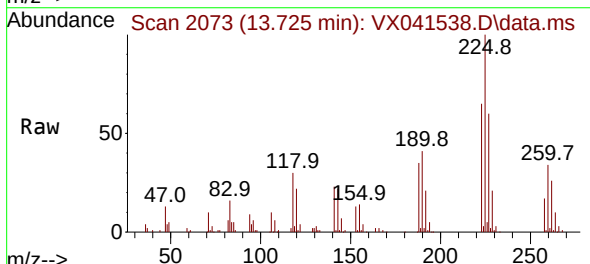
Manual Integrations  
APPROVED

Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024

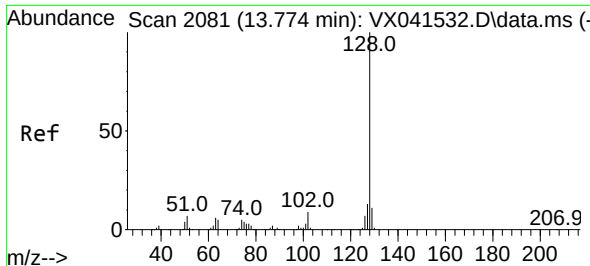


#90  
Hexachlorobutadiene  
Concen: 18.858 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

Tgt Ion:225 Resp: 32181  
Ion Ratio Lower Upper  
225 100  
223 61.6 0.0 125.8  
227 61.8 0.0 125.6

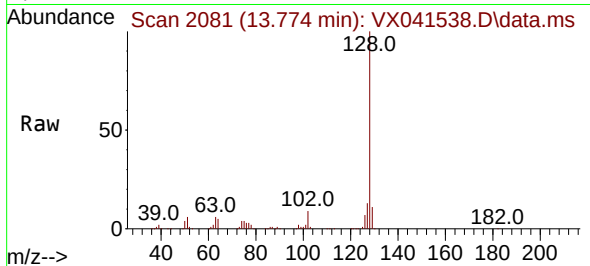






#91  
Naphthalene  
Concen: 17.962 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

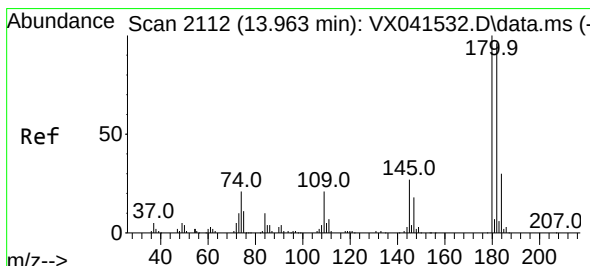
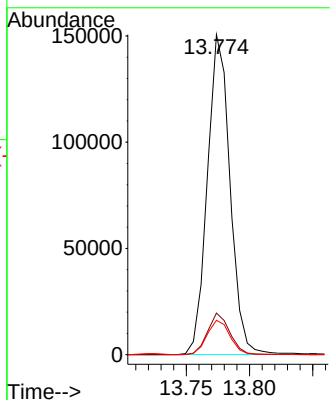
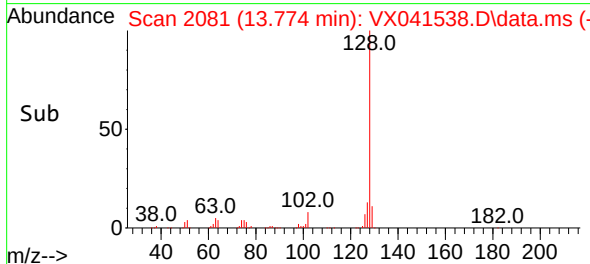
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0515WBS01



Tgt Ion:128 Resp: 18778  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.6 16.0  
129 11.0 8.8 13.2

Manual Integrations  
APPROVED

Reviewed By :John Carlone 05/16/2024  
Supervised By :Mahesh Dadoda 05/16/2024



#92  
1,2,3-Trichlorobenzene  
Concen: 18.139 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. 0.000 min  
Lab File: VX041538.D  
Acq: 15 May 2024 14:33

Tgt Ion:180 Resp: 64825  
Ion Ratio Lower Upper  
180 100  
182 95.8 0.0 191.0  
145 29.9 0.0 58.6

