

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100322\  
 Data File : VN074706.D  
 Acq On : 03 Oct 2022 13:13  
 Operator : JC\MD  
 Sample : VSTDIC001  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/04/2022  
 Supervised By : Mahesh Dadoda 10/05/2022

Quant Time: Oct 04 05:27:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100322W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 04 05:26:33 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.928  | 168   | 231031   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.828  | 114   | 392599   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.616 | 117   | 403660   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.545 | 152   | 204778   | 50.000   | ug/l   | 0.00     |
|                              |        |       |          |          |        |          |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 0.000  | 65    | 0d       | 0.000    | ug/l   |          |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 0.000%#  |
| 35) Dibromofluoromethane     | 0.000  | 113   | 0d       | 0.000    | ug/l   |          |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 0.000%#  |
| 50) Toluene-d8               | 0.000  | 98    | 0d       | 0.000    | ug/l   |          |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 0.000%#  |
| 62) 4-Bromofluorobenzene     | 0.000  | 95    | 0d       | 0.000    | ug/l   |          |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 0.000%#  |
|                              |        |       |          |          |        |          |
| Target Compounds             |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.993  | 85    | 4530     | 0.950    | ug/l   | 95       |
| 3) Chloromethane             | 2.216  | 50    | 10387m   | 1.260    | ug/l   |          |
| 4) Vinyl Chloride            | 2.357  | 62    | 15408    | 1.114    | ug/l # | 43       |
| 7) Trichlorofluoromethane    | 3.257  | 101   | 8135     | 1.093    | ug/l   | 97       |
| 8) Diethyl Ether             | 3.698  | 74    | 3924m    | 1.198    | ug/l   |          |
| 9) 1,1,2-Trichlorotrifluo... | 4.034  | 101   | 4828m    | 1.153    | ug/l   |          |
| 12) 1,1-Dichloroethene       | 4.034  | 96    | 4736     | 1.139    | ug/l # | 36       |
| 13) Acrolein                 | 3.898  | 56    | 2620m    | 4.497    | ug/l   |          |
| 14) Allyl chloride           | 4.645  | 41    | 9008     | 1.055    | ug/l   | 92       |
| 15) Acrylonitrile            | 5.357  | 53    | 18583    | 5.152    | ug/l   | 94       |
| 16) Acetone                  | 4.122  | 43    | 18093m   | 5.707    | ug/l   |          |
| 17) Carbon Disulfide         | 4.363  | 76    | 12736    | 1.045    | ug/l # | 85       |
| 18) Methyl Acetate           | 4.675  | 43    | 12506    | 1.188    | ug/l # | 68       |
| 19) Methyl tert-butyl Ether  | 5.422  | 73    | 16800    | 1.016    | ug/l   | 98       |
| 20) Methylene Chloride       | 4.892  | 84    | 8173m    | 1.416    | ug/l   |          |
| 21) trans-1,2-Dichloroethene | 5.404  | 96    | 5070m    | 1.126    | ug/l   |          |
| 22) Diisopropyl ether        | 6.304  | 45    | 18370    | 0.977    | ug/l # | 88       |
| 23) Vinyl Acetate            | 6.245  | 43    | 56280    | 3.941    | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.186  | 63    | 8864     | 0.950    | ug/l # | 91       |
| 25) 2-Butanone               | 7.175  | 43    | 30493    | 5.546    | ug/l # | 63       |
| 26) 2,2-Dichloropropane      | 7.151  | 77    | 8792     | 1.244    | ug/l   | 77       |
| 27) cis-1,2-Dichloroethene   | 7.163  | 96    | 6563     | 1.166    | ug/l # | 63       |
| 28) Bromochloromethane       | 7.481  | 49    | 3689m    | 0.825    | ug/l   |          |
| 29) Tetrahydrofuran          | 7.528  | 42    | 18756    | 5.178    | ug/l # | 81       |
| 30) Chloroform               | 7.657  | 83    | 8753     | 0.960    | ug/l   | 84       |
| 32) 1,1,1-Trichloroethane    | 7.857  | 97    | 8456     | 1.078    | ug/l # | 37       |
| 36) 1,1-Dichloropropene      | 8.057  | 75    | 8223     | 1.196    | ug/l   | 94       |
| 37) Ethyl Acetate            | 7.233  | 43    | 8472m    | 0.870    | ug/l   |          |
| 38) Carbon Tetrachloride     | 8.051  | 117   | 7101     | 1.168    | ug/l # | 70       |
| 39) Methylcyclohexane        | 9.322  | 83    | 9387     | 1.127    | ug/l # | 84       |
| 40) Benzene                  | 8.304  | 78    | 21001    | 1.002    | ug/l   | 94       |
| 41) Methacrylonitrile        | 7.481  | 41    | 4865     | 1.064    | ug/l # | 31       |
| 42) 1,2-Dichloroethane       | 8.380  | 62    | 7529     | 1.050    | ug/l   | 83       |
| 43) Isopropyl Acetate        | 8.416  | 43    | 13214    | 0.901    | ug/l # | 82       |
| 44) Trichloroethene          | 9.075  | 130   | 5318     | 1.149    | ug/l   | 80       |
| 45) 1,2-Dichloropropane      | 9.357  | 63    | 6079     | 1.094    | ug/l # | 88       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN100322\  
 Data File : VN074706.D  
 Acq On : 03 Oct 2022 13:13  
 Operator : JC\MD  
 Sample : VSTDIC001  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/04/2022  
 Supervised By : Mahesh Dadoda 10/05/2022

Quant Time: Oct 04 05:27:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100322W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 04 05:26:33 2022  
 Response via : Initial Calibration

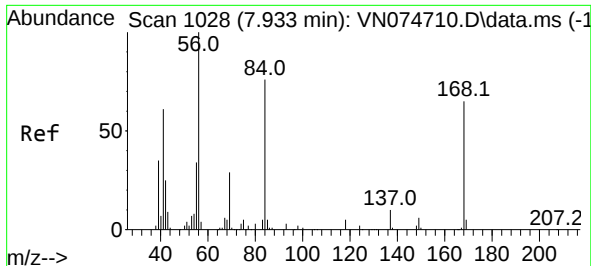
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) Dibromomethane            | 9.433  | 93   | 4794m    | 1.238  | ug/l   |          |
| 47) Bromodichloromethane      | 9.627  | 83   | 7135     | 1.012  | ug/l # | 87       |
| 48) Methyl methacrylate       | 9.416  | 41   | 6594     | 0.981  | ug/l # | 84       |
| 49) 1,4-Dioxane               | 9.433  | 88   | 2432     | 19.569 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone      | 10.204 | 43   | 50132    | 4.744  | ug/l   | 93       |
| 52) Toluene                   | 10.369 | 92   | 13124    | 1.029  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.598 | 75   | 5937     | 0.854  | ug/l   | 90       |
| 54) cis-1,3-Dichloropropene   | 10.057 | 75   | 7405     | 0.953  | ug/l # | 85       |
| 55) 1,1,2-Trichloroethane     | 10.780 | 97   | 5561     | 1.084  | ug/l # | 88       |
| 56) Ethyl methacrylate        | 10.639 | 69   | 6988     | 0.866  | ug/l # | 61       |
| 57) 1,3-Dichloropropane       | 10.921 | 76   | 9764     | 1.060  | ug/l # | 82       |
| 58) 2-Chloroethyl Vinyl ether | 9.910  | 63   | 11869    | 3.812  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.957 | 43   | 38306    | 4.838  | ug/l   | 87       |
| 60) Dibromochloromethane      | 11.121 | 129  | 4700     | 1.002  | ug/l   | 95       |
| 61) 1,2-Dibromoethane         | 11.210 | 107  | 4933     | 0.973  | ug/l   | 87       |
| 64) Tetrachloroethene         | 10.845 | 164  | 3233     | 0.982  | ug/l # | 68       |
| 65) Chlorobenzene             | 11.639 | 112  | 14825    | 1.210  | ug/l # | 71       |
| 66) 1,1,1,2-Tetrachloroethane | 11.710 | 131  | 4094     | 1.012  | ug/l # | 60       |
| 67) Ethyl Benzene             | 11.716 | 91   | 22625    | 0.991  | ug/l   | 92       |
| 68) m/p-Xylenes               | 11.833 | 106  | 15787    | 1.855  | ug/l   | 95       |
| 69) o-Xylene                  | 12.151 | 106  | 7729     | 0.905  | ug/l   | 83       |
| 70) Styrene                   | 12.163 | 104  | 12721    | 0.933  | ug/l # | 90       |
| 71) Bromoform                 | 12.327 | 173  | 2629     | 0.883  | ug/l # | 88       |
| 73) Isopropylbenzene          | 12.451 | 105  | 18612    | 0.984  | ug/l   | 81       |
| 74) N-amyl acetate            | 12.263 | 43   | 9316     | 0.996  | ug/l # | 85       |
| 75) 1,1,2,2-Tetrachloroethane | 12.704 | 83   | 7522     | 1.042  | ug/l   | 90       |
| 76) 1,2,3-Trichloropropane    | 12.751 | 75   | 6777m    | 1.197  | ug/l   |          |
| 77) Bromobenzene              | 12.739 | 156  | 4560     | 1.127  | ug/l   | 77       |
| 78) n-propylbenzene           | 12.792 | 91   | 21009    | 0.970  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.880 | 91   | 13831    | 1.084  | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene    | 12.939 | 105  | 15104    | 1.000  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.980 | 91   | 13258    | 1.074  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.192 | 119  | 13811    | 1.022  | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 11877    | 0.817  | ug/l   | 90       |
| 85) sec-Butylbenzene          | 13.380 | 105  | 20546    | 1.066  | ug/l   | 95       |
| 86) p-Isopropyltoluene        | 13.492 | 119  | 12659    | 0.857  | ug/l   | 89       |
| 87) 1,3-Dichlorobenzene       | 13.492 | 146  | 8712     | 1.133  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.562 | 146  | 8375m    | 1.112  | ug/l   |          |
| 89) n-Butylbenzene            | 13.810 | 91   | 14085    | 1.056  | ug/l   | 85       |
| 90) Hexachloroethane          | 14.068 | 117  | 3146     | 1.256  | ug/l   | 74       |
| 91) 1,2-Dichlorobenzene       | 13.857 | 146  | 7734     | 1.034  | ug/l   | 90       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.468 | 75   | 1590     | 1.197  | ug/l   | 71       |
| 93) 1,2,4-Trichlorobenzene    | 15.127 | 180  | 2837     | 0.861  | ug/l # | 86       |
| 94) Hexachlorobutadiene       | 15.233 | 225  | 2100     | 1.260  | ug/l # | 63       |
| 95) Naphthalene               | 15.362 | 128  | 10854    | 0.866  | ug/l # | 93       |
| 96) 1,2,3-Trichlorobenzene    | 15.551 | 180  | 3697     | 1.063  | ug/l   | 72       |

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

## Manual Integrations

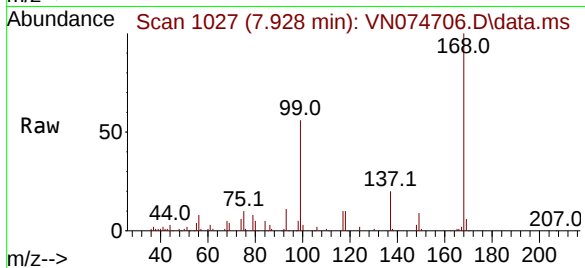
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N100322W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 04 05:26:33 2022  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.928 min Scan# 1027  
Delta R.T. -0.005 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

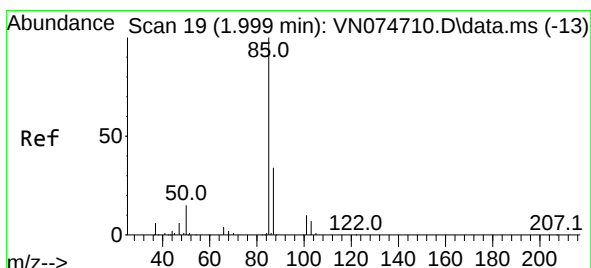
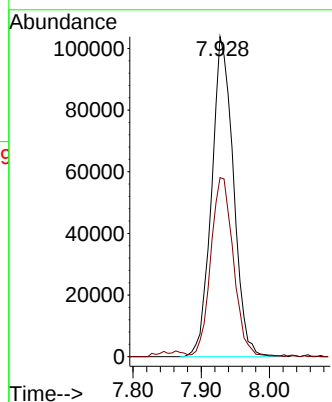
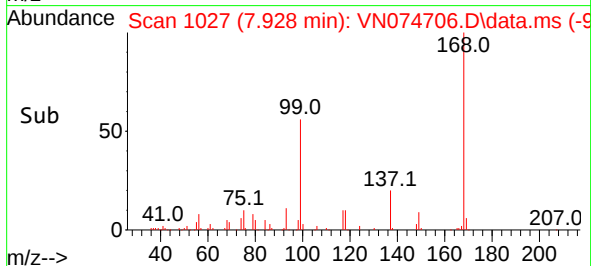
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



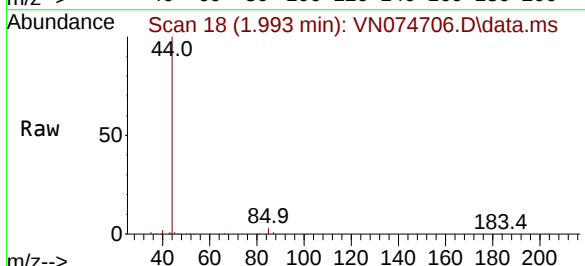
Tgt Ion:168 Resp: 23103  
Ion Ratio Lower Upper  
168 100  
99 55.7 42.3 63.5

Manual Integrations  
APPROVED

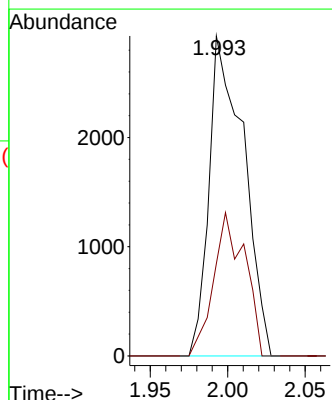
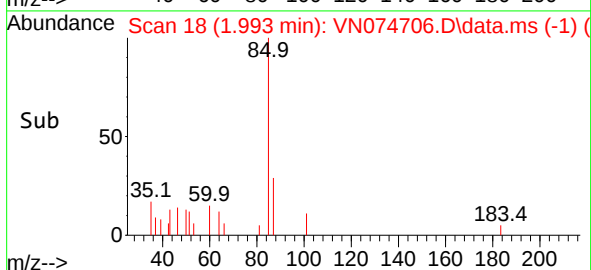
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022

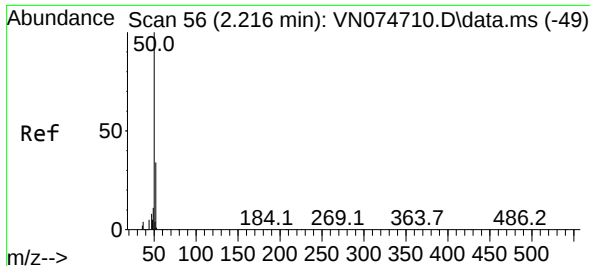


#2  
Dichlorodifluoromethane  
Concen: 0.950 ug/l  
RT: 1.993 min Scan# 18  
Delta R.T. -0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13



Tgt Ion: 85 Resp: 4530  
Ion Ratio Lower Upper  
85 100  
87 28.8 15.7 47.1





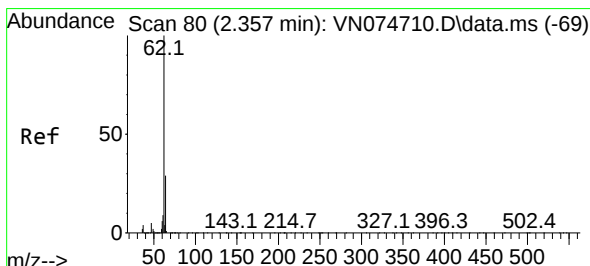
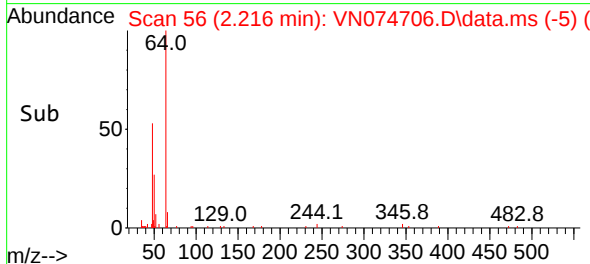
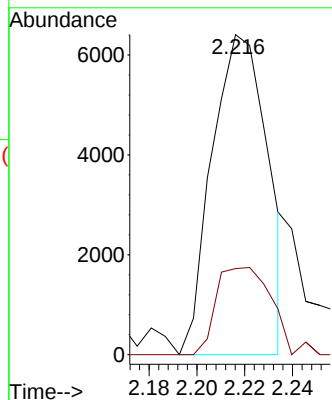
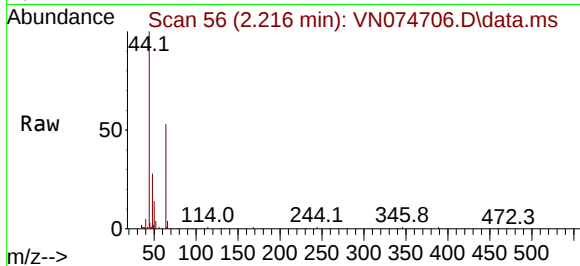
#3  
Chloromethane  
Concen: 1.260 ug/l m  
RT: 2.216 min Scan# 50  
Delta R.T. 0.000 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

Tgt Ion: 50 Resp: 1038  
Ion Ratio Lower Upper  
50 100  
52 26.9 25.7 38.5

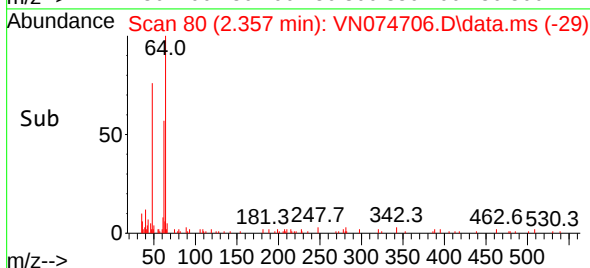
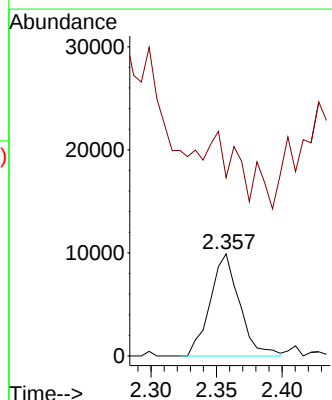
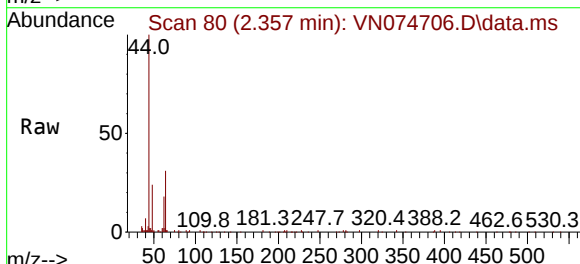
Manual Integrations  
APPROVED

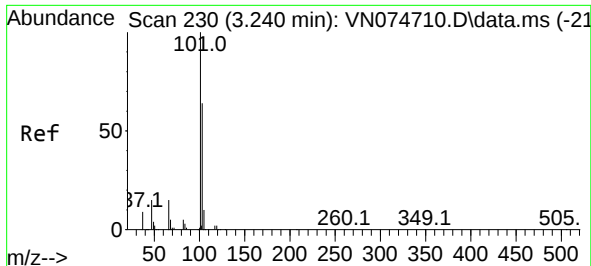
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#4  
Vinyl Chloride  
Concen: 1.114 ug/l  
RT: 2.357 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Tgt Ion: 62 Resp: 15408  
Ion Ratio Lower Upper  
62 100  
64 0.0 25.0 37.4#





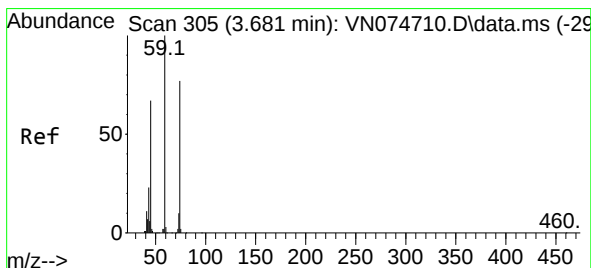
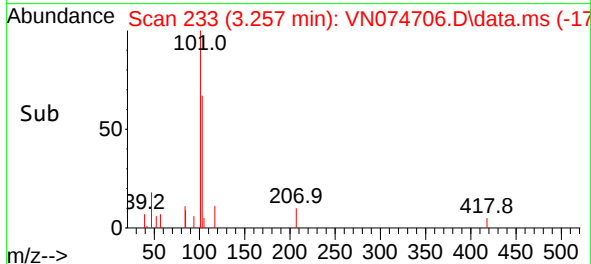
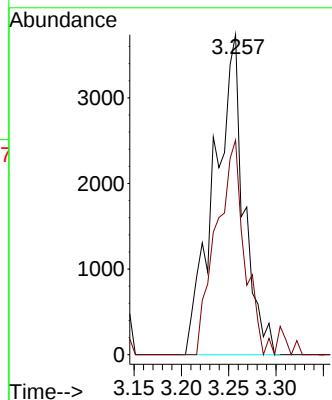
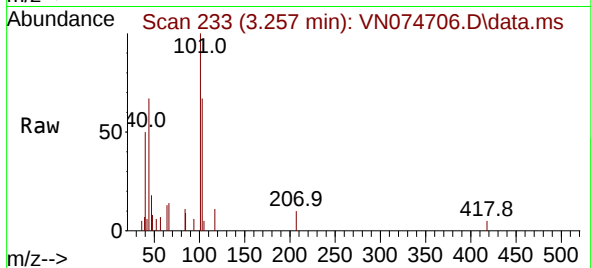
#7  
 Trichlorofluoromethane  
 Concen: 1.093 ug/l  
 RT: 3.257 min Scan# 21  
 Delta R.T. 0.018 min  
 Lab File: VN074706.D  
 Acq: 03 Oct 2022 13:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

Tgt Ion:101 Resp: 813  
 Ion Ratio Lower Upper  
 101 100  
 103 67.1 51.5 77.3

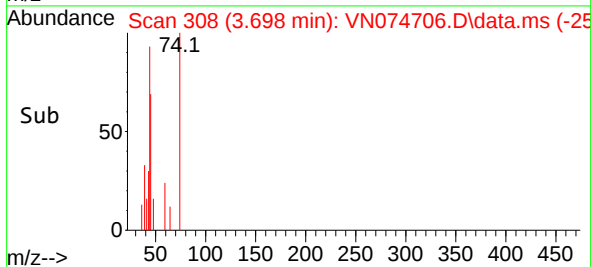
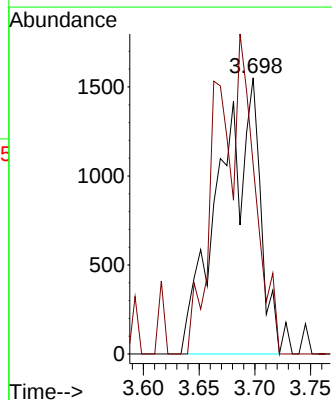
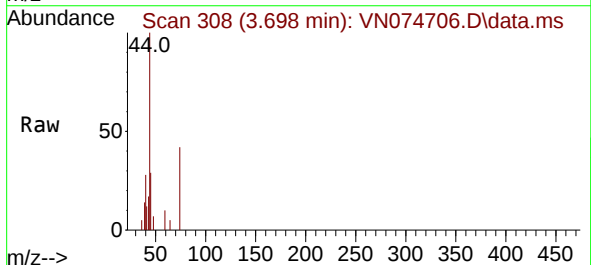
Manual Integrations  
 APPROVED

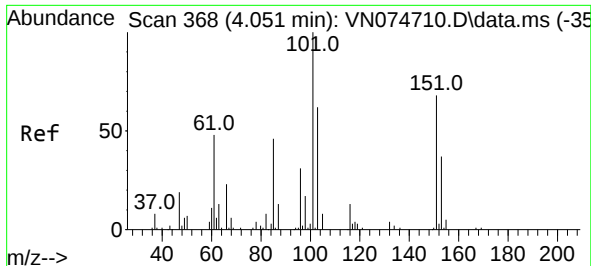
Reviewed By :John Carlone 10/04/2022  
 Supervised By :Mahesh Dadoda 10/05/2022



#8  
 Diethyl Ether  
 Concen: 1.198 ug/l m  
 RT: 3.698 min Scan# 308  
 Delta R.T. 0.018 min  
 Lab File: VN074706.D  
 Acq: 03 Oct 2022 13:13

Tgt Ion: 74 Resp: 3924  
 Ion Ratio Lower Upper  
 74 100  
 45 51.8 42.9 128.5





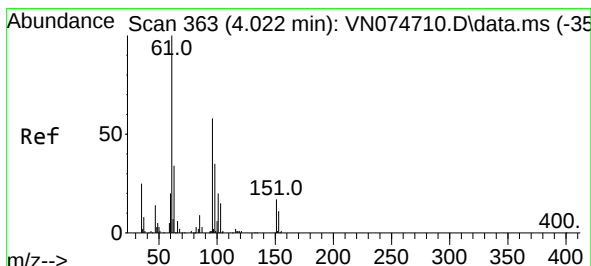
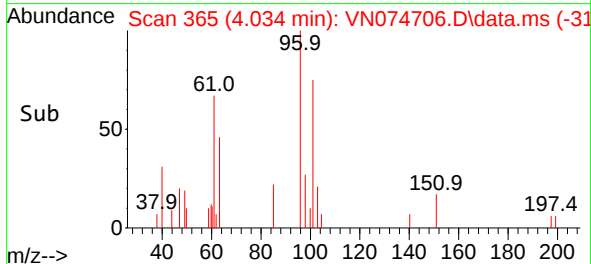
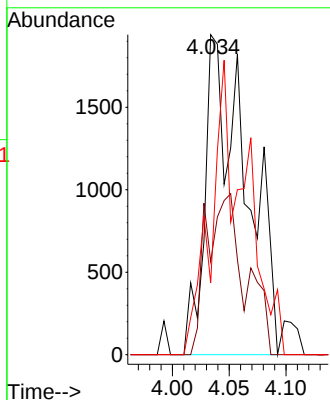
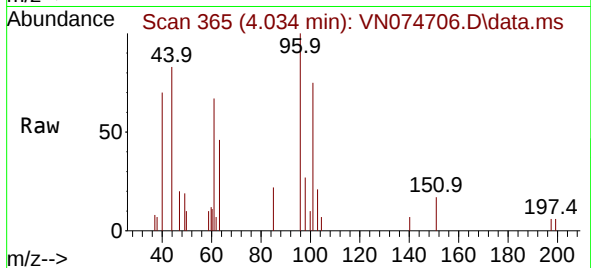
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1,1,2-Trichlorotrifluoroethane  
Concen: 1.153 ug/l m  
RT: 4.034 min Scan# 365  
Delta R.T. -0.018 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

Tgt Ion:101 Resp: 4828  
Ion Ratio Lower Upper  
101 100  
85 38.3 34.7 52.1  
151 49.3 63.0 94.4

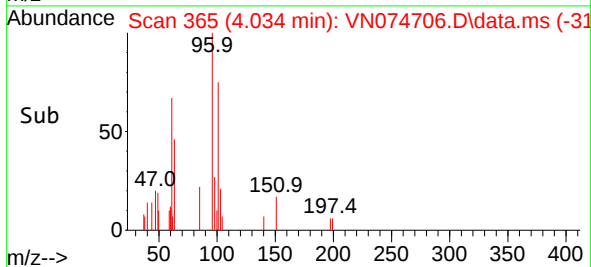
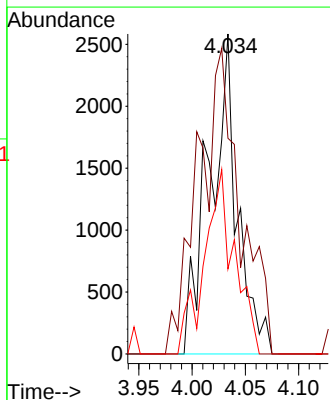
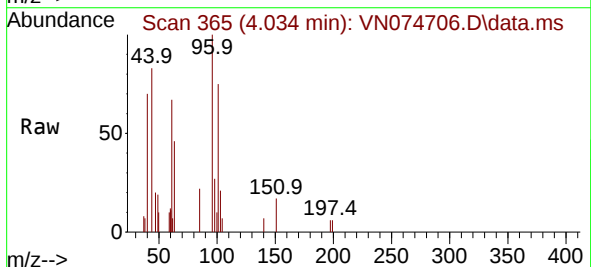
Manual Integrations  
APPROVED

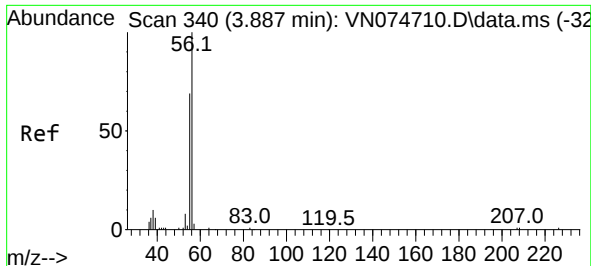
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#12  
1,1-Dichloroethene  
Concen: 1.139 ug/l  
RT: 4.034 min Scan# 365  
Delta R.T. 0.012 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

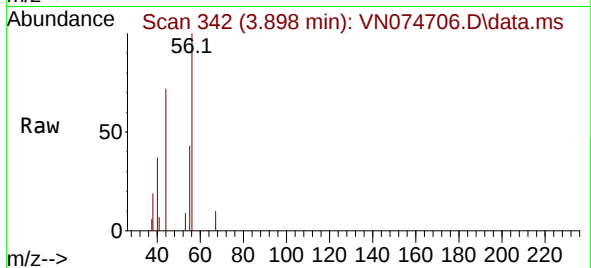
Tgt Ion: 96 Resp: 4736  
Ion Ratio Lower Upper  
96 100  
61 67.4 127.6 191.4#  
98 26.6 51.2 76.8#





#13  
Acrolein  
Concen: 4.497 ug/l m  
RT: 3.898 min Scan# 340  
Delta R.T. 0.012 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

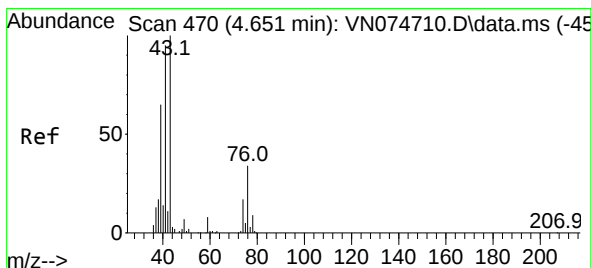
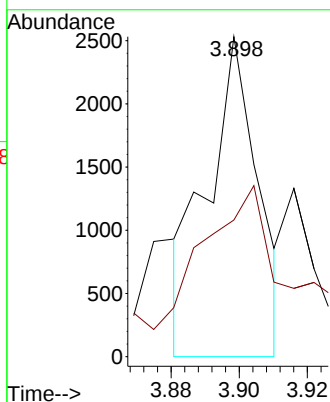
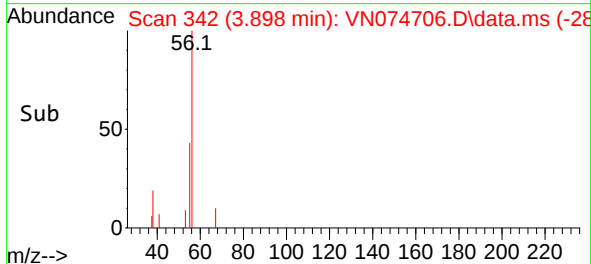
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001



Tgt Ion: 56 Resp: 2620  
Ion Ratio Lower Upper  
56 100  
55 105.4 54.8 82.2

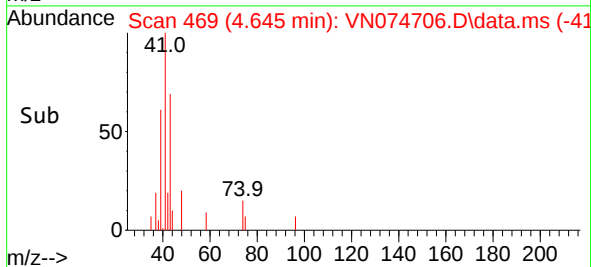
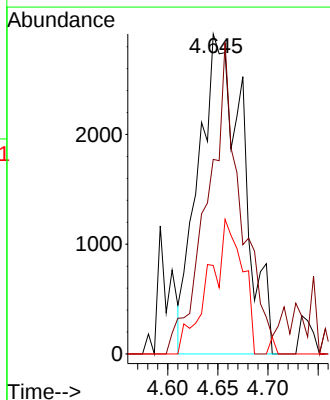
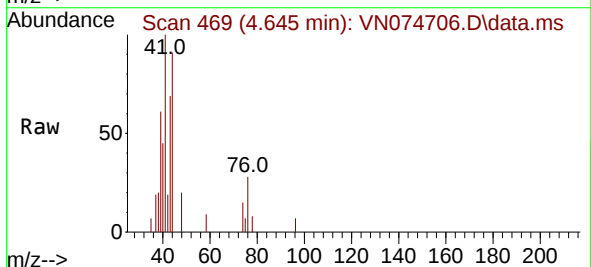
Manual Integrations  
APPROVED

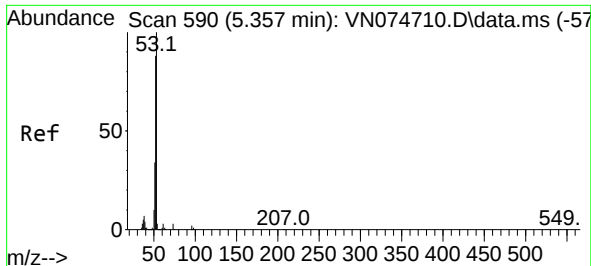
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#14  
Allyl chloride  
Concen: 1.055 ug/l  
RT: 4.645 min Scan# 469  
Delta R.T. -0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

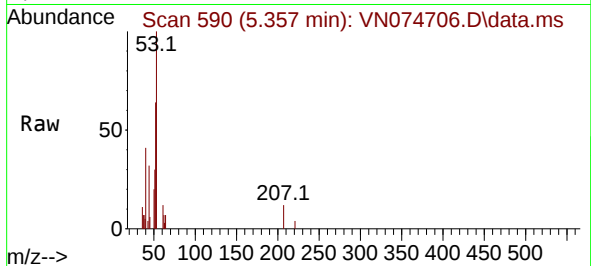
Tgt Ion: 41 Resp: 9008  
Ion Ratio Lower Upper  
41 100  
39 72.6 53.2 79.8  
76 32.0 29.9 44.9





#15  
Acrylonitrile  
Concen: 5.152 ug/l  
RT: 5.357 min Scan# 590  
Delta R.T. 0.000 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

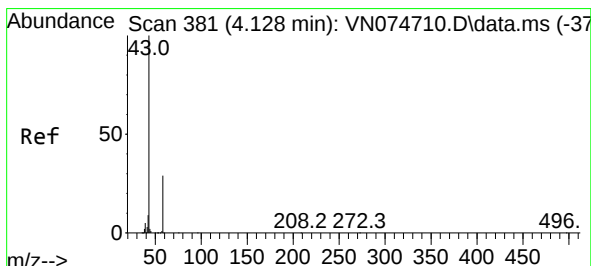
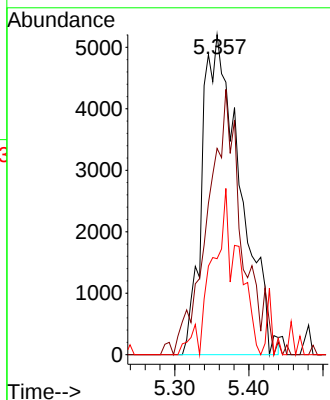
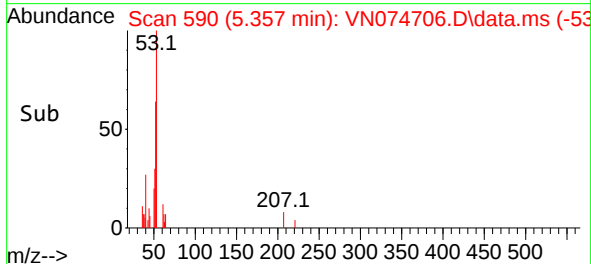
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



Tgt Ion: 53 Resp: 1858  
Ion Ratio Lower Upper  
53 100  
52 75.3 66.4 99.6  
51 35.9 28.5 42.7

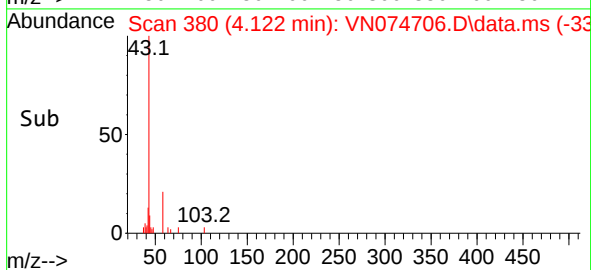
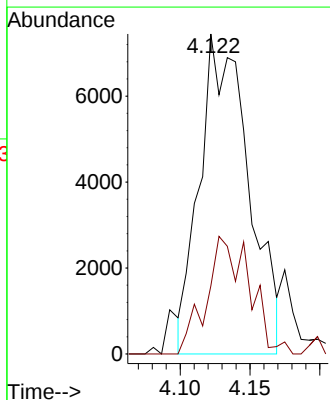
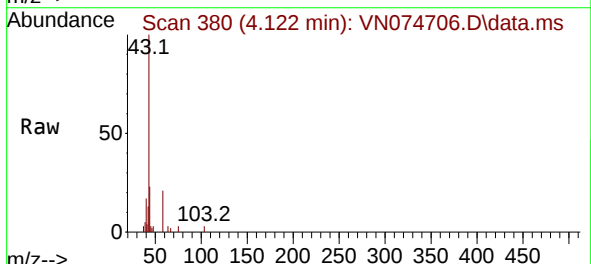
Manual Integrations  
APPROVED

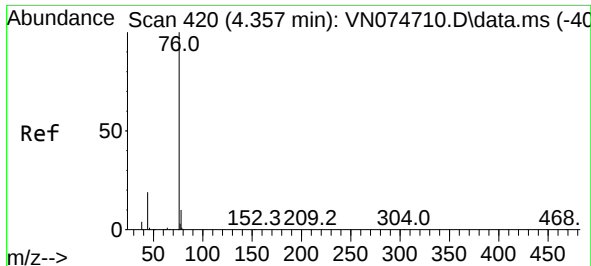
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#16  
Acetone  
Concen: 5.707 ug/l m  
RT: 4.122 min Scan# 380  
Delta R.T. -0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Tgt Ion: 43 Resp: 18093  
Ion Ratio Lower Upper  
43 100  
58 21.3 26.0 39.0#





#17

Carbon Disulfide

Concen: 1.045 ug/l

RT: 4.363 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN074706.D

Acq: 03 Oct 2022 13:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

Tgt Ion: 76 Resp: 12730

Ion Ratio Lower Upper

76 100

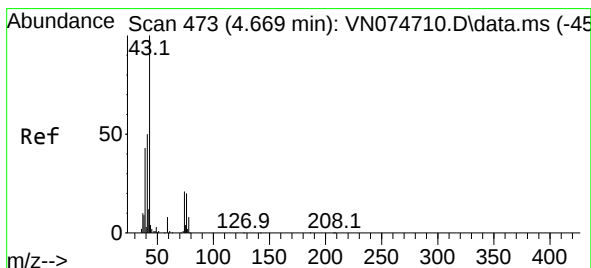
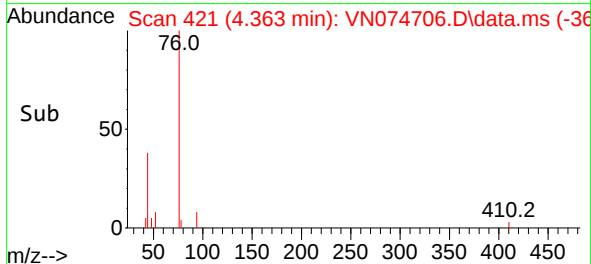
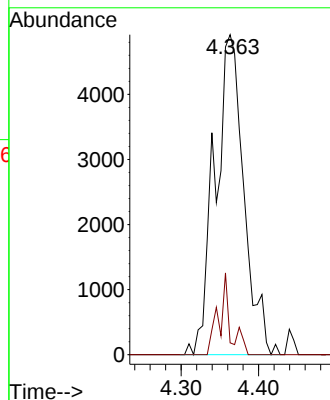
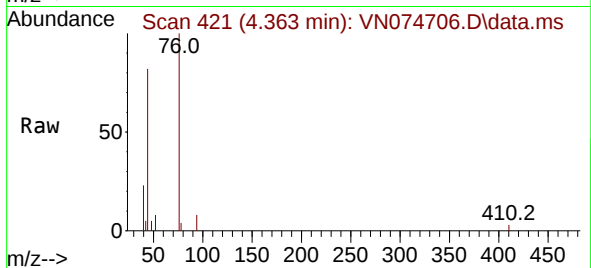
78 3.7 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/04/2022

Supervised By :Mahesh Dadoda 10/05/2022



#18

Methyl Acetate

Concen: 1.188 ug/l

RT: 4.675 min Scan# 474

Delta R.T. 0.006 min

Lab File: VN074706.D

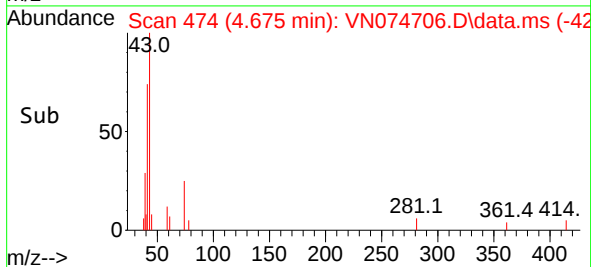
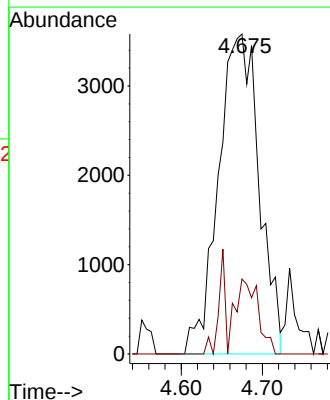
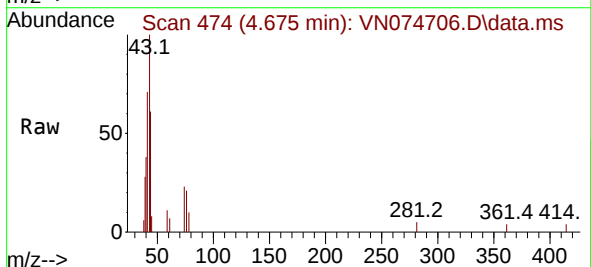
Acq: 03 Oct 2022 13:13

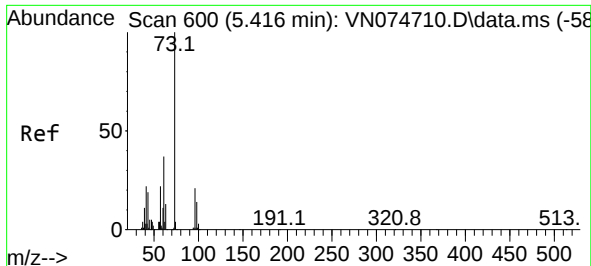
Tgt Ion: 43 Resp: 12506

Ion Ratio Lower Upper

43 100

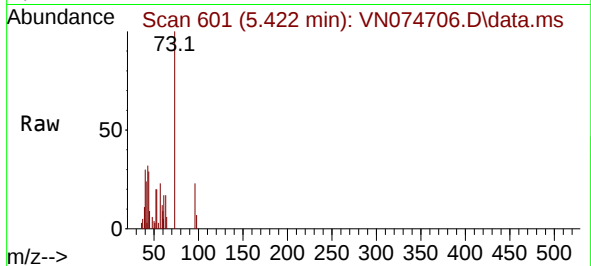
74 10.2 21.6 32.4





#19  
Methyl tert-butyl Ether  
Concen: 1.016 ug/l  
RT: 5.422 min Scan# 600  
Delta R.T. 0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

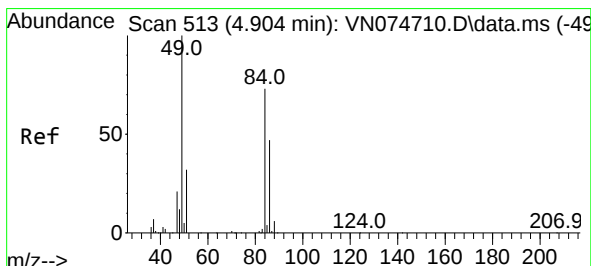
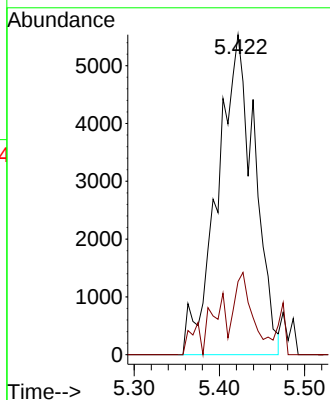
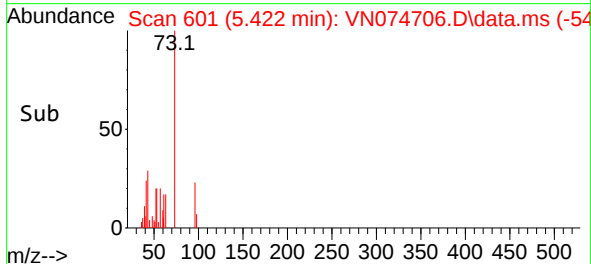
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001



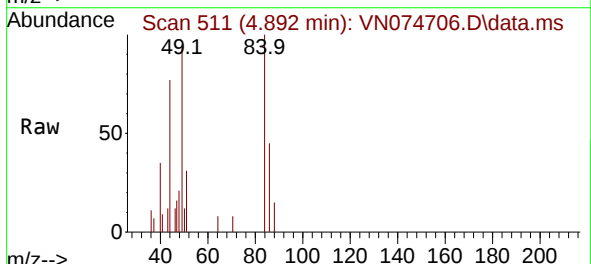
Tgt Ion: 73 Resp: 16800  
Ion Ratio Lower Upper  
73 100  
57 22.9 17.6 26.4

Manual Integrations  
APPROVED

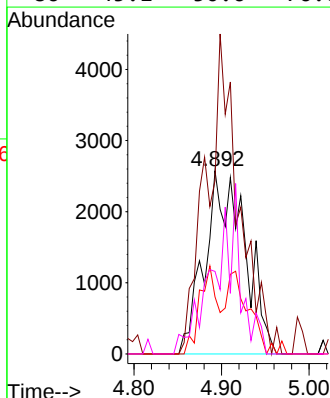
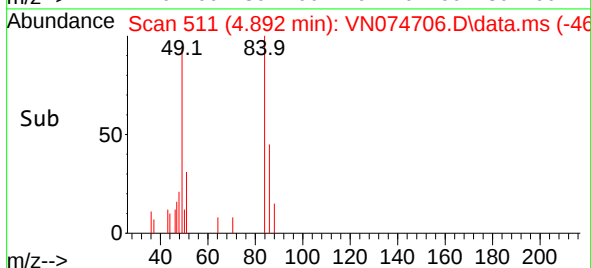
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022

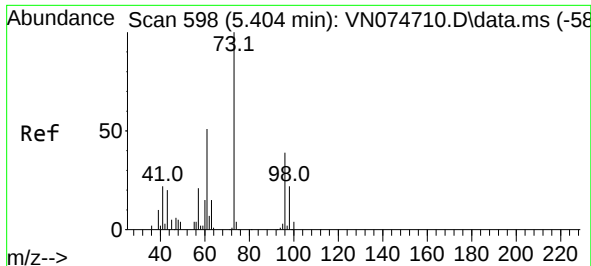


#20  
Methylene Chloride  
Concen: 1.416 ug/l m  
RT: 4.892 min Scan# 511  
Delta R.T. -0.012 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13



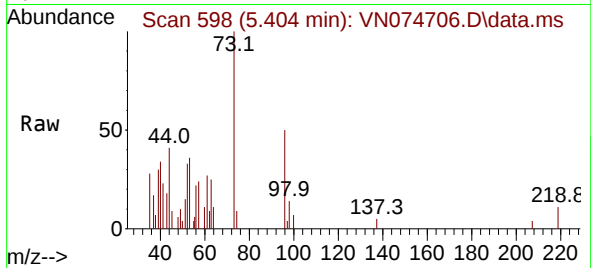
Tgt Ion: 84 Resp: 8173  
Ion Ratio Lower Upper  
84 100  
49 94.6 88.3 132.5  
51 31.2 28.2 42.2  
86 45.1 50.6 76.0#





#21  
trans-1,2-Dichloroethene  
Concen: 1.126 ug/l m  
RT: 5.404 min Scan# 598  
Delta R.T. 0.000 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

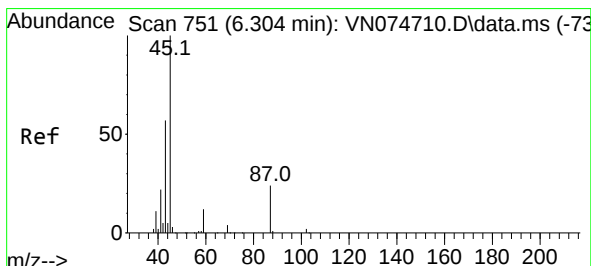
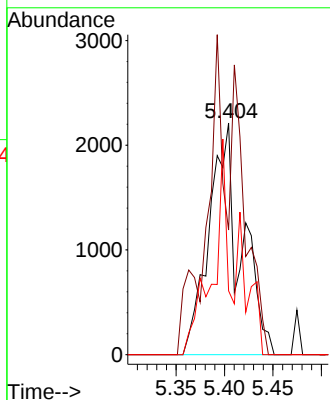
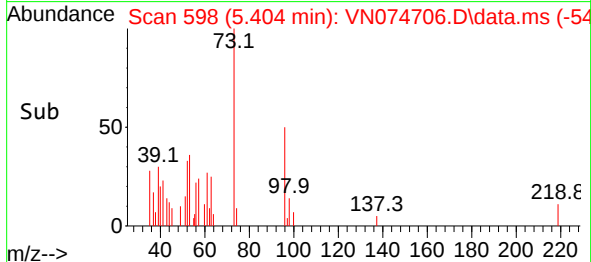
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001



Tgt Ion: 96 Resp: 5070  
Ion Ratio Lower Upper  
96 100  
61 53.8 105.8 158.8  
98 27.6 50.3 75.5

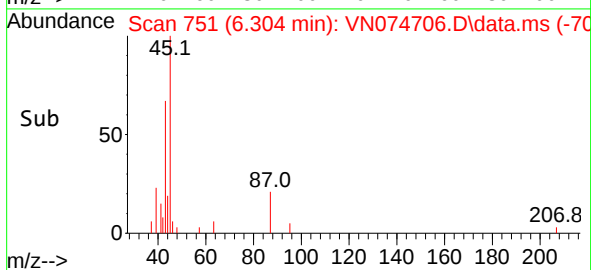
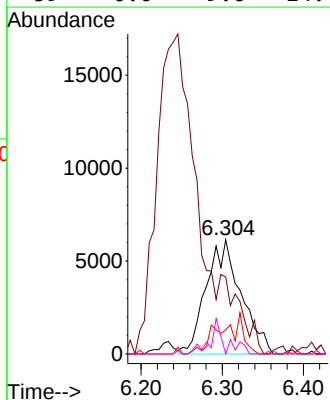
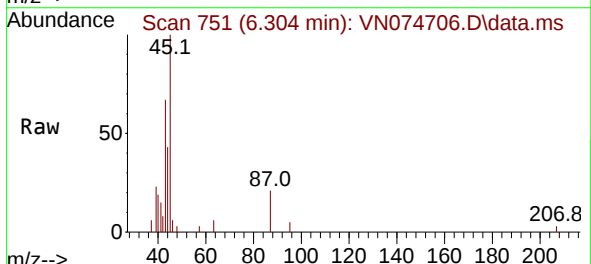
Manual Integrations  
APPROVED

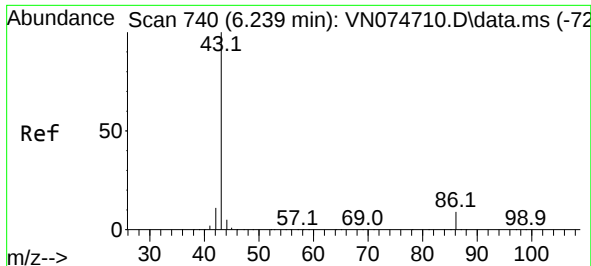
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#22  
Diisopropyl ether  
Concen: 0.977 ug/l  
RT: 6.304 min Scan# 751  
Delta R.T. 0.000 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Tgt Ion: 45 Resp: 18370  
Ion Ratio Lower Upper  
45 100  
43 62.1 46.6 70.0  
87 21.1 24.3 36.5  
59 0.0 9.6 14.4





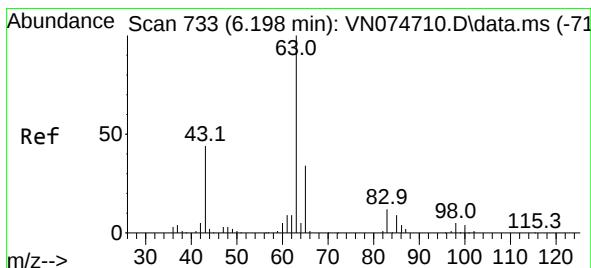
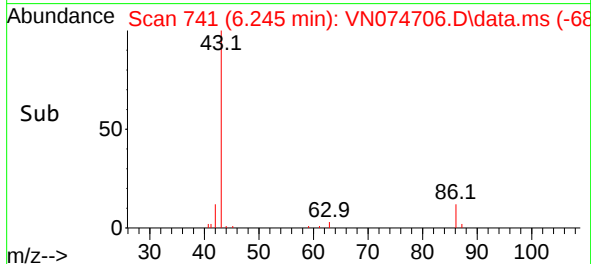
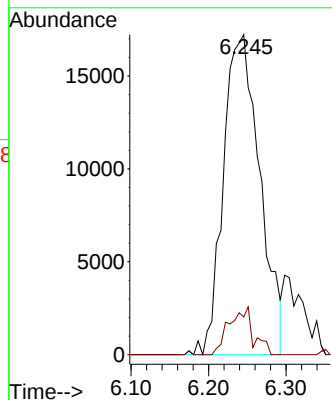
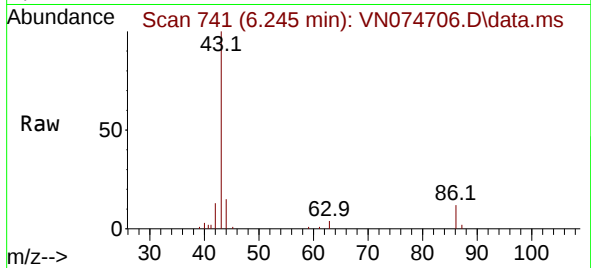
#23  
 Vinyl Acetate  
 Concen: 3.941 ug/l  
 RT: 6.245 min Scan# 741  
 Delta R.T. 0.006 min  
 Lab File: VN074706.D  
 Acq: 03 Oct 2022 13:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC001

Tgt Ion: 43 Resp: 56280  
 Ion Ratio Lower Upper  
 43 100  
 86 11.8 10.0 15.0

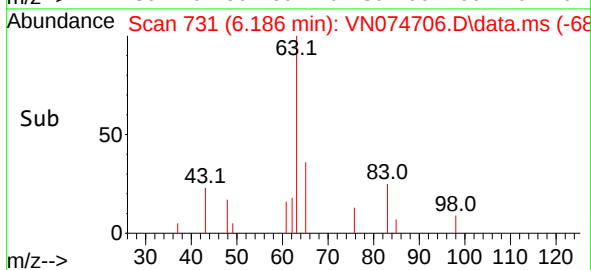
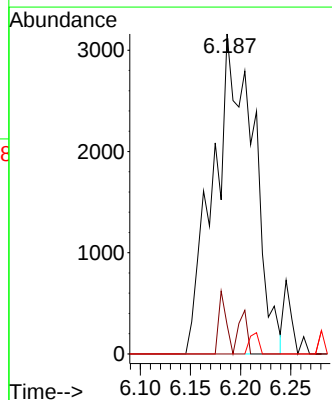
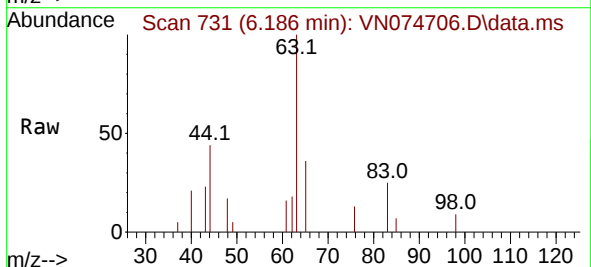
Manual Integrations  
 APPROVED

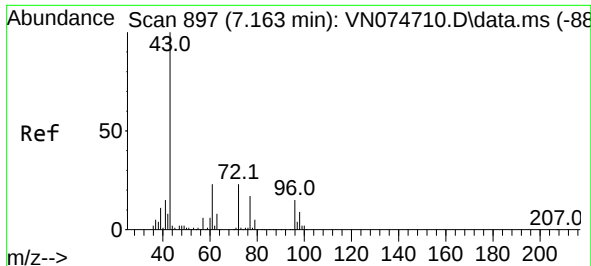
Reviewed By :John Carlone 10/04/2022  
 Supervised By :Mahesh Dadoda 10/05/2022



#24  
 1,1-Dichloroethane  
 Concen: 0.950 ug/l  
 RT: 6.186 min Scan# 731  
 Delta R.T. -0.012 min  
 Lab File: VN074706.D  
 Acq: 03 Oct 2022 13:13

Tgt Ion: 63 Resp: 8864  
 Ion Ratio Lower Upper  
 63 100  
 98 9.1 3.5 10.4  
 100 0.0 2.3 6.8





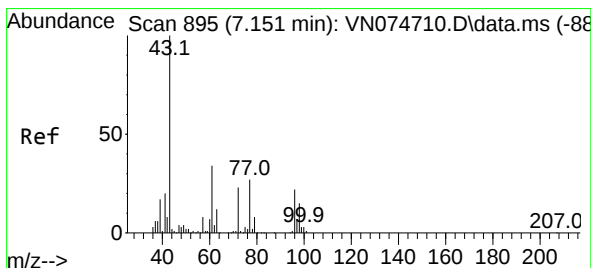
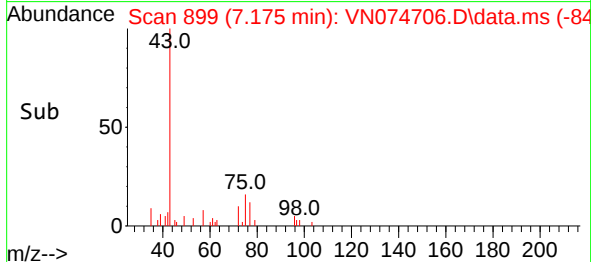
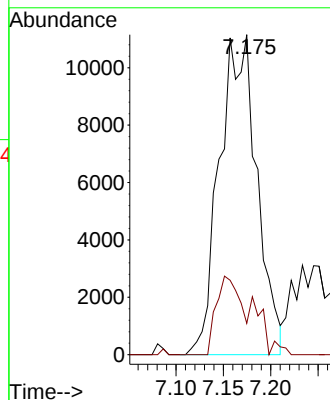
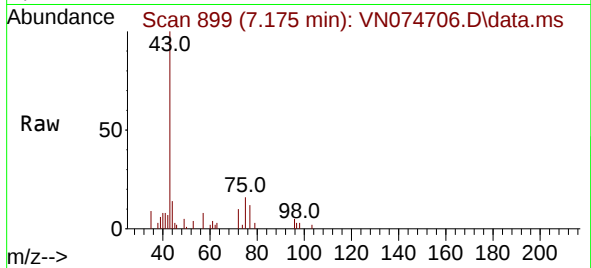
#25  
2-Butanone  
Concen: 5.546 ug/l  
RT: 7.175 min Scan# 899  
Delta R.T. 0.012 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion: 43 Resp: 3049  
Ion Ratio Lower Upper  
43 100  
72 9.8 23.7 35.5

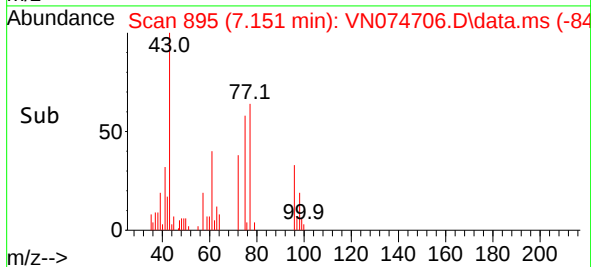
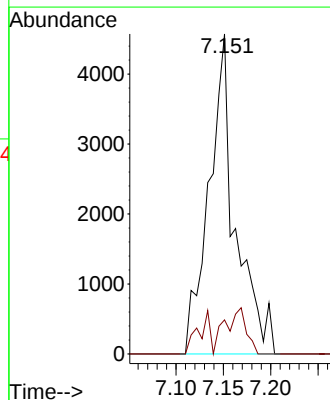
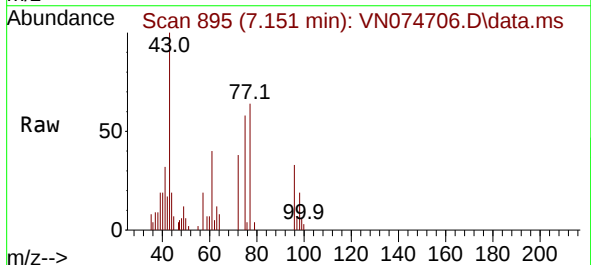
Manual Integrations  
APPROVED

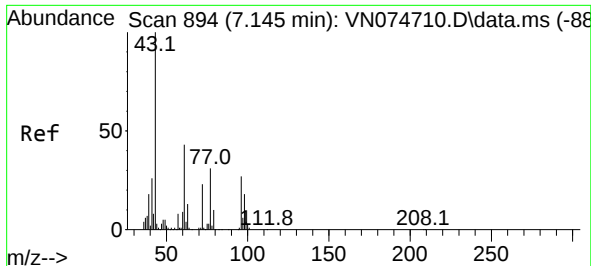
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#26  
2,2-Dichloropropane  
Concen: 1.244 ug/l  
RT: 7.151 min Scan# 895  
Delta R.T. 0.000 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Tgt Ion: 77 Resp: 8792  
Ion Ratio Lower Upper  
77 100  
97 11.7 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 1.166 ug/l

RT: 7.163 min Scan# 894

Delta R.T. 0.018 min

Lab File: VN074706.D

Acq: 03 Oct 2022 13:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

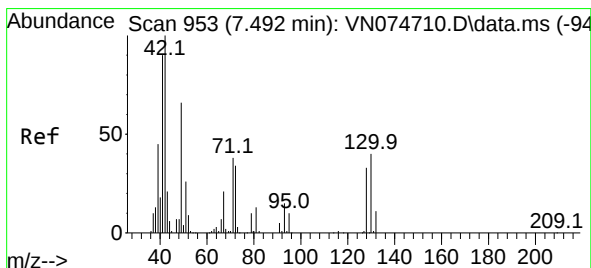
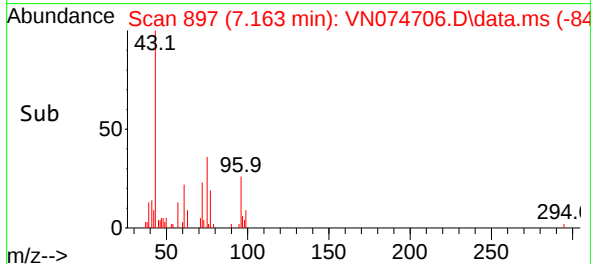
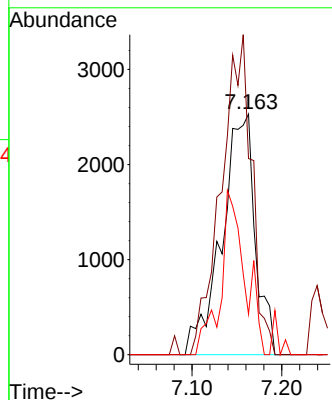
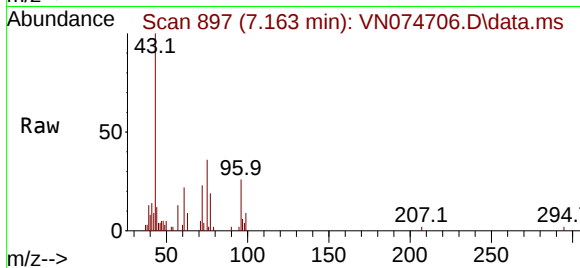
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 656   |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 120.8 | 0.0   | 280.6 |
| 98       | 0.0   | 0.0   | 128.4 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/04/2022

Supervised By :Mahesh Dadoda 10/05/2022



#28

Bromochloromethane

Concen: 0.825 ug/l m

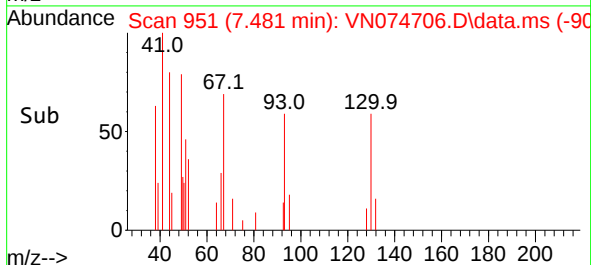
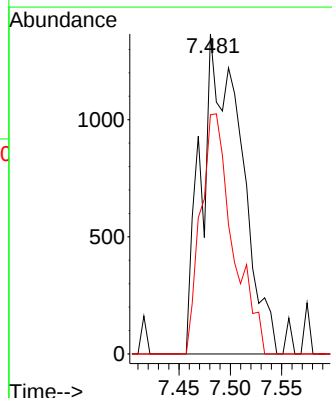
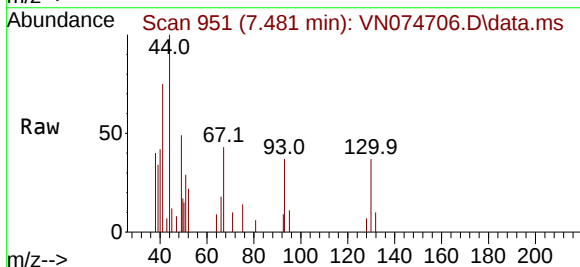
RT: 7.481 min Scan# 951

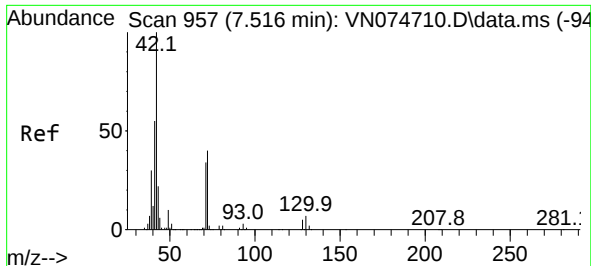
Delta R.T. -0.012 min

Lab File: VN074706.D

Acq: 03 Oct 2022 13:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 3689  |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 0.0   | 0.0   | 4.6   |
| 130      | 60.5  | 69.7  | 104.5 |





#29

Tetrahydrofuran

Concen: 5.178 ug/l

RT: 7.528 min Scan# 959

Delta R.T. 0.012 min

Lab File: VN074706.D

Acq: 03 Oct 2022 13:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC001

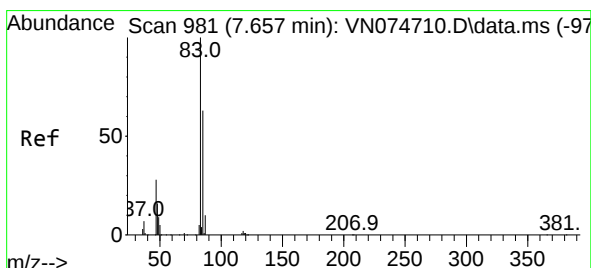
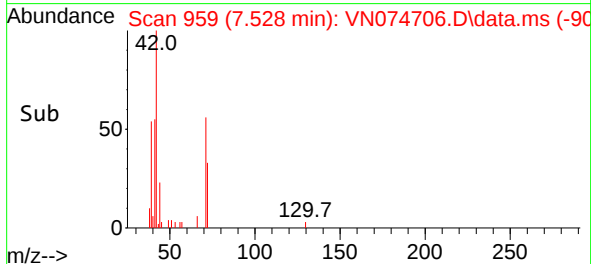
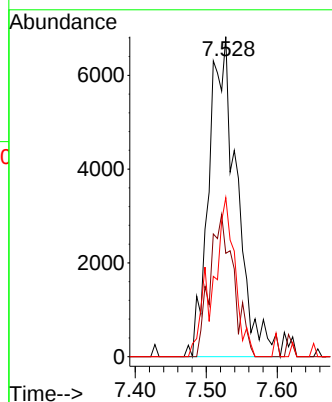
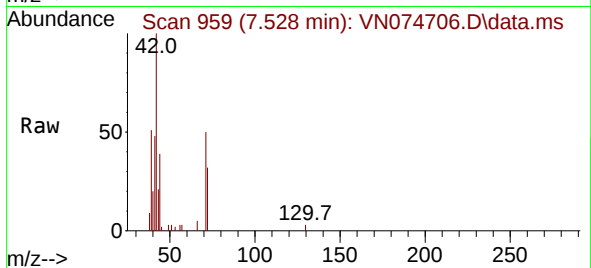
Tgt Ion: 42 Resp: 18750  
 Ion Ratio Lower Upper  
 42 100  
 72 37.7 39.7 59.5  
 71 31.5 36.6 55.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/04/2022

Supervised By :Mahesh Dadoda 10/05/2022



#30

Chloroform

Concen: 0.960 ug/l

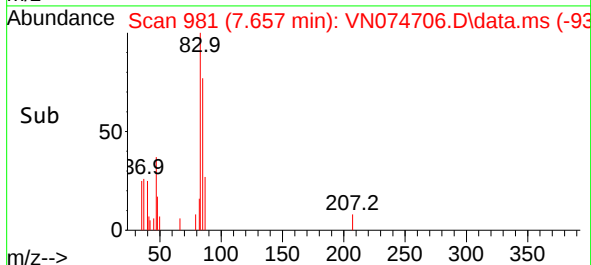
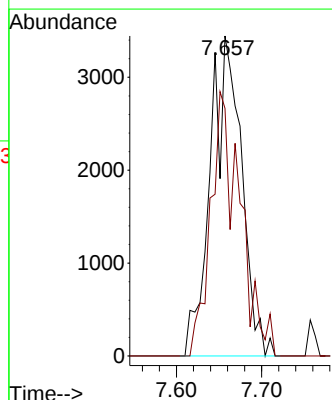
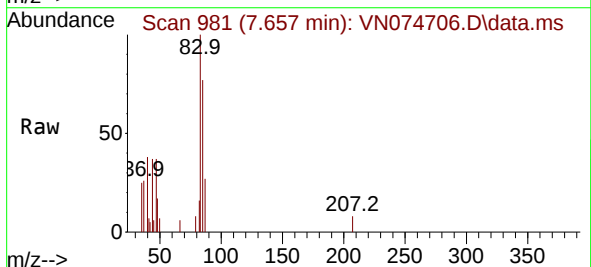
RT: 7.657 min Scan# 981

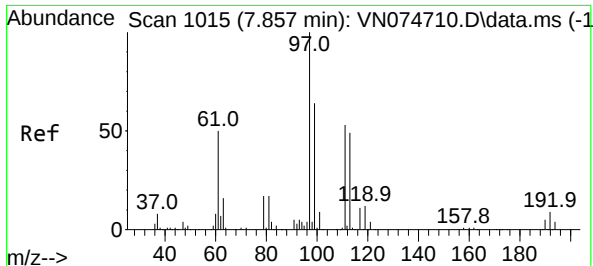
Delta R.T. 0.000 min

Lab File: VN074706.D

Acq: 03 Oct 2022 13:13

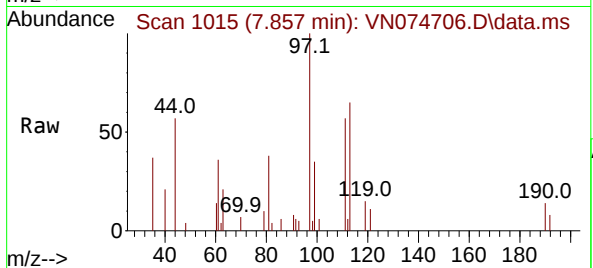
Tgt Ion: 83 Resp: 8753  
 Ion Ratio Lower Upper  
 83 100  
 85 77.4 51.8 77.8





#32  
1,1,1-Trichloroethane  
Concen: 1.078 ug/l  
RT: 7.857 min Scan# 1015  
Delta R.T. 0.000 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

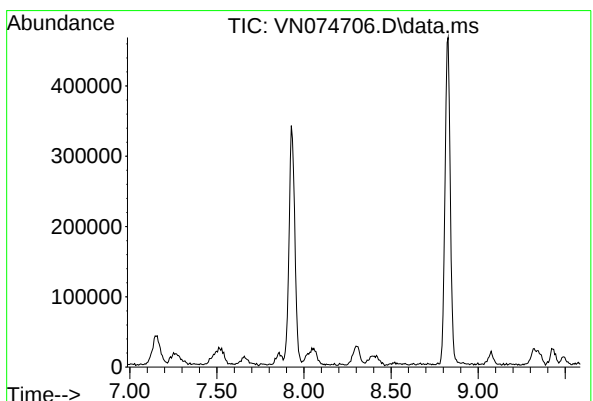
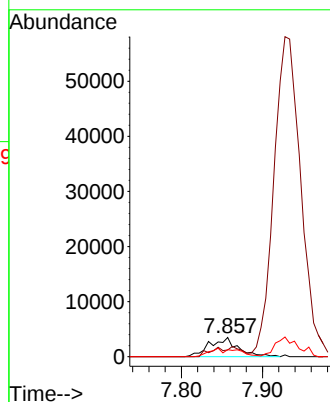
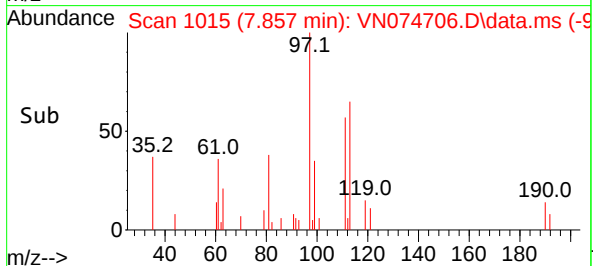
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001



Tgt Ion: 97 Resp: 8450  
Ion Ratio Lower Upper  
97 100  
99 0.0 50.6 76.0  
61 20.5 36.0 54.0

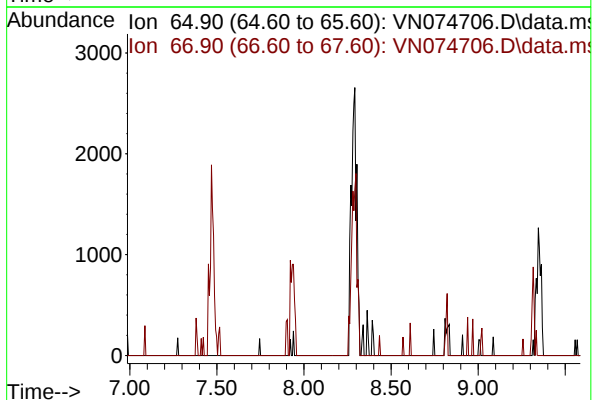
Manual Integrations  
APPROVED

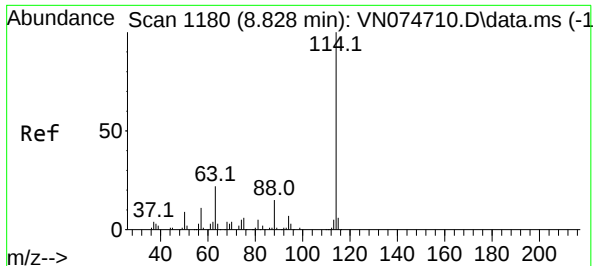
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#33  
1,2-Dichloroethane-d4  
Concen: 0.000 ug/l  
Expected RT: 8.29 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Tgt Ion: 65  
Sig Exp Ratio  
65 100  
67 52.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.828 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VN074706.D

Acq: 03 Oct 2022 13:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC001

Tgt Ion:114 Resp: 392599

Ion Ratio Lower Upper

114 100

63 23.1 0.0 40.0

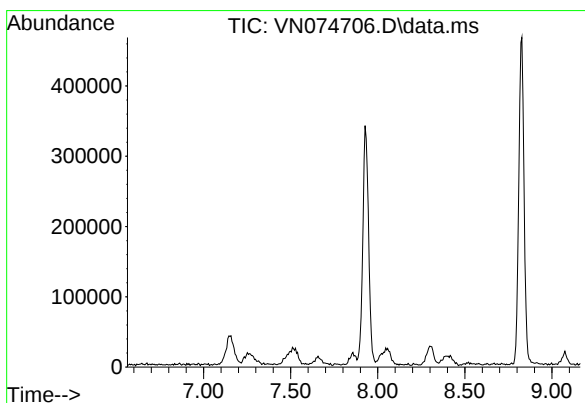
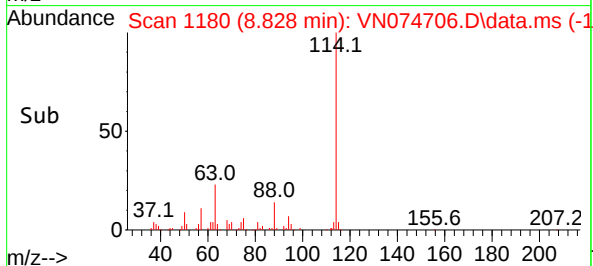
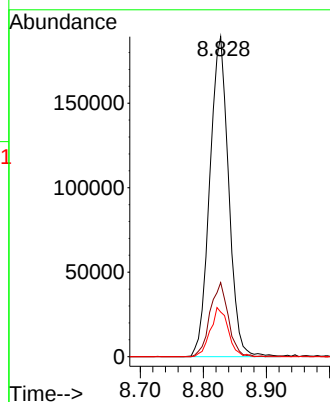
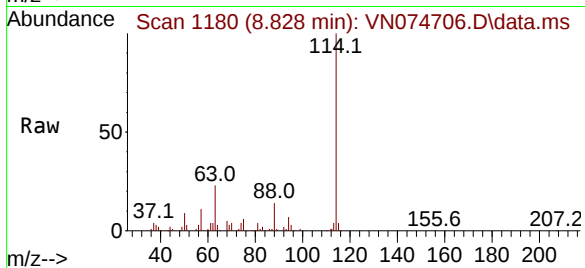
88 14.0 0.0 32.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/04/2022

Supervised By :Mahesh Dadoda 10/05/2022



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.86 min

Lab File: VN074706.D

Acq: 03 Oct 2022 13:13

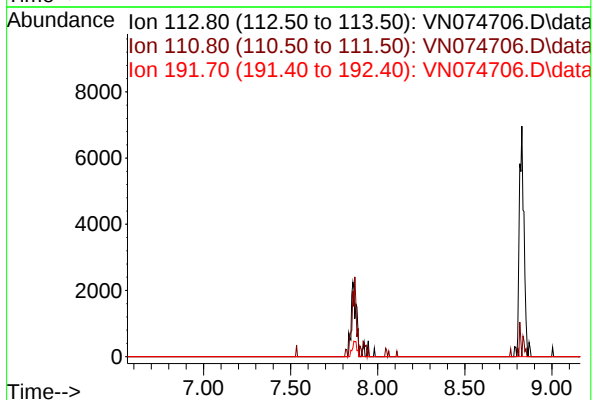
Tgt Ion: 113

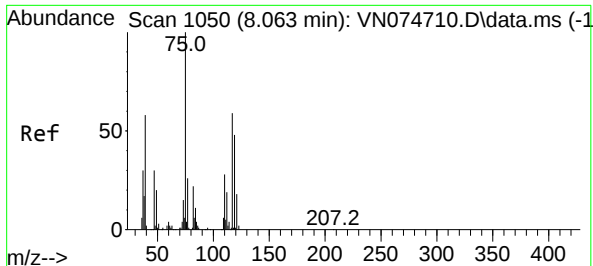
Sig Exp Ratio

113 100

111 101.7

192 21.3





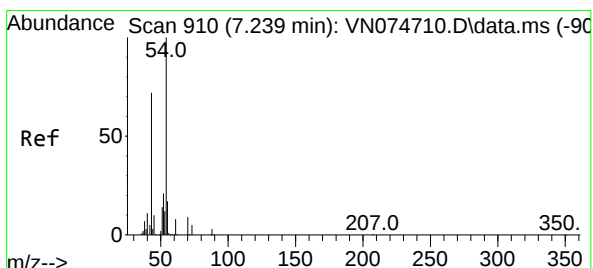
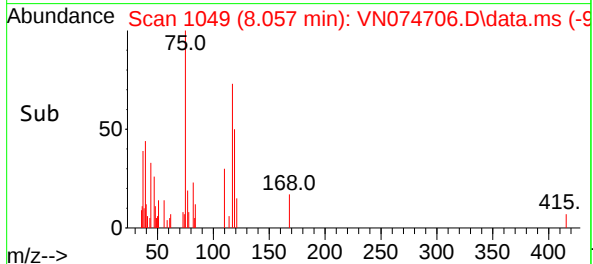
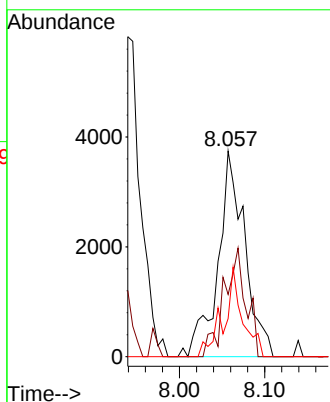
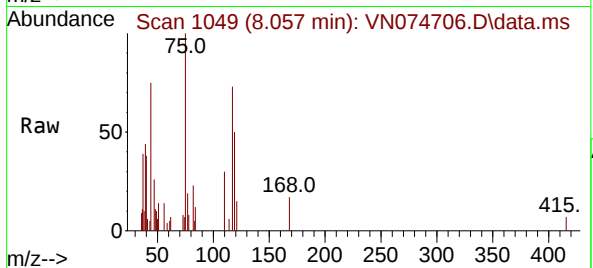
#36  
1,1-Dichloropropene  
Concen: 1.196 ug/l  
RT: 8.057 min Scan# 1049  
Delta R.T. -0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

Tgt Ion: 75 Resp: 822  
Ion Ratio Lower Upper  
75 100  
110 42.6 18.3 54.8  
77 30.7 25.1 37.7

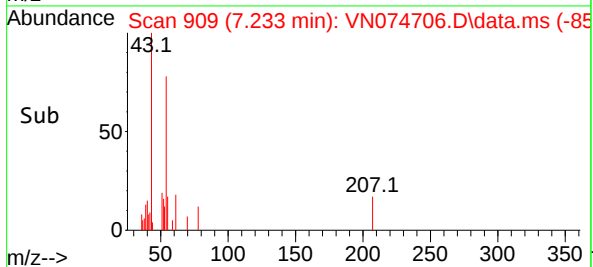
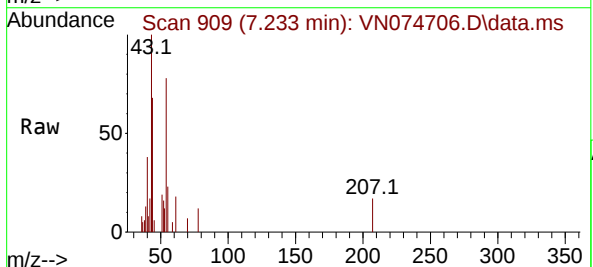
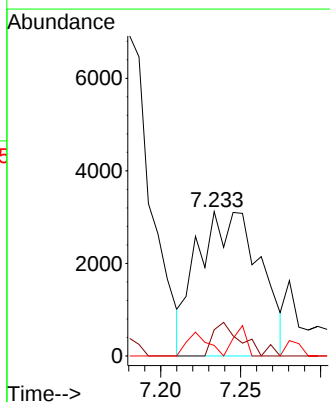
Manual Integrations  
APPROVED

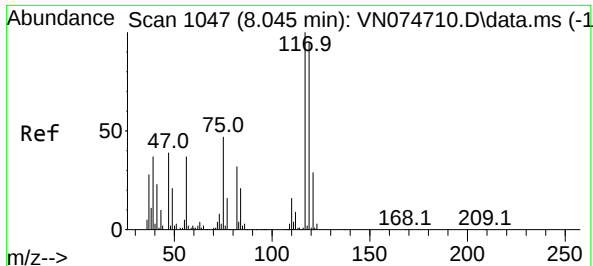
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#37  
Ethyl Acetate  
Concen: 0.870 ug/l m  
RT: 7.233 min Scan# 909  
Delta R.T. -0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

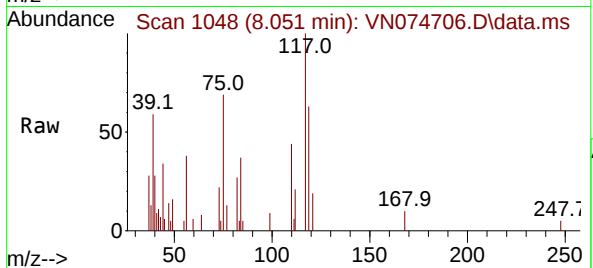
Tgt Ion: 43 Resp: 8472  
Ion Ratio Lower Upper  
43 100  
61 10.9 11.8 17.6#  
70 4.3 9.3 13.9#





#38  
Carbon Tetrachloride  
Concen: 1.168 ug/l  
RT: 8.051 min Scan# 1048  
Delta R.T. 0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

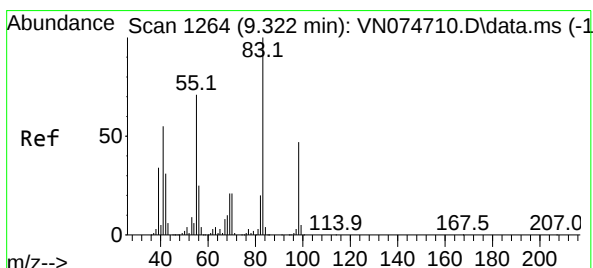
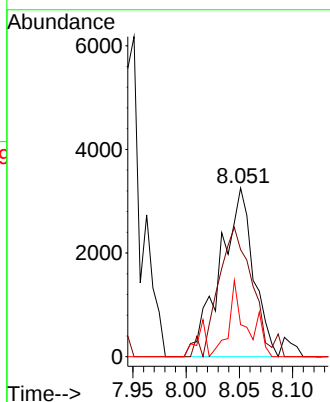
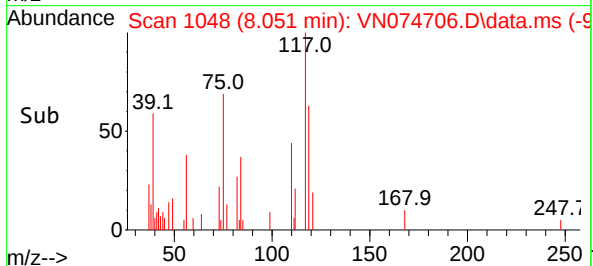
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



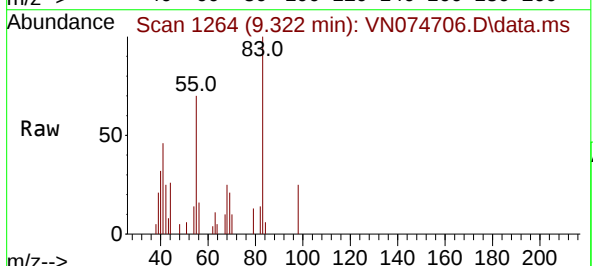
Tgt Ion: 117 Resp: 710  
Ion Ratio Lower Upper  
117 100  
119 63.5 75.8 113.8  
121 19.0 24.6 37.0

Manual Integrations  
APPROVED

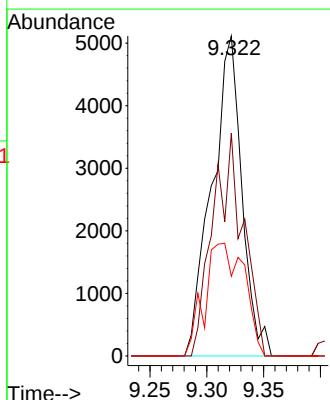
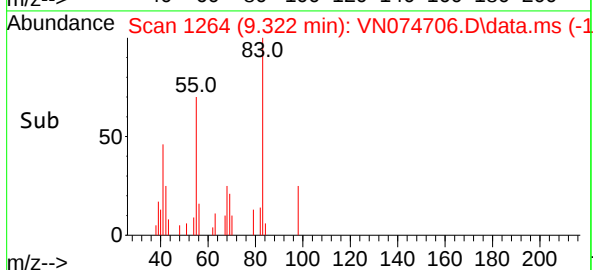
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022

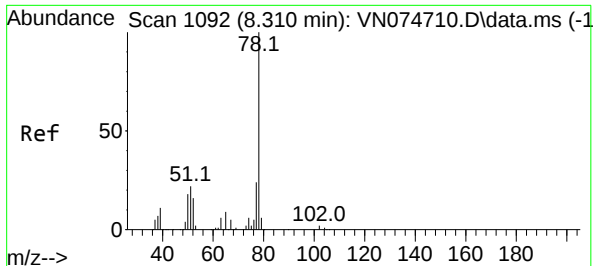


#39  
Methylcyclohexane  
Concen: 1.127 ug/l  
RT: 9.322 min Scan# 1264  
Delta R.T. 0.000 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13



Tgt Ion: 83 Resp: 9387  
Ion Ratio Lower Upper  
83 100  
55 69.6 57.8 86.8  
98 24.9 39.4 59.2





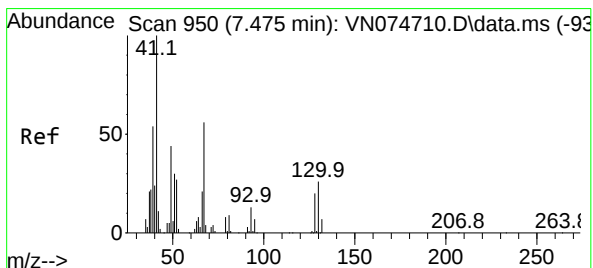
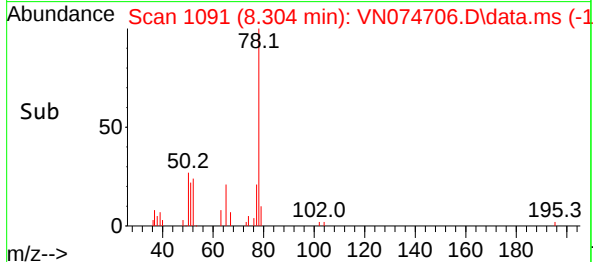
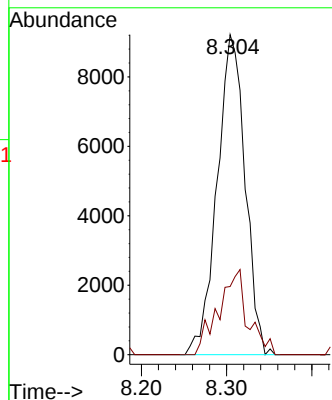
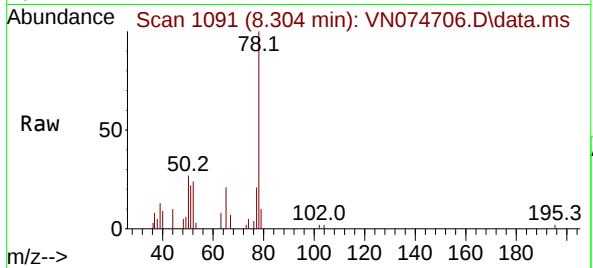
#40  
Benzene  
Concen: 1.002 ug/l  
RT: 8.304 min Scan# 1091  
Delta R.T. -0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion: 78 Resp: 2100  
Ion Ratio Lower Upper  
78 100  
77 21.3 19.4 29.0

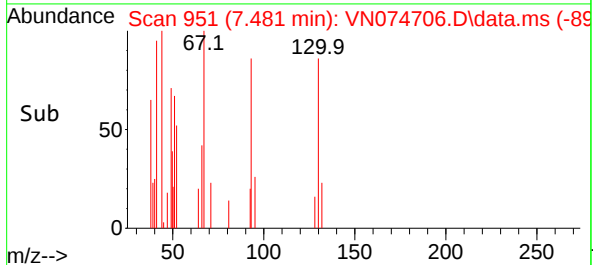
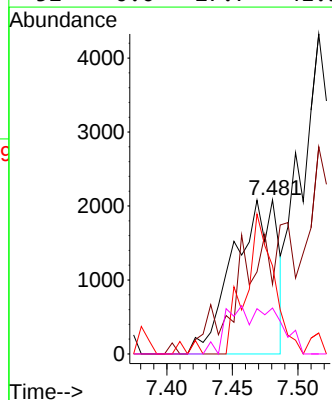
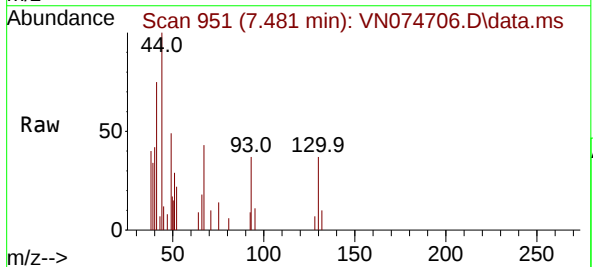
Manual Integrations  
APPROVED

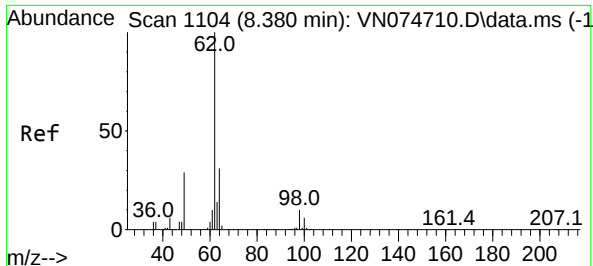
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#41  
Methacrylonitrile  
Concen: 1.064 ug/l  
RT: 7.481 min Scan# 951  
Delta R.T. 0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Tgt Ion: 41 Resp: 4865  
Ion Ratio Lower Upper  
41 100  
39 84.9 48.6 73.0#  
67 0.0 73.4 110.2#  
52 0.0 27.7 41.5#





#42

1,2-Dichloroethane

Concen: 1.050 ug/l

RT: 8.380 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VN074706.D

Acq: 03 Oct 2022 13:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC001

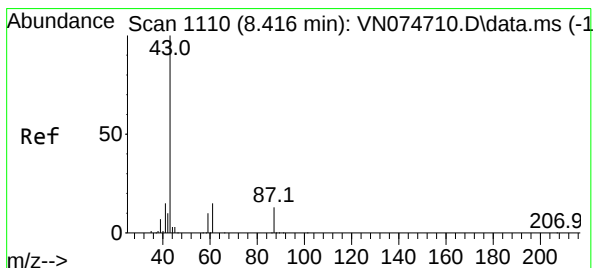
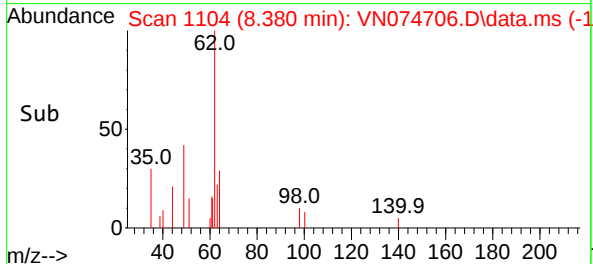
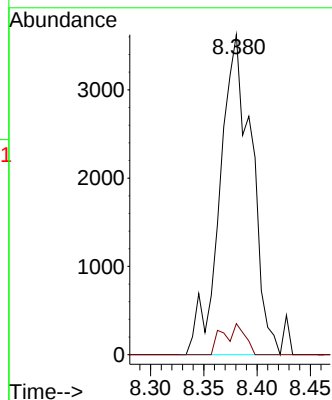
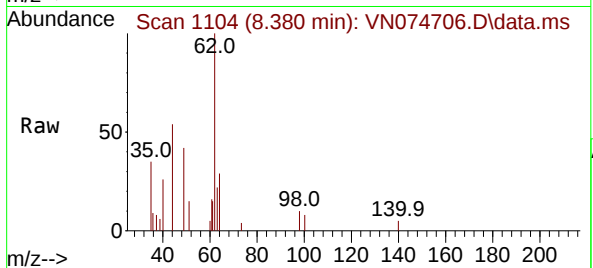
Tgt Ion: 62 Resp: 7529  
 Ion Ratio Lower Upper  
 62 100  
 98 3.6 0.0 19.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/04/2022

Supervised By :Mahesh Dadoda 10/05/2022



#43

Isopropyl Acetate

Concen: 0.901 ug/l

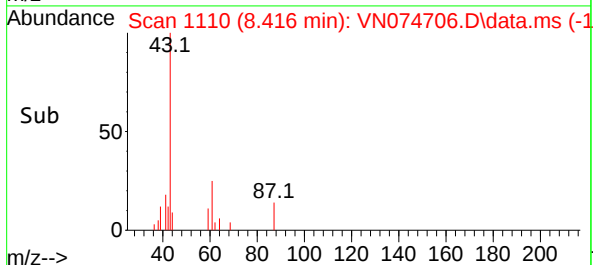
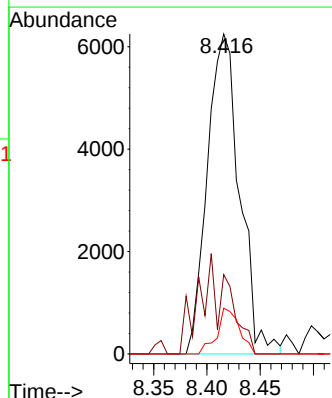
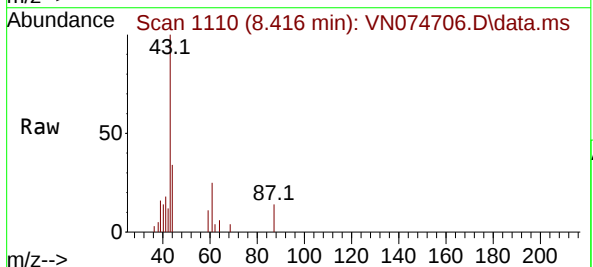
RT: 8.416 min Scan# 1110

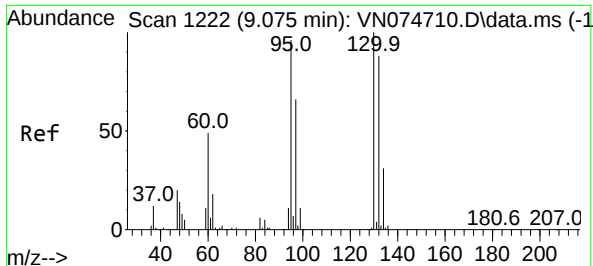
Delta R.T. 0.000 min

Lab File: VN074706.D

Acq: 03 Oct 2022 13:13

Tgt Ion: 43 Resp: 13214  
 Ion Ratio Lower Upper  
 43 100  
 61 16.4 21.9 32.9#  
 87 9.8 12.0 18.0#





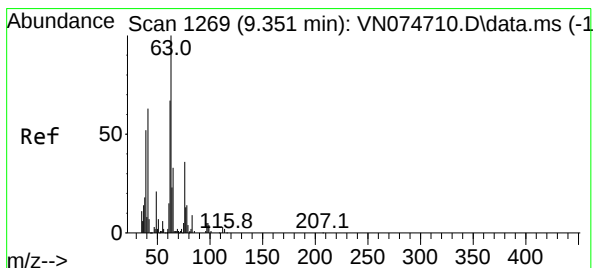
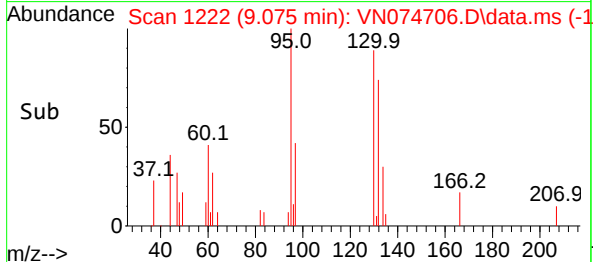
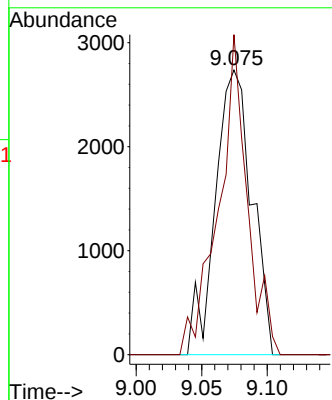
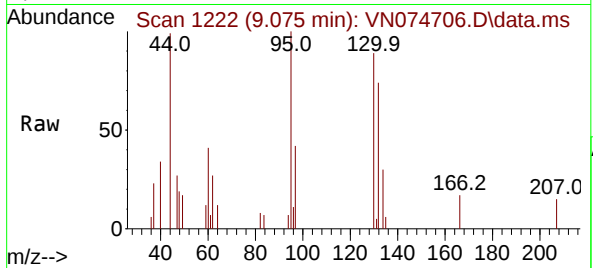
#44  
Trichloroethene  
Concen: 1.149 ug/l  
RT: 9.075 min Scan# 1222  
Delta R.T. 0.000 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion:130 Resp: 5318  
Ion Ratio Lower Upper  
130 100  
95 112.4 0.0 186.8

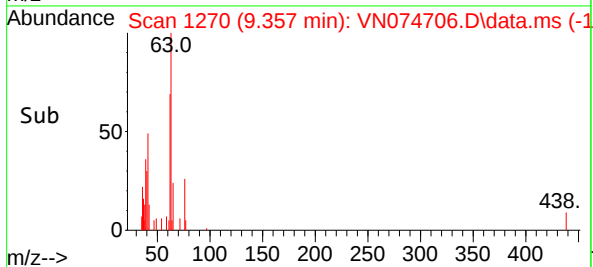
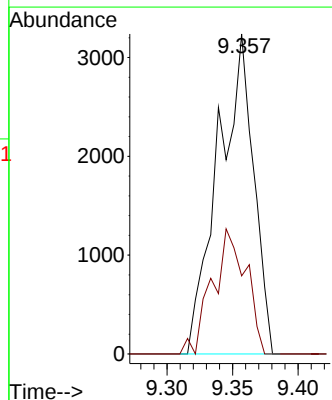
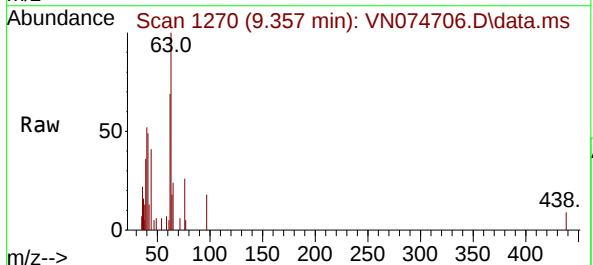
Manual Integrations  
APPROVED

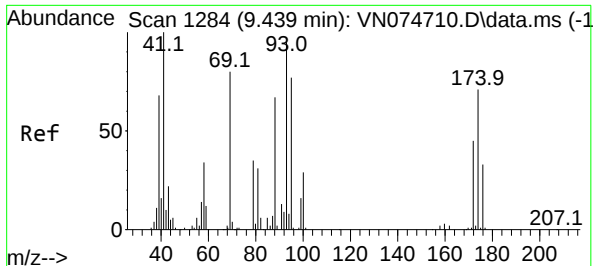
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#45  
1,2-Dichloropropane  
Concen: 1.094 ug/l  
RT: 9.357 min Scan# 1270  
Delta R.T. 0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

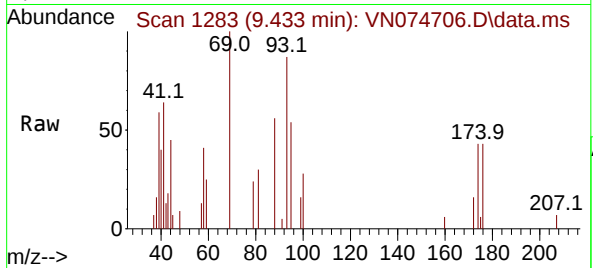
Tgt Ion: 63 Resp: 6079  
Ion Ratio Lower Upper  
63 100  
65 24.4 24.9 37.3#





#46  
Dibromomethane  
Concen: 1.238 ug/l m  
RT: 9.433 min Scan# 1283  
Delta R.T. -0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

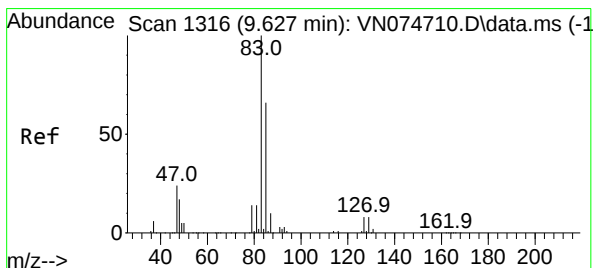
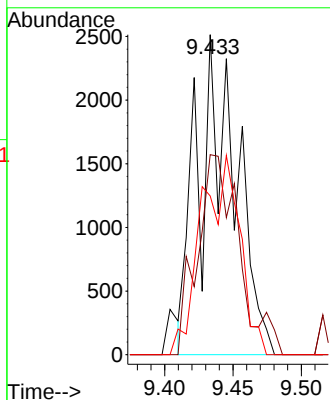
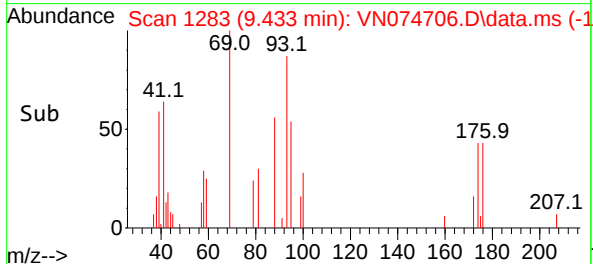
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



Tgt Ion: 93 Resp: 4794  
Ion Ratio Lower Upper  
93 100  
95 69.7 66.9 100.3  
174 34.3 86.6 130.0

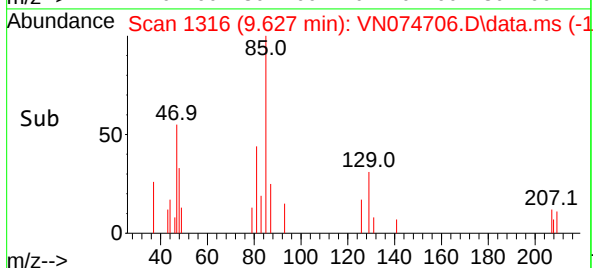
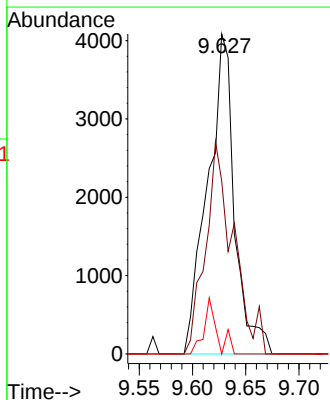
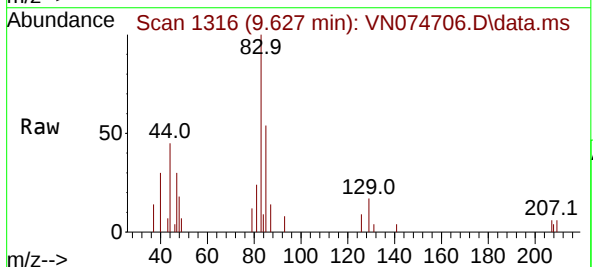
Manual Integrations  
APPROVED

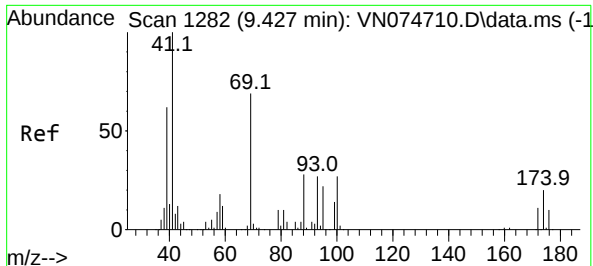
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#47  
Bromodichloromethane  
Concen: 1.012 ug/l  
RT: 9.627 min Scan# 1316  
Delta R.T. 0.000 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

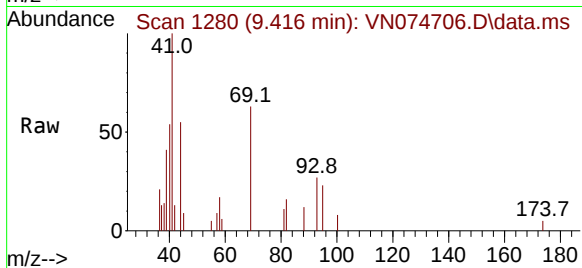
Tgt Ion: 83 Resp: 7135  
Ion Ratio Lower Upper  
83 100  
85 54.0 50.5 75.7  
127 0.0 6.8 10.2





#48  
Methyl methacrylate  
Concen: 0.981 ug/l  
RT: 9.416 min Scan# 1280  
Delta R.T. -0.012 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

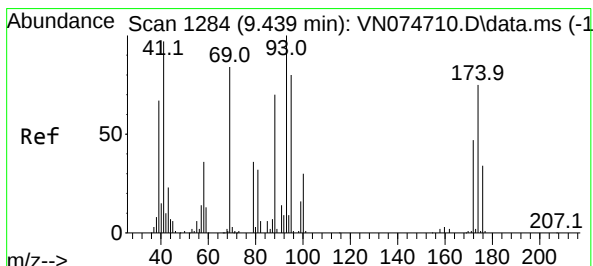
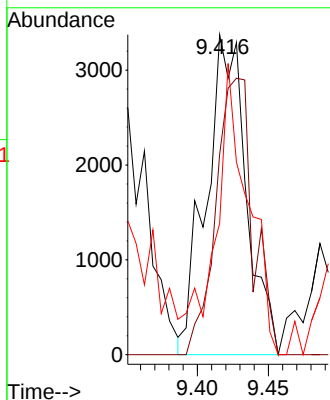
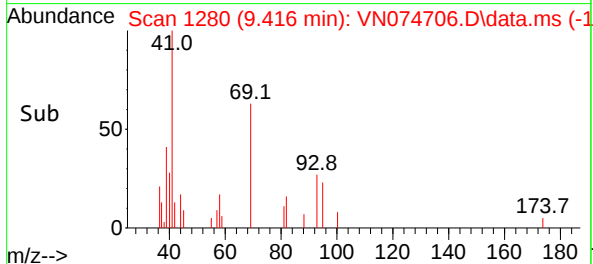
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



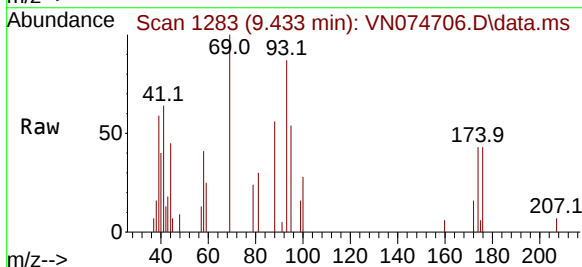
Tgt Ion: 41 Resp: 6594  
Ion Ratio Lower Upper  
41 100  
69 80.3 74.7 112.1  
39 72.0 45.6 68.4

Manual Integrations  
APPROVED

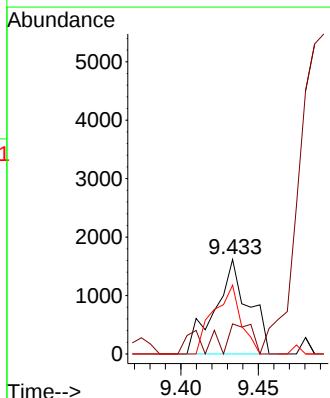
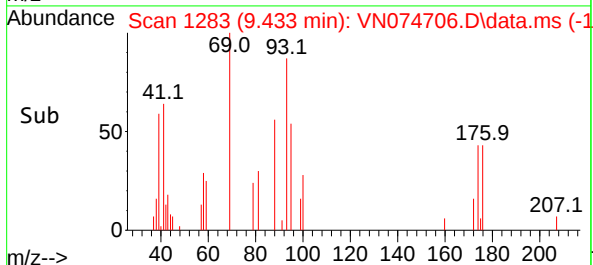
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022

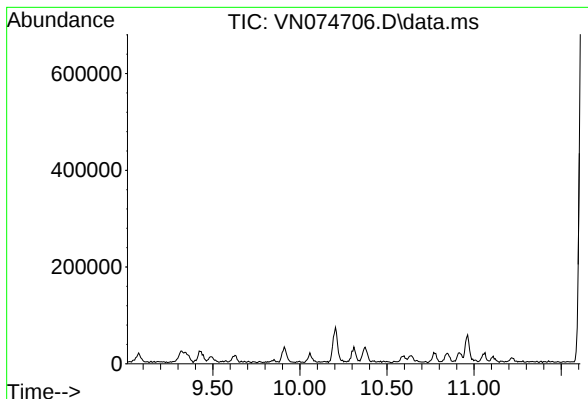


#49  
1,4-Dioxane  
Concen: 19.569 ug/l  
RT: 9.433 min Scan# 1283  
Delta R.T. -0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13



Tgt Ion: 88 Resp: 2432  
Ion Ratio Lower Upper  
88 100  
43 27.3 20.2 30.4  
58 59.8 54.2 81.4





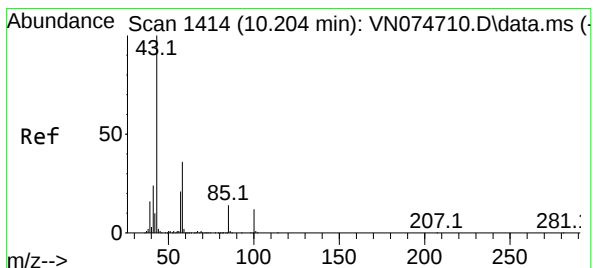
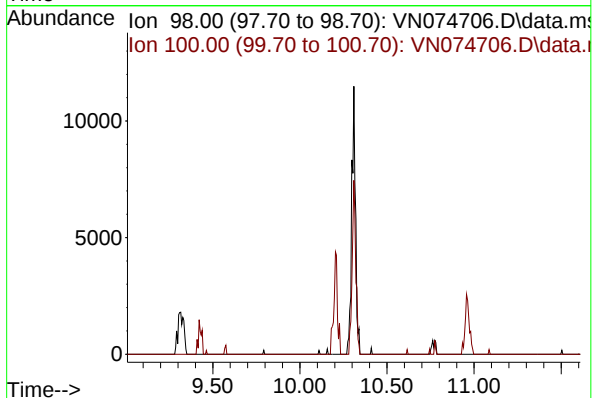
#50  
Toluene-d8  
Concen: 0.000 ug/l  
Expected RT: 10.31 min  
  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

Tgt Ion: 98  
Sig Exp Ratio  
98 100  
100 65.7

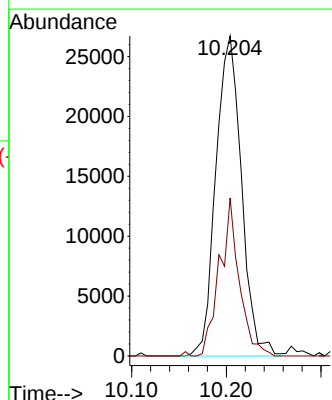
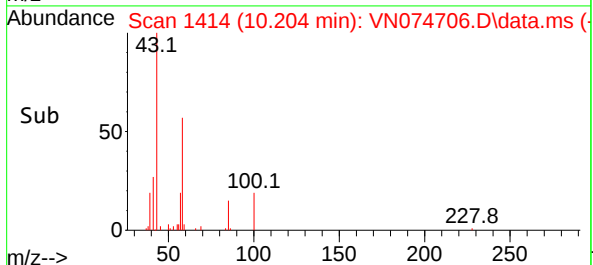
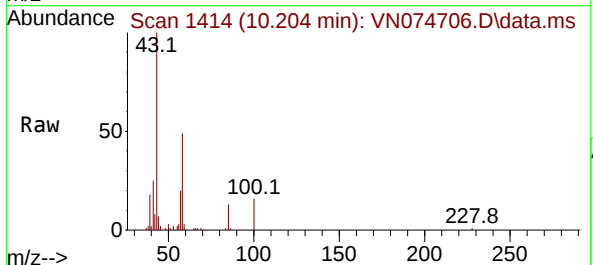
Manual Integrations  
APPROVED

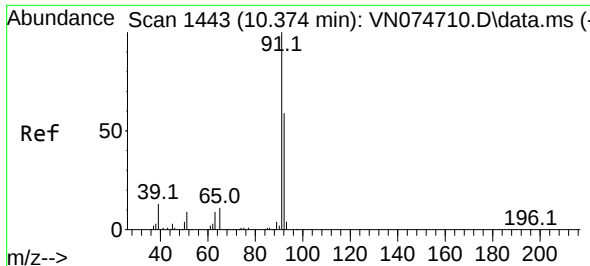
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#51  
4-Methyl-2-Pentanone  
Concen: 4.744 ug/l  
RT: 10.204 min Scan# 1414  
Delta R.T. 0.000 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

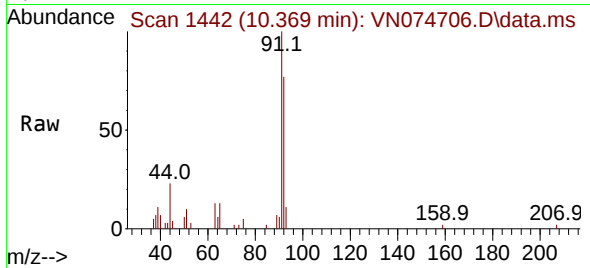
Tgt Ion: 43 Resp: 50132  
Ion Ratio Lower Upper  
43 100  
58 38.2 34.1 51.1





#52  
Toluene  
Concen: 1.029 ug/l  
RT: 10.369 min Scan# 1442  
Delta R.T. -0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

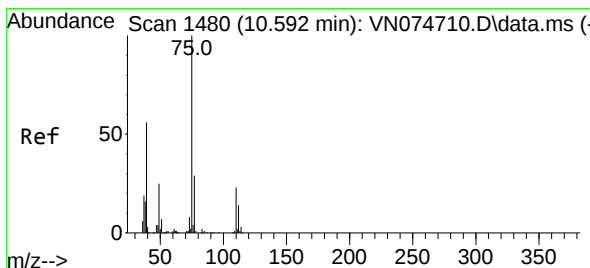
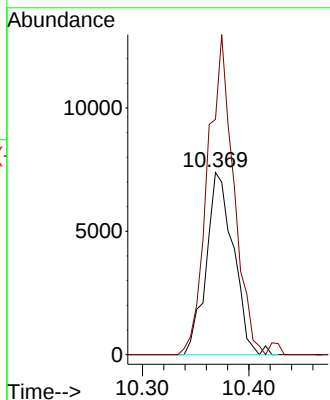
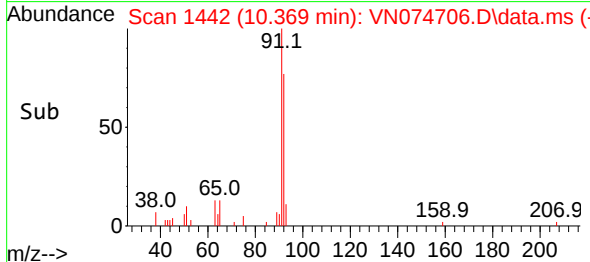
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001



Tgt Ion: 92 Resp: 13124  
Ion Ratio Lower Upper  
92 100  
91 168.1 138.6 207.8

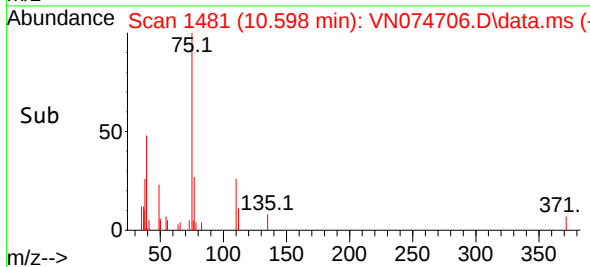
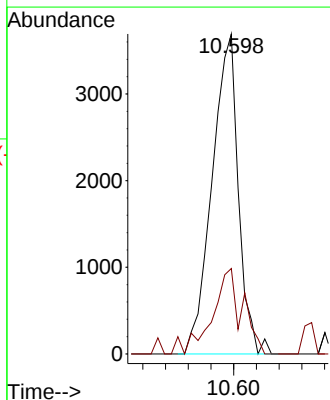
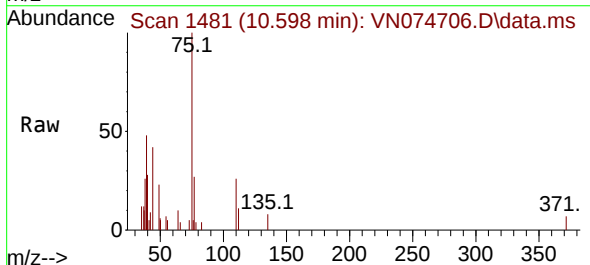
Manual Integrations  
APPROVED

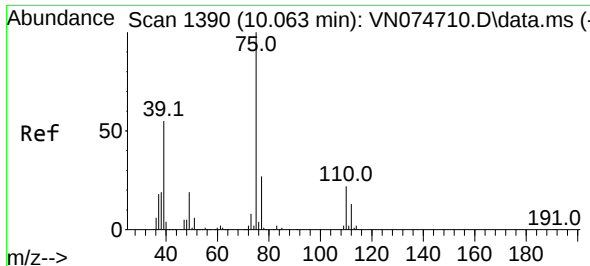
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#53  
t-1,3-Dichloropropene  
Concen: 0.854 ug/l  
RT: 10.598 min Scan# 1481  
Delta R.T. 0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

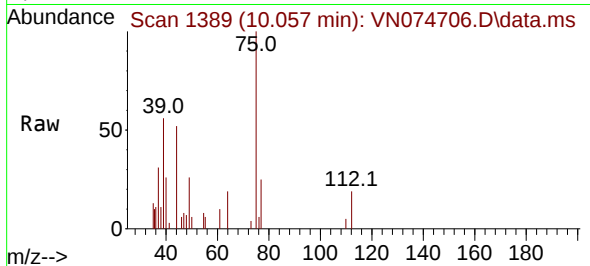
Tgt Ion: 75 Resp: 5937  
Ion Ratio Lower Upper  
75 100  
77 26.7 25.6 38.4





#54  
cis-1,3-Dichloropropene  
Concen: 0.953 ug/l  
RT: 10.057 min Scan# 1389  
Delta R.T. -0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

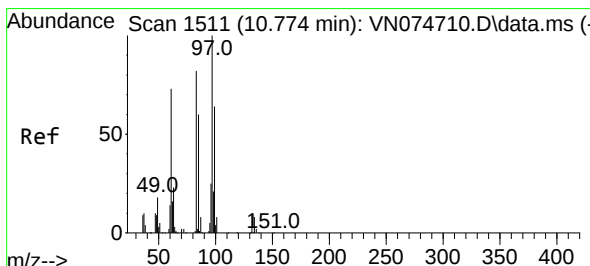
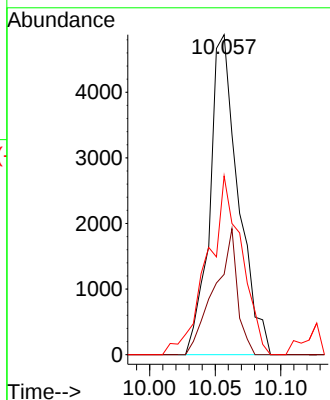
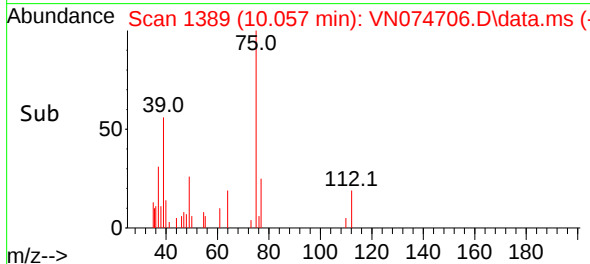
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



Tgt Ion: 75 Resp: 740  
Ion Ratio Lower Upper  
75 100  
77 25.1 25.2 37.8  
39 55.8 35.7 53.5

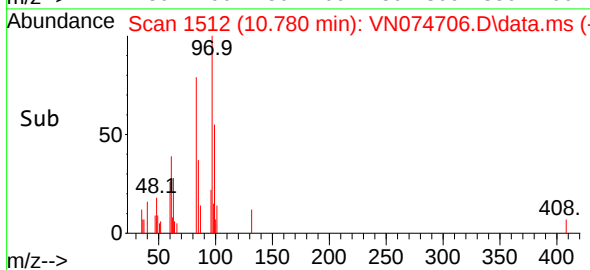
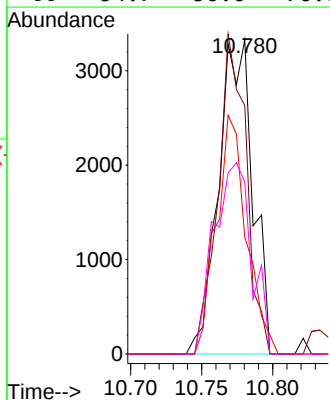
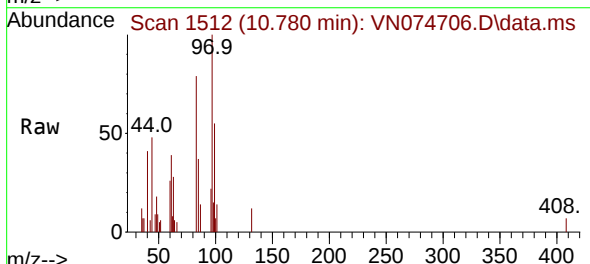
Manual Integrations  
APPROVED

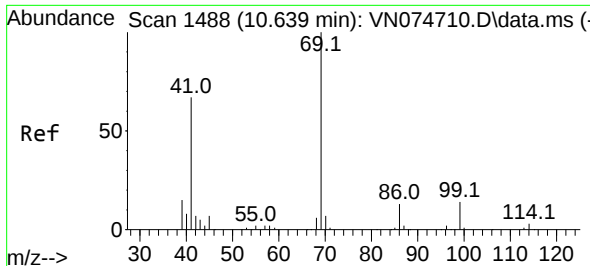
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#55  
1,1,2-Trichloroethane  
Concen: 1.084 ug/l  
RT: 10.780 min Scan# 1512  
Delta R.T. 0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Tgt Ion: 97 Resp: 5561  
Ion Ratio Lower Upper  
97 100  
83 79.0 66.2 99.4  
85 37.2 43.9 65.9  
99 54.7 50.6 76.0





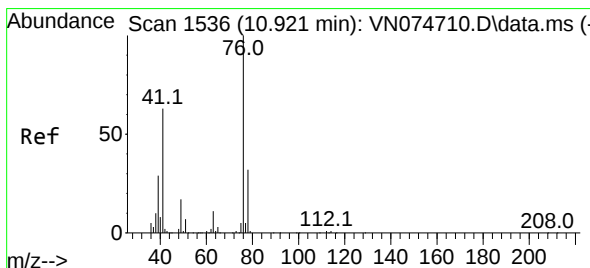
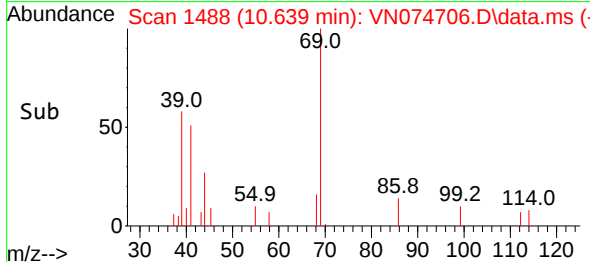
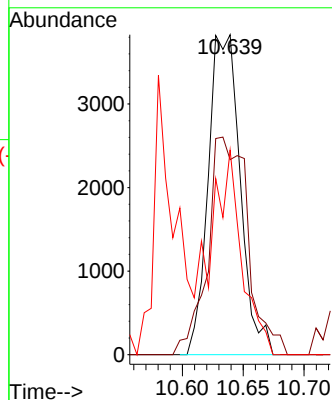
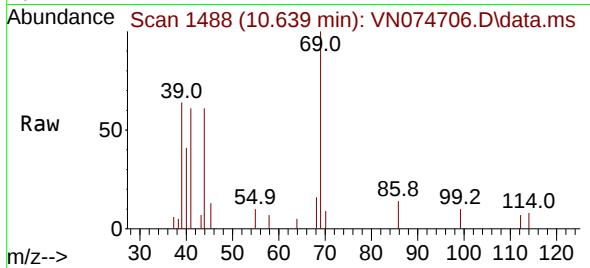
#56  
Ethyl methacrylate  
Concen: 0.866 ug/l  
RT: 10.639 min Scan# 1488  
Delta R.T. 0.000 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

Tgt Ion: 69 Resp: 6988  
Ion Ratio Lower Upper  
69 100  
41 85.3 47.8 71.6  
39 60.9 27.3 40.9

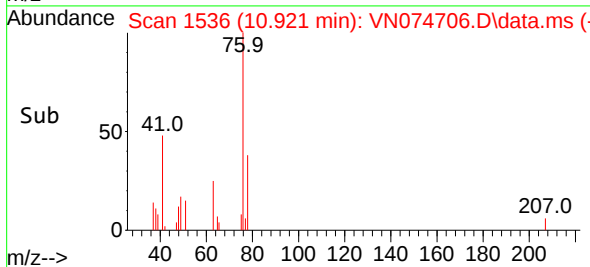
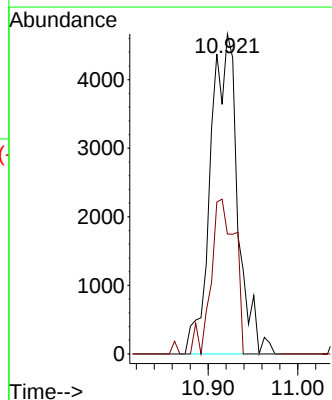
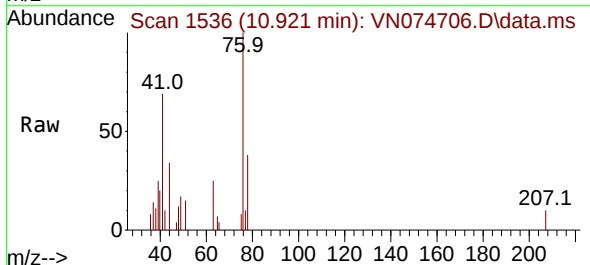
Manual Integrations  
APPROVED

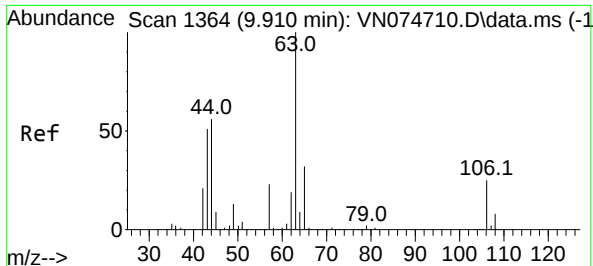
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#57  
1,3-Dichloropropane  
Concen: 1.060 ug/l  
RT: 10.921 min Scan# 1536  
Delta R.T. 0.000 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Tgt Ion: 76 Resp: 9764  
Ion Ratio Lower Upper  
76 100  
78 42.9 26.2 39.2





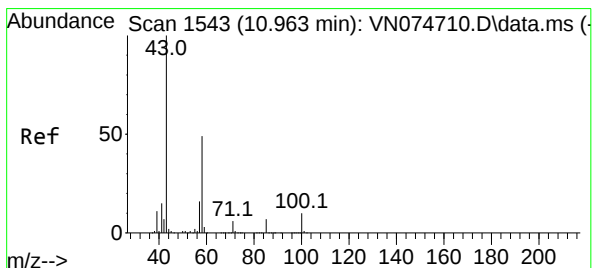
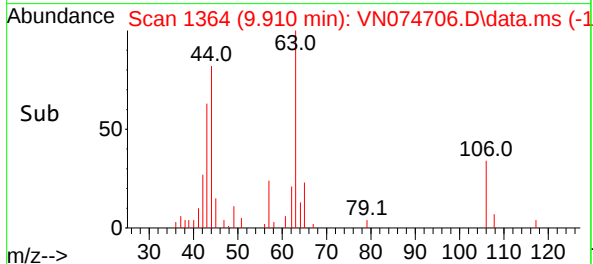
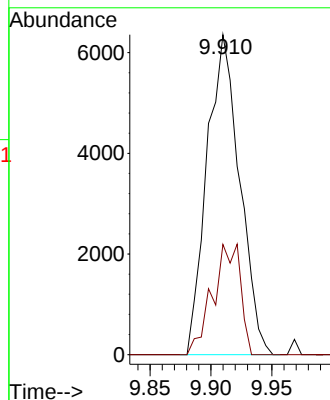
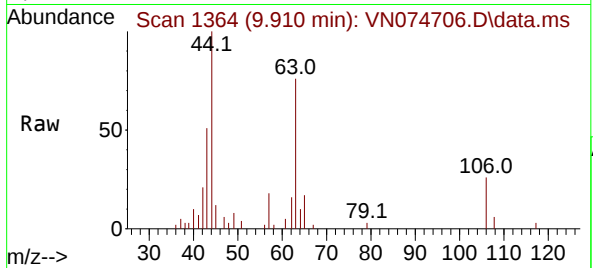
#58  
2-Chloroethyl Vinyl ether  
Concen: 3.812 ug/l  
RT: 9.910 min Scan# 1186  
Delta R.T. 0.000 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

Tgt Ion: 63 Resp: 1186  
Ion Ratio Lower Upper  
63 100  
106 29.3 24.6 36.8

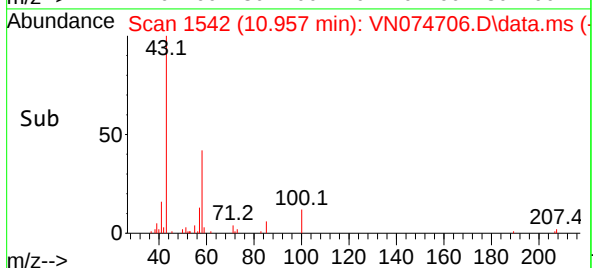
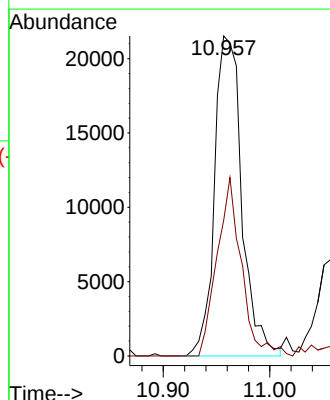
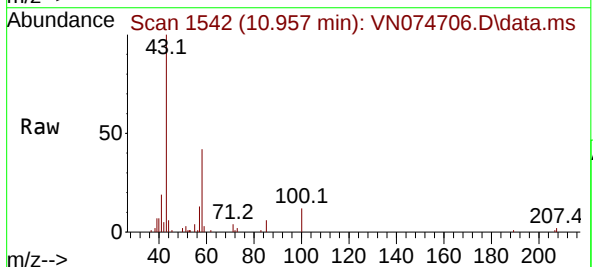
Manual Integrations  
APPROVED

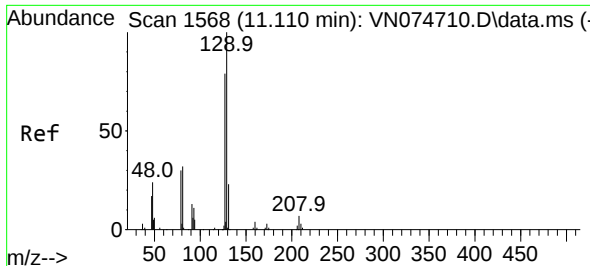
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#59  
2-Hexanone  
Concen: 4.838 ug/l  
RT: 10.957 min Scan# 1542  
Delta R.T. -0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Tgt Ion: 43 Resp: 38306  
Ion Ratio Lower Upper  
43 100  
58 49.9 29.7 89.1





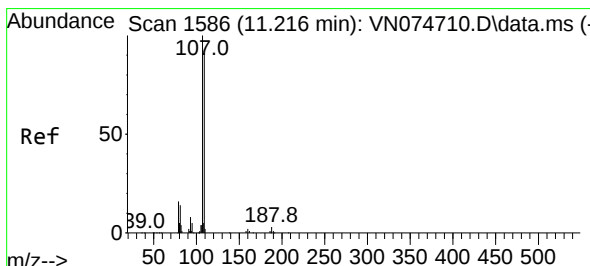
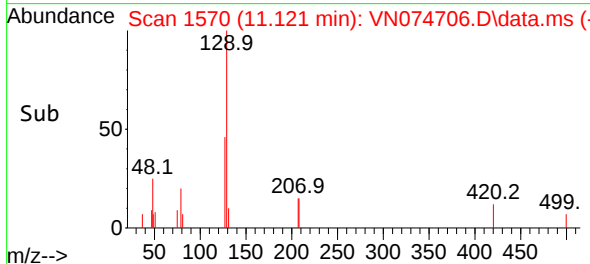
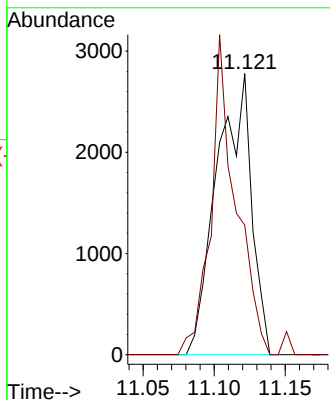
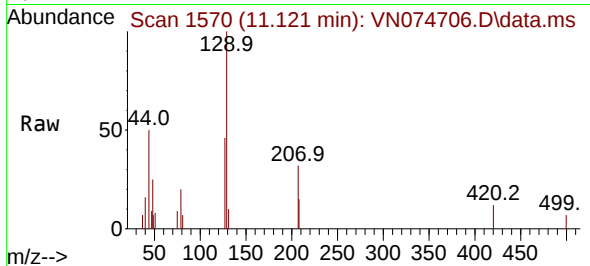
#60  
Dibromochloromethane  
Concen: 1.002 ug/l  
RT: 11.121 min Scan# 1570  
Delta R.T. 0.012 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion:129 Resp: 4700  
Ion Ratio Lower Upper  
129 100  
127 82.2 38.8 116.4

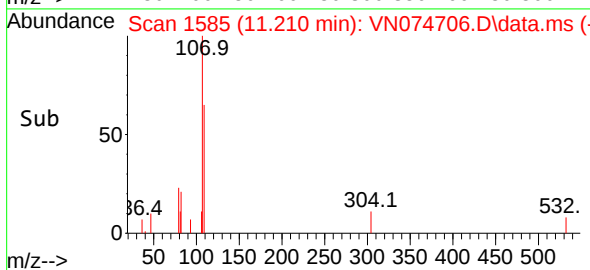
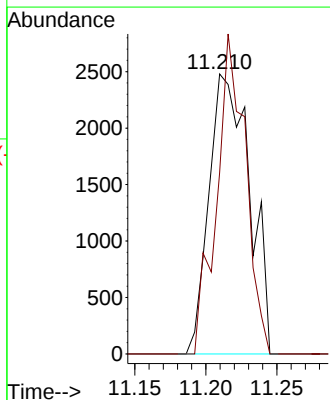
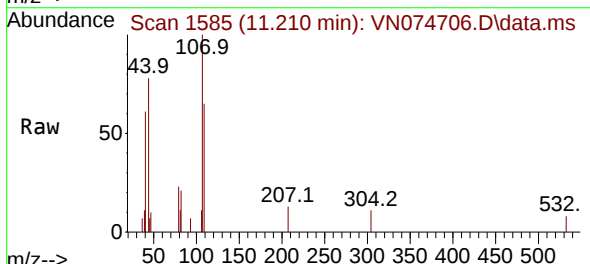
Manual Integrations  
APPROVED

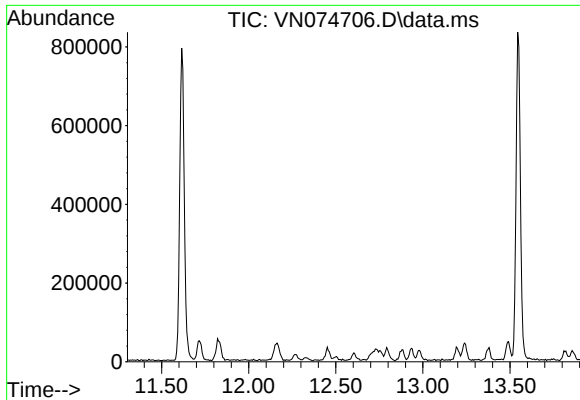
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#61  
1,2-Dibromoethane  
Concen: 0.973 ug/l  
RT: 11.210 min Scan# 1585  
Delta R.T. -0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Tgt Ion:107 Resp: 4933  
Ion Ratio Lower Upper  
107 100  
109 81.7 75.0 112.6





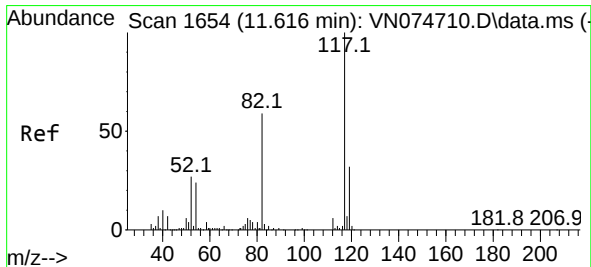
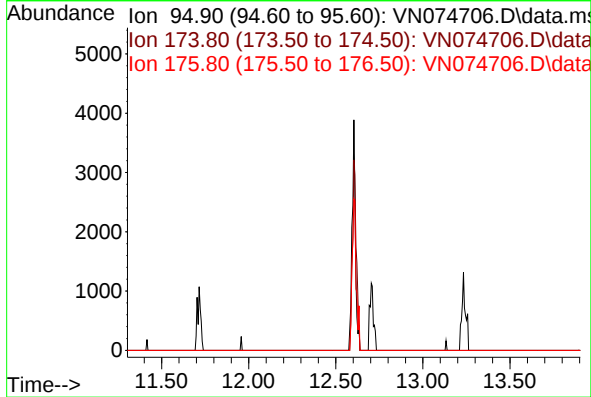
#62  
 4-Bromofluorobenzene  
 Concen: 0.000 ug/l  
 Expected RT: 12.60 min  
 Lab File: VN074706.D  
 Acq: 03 Oct 2022 13:13

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

Tgt Ion: 95  
 Sig Exp Ratio  
 95 100  
 174 83.8  
 176 81.7

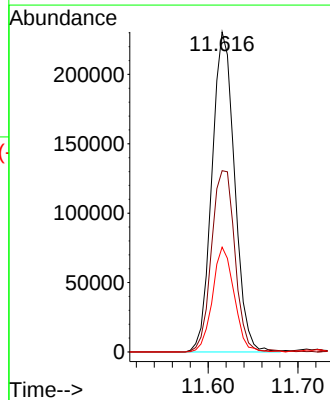
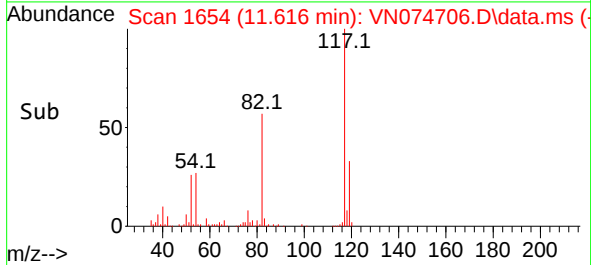
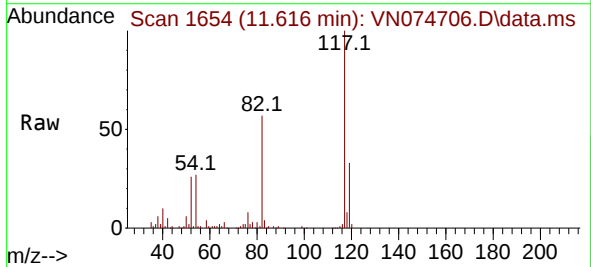
Manual Integrations  
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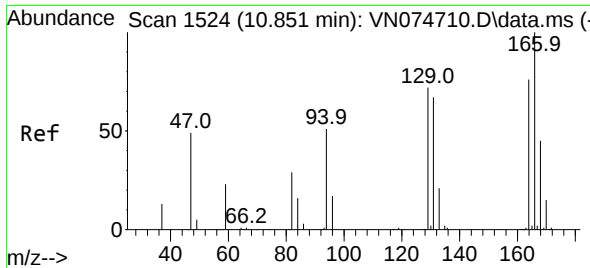
Reviewed By :John Carlone 10/04/2022  
 Supervised By :Mahesh Dadoda 10/05/2022



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.616 min Scan# 1654  
 Delta R.T. 0.000 min  
 Lab File: VN074706.D  
 Acq: 03 Oct 2022 13:13

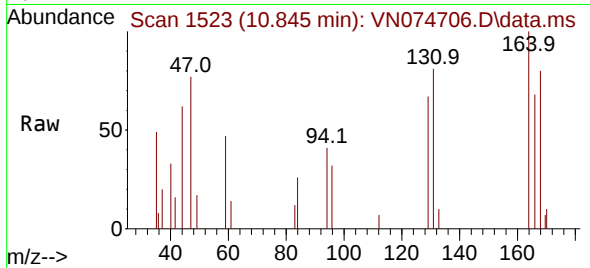
Tgt Ion:117 Resp: 403660  
 Ion Ratio Lower Upper  
 117 100  
 82 56.7 44.2 66.2  
 119 32.8 25.4 38.0





#64  
Tetrachloroethene  
Concen: 0.982 ug/l  
RT: 10.845 min Scan# 1523  
Delta R.T. -0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

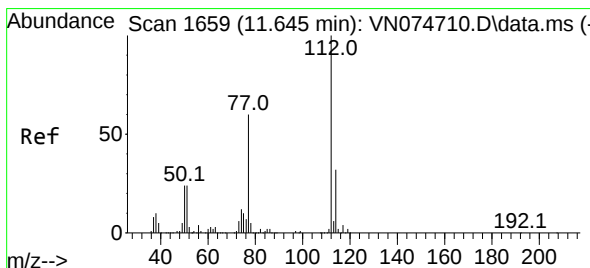
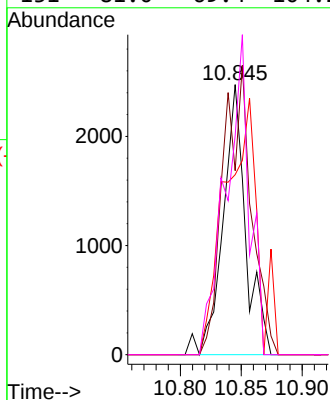
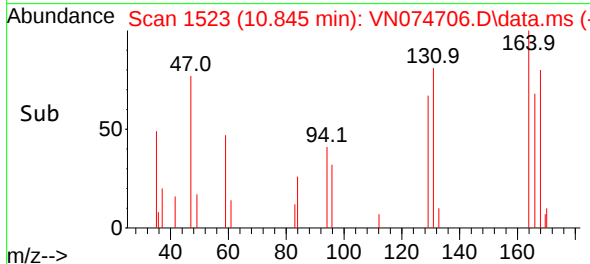
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001



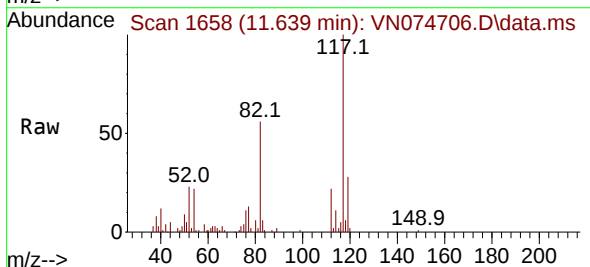
Tgt Ion:164 Resp: 323  
Ion Ratio Lower Upper  
164 100  
166 68.1 104.2 156.2  
129 66.7 73.9 110.9  
131 81.0 69.4 104.2

Manual Integrations  
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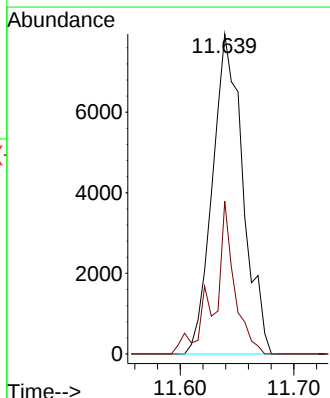
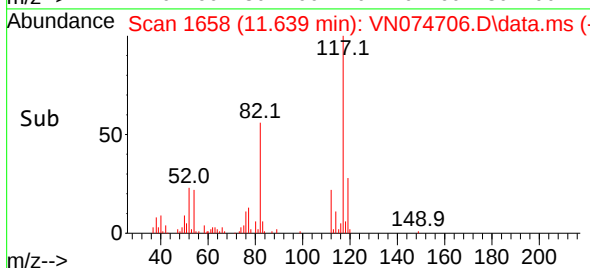
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022

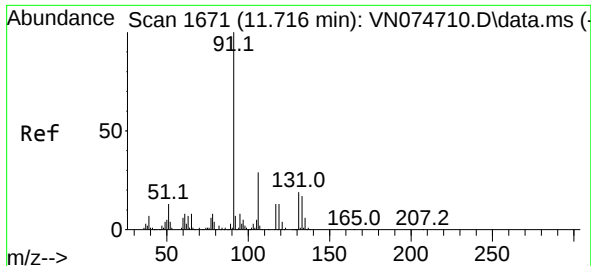


#65  
Chlorobenzene  
Concen: 1.210 ug/l  
RT: 11.639 min Scan# 1658  
Delta R.T. -0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13



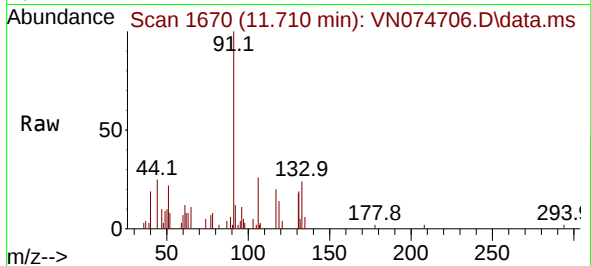
Tgt Ion:112 Resp: 14825  
Ion Ratio Lower Upper  
112 100  
114 47.8 25.4 38.2#





#66  
1,1,1,2-Tetrachloroethane  
Concen: 1.012 ug/l  
RT: 11.710 min Scan# 1670  
Delta R.T. -0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

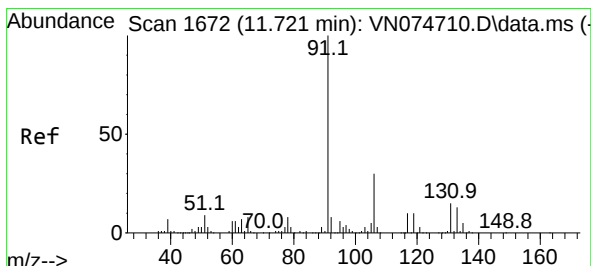
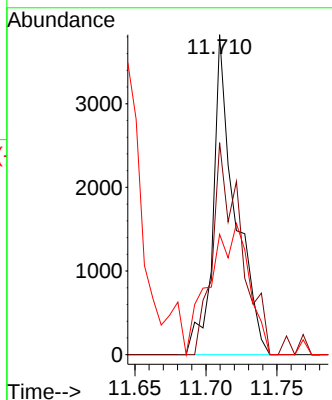
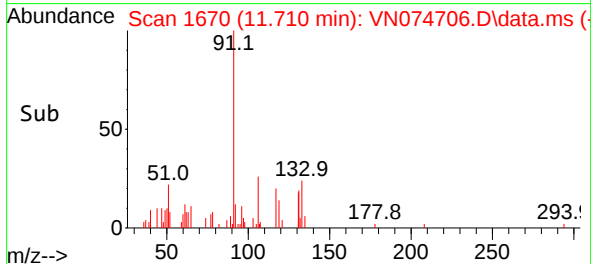
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001



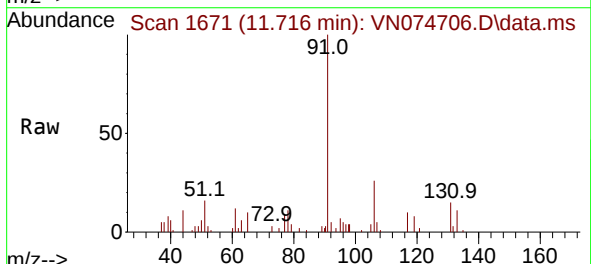
Tgt Ion:131 Resp: 4094  
Ion Ratio Lower Upper  
131 100  
133 86.1 47.8 143.4  
119 0.0 33.4 100.2

Manual Integrations  
APPROVED

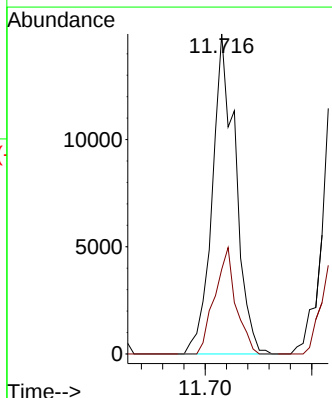
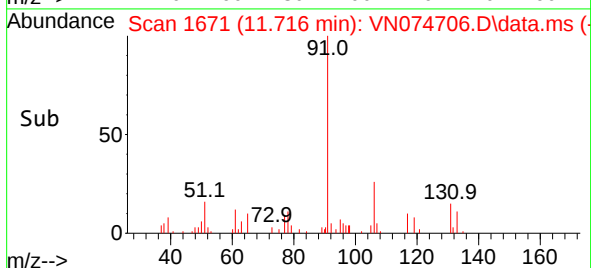
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022

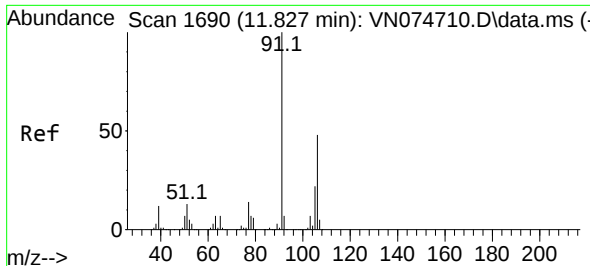


#67  
Ethyl Benzene  
Concen: 0.991 ug/l  
RT: 11.716 min Scan# 1671  
Delta R.T. -0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13



Tgt Ion: 91 Resp: 22625  
Ion Ratio Lower Upper  
91 100  
106 26.4 24.9 37.3





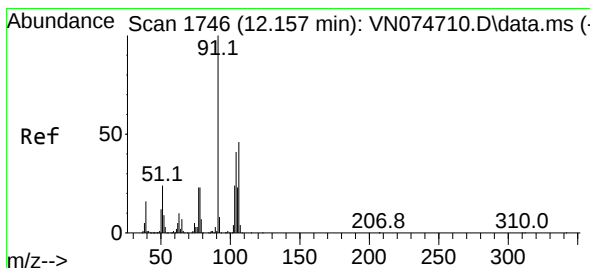
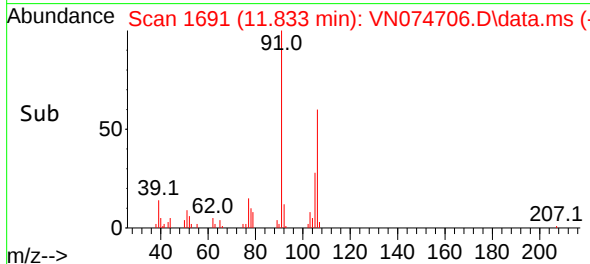
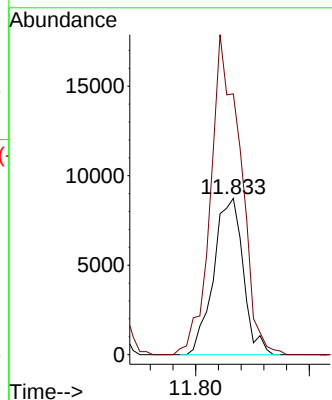
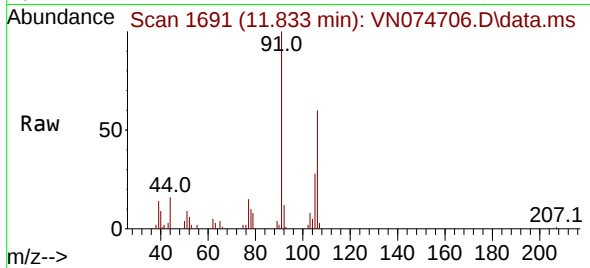
#68  
m/p-Xylenes  
Concen: 1.855 ug/l  
RT: 11.833 min Scan# 1691  
Delta R.T. 0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion:106 Resp: 1578  
Ion Ratio Lower Upper  
106 100  
91 206.3 158.9 238.3

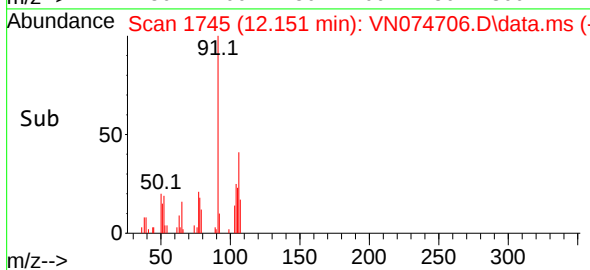
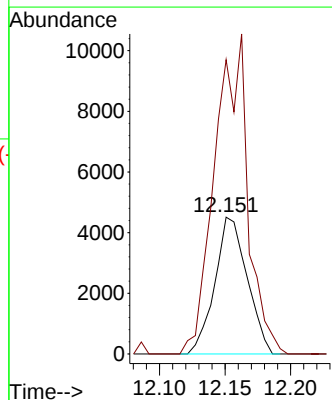
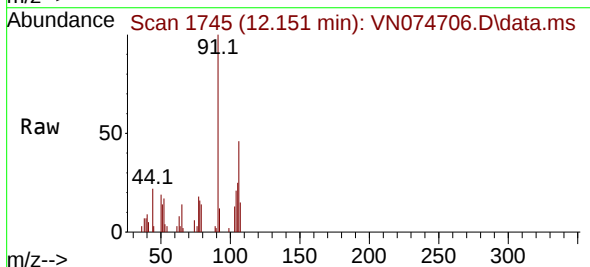
Manual Integrations  
APPROVED

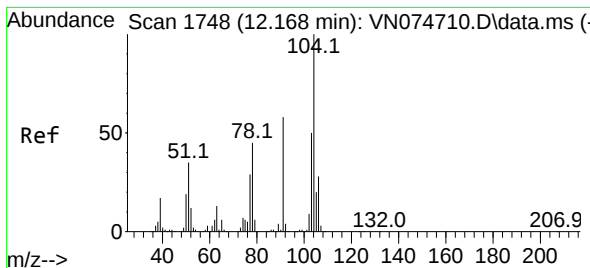
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#69  
o-Xylene  
Concen: 0.905 ug/l  
RT: 12.151 min Scan# 1745  
Delta R.T. -0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Tgt Ion:106 Resp: 7729  
Ion Ratio Lower Upper  
106 100  
91 238.8 106.0 318.0





#70

Styrene

Concen: 0.933 ug/l

RT: 12.163 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VN074706.D

Acq: 03 Oct 2022 13:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC001

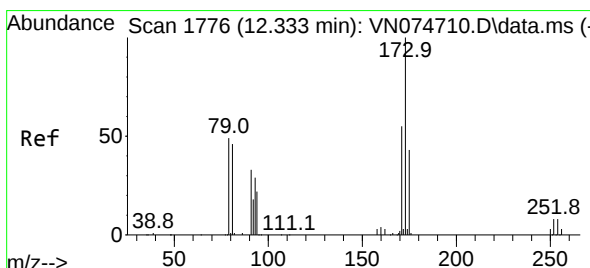
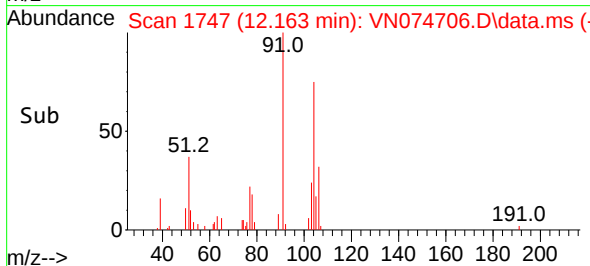
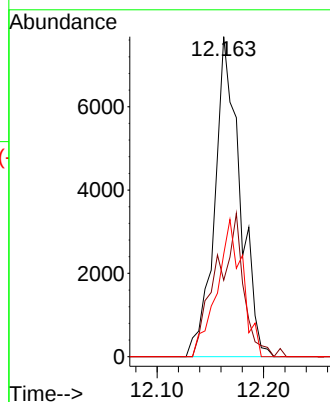
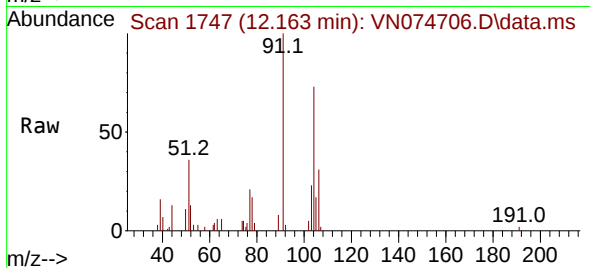
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 104   | Resp: | 1272 |
| Ion Ratio | Lower | Upper |      |
| 104       | 100   |       |      |
| 78        | 47.7  | 39.5  | 59.3 |
| 103       | 43.3  | 44.0  | 66.0 |

Manual Integrations

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Reviewed By :John Carlone 10/04/2022

Supervised By :Mahesh Dadoda 10/05/2022



#71

Bromoform

Concen: 0.883 ug/l

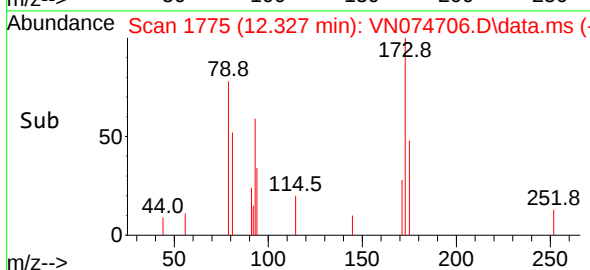
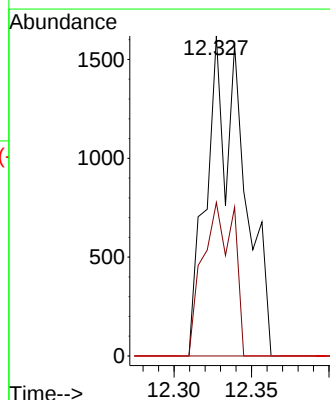
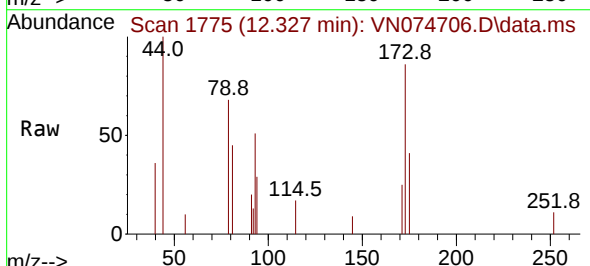
RT: 12.327 min Scan# 1775

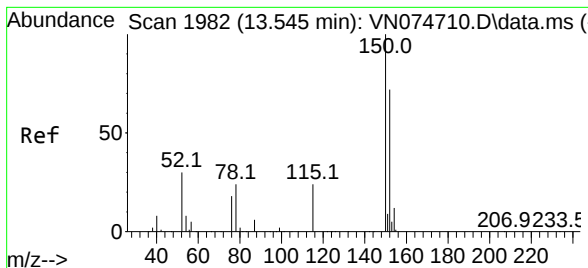
Delta R.T. -0.006 min

Lab File: VN074706.D

Acq: 03 Oct 2022 13:13

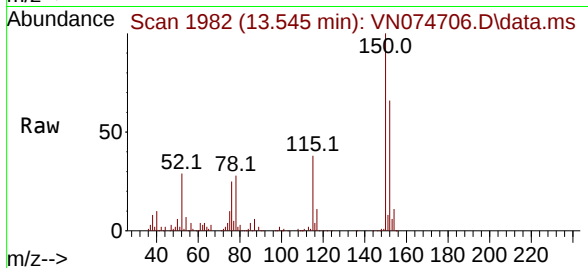
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 173   | Resp: | 2629 |
| Ion Ratio | Lower | Upper |      |
| 173       | 100   |       |      |
| 175       | 40.7  | 24.6  | 73.6 |
| 254       | 0.0   | 0.1   | 0.1  |





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.545 min Scan# 1982  
Delta R.T. 0.000 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

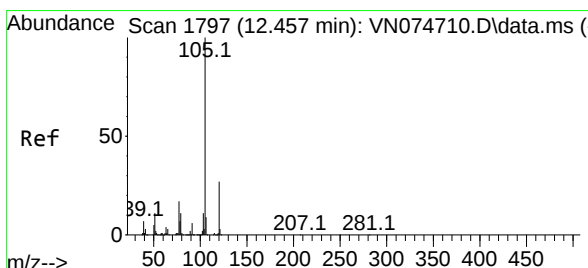
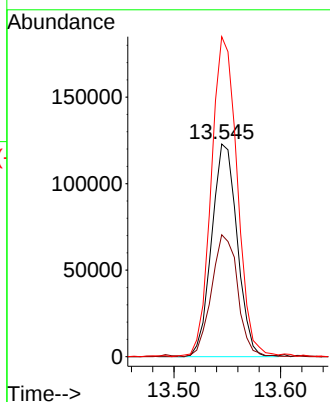
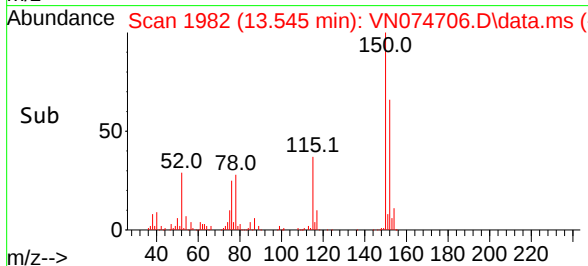
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



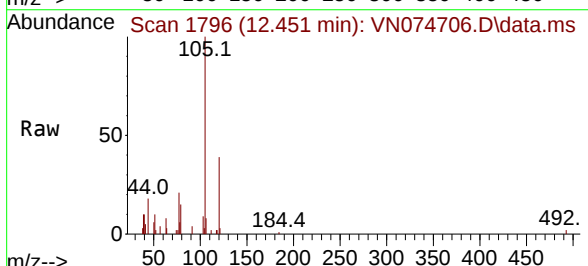
Tgt Ion:152 Resp: 204778  
Ion Ratio Lower Upper  
152 100  
115 58.8 28.9 86.7  
150 153.7 0.0 356.2

Manual Integrations  
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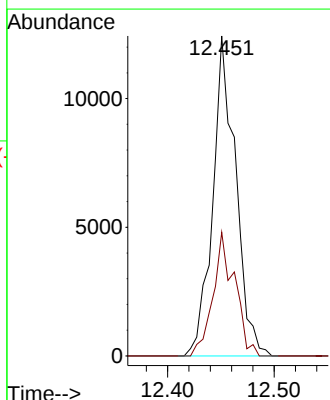
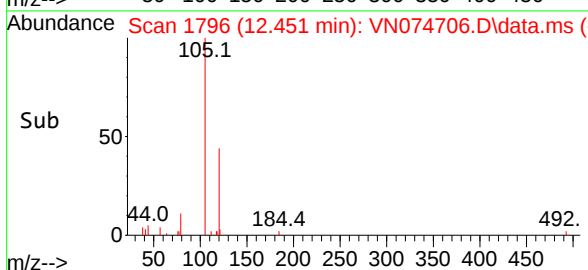
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022

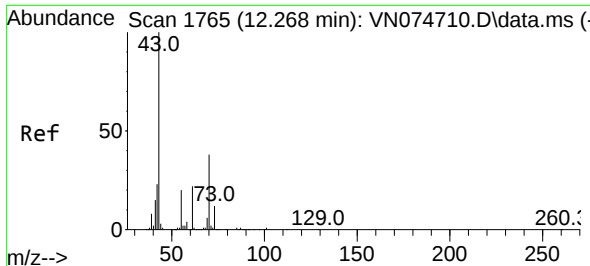


#73  
Isopropylbenzene  
Concen: 0.984 ug/l  
RT: 12.451 min Scan# 1796  
Delta R.T. -0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13



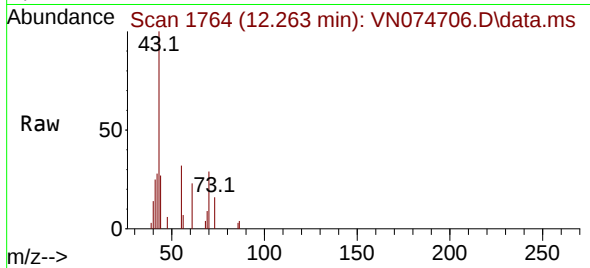
Tgt Ion:105 Resp: 18612  
Ion Ratio Lower Upper  
105 100  
120 36.5 13.5 40.4





#74  
N-amy1 acetate  
Concen: 0.996 ug/l  
RT: 12.263 min Scan# 1764  
Delta R.T. -0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

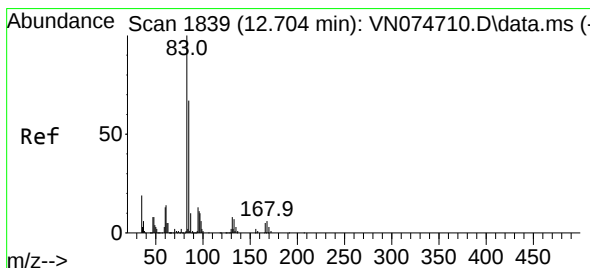
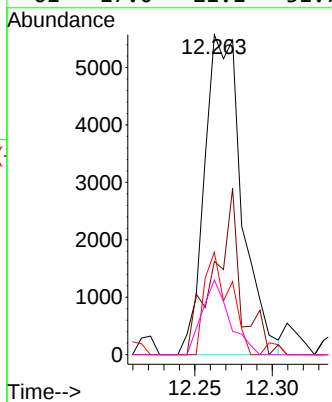
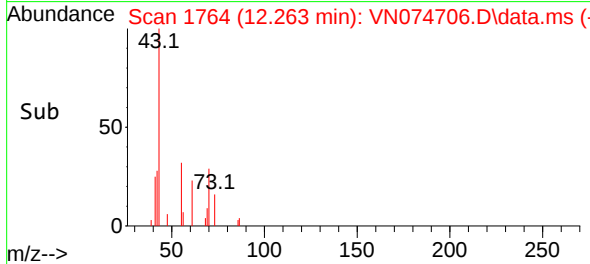
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001



Tgt Ion: 43 Resp: 9310  
Ion Ratio Lower Upper  
43 100  
70 37.2 39.0 58.4  
55 21.9 21.1 31.7  
61 17.0 21.1 31.7#

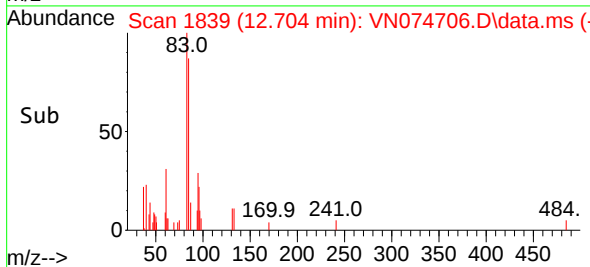
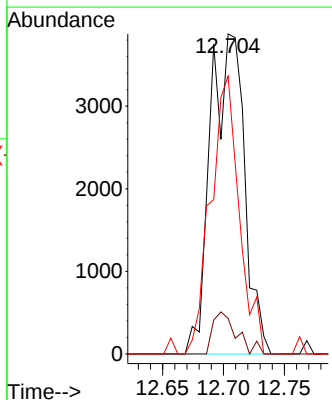
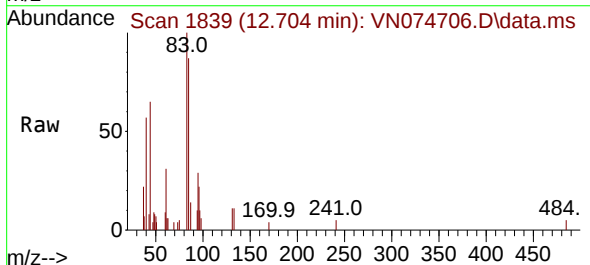
Manual Integrations  
APPROVED

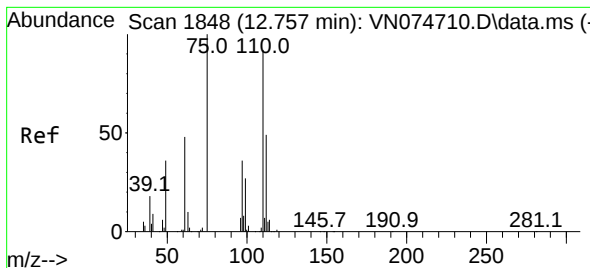
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#75  
1,1,2,2-Tetrachloroethane  
Concen: 1.042 ug/l  
RT: 12.704 min Scan# 1839  
Delta R.T. 0.000 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Tgt Ion: 83 Resp: 7522  
Ion Ratio Lower Upper  
83 100  
131 9.2 5.3 15.9  
85 73.1 32.3 96.9





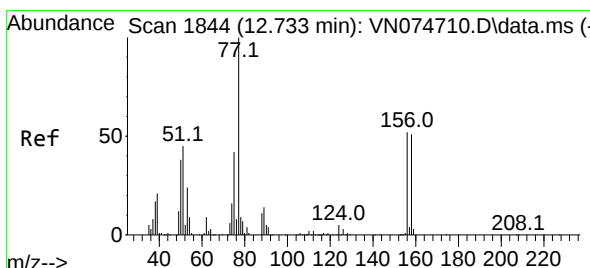
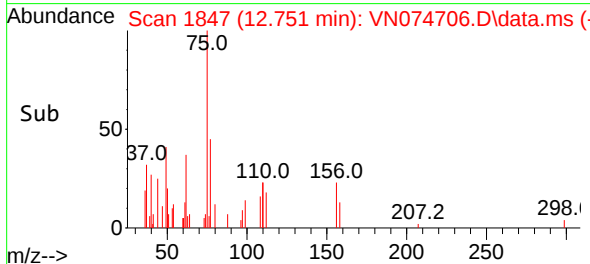
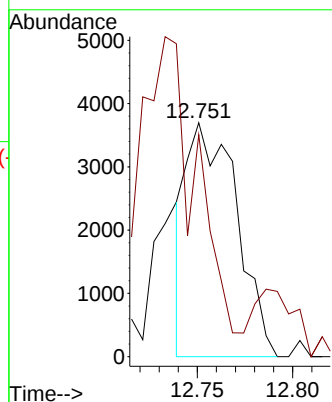
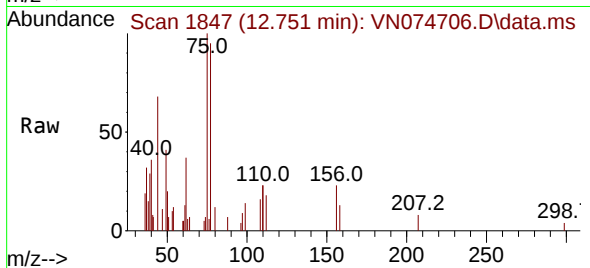
#76  
1,2,3-Trichloropropane  
Concen: 1.197 ug/l m  
RT: 12.751 min Scan# 1847  
Delta R.T. -0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion: 75 Resp: 677  
Ion Ratio Lower Upper  
75 100  
77 157.3 98.5 295.5

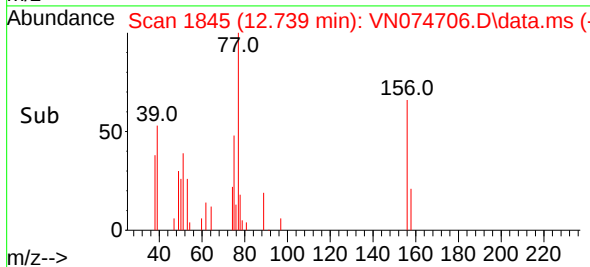
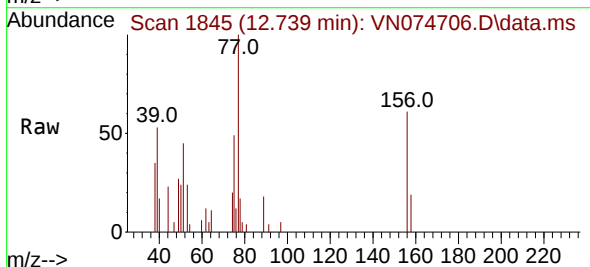
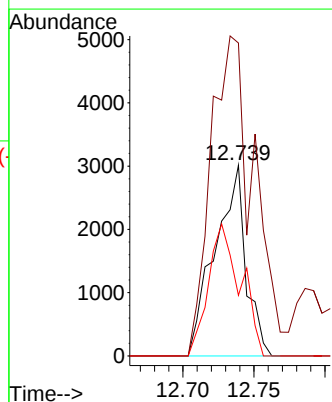
Manual Integrations  
APPROVED

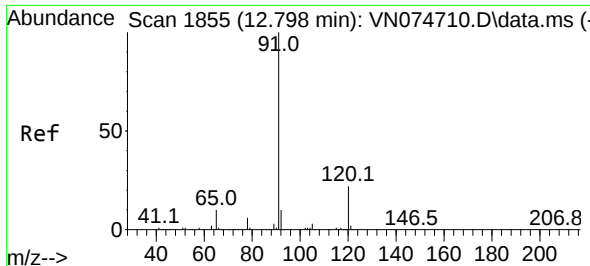
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#77  
Bromobenzene  
Concen: 1.127 ug/l  
RT: 12.739 min Scan# 1845  
Delta R.T. 0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Tgt Ion:156 Resp: 4560  
Ion Ratio Lower Upper  
156 100  
77 233.8 100.5 301.5  
158 72.1 48.9 146.6





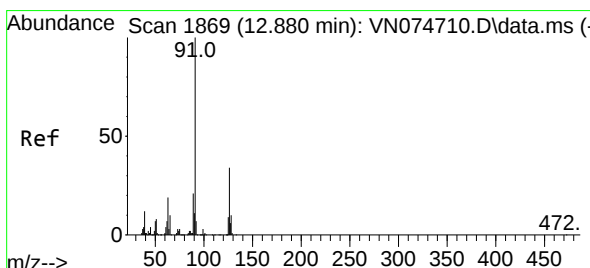
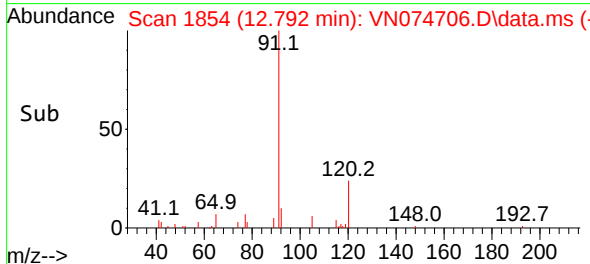
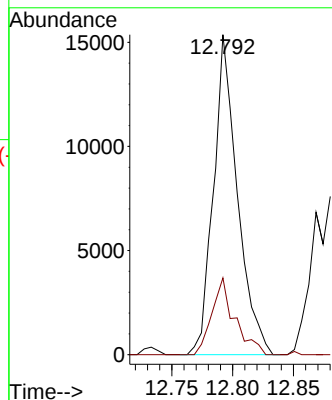
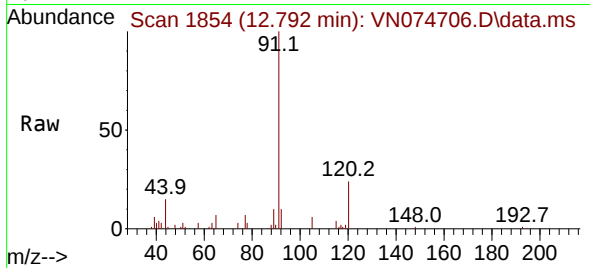
#78  
n-propylbenzene  
Concen: 0.970 ug/l  
RT: 12.792 min Scan# 1854  
Delta R.T. -0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001

Tgt Ion: 91 Resp: 21009  
Ion Ratio Lower Upper  
91 100  
120 22.8 11.9 35.5

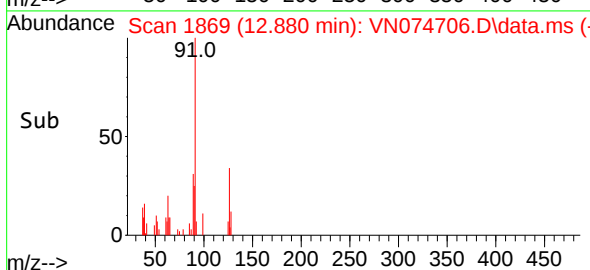
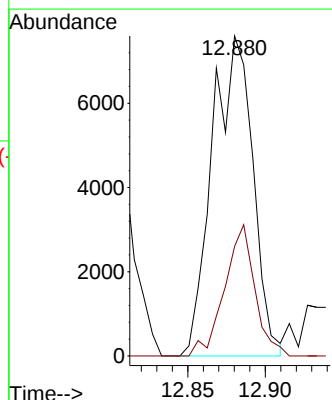
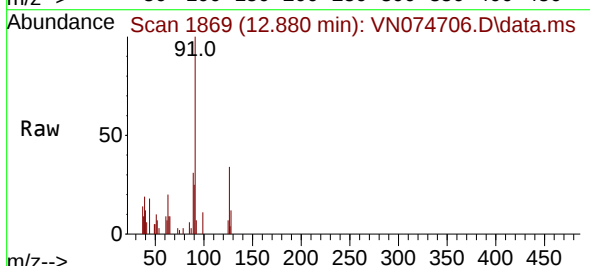
Manual Integrations  
APPROVED

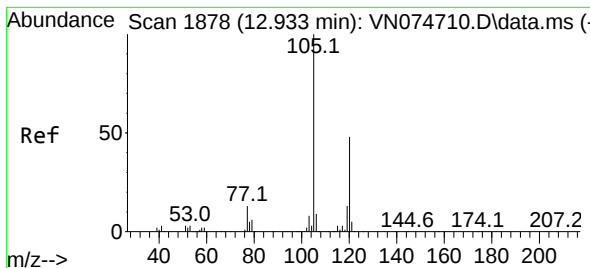
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#79  
2-Chlorotoluene  
Concen: 1.084 ug/l  
RT: 12.880 min Scan# 1869  
Delta R.T. 0.000 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Tgt Ion: 91 Resp: 13831  
Ion Ratio Lower Upper  
91 100  
126 30.6 17.3 51.9





#80

1,3,5-Trimethylbenzene

Concen: 1.000 ug/l

RT: 12.939 min Scan# 1878

Delta R.T. 0.006 min

Lab File: VN074706.D

Acq: 03 Oct 2022 13:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC001

Tgt Ion:105 Resp: 15104

Ion Ratio Lower Upper

105 100

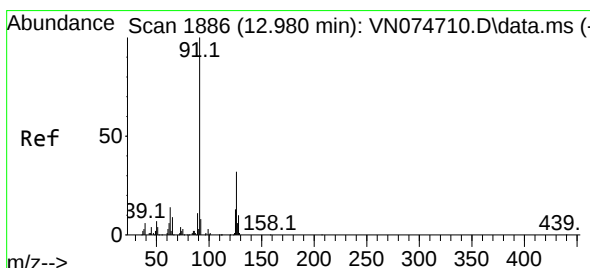
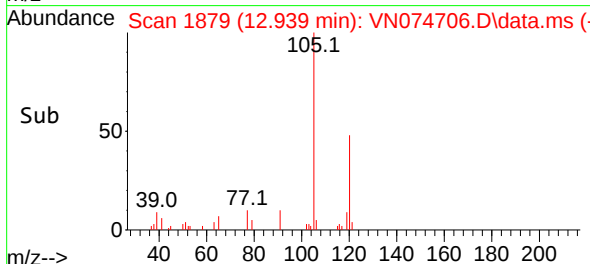
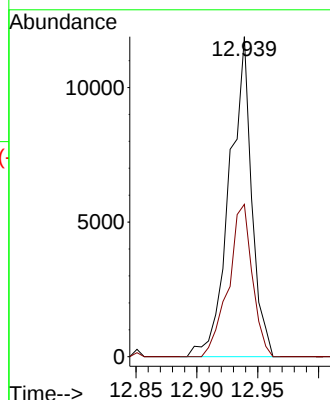
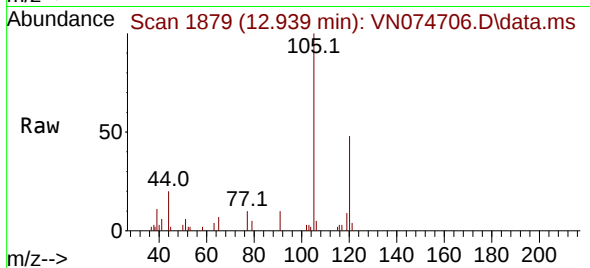
120 50.9 24.9 74.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/04/2022

Supervised By :Mahesh Dadoda 10/05/2022



#82

4-Chlorotoluene

Concen: 1.074 ug/l

RT: 12.980 min Scan# 1886

Delta R.T. 0.000 min

Lab File: VN074706.D

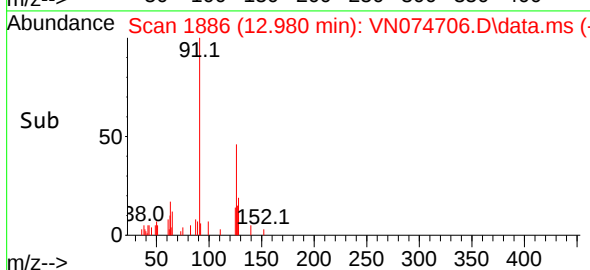
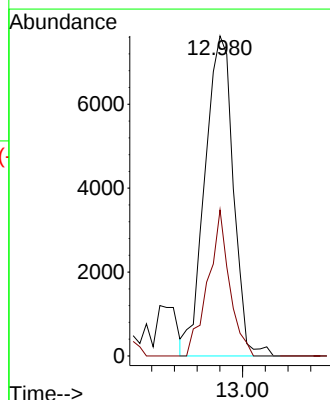
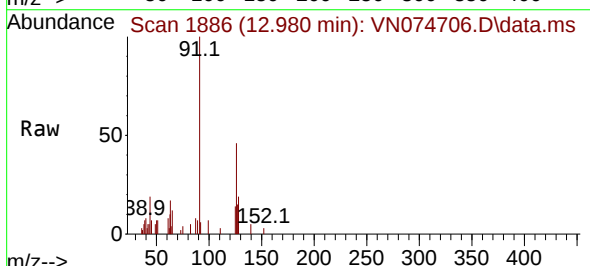
Acq: 03 Oct 2022 13:13

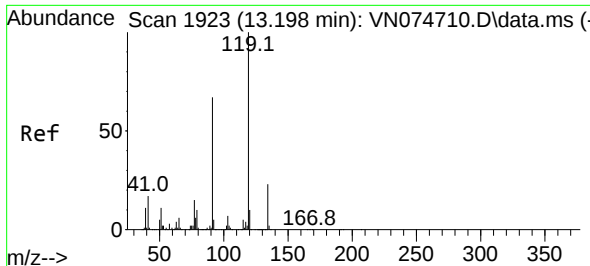
Tgt Ion: 91 Resp: 13258

Ion Ratio Lower Upper

91 100

126 34.4 17.2 51.6





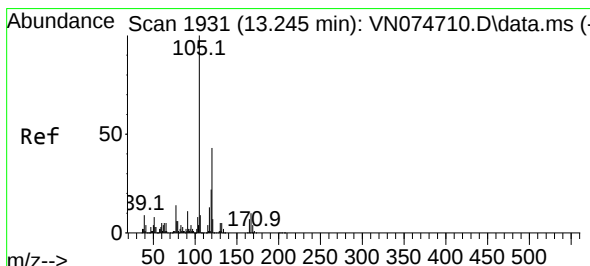
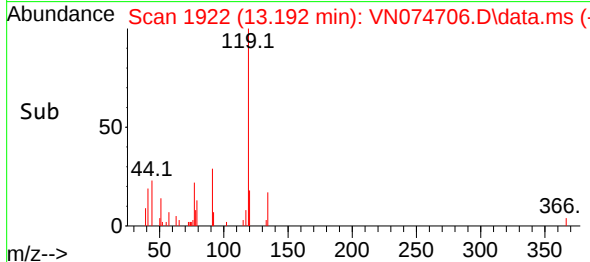
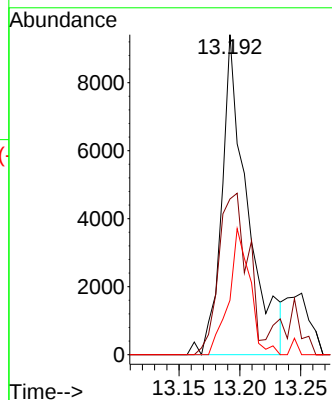
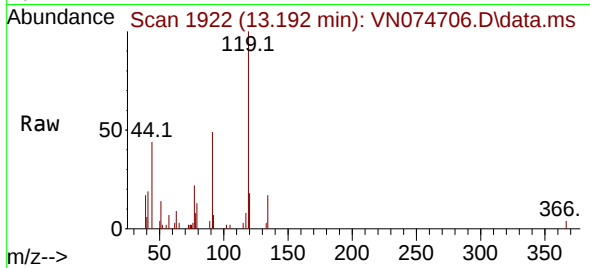
#83  
tert-Butylbenzene  
Concen: 1.022 ug/l  
RT: 13.192 min Scan# 1922  
Delta R.T. -0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

Tgt Ion:119 Resp: 1381  
Ion Ratio Lower Upper  
119 100  
91 57.9 31.6 94.8  
134 32.3 13.7 41.1

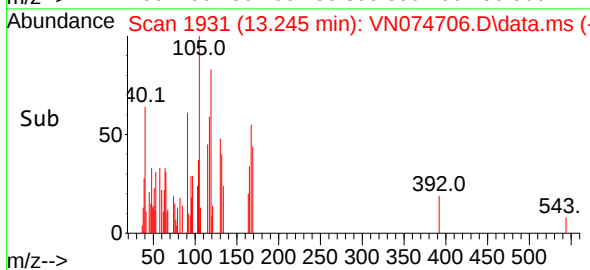
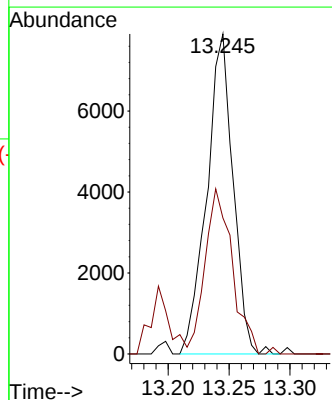
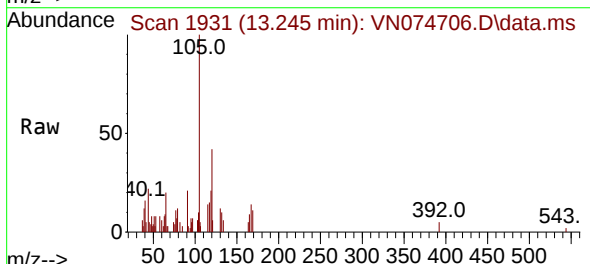
Manual Integrations  
APPROVED

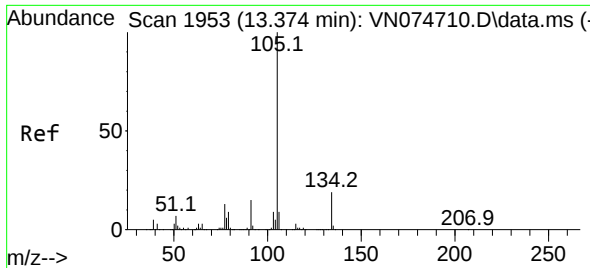
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#84  
1,2,4-Trimethylbenzene  
Concen: 0.817 ug/l  
RT: 13.245 min Scan# 1931  
Delta R.T. 0.000 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

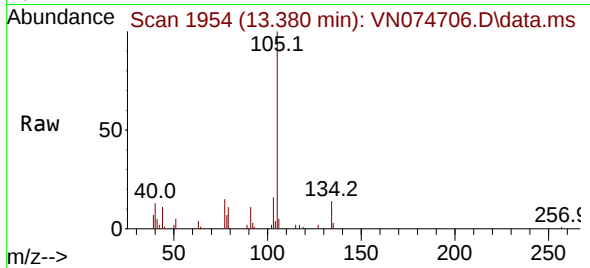
Tgt Ion:105 Resp: 11877  
Ion Ratio Lower Upper  
105 100  
120 53.2 23.3 69.8





#85  
 sec-Butylbenzene  
 Concen: 1.066 ug/l  
 RT: 13.380 min Scan# 1954  
 Delta R.T. 0.006 min  
 Lab File: VN074706.D  
 Acq: 03 Oct 2022 13:13

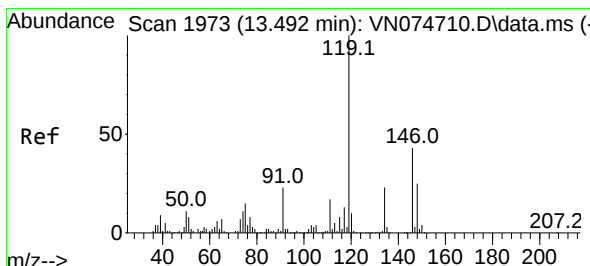
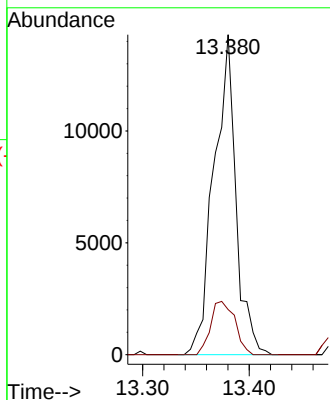
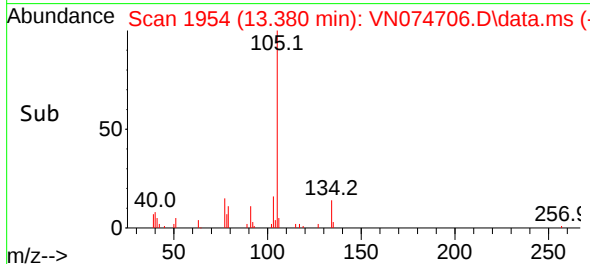
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001



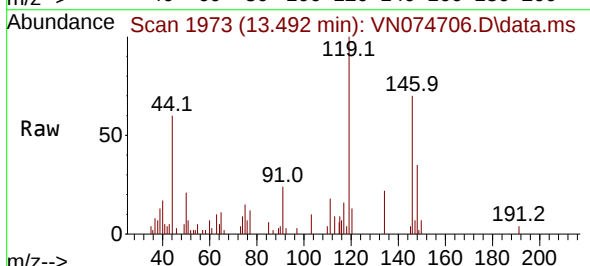
Tgt Ion:105 Resp: 20540  
 Ion Ratio Lower Upper  
 105 100  
 134 18.4 10.4 31.1

Manual Integrations  
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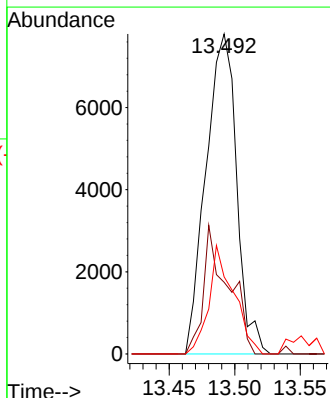
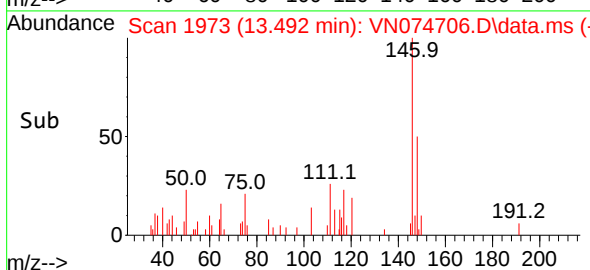
Reviewed By :John Carlone 10/04/2022  
 Supervised By :Mahesh Dadoda 10/05/2022

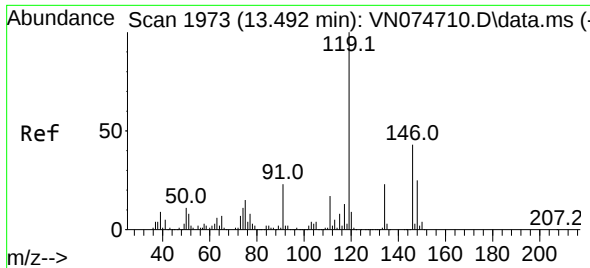


#86  
 p-Isopropyltoluene  
 Concen: 0.857 ug/l  
 RT: 13.492 min Scan# 1973  
 Delta R.T. 0.000 min  
 Lab File: VN074706.D  
 Acq: 03 Oct 2022 13:13



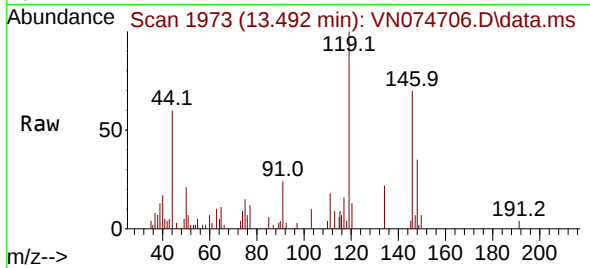
Tgt Ion:119 Resp: 12659  
 Ion Ratio Lower Upper  
 119 100  
 134 32.4 13.3 39.8  
 91 27.5 11.3 33.9





#87  
 1,3-Dichlorobenzene  
 Concen: 1.133 ug/l  
 RT: 13.492 min Scan# 1973  
 Delta R.T. 0.000 min  
 Lab File: VN074706.D  
 Acq: 03 Oct 2022 13:13

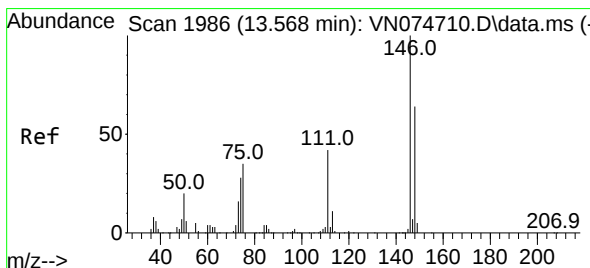
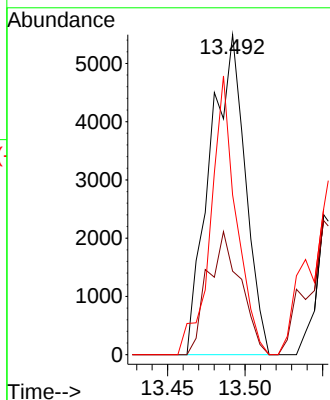
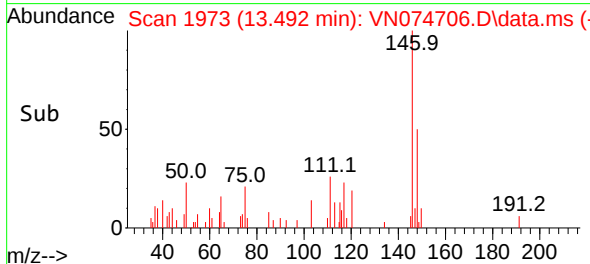
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001



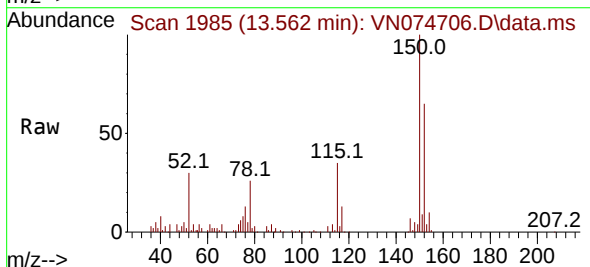
Tgt Ion:146 Resp: 8712  
 Ion Ratio Lower Upper  
 146 100  
 111 35.4 20.0 60.0  
 148 63.2 32.0 96.0

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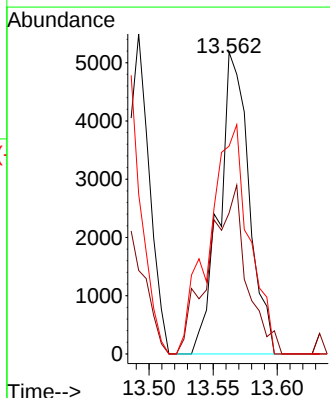
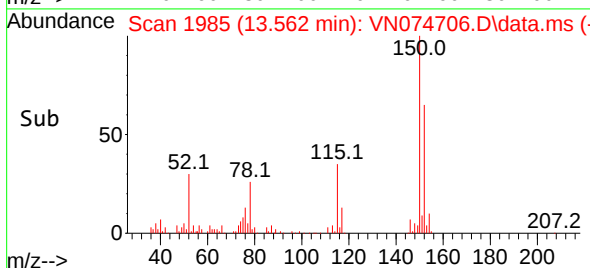
Reviewed By :John Carlone 10/04/2022  
 Supervised By :Mahesh Dadoda 10/05/2022

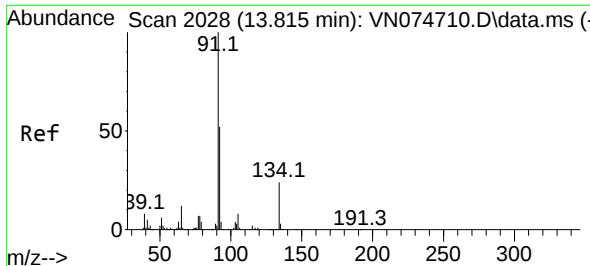


#88  
 1,4-Dichlorobenzene  
 Concen: 1.112 ug/l m  
 RT: 13.562 min Scan# 1985  
 Delta R.T. -0.006 min  
 Lab File: VN074706.D  
 Acq: 03 Oct 2022 13:13



Tgt Ion:146 Resp: 8375  
 Ion Ratio Lower Upper  
 146 100  
 111 36.8 19.1 57.1  
 148 65.7 31.4 94.3





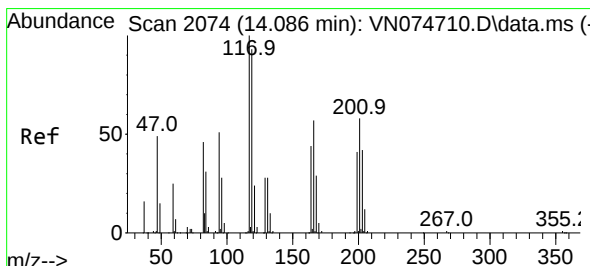
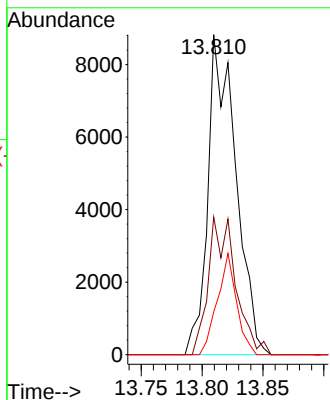
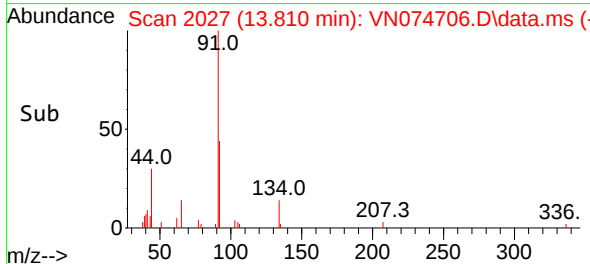
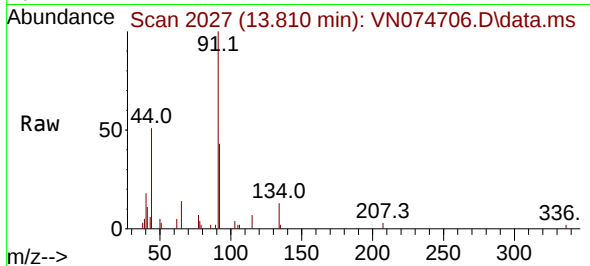
#89  
n-Butylbenzene  
Concen: 1.056 ug/l  
RT: 13.810 min Scan# 2028  
Delta R.T. -0.006 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC001

Tgt Ion: 91 Resp: 1408  
Ion Ratio Lower Upper  
91 100  
92 41.8 26.9 80.7  
134 21.9 13.6 40.8

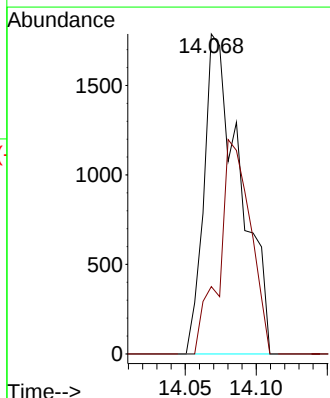
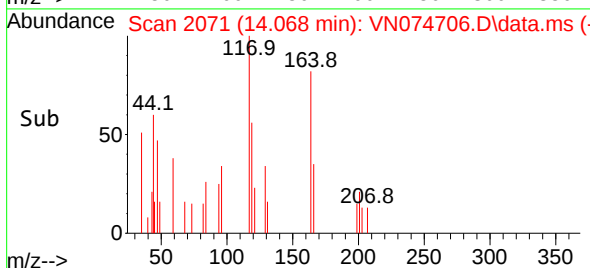
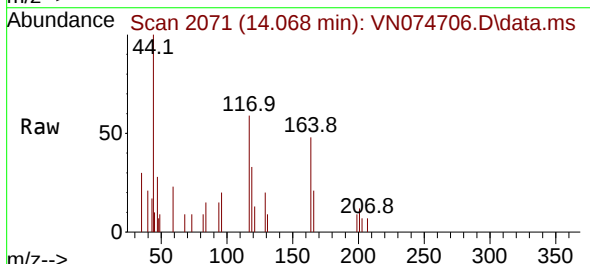
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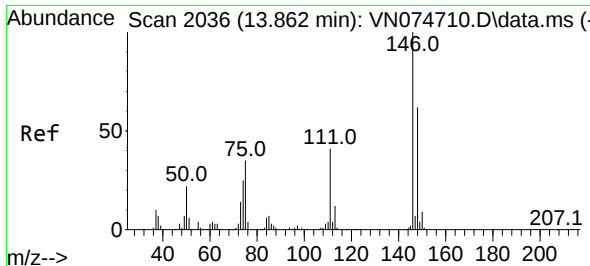
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#90  
Hexachloroethane  
Concen: 1.256 ug/l  
RT: 14.068 min Scan# 2071  
Delta R.T. -0.018 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

Tgt Ion:117 Resp: 3146  
Ion Ratio Lower Upper  
117 100  
201 58.2 40.6 122.0





#91

1,2-Dichlorobenzene

Concen: 1.034 ug/l

RT: 13.857 min Scan# 2036

Delta R.T. -0.006 min

Lab File: VN074706.D

Acq: 03 Oct 2022 13:13

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICC001

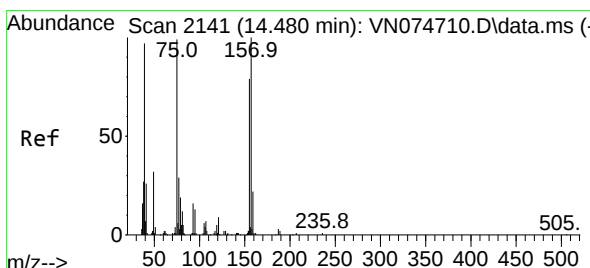
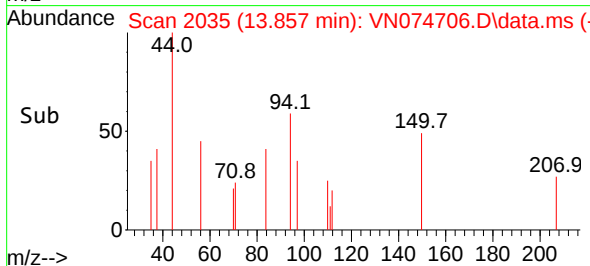
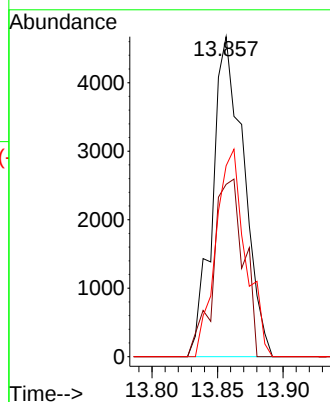
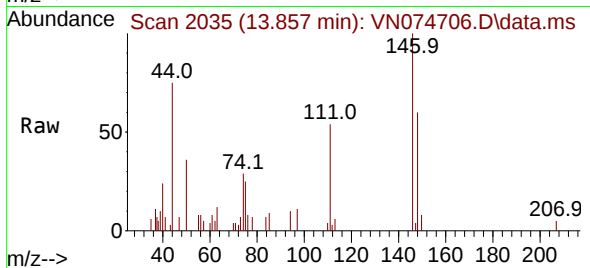
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 7734      |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 54.1  | 20.9 62.8 |
| 148         | 61.7  | 32.1 96.3 |

Manual Integrations

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Reviewed By :John Carlone 10/04/2022

Supervised By :Mahesh Dadoda 10/05/2022



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.197 ug/l

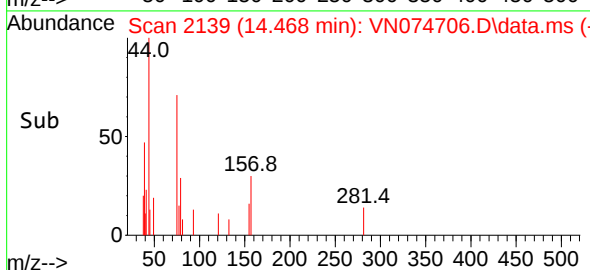
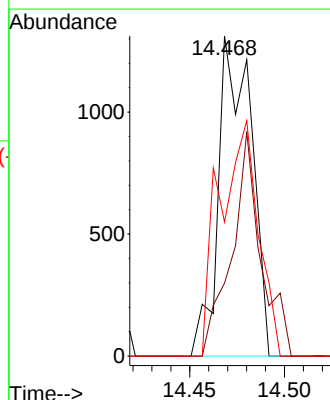
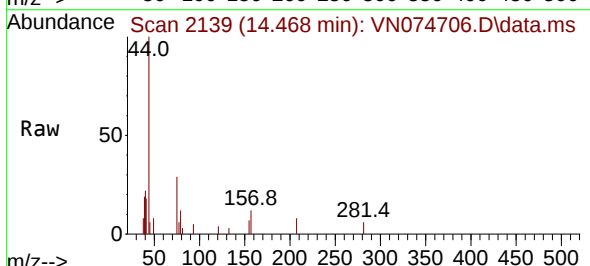
RT: 14.468 min Scan# 2139

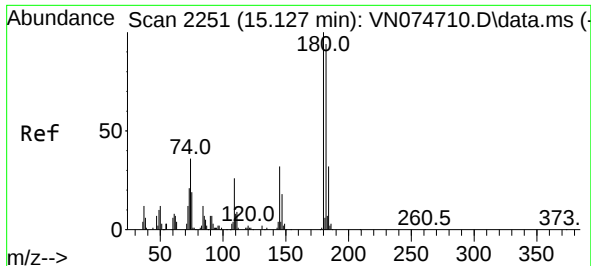
Delta R.T. -0.012 min

Lab File: VN074706.D

Acq: 03 Oct 2022 13:13

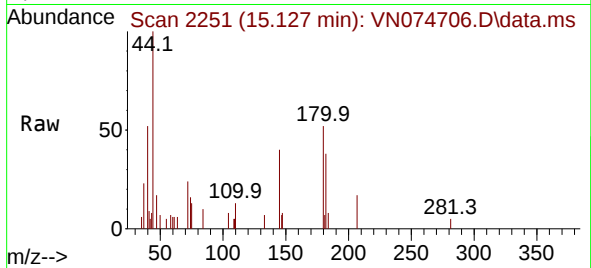
|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 75 | Resp: | 1590       |
| Ion Ratio   | Lower | Upper      |
| 75          | 100   |            |
| 155         | 61.9  | 44.9 134.5 |
| 157         | 86.0  | 59.0 176.8 |





#93  
1,2,4-Trichlorobenzene  
Concen: 0.861 ug/l  
RT: 15.127 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

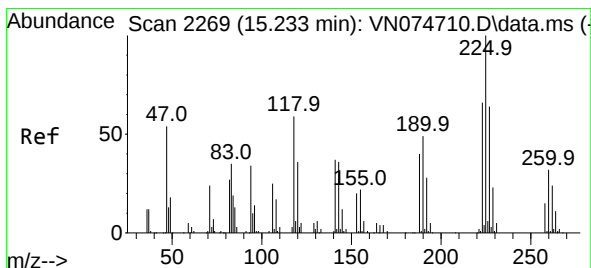
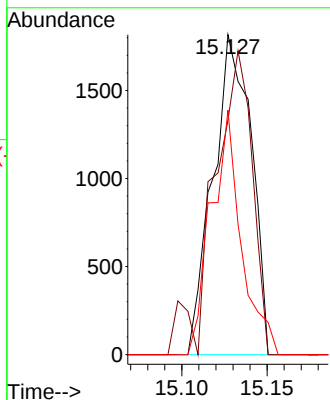
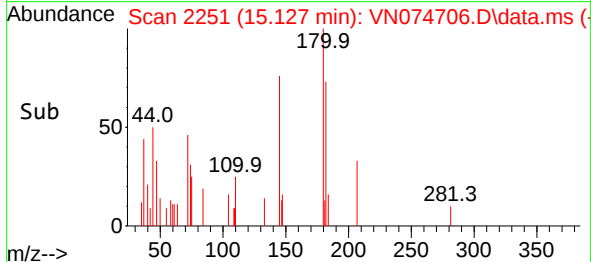
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



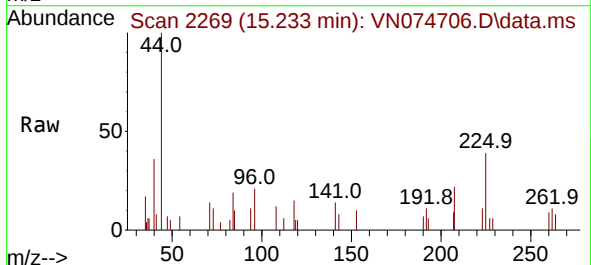
Tgt Ion:180 Resp: 283  
Ion Ratio Lower Upper  
180 100  
182 95.3 47.5 142.5  
145 60.2 14.5 43.5

Manual Integrations  
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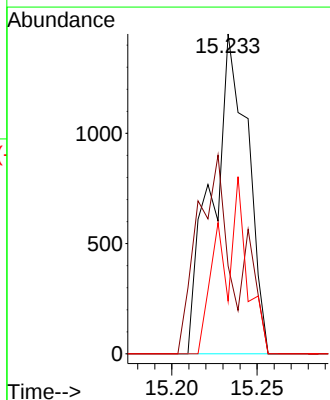
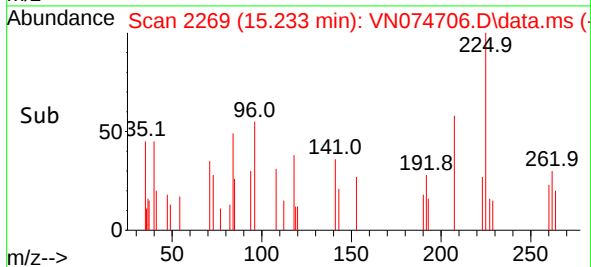
Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022

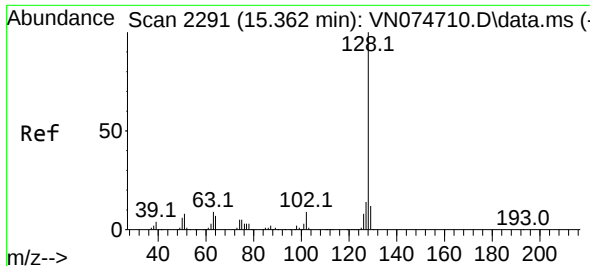


#94  
Hexachlorobutadiene  
Concen: 1.260 ug/l  
RT: 15.233 min Scan# 2269  
Delta R.T. 0.000 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13



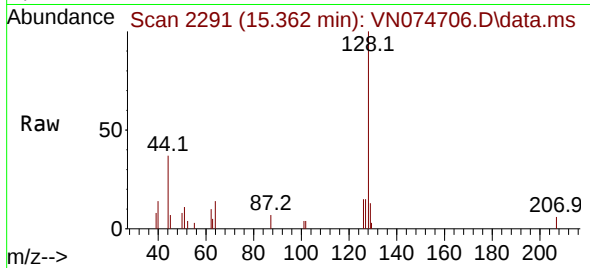
Tgt Ion:225 Resp: 2100  
Ion Ratio Lower Upper  
225 100  
223 52.1 32.4 97.2  
227 18.9 31.8 95.4





#95  
Naphthalene  
Concen: 0.866 ug/l  
RT: 15.362 min Scan# 2291  
Delta R.T. 0.000 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13

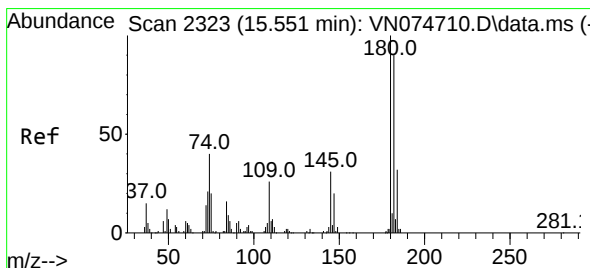
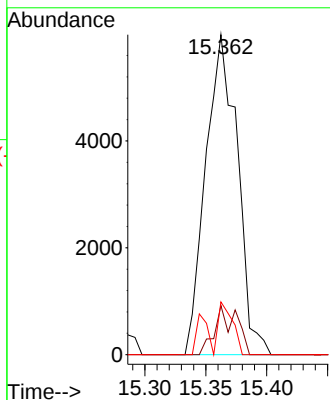
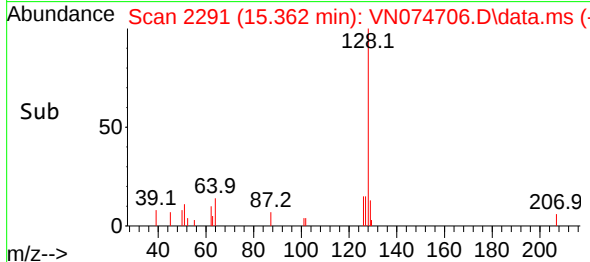
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC001



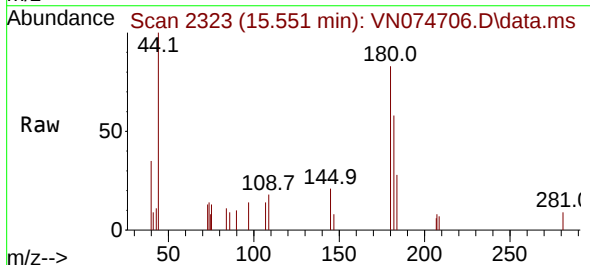
Tgt Ion:128 Resp: 10854  
Ion Ratio Lower Upper  
128 100  
127 10.5 10.3 15.5  
129 7.5 8.6 13.0

Manual Integrations  
APPROVED

Reviewed By :John Carlone 10/04/2022  
Supervised By :Mahesh Dadoda 10/05/2022



#96  
1,2,3-Trichlorobenzene  
Concen: 1.063 ug/l  
RT: 15.551 min Scan# 2323  
Delta R.T. 0.000 min  
Lab File: VN074706.D  
Acq: 03 Oct 2022 13:13



Tgt Ion:180 Resp: 3697  
Ion Ratio Lower Upper  
180 100  
182 67.0 47.8 143.3  
145 17.9 15.5 46.5

