

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091923\  
 Data File : VN079304.D  
 Acq On : 19 Sep 2023 17:01  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

Reviewed By :John  
 Carlone

Quant Time: Sep 20 03:52:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N090723W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Sep 08 05:09:17 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                        |        |       |          |          |        |           |
| Internal Standards           |        |       |          |          |        |           |
| 1) Bromochloromethane        | 7.818  | 128   | 40888    | 30.000   | ug/l   | 0.00      |
| 28) 1,4-Difluorobenzene      | 9.106  | 114   | 225265   | 30.000   | ug/l   | 0.00      |
| 57) Chlorobenzene-d5         | 11.871 | 117   | 227036   | 30.000   | ug/l   | 0.00      |
| System Monitoring Compounds  |        |       |          |          |        |           |
| 27) 1,2-Dichloroethane-d4    | 8.582  | 65    | 101600   | 33.073   | ug/l   | 0.00      |
| Spiked Amount                | 30.000 | Range | 91 - 110 | Recovery | =      | 110.233%# |
| 60) 4-Bromofluorobenzene     | 12.853 | 95    | 91106    | 27.234   | ug/l   | 0.00      |
| Spiked Amount                | 30.000 | Range | 63 - 112 | Recovery | =      | 90.767%   |
| 63) Toluene-d8               | 10.571 | 98    | 300129   | 28.287   | ug/l   | 0.00      |
| Spiked Amount                | 30.000 | Range | 91 - 112 | Recovery | =      | 94.300%   |
| Target Compounds             |        |       |          |          |        |           |
|                              |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane   | 2.130  | 85    | 45253    | 19.844   | ug/l   | 99        |
| 3) Chloromethane             | 2.365  | 50    | 54763    | 23.949   | ug/l   | 100       |
| 4) Vinyl Chloride            | 2.518  | 62    | 61898    | 27.360   | ug/l   | 95        |
| 5) Bromomethane              | 2.953  | 94    | 34979    | 25.192   | ug/l   | 96        |
| 6) Chloroethane              | 3.118  | 64    | 42963    | 31.009   | ug/l # | 85        |
| 7) Trichlorofluoromethane    | 3.500  | 101   | 76653    | 28.460   | ug/l   | 95        |
| 8) Diethyl Ether             | 3.959  | 74    | 27286    | 27.630   | ug/l   | 92        |
| 9) 1,1,2-Trichlorotrifluo... | 4.377  | 101   | 43106    | 29.042   | ug/l   | 93        |
| 10) 1,1-Dichloroethene       | 4.342  | 96    | 38509    | 26.777   | ug/l   | 97        |
| 11) Methyl Iodide            | 4.595  | 142   | 39883    | 22.016   | ug/l   | 96        |
| 12) Methyl Acetate           | 5.024  | 43    | 90422    | 26.979   | ug/l   | 99        |
| 13) Acrolein                 | 4.183  | 56    | 29059    | 95.198   | ug/l   | 98        |
| 14) Acrylonitrile            | 5.724  | 53    | 115493   | 117.457  | ug/l   | 98        |
| 15) Acetone                  | 4.436  | 58    | 37660    | 146.822  | ug/l   | 97        |
| 16) Carbon Disulfide         | 4.712  | 76    | 109745   | 25.825   | ug/l   | 98        |
| 17) Allyl chloride           | 5.024  | 41    | 60501    | 26.180   | ug/l   | 96        |
| 18) Methylene Chloride       | 5.277  | 84    | 51834    | 26.872   | ug/l   | 88        |
| 19) trans-1,2-Dichloroethene | 5.783  | 96    | 43867m   | 24.379   | ug/l   |           |
| 20) Diisopropyl ether        | 6.671  | 45    | 157464   | 22.824   | ug/l # | 87        |
| 21) 1,1-Dichloroethane       | 6.571  | 63    | 91833    | 22.722   | ug/l   | 96        |
| 22) cis-1,2-Dichloroethene   | 7.494  | 96    | 52971    | 18.824   | ug/l   | 95        |
| 23) tert-Butyl Alcohol       | 5.530  | 59    | 32126    | 84.931   | ug/l # | 100       |
| 24) Methyl tert-Butyl Ether  | 5.800  | 73    | 138388   | 24.382   | ug/l   | 94        |
| 25) Chloroform               | 7.965  | 83    | 96010    | 19.700   | ug/l   | 98        |
| 26) Cyclohexane              | 8.265  | 56    | 66286    | 18.086   | ug/l # | 100       |
| 29) 1,1-Dichloropropene      | 8.377  | 75    | 67264    | 18.624   | ug/l   | 97        |
| 30) 2-Butanone               | 7.488  | 43    | 163600   | 90.058   | ug/l   | 97        |
| 31) 2,2-Dichloropropane      | 7.488  | 77    | 74541    | 20.691   | ug/l   | 99        |
| 32) 1,1,1-Trichloroethane    | 8.171  | 97    | 79359    | 18.651   | ug/l   | 96        |
| 33) Carbon Tetrachloride     | 8.365  | 117   | 67055    | 18.345   | ug/l   | 99        |
| 34) Benzene                  | 8.612  | 78    | 202857   | 17.678   | ug/l   | 98        |
| 35) Methacrylonitrile        | 7.777  | 41    | 35872    | 18.340   | ug/l   | 90        |
| 36) 1,2-Dichloroethane       | 8.677  | 62    | 73021    | 19.295   | ug/l # | 88        |
| 37) Trichloroethene          | 9.353  | 130   | 46191    | 17.030   | ug/l   | 93        |
| 38) Methylcyclohexane        | 9.606  | 83    | 64234    | 17.790   | ug/l   | 97        |
| 39) 1,2-Dichloropropane      | 9.624  | 63    | 52359    | 17.689   | ug/l   | 90        |
| 40) Dibromomethane           | 9.712  | 93    | 36151    | 18.520   | ug/l   | 93        |
| 41) Bromodichloromethane     | 9.888  | 83    | 75802    | 19.480   | ug/l # | 94        |
| 42) Vinyl Acetate            | 6.606  | 43    | 448283   | 103.908  | ug/l   | 97        |

09/20/2023  
 Supervised By :Mahesh  
 adoda

09/20/2023

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 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

Reviewed By :John  
 Carlone

Quant Time: Sep 20 03:52:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N090723W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Sep 08 05:09:17 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |                       |
|-------------------------------|--------|------|----------|---------|--------|----------|-----------------------|
| 43) Ethyl Acetate             | 7.559  | 43   | 64169    | 18.599  | ug/l   | 98       | 09/20/2023            |
| 44) Isopropyl Acetate         | 8.694  | 43   | 106143   | 17.102  | ug/l   | 99       | Supervised By :Mahesh |
| 45) 1,4-Dioxane               | 9.694  | 88   | 16299    | 263.833 | ug/l # | 94       | Dadoda                |
| 46) Methyl methacrylate       | 9.682  | 41   | 48517    | 17.497  | ug/l   | 91       |                       |
| 47) n-amyl Acetate            | 12.500 | 43   | 87112    | 19.958  | ug/l   | 100      |                       |
| 48) t-1,3-Dichloropropene     | 10.841 | 75   | 76123    | 18.082  | ug/l   | 91       |                       |
| 49) cis-1,3-Dichloropropene   | 10.318 | 75   | 80477    | 18.327  | ug/l   | 93       | 09/20/2023            |
| 50) 1,1,2-Trichloroethane     | 11.018 | 97   | 53775    | 19.637  | ug/l   | 93       |                       |
| 51) Ethyl methacrylate        | 10.876 | 69   | 70970    | 16.781  | ug/l # | 88       |                       |
| 52) 1,3-Dichloropropane       | 11.165 | 76   | 91758    | 19.627  | ug/l   | 99       |                       |
| 53) Dibromochloromethane      | 11.359 | 129  | 55373    | 19.279  | ug/l   | 96       |                       |
| 54) 1,2-Dibromoethane         | 11.476 | 107  | 52543    | 18.895  | ug/l   | 97       |                       |
| 55) 2-Chloroethyl vinyl ether | 10.165 | 63   | 123454   | 82.153  | ug/l   | 99       |                       |
| 56) Bromoform                 | 12.582 | 173  | 36229    | 18.102  | ug/l   | 97       |                       |
| 58) 4-Methyl-2-Pentanone      | 10.447 | 43   | 327068   | 78.504  | ug/l   | 94       |                       |
| 59) 2-Hexanone                | 11.200 | 43   | 248847   | 85.049  | ug/l   | 94       |                       |
| 61) Tetrachloroethene         | 11.106 | 164  | 44639    | 18.070  | ug/l   | 96       |                       |
| 62) Toluene                   | 10.635 | 91   | 216983   | 16.414  | ug/l   | 99       |                       |
| 64) Chlorobenzene             | 11.894 | 112  | 139455   | 18.083  | ug/l   | 96       |                       |
| 65) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 53864    | 18.244  | ug/l   | 98       |                       |
| 66) Ethyl Benzene             | 11.965 | 91   | 250504   | 18.821  | ug/l   | 96       |                       |
| 67) m/p-Xylenes               | 12.076 | 106  | 188619   | 37.662  | ug/l   | 99       |                       |
| 68) o-Xylene                  | 12.400 | 106  | 88941    | 18.415  | ug/l   | 99       |                       |
| 69) Styrene                   | 12.418 | 104  | 145994   | 18.951  | ug/l   | 98       |                       |
| 70) Isopropylbenzene          | 12.700 | 105  | 212434   | 17.304  | ug/l   | 98       |                       |
| 71) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 72794    | 15.850  | ug/l   | 97       |                       |
| 72) 1,2,3-Trichloropropane    | 13.000 | 75   | 57765m   | 14.949  | ug/l   |          |                       |
| 73) Bromobenzene              | 12.982 | 156  | 47838    | 15.599  | ug/l   | 97       |                       |
| 74) n-propylbenzene           | 13.041 | 91   | 250033   | 17.875  | ug/l   | 99       |                       |
| 75) 2-Chlorotoluene           | 13.129 | 91   | 152407   | 16.992  | ug/l   | 99       |                       |
| 76) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 179733   | 17.706  | ug/l   | 99       |                       |
| 77) t-1,4-Dichloro-2-butene   | 12.741 | 75   | 19509    | 14.340  | ug/l   | 89       |                       |
| 78) 4-Chlorotoluene           | 13.223 | 91   | 144239   | 17.031  | ug/l   | 100      |                       |
| 79) tert-butylbenzene         | 13.441 | 119  | 141551   | 16.989  | ug/l   | 97       |                       |
| 80) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 172036   | 17.746  | ug/l   | 99       |                       |
| 81) sec-Butylbenzene          | 13.617 | 105  | 207988   | 18.244  | ug/l   | 100      |                       |
| 82) p-Isopropyltoluene        | 13.735 | 119  | 167306   | 18.579  | ug/l   | 98       |                       |
| 83) 1,3-Dichlorobenzene       | 13.735 | 146  | 83354    | 17.115  | ug/l   | 99       |                       |
| 84) 1,4-Dichlorobenzene       | 13.817 | 146  | 79050    | 17.306  | ug/l   | 99       |                       |
| 85) n-Butylbenzene            | 14.059 | 91   | 139775   | 20.380  | ug/l   | 97       |                       |
| 86) Hexachloroethane          | 14.335 | 117  | 32805    | 18.400  | ug/l   | 87       |                       |
| 87) 1,2-Dichlorobenzene       | 14.112 | 146  | 79988    | 16.642  | ug/l   | 98       |                       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.729 | 75   | 11118    | 14.322  | ug/l   | 90       |                       |
| 89) 1,2,4-Trichlorobenzene    | 15.847 | 180  | 28419    | 13.818  | ug/l   | 96       |                       |
| 90) Hexachlorobutadiene       | 15.506 | 225  | 21394    | 17.125  | ug/l   | 93       |                       |
| 91) Naphthalene               | 15.647 | 128  | 60627    | 11.281  | ug/l   | 99       |                       |
| 92) 1,2,3-Trichlorobenzene    | 15.847 | 180  | 28419    | 13.818  | ug/l   | 96       |                       |

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

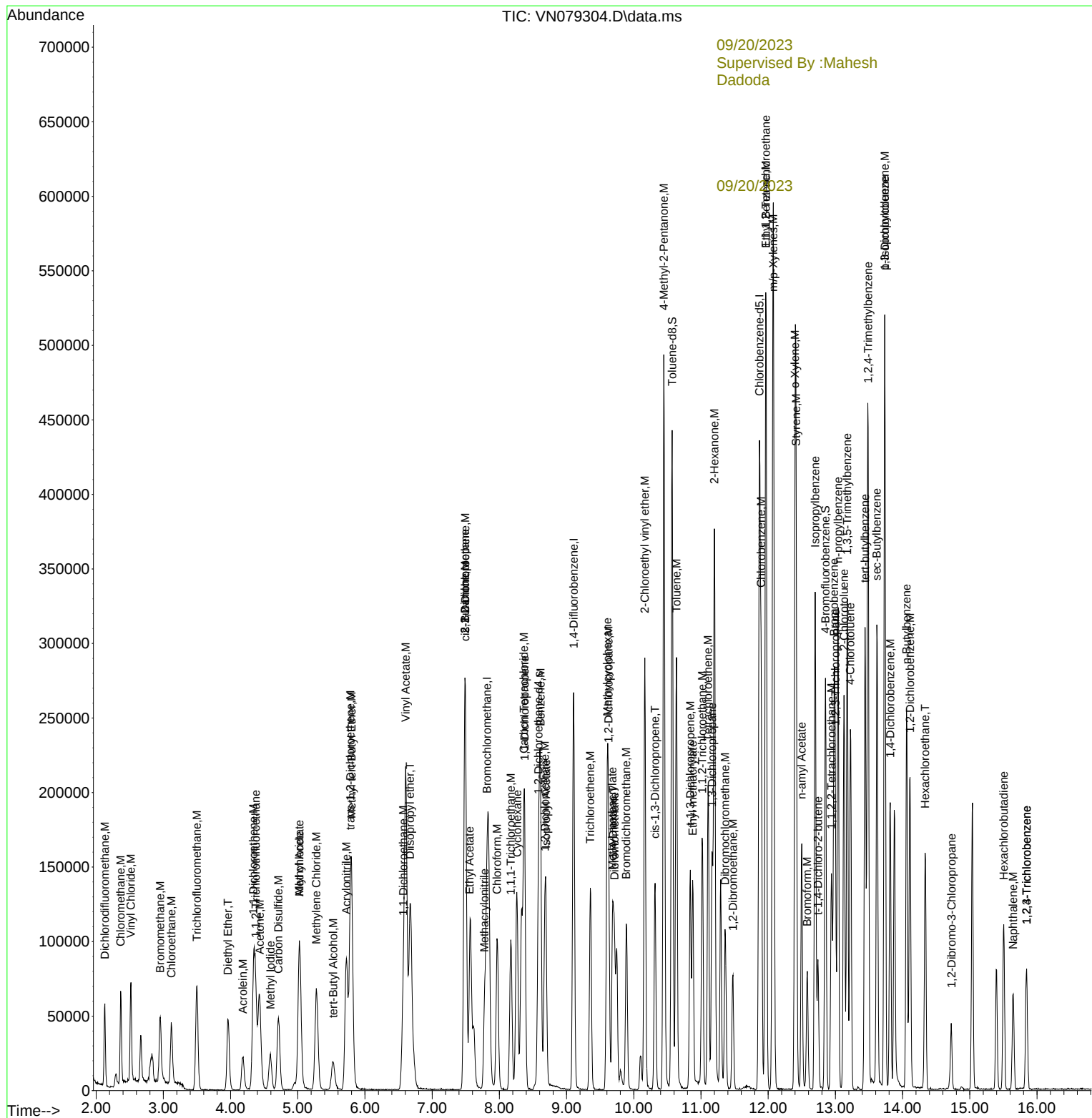
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091923\  
Data File : VN079304.D  
Acq On : 19 Sep 2023 17:01  
Operator : JC\MD  
Sample : VSTDCCC020  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 9 Sample Multiplier: 1

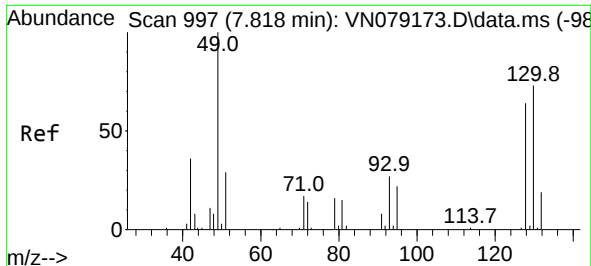
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Quant Time: Sep 20 03:52:42 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N090723W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Sep 08 05:09:17 2023  
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Manual Integrations  
APPROVED

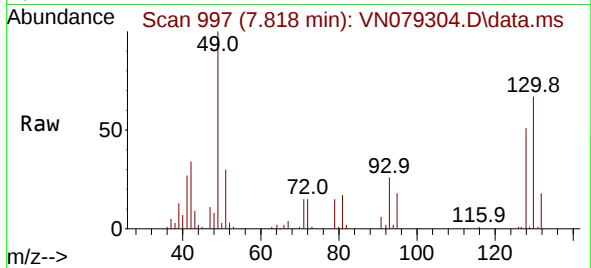
Reviewed By :John  
Carlone





#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.818 min Scan# 997  
Delta R.T. -0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

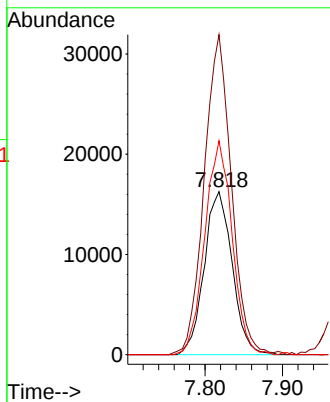
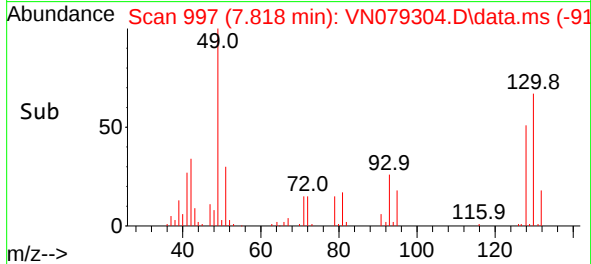
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:128 Resp: 4088  
Ion Ratio Lower Upper  
128 100  
49 190.0 0.0 414.3  
130 128.0 0.0 311.0

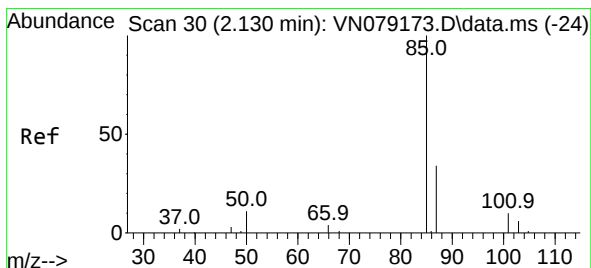
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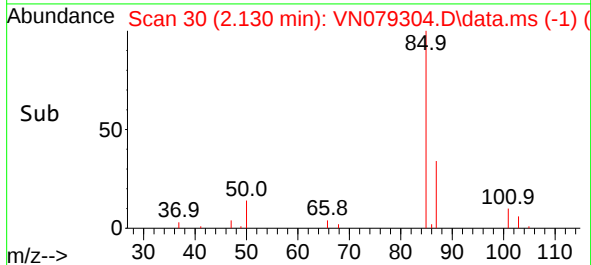
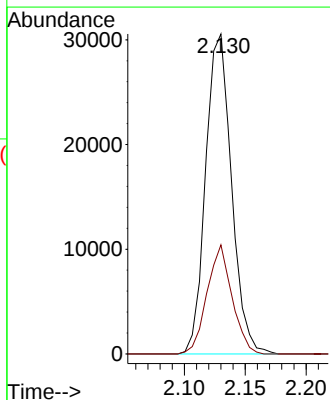
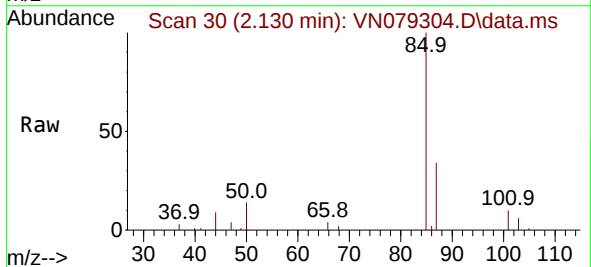
09/20/2023  
Supervised By :Mahesh  
Dadoda

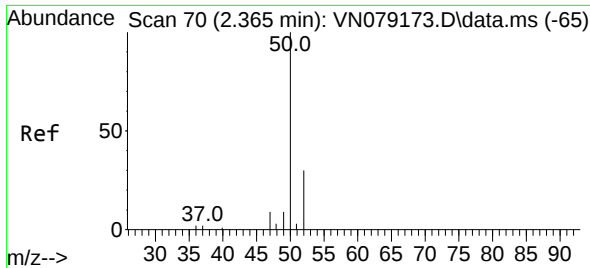
09/20/2023



#2  
Dichlorodifluoromethane  
Concen: 19.844 ug/l  
RT: 2.130 min Scan# 30  
Delta R.T. -0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

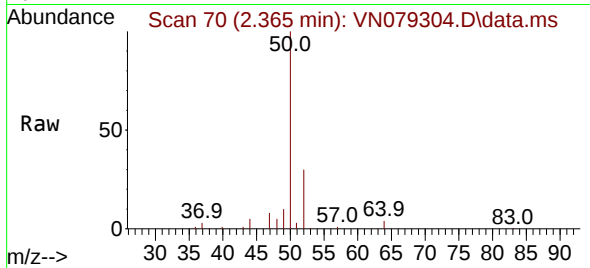
Tgt Ion: 85 Resp: 45253  
Ion Ratio Lower Upper  
85 100  
87 34.1 17.3 51.7





#3  
Chloromethane  
Concen: 23.949 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

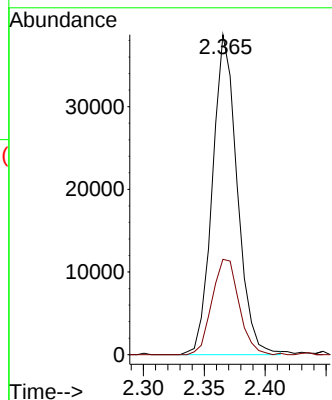
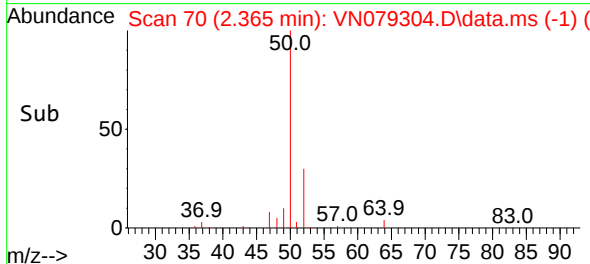
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 50 Resp: 5476  
Ion Ratio Lower Upper  
50 100  
52 29.8 24.0 36.0

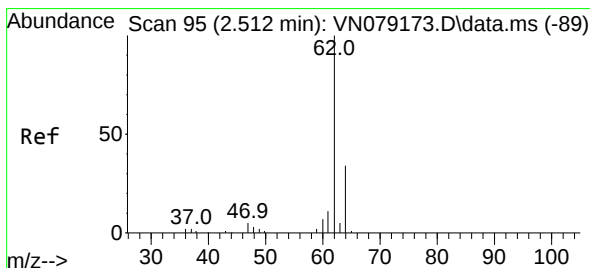
Manual Integrations  
APPROVED

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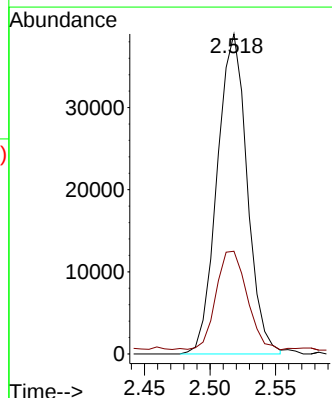
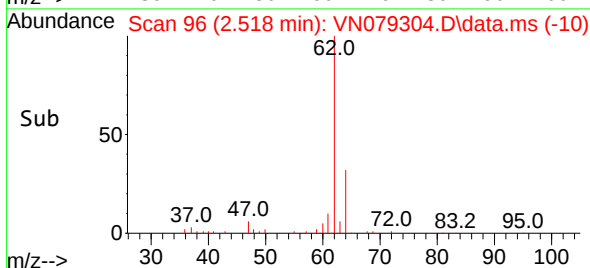
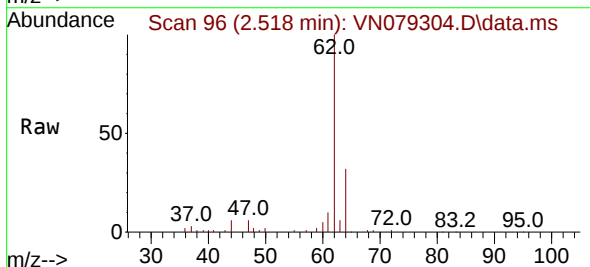
09/20/2023  
Supervised By :Mahesh  
Dadoda

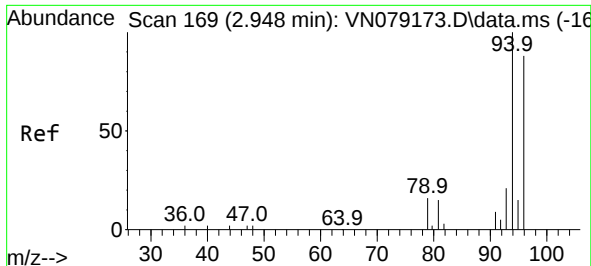
09/20/2023



#4  
Vinyl Chloride  
Concen: 27.360 ug/l  
RT: 2.518 min Scan# 96  
Delta R.T. 0.006 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

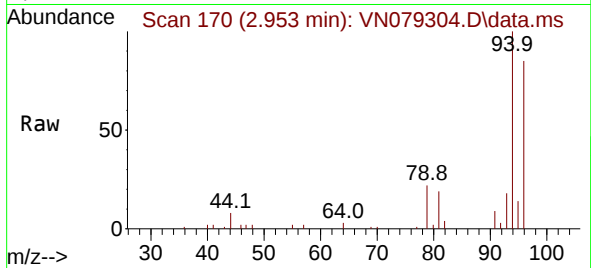
Tgt Ion: 62 Resp: 61898  
Ion Ratio Lower Upper  
62 100  
64 30.8 27.1 40.7





#5  
Bromomethane  
Concen: 25.192 ug/l  
RT: 2.953 min Scan# 11  
Delta R.T. 0.005 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

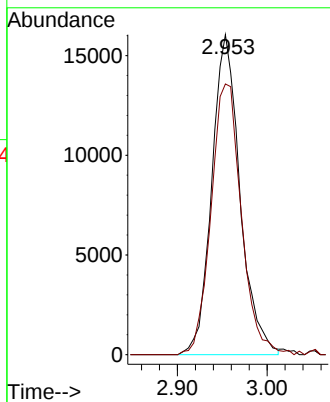
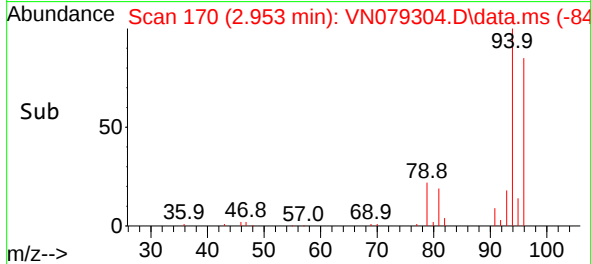
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 94 Resp: 34979  
Ion Ratio Lower Upper  
94 100  
96 84.6 70.6 105.8

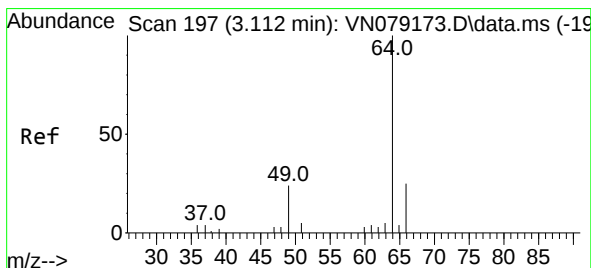
Manual Integrations  
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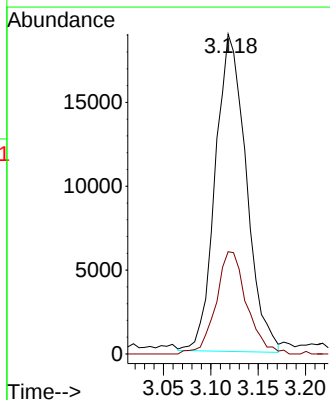
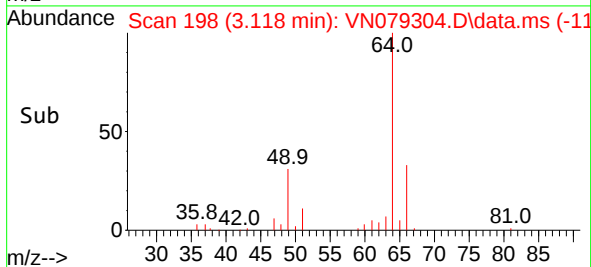
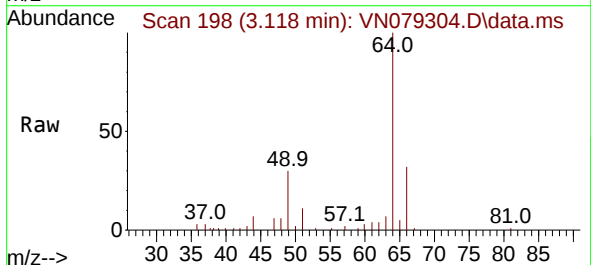
09/20/2023  
Supervised By :Mahesh  
Dadoda

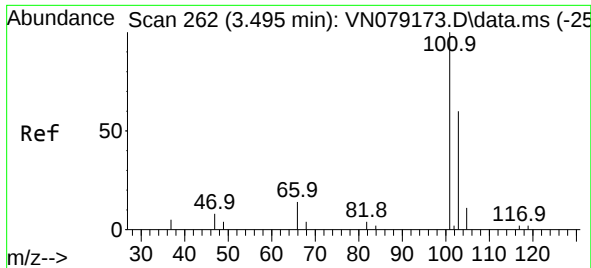
09/20/2023



#6  
Chloroethane  
Concen: 31.009 ug/l  
RT: 3.118 min Scan# 198  
Delta R.T. 0.006 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Tgt Ion: 64 Resp: 42963  
Ion Ratio Lower Upper  
64 100  
66 32.5 20.1 30.1#





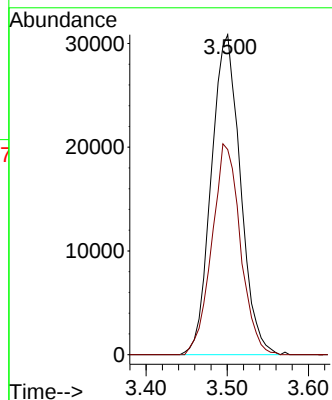
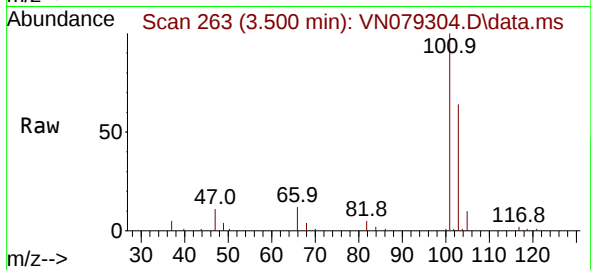
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Trichlorofluoromethane  
Concen: 28.460 ug/l  
RT: 3.500 min Scan# 262  
Delta R.T. 0.005 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:101 Resp: 7665  
Ion Ratio Lower Upper  
101 100  
103 64.1 48.2 72.4

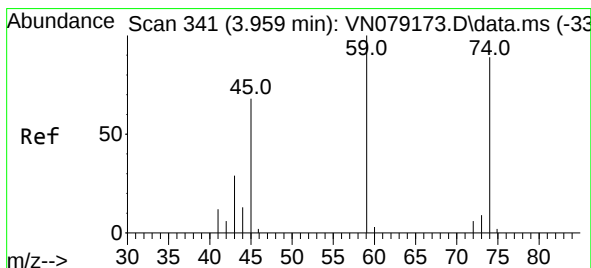
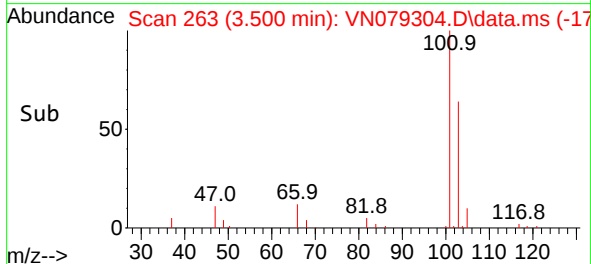
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone



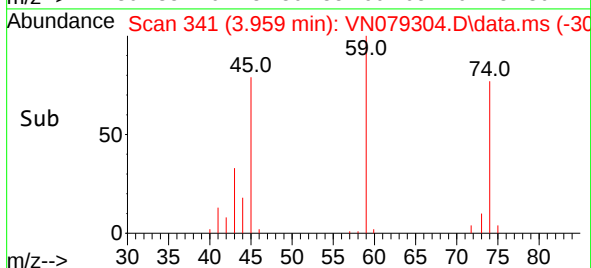
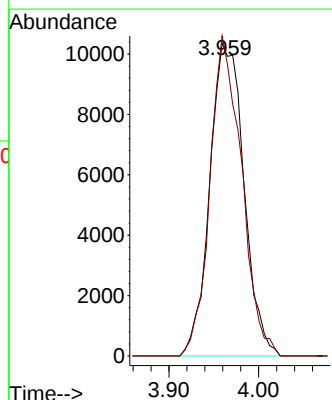
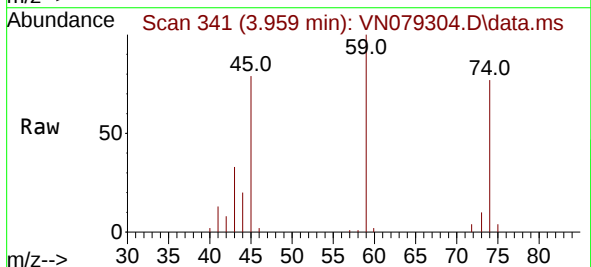
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Supervised By :Mahesh  
Dadoda

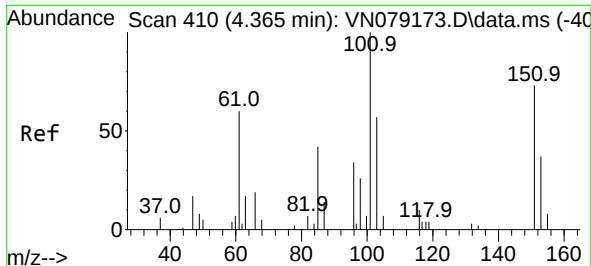
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#8  
Diethyl Ether  
Concen: 27.630 ug/l  
RT: 3.959 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Tgt Ion: 74 Resp: 27286  
Ion Ratio Lower Upper  
74 100  
45 95.3 17.6 158.0





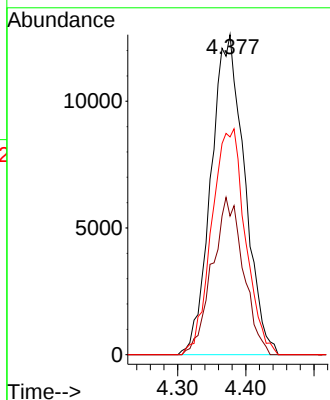
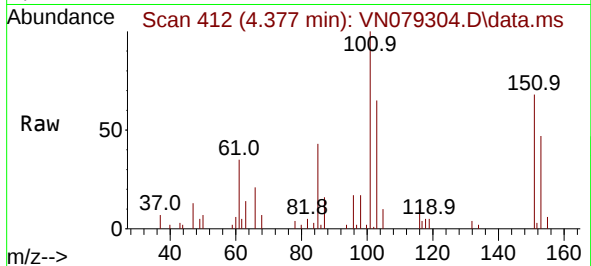
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 29.042 ug/l  
RT: 4.377 min Scan# 410  
Delta R.T. 0.012 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:101 Resp: 43100  
Ion Ratio Lower Upper  
101 100  
85 45.9 0.0 85.6  
151 71.1 0.0 155.8

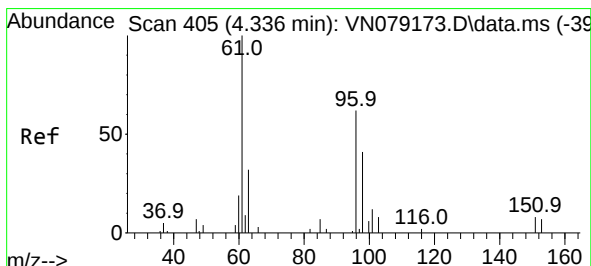
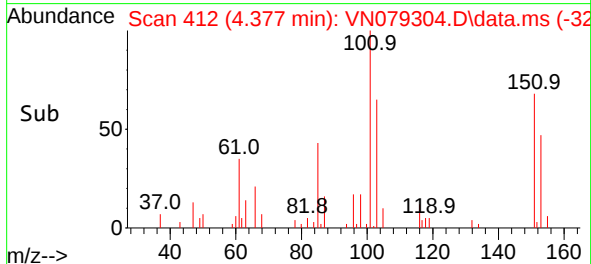
Manual Integrations  
APPROVED

Reviewed By :John  
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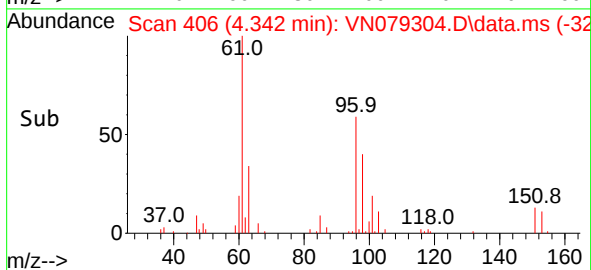
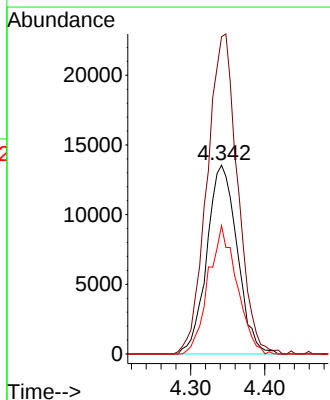
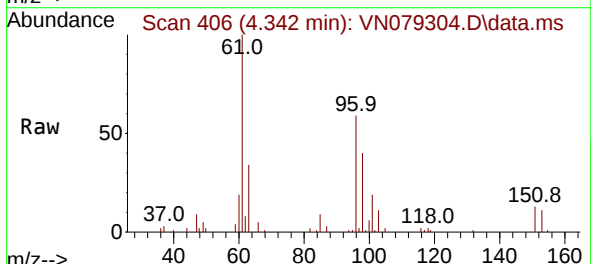
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Supervised By :Mahesh  
Dadoda

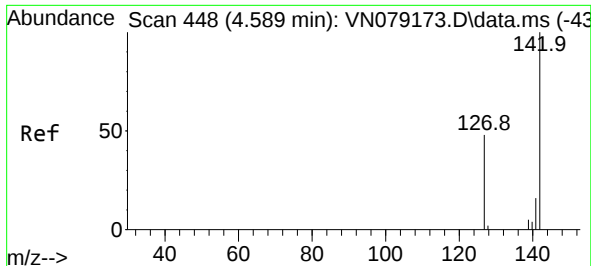
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#10  
1,1-Dichloroethene  
Concen: 26.777 ug/l  
RT: 4.342 min Scan# 406  
Delta R.T. 0.006 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Tgt Ion: 96 Resp: 38509  
Ion Ratio Lower Upper  
96 100  
61 166.9 130.2 195.2  
98 68.0 52.3 78.5





#11

Methyl Iodide

Concen: 22.016 ug/l

RT: 4.595 min Scan# 448

Delta R.T. 0.005 min

Lab File: VN079304.D

Acq: 19 Sep 2023 17:01

Instrument :

MSVOA\_N

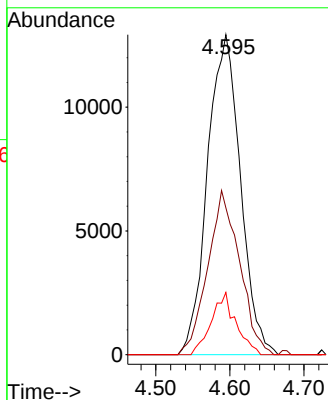
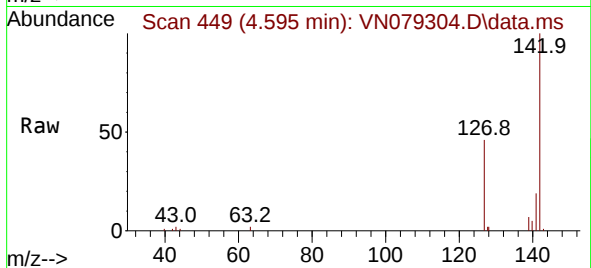
ClientSampleId :

VSTDCCC020EC

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 142   | Resp: | 3988 |
| Ion Ratio | Lower | Upper |      |
| 142       | 100   |       |      |
| 127       | 45.9  | 23.8  | 71.4 |
| 141       | 19.5  | 8.2   | 24.6 |

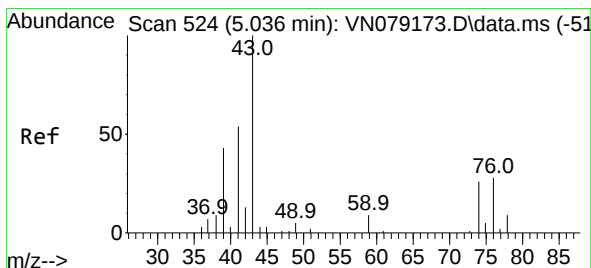
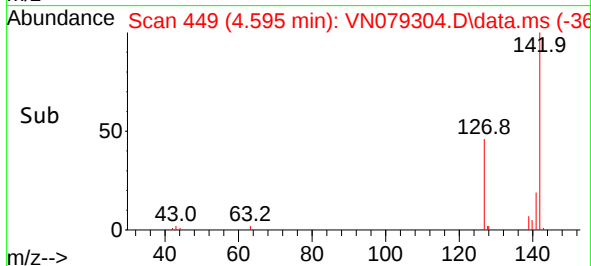
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone



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Supervised By :Mahesh  
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#12

Methyl Acetate

Concen: 26.979 ug/l

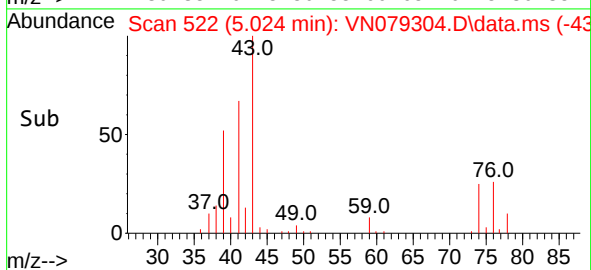
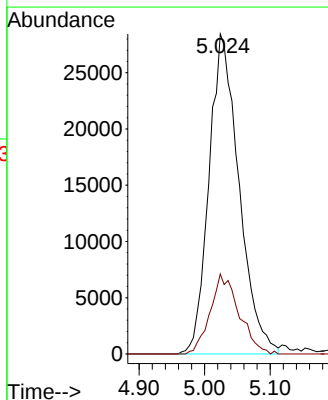
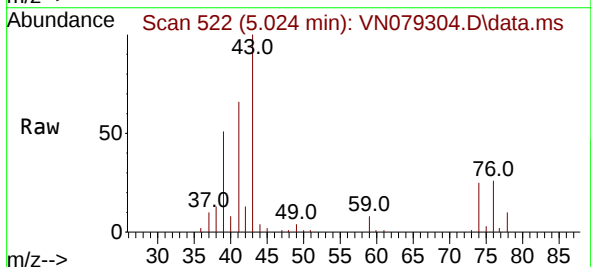
RT: 5.024 min Scan# 522

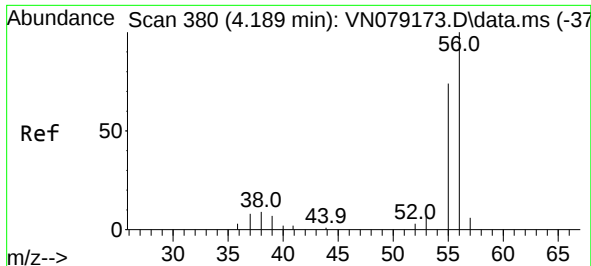
Delta R.T. -0.012 min

Lab File: VN079304.D

Acq: 19 Sep 2023 17:01

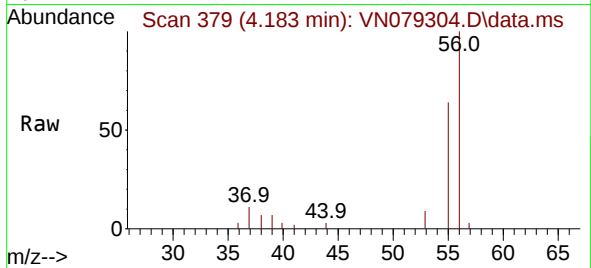
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 43    | Resp: | 90422 |
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 74        | 25.2  | 20.4  | 30.6  |





#13  
Acrolein  
Concen: 95.198 ug/l  
RT: 4.183 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

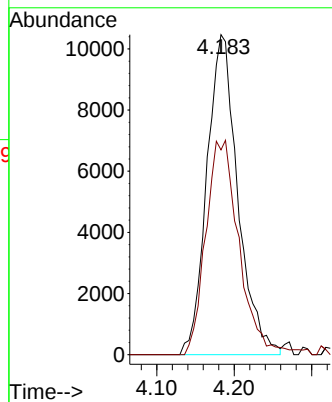
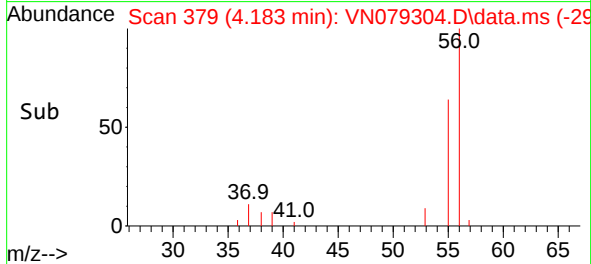
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 56 Resp: 2905  
Ion Ratio Lower Upper  
56 100  
55 70.1 57.7 86.5

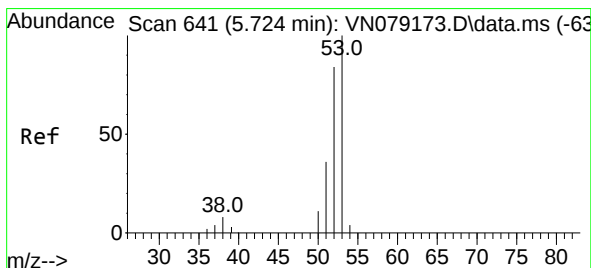
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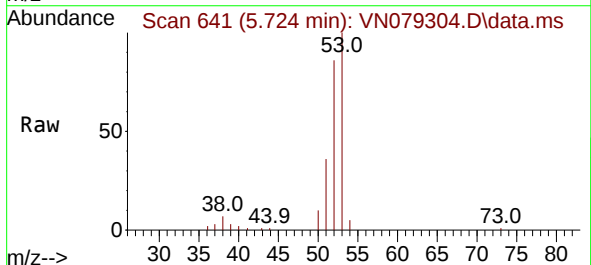


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Supervised By :Mahesh  
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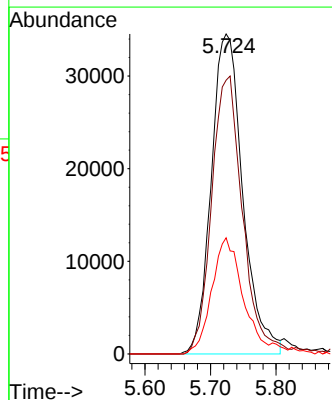
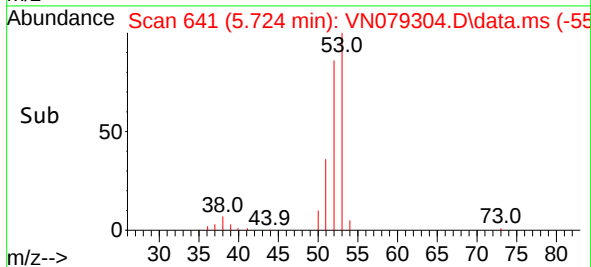
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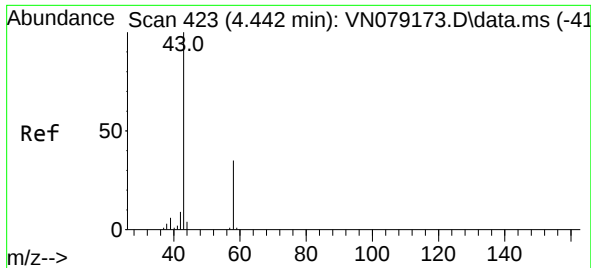


#14  
Acrylonitrile  
Concen: 117.457 ug/l  
RT: 5.724 min Scan# 641  
Delta R.T. -0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01



Tgt Ion: 53 Resp: 115493  
Ion Ratio Lower Upper  
53 100  
52 84.8 41.4 124.4  
51 35.4 17.3 51.9





#15

Acetone

Concen: 146.822 ug/l

RT: 4.436 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN079304.D

Acq: 19 Sep 2023 17:01

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 3766

Ion Ratio Lower Upper

58 100

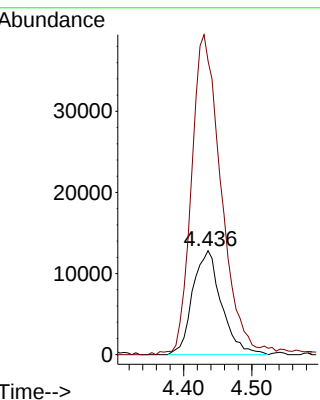
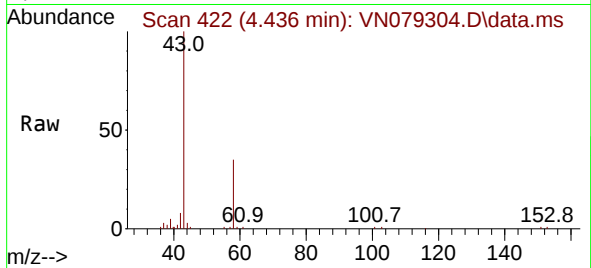
43 279.4 228.3 342.5

Manual Integrations

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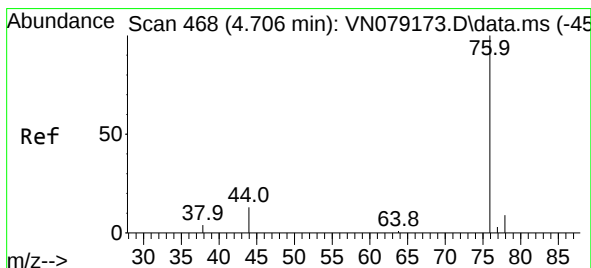
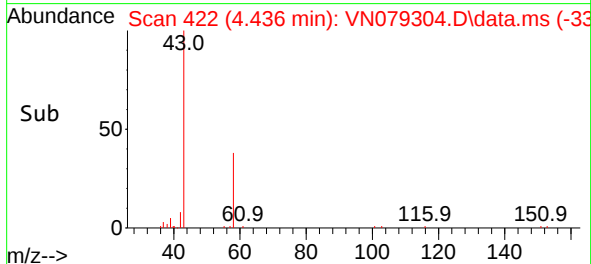


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#16

Carbon Disulfide

Concen: 25.825 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.006 min

Lab File: VN079304.D

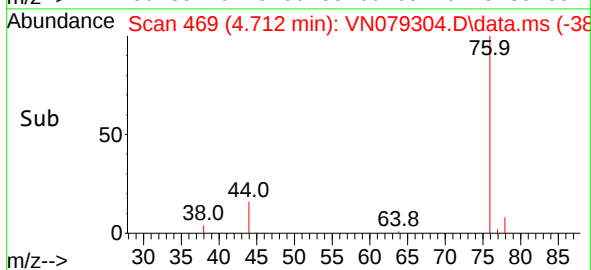
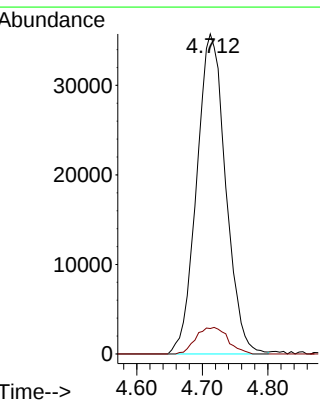
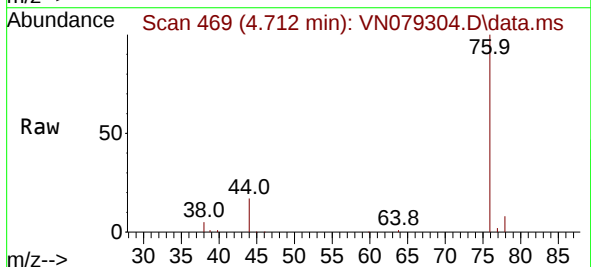
Acq: 19 Sep 2023 17:01

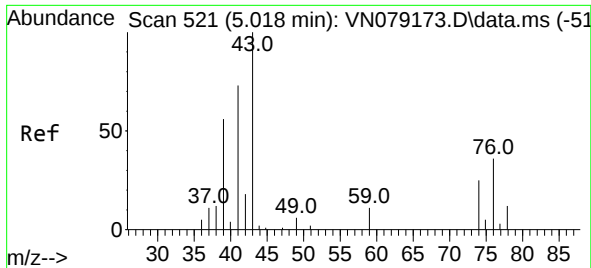
Tgt Ion: 76 Resp: 109745

Ion Ratio Lower Upper

76 100

78 8.0 6.9 10.3





#17  
 Allyl chloride  
 Concen: 26.180 ug/l  
 RT: 5.024 min Scan# 51  
 Delta R.T. 0.006 min  
 Lab File: VN079304.D  
 Acq: 19 Sep 2023 17:01

Instrument :

MSVOA\_N

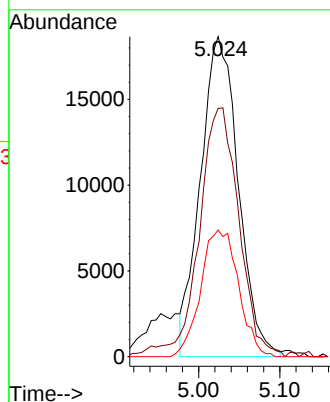
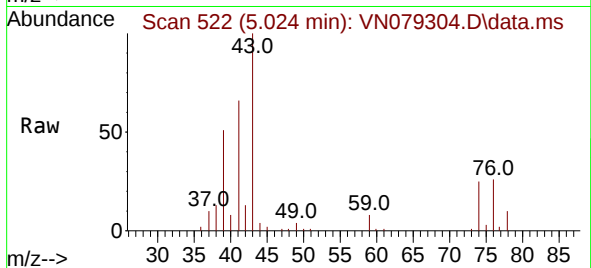
ClientSampleId :

VSTDCCC020EC

Tgt Ion: 41 Resp: 6050  
 Ion Ratio Lower Upper  
 41 100  
 39 77.0 38.3 114.8  
 76 40.1 23.7 71.1

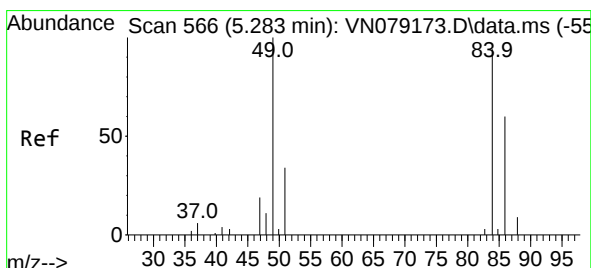
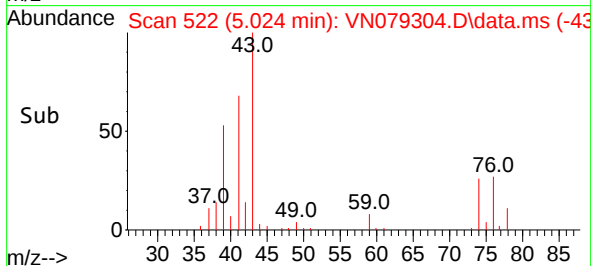
Manual Integrations  
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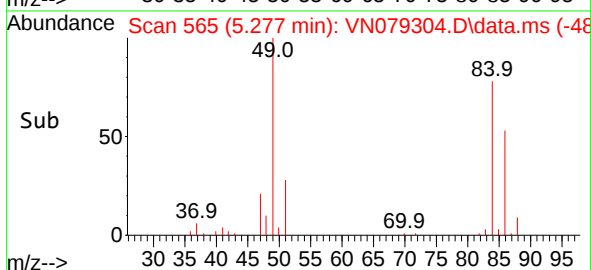
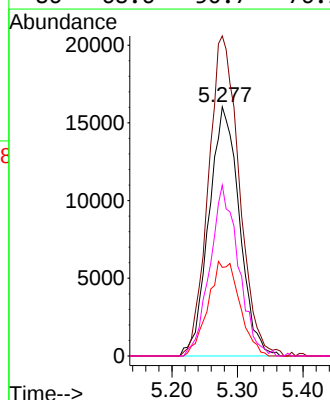
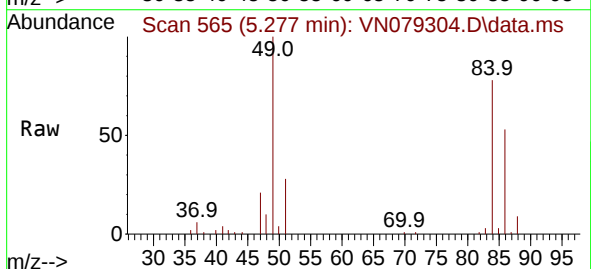
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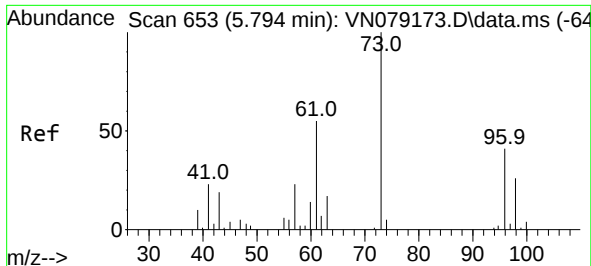
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#18  
 Methylene Chloride  
 Concen: 26.872 ug/l  
 RT: 5.277 min Scan# 565  
 Delta R.T. -0.006 min  
 Lab File: VN079304.D  
 Acq: 19 Sep 2023 17:01

Tgt Ion: 84 Resp: 51834  
 Ion Ratio Lower Upper  
 84 100  
 49 128.5 86.9 130.3  
 51 35.6 28.6 43.0  
 86 68.6 50.7 76.1





#19

trans-1,2-Dichloroethene

Concen: 24.379 ug/l m

RT: 5.783 min Scan# 61

Delta R.T. -0.011 min

Lab File: VN079304.D

Acq: 19 Sep 2023 17:01

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

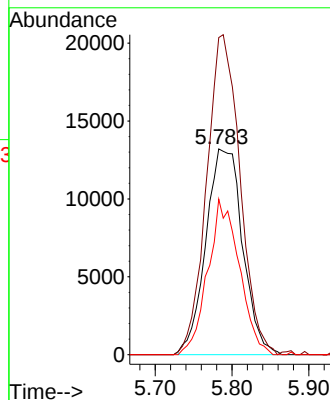
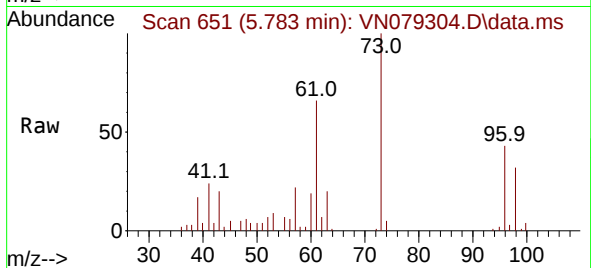
Tgt Ion: 96 Resp: 4386

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 154.1 | 106.6 | 159.8 |
| 98  | 75.6  | 51.0  | 76.4  |

Manual Integrations

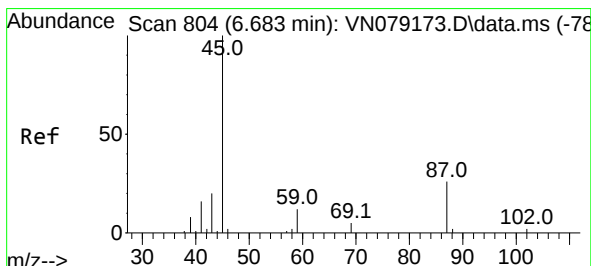
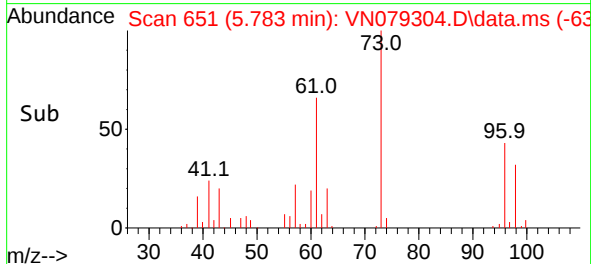
APPROVED

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Carlone



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#20

Diisopropyl ether

Concen: 22.824 ug/l

RT: 6.671 min Scan# 802

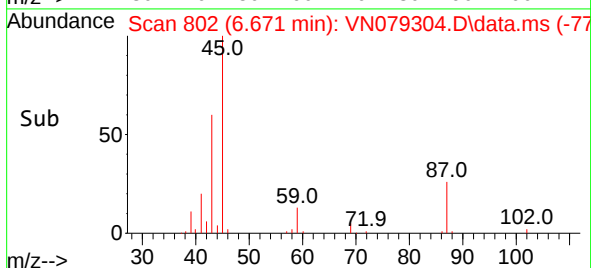
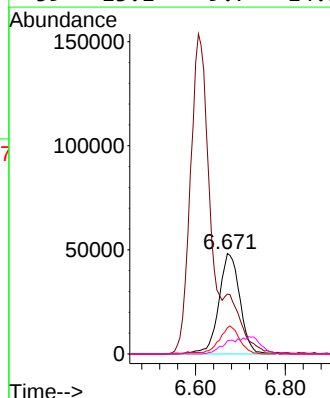
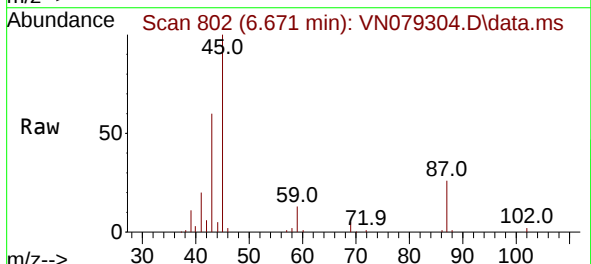
Delta R.T. -0.012 min

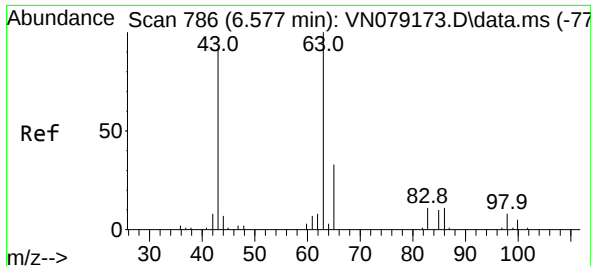
Lab File: VN079304.D

Acq: 19 Sep 2023 17:01

Tgt Ion: 45 Resp: 157464

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 43  | 58.3  | 34.9  | 52.3# |
| 87  | 26.1  | 21.5  | 32.3  |
| 59  | 13.1  | 9.7   | 14.5  |





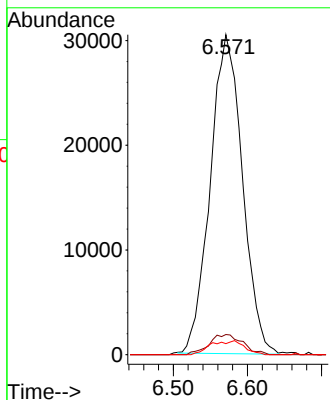
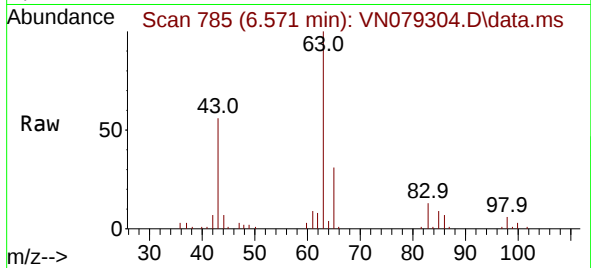
#21  
1,1-Dichloroethane  
Concen: 22.722 ug/l  
RT: 6.571 min Scan# 785  
Delta R.T. -0.006 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 63 Resp: 9183  
Ion Ratio Lower Upper  
63 100  
98 6.3 3.9 11.5  
100 3.5 2.5 7.5

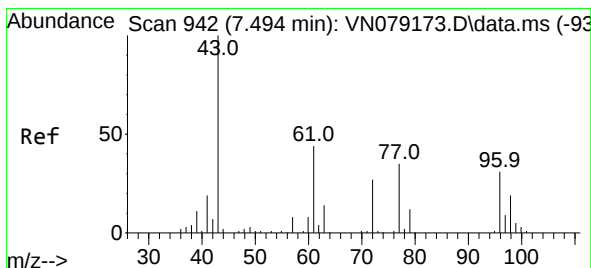
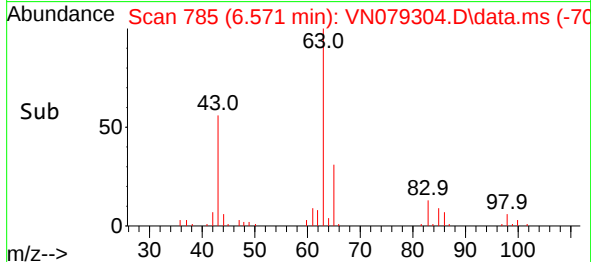
Manual Integrations  
APPROVED

Reviewed By :John  
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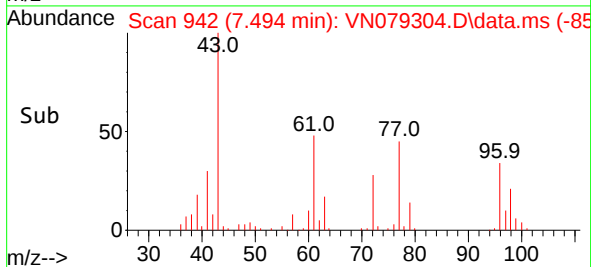
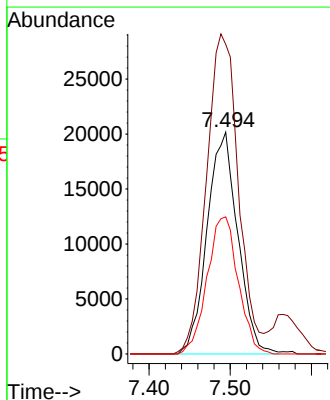
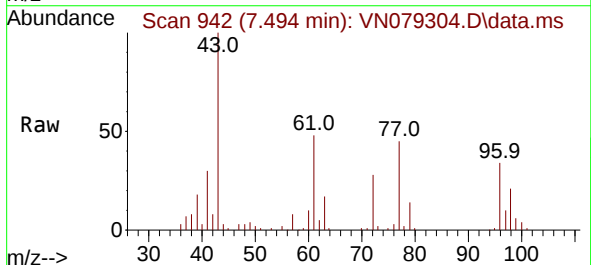
09/20/2023  
Supervised By :Mahesh  
Dadoda

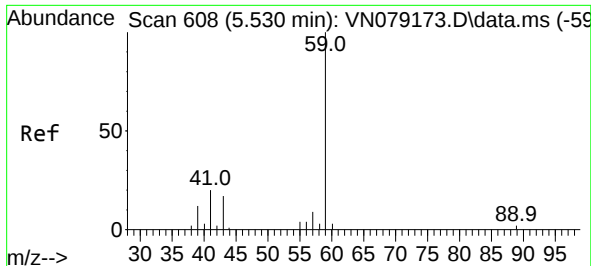
09/20/2023



#22  
cis-1,2-Dichloroethene  
Concen: 18.824 ug/l  
RT: 7.494 min Scan# 942  
Delta R.T. 0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

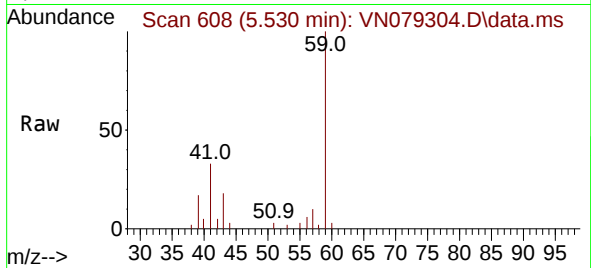
Tgt Ion: 96 Resp: 52971  
Ion Ratio Lower Upper  
96 100  
61 150.2 113.0 169.6  
98 62.5 50.2 75.4





#23  
tert-Butyl Alcohol  
Concen: 84.931 ug/l  
RT: 5.530 min Scan# 608  
Delta R.T. -0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

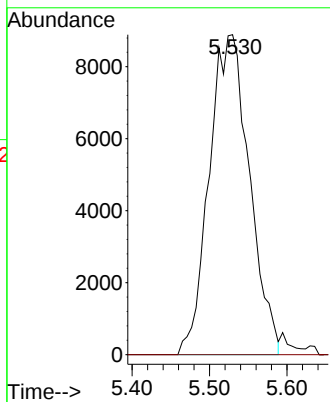
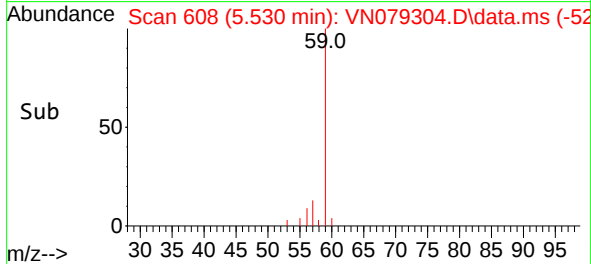
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 59 Resp: 32120  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0

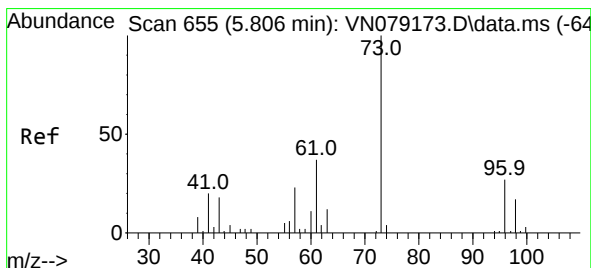
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone

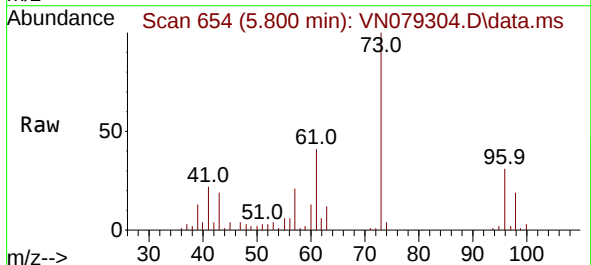


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Supervised By :Mahesh  
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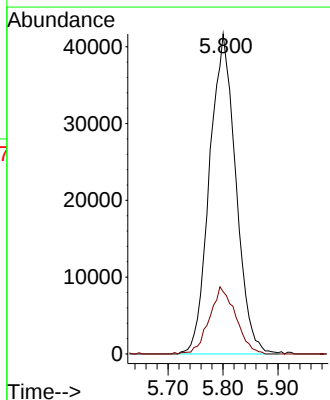
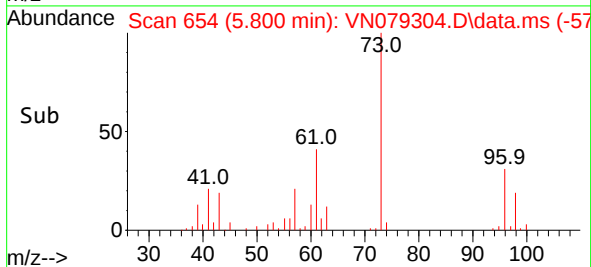
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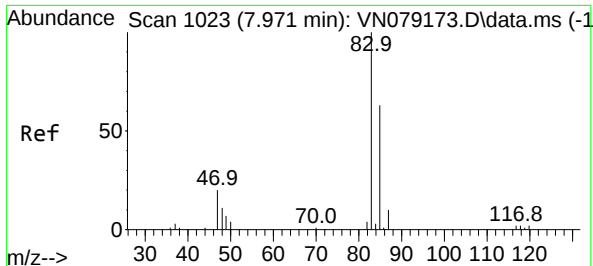


#24  
Methyl tert-Butyl Ether  
Concen: 24.382 ug/l  
RT: 5.800 min Scan# 654  
Delta R.T. -0.006 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01



Tgt Ion: 73 Resp: 138388  
Ion Ratio Lower Upper  
73 100  
43 20.9 14.7 22.1





#25

Chloroform

Concen: 19.700 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.006 min

Lab File: VN079304.D

Acq: 19 Sep 2023 17:01

Instrument :

MSVOA\_N

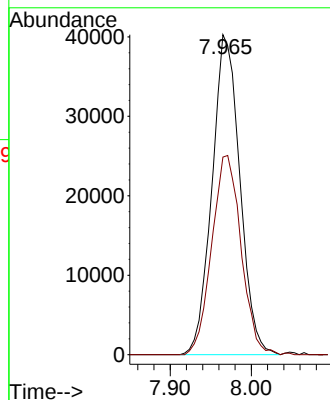
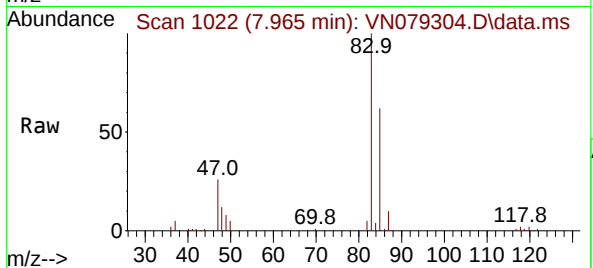
ClientSampleId :

VSTDCCC020EC

Tgt Ion: 83 Resp: 96010  
 Ion Ratio Lower Upper  
 83 100  
 85 61.7 50.6 76.0

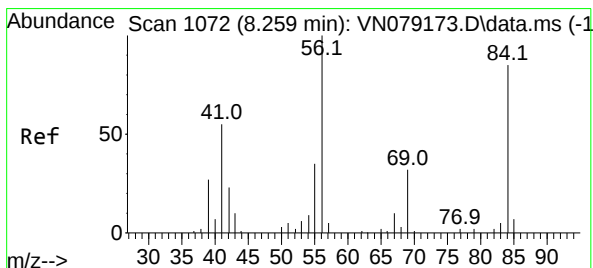
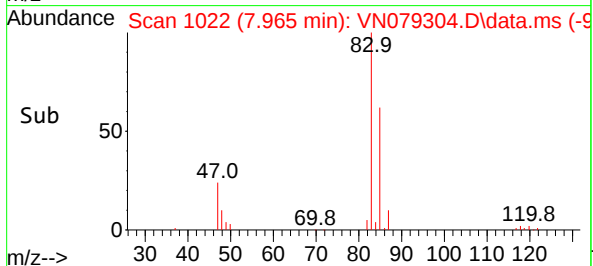
Manual Integrations  
 APPROVED

Reviewed By :John  
 Carlone



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#26

Cyclohexane

Concen: 18.086 ug/l

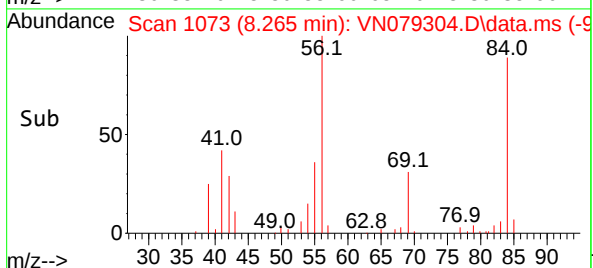
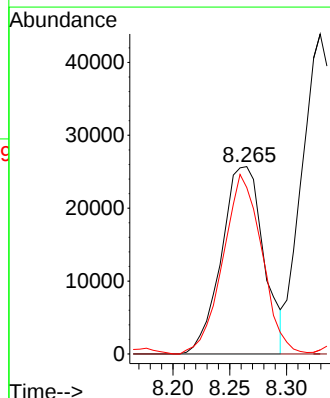
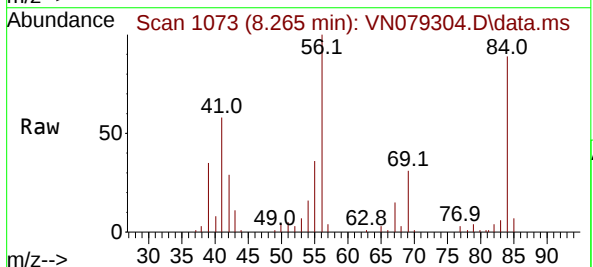
RT: 8.265 min Scan# 1073

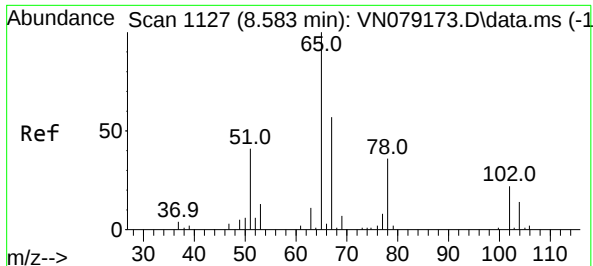
Delta R.T. 0.006 min

Lab File: VN079304.D

Acq: 19 Sep 2023 17:01

Tgt Ion: 56 Resp: 66286  
 Ion Ratio Lower Upper  
 56 100  
 89 0.0 0.0 0.0  
 84 88.6 71.1 106.7





#27  
1,2-Dichloroethane-d4  
Concen: 33.073 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. -0.001 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Instrument :

MSVOA\_N

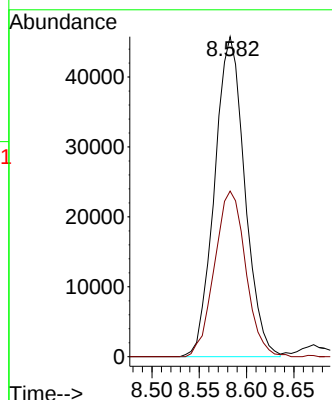
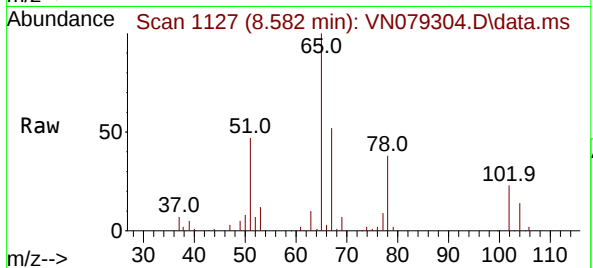
ClientSampleId :

VSTDCCC020EC

Tgt Ion: 65 Resp: 101600  
Ion Ratio Lower Upper  
65 100  
67 53.3 44.4 66.6

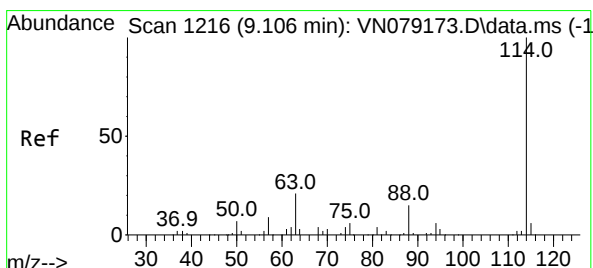
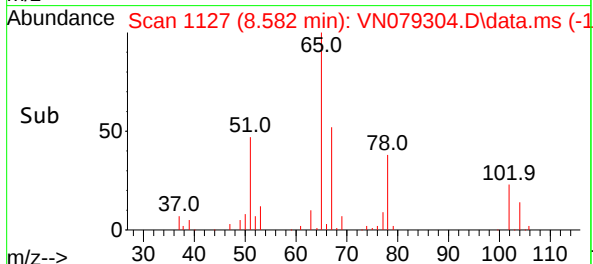
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone



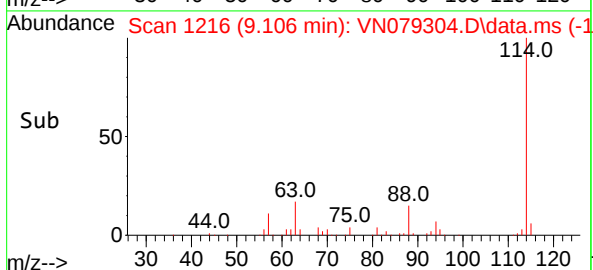
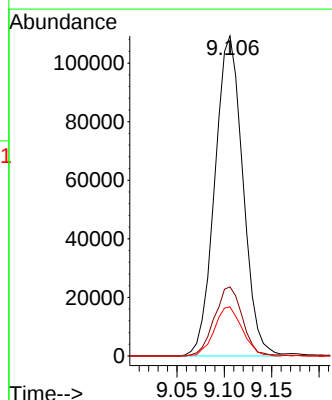
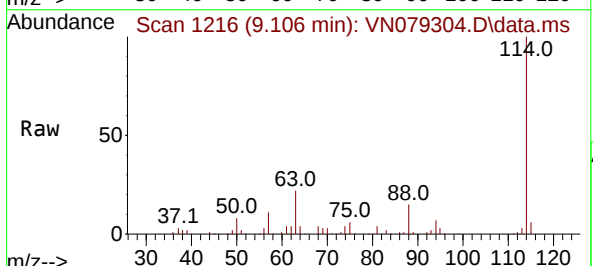
09/20/2023  
Supervised By :Mahesh  
Dadoda

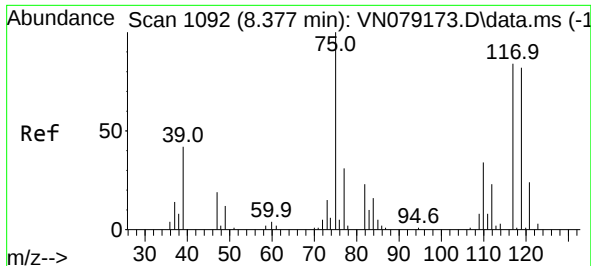
09/20/2023



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.106 min Scan# 1216  
Delta R.T. -0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Tgt Ion:114 Resp: 225265  
Ion Ratio Lower Upper  
114 100  
63 21.5 17.0 25.4  
88 15.2 12.8 19.2





#29

1,1-Dichloropropene

Concen: 18.624 ug/l

RT: 8.377 min Scan# 1092

Delta R.T. -0.000 min

Lab File: VN079304.D

Acq: 19 Sep 2023 17:01

Instrument :

MSVOA\_N

ClientSampleId :

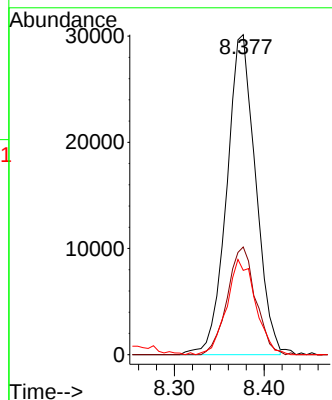
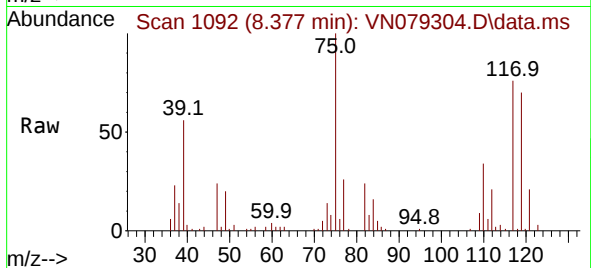
VSTDCCC020EC

Tgt Ion: 75 Resp: 67264

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 32.9  | 0.0   | 68.4  |
| 77  | 29.7  | 0.0   | 63.2  |

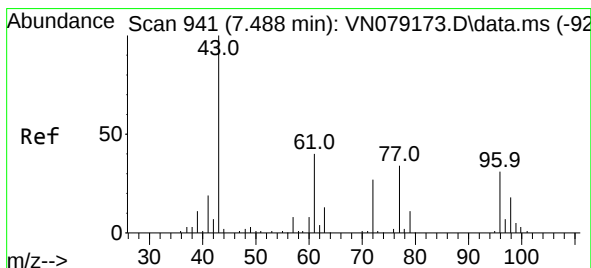
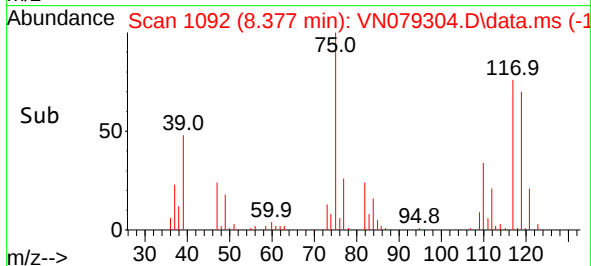
Manual Integrations  
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Reviewed By :John  
Carlone



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Supervised By :Mahesh  
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#30

2-Butanone

Concen: 90.058 ug/l

RT: 7.488 min Scan# 941

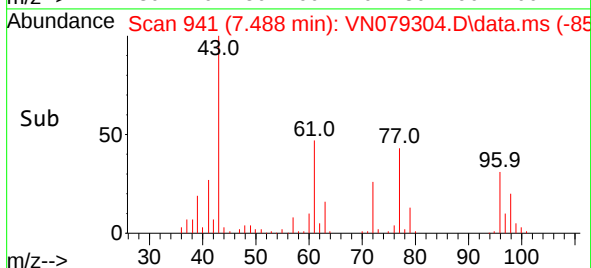
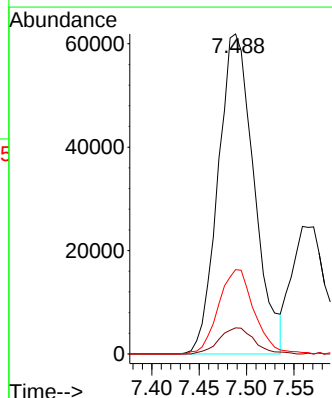
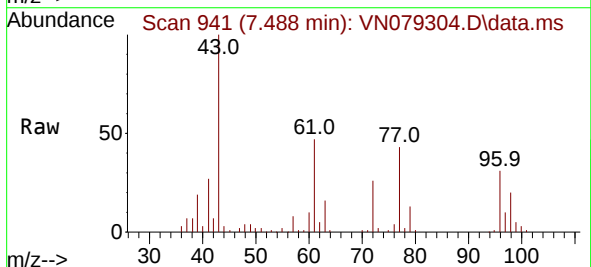
Delta R.T. 0.000 min

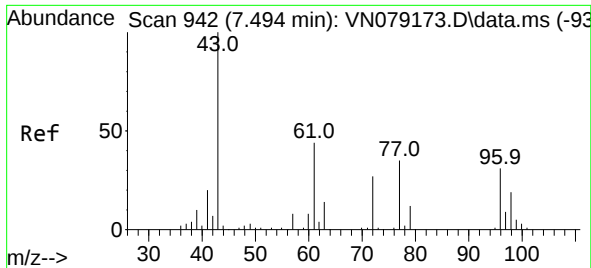
Lab File: VN079304.D

Acq: 19 Sep 2023 17:01

Tgt Ion: 43 Resp: 163600

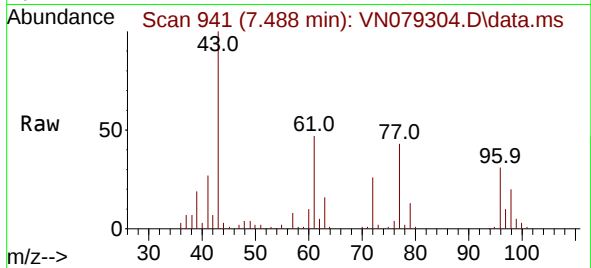
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 57  | 7.9   | 6.8   | 10.2  |
| 72  | 26.2  | 22.4  | 33.6  |





#31  
2,2-Dichloropropane  
Concen: 20.691 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. -0.006 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

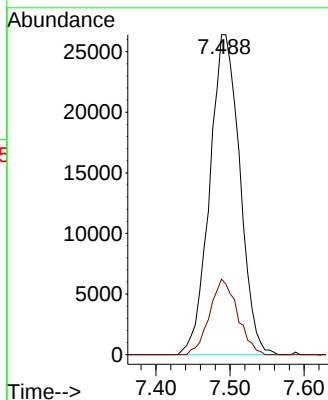
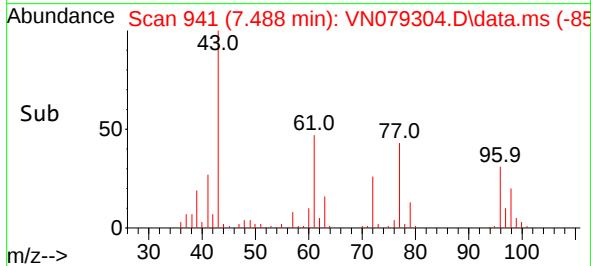
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 77 Resp: 7454  
Ion Ratio Lower Upper  
77 100  
97 21.9 17.8 26.8

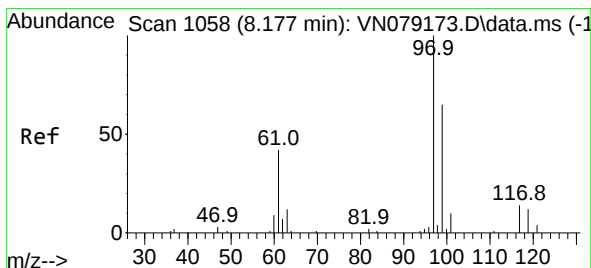
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone

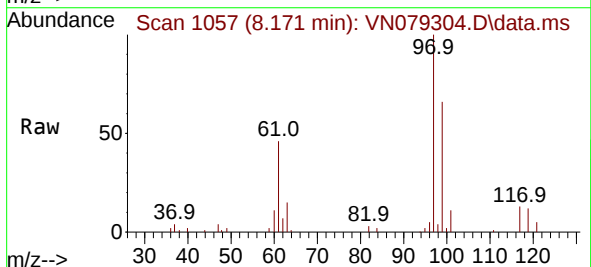


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Supervised By :Mahesh  
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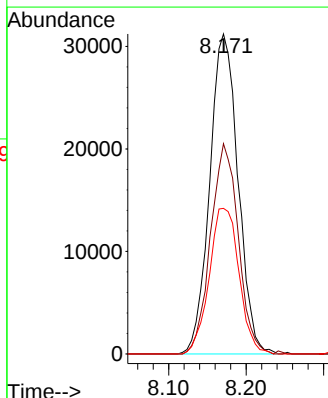
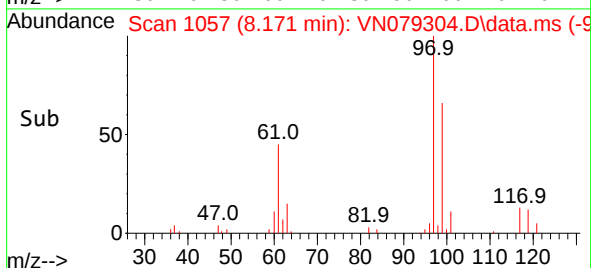
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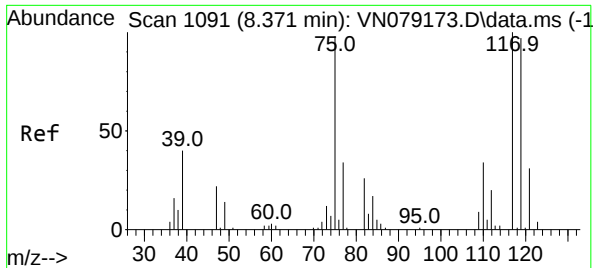


#32  
1,1,1-Trichloroethane  
Concen: 18.651 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. -0.006 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01



Tgt Ion: 97 Resp: 79359  
Ion Ratio Lower Upper  
97 100  
99 64.2 52.0 78.0  
61 47.9 33.4 50.0





#33  
Carbon Tetrachloride  
Concen: 18.345 ug/l  
RT: 8.365 min Scan# 1090  
Delta R.T. -0.006 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Instrument :

MSVOA\_N

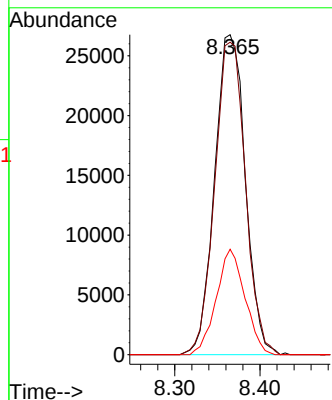
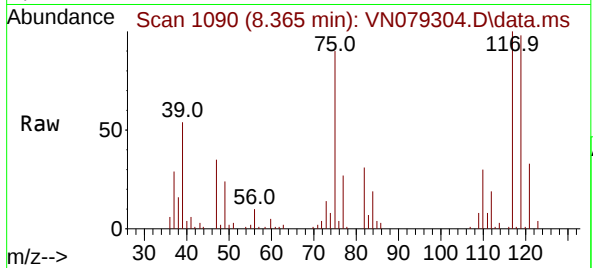
ClientSampleId :

VSTDCCC020EC

Tgt Ion: 117 Resp: 6705  
Ion Ratio Lower Upper  
117 100  
119 97.7 77.9 116.9  
121 32.9 25.1 37.7

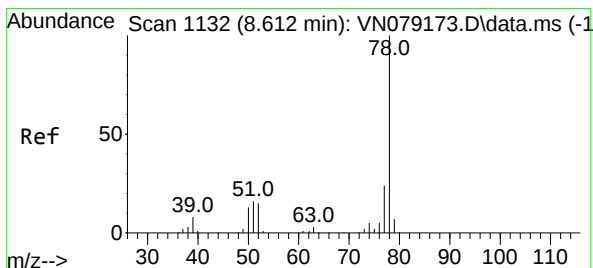
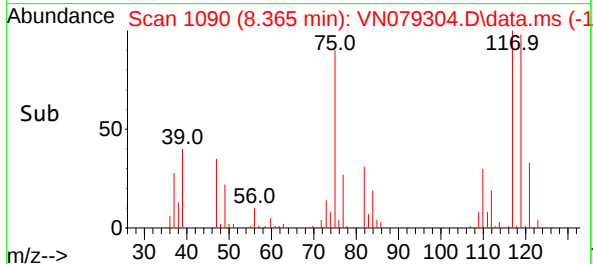
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone



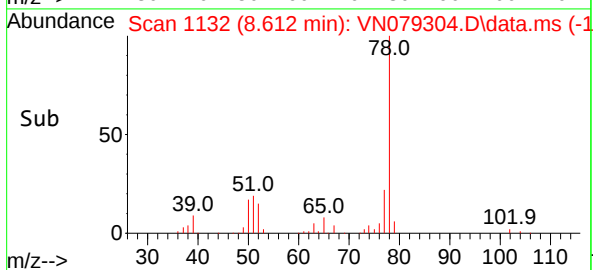
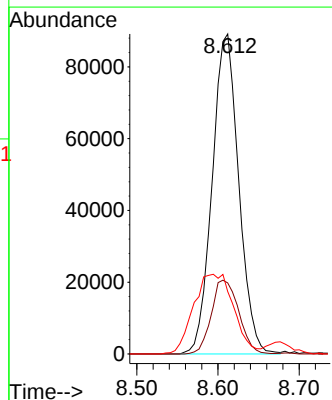
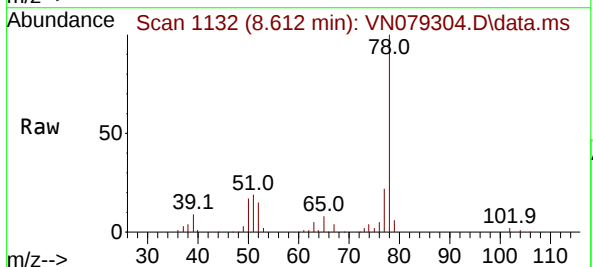
09/20/2023  
Supervised By :Mahesh  
Dadoda

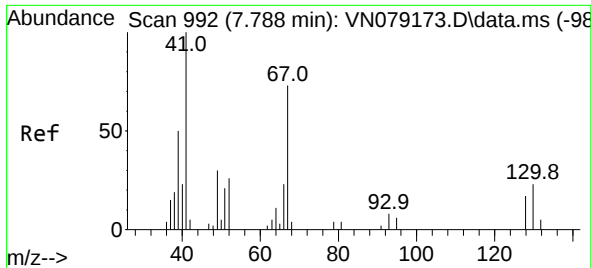
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#34  
Benzene  
Concen: 17.678 ug/l  
RT: 8.612 min Scan# 1132  
Delta R.T. -0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Tgt Ion: 78 Resp: 202857  
Ion Ratio Lower Upper  
78 100  
77 22.2 18.9 28.3  
51 16.3 13.1 19.7





#35  
Methacrylonitrile  
Concen: 18.340 ug/l  
RT: 7.777 min Scan# 992  
Delta R.T. -0.011 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Instrument :

MSVOA\_N

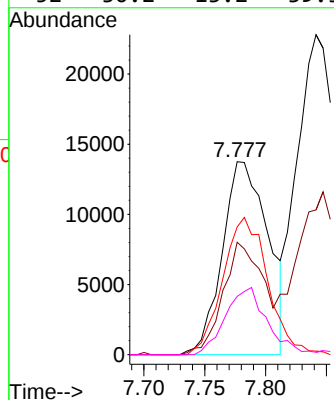
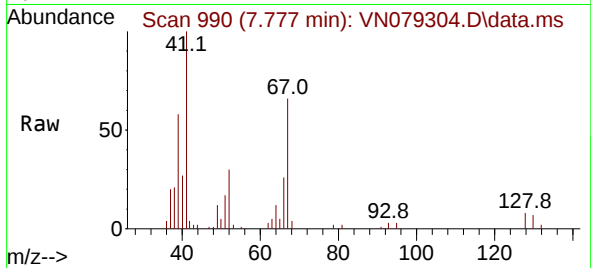
ClientSampleId :

VSTDCCC020EC

Tgt Ion: 41 Resp: 35872  
Ion Ratio Lower Upper  
41 100  
39 58.3 24.9 74.6  
67 66.2 36.7 110.1  
52 30.2 13.2 39.5

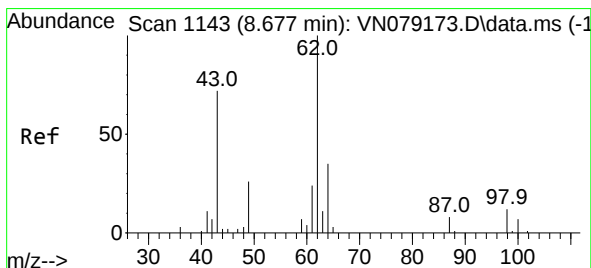
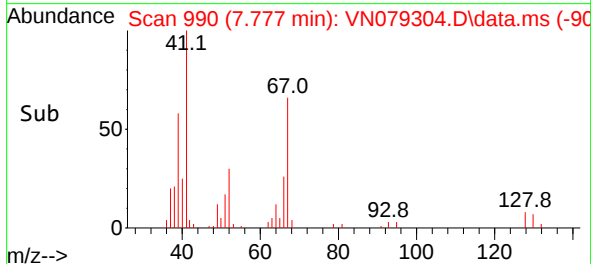
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone



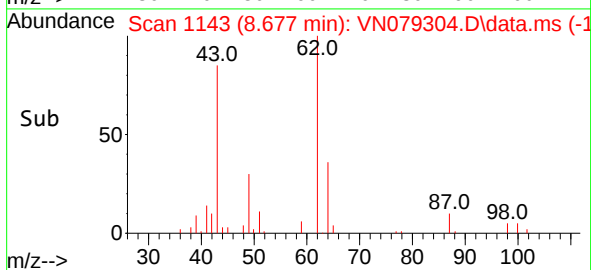
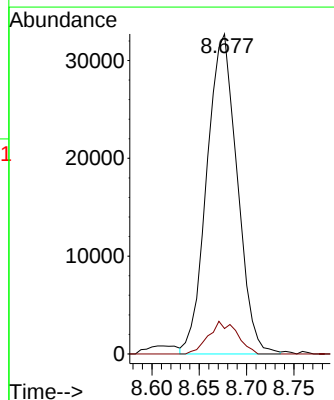
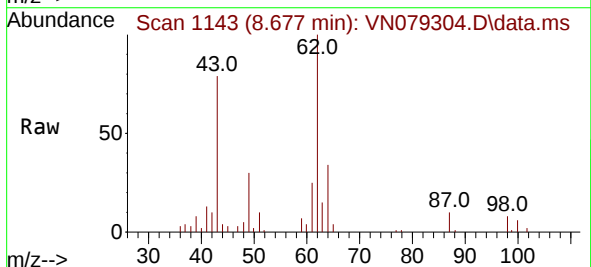
09/20/2023  
Supervised By :Mahesh  
Dadoda

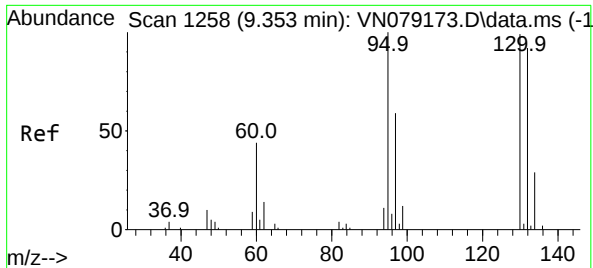
09/20/2023



#36  
1,2-Dichloroethane  
Concen: 19.295 ug/l  
RT: 8.677 min Scan# 1143  
Delta R.T. -0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Tgt Ion: 62 Resp: 73021  
Ion Ratio Lower Upper  
62 100  
98 5.7 8.2 12.2#





#37

Trichloroethene

Concen: 17.030 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN079304.D

Acq: 19 Sep 2023 17:01

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:130 Resp: 4619

Ion Ratio Lower Upper

130 100

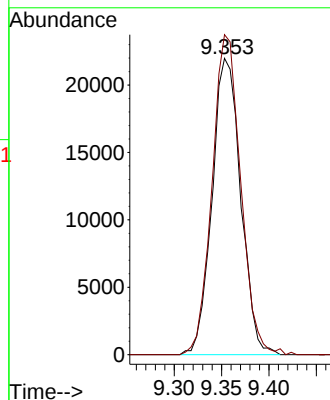
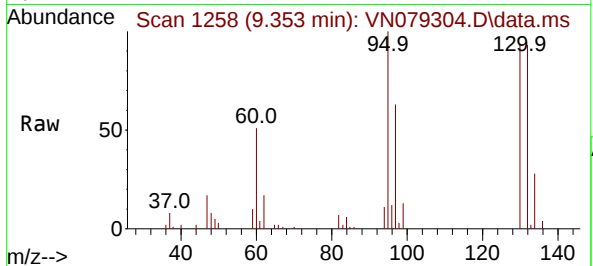
95 108.0 81.0 121.4

Manual Integrations

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Reviewed By :John

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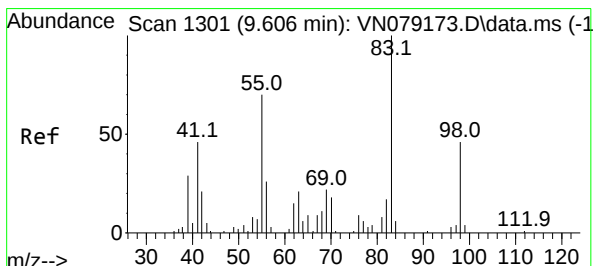
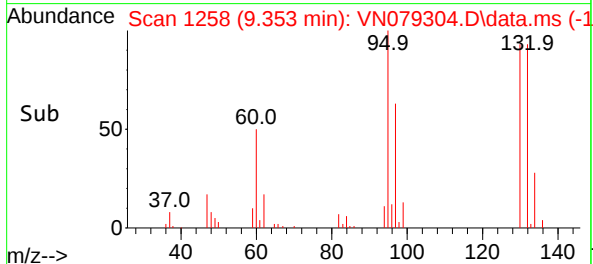


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09/20/2023



#38

Methylcyclohexane

Concen: 17.790 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. -0.000 min

Lab File: VN079304.D

Acq: 19 Sep 2023 17:01

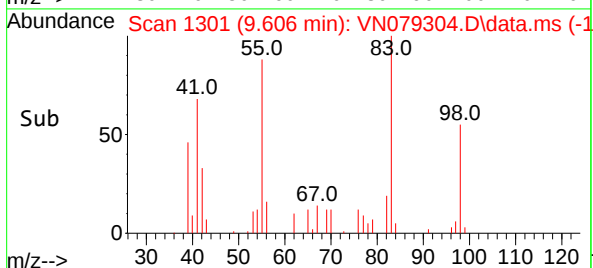
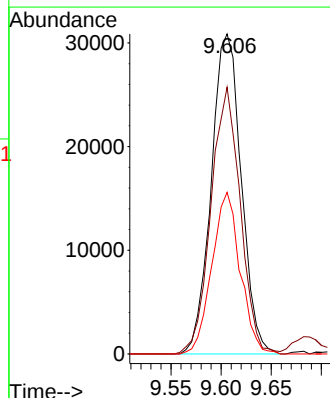
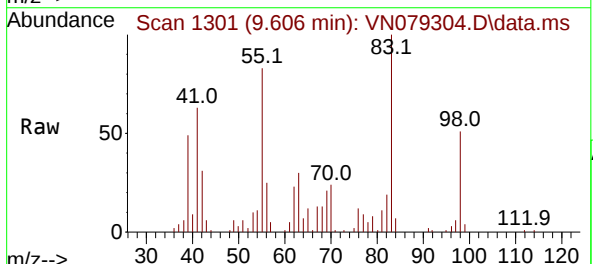
Tgt Ion: 83 Resp: 64234

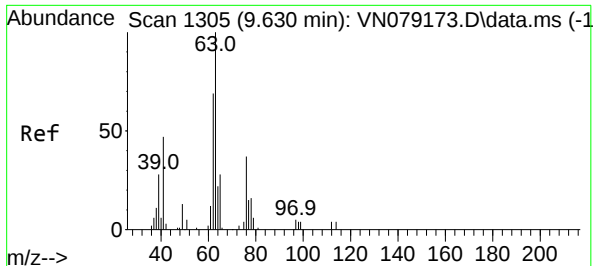
Ion Ratio Lower Upper

83 100

55 81.5 39.1 117.2

98 47.7 24.1 72.4





#39

1,2-Dichloropropane

Concen: 17.689 ug/l

RT: 9.624 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN079304.D

Acq: 19 Sep 2023 17:01

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 5235

Ion Ratio Lower Upper

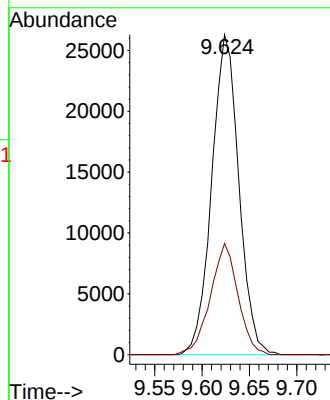
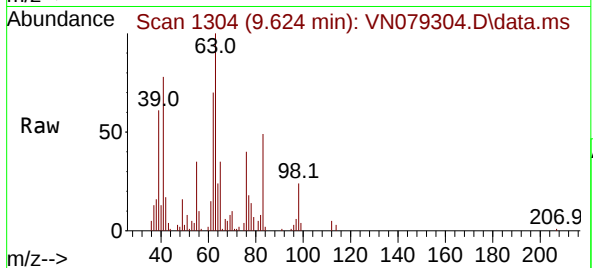
63 100

65 34.7 23.4 35.0

Manual Integrations

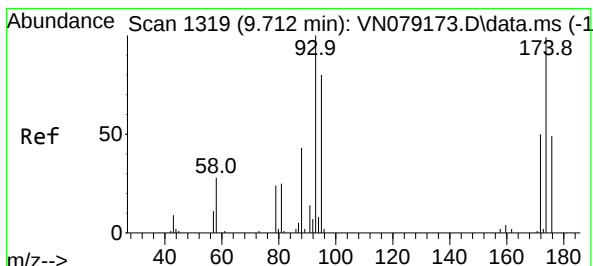
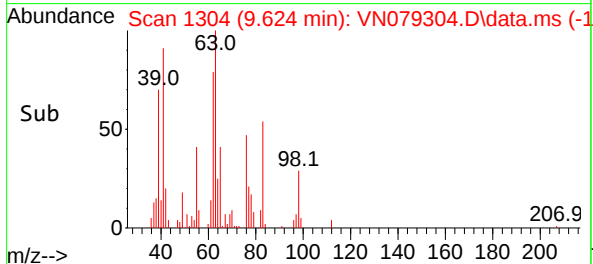
APPROVED

Reviewed By :John  
Carlone



09/20/2023  
Supervised By :Mahesh  
Dadoda

09/20/2023



#40

Dibromomethane

Concen: 18.520 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN079304.D

Acq: 19 Sep 2023 17:01

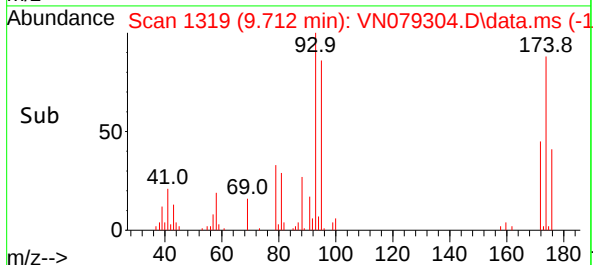
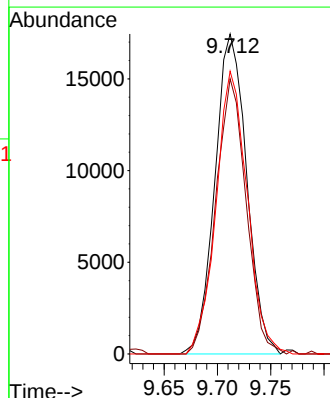
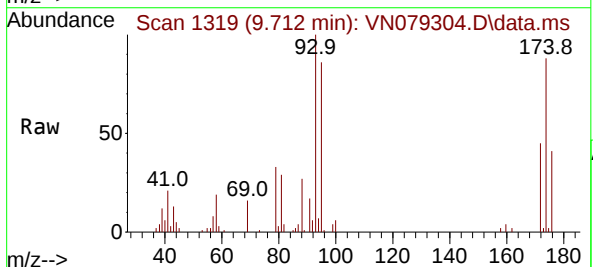
Tgt Ion: 93 Resp: 36151

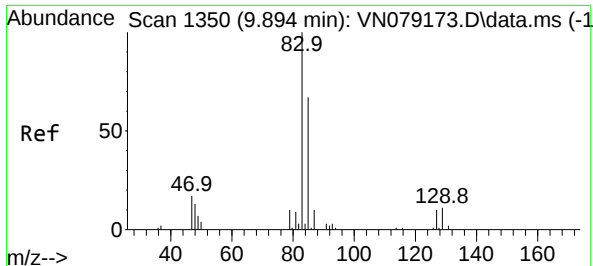
Ion Ratio Lower Upper

93 100

95 82.5 0.0 172.4

174 87.0 0.0 192.4





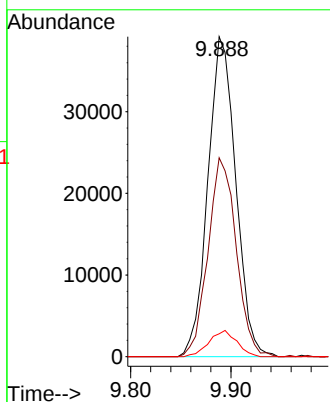
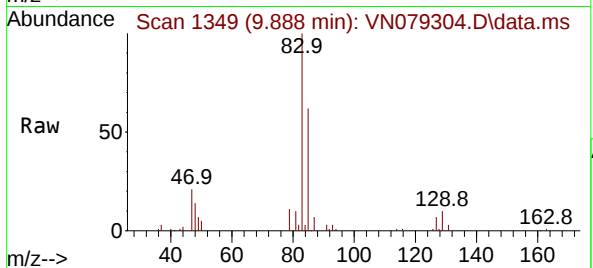
#41  
Bromodichloromethane  
Concen: 19.480 ug/l  
RT: 9.888 min Scan# 1349  
Delta R.T. -0.006 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 83 Resp: 75802  
Ion Ratio Lower Upper  
83 100  
85 62.1 53.4 80.2  
127 7.2 8.3 12.5

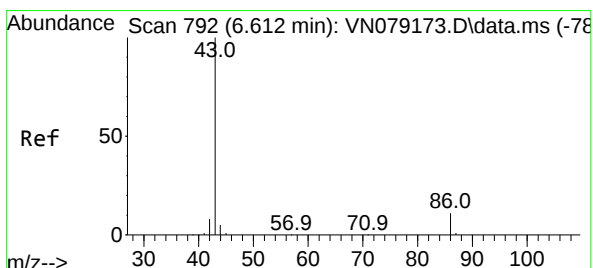
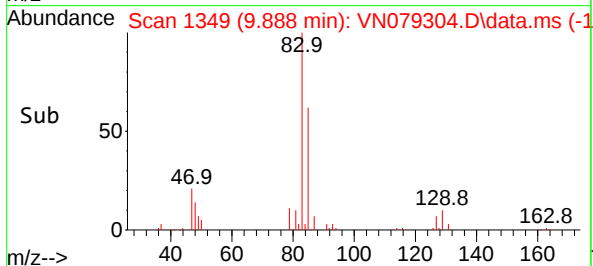
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone



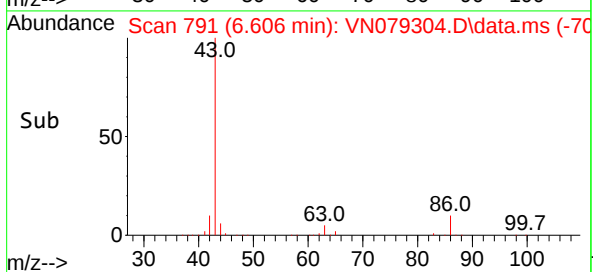
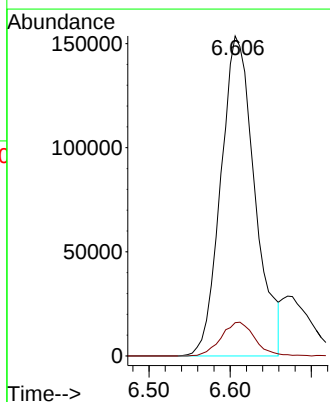
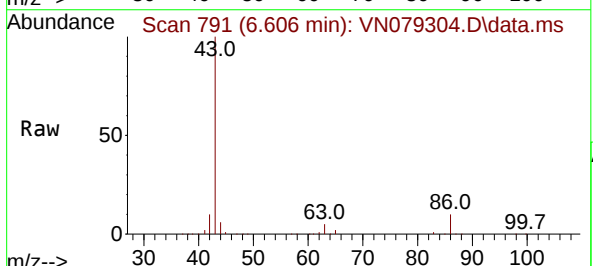
09/20/2023  
Supervised By :Mahesh  
Dadoda

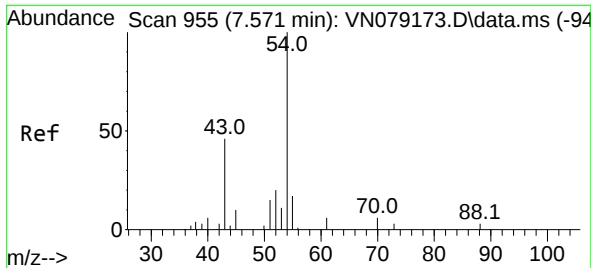
09/20/2023



#42  
Vinyl Acetate  
Concen: 103.908 ug/l  
RT: 6.606 min Scan# 791  
Delta R.T. -0.006 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

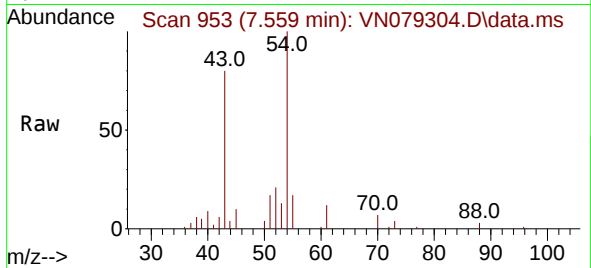
Tgt Ion: 43 Resp: 448283  
Ion Ratio Lower Upper  
43 100  
86 10.4 9.2 13.8





#43  
Ethyl Acetate  
Concen: 18.599 ug/l  
RT: 7.559 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

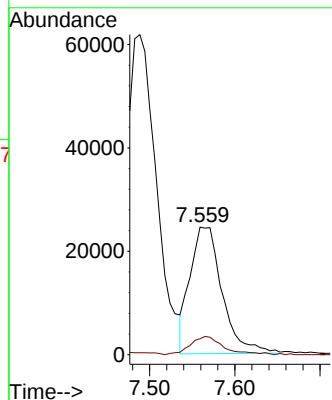
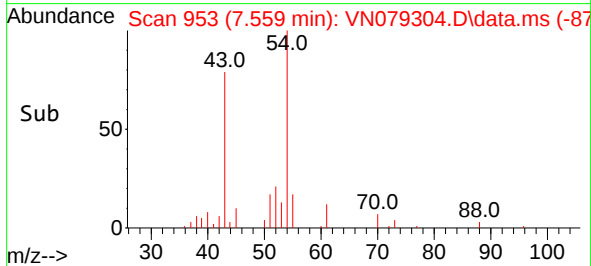
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 43 Resp: 64169  
Ion Ratio Lower Upper  
43 100  
45 14.5 11.1 16.7

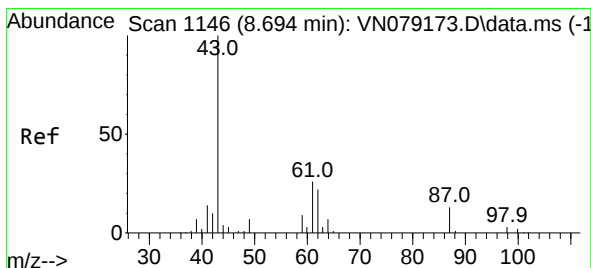
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone



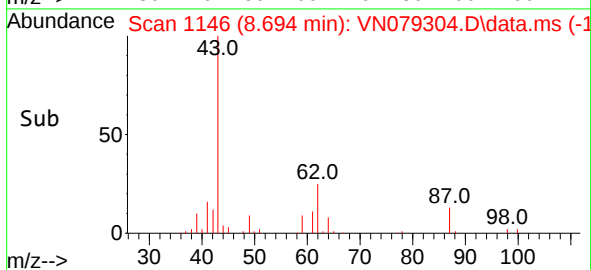
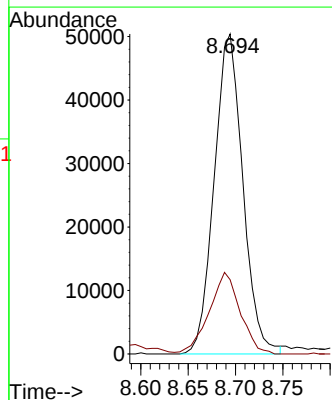
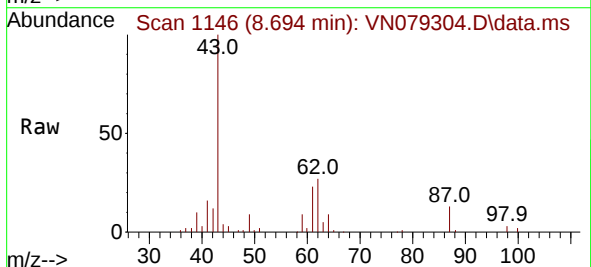
09/20/2023  
Supervised By :Mahesh  
Dadoda

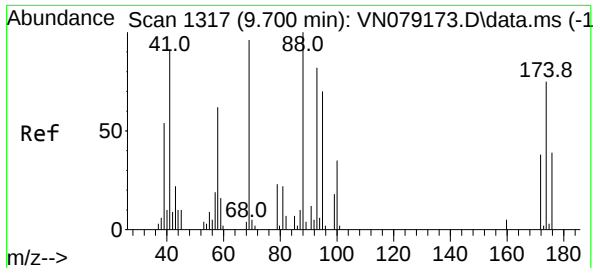
09/20/2023



#44  
Isopropyl Acetate  
Concen: 17.102 ug/l  
RT: 8.694 min Scan# 1146  
Delta R.T. 0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Tgt Ion: 43 Resp: 106143  
Ion Ratio Lower Upper  
43 100  
61 27.5 22.6 33.8





#45

1,4-Dioxane

Concen: 263.833 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.006 min

Lab File: VN079304.D

Acq: 19 Sep 2023 17:01

Instrument :

MSVOA\_N

ClientSampleId :

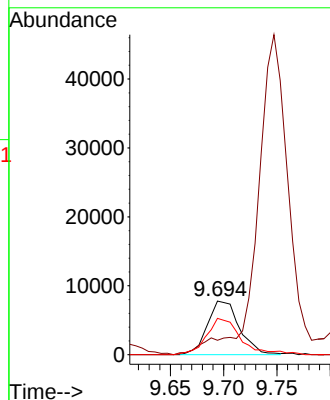
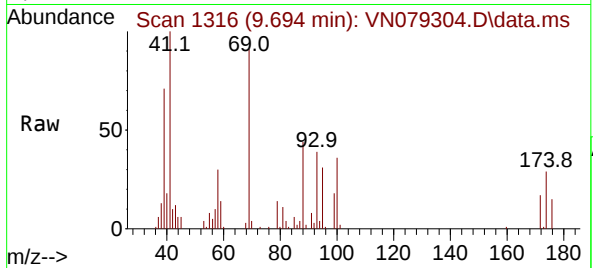
VSTDCCC020EC

Tgt Ion: 88 Resp: 16299

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 19.4  | 19.9  | 29.9  |
| 58  | 68.9  | 58.0  | 87.0  |

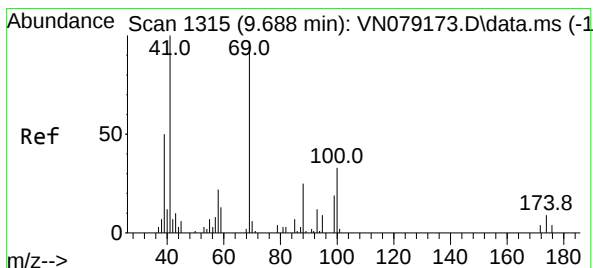
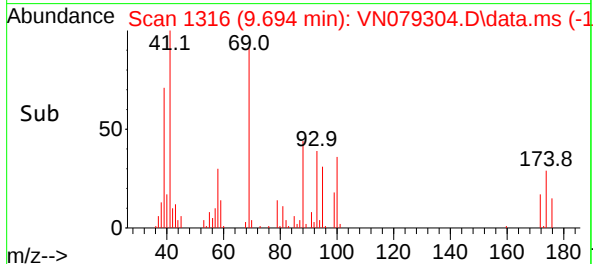
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone



09/20/2023  
Supervised By :Mahesh  
Dadoda

09/20/2023



#46

Methyl methacrylate

Concen: 17.497 ug/l

RT: 9.682 min Scan# 1314

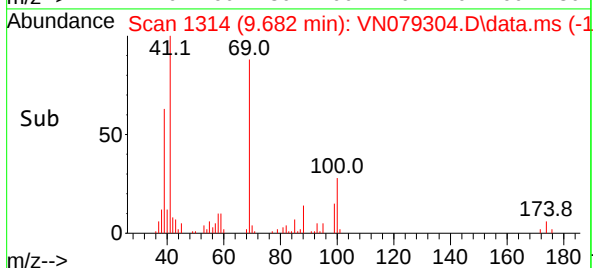
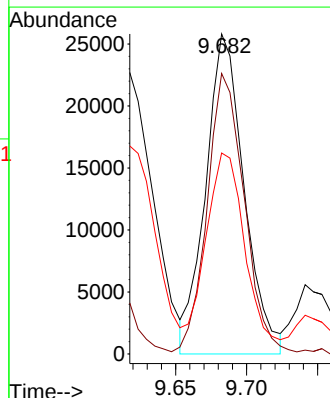
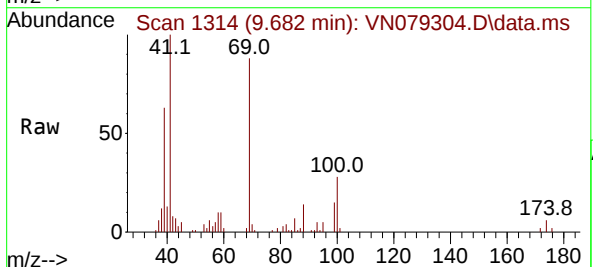
Delta R.T. -0.006 min

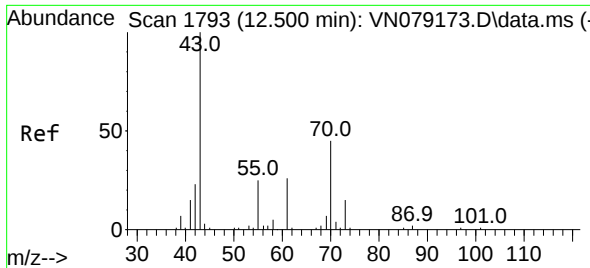
Lab File: VN079304.D

Acq: 19 Sep 2023 17:01

Tgt Ion: 41 Resp: 48517

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 69  | 91.3  | 48.1  | 144.3 |
| 39  | 62.3  | 25.8  | 77.3  |





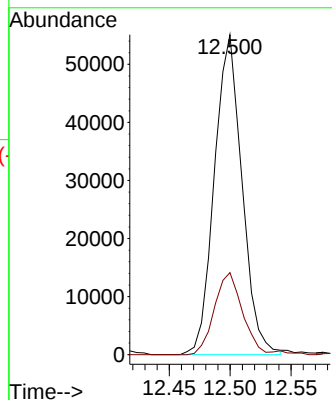
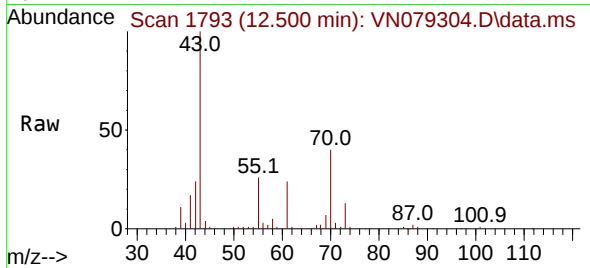
#47  
n-amy1 Acetate  
Concen: 19.958 ug/l  
RT: 12.500 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 43 Resp: 87112  
Ion Ratio Lower Upper  
43 100  
55 25.8 20.5 30.7

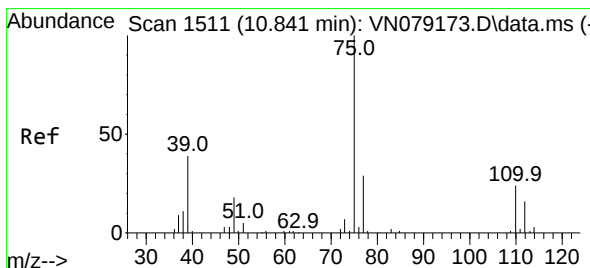
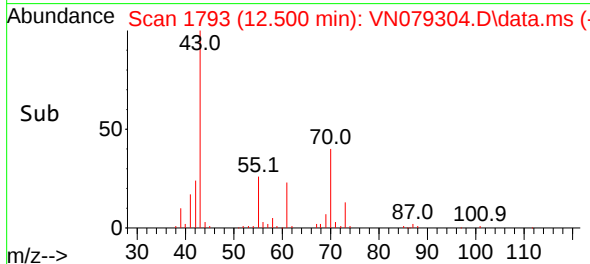
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone



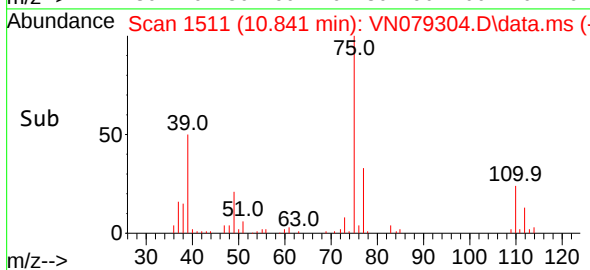
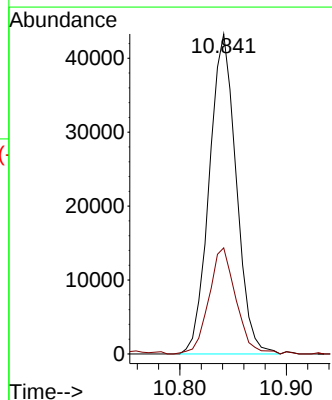
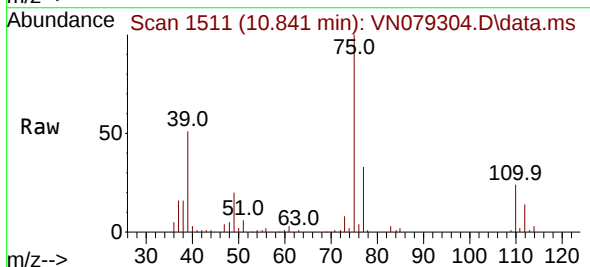
09/20/2023  
Supervised By :Mahesh  
Dadoda

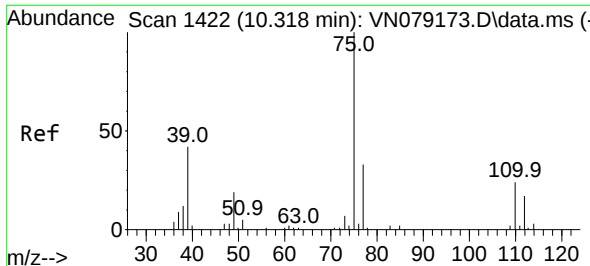
09/20/2023



#48  
t-1,3-Dichloropropene  
Concen: 18.082 ug/l  
RT: 10.841 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Tgt Ion: 75 Resp: 76123  
Ion Ratio Lower Upper  
75 100  
77 33.1 22.9 34.3





#49  
cis-1,3-Dichloropropene  
Concen: 18.327 ug/l  
RT: 10.318 min Scan# 1422  
Delta R.T. -0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Instrument :

MSVOA\_N

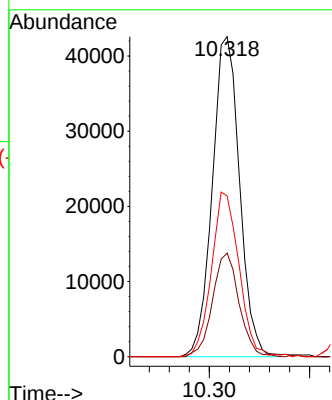
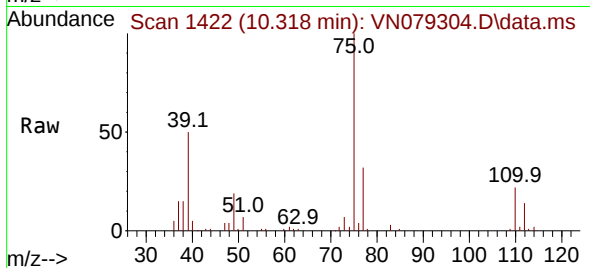
ClientSampleId :

VSTDCCC020EC

Tgt Ion: 75 Resp: 8047  
Ion Ratio Lower Upper  
75 100  
77 32.4 26.2 39.2  
39 50.2 33.8 50.8

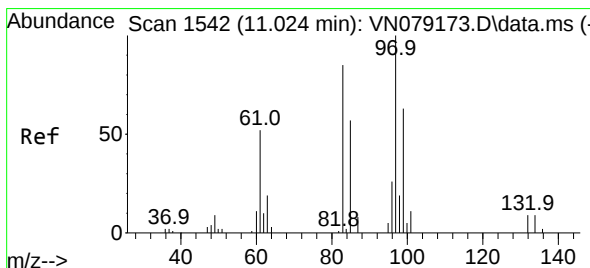
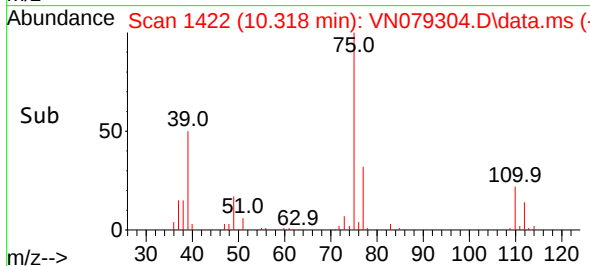
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone



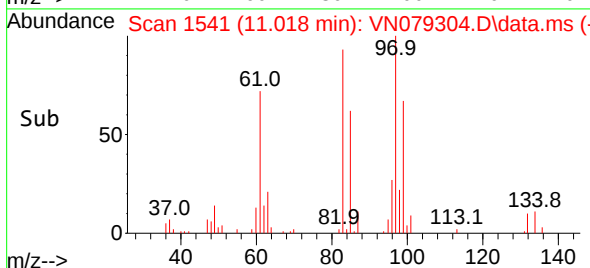
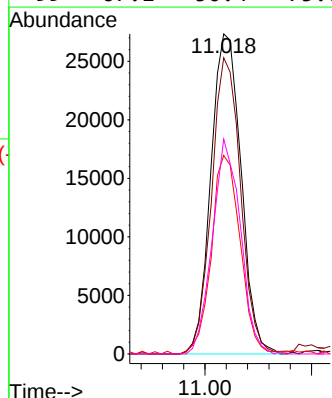
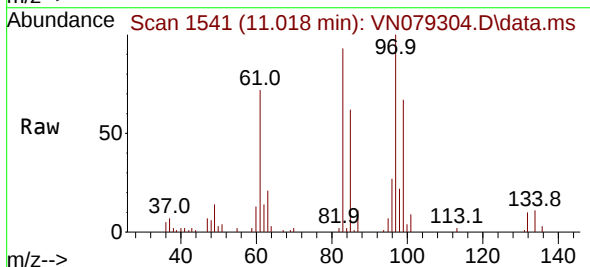
09/20/2023  
Supervised By :Mahesh  
Dadoda

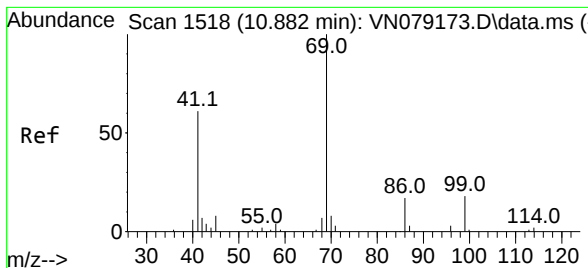
09/20/2023



#50  
1,1,2-Trichloroethane  
Concen: 19.637 ug/l  
RT: 11.018 min Scan# 1541  
Delta R.T. -0.006 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

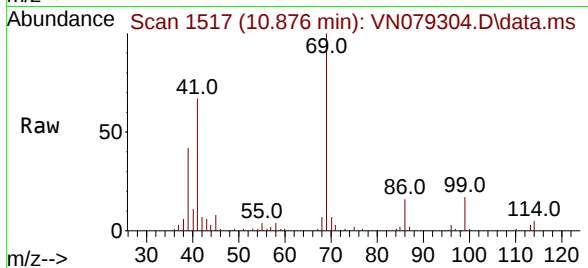
Tgt Ion: 97 Resp: 53775  
Ion Ratio Lower Upper  
97 100  
83 92.6 68.9 103.3  
85 62.0 45.3 67.9  
99 67.1 50.4 75.6





#51  
Ethyl methacrylate  
Concen: 16.781 ug/l  
RT: 10.876 min Scan# 1517  
Delta R.T. -0.006 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

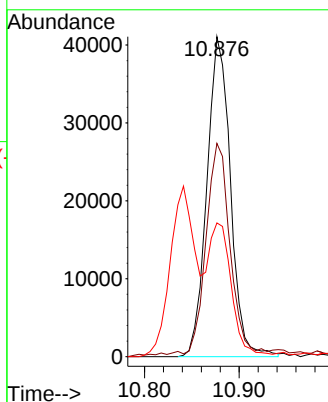
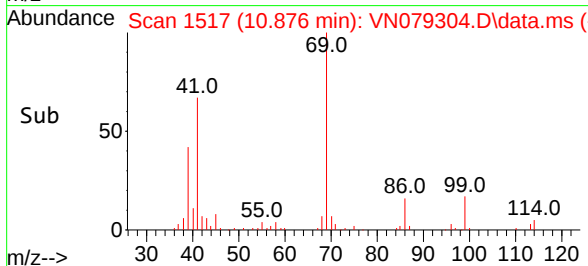
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 69 Resp: 70970  
Ion Ratio Lower Upper  
69 100  
41 65.0 30.3 90.9  
39 40.7 13.4 40.1

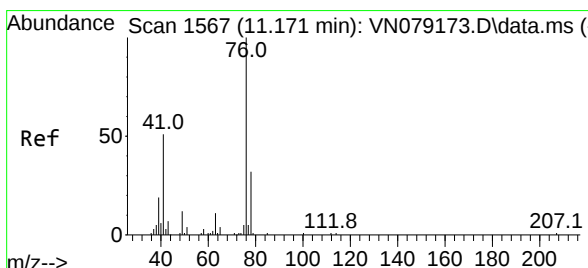
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone



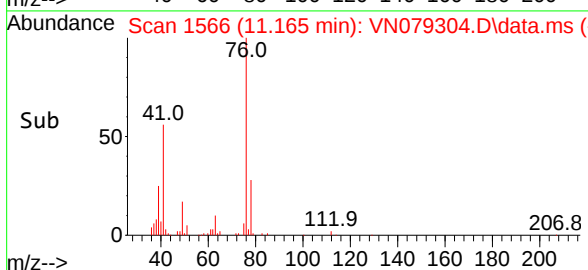
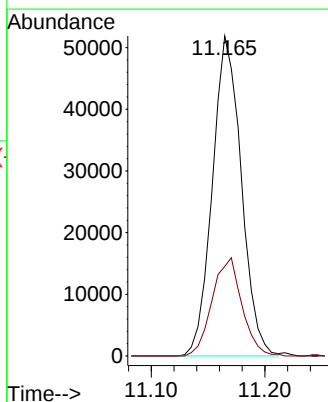
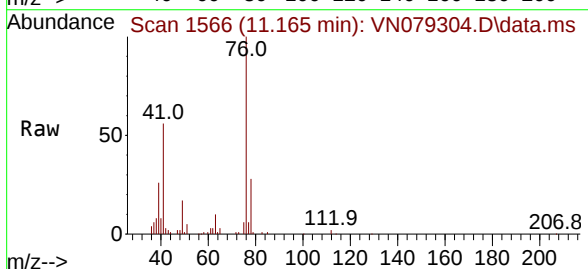
09/20/2023  
Supervised By :Mahesh  
Dadoda

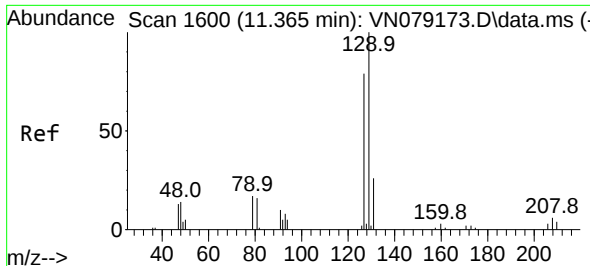
09/20/2023



#52  
1,3-Dichloropropane  
Concen: 19.627 ug/l  
RT: 11.165 min Scan# 1566  
Delta R.T. -0.006 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

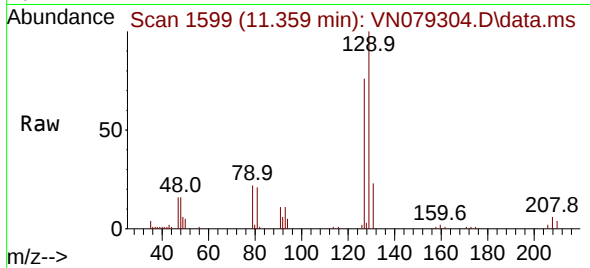
Tgt Ion: 76 Resp: 91758  
Ion Ratio Lower Upper  
76 100  
78 31.5 0.0 64.2





#53  
Dibromochloromethane  
Concen: 19.279 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. -0.006 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

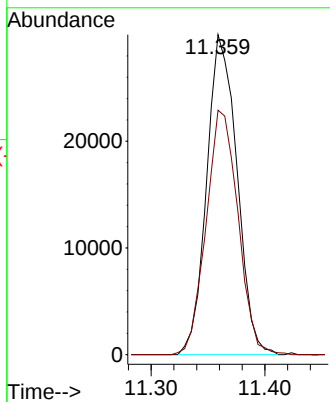
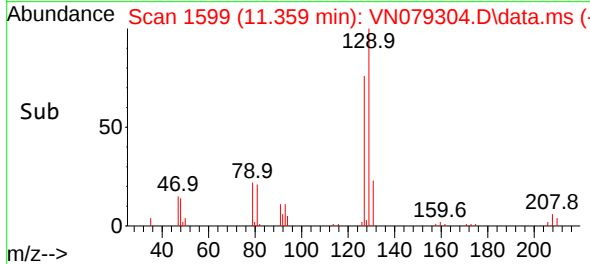
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:129 Resp: 5537  
Ion Ratio Lower Upper  
129 100  
127 80.7 38.7 116.1

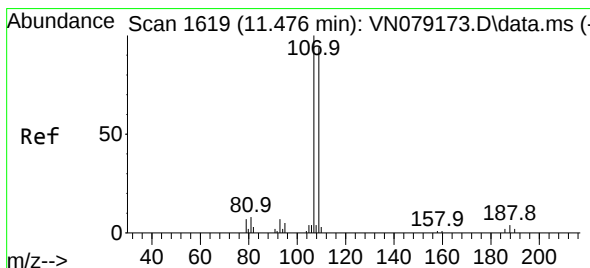
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone

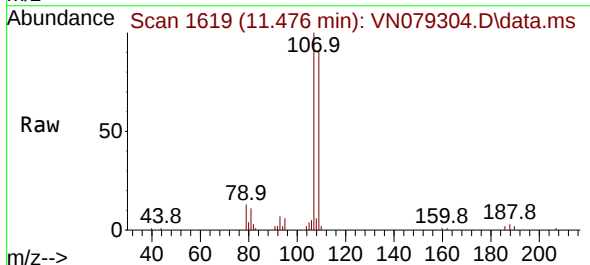


09/20/2023  
Supervised By :Mahesh  
Dadoda

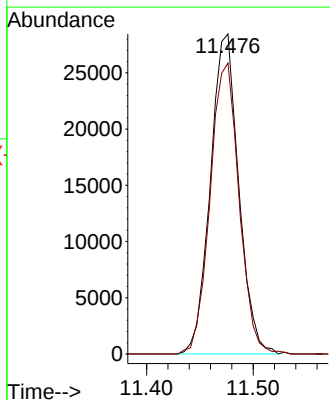
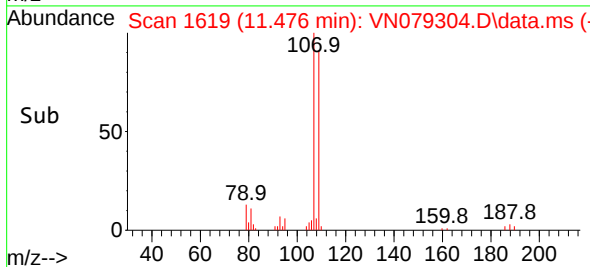
09/20/2023

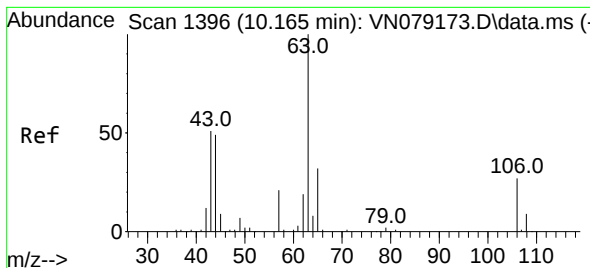


#54  
1,2-Dibromoethane  
Concen: 18.895 ug/l  
RT: 11.476 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01



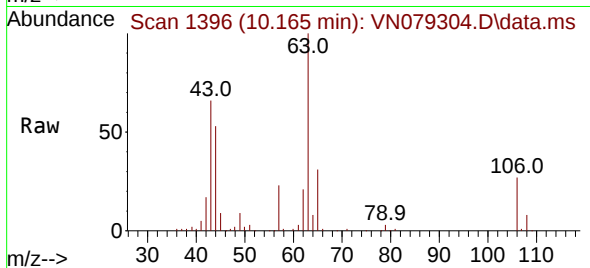
Tgt Ion:107 Resp: 52543  
Ion Ratio Lower Upper  
107 100  
109 92.4 76.4 114.6





#55  
2-Chloroethyl vinyl ether  
Concen: 82.153 ug/l  
RT: 10.165 min Scan# 1396  
Delta R.T. -0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

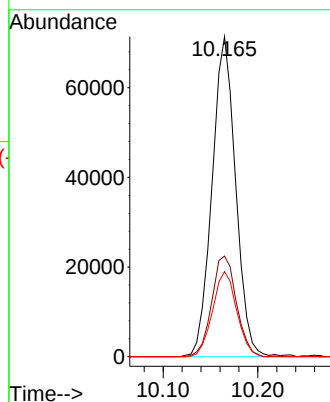
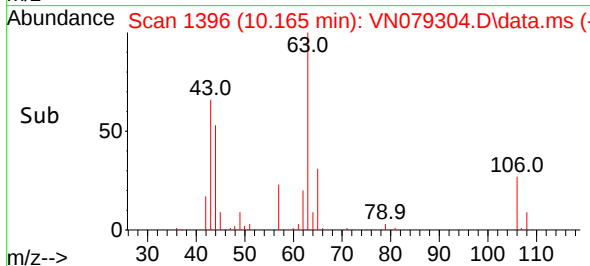
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 63 Resp: 123454  
Ion Ratio Lower Upper  
63 100  
65 32.8 25.7 38.5  
106 27.2 21.9 32.9

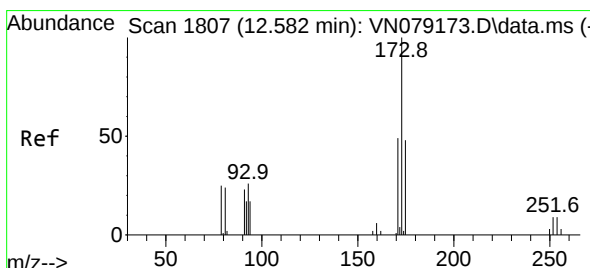
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone



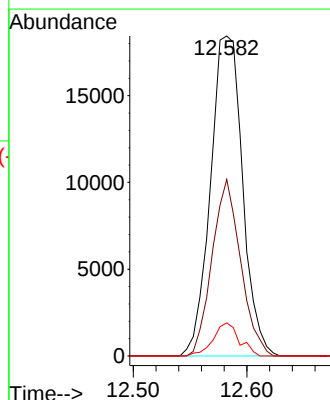
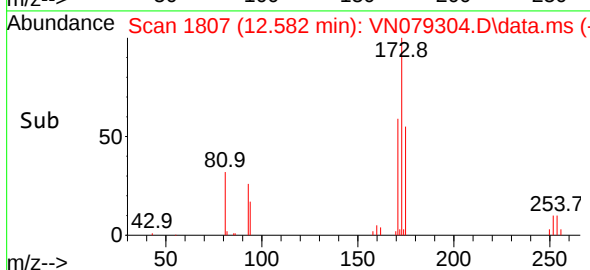
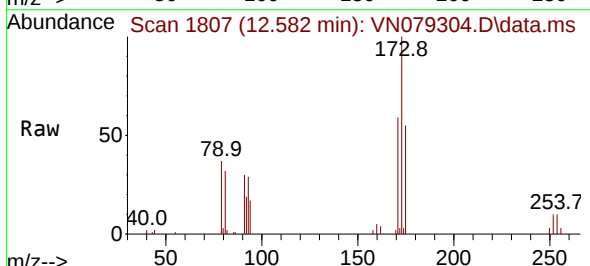
09/20/2023  
Supervised By :Mahesh  
Dadoda

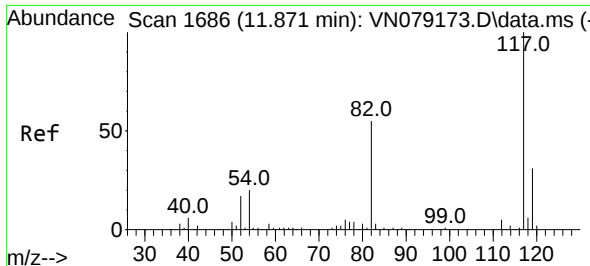
09/20/2023



#56  
Bromoform  
Concen: 18.102 ug/l  
RT: 12.582 min Scan# 1807  
Delta R.T. 0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Tgt Ion:173 Resp: 36229  
Ion Ratio Lower Upper  
173 100  
175 49.0 37.6 56.4  
254 8.4 7.8 11.8





#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.871 min Scan# 117  
Delta R.T. -0.001 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Instrument :

MSVOA\_N

ClientSampleId :

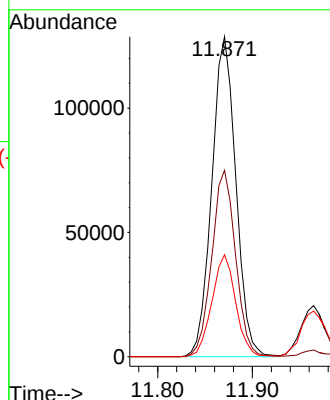
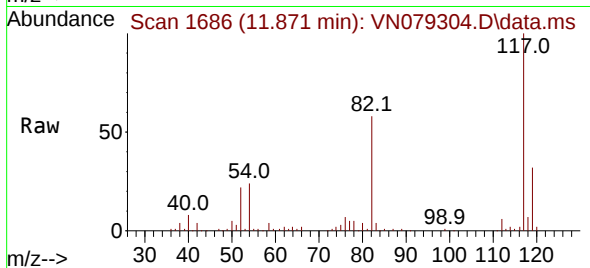
VSTDCCC020EC

Tgt Ion:117 Resp: 227030  
Ion Ratio Lower Upper  
117 100  
82 57.7 44.7 67.1  
119 31.5 24.9 37.3

Manual Integrations

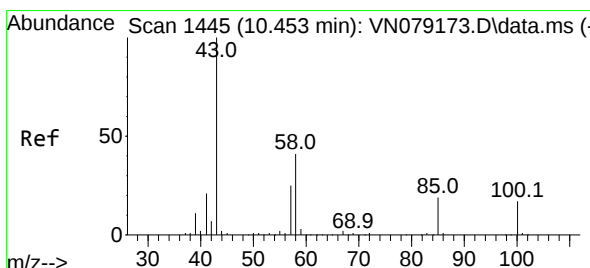
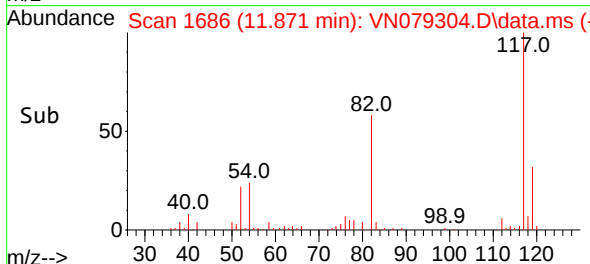
APPROVED

Reviewed By :John  
Carlone



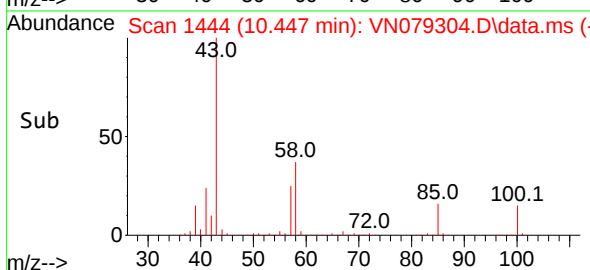
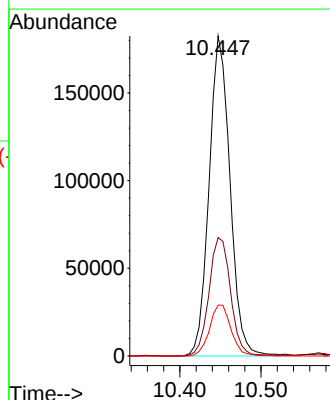
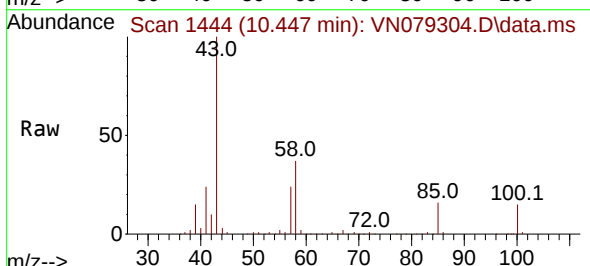
09/20/2023  
Supervised By :Mahesh  
Dadoda

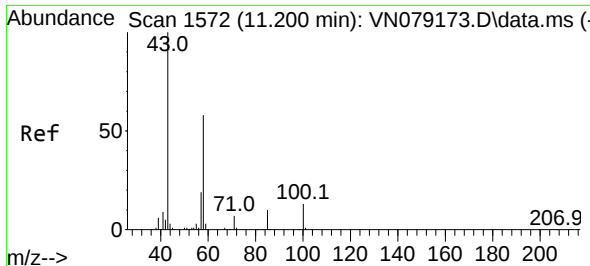
09/20/2023



#58  
4-Methyl-2-Pentanone  
Concen: 78.504 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. -0.006 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

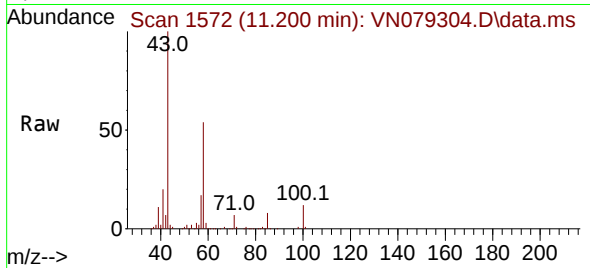
Tgt Ion: 43 Resp: 327068  
Ion Ratio Lower Upper  
43 100  
58 38.1 33.6 50.4  
85 16.3 15.0 22.4





#59  
2-Hexanone  
Concen: 85.049 ug/l  
RT: 11.200 min Scan# 1572  
Delta R.T. -0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

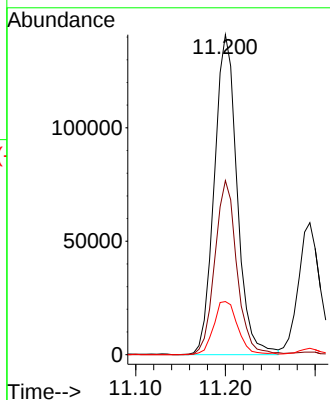
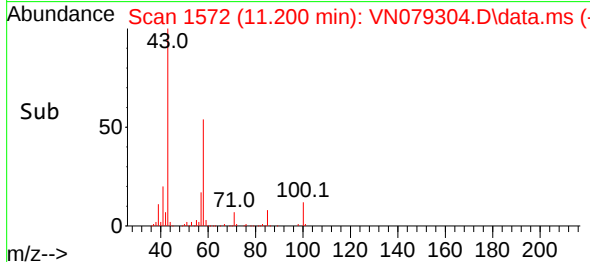
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 43 Resp: 24884  
Ion Ratio Lower Upper  
43 100  
58 52.6 46.4 69.6  
57 17.5 15.3 22.9

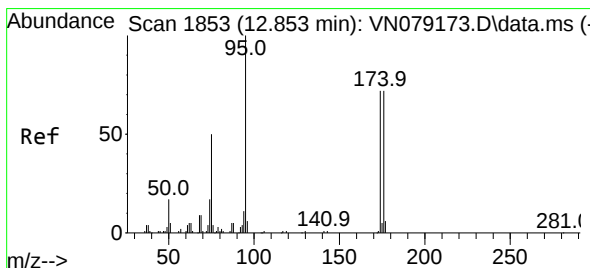
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone



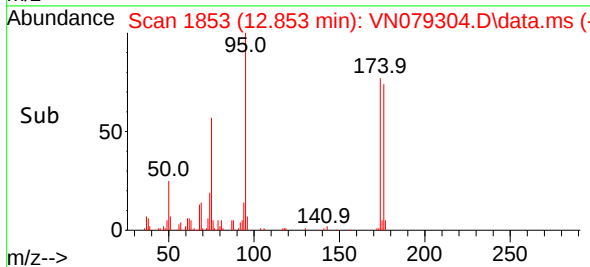
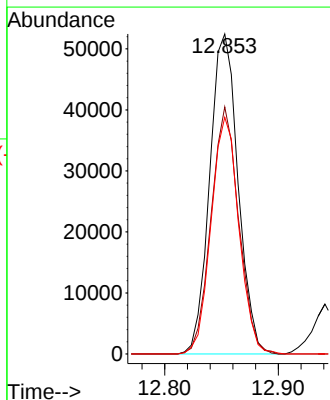
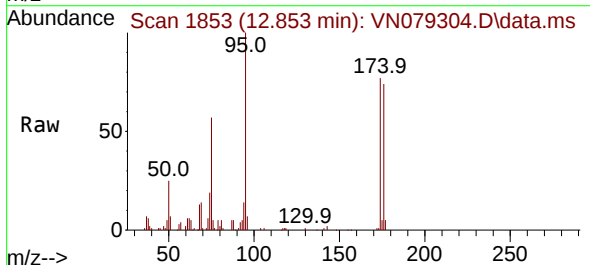
09/20/2023  
Supervised By :Mahesh  
Dadoda

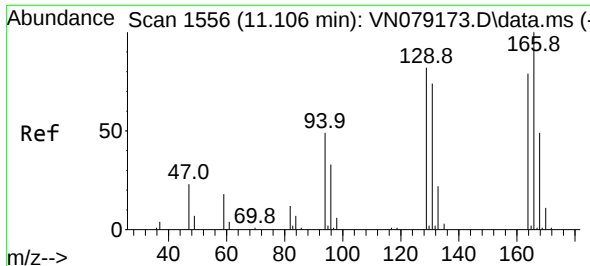
09/20/2023



#60  
4-Bromofluorobenzene  
Concen: 27.234 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

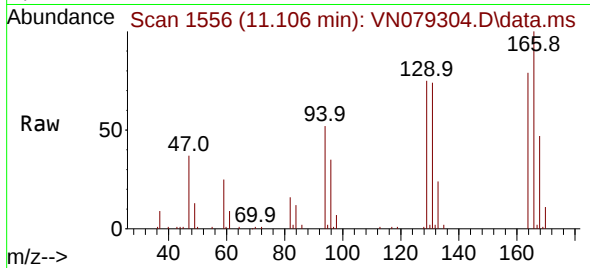
Tgt Ion: 95 Resp: 91106  
Ion Ratio Lower Upper  
95 100  
174 75.1 59.5 89.3  
176 72.4 59.1 88.7





#61  
Tetrachloroethene  
Concen: 18.070 ug/l  
RT: 11.106 min Scan# 1556  
Delta R.T. -0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

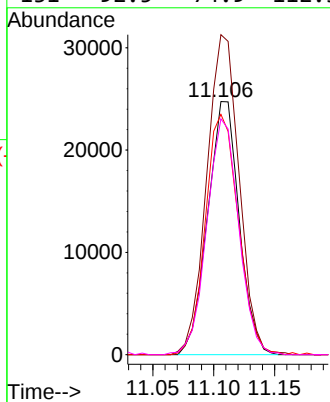
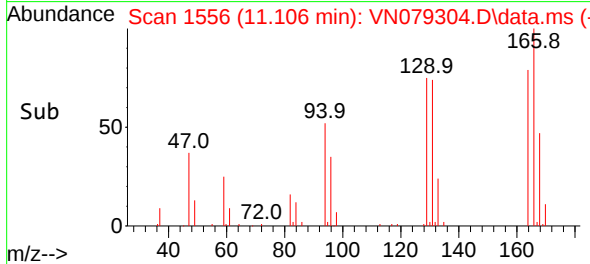
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:164 Resp: 44639  
Ion Ratio Lower Upper  
164 100  
166 125.6 101.9 152.9  
129 94.3 83.4 125.0  
131 92.5 74.9 112.3

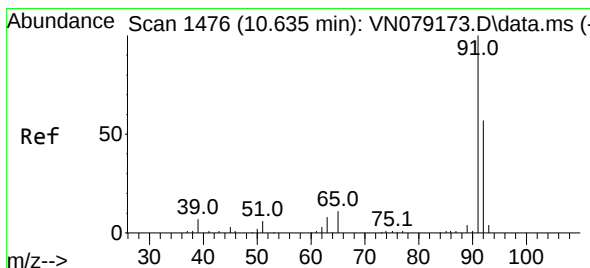
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone

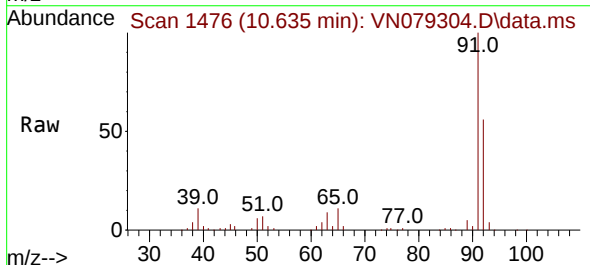


09/20/2023  
Supervised By :Mahesh  
Dadoda

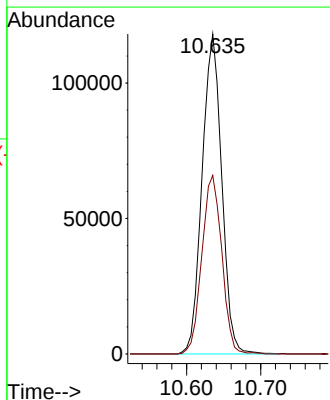
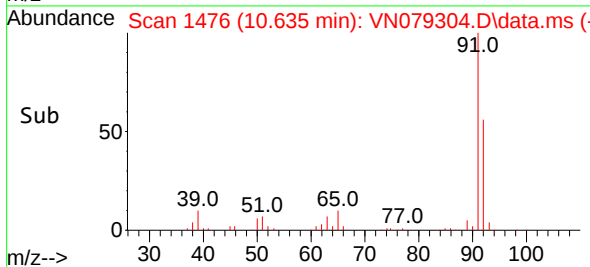
09/20/2023

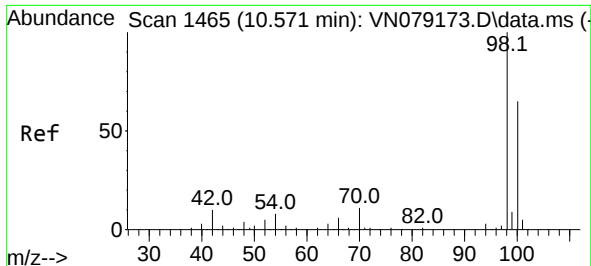


#62  
Toluene  
Concen: 16.414 ug/l  
RT: 10.635 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01



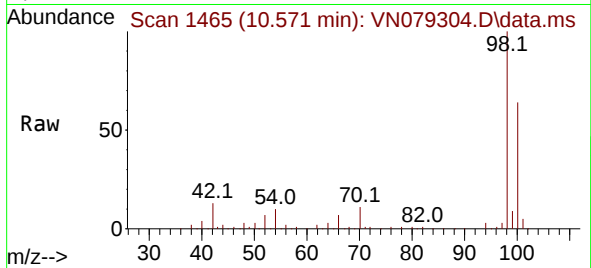
Tgt Ion: 91 Resp: 216983  
Ion Ratio Lower Upper  
91 100  
92 56.5 45.7 68.5





#63  
Toluene-d8  
Concen: 28.287 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

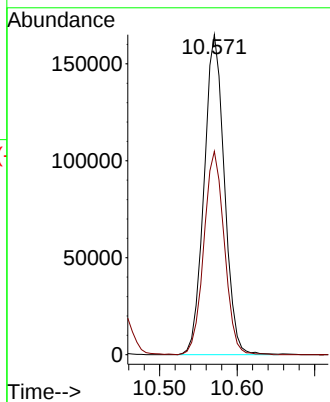
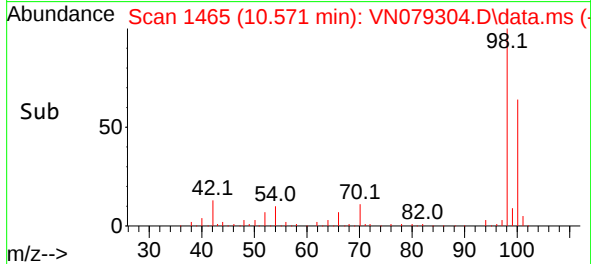
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 98 Resp: 300129  
Ion Ratio Lower Upper  
98 100  
100 64.0 52.5 78.7

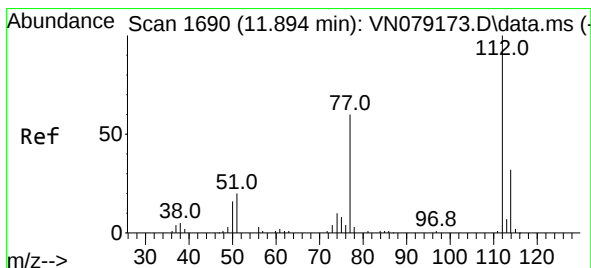
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone



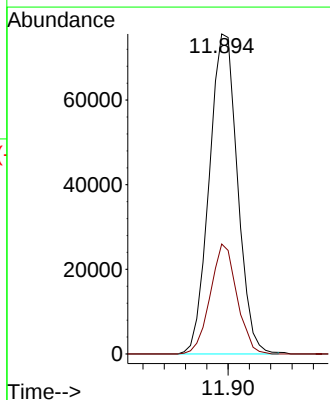
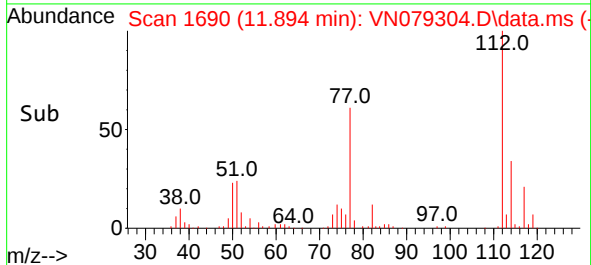
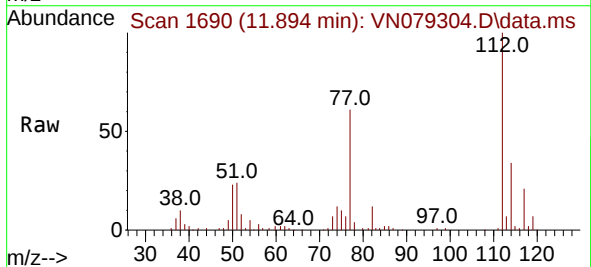
09/20/2023  
Supervised By :Mahesh  
Dadoda

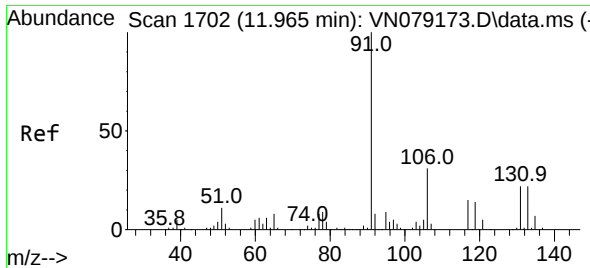
09/20/2023



#64  
Chlorobenzene  
Concen: 18.083 ug/l  
RT: 11.894 min Scan# 1690  
Delta R.T. 0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Tgt Ion:112 Resp: 139455  
Ion Ratio Lower Upper  
112 100  
114 34.4 25.6 38.4





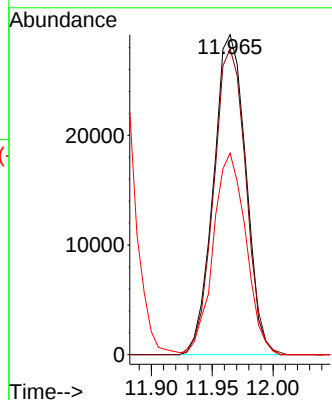
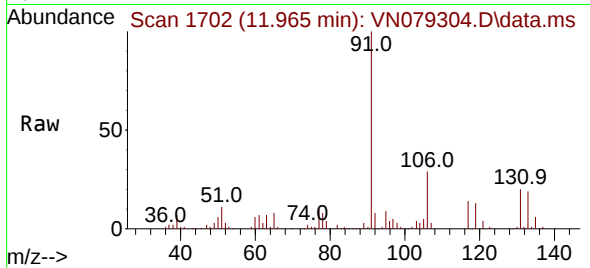
#65  
1,1,1,2-Tetrachloroethane  
Concen: 18.244 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. -0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:131 Resp: 53864  
Ion Ratio Lower Upper  
131 100  
133 95.6 0.0 193.0  
119 63.6 0.0 131.2

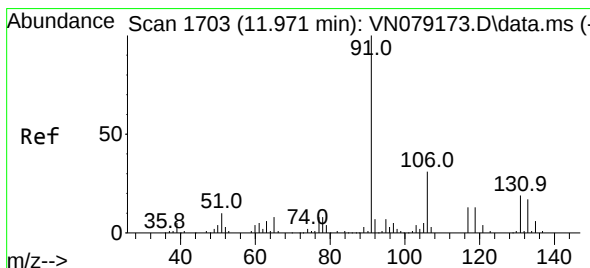
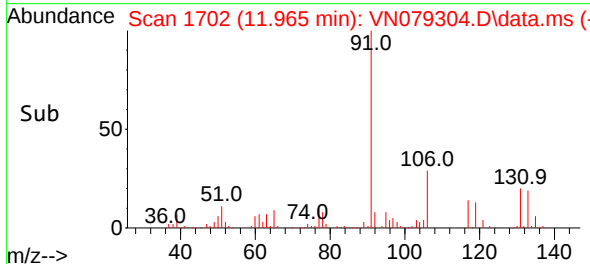
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone



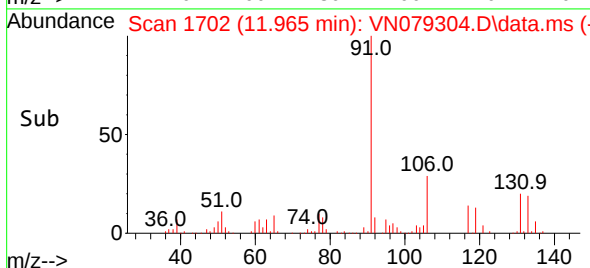
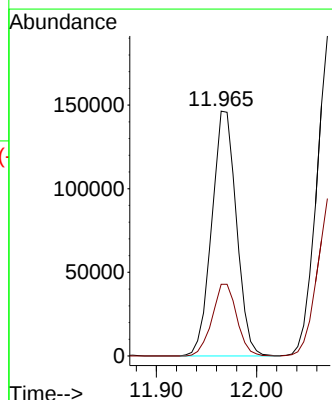
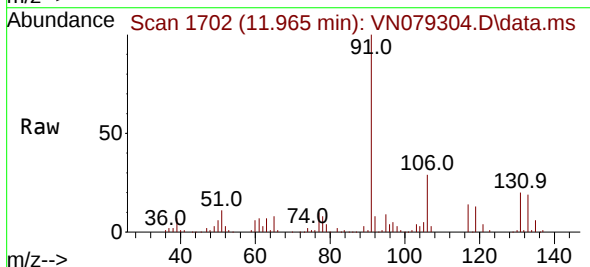
09/20/2023  
Supervised By :Mahesh  
Dadoda

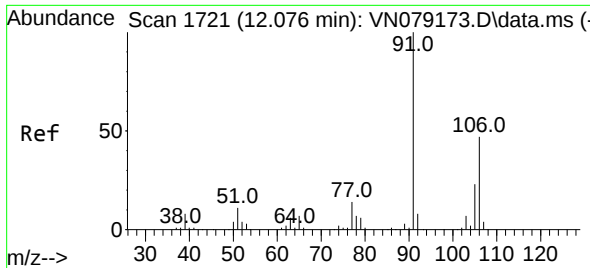
09/20/2023



#66  
Ethyl Benzene  
Concen: 18.821 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. -0.006 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Tgt Ion: 91 Resp: 250504  
Ion Ratio Lower Upper  
91 100  
106 29.3 25.0 37.6





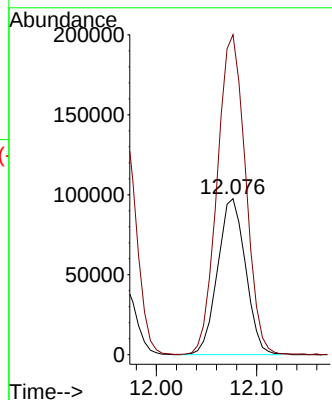
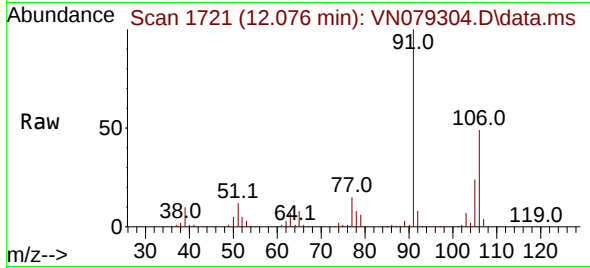
#67  
m/p-Xylenes  
Concen: 37.662 ug/l  
RT: 12.076 min Scan# 1721  
Delta R.T. 0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:106 Resp: 188619  
Ion Ratio Lower Upper  
106 100  
91 208.0 165.2 247.8

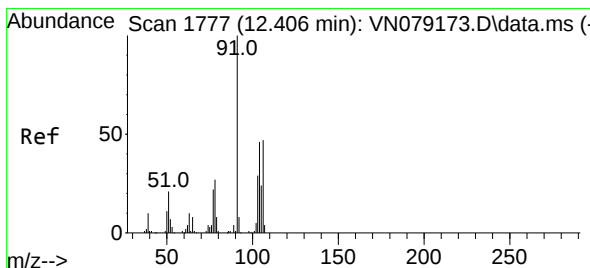
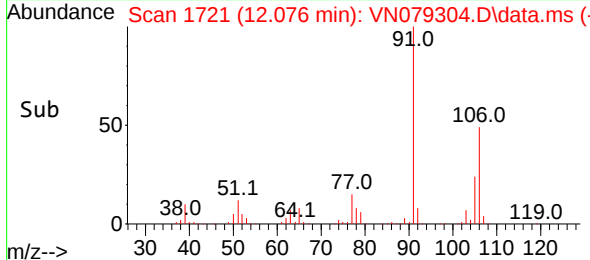
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone



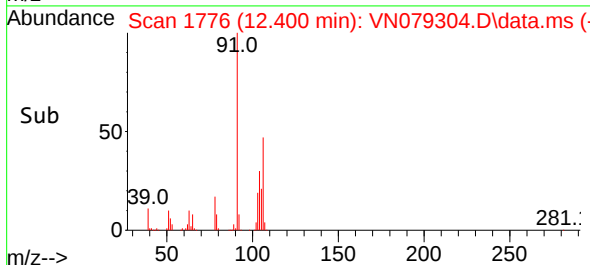
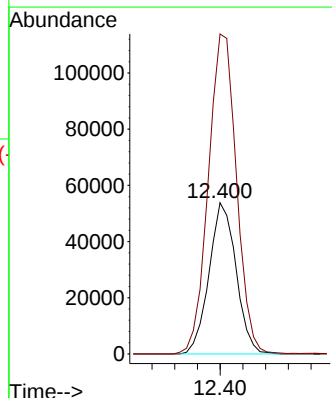
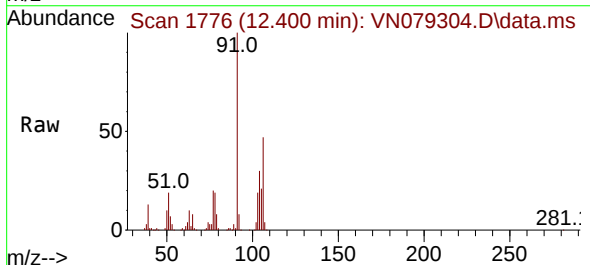
09/20/2023  
Supervised By :Mahesh  
Dadoda

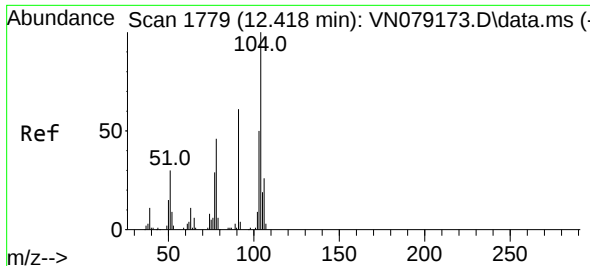
09/20/2023



#68  
o-Xylene  
Concen: 18.415 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. -0.006 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

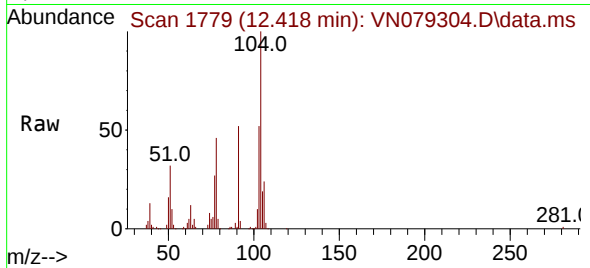
Tgt Ion:106 Resp: 88941  
Ion Ratio Lower Upper  
106 100  
91 220.4 109.7 329.1





#69  
Styrene  
Concen: 18.951 ug/l  
RT: 12.418 min Scan# 1779  
Delta R.T. -0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

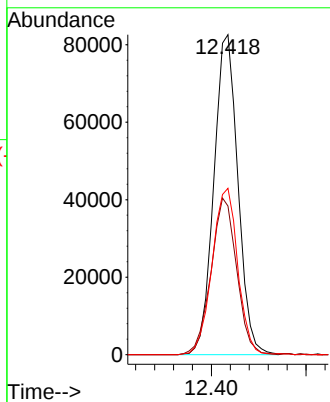
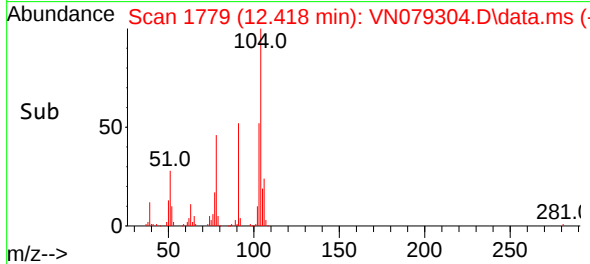
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:104 Resp: 145994  
Ion Ratio Lower Upper  
104 100  
78 52.2 40.5 60.7  
103 55.3 43.3 64.9

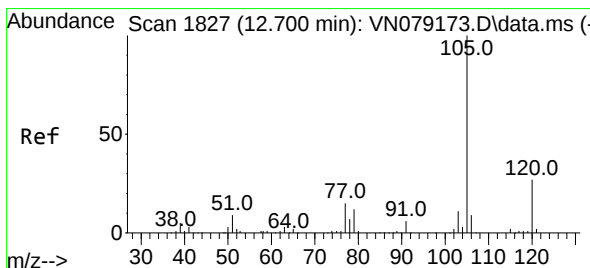
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone

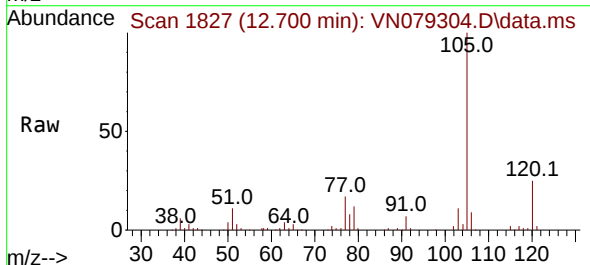


09/20/2023  
Supervised By :Mahesh  
Dadoda

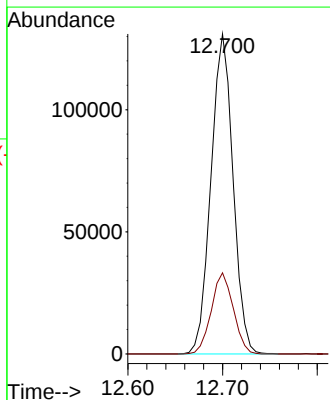
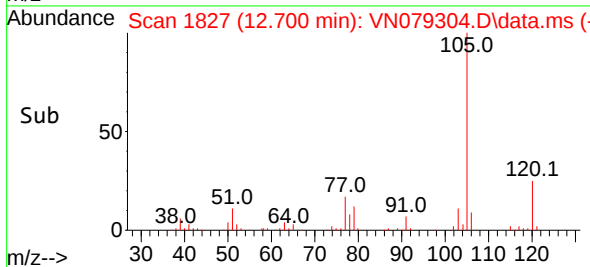
09/20/2023

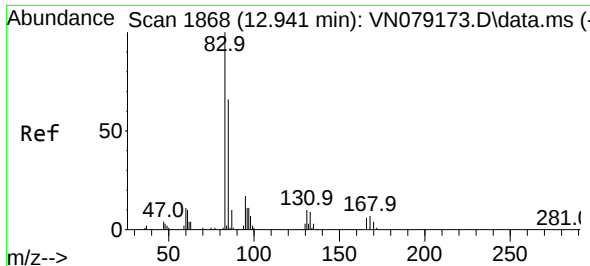


#70  
Isopropylbenzene  
Concen: 17.304 ug/l  
RT: 12.700 min Scan# 1827  
Delta R.T. -0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01



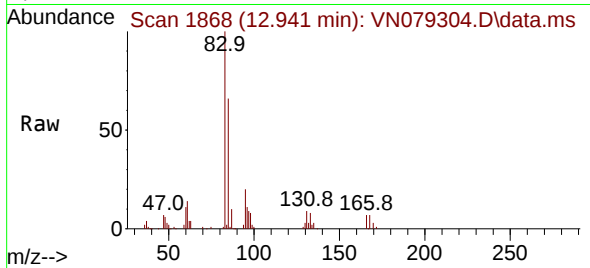
Tgt Ion:105 Resp: 212434  
Ion Ratio Lower Upper  
105 100  
120 25.3 18.5 34.3





#71  
1,1,2,2-Tetrachloroethane  
Concen: 15.850 ug/l  
RT: 12.941 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

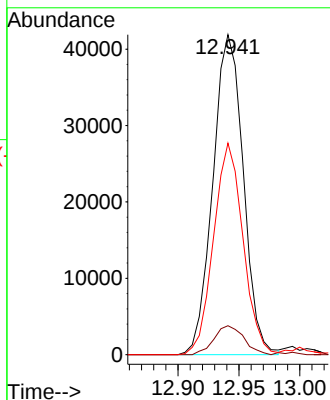
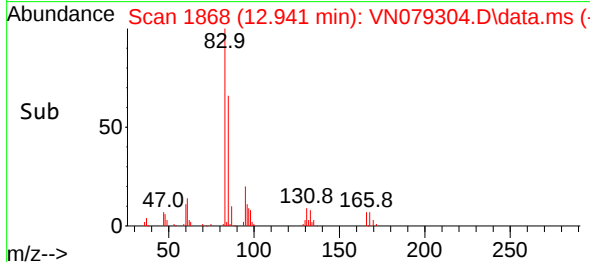
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 83 Resp: 72794  
Ion Ratio Lower Upper  
83 100  
131 8.9 4.9 14.6  
85 64.1 33.1 99.3

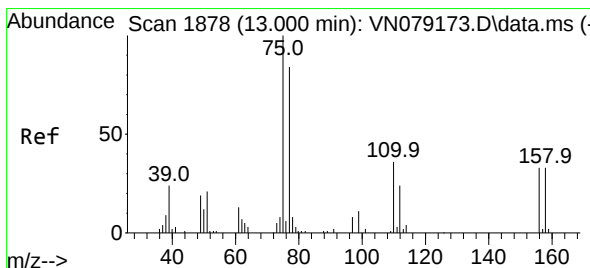
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone



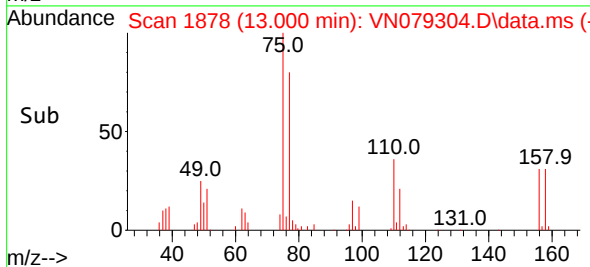
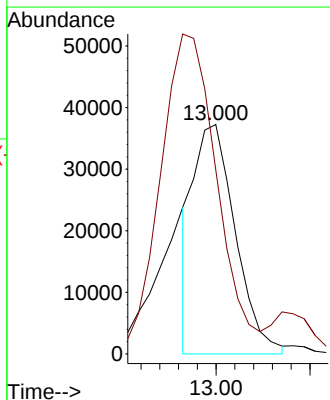
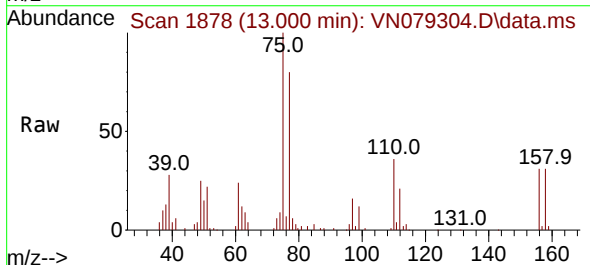
09/20/2023  
Supervised By :Mahesh  
Dadoda

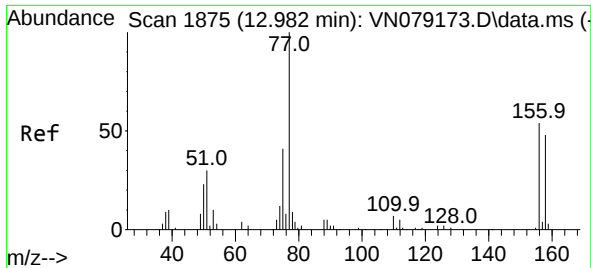
09/20/2023



#72  
1,2,3-Trichloropropane  
Concen: 14.949 ug/l m  
RT: 13.000 min Scan# 1878  
Delta R.T. -0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

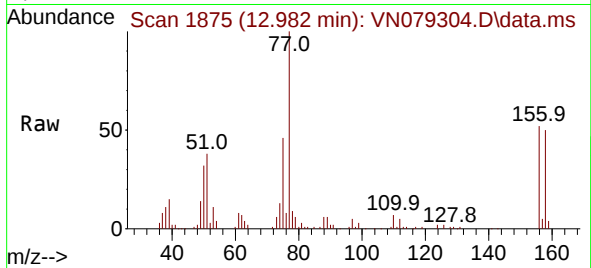
Tgt Ion: 75 Resp: 57765  
Ion Ratio Lower Upper  
75 100  
77 188.6 0.0 252.2





#73  
Bromobenzene  
Concen: 15.599 ug/l  
RT: 12.982 min Scan# 1875  
Delta R.T. 0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

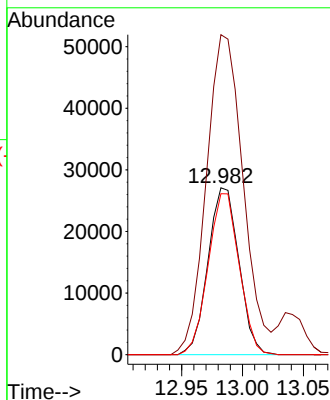
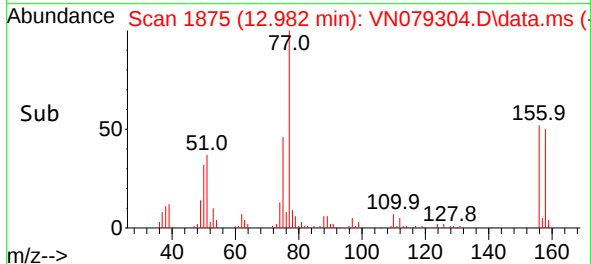
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:156 Resp: 47838  
Ion Ratio Lower Upper  
156 100  
77 227.8 0.0 446.6  
158 97.0 0.0 188.6

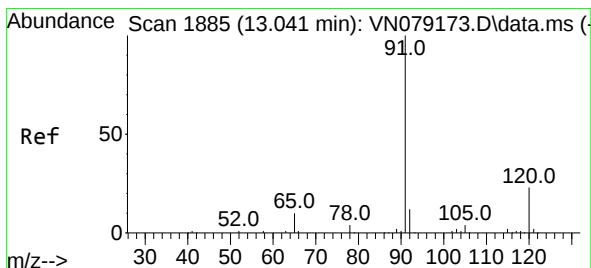
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone



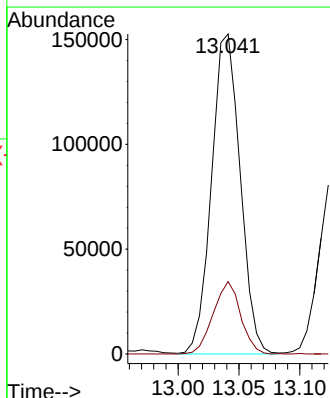
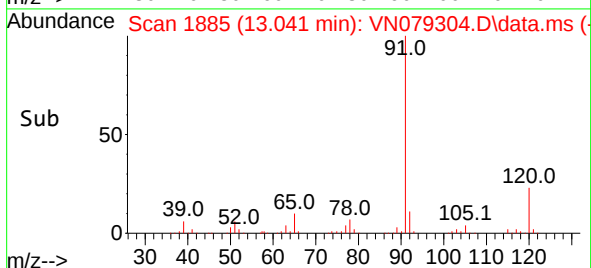
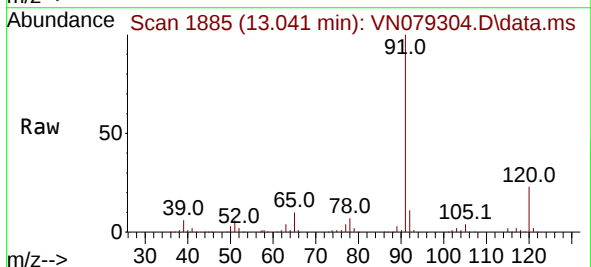
09/20/2023  
Supervised By :Mahesh  
Dadoda

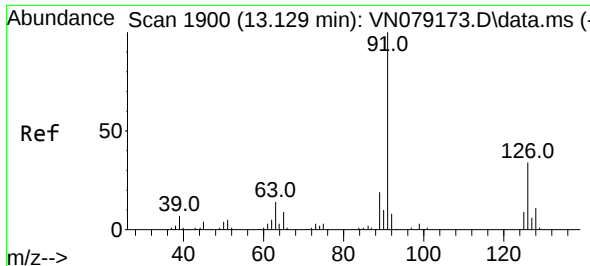
09/20/2023



#74  
n-propylbenzene  
Concen: 17.875 ug/l  
RT: 13.041 min Scan# 1885  
Delta R.T. 0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Tgt Ion: 91 Resp: 250033  
Ion Ratio Lower Upper  
91 100  
120 21.6 0.0 44.0





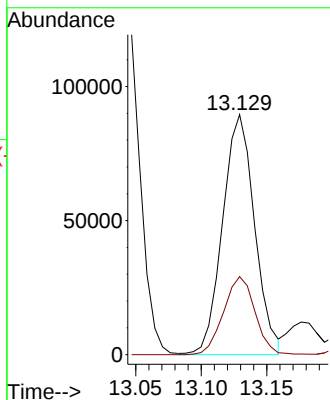
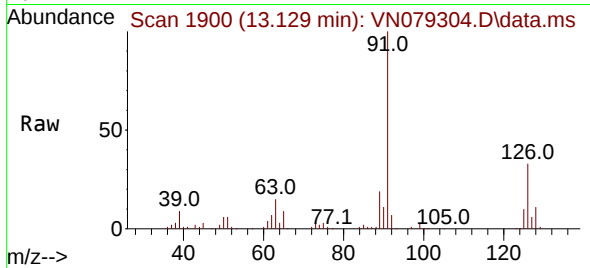
#75  
2-Chlorotoluene  
Concen: 16.992 ug/l  
RT: 13.129 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 91 Resp: 15240  
Ion Ratio Lower Upper  
91 100  
126 31.9 0.0 65.4

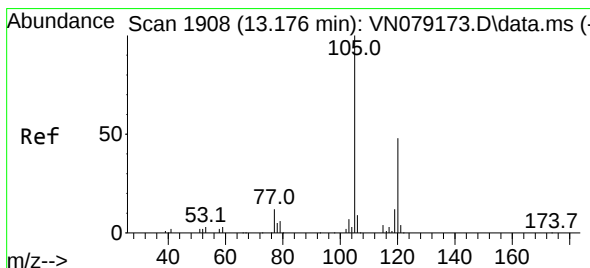
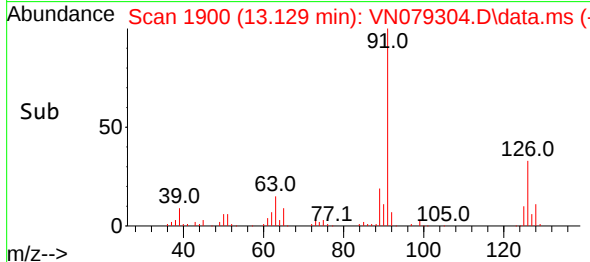
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone



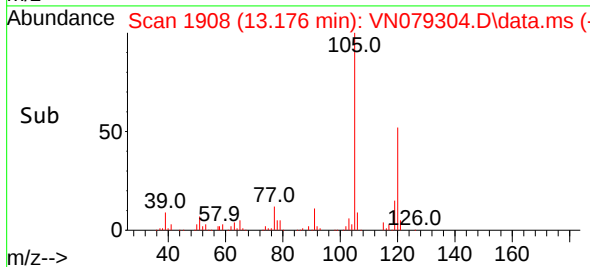
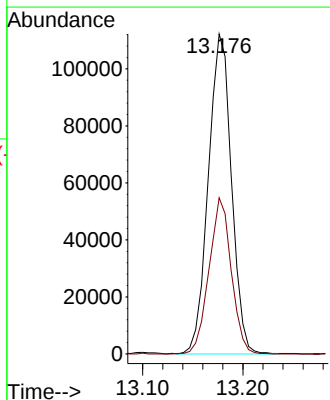
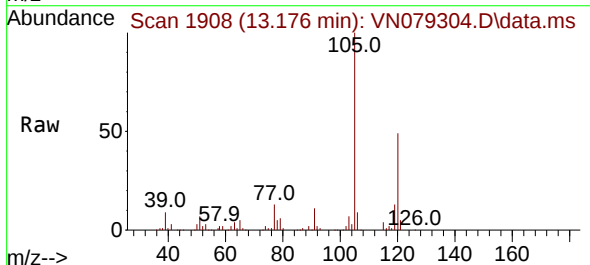
09/20/2023  
Supervised By :Mahesh  
Dadoda

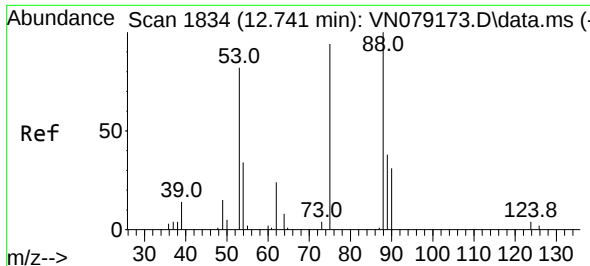
09/20/2023



#76  
1,3,5-Trimethylbenzene  
Concen: 17.706 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

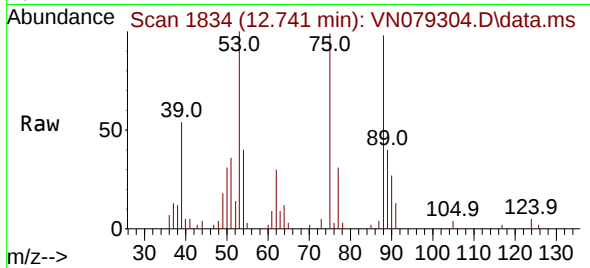
Tgt Ion:105 Resp: 179733  
Ion Ratio Lower Upper  
105 100  
120 47.0 0.0 95.6





#77  
t-1,4-Dichloro-2-butene  
Concen: 14.340 ug/l  
RT: 12.741 min Scan# 1834  
Delta R.T. 0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

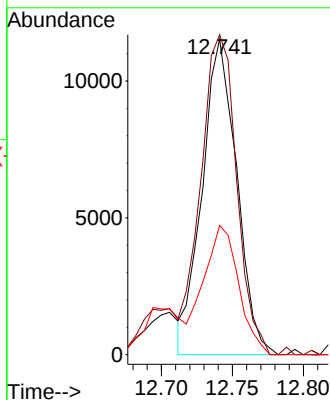
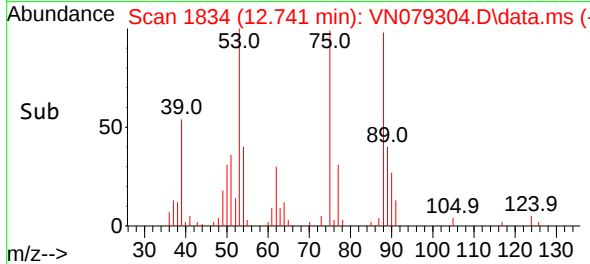
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 75 Resp: 19509  
Ion Ratio Lower Upper  
75 100  
53 101.4 44.1 132.4  
89 41.0 22.4 67.3

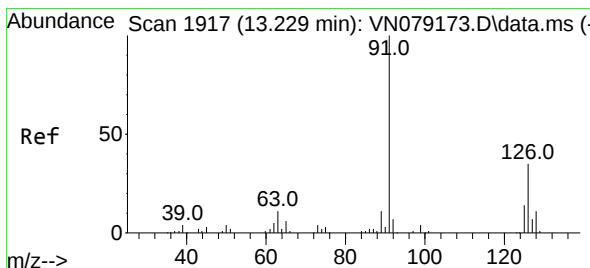
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone



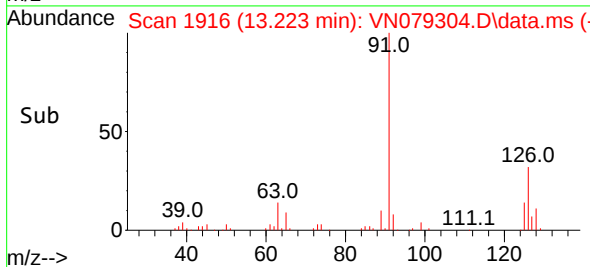
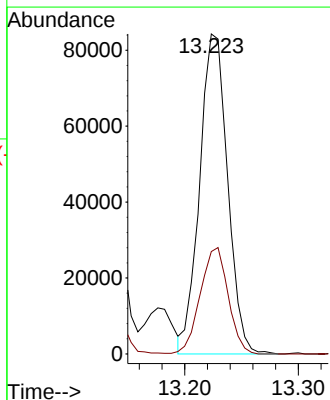
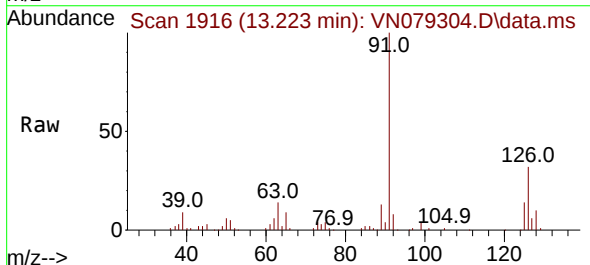
09/20/2023  
Supervised By :Mahesh  
Dadoda

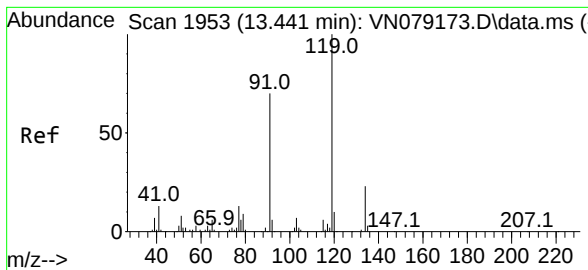
09/20/2023



#78  
4-Chlorotoluene  
Concen: 17.031 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. -0.006 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

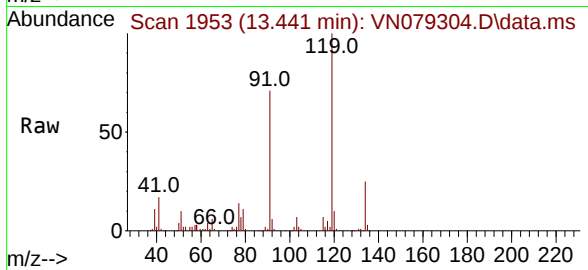
Tgt Ion: 91 Resp: 144239  
Ion Ratio Lower Upper  
91 100  
126 33.2 0.0 66.6





#79  
tert-butylbenzene  
Concen: 16.989 ug/l  
RT: 13.441 min Scan# 1953  
Delta R.T. -0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

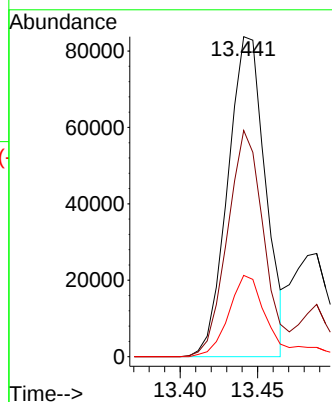
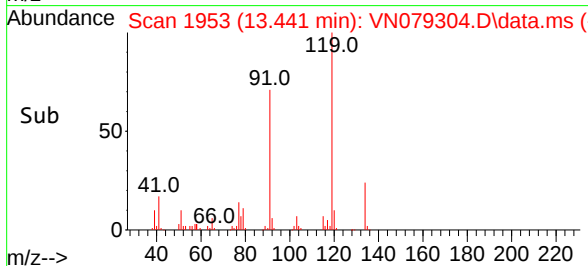
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:119 Resp: 14155  
Ion Ratio Lower Upper  
119 100  
91 68.6 0.0 130.8  
134 24.5 0.0 48.8

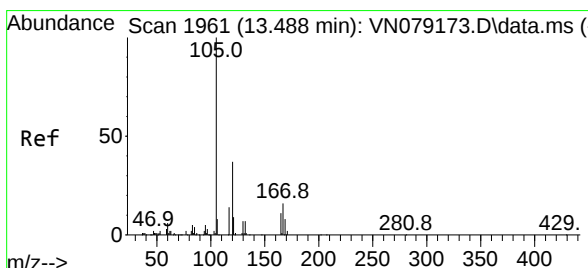
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone

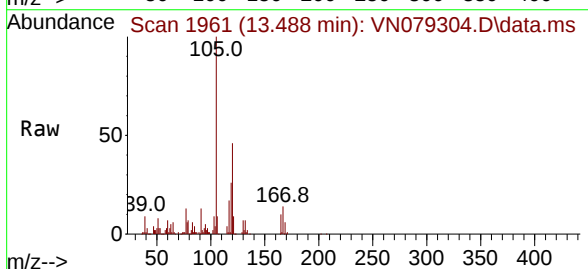


09/20/2023  
Supervised By :Mahesh  
Dadoda

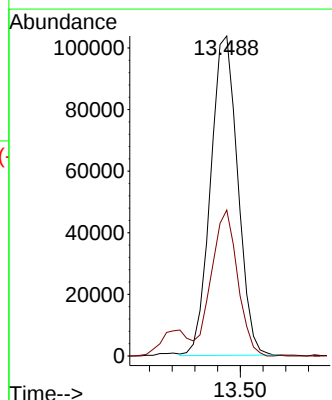
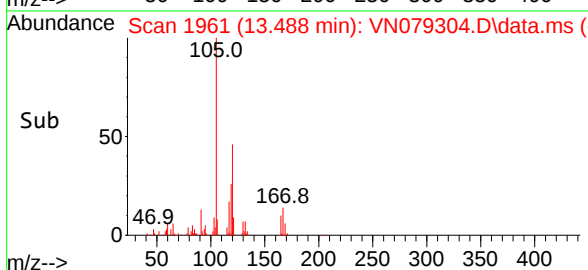
09/20/2023

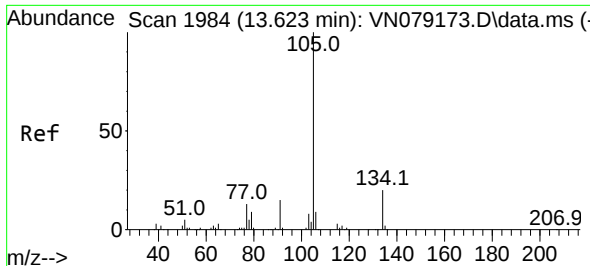


#80  
1,2,4-Trimethylbenzene  
Concen: 17.746 ug/l  
RT: 13.488 min Scan# 1961  
Delta R.T. 0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01



Tgt Ion:105 Resp: 172036  
Ion Ratio Lower Upper  
105 100  
120 44.1 0.0 90.0





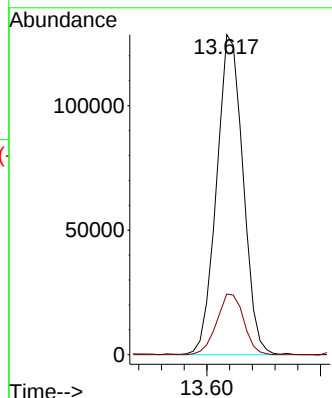
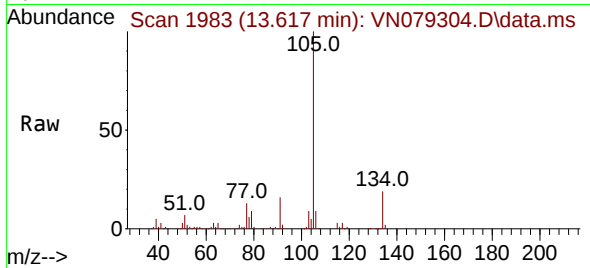
#81  
 sec-Butylbenzene  
 Concen: 18.244 ug/l  
 RT: 13.617 min Scan# 1984  
 Delta R.T. -0.006 min  
 Lab File: VN079304.D  
 Acq: 19 Sep 2023 17:01

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

Tgt Ion:105 Resp: 207988  
 Ion Ratio Lower Upper  
 105 100  
 134 19.4 0.0 38.6

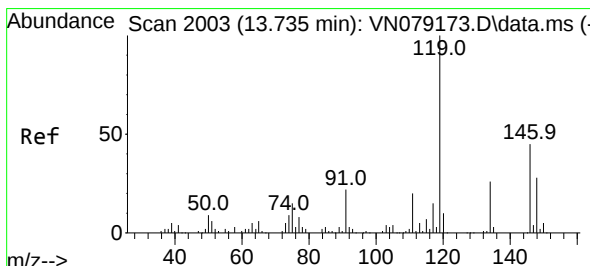
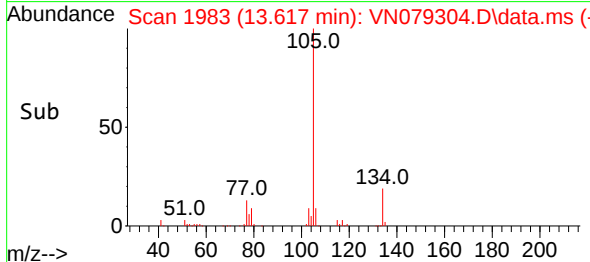
Manual Integrations  
 APPROVED

Reviewed By :John  
 Carlone



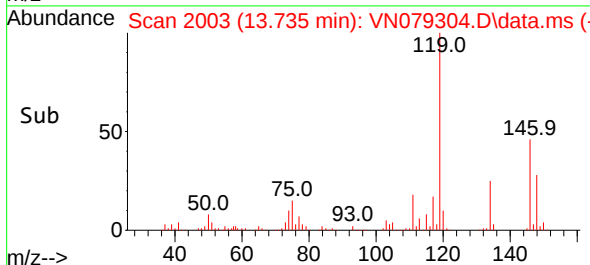
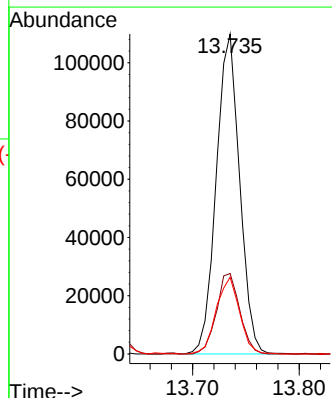
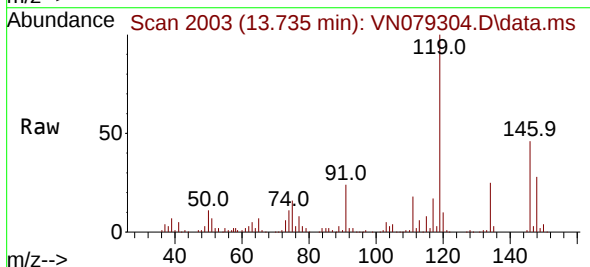
09/20/2023  
 Supervised By :Mahesh  
 Dadoda

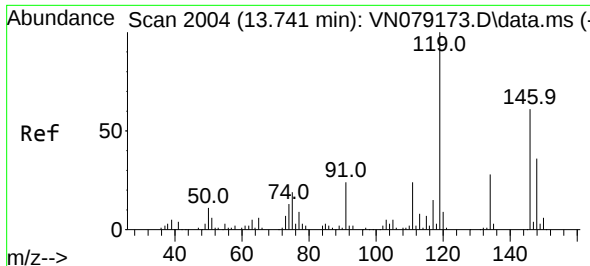
09/20/2023



#82  
 p-Isopropyltoluene  
 Concen: 18.579 ug/l  
 RT: 13.735 min Scan# 2003  
 Delta R.T. 0.000 min  
 Lab File: VN079304.D  
 Acq: 19 Sep 2023 17:01

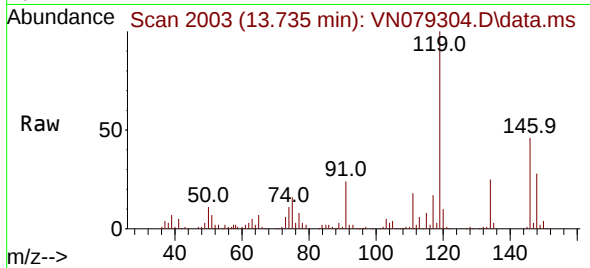
Tgt Ion:119 Resp: 167306  
 Ion Ratio Lower Upper  
 119 100  
 134 25.0 0.0 53.8  
 91 23.9 0.0 48.0





#83  
1,3-Dichlorobenzene  
Concen: 17.115 ug/l  
RT: 13.735 min Scan# 2004  
Delta R.T. -0.006 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

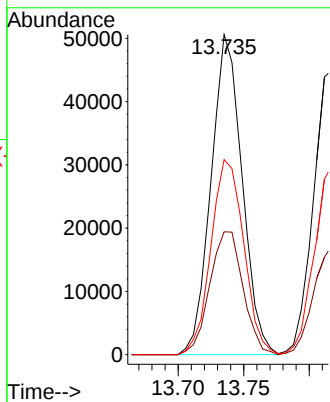
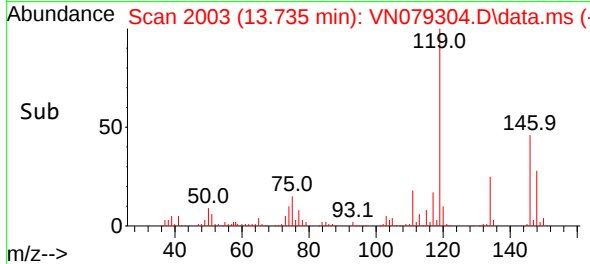
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:146 Resp: 83354  
Ion Ratio Lower Upper  
146 100  
111 41.2 20.5 61.5  
148 64.4 31.8 95.3

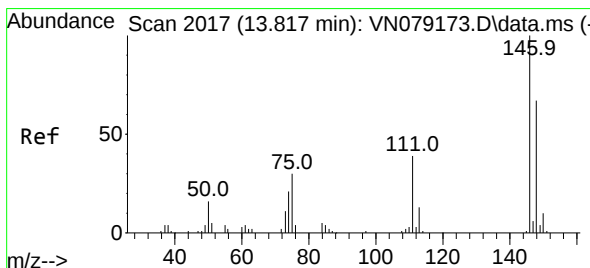
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone

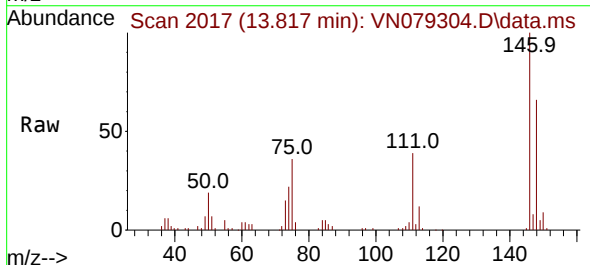


09/20/2023  
Supervised By :Mahesh  
Dadoda

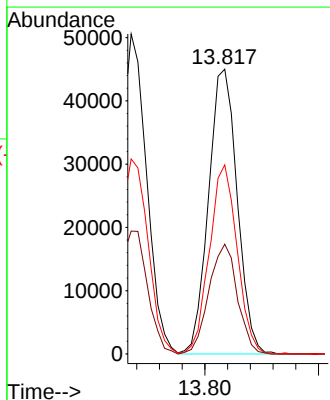
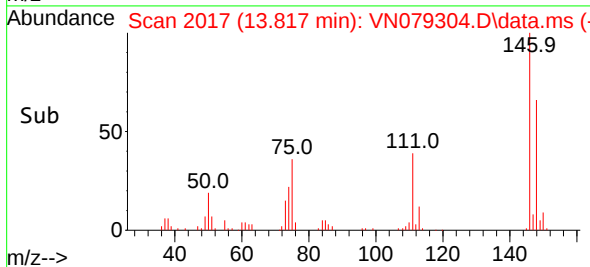
09/20/2023

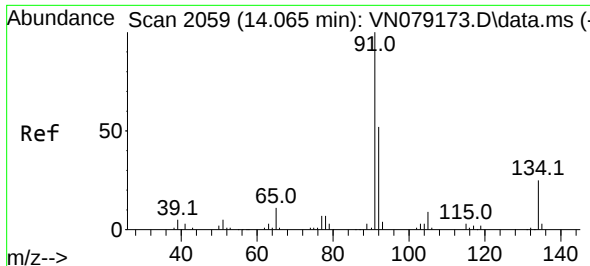


#84  
1,4-Dichlorobenzene  
Concen: 17.306 ug/l  
RT: 13.817 min Scan# 2017  
Delta R.T. 0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01



Tgt Ion:146 Resp: 79050  
Ion Ratio Lower Upper  
146 100  
111 38.1 19.5 58.5  
148 64.1 32.1 96.5





#85  
n-Butylbenzene  
Concen: 20.380 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. -0.006 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Instrument :

MSVOA\_N

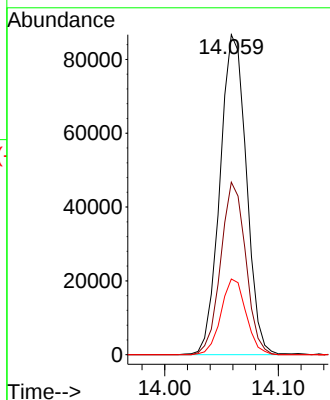
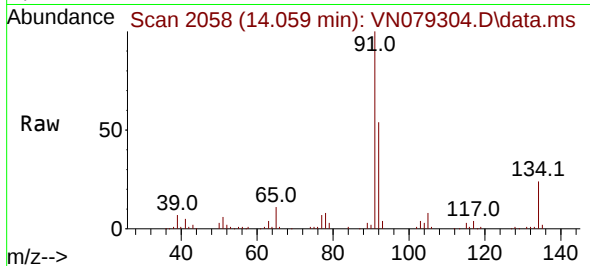
ClientSampleId :

VSTDCCC020EC

Tgt Ion: 91 Resp: 139775  
Ion Ratio Lower Upper  
91 100  
92 51.1 0.0 105.0  
134 22.5 0.0 49.6

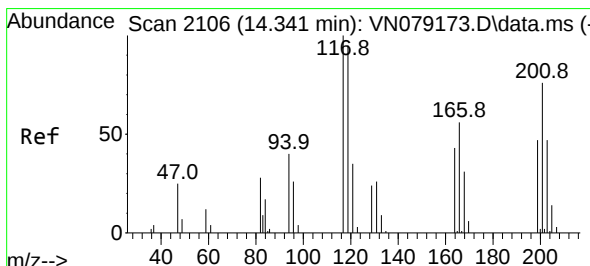
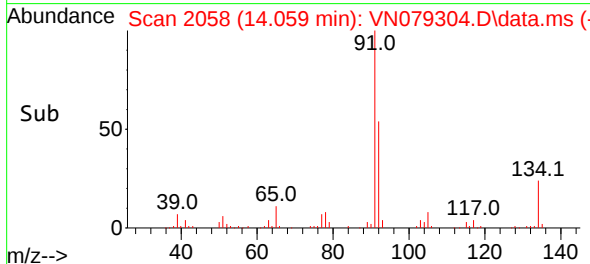
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone



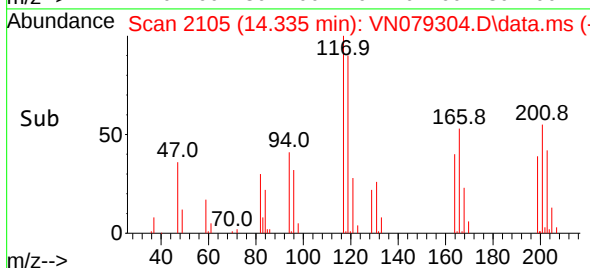
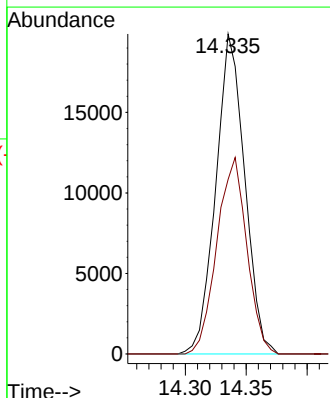
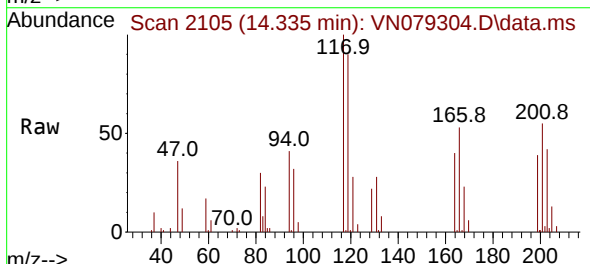
09/20/2023  
Supervised By :Mahesh  
Dadoda

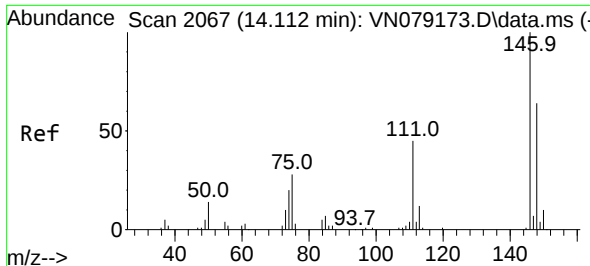
09/20/2023



#86  
Hexachloroethane  
Concen: 18.400 ug/l  
RT: 14.335 min Scan# 2105  
Delta R.T. -0.006 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Tgt Ion:117 Resp: 32805  
Ion Ratio Lower Upper  
117 100  
201 63.6 37.2 111.6





#87

1,2-Dichlorobenzene

Concen: 16.642 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. -0.000 min

Lab File: VN079304.D

Acq: 19 Sep 2023 17:01

Instrument :

MSVOA\_N

ClientSampleId :

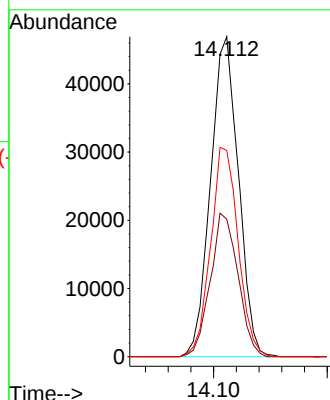
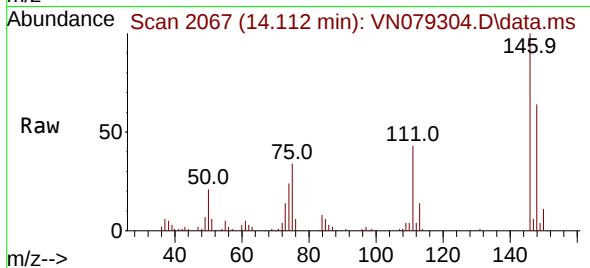
VSTDCCC020EC

Tgt Ion:146 Resp: 7998

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 44.5  | 21.5  | 64.5  |
| 148 | 64.5  | 31.8  | 95.3  |

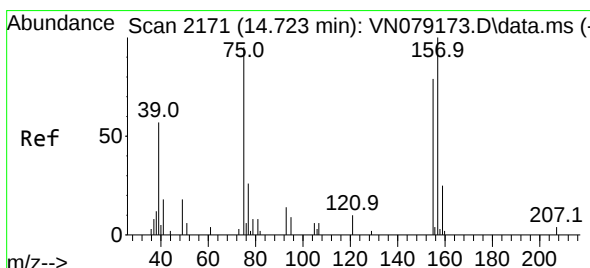
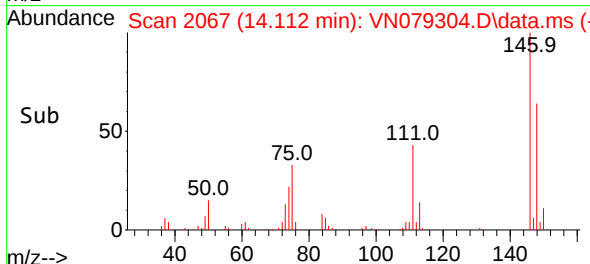
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone



09/20/2023  
Supervised By :Mahesh  
Dadoda

09/20/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 14.322 ug/l

RT: 14.729 min Scan# 2172

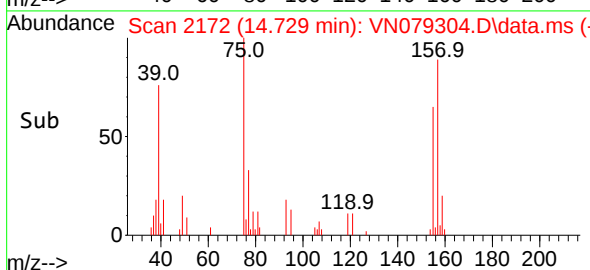
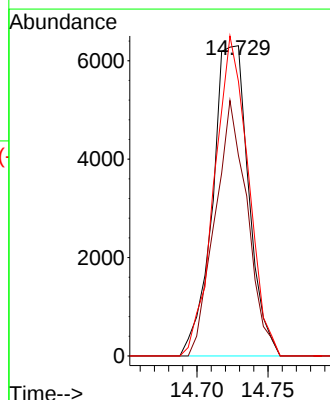
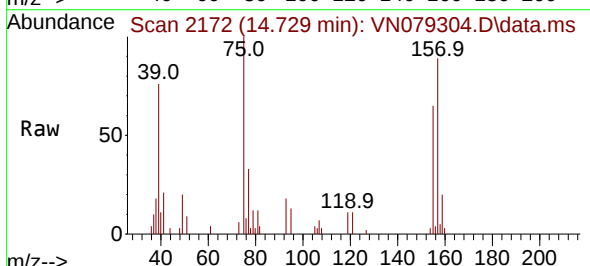
Delta R.T. 0.006 min

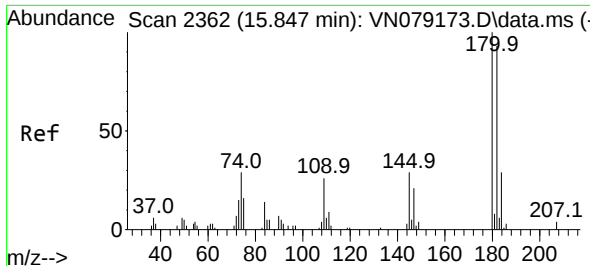
Lab File: VN079304.D

Acq: 19 Sep 2023 17:01

Tgt Ion: 75 Resp: 11118

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 155 | 73.8  | 68.1  | 102.1 |
| 157 | 97.0  | 83.9  | 125.9 |





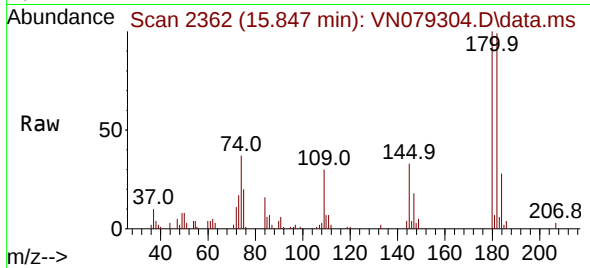
#89  
1,2,4-Trichlorobenzene  
Concen: 13.818 ug/l  
RT: 15.847 min Scan# 2362  
Delta R.T. -0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Instrument :

MSVOA\_N

ClientSampleId :

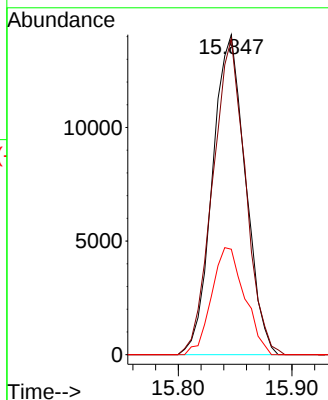
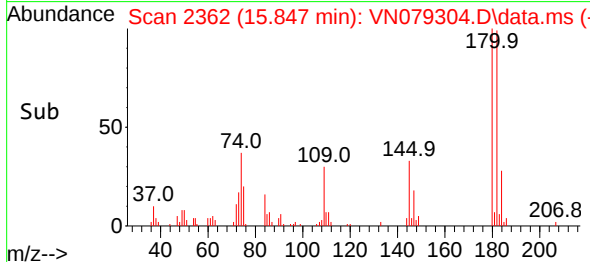
VSTDCCC020EC



Tgt Ion:180 Resp: 28419  
Ion Ratio Lower Upper  
180 100  
182 97.8 74.5 111.7  
145 33.6 26.2 39.2

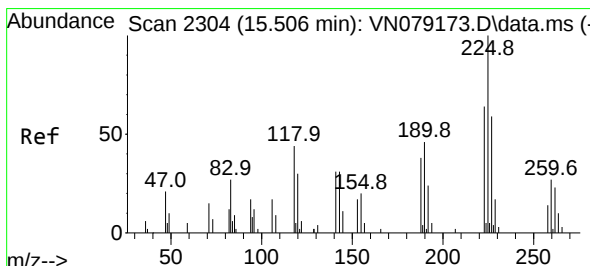
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone

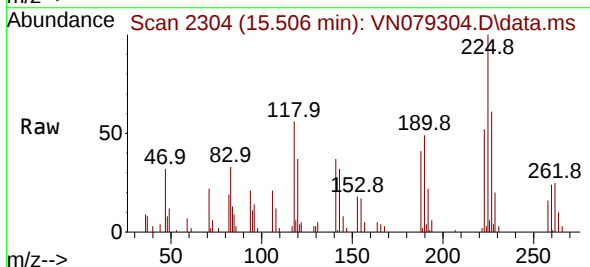


09/20/2023  
Supervised By :Mahesh  
Dadoda

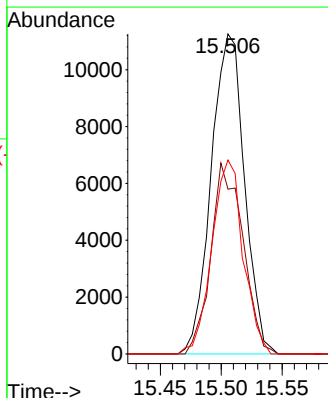
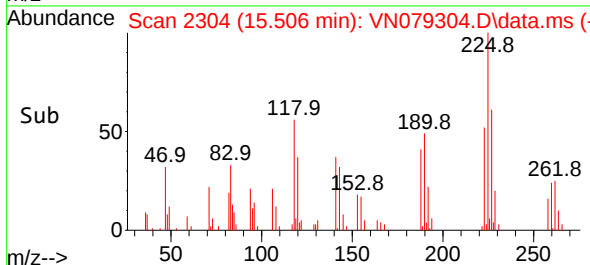
09/20/2023

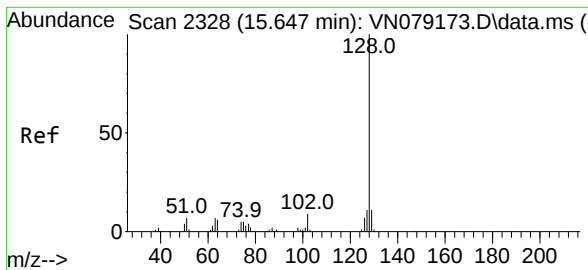


#90  
Hexachlorobutadiene  
Concen: 17.125 ug/l  
RT: 15.506 min Scan# 2304  
Delta R.T. -0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01



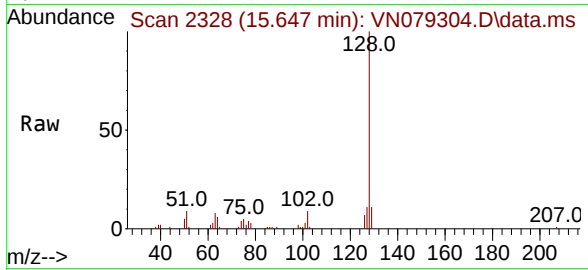
Tgt Ion:225 Resp: 21394  
Ion Ratio Lower Upper  
225 100  
223 57.5 0.0 125.6  
227 56.9 0.0 124.0





#91  
Naphthalene  
Concen: 11.281 ug/l  
RT: 15.647 min Scan# 2328  
Delta R.T. -0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

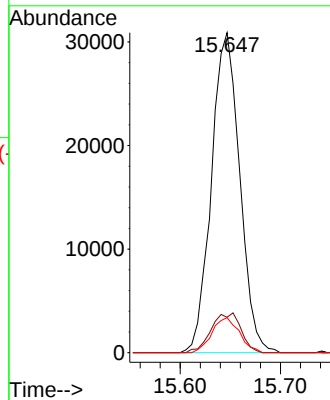
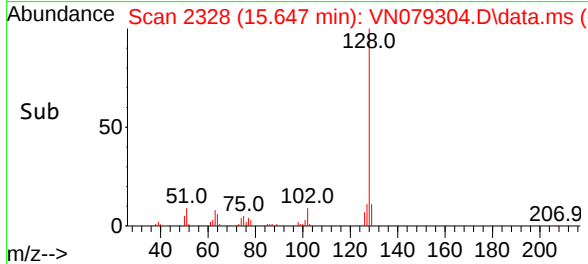
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:128 Resp: 6062  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.1 15.1  
129 10.6 8.5 12.7

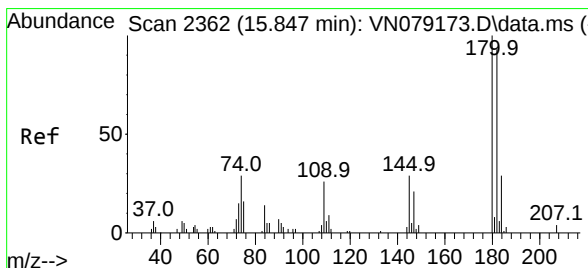
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone



09/20/2023  
Supervised By :Mahesh  
Dadoda

09/20/2023



#92  
1,2,3-Trichlorobenzene  
Concen: 13.818 ug/l  
RT: 15.847 min Scan# 2362  
Delta R.T. -0.000 min  
Lab File: VN079304.D  
Acq: 19 Sep 2023 17:01

Tgt Ion:180 Resp: 28419  
Ion Ratio Lower Upper  
180 100  
182 97.8 0.0 186.2  
145 33.6 0.0 65.4

