

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031023\  
 Data File : VX034418.D  
 Acq On : 10 Mar 2023 15:30  
 Operator : JC/MD  
 Sample : VSTDICC001  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC001

Quant Time: Mar 11 04:01:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031023W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 11 03:52:59 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 03/13/2023  
 Supervised By : Mahesh Dadoda 03/13/2023

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.550  | 168   | 294336   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757  | 114   | 522068   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 455453   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 210031   | 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 | 78 - 117 | 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 | 92 - 112 | 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   | 1.166  | 85    | 2668m    | 0.985    | ug/l   |          |
| 3) Chloromethane             | 1.307  | 50    | 5067m    | 1.127    | ug/l   |          |
| 4) Vinyl Chloride            | 1.374  | 62    | 3941     | 1.069    | ug/l # | 63       |
| 6) Chloroethane              | 1.685  | 64    | 2518     | 1.146    | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 1.886  | 101   | 5623     | 1.010    | ug/l   | 88       |
| 8) Diethyl Ether             | 2.136  | 74    | 2045     | 1.008    | ug/l   | 62       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101   | 3478     | 1.060    | ug/l   | 95       |
| 12) 1,1-Dichloroethene       | 2.319  | 96    | 3400     | 1.058    | ug/l   | 94       |
| 14) Allyl chloride           | 2.660  | 41    | 7021     | 1.077    | ug/l   | 96       |
| 15) Acrylonitrile            | 3.062  | 53    | 10279    | 5.237    | ug/l   | 96       |
| 16) Acetone                  | 2.373  | 43    | 10881    | 5.456    | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.508  | 76    | 13552    | 1.515    | ug/l   | 96       |
| 18) Methyl Acetate           | 2.703  | 43    | 7797     | 1.155    | ug/l   | 94       |
| 19) Methyl tert-butyl Ether  | 3.111  | 73    | 12531    | 1.071    | ug/l # | 88       |
| 20) Methylene Chloride       | 2.788  | 84    | 5177     | 1.294    | ug/l   | 93       |
| 21) trans-1,2-Dichloroethene | 3.093  | 96    | 4224     | 1.174    | ug/l   | 92       |
| 22) Diisopropyl ether        | 3.763  | 45    | 13107    | 1.048    | ug/l # | 83       |
| 23) Vinyl Acetate            | 3.727  | 43    | 45550    | 4.809    | ug/l   | 95       |
| 24) 1,1-Dichloroethane       | 3.605  | 63    | 6660     | 0.994    | ug/l   | 96       |
| 25) 2-Butanone               | 4.568  | 43    | 15412    | 5.256    | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 4.458  | 77    | 5753m    | 0.988    | ug/l   |          |
| 27) cis-1,2-Dichloroethene   | 4.483  | 96    | 4742     | 1.121    | ug/l   | 93       |
| 28) Bromochloromethane       | 4.897  | 49    | 3239     | 1.025    | ug/l # | 91       |
| 29) Tetrahydrofuran          | 5.007  | 42    | 9624     | 5.314    | ug/l   | 98       |
| 30) Chloroform               | 5.086  | 83    | 7173     | 1.065    | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 5.379  | 97    | 5450     | 0.941    | ug/l # | 51       |
| 36) 1,1-Dichloropropene      | 5.702  | 75    | 5459     | 1.037    | ug/l   | 95       |
| 37) Ethyl Acetate            | 4.727  | 43    | 6564     | 1.118    | ug/l # | 89       |
| 38) Carbon Tetrachloride     | 5.678  | 117   | 4701     | 0.904    | ug/l   | 94       |
| 39) Methylcyclohexane        | 7.373  | 83    | 5766     | 0.920    | ug/l # | 88       |
| 40) Benzene                  | 6.044  | 78    | 15691    | 1.018    | ug/l   | 92       |
| 41) Methacrylonitrile        | 4.928  | 41    | 3115     | 0.984    | ug/l   | 93       |
| 42) 1,2-Dichloroethane       | 6.098  | 62    | 5340     | 0.936    | ug/l   | 98       |
| 43) Isopropyl Acetate        | 6.342  | 43    | 9718     | 0.988    | ug/l   | 95       |
| 44) Trichloroethene          | 7.129  | 130   | 3993     | 1.002    | ug/l   | 91       |
| 45) 1,2-Dichloropropane      | 7.434  | 63    | 4003     | 0.991    | ug/l   | 94       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031023\  
 Data File : VX034418.D  
 Acq On : 10 Mar 2023 15:30  
 Operator : JC/MD  
 Sample : VSTDIC001  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC001

Quant Time: Mar 11 04:01:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031023W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 11 03:52:59 2023  
 Response via : Initial Calibration

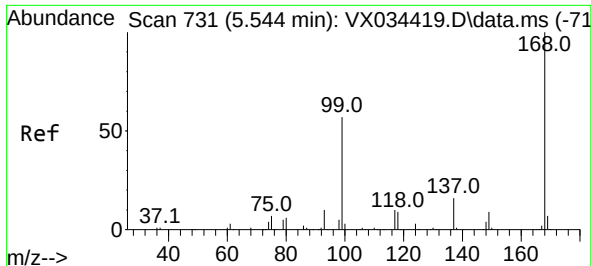
### Manual Integrations APPROVED

Reviewed By : John Carlone 03/13/2023  
 Supervised By : Mahesh Dadoda 03/13/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) Dibromomethane            | 7.586  | 93   | 2698     | 0.974  | ug/l   | 94       |
| 47) Bromodichloromethane      | 7.824  | 83   | 5014     | 0.936  | ug/l # | 97       |
| 48) Methyl methacrylate       | 7.702  | 41   | 4458     | 0.943  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.671  | 88   | 1864     | 18.821 | ug/l # | 86       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 27910    | 4.883  | ug/l   | 98       |
| 52) Toluene                   | 8.720  | 92   | 9493     | 0.988  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 8.988  | 75   | 5173     | 0.861  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.372  | 75   | 5794     | 0.894  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 9.159  | 97   | 3804     | 0.986  | ug/l # | 82       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 5690     | 0.915  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 6515     | 0.967  | ug/l   | 92       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 17615    | 5.569  | ug/l   | 96       |
| 59) 2-Hexanone                | 9.433  | 43   | 20085    | 4.597  | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 3570     | 0.888  | ug/l   | 93       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 4077     | 0.987  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 3617     | 1.154  | ug/l   | 94       |
| 65) Chlorobenzene             | 10.079 | 112  | 10742    | 1.072  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 3347     | 0.925  | ug/l # | 66       |
| 67) Ethyl Benzene             | 10.195 | 91   | 17646    | 0.994  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 13846    | 2.016  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 6247     | 0.927  | ug/l   | 88       |
| 70) Styrene                   | 10.659 | 104  | 10548    | 0.947  | ug/l   | 96       |
| 71) Bromoform                 | 10.805 | 173  | 2230     | 0.803  | ug/l # | 94       |
| 73) Isopropylbenzene          | 10.963 | 105  | 16662    | 1.035  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.848 | 43   | 7352     | 0.950  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 5654     | 1.044  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 5007m    | 1.030  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 4397     | 1.114  | ug/l   | 93       |
| 78) n-propylbenzene           | 11.305 | 91   | 20023    | 1.054  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 12929    | 1.101  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 13998    | 1.022  | ug/l   | 100      |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 14576    | 1.077  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 13500    | 0.991  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 14148    | 1.022  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 15600    | 0.941  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 13225    | 0.946  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 8520     | 1.107  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 9198m    | 1.172  | ug/l   |          |
| 89) n-Butylbenzene            | 12.335 | 91   | 11833    | 0.944  | ug/l   | 96       |
| 90) Hexachloroethane          | 12.536 | 117  | 2180     | 0.850  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 8363     | 1.121  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 1114     | 0.917  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 5428     | 1.136  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 2121     | 1.123  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 15780    | 1.011  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 4900     | 1.058  | ug/l   | 99       |

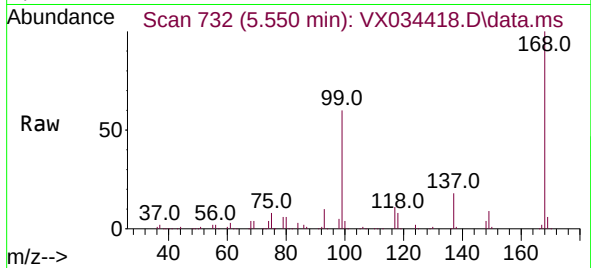
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

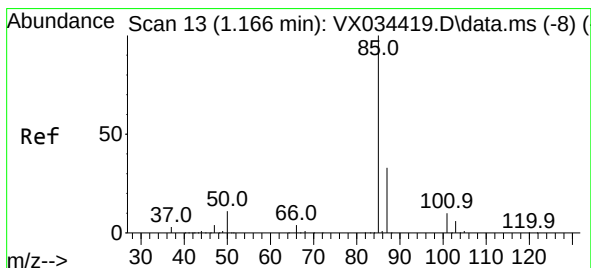
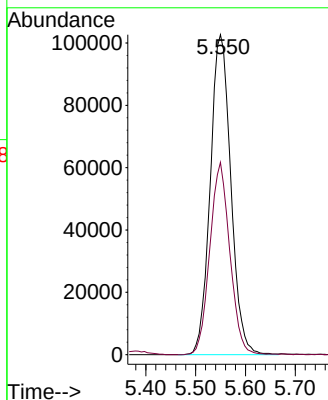
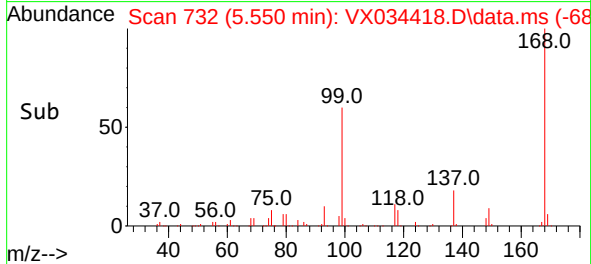
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001



Tgt Ion:168 Resp: 294336  
Ion Ratio Lower Upper  
168 100  
99 60.1 45.7 68.5

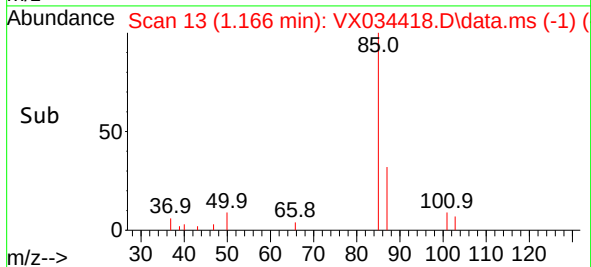
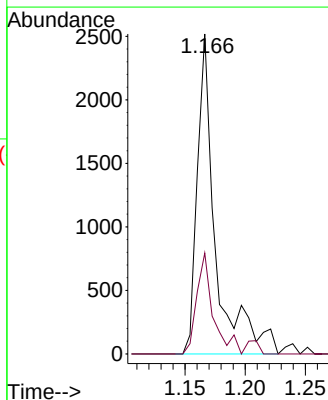
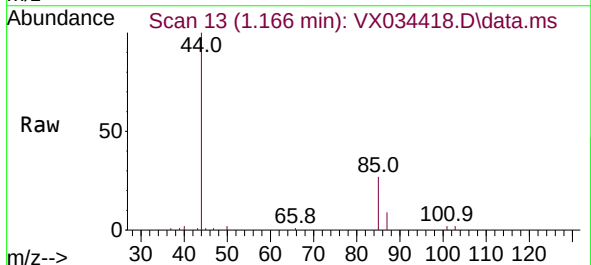
Manual Integrations  
APPROVED

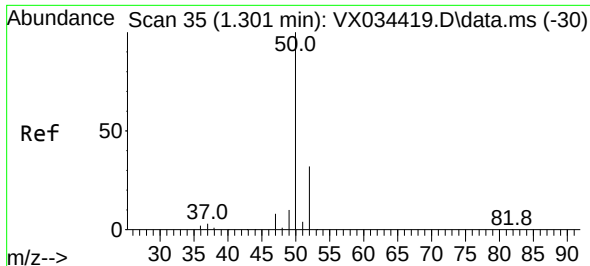
Reviewed By :John Carlone 03/13/2023  
Supervised By :Mahesh Dadoda 03/13/2023



#2  
Dichlorodifluoromethane  
Concen: 0.985 ug/l m  
RT: 1.166 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Tgt Ion: 85 Resp: 2668  
Ion Ratio Lower Upper  
85 100  
87 31.6 16.4 49.1





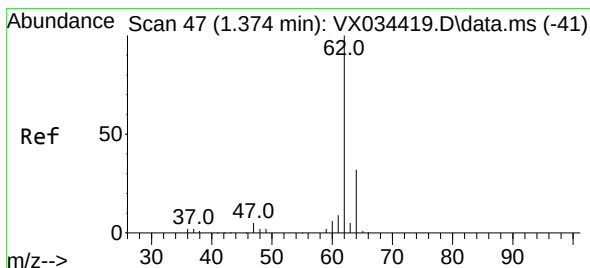
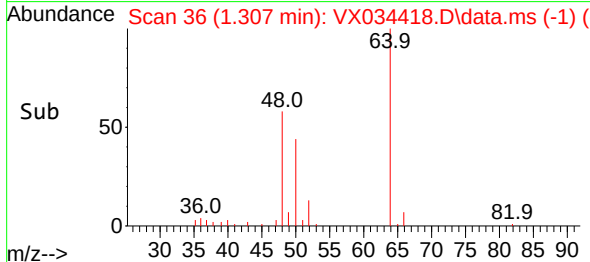
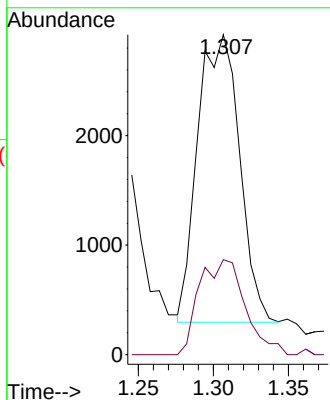
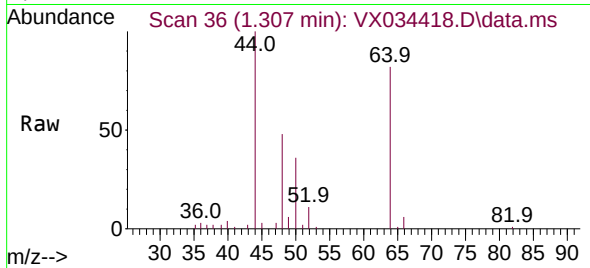
#3  
Chloromethane  
Concen: 1.127 ug/l m  
RT: 1.307 min Scan# 30  
Delta R.T. 0.006 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

Tgt Ion: 50 Resp: 506  
Ion Ratio Lower Upper  
50 100  
52 29.7 25.9 38.9

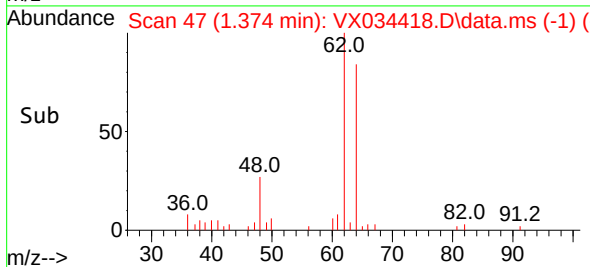
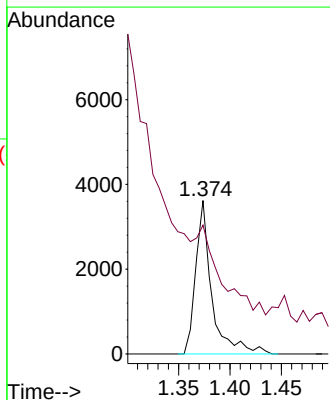
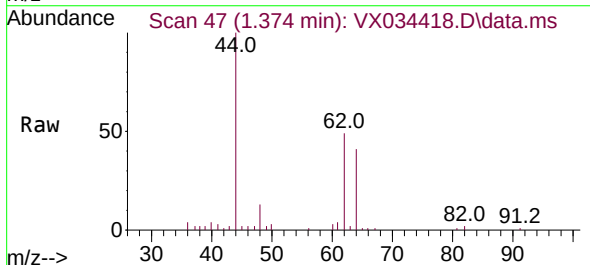
Manual Integrations  
APPROVED

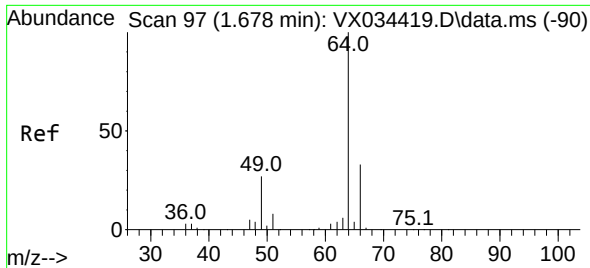
Reviewed By :John Carlone 03/13/2023  
Supervised By :Mahesh Dadoda 03/13/2023



#4  
Vinyl Chloride  
Concen: 1.069 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. 0.000 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

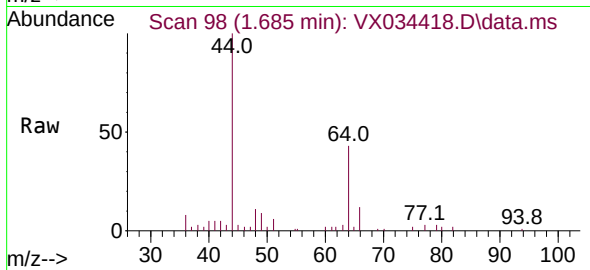
Tgt Ion: 62 Resp: 3941  
Ion Ratio Lower Upper  
62 100  
64 53.9 26.4 39.6#





#6  
Chloroethane  
Concen: 1.146 ug/l  
RT: 1.685 min Scan# 97  
Delta R.T. 0.007 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

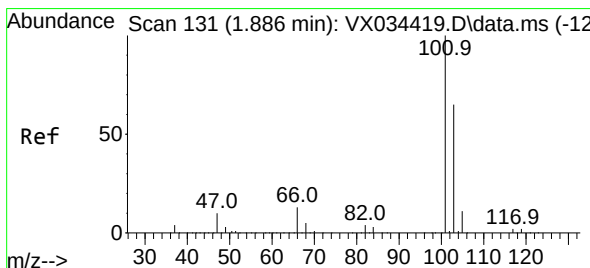
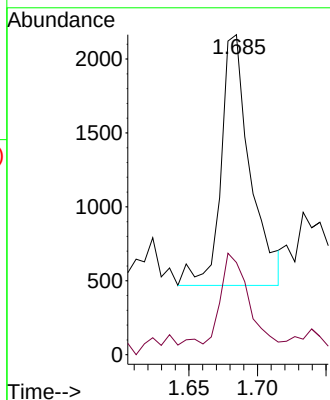
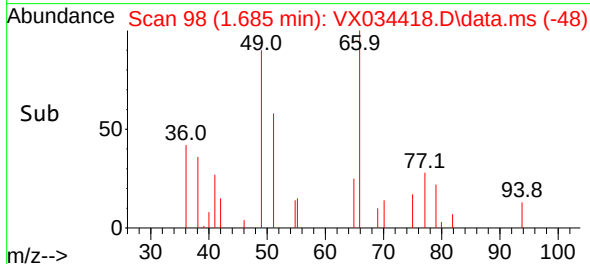
Instrument :  
MSVOA\_X  
Client Sample Id :  
VSTDIC001



Tgt Ion: 64 Resp: 2518  
Ion Ratio Lower Upper  
64 100  
66 32.9 26.2 39.4

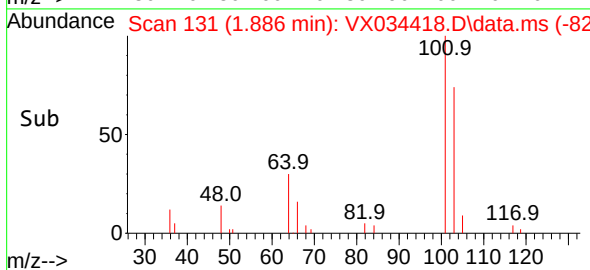
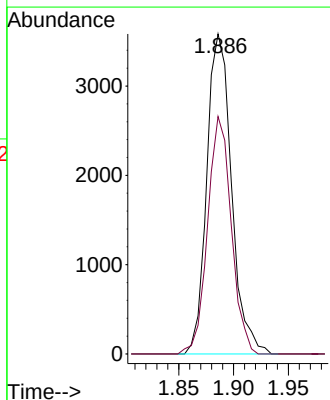
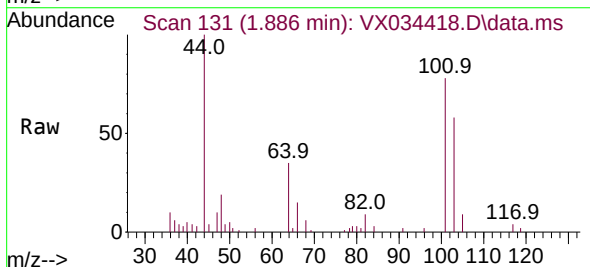
Manual Integrations  
APPROVED

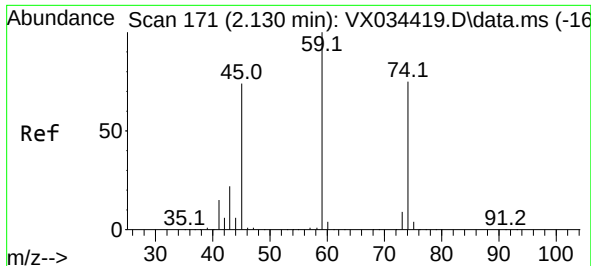
Reviewed By : John Carlone 03/13/2023  
Supervised By : Mahesh Dadoda 03/13/2023



#7  
Trichlorofluoromethane  
Concen: 1.010 ug/l  
RT: 1.886 min Scan# 131  
Delta R.T. 0.000 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

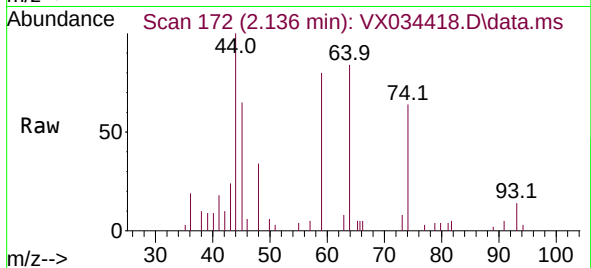
Tgt Ion: 101 Resp: 5623  
Ion Ratio Lower Upper  
101 100  
103 74.2 52.0 78.0





#8  
Diethyl Ether  
Concen: 1.008 ug/l  
RT: 2.136 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

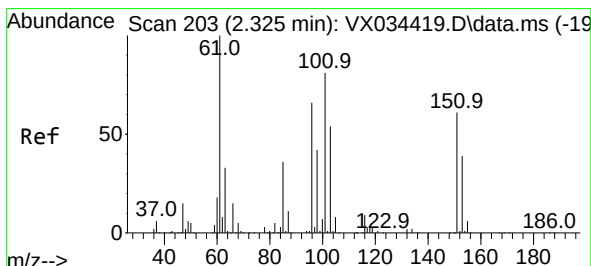
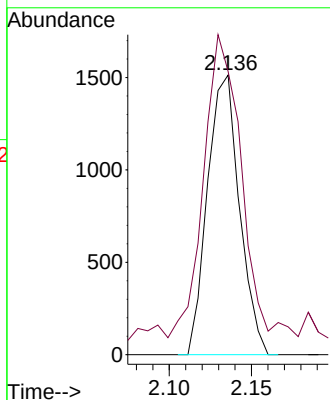
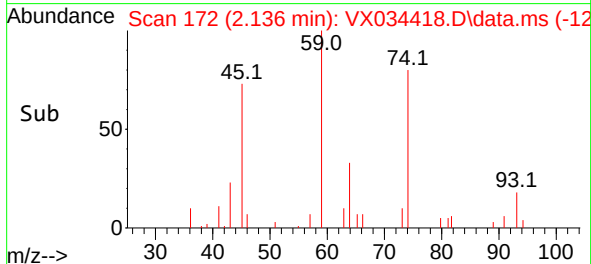
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001



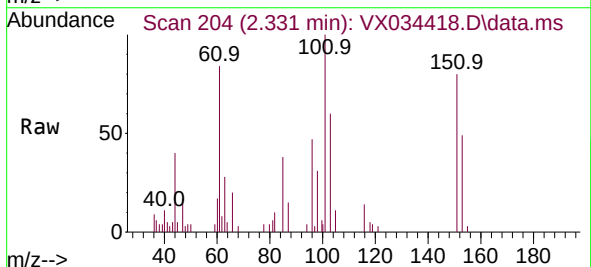
Tgt Ion: 74 Resp: 204  
Ion Ratio Lower Upper  
74 100  
45 136.9 49.8 149.3

Manual Integrations  
APPROVED

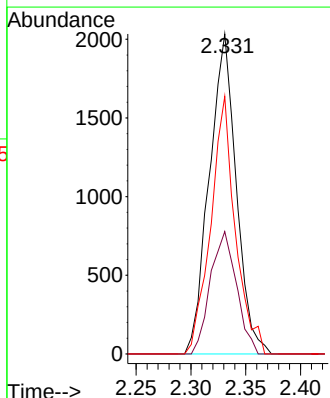
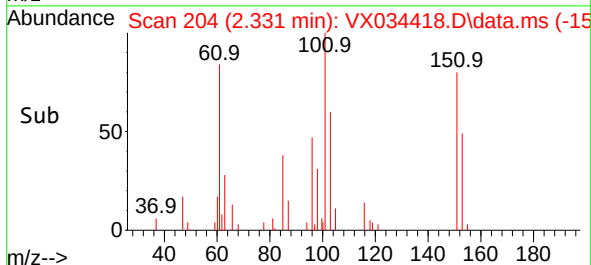
Reviewed By :John Carlone 03/13/2023  
Supervised By :Mahesh Dadoda 03/13/2023

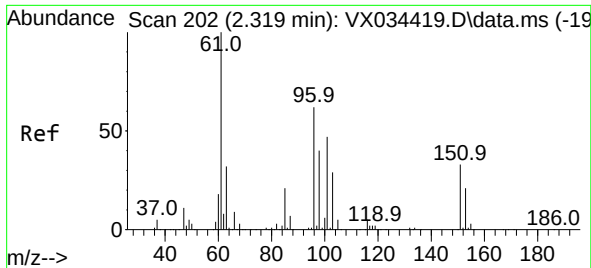


#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 1.060 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. 0.006 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30



Tgt Ion:101 Resp: 3478  
Ion Ratio Lower Upper  
101 100  
85 37.1 35.4 53.2  
151 73.5 60.2 90.4





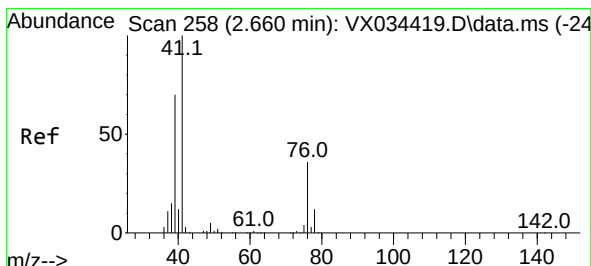
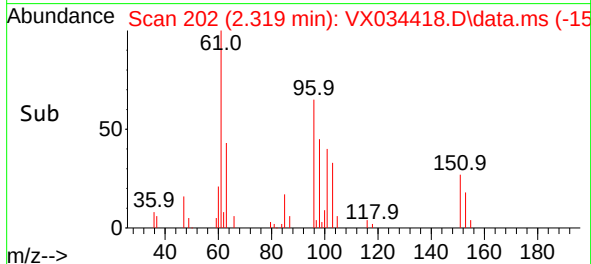
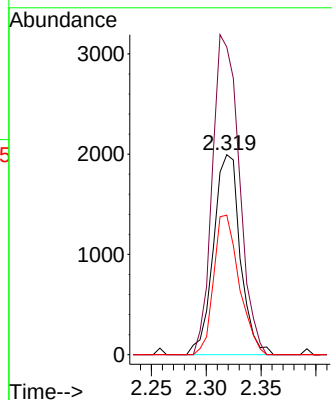
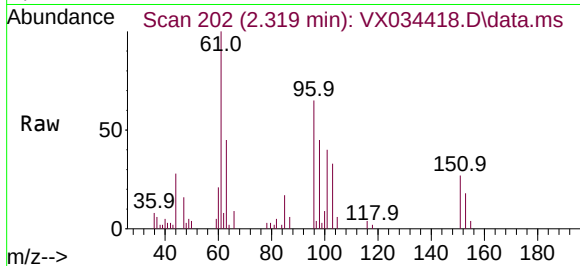
#12  
1,1-Dichloroethene  
Concen: 1.058 ug/l  
RT: 2.319 min Scan# 202  
Delta R.T. 0.000 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

Tgt Ion: 96 Resp: 3400  
Ion Ratio Lower Upper  
96 100  
61 153.8 128.8 193.2  
98 69.8 51.4 77.0

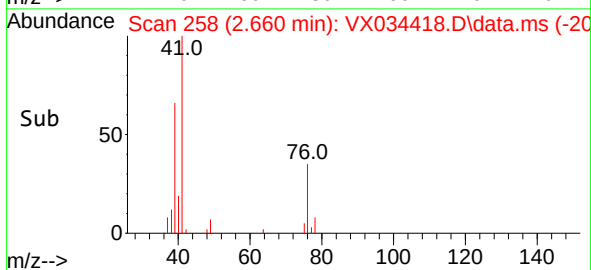
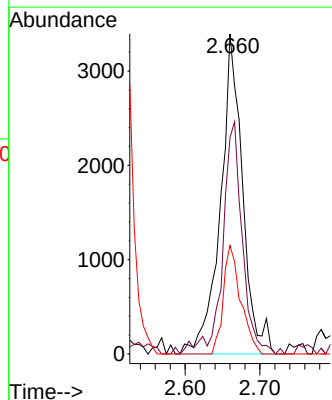
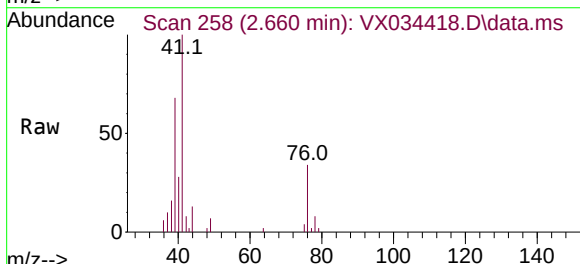
Manual Integrations  
APPROVED

Reviewed By :John Carlone 03/13/2023  
Supervised By :Mahesh Dadoda 03/13/2023

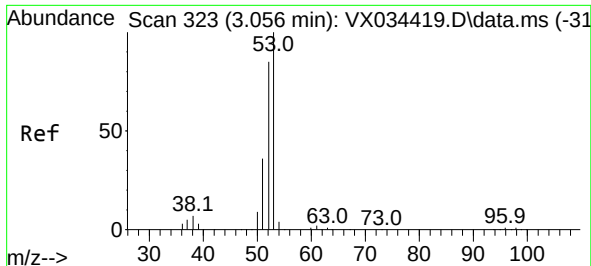


#14  
Allyl chloride  
Concen: 1.077 ug/l  
RT: 2.660 min Scan# 258  
Delta R.T. 0.000 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Tgt Ion: 41 Resp: 7021  
Ion Ratio Lower Upper  
41 100  
39 64.5 52.4 78.6  
76 26.6 26.0 39.0







#15

Acrylonitrile

Concen: 5.237 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

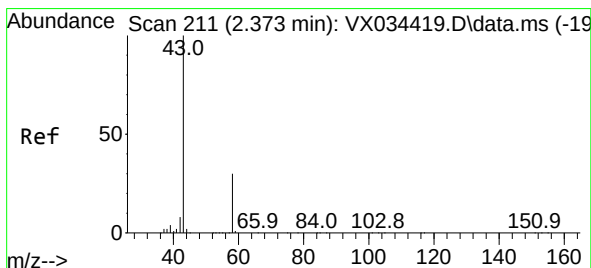
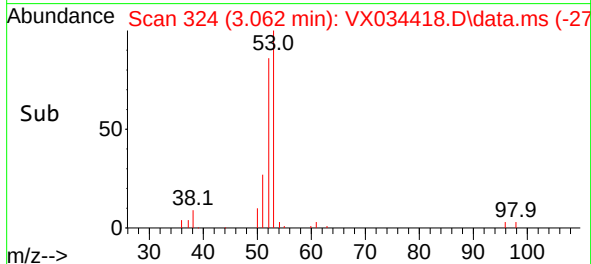
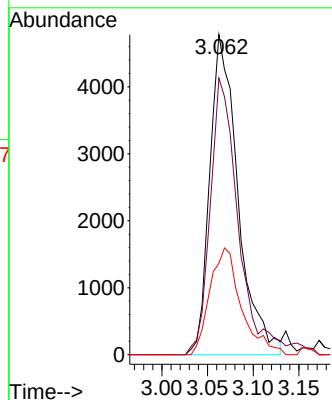
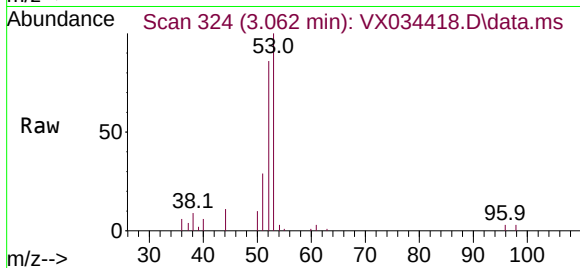
|             |             |
|-------------|-------------|
| Tgt Ion: 53 | Resp: 10279 |
| Ion Ratio   | Lower Upper |
| 53 100      |             |
| 52 87.3     | 66.2 99.2   |
| 51 37.0     | 28.3 42.5   |

Manual Integrations

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Reviewed By :John Carlone 03/13/2023

Supervised By :Mahesh Dadoda 03/13/2023



#16

Acetone

Concen: 5.456 ug/l

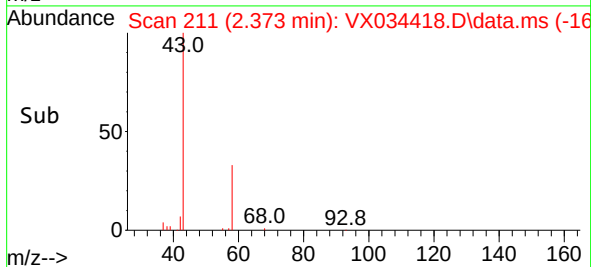
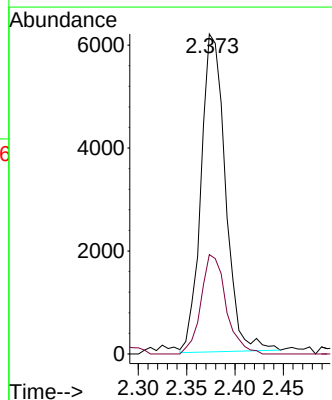
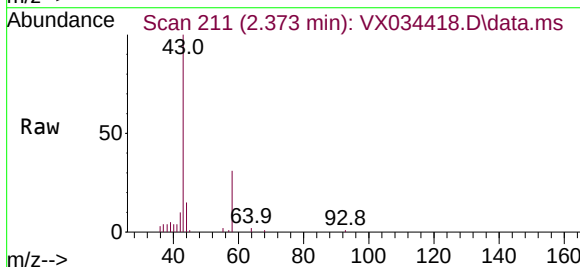
RT: 2.373 min Scan# 211

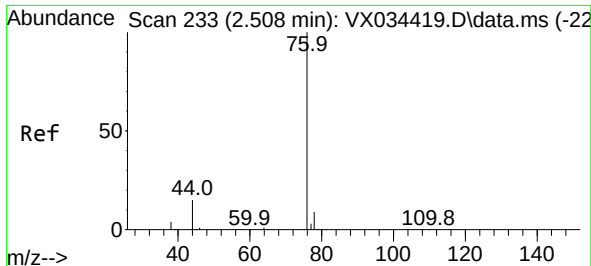
Delta R.T. 0.000 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 10881 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 31.4     | 24.7 37.1   |





#17

Carbon Disulfide

Concen: 1.515 ug/l

RT: 2.508 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

Tgt Ion: 76 Resp: 1355

Ion Ratio Lower Upper

76 100

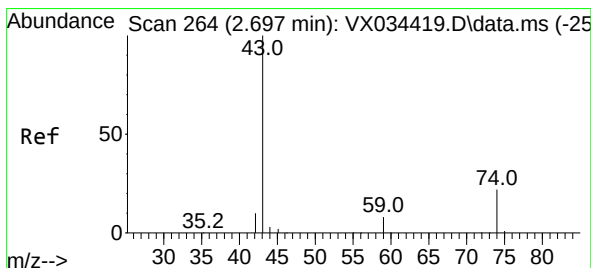
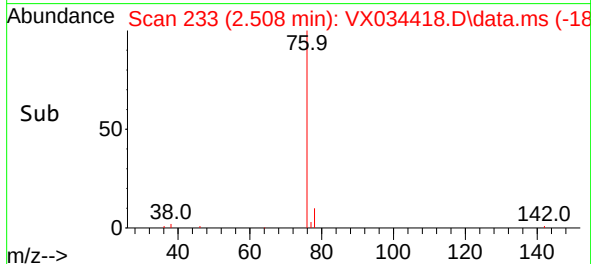
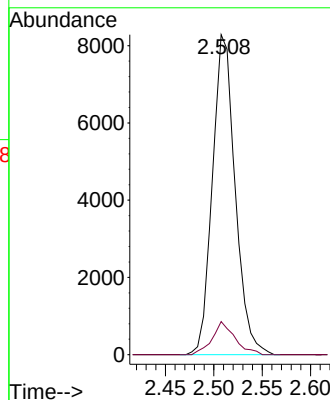
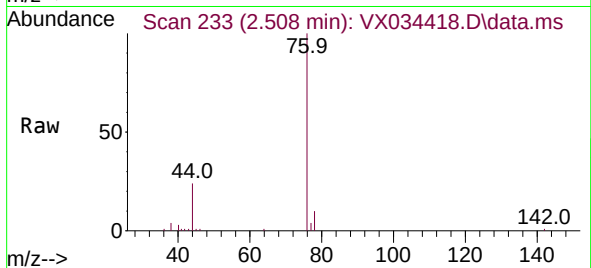
78 10.3 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/13/2023

Supervised By :Mahesh Dadoda 03/13/2023



#18

Methyl Acetate

Concen: 1.155 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.006 min

Lab File: VX034418.D

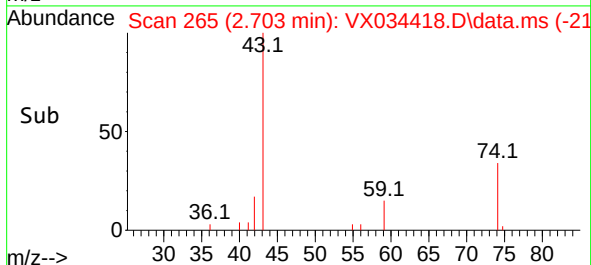
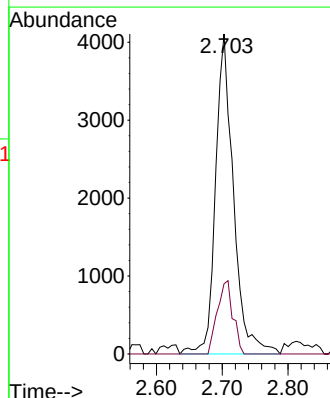
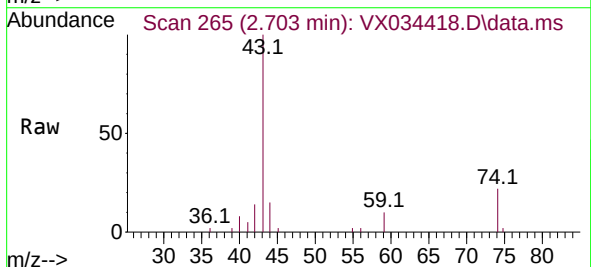
Acq: 10 Mar 2023 15:30

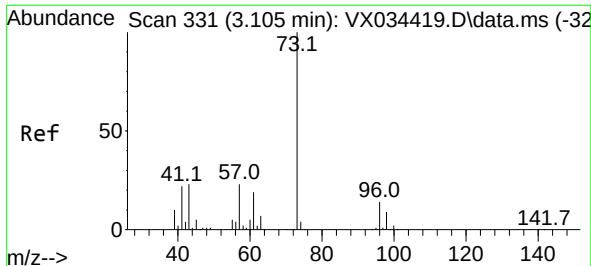
Tgt Ion: 43 Resp: 7797

Ion Ratio Lower Upper

43 100

74 19.9 18.3 27.5





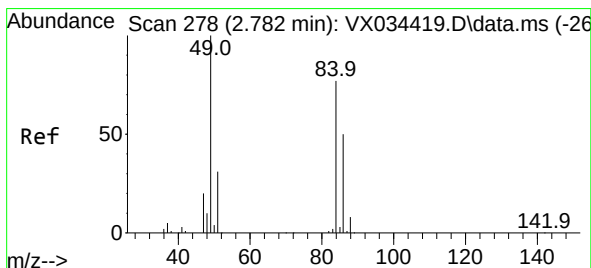
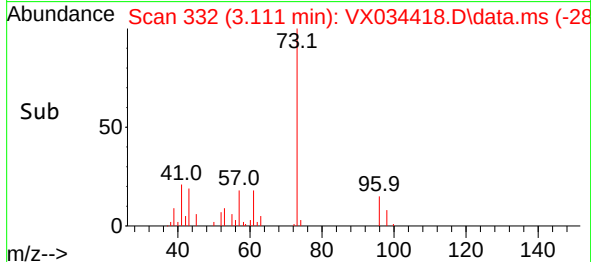
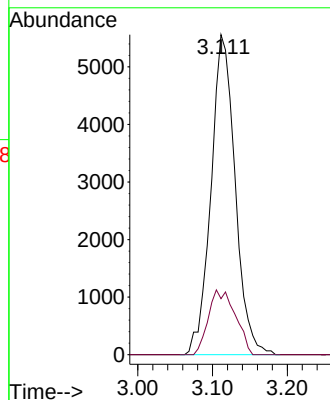
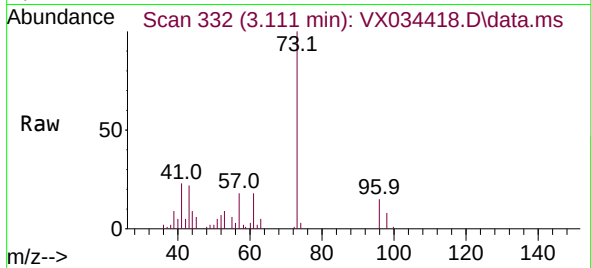
#19  
Methyl tert-butyl Ether  
Concen: 1.071 ug/l  
RT: 3.111 min Scan# 311  
Delta R.T. 0.006 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

Tgt Ion: 73 Resp: 1253  
Ion Ratio Lower Upper  
73 100  
57 17.5 18.5 27.7

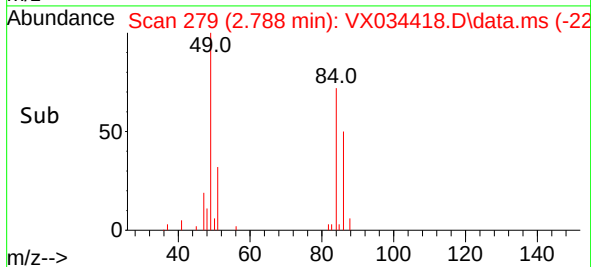
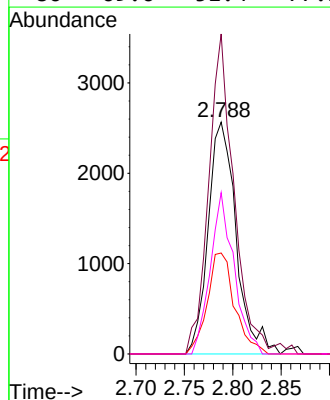
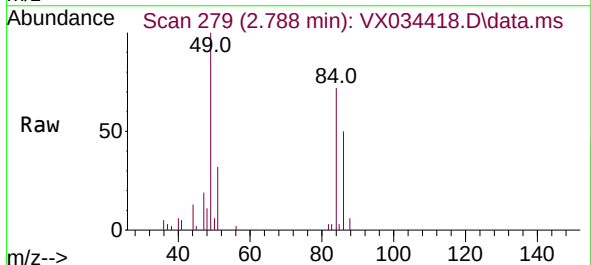
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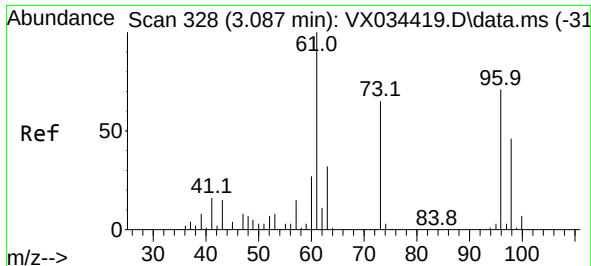
Reviewed By :John Carlone 03/13/2023  
Supervised By :Mahesh Dadoda 03/13/2023



#20  
Methylene Chloride  
Concen: 1.294 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.006 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

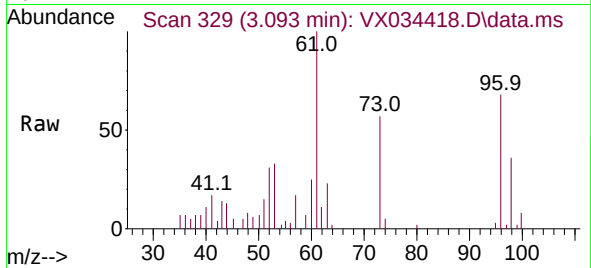
Tgt Ion: 84 Resp: 5177  
Ion Ratio Lower Upper  
84 100  
49 138.0 103.8 155.8  
51 43.5 31.8 47.8  
86 69.6 51.4 77.2





#21  
trans-1,2-Dichloroethene  
Concen: 1.174 ug/l  
RT: 3.093 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

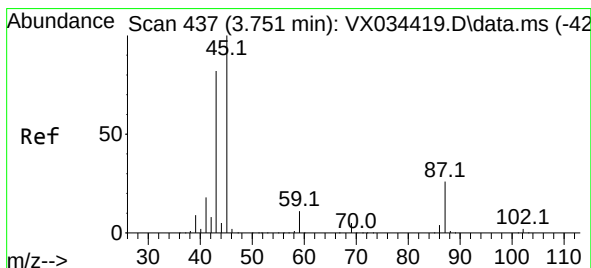
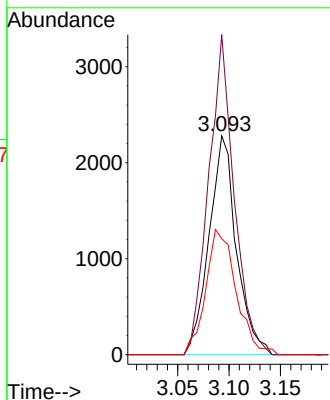
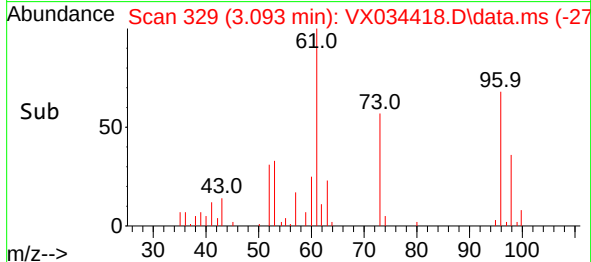
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001



Tgt Ion: 96 Resp: 4224  
Ion Ratio Lower Upper  
96 100  
61 146.2 113.0 169.6  
98 52.9 52.1 78.1

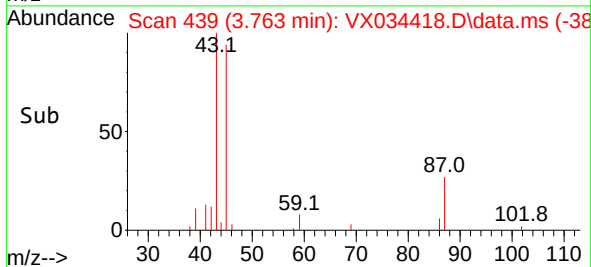
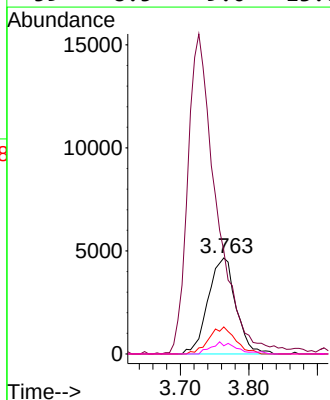
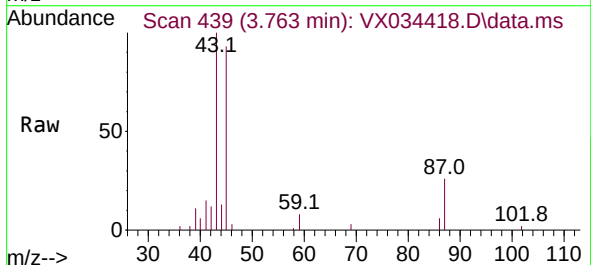
Manual Integrations  
APPROVED

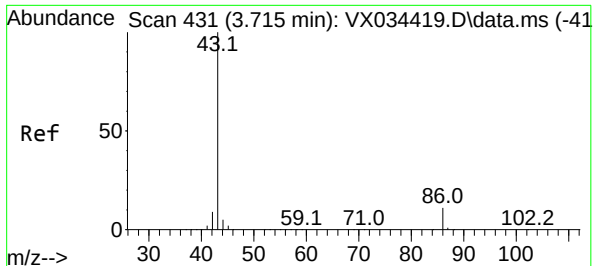
Reviewed By :John Carlone 03/13/2023  
Supervised By :Mahesh Dadoda 03/13/2023



#22  
Diisopropyl ether  
Concen: 1.048 ug/l  
RT: 3.763 min Scan# 439  
Delta R.T. 0.012 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

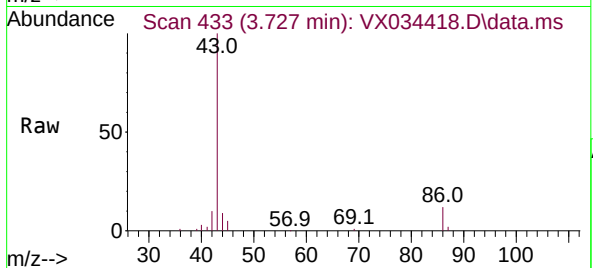
Tgt Ion: 45 Resp: 13107  
Ion Ratio Lower Upper  
45 100  
43 101.4 65.4 98.2#  
87 28.2 20.6 31.0  
59 8.5 9.0 13.6#





#23  
 Vinyl Acetate  
 Concen: 4.809 ug/l  
 RT: 3.727 min Scan# 41  
 Delta R.T. 0.012 min  
 Lab File: VX034418.D  
 Acq: 10 Mar 2023 15:30

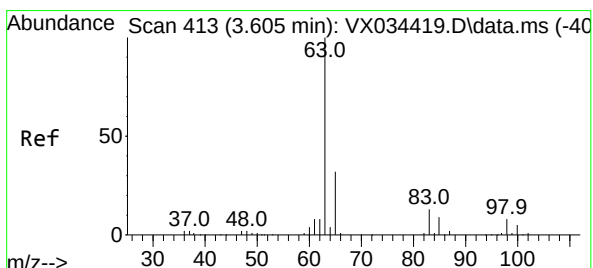
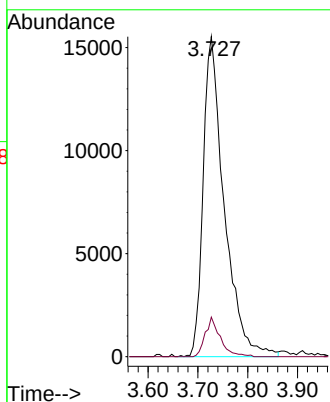
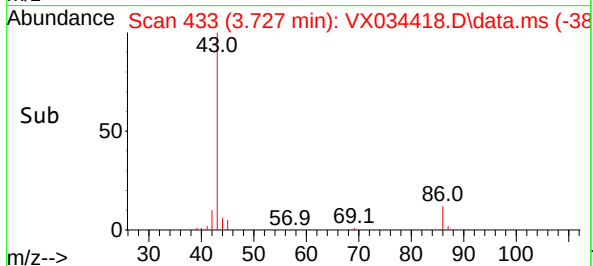
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC001



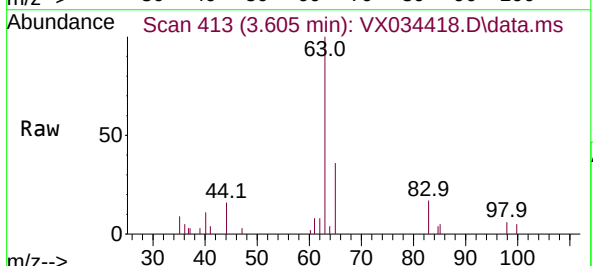
Tgt Ion: 43 Resp: 45550  
 Ion Ratio Lower Upper  
 43 100  
 86 12.3 8.5 12.7

Manual Integrations  
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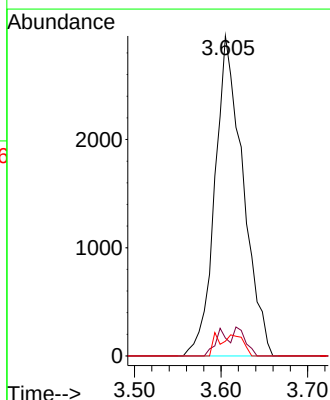
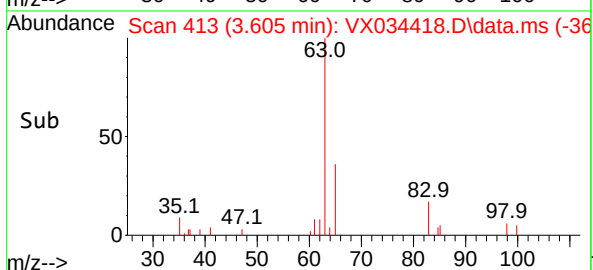
Reviewed By :John Carlone 03/13/2023  
 Supervised By :Mahesh Dadoda 03/13/2023

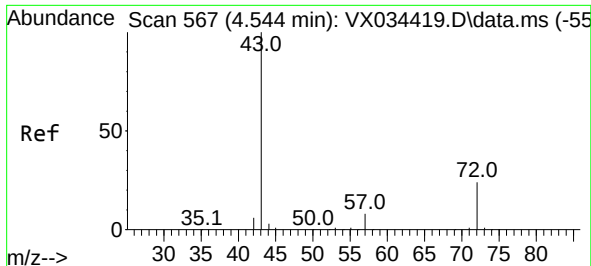


#24  
 1,1-Dichloroethane  
 Concen: 0.994 ug/l  
 RT: 3.605 min Scan# 413  
 Delta R.T. 0.000 min  
 Lab File: VX034418.D  
 Acq: 10 Mar 2023 15:30



Tgt Ion: 63 Resp: 6660  
 Ion Ratio Lower Upper  
 63 100  
 98 5.6 3.8 11.2  
 100 4.6 2.4 7.1





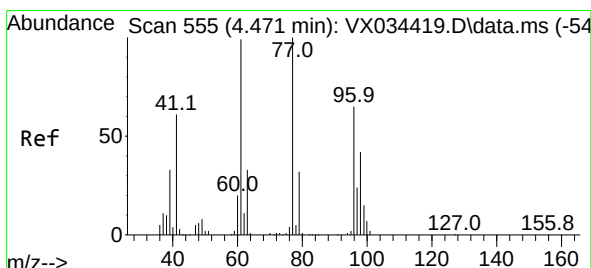
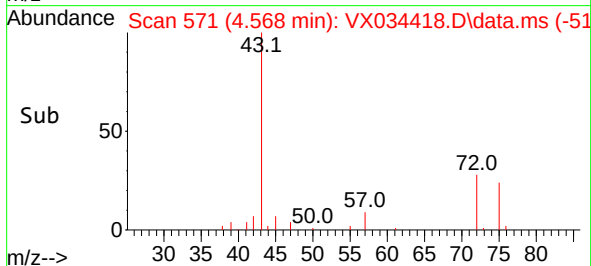
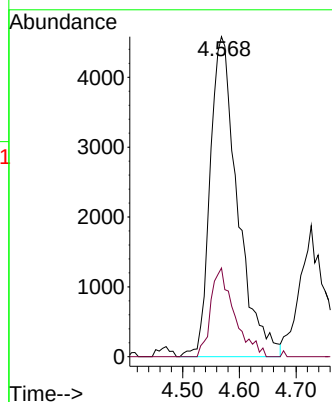
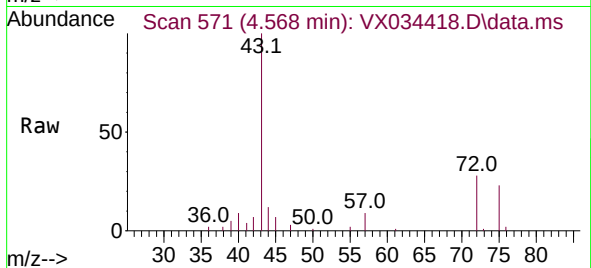
#25  
2-Butanone  
Concen: 5.256 ug/l  
RT: 4.568 min Scan# 51  
Delta R.T. 0.024 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

Tgt Ion: 43 Resp: 1541  
Ion Ratio Lower Upper  
43 100  
72 27.7 19.3 28.9

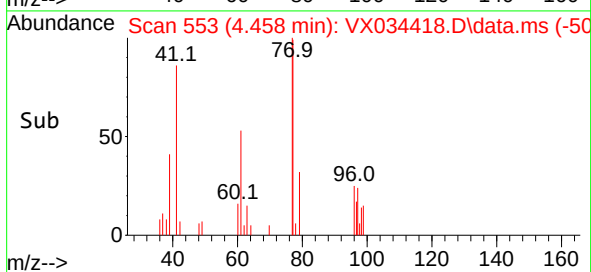
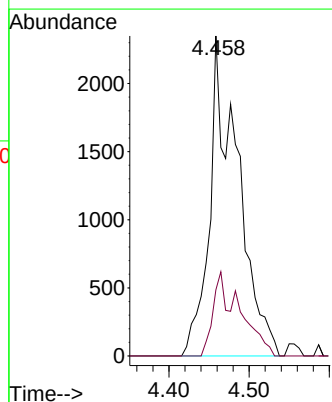
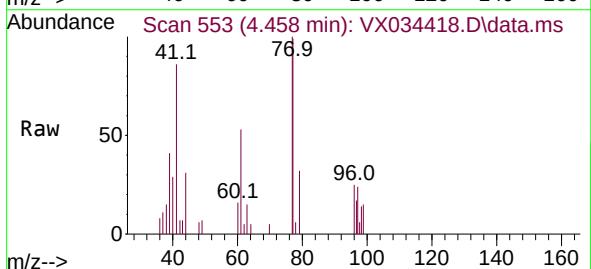
Manual Integrations  
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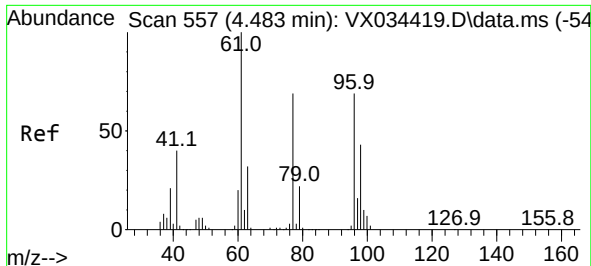
Reviewed By :John Carlone 03/13/2023  
Supervised By :Mahesh Dadoda 03/13/2023



#26  
2,2-Dichloropropane  
Concen: 0.988 ug/l m  
RT: 4.458 min Scan# 553  
Delta R.T. -0.012 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Tgt Ion: 77 Resp: 5753  
Ion Ratio Lower Upper  
77 100  
97 13.3 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 1.121 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 474

Ion Ratio Lower Upper

96 100

61 139.9 0.0 300.4

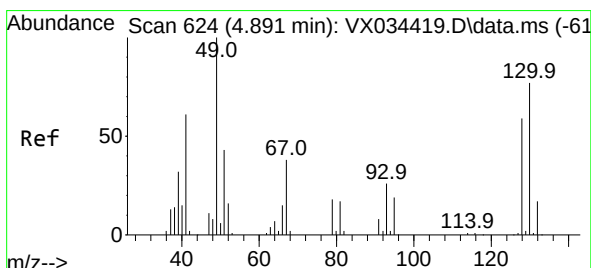
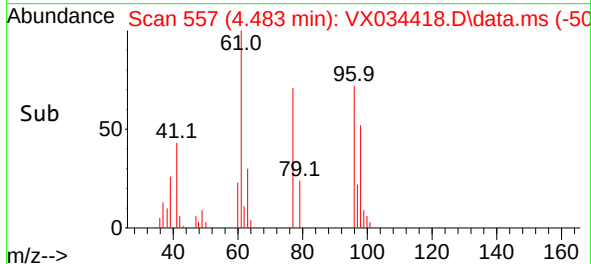
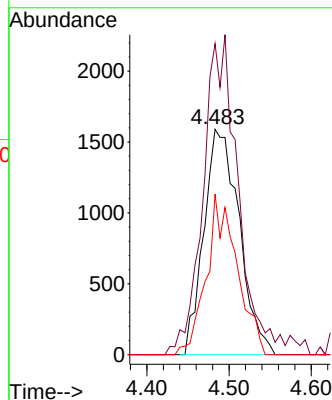
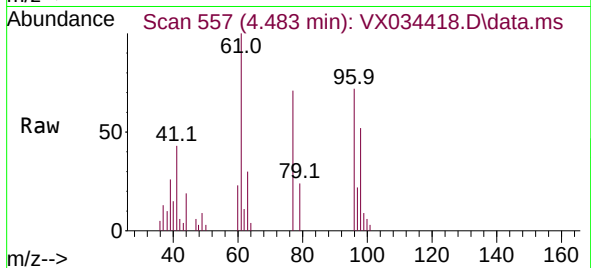
98 61.5 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/13/2023

Supervised By :Mahesh Dadoda 03/13/2023



#28

Bromochloromethane

Concen: 1.025 ug/l

RT: 4.897 min Scan# 625

Delta R.T. 0.006 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

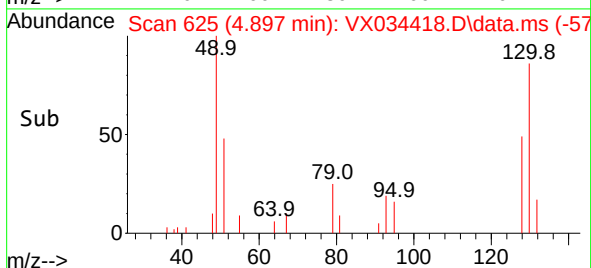
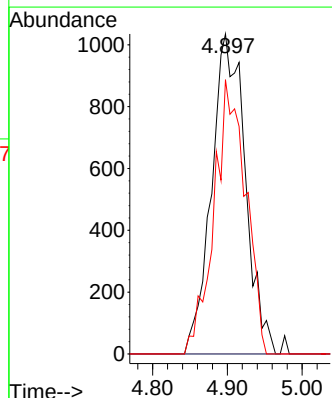
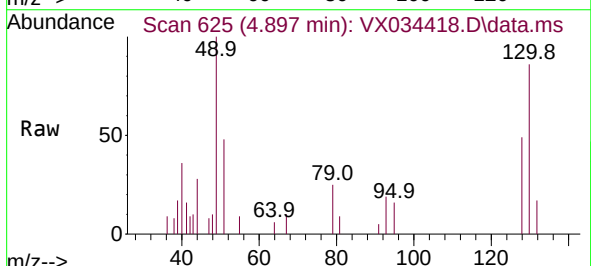
Tgt Ion: 49 Resp: 3239

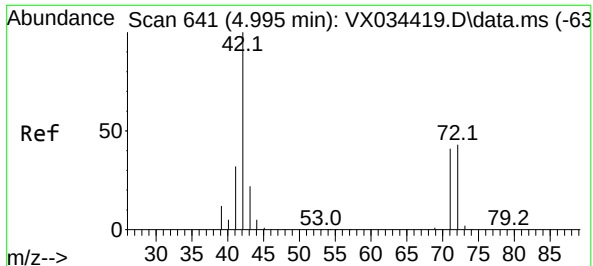
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 80.7 58.2 87.2





#29

Tetrahydrofuran

Concen: 5.314 ug/l

RT: 5.007 min Scan# 641

Delta R.T. 0.012 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

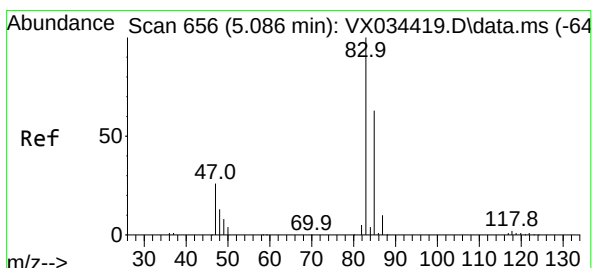
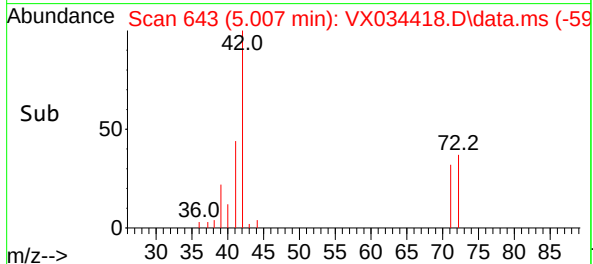
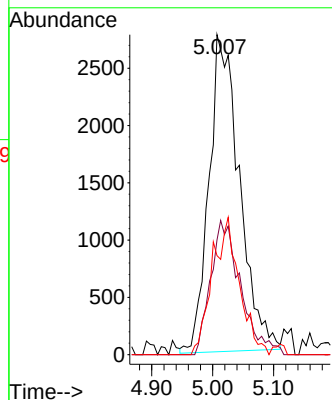
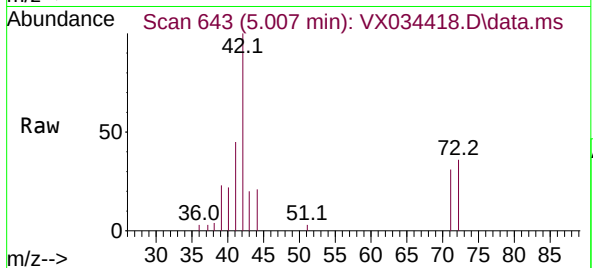
|             |             |
|-------------|-------------|
| Tgt Ion: 42 | Resp: 9624  |
| Ion Ratio   | Lower Upper |
| 42 100      |             |
| 72 41.6     | 34.5 51.7   |
| 71 38.6     | 32.1 48.1   |

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/13/2023

Supervised By :Mahesh Dadoda 03/13/2023



#30

Chloroform

Concen: 1.065 ug/l

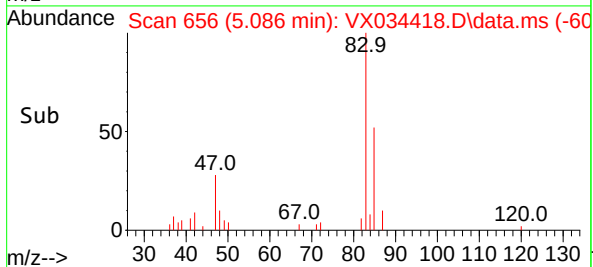
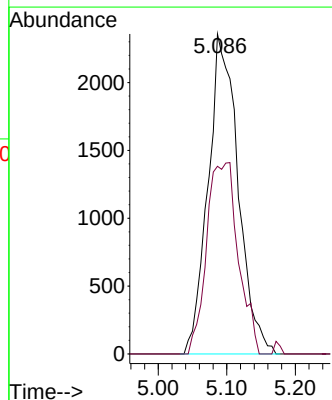
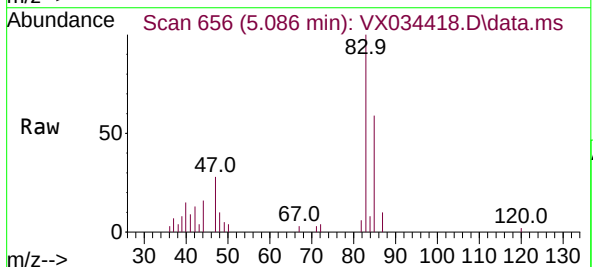
RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

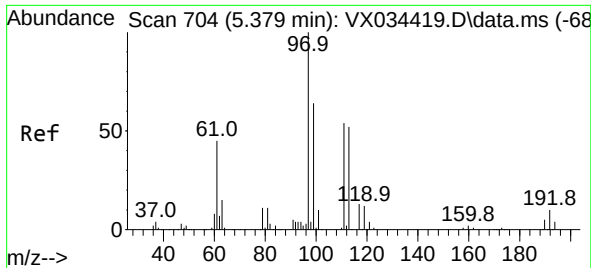
Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 7173  |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 85 58.7     | 50.6 76.0   |







#32

1,1,1-Trichloroethane

Concen: 0.941 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

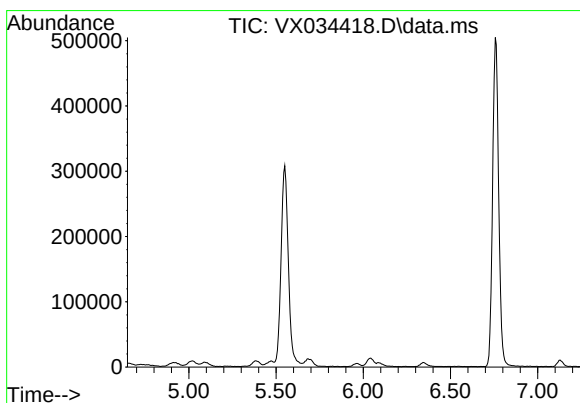
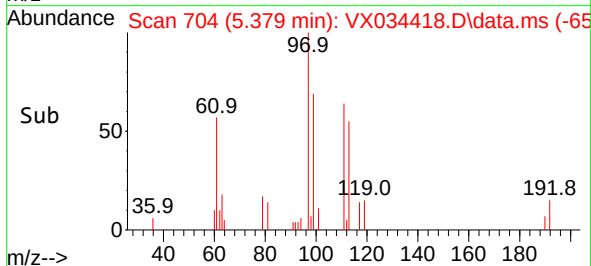
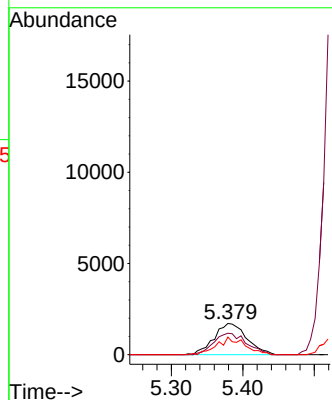
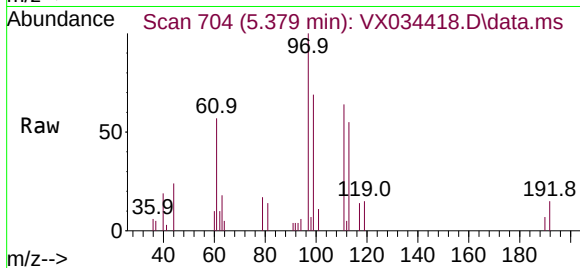
|             |                |
|-------------|----------------|
| Tgt Ion: 97 | Resp: 5450     |
| Ion Ratio   | Lower Upper    |
| 97          | 100            |
| 99          | 0.0 51.1 76.7  |
| 61          | 47.5 36.5 54.7 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/13/2023

Supervised By :Mahesh Dadoda 03/13/2023



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 5.95 min

Lab File: VX034418.D

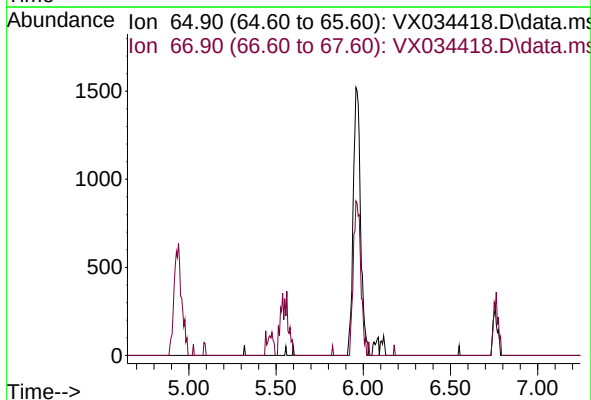
Acq: 10 Mar 2023 15:30

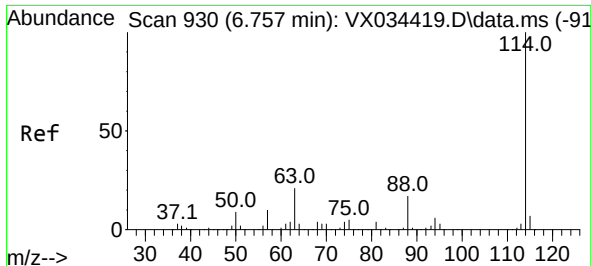
Tgt Ion: 65

Sig Exp Ratio

65 100

67 52.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

Tgt Ion:114 Resp: 52206

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.2

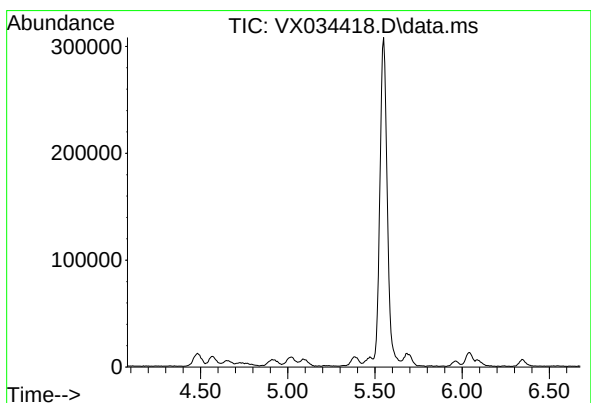
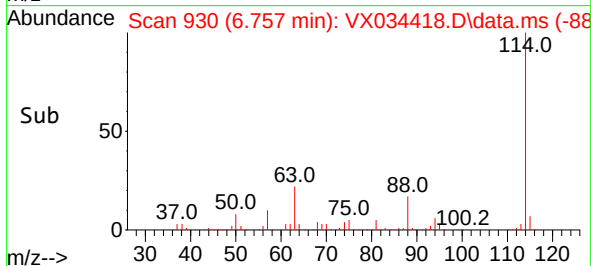
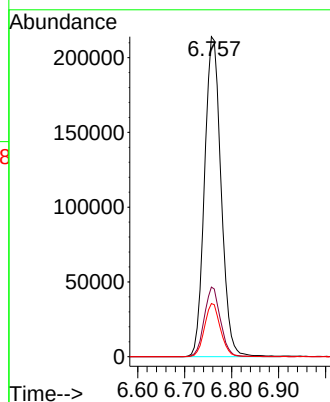
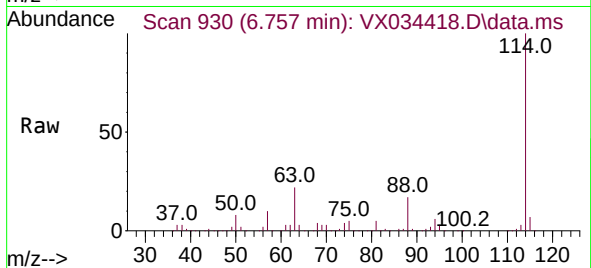
88 16.6 0.0 33.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/13/2023

Supervised By :Mahesh Dadoda 03/13/2023



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 5.38 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

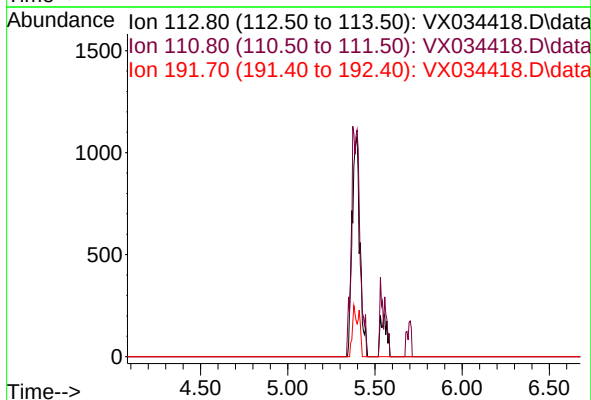
Tgt Ion: 113

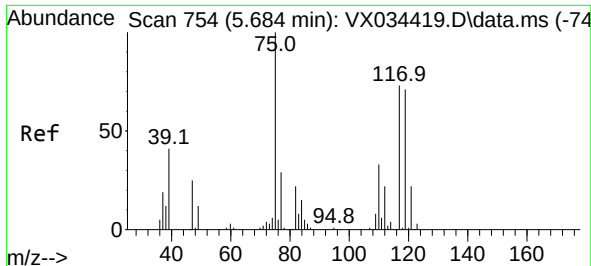
Sig Exp Ratio

113 100

111 104.6

192 19.3





#36

1,1-Dichloropropene

Concen: 1.037 ug/l

RT: 5.702 min Scan# 754

Delta R.T. 0.018 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

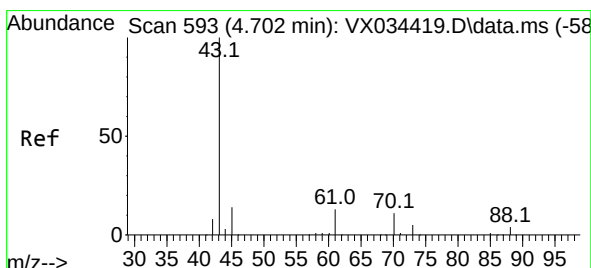
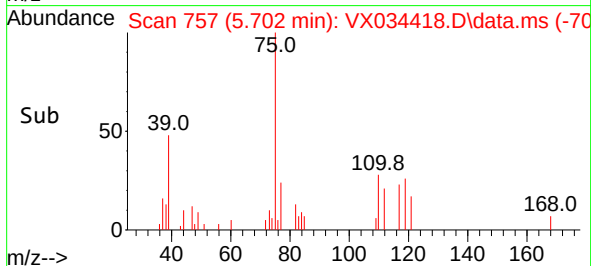
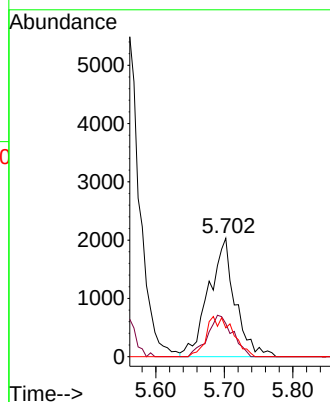
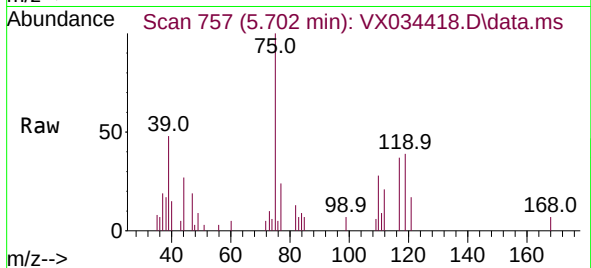
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 545   |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 33.0  | 17.5  | 52.5  |
| 77       | 33.7  | 24.3  | 36.5  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/13/2023

Supervised By :Mahesh Dadoda 03/13/2023



#37

Ethyl Acetate

Concen: 1.118 ug/l

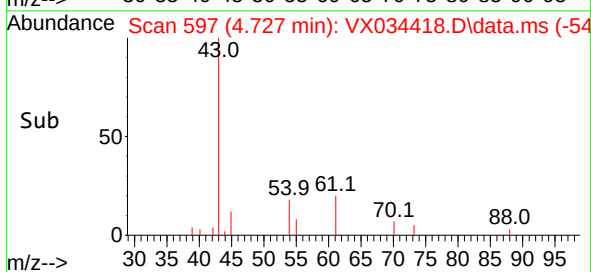
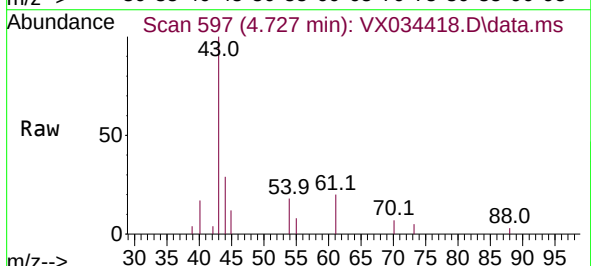
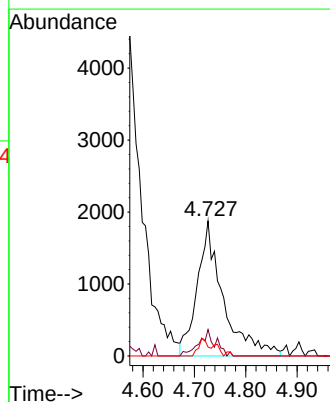
RT: 4.727 min Scan# 597

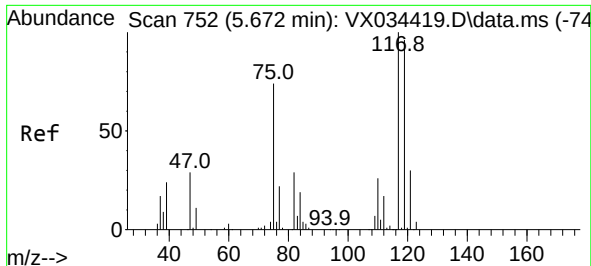
Delta R.T. 0.024 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

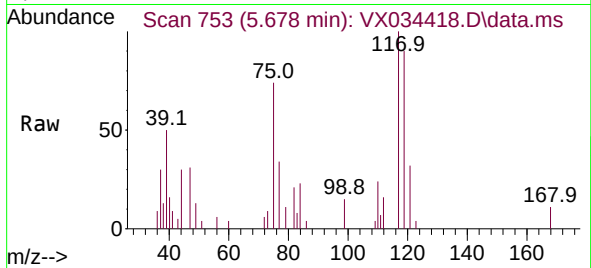
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 6564  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 9.5   | 10.2  | 15.4# |
| 70       | 4.9   | 8.2   | 12.4# |





#38  
Carbon Tetrachloride  
Concen: 0.904 ug/l  
RT: 5.678 min Scan# 752  
Delta R.T. 0.006 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

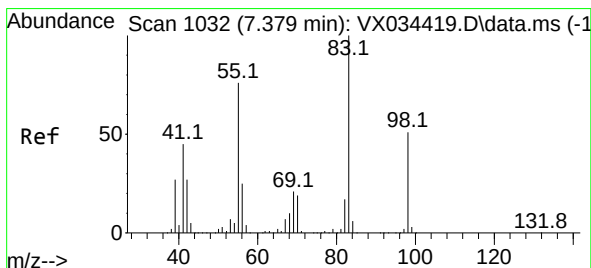
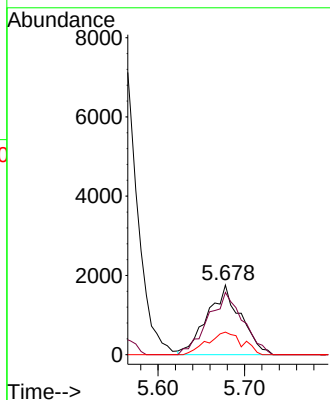
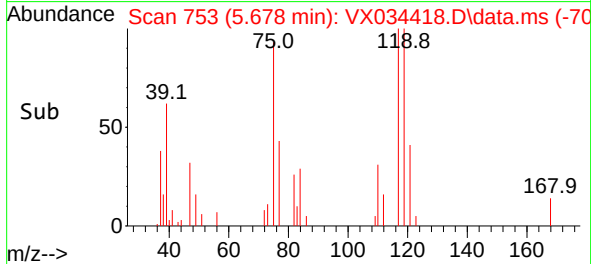
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001



Tgt Ion: 117 Resp: 470  
Ion Ratio Lower Upper  
117 100  
119 89.5 76.6 114.8  
121 32.5 23.8 35.6

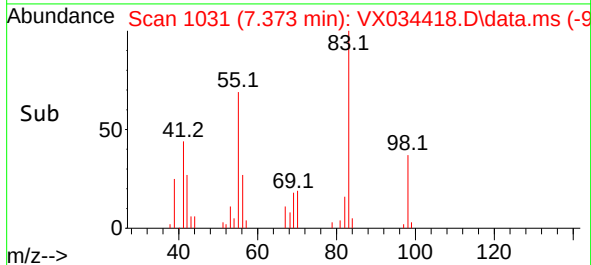
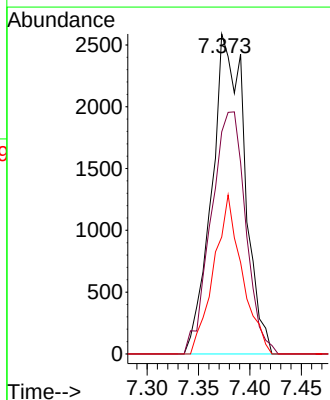
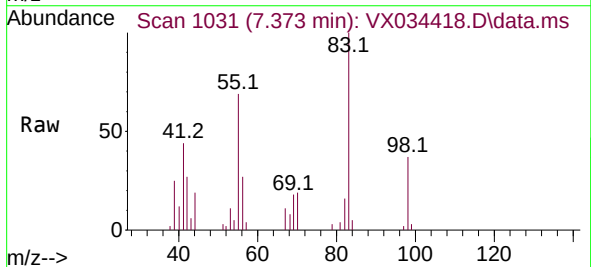
Manual Integrations  
APPROVED

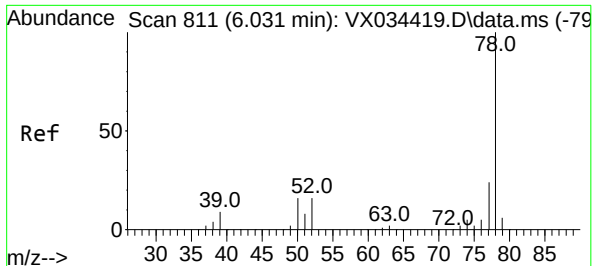
Reviewed By :John Carlone 03/13/2023  
Supervised By :Mahesh Dadoda 03/13/2023



#39  
Methylcyclohexane  
Concen: 0.920 ug/l  
RT: 7.373 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Tgt Ion: 83 Resp: 5766  
Ion Ratio Lower Upper  
83 100  
55 69.4 60.5 90.7  
98 36.5 40.4 60.6#





#40

Benzene

Concen: 1.018 ug/l

RT: 6.044 min Scan# 811

Delta R.T. 0.012 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

Tgt Ion: 78 Resp: 1569

Ion Ratio Lower Upper

78 100

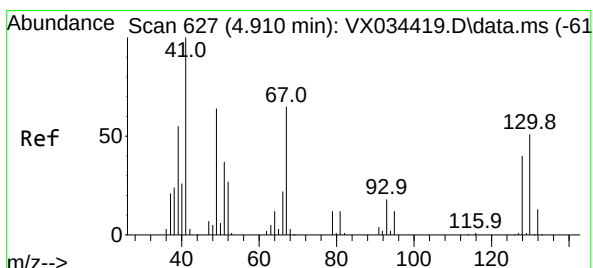
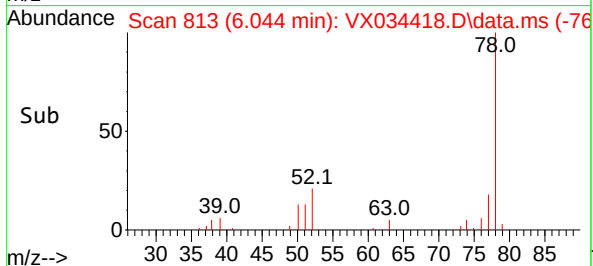
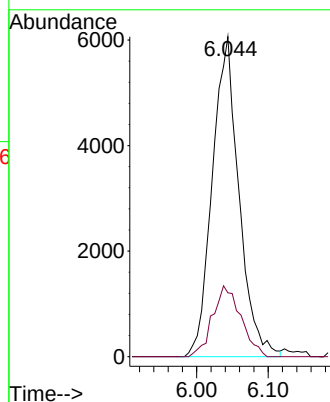
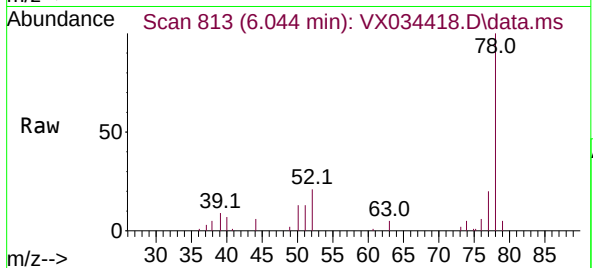
77 19.9 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/13/2023

Supervised By :Mahesh Dadoda 03/13/2023



#41

Methacrylonitrile

Concen: 0.984 ug/l

RT: 4.928 min Scan# 630

Delta R.T. 0.018 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

Tgt Ion: 41 Resp: 3115

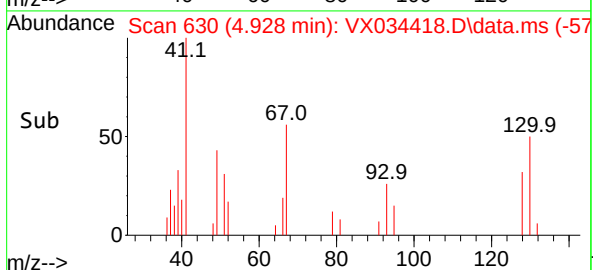
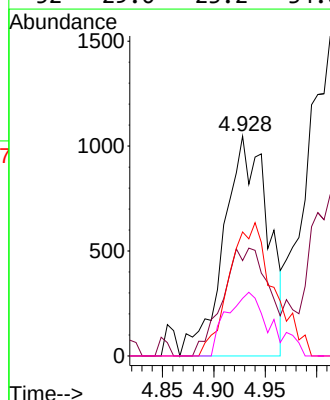
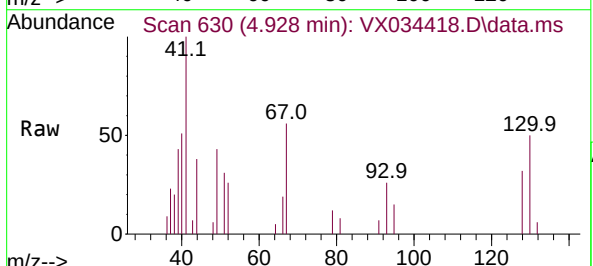
Ion Ratio Lower Upper

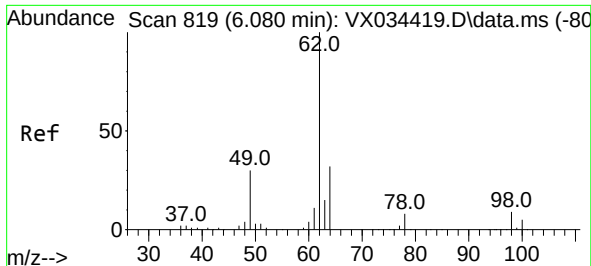
41 100

39 51.3 45.0 67.6

67 61.7 55.6 83.4

52 29.0 23.2 34.8





#42

1,2-Dichloroethane

Concen: 0.936 ug/l

RT: 6.098 min Scan# 819

Delta R.T. 0.018 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 5340

Ion Ratio Lower Upper

62 100

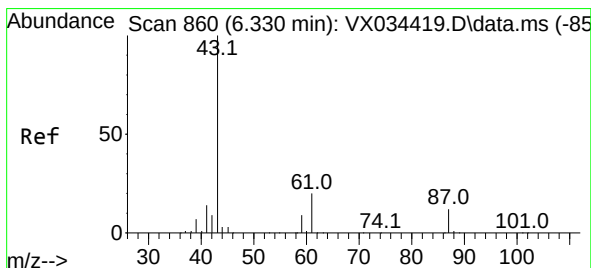
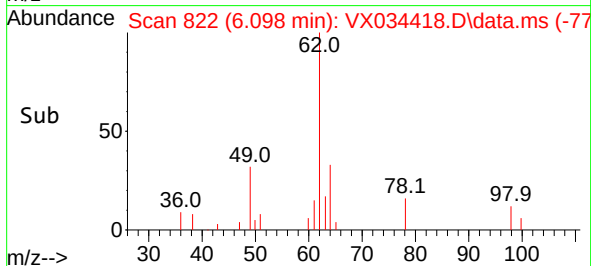
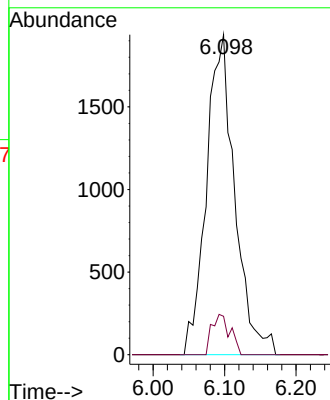
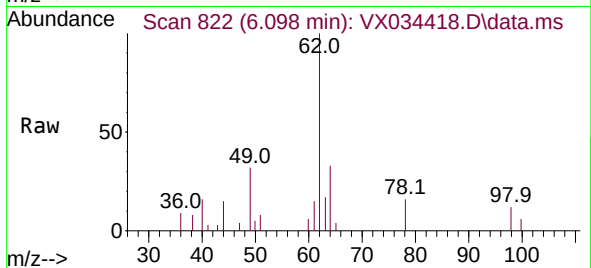
98 8.1 0.0 18.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/13/2023

Supervised By :Mahesh Dadoda 03/13/2023



#43

Isopropyl Acetate

Concen: 0.988 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.012 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

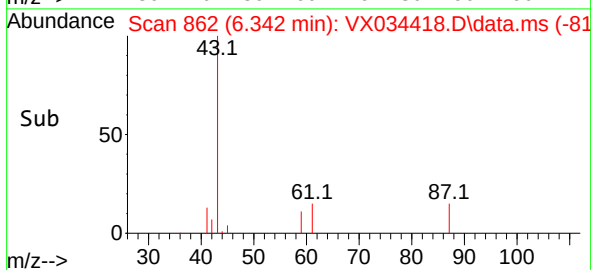
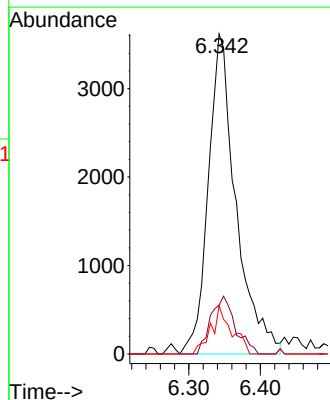
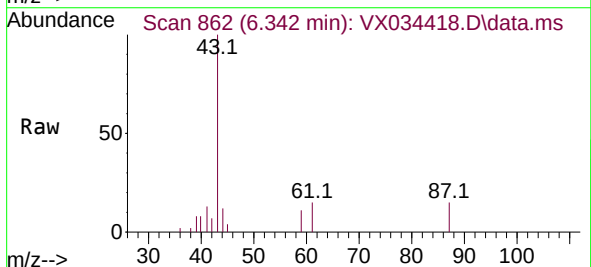
Tgt Ion: 43 Resp: 9718

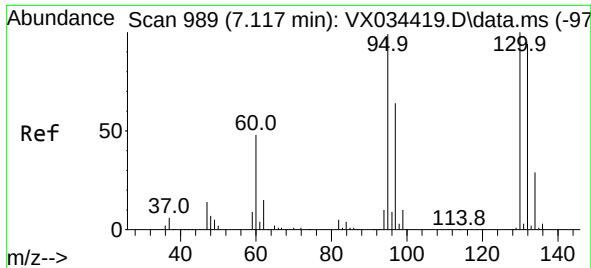
Ion Ratio Lower Upper

43 100

61 16.0 15.2 22.8

87 11.2 9.8 14.8





#44  
Trichloroethene  
Concen: 1.002 ug/l  
RT: 7.129 min Scan# 941  
Delta R.T. 0.012 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Instrument :

MSVOA\_X

ClientSampleId :

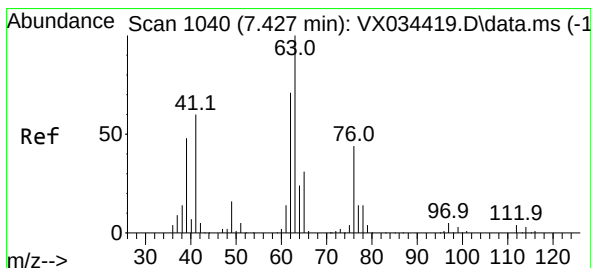
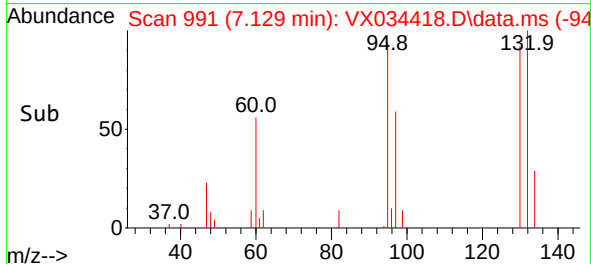
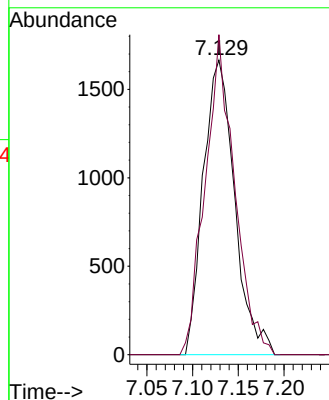
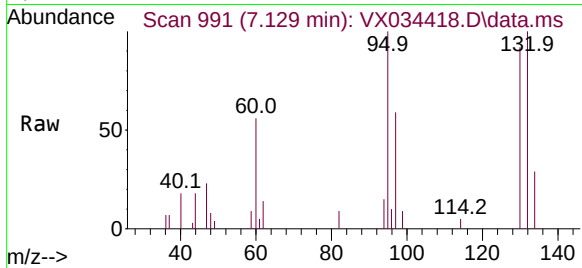
VSTDICC001

Tgt Ion:130 Resp: 399  
Ion Ratio Lower Upper  
130 100  
95 108.6 0.0 198.4

Manual Integrations

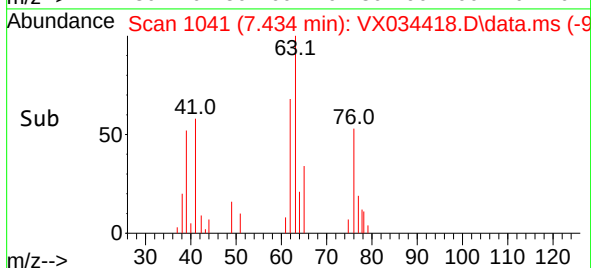
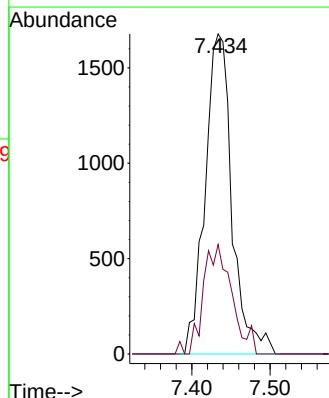
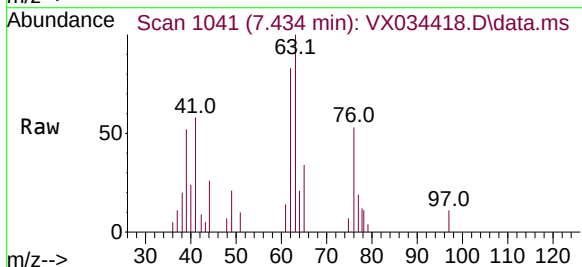
APPROVED

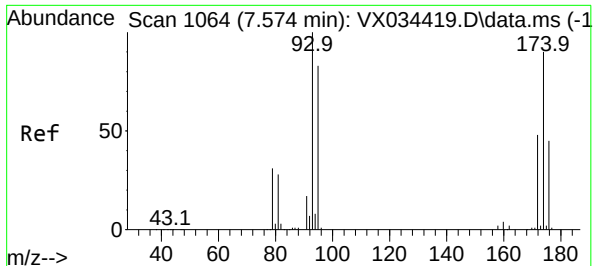
Reviewed By :John Carlone 03/13/2023  
Supervised By :Mahesh Dadoda 03/13/2023



#45  
1,2-Dichloropropane  
Concen: 0.991 ug/l  
RT: 7.434 min Scan# 1041  
Delta R.T. 0.006 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Tgt Ion: 63 Resp: 4003  
Ion Ratio Lower Upper  
63 100  
65 34.2 24.6 37.0





#46

Dibromomethane

Concen: 0.974 ug/l

RT: 7.586 min Scan# 1105

Delta R.T. 0.012 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

Tgt Ion: 93 Resp: 2698

Ion Ratio Lower Upper

93 100

95 82.6 66.9 100.3

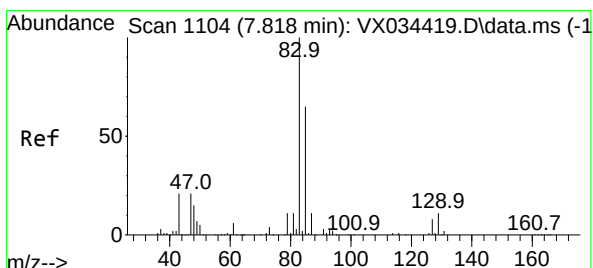
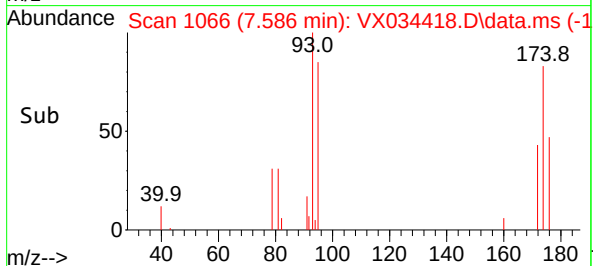
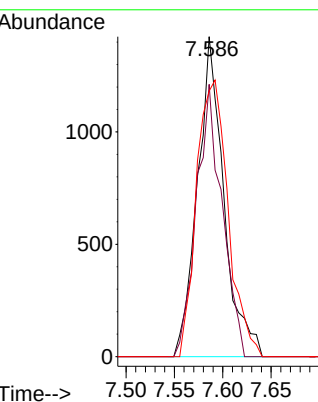
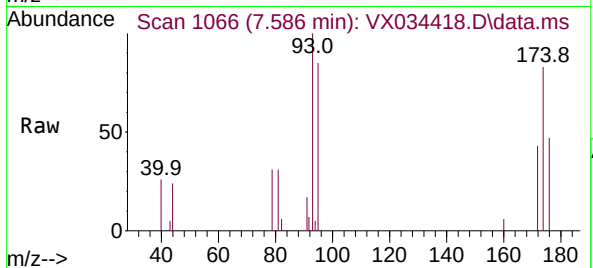
174 103.5 75.4 113.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/13/2023

Supervised By :Mahesh Dadoda 03/13/2023



#47

Bromodichloromethane

Concen: 0.936 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

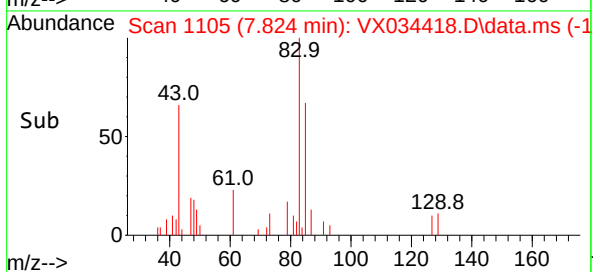
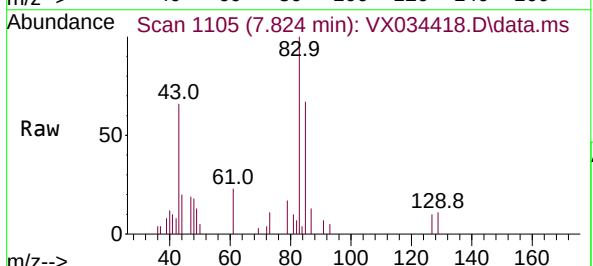
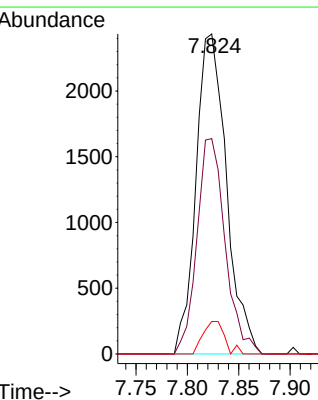
Tgt Ion: 83 Resp: 5014

Ion Ratio Lower Upper

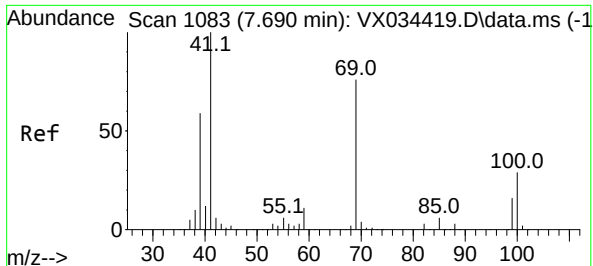
83 100

85 67.3 52.2 78.4

127 10.1 6.6 9.8#







#48  
Methyl methacrylate  
Concen: 0.943 ug/l  
RT: 7.702 min Scan# 1085  
Delta R.T. 0.012 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Instrument :

MSVOA\_X

ClientSampleId :

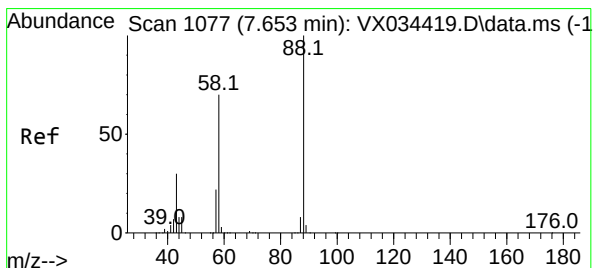
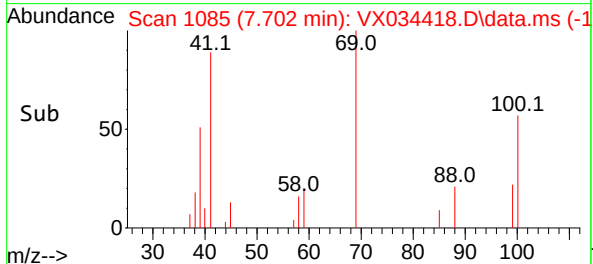
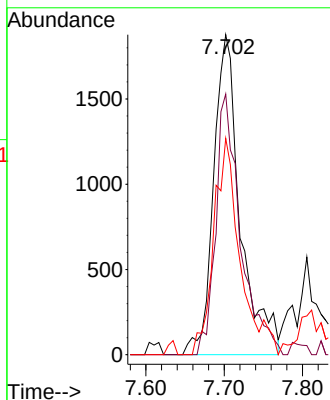
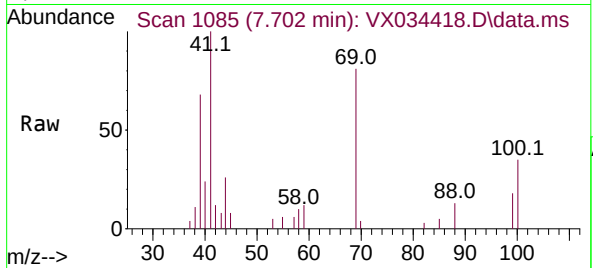
VSTDICC001

Tgt Ion: 41 Resp: 4458  
Ion Ratio Lower Upper  
41 100  
69 75.2 62.2 93.4  
39 62.4 47.7 71.5

Manual Integrations

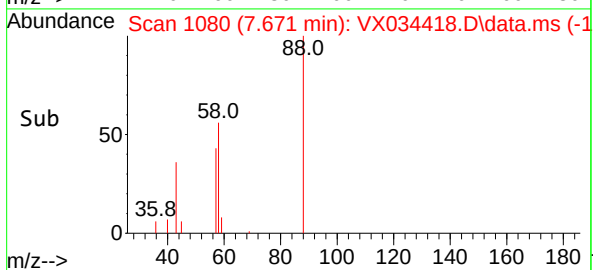
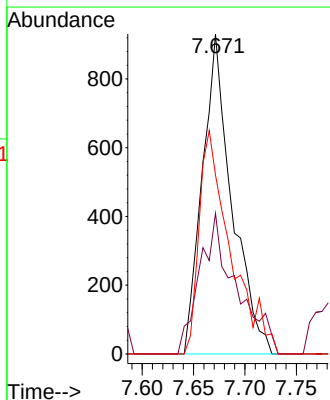
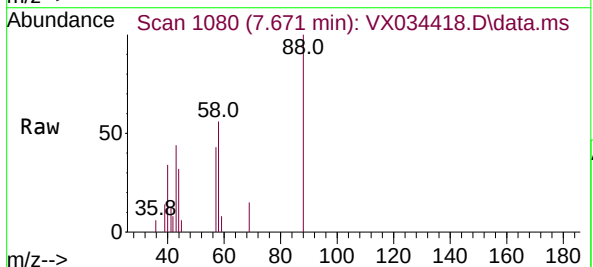
APPROVED

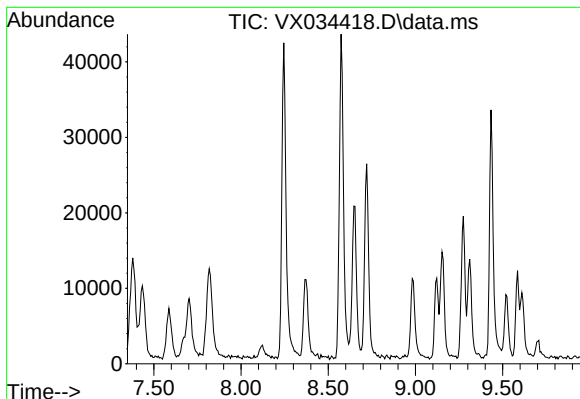
Reviewed By :John Carlone 03/13/2023  
Supervised By :Mahesh Dadoda 03/13/2023



#49  
1,4-Dioxane  
Concen: 18.821 ug/l  
RT: 7.671 min Scan# 1080  
Delta R.T. 0.018 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Tgt Ion: 88 Resp: 1864  
Ion Ratio Lower Upper  
88 100  
43 54.1 27.7 41.5#  
58 74.3 56.8 85.2





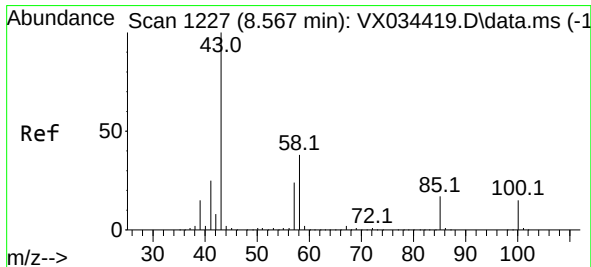
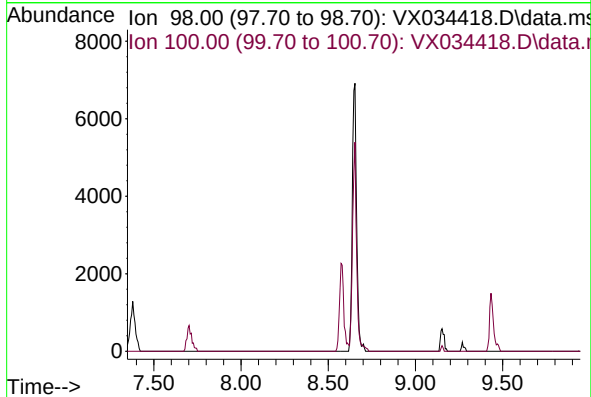
#50  
Toluene-d8  
Concen: 0.000 ug/l  
Expected RT: 8.65 min  
  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

Tgt Ion: 98  
Sig Exp Ratio  
98 100  
100 65.6

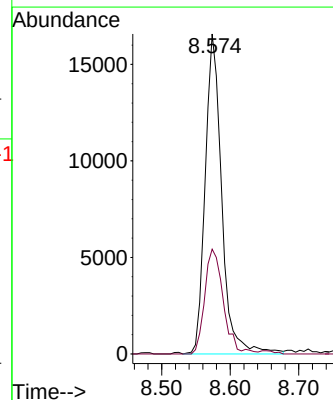
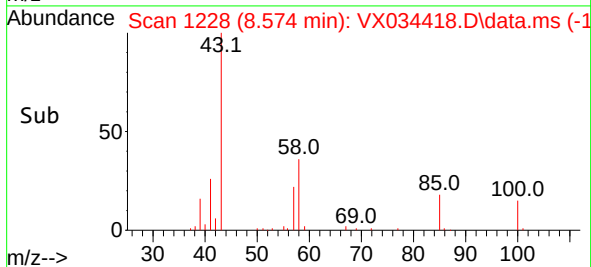
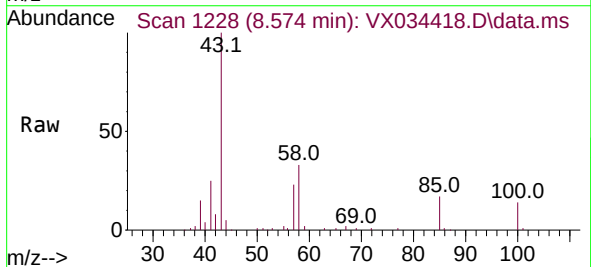
Manual Integrations  
APPROVED

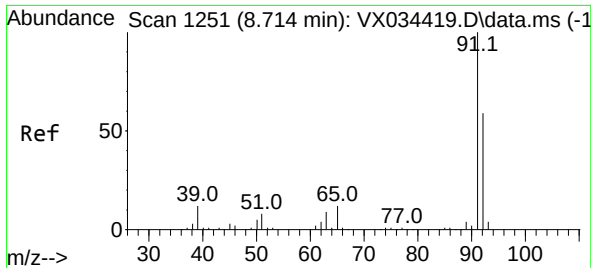
Reviewed By :John Carlone 03/13/2023  
Supervised By :Mahesh Dadoda 03/13/2023



#51  
4-Methyl-2-Pentanone  
Concen: 4.883 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. 0.006 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Tgt Ion: 43 Resp: 27910  
Ion Ratio Lower Upper  
43 100  
58 36.9 30.6 46.0





#52

Toluene

Concen: 0.988 ug/l

RT: 8.720 min Scan# 1251

Delta R.T. 0.006 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

Tgt Ion: 92 Resp: 949

Ion Ratio Lower Upper

92 100

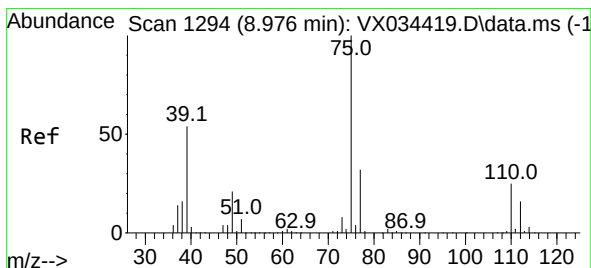
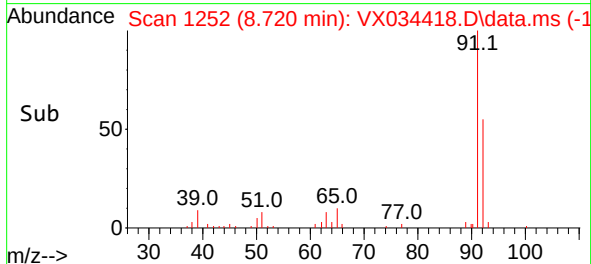
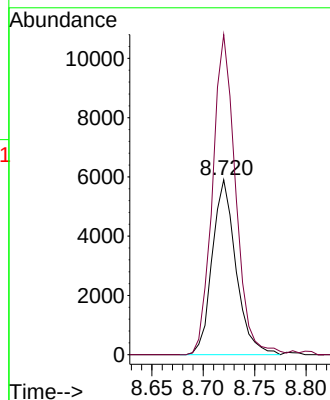
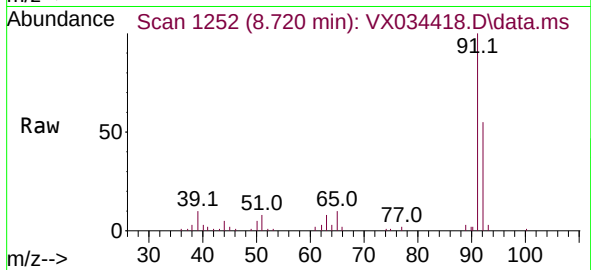
91 177.6 136.8 205.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/13/2023

Supervised By :Mahesh Dadoda 03/13/2023



#53

t-1,3-Dichloropropene

Concen: 0.861 ug/l

RT: 8.988 min Scan# 1296

Delta R.T. 0.012 min

Lab File: VX034418.D

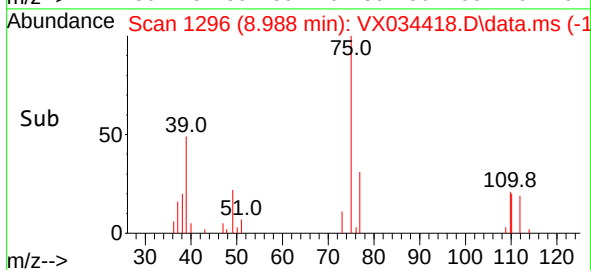
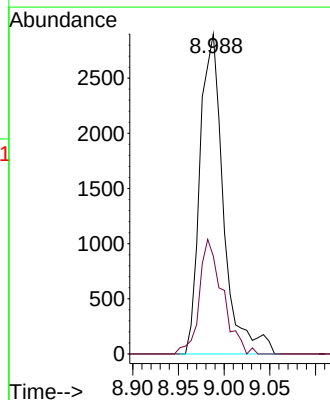
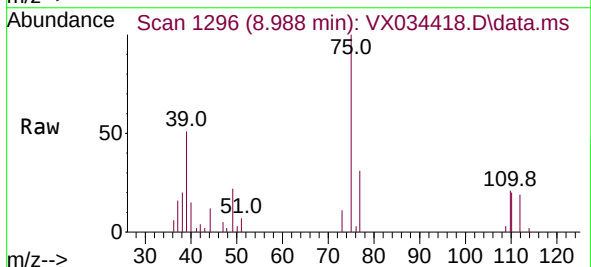
Acq: 10 Mar 2023 15:30

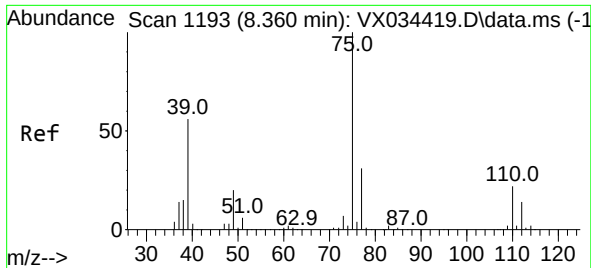
Tgt Ion: 75 Resp: 5173

Ion Ratio Lower Upper

75 100

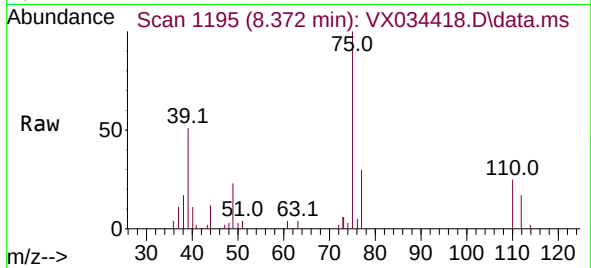
77 30.5 25.4 38.2





#54  
cis-1,3-Dichloropropene  
Concen: 0.894 ug/l  
RT: 8.372 min Scan# 1195  
Delta R.T. 0.012 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

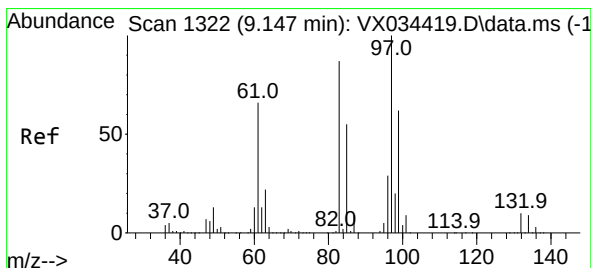
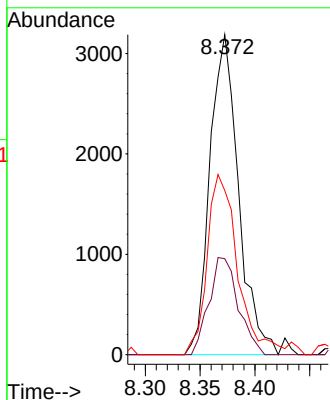
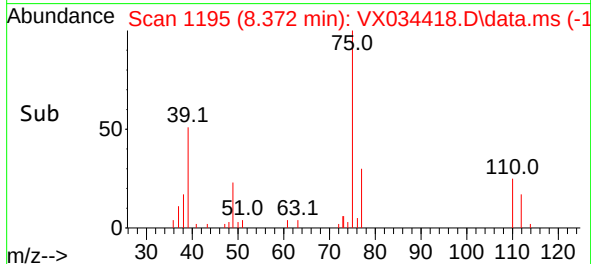
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001



Tgt Ion: 75 Resp: 5794  
Ion Ratio Lower Upper  
75 100  
77 30.0 25.0 37.4  
39 51.3 44.6 66.8

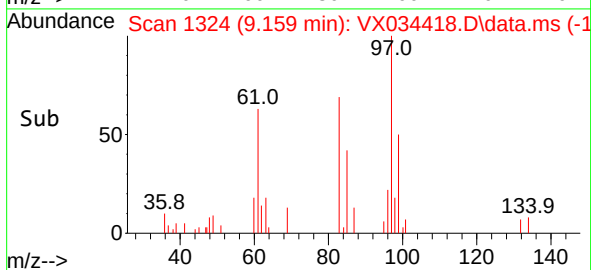
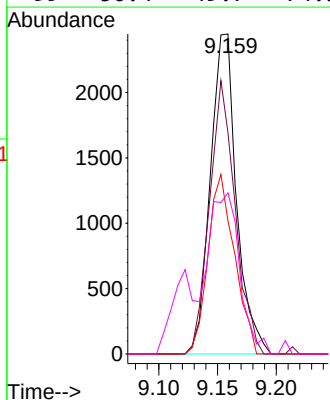
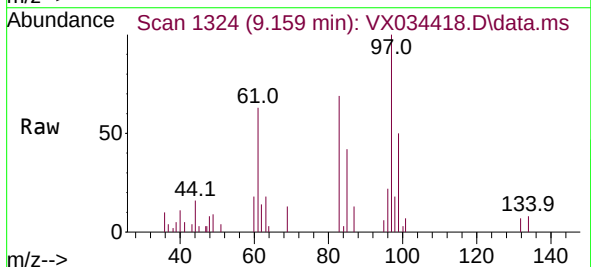
Manual Integrations  
APPROVED

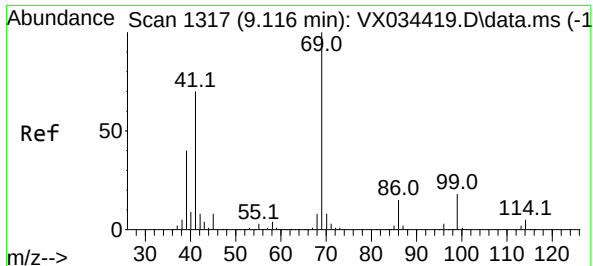
Reviewed By :John Carlone 03/13/2023  
Supervised By :Mahesh Dadoda 03/13/2023



#55  
1,1,2-Trichloroethane  
Concen: 0.986 ug/l  
RT: 9.159 min Scan# 1324  
Delta R.T. 0.012 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Tgt Ion: 97 Resp: 3804  
Ion Ratio Lower Upper  
97 100  
83 69.2 69.7 104.5#  
85 41.6 43.7 65.5#  
99 50.4 49.7 74.5





#56

Ethyl methacrylate

Concen: 0.915 ug/l

RT: 9.122 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

Tgt Ion: 69 Resp: 5690

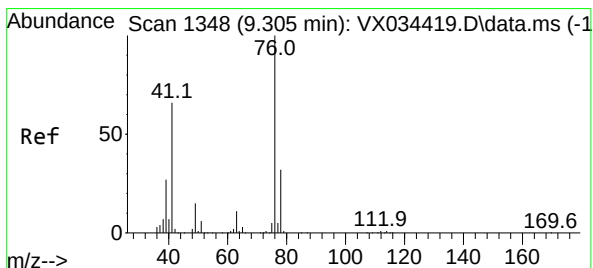
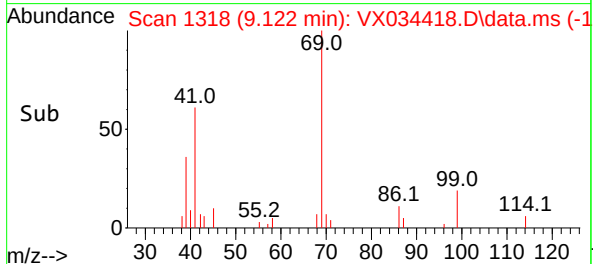
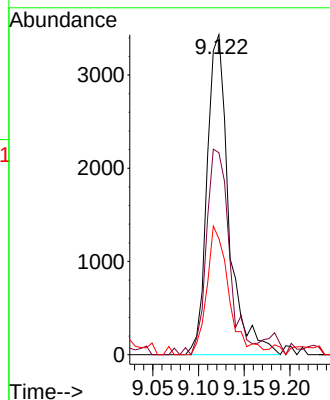
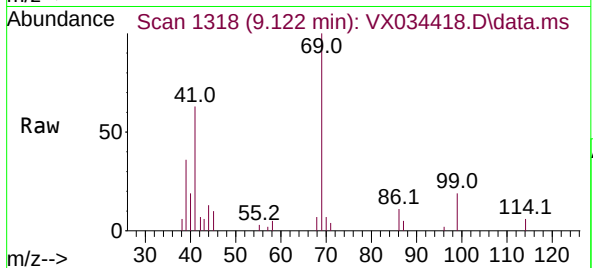
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 67.1  | 57.4  | 86.0  |
| 39  | 40.4  | 33.7  | 50.5  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/13/2023

Supervised By :Mahesh Dadoda 03/13/2023



#57

1,3-Dichloropropane

Concen: 0.967 ug/l

RT: 9.311 min Scan# 1349

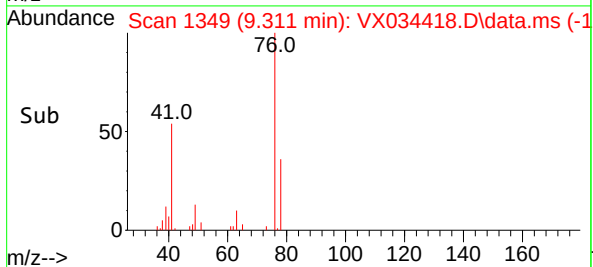
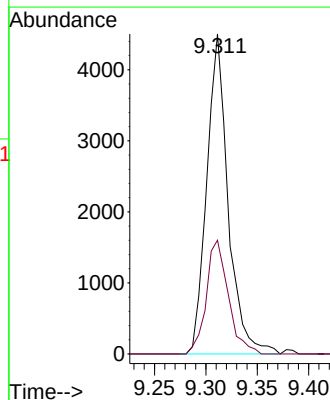
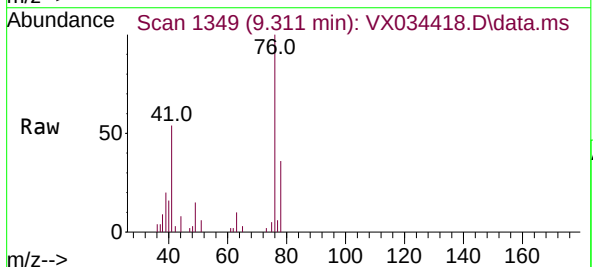
Delta R.T. 0.006 min

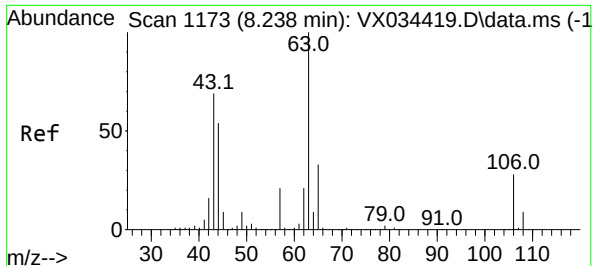
Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

Tgt Ion: 76 Resp: 6515

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 78  | 36.7  | 25.8  | 38.8  |





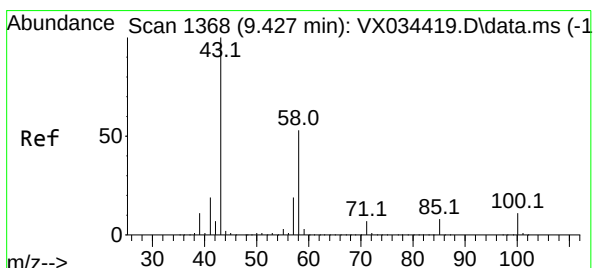
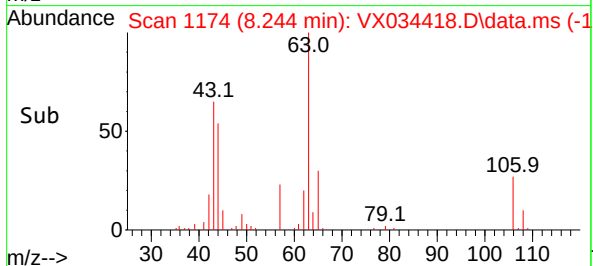
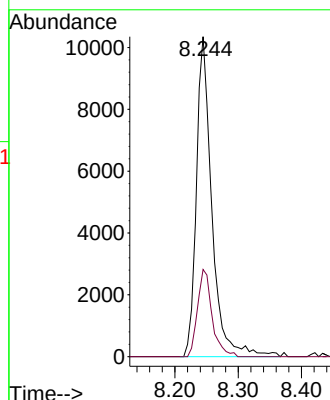
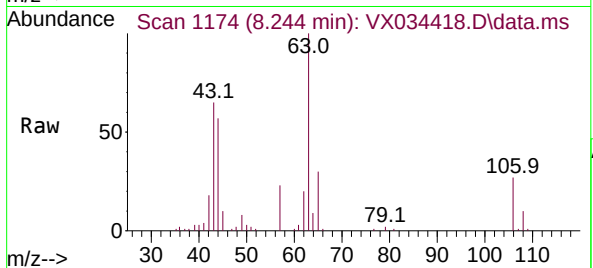
#58  
2-Chloroethyl Vinyl ether  
Concen: 5.569 ug/l  
RT: 8.244 min Scan# 1174  
Delta R.T. 0.006 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

Tgt Ion: 63 Resp: 1761  
Ion Ratio Lower Upper  
63 100  
106 25.6 22.2 33.2

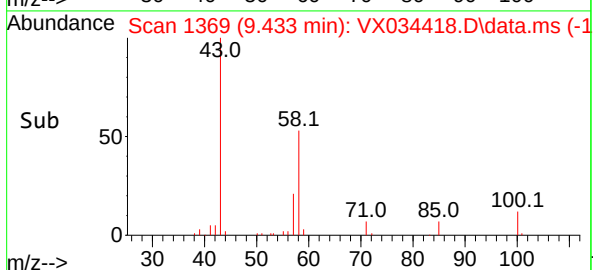
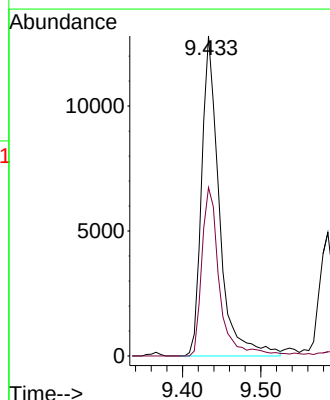
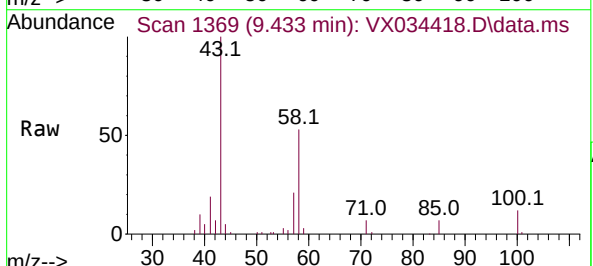
Manual Integrations  
APPROVED

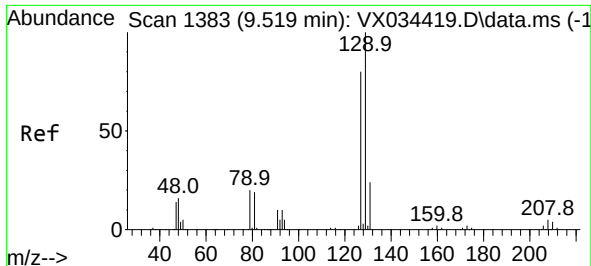
Reviewed By :John Carlone 03/13/2023  
Supervised By :Mahesh Dadoda 03/13/2023



#59  
2-Hexanone  
Concen: 4.597 ug/l  
RT: 9.433 min Scan# 1369  
Delta R.T. 0.006 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Tgt Ion: 43 Resp: 20085  
Ion Ratio Lower Upper  
43 100  
58 52.6 26.3 78.9





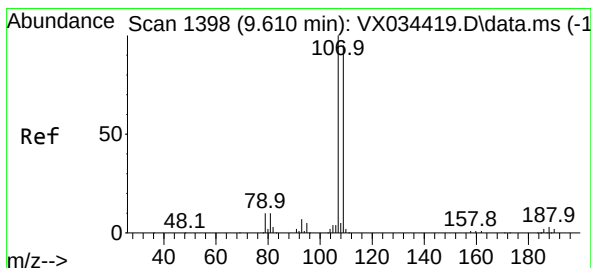
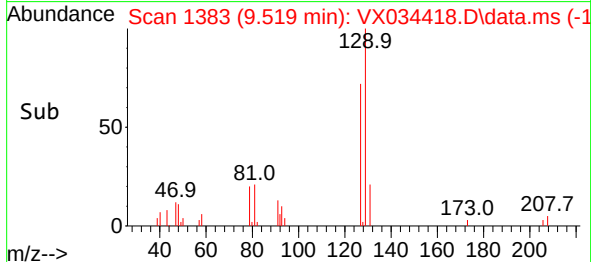
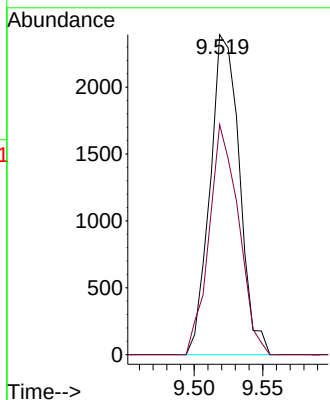
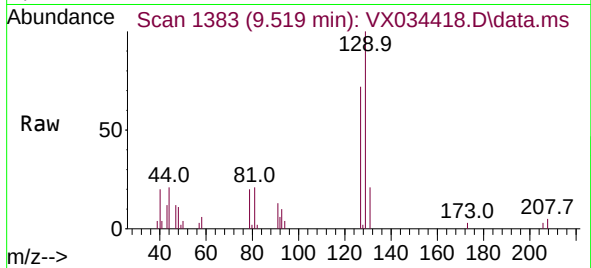
#60  
Dibromochloromethane  
Concen: 0.888 ug/l  
RT: 9.519 min Scan# 1383  
Delta R.T. 0.000 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

Tgt Ion:129 Resp: 3570  
Ion Ratio Lower Upper  
129 100  
127 72.2 39.0 117.0

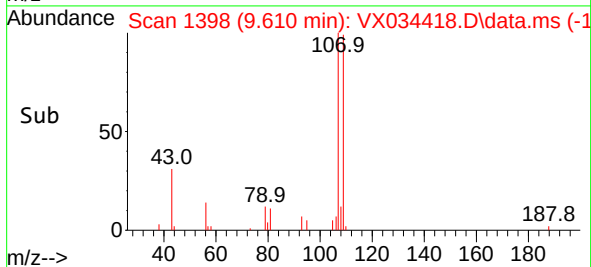
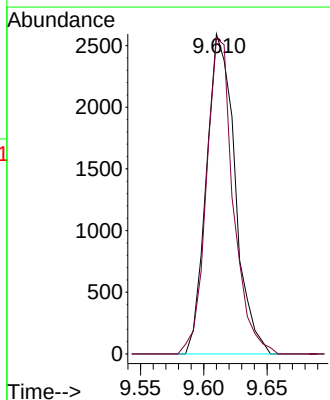
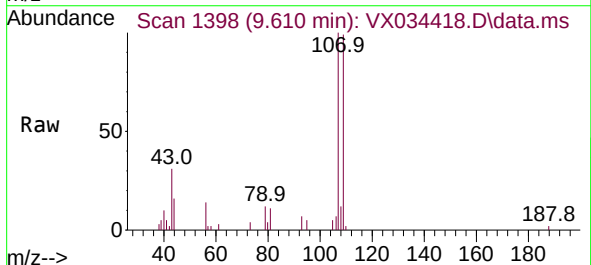
Manual Integrations  
APPROVED

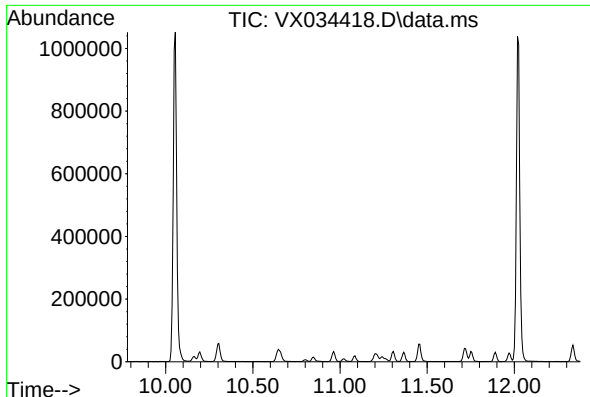
Reviewed By :John Carlone 03/13/2023  
Supervised By :Mahesh Dadoda 03/13/2023



#61  
1,2-Dibromoethane  
Concen: 0.987 ug/l  
RT: 9.610 min Scan# 1398  
Delta R.T. 0.000 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Tgt Ion:107 Resp: 4077  
Ion Ratio Lower Upper  
107 100  
109 92.9 75.3 112.9





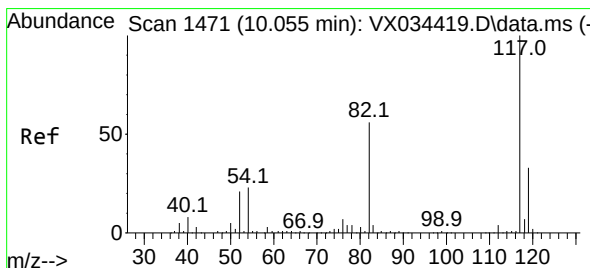
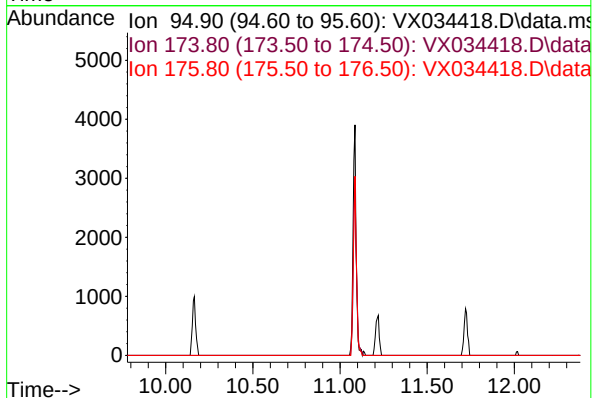
#62  
 4-Bromofluorobenzene  
 Concen: 0.000 ug/l  
 Expected RT: 11.08 min  
 Lab File: VX034418.D  
 Acq: 10 Mar 2023 15:30

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC001

Tgt Ion: 95  
 Sig Exp Ratio  
 95 100  
 174 73.7  
 176 70.3

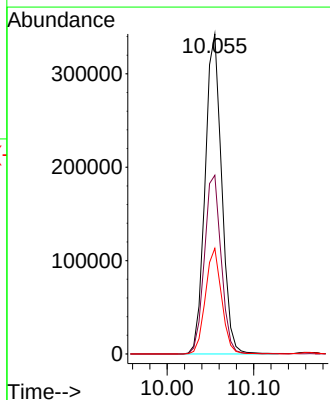
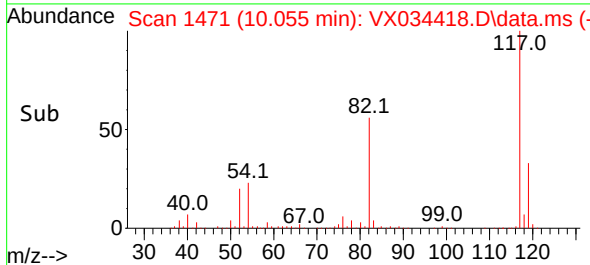
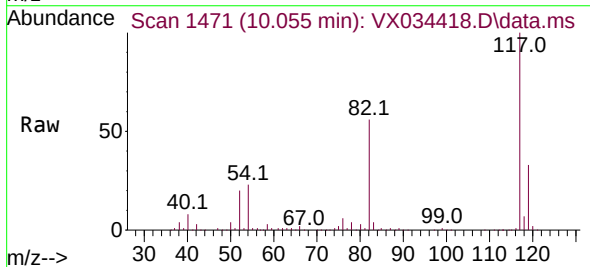
Manual Integrations  
**APPROVED**

Reviewed By : John Carlone 03/13/2023  
 Supervised By : Mahesh Dadoda 03/13/2023

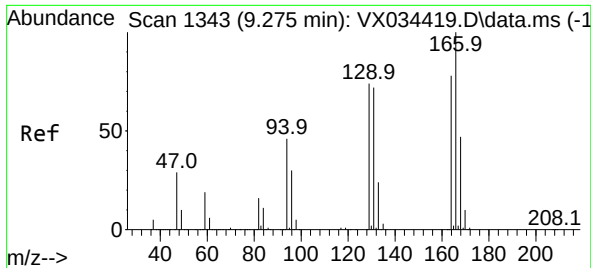


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 10.055 min Scan# 1471  
 Delta R.T. 0.000 min  
 Lab File: VX034418.D  
 Acq: 10 Mar 2023 15:30

Tgt Ion: 117 Resp: 455453  
 Ion Ratio Lower Upper  
 117 100  
 82 55.8 45.0 67.4  
 119 33.0 26.0 39.0

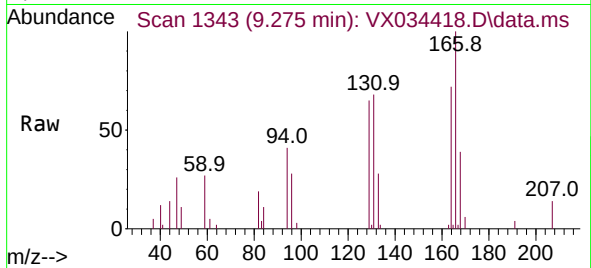






#64  
Tetrachloroethene  
Concen: 1.154 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. 0.000 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

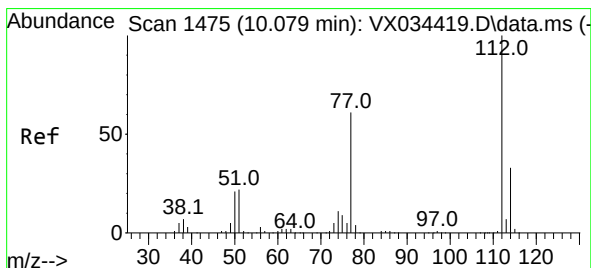
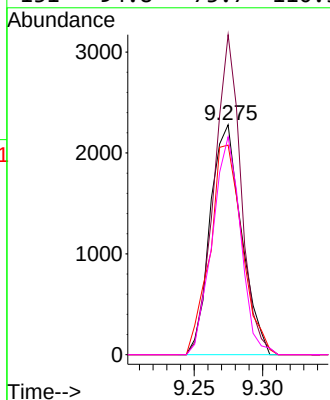
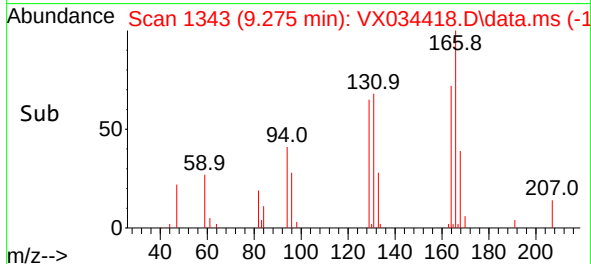
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001



Tgt Ion:164 Resp: 361  
Ion Ratio Lower Upper  
164 100  
166 139.2 102.7 154.1  
129 91.1 75.6 113.4  
131 94.8 73.7 110.5

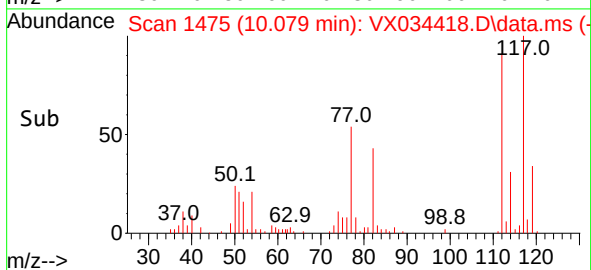
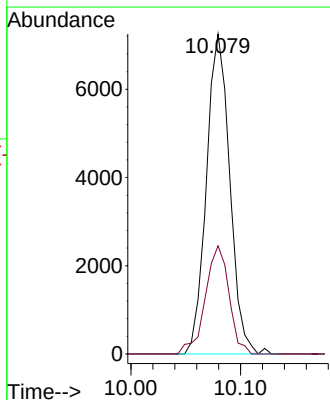
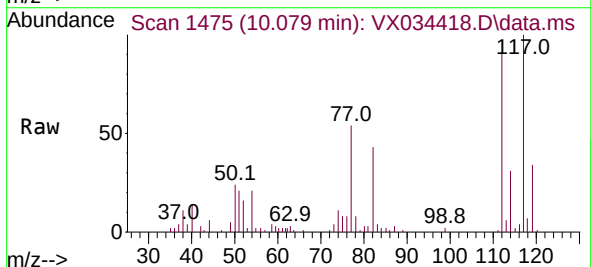
Manual Integrations  
APPROVED

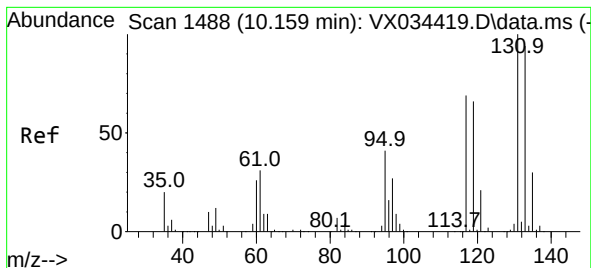
Reviewed By :John Carlone 03/13/2023  
Supervised By :Mahesh Dadoda 03/13/2023



#65  
Chlorobenzene  
Concen: 1.072 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Tgt Ion:112 Resp: 10742  
Ion Ratio Lower Upper  
112 100  
114 33.8 26.2 39.2





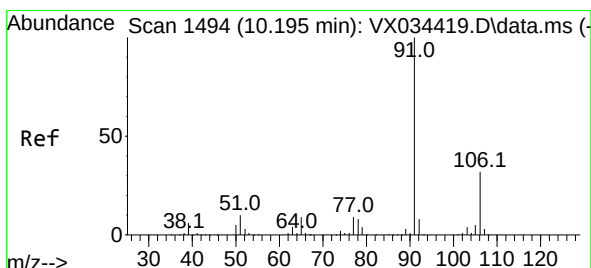
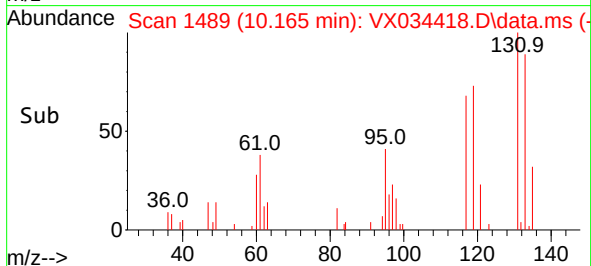
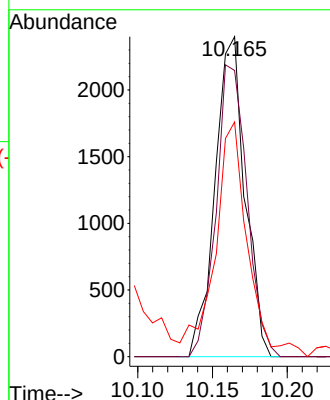
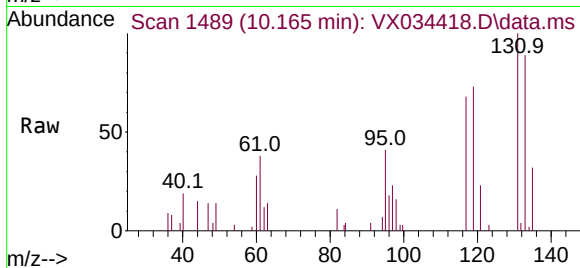
#66  
1,1,1,2-Tetrachloroethane  
Concen: 0.925 ug/l  
RT: 10.165 min Scan# 1488  
Delta R.T. 0.006 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

Tgt Ion:131 Resp: 334  
Ion Ratio Lower Upper  
131 100  
133 93.9 47.1 141.4  
119 0.0 32.6 98.0

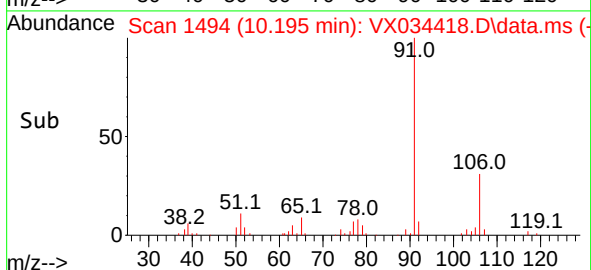
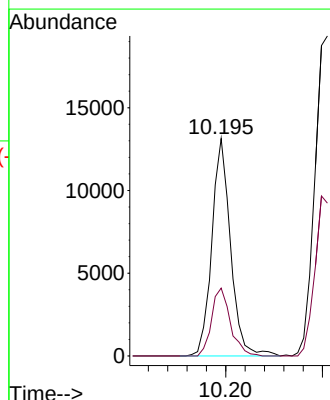
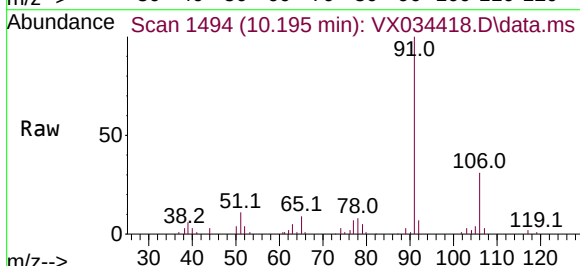
Manual Integrations  
APPROVED

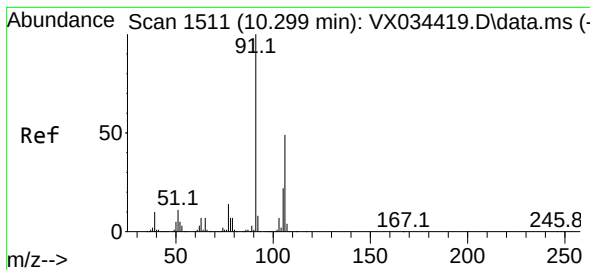
Reviewed By :John Carlone 03/13/2023  
Supervised By :Mahesh Dadoda 03/13/2023



#67  
Ethyl Benzene  
Concen: 0.994 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

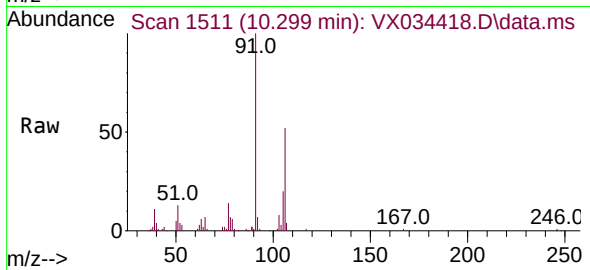
Tgt Ion: 91 Resp: 17646  
Ion Ratio Lower Upper  
91 100  
106 31.2 25.6 38.4





#68  
m/p-Xylenes  
Concen: 2.016 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

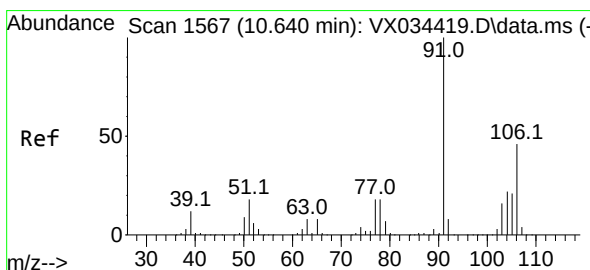
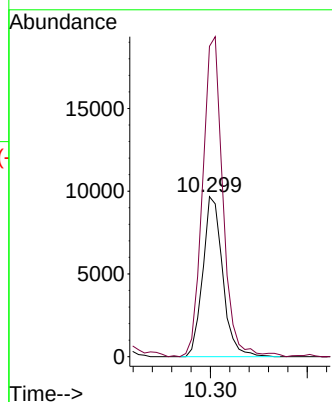
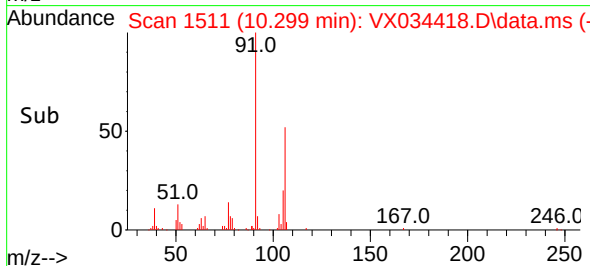
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001



Tgt Ion:106 Resp: 13840  
Ion Ratio Lower Upper  
106 100  
91 203.5 164.0 246.0

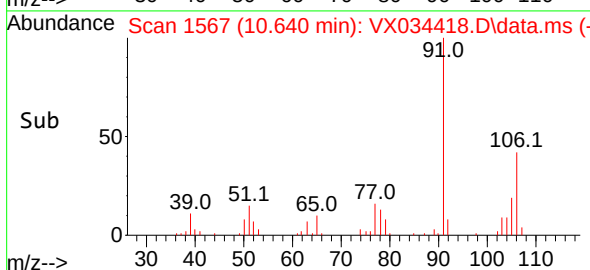
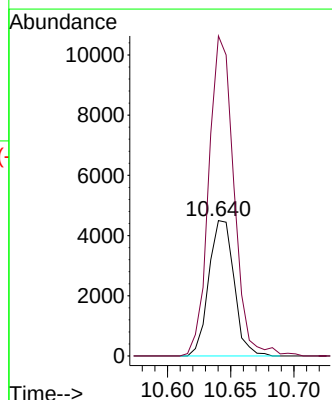
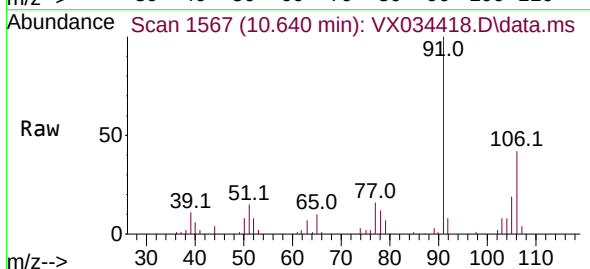
Manual Integrations  
APPROVED

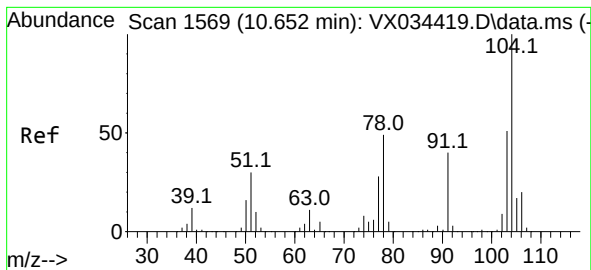
Reviewed By :John Carlone 03/13/2023  
Supervised By :Mahesh Dadoda 03/13/2023



#69  
o-Xylene  
Concen: 0.927 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Tgt Ion:106 Resp: 6247  
Ion Ratio Lower Upper  
106 100  
91 235.9 108.5 325.3





#70

Styrene

Concen: 0.947 ug/l

RT: 10.659 min Scan# 1569

Delta R.T. 0.006 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

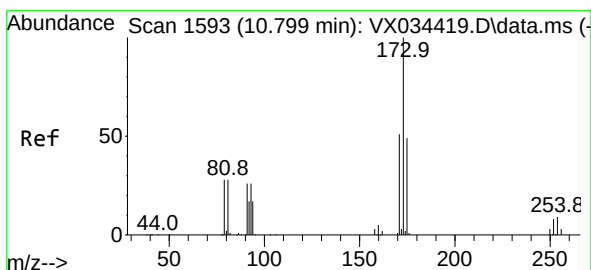
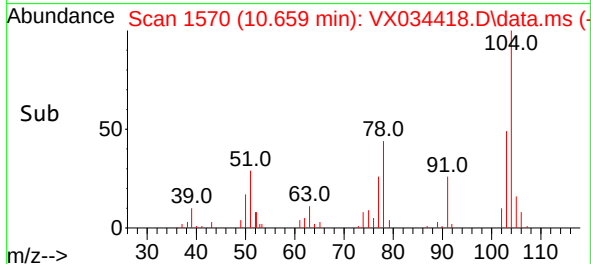
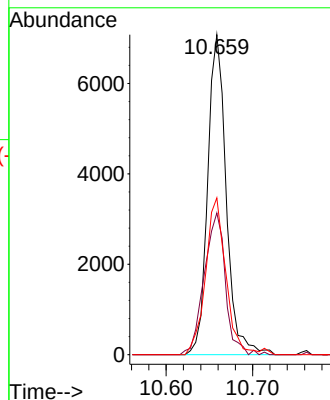
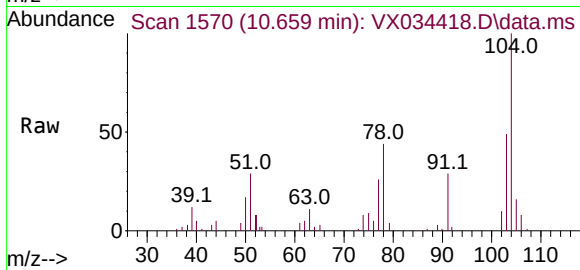
Tgt Ion:104 Resp: 10548  
 Ion Ratio Lower Upper  
 104 100  
 78 50.6 43.4 65.2  
 103 53.5 44.2 66.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/13/2023

Supervised By :Mahesh Dadoda 03/13/2023



#71

Bromoform

Concen: 0.803 ug/l

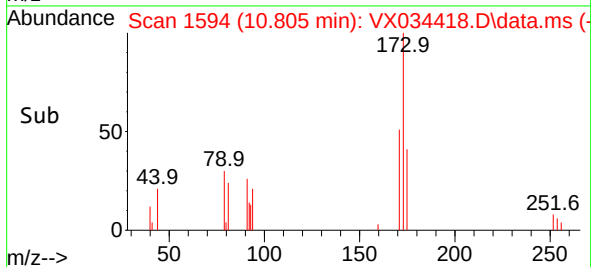
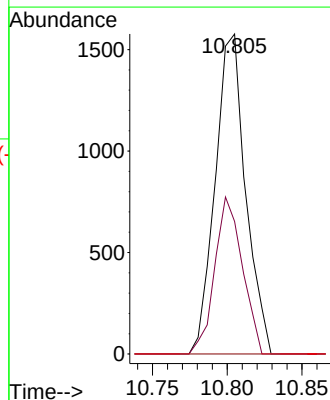
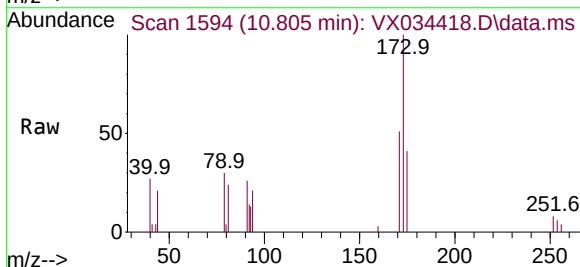
RT: 10.805 min Scan# 1594

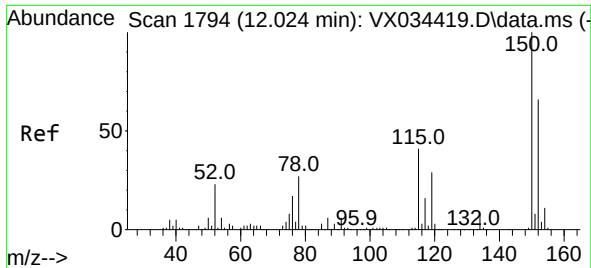
Delta R.T. 0.006 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

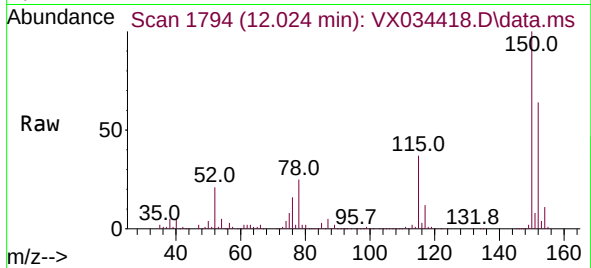
Tgt Ion:173 Resp: 2230  
 Ion Ratio Lower Upper  
 173 100  
 175 44.5 24.1 72.4  
 254 0.0 0.1 0.1#





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

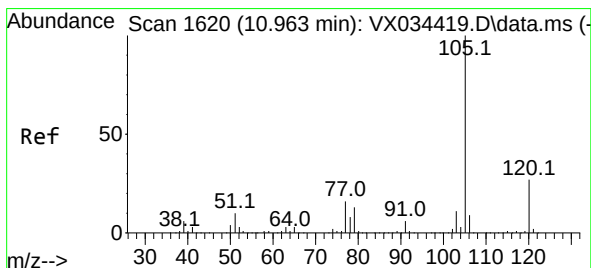
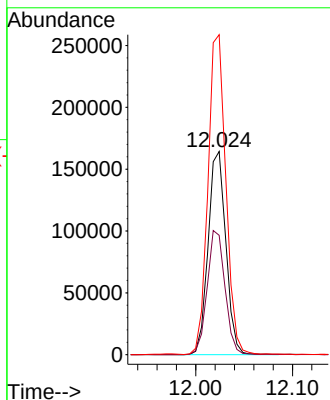
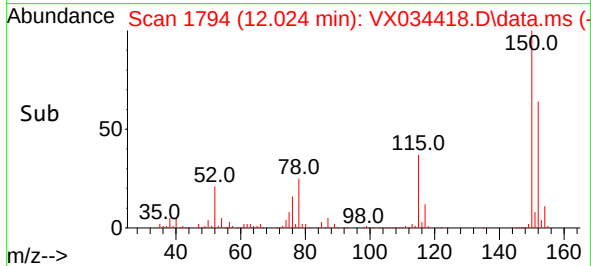
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001



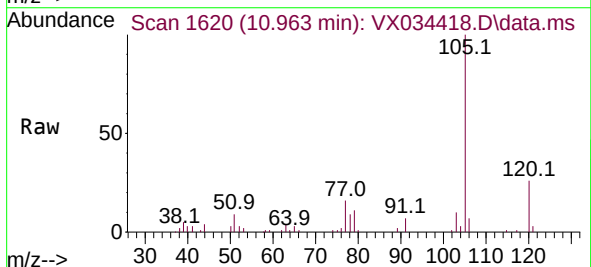
Tgt Ion:152 Resp: 21003  
Ion Ratio Lower Upper  
152 100  
115 61.2 45.0 135.0  
150 158.9 0.0 352.4

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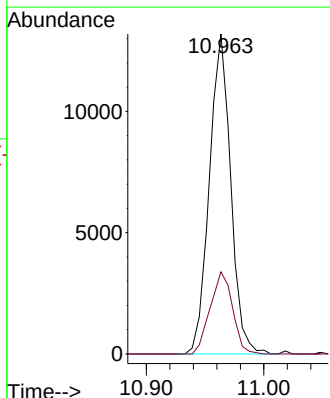
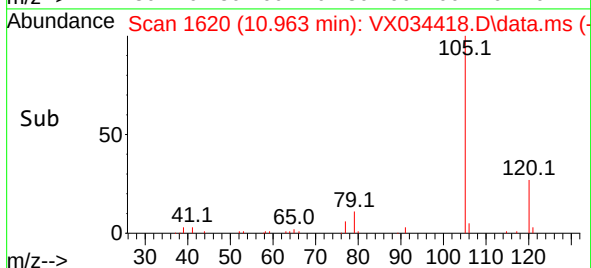
Reviewed By :John Carlone 03/13/2023  
Supervised By :Mahesh Dadoda 03/13/2023

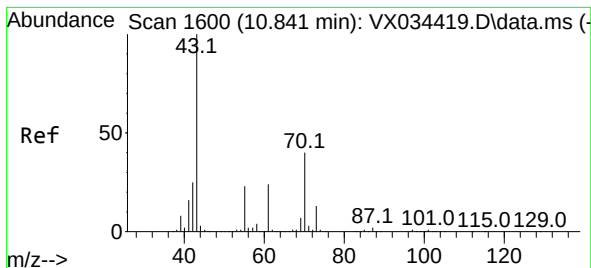


#73  
Isopropylbenzene  
Concen: 1.035 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30



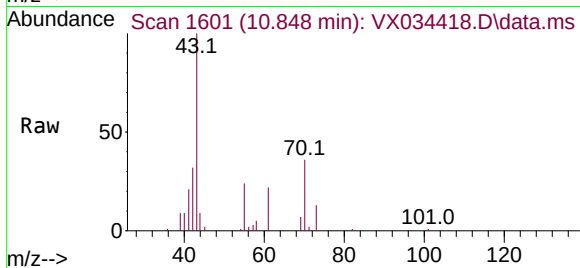
Tgt Ion:105 Resp: 16662  
Ion Ratio Lower Upper  
105 100  
120 26.9 13.3 39.9





#74  
N-amy1 acetate  
Concen: 0.950 ug/l  
RT: 10.848 min Scan# 1601  
Delta R.T. 0.006 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

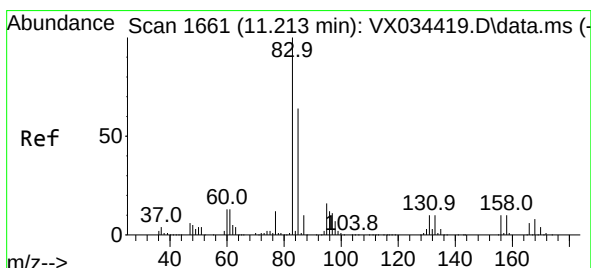
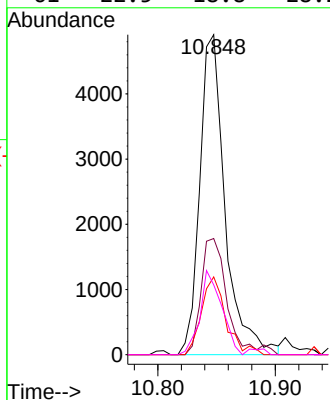
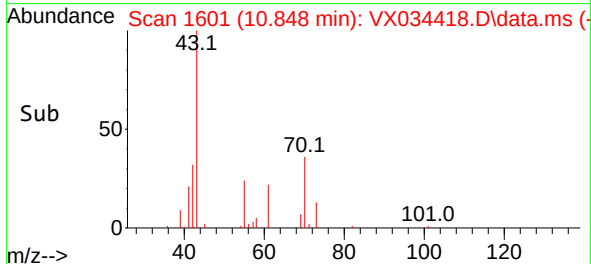
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001



Tgt Ion: 43 Resp: 7352  
Ion Ratio Lower Upper  
43 100  
70 37.4 32.1 48.1  
55 23.5 18.3 27.5  
61 22.5 18.8 28.2

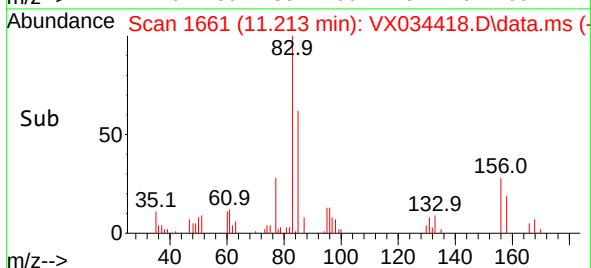
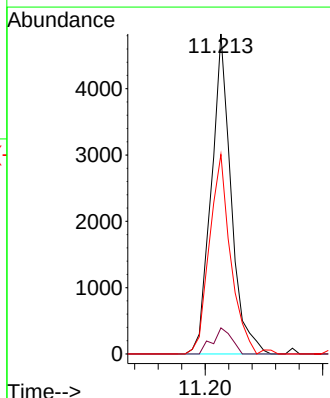
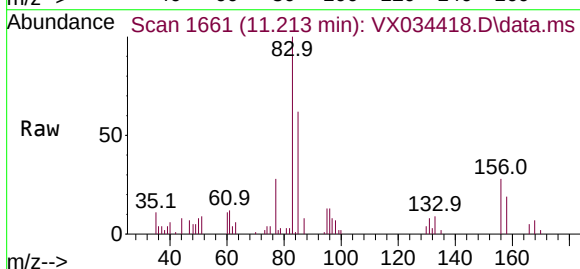
Manual Integrations  
APPROVED

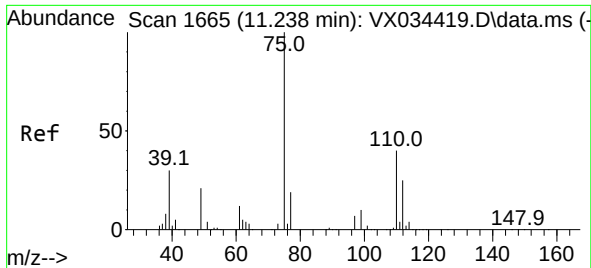
Reviewed By :John Carlone 03/13/2023  
Supervised By :Mahesh Dadoda 03/13/2023



#75  
1,1,2,2-Tetrachloroethane  
Concen: 1.044 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. 0.000 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Tgt Ion: 83 Resp: 5654  
Ion Ratio Lower Upper  
83 100  
131 7.8 4.8 14.3  
85 66.9 32.0 96.0





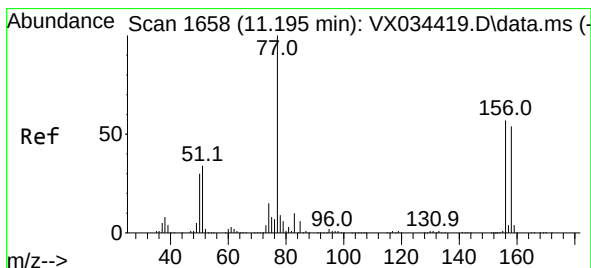
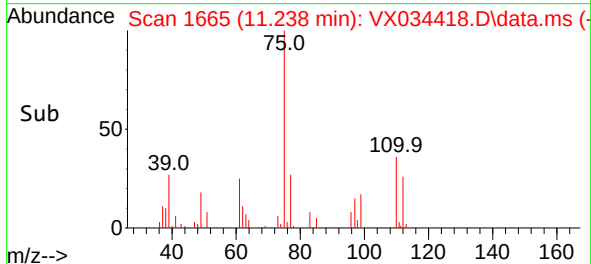
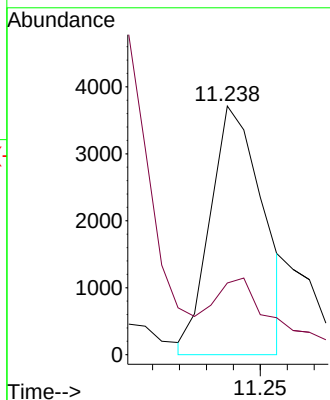
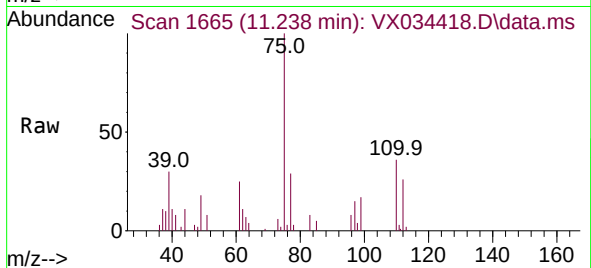
#76  
1,2,3-Trichloropropane  
Concen: 1.030 ug/l m  
RT: 11.238 min Scan# 1665  
Delta R.T. 0.000 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

Tgt Ion: 75 Resp: 500  
Ion Ratio Lower Upper  
75 100  
77 37.8 21.6 64.8

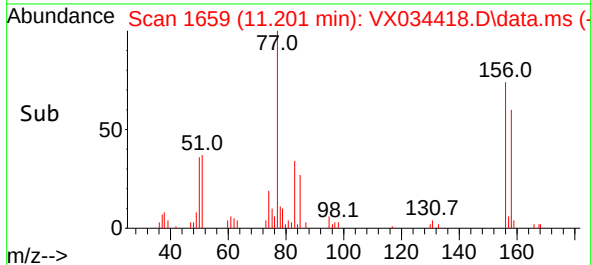
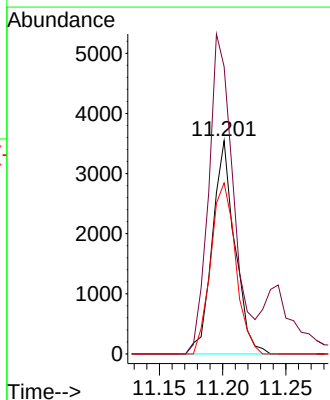
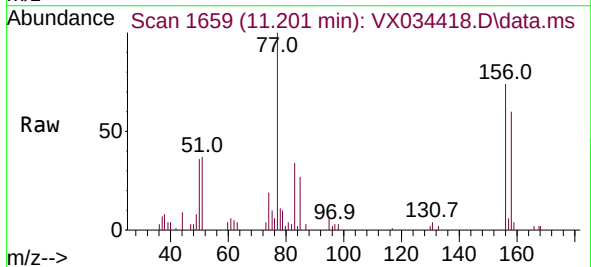
Manual Integrations  
APPROVED

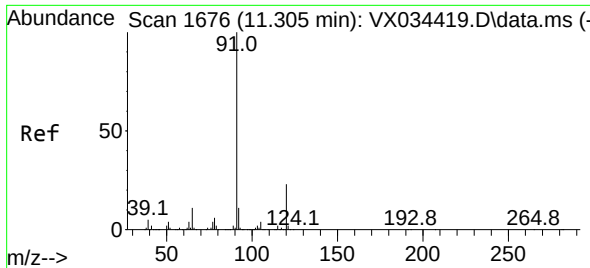
Reviewed By :John Carlone 03/13/2023  
Supervised By :Mahesh Dadoda 03/13/2023



#77  
Bromobenzene  
Concen: 1.114 ug/l  
RT: 11.201 min Scan# 1659  
Delta R.T. 0.006 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Tgt Ion:156 Resp: 4397  
Ion Ratio Lower Upper  
156 100  
77 164.2 86.7 259.9  
158 88.4 48.0 144.0





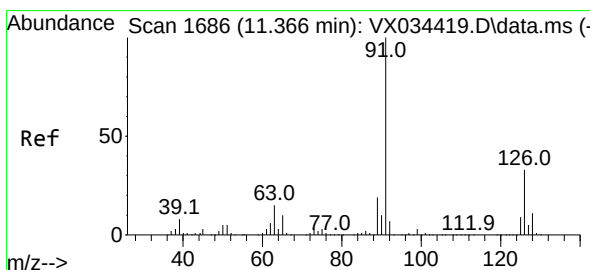
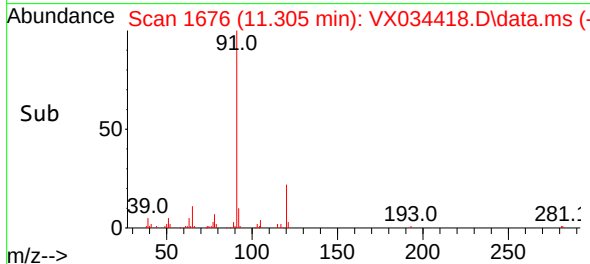
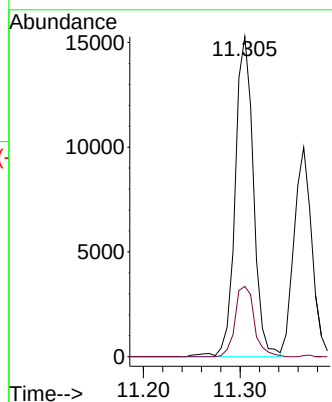
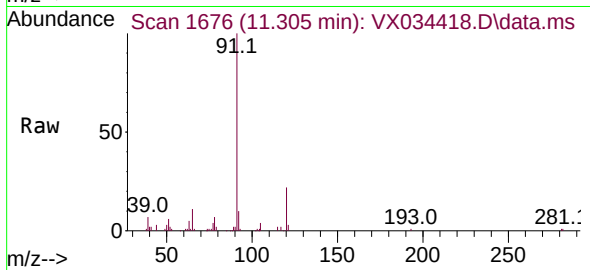
#78  
n-propylbenzene  
Concen: 1.054 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. 0.000 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

Tgt Ion: 91 Resp: 2002  
Ion Ratio Lower Upper  
91 100  
120 23.2 11.5 34.5

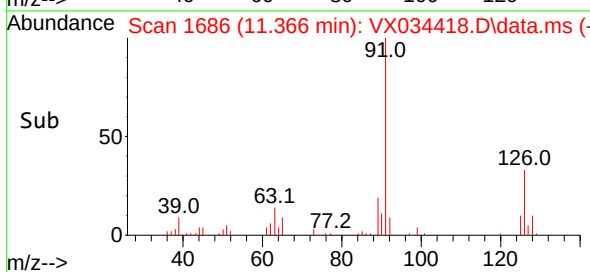
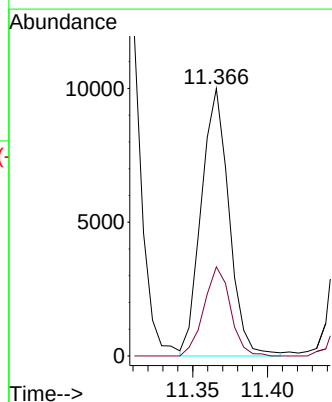
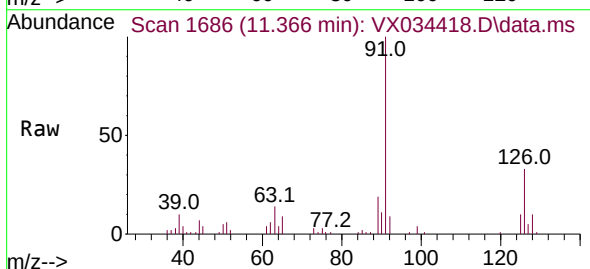
Manual Integrations  
APPROVED

Reviewed By :John Carlone 03/13/2023  
Supervised By :Mahesh Dadoda 03/13/2023

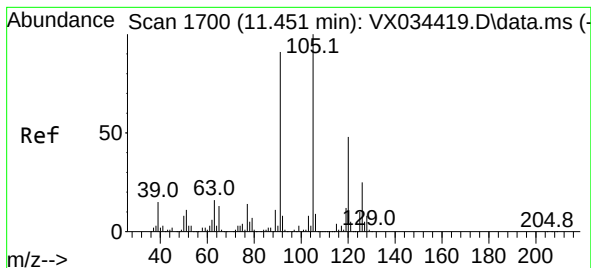


#79  
2-Chlorotoluene  
Concen: 1.101 ug/l  
RT: 11.366 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

Tgt Ion: 91 Resp: 12929  
Ion Ratio Lower Upper  
91 100  
126 31.7 16.3 48.9







#80

1,3,5-Trimethylbenzene

Concen: 1.022 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 13998

Ion Ratio Lower Upper

105 100

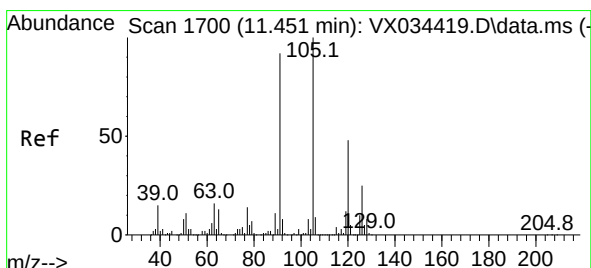
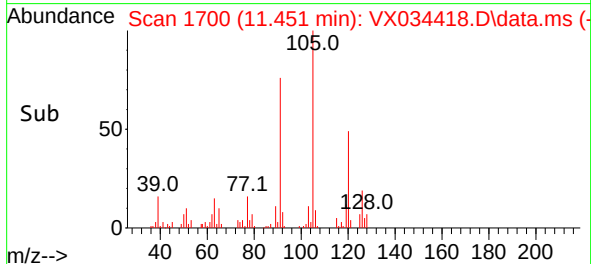
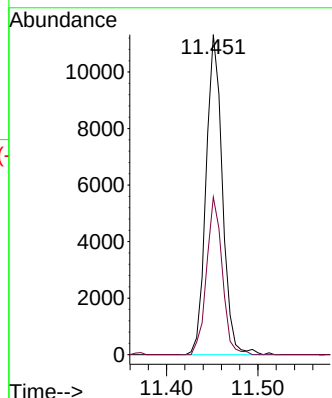
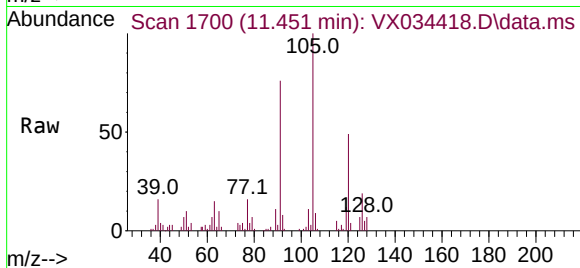
120 47.3 23.7 71.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/13/2023

Supervised By :Mahesh Dadoda 03/13/2023



#82

4-Chlorotoluene

Concen: 1.077 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX034418.D

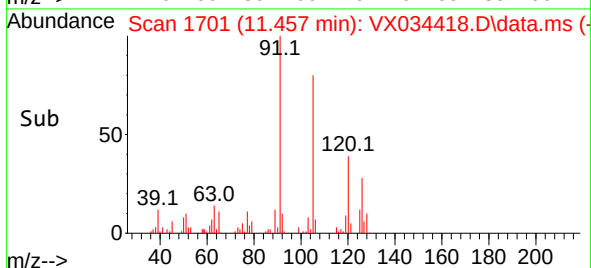
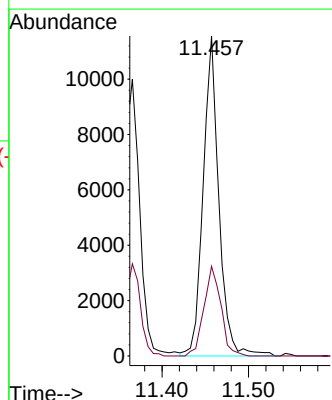
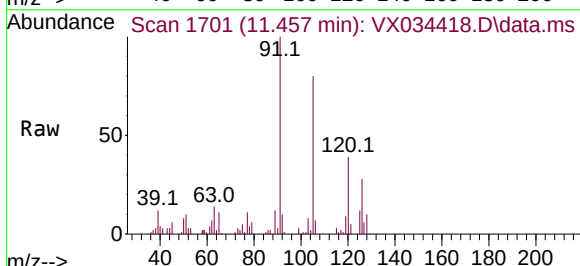
Acq: 10 Mar 2023 15:30

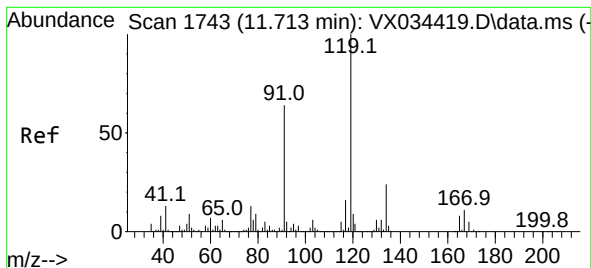
Tgt Ion: 91 Resp: 14576

Ion Ratio Lower Upper

91 100

126 30.3 14.2 42.6





#83

tert-Butylbenzene

Concen: 0.991 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

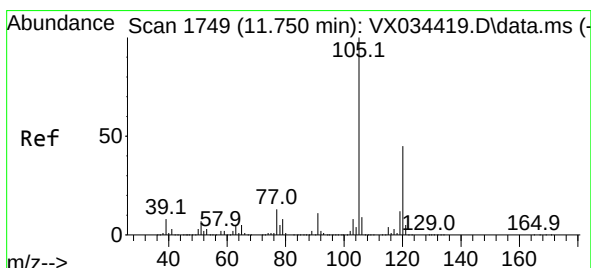
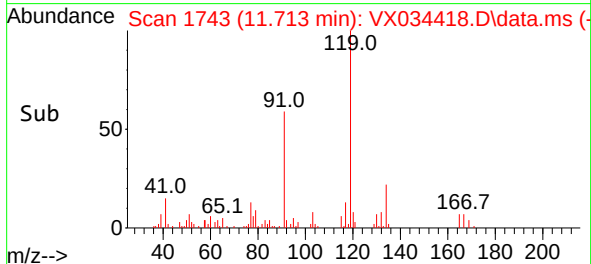
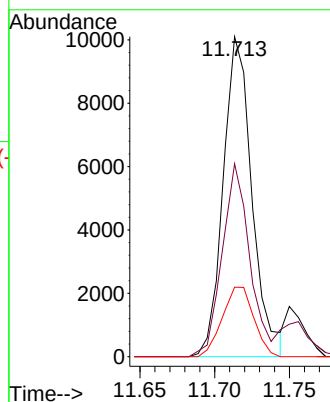
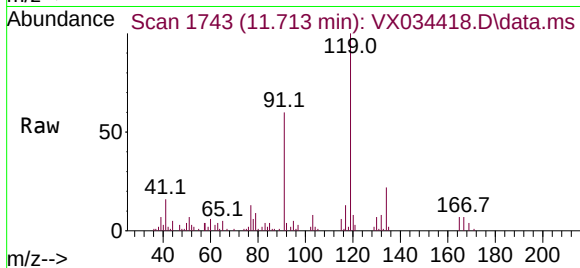
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 119   | Resp: | 13500 |
| Ion Ratio | Lower | Upper |       |
| 119       | 100   |       |       |
| 91        | 57.7  | 30.6  | 92.0  |
| 134       | 23.9  | 11.8  | 35.4  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/13/2023

Supervised By :Mahesh Dadoda 03/13/2023



#84

1,2,4-Trimethylbenzene

Concen: 1.022 ug/l

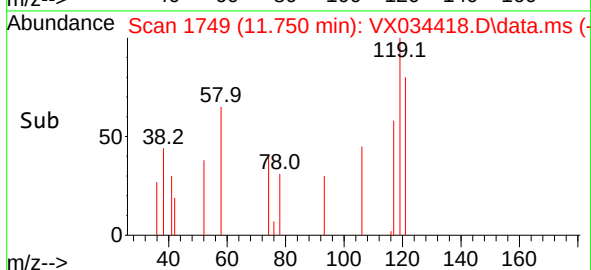
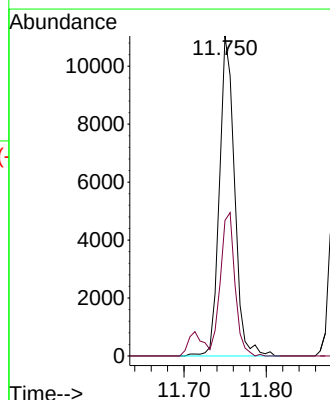
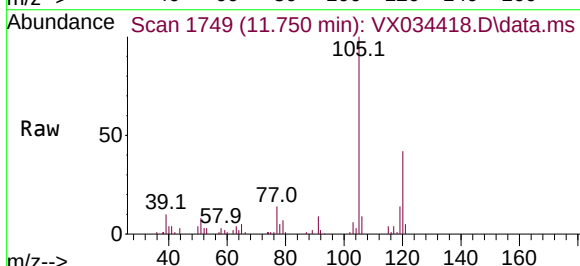
RT: 11.750 min Scan# 1749

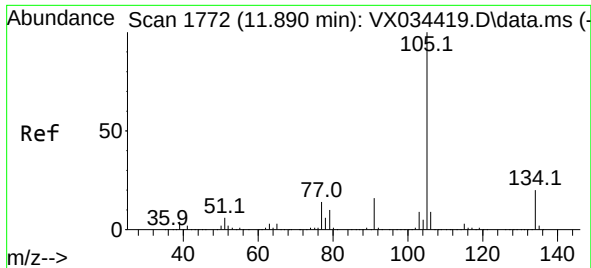
Delta R.T. 0.000 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 14148 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 43.1  | 22.4  | 67.0  |





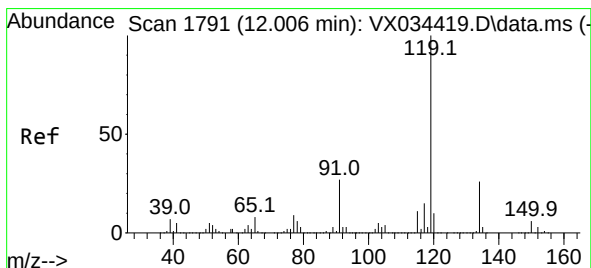
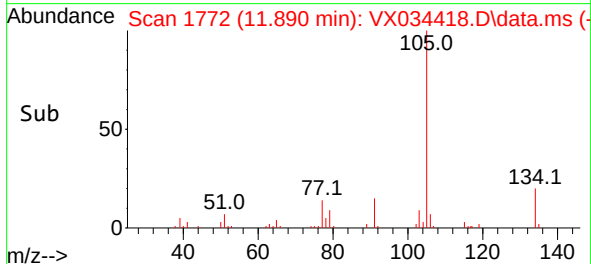
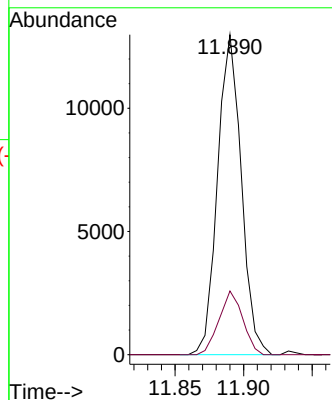
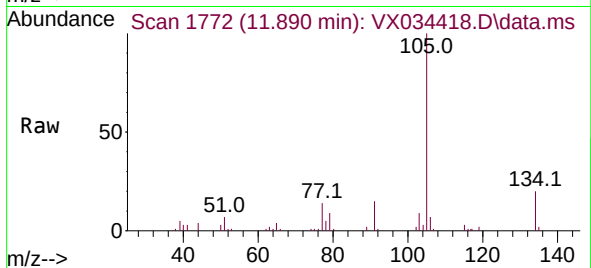
#85  
 sec-Butylbenzene  
 Concen: 0.941 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. 0.000 min  
 Lab File: VX034418.D  
 Acq: 10 Mar 2023 15:30

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC001

Tgt Ion:105 Resp: 15600  
 Ion Ratio Lower Upper  
 105 100  
 134 19.9 10.2 30.4

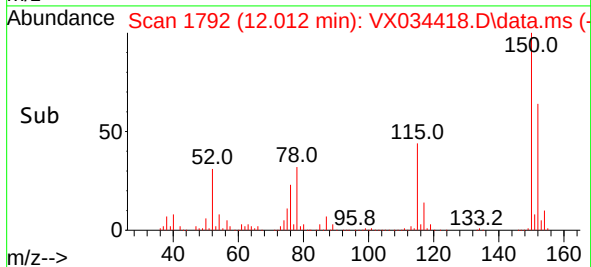
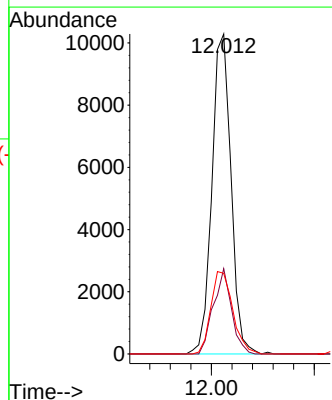
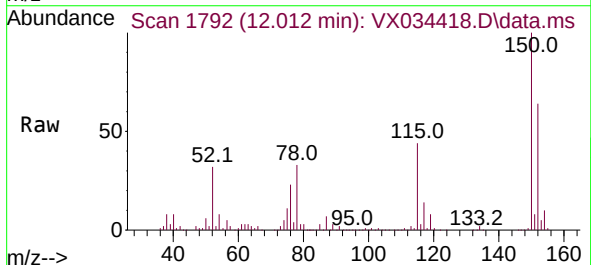
Manual Integrations  
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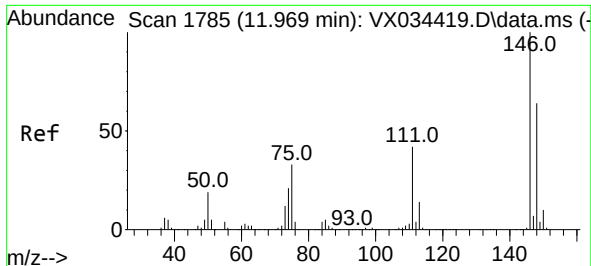
Reviewed By :John Carlone 03/13/2023  
 Supervised By :Mahesh Dadoda 03/13/2023



#86  
 p-Isopropyltoluene  
 Concen: 0.946 ug/l  
 RT: 12.012 min Scan# 1792  
 Delta R.T. 0.006 min  
 Lab File: VX034418.D  
 Acq: 10 Mar 2023 15:30

Tgt Ion:119 Resp: 13225  
 Ion Ratio Lower Upper  
 119 100  
 134 25.3 13.2 39.5  
 91 29.6 12.9 38.7





#87

1,3-Dichlorobenzene

Concen: 1.107 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion:146 Resp: 8520

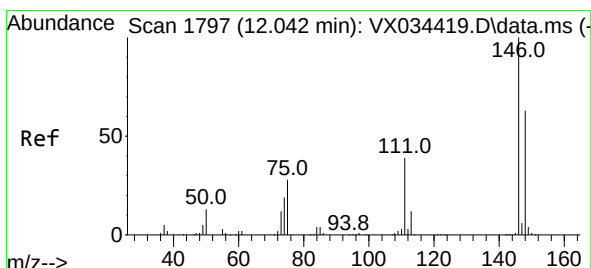
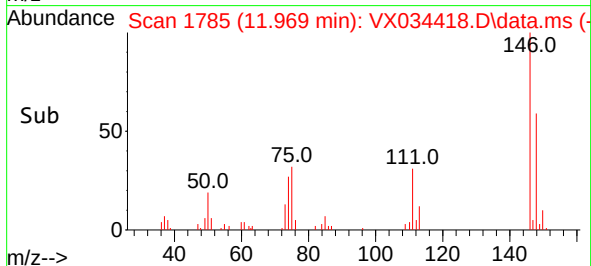
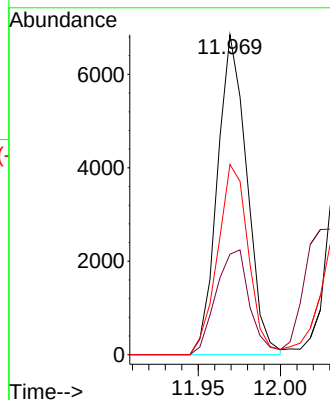
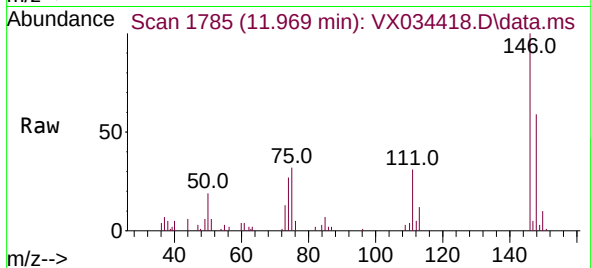
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 37.5  | 20.9  | 62.8  |
| 148 | 62.3  | 31.6  | 95.0  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/13/2023

Supervised By :Mahesh Dadoda 03/13/2023



#88

1,4-Dichlorobenzene

Concen: 1.172 ug/l m

RT: 12.042 min Scan# 1797

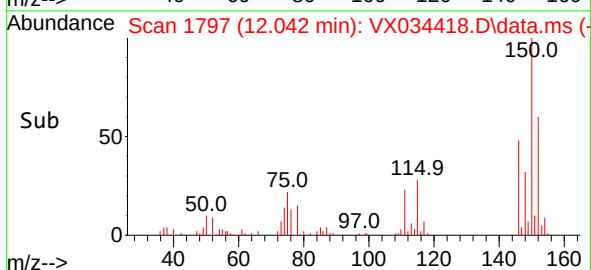
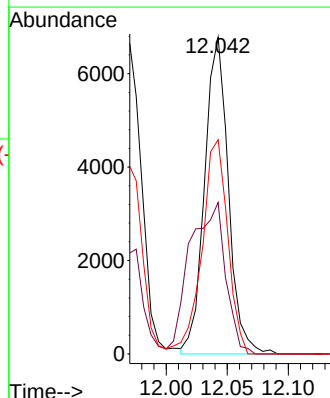
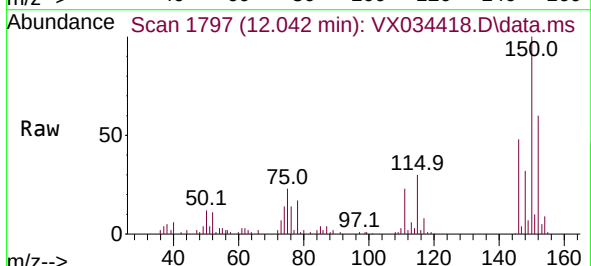
Delta R.T. 0.000 min

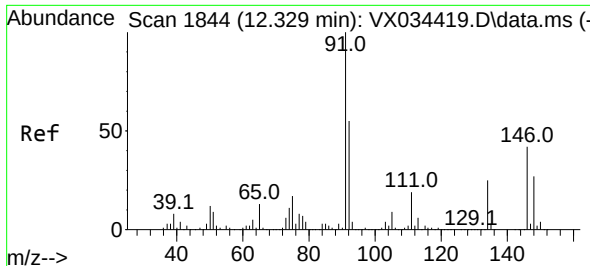
Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

Tgt Ion:146 Resp: 9198

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 34.7  | 20.6  | 61.9  |
| 148 | 57.8  | 31.8  | 95.4  |





#89

n-Butylbenzene

Concen: 0.944 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 1183

Ion Ratio Lower Upper

91 100

92 52.1 27.7 83.0

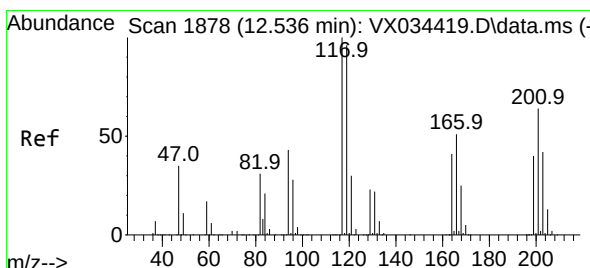
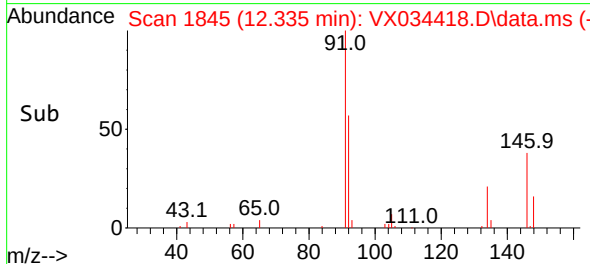
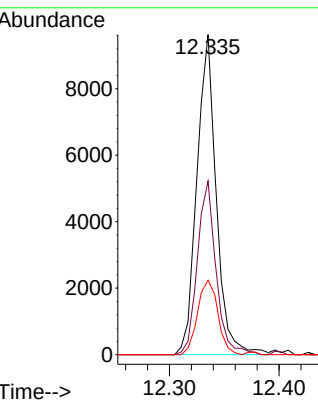
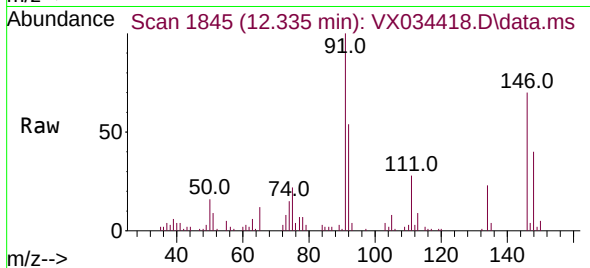
134 24.3 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/13/2023

Supervised By :Mahesh Dadoda 03/13/2023



#90

Hexachloroethane

Concen: 0.850 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX034418.D

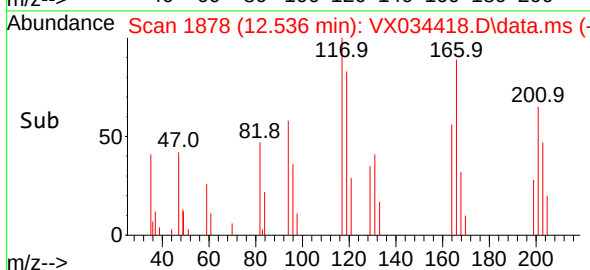
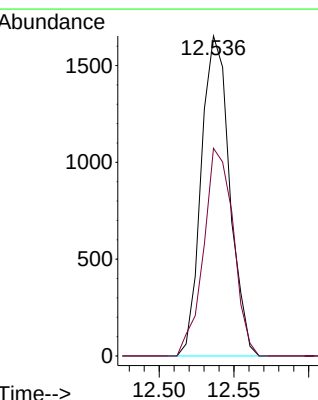
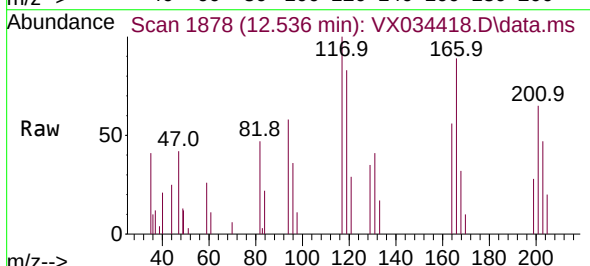
Acq: 10 Mar 2023 15:30

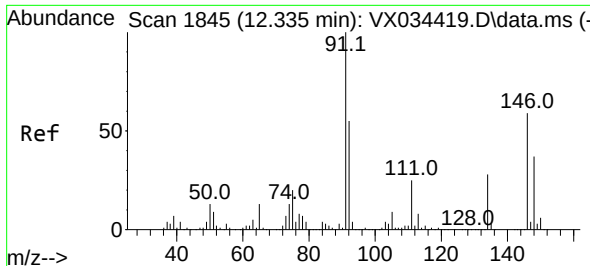
Tgt Ion:117 Resp: 2180

Ion Ratio Lower Upper

117 100

201 68.0 34.4 103.1





#91

1,2-Dichlorobenzene

Concen: 1.121 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

Tgt Ion:146 Resp: 836

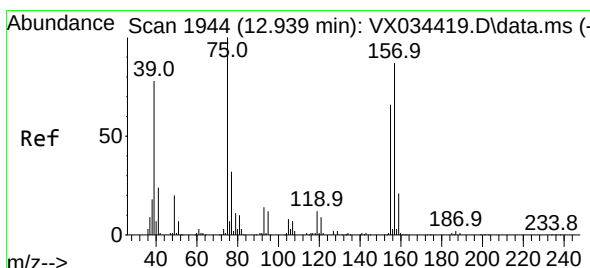
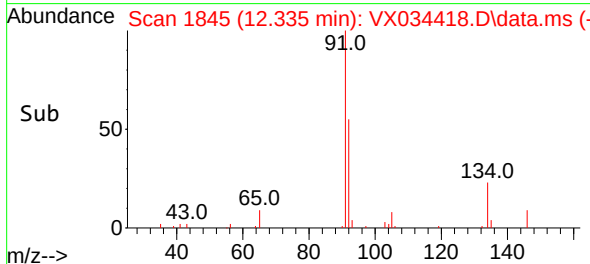
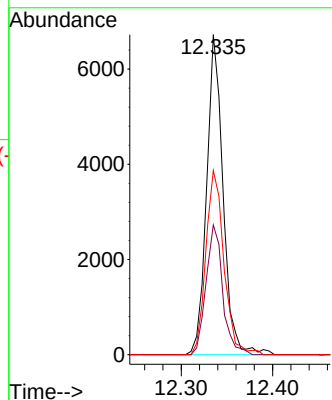
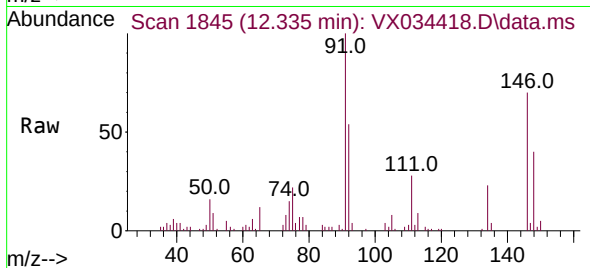
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 41.2  | 22.0  | 66.0  |
| 148 | 63.5  | 32.0  | 96.0  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/13/2023

Supervised By :Mahesh Dadoda 03/13/2023



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.917 ug/l

RT: 12.945 min Scan# 1945

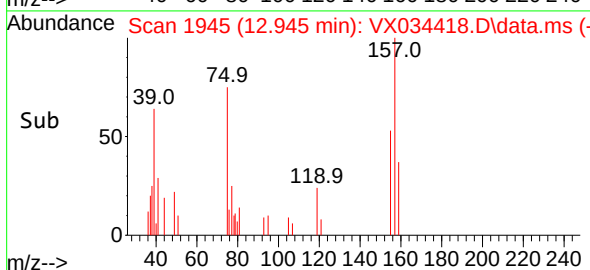
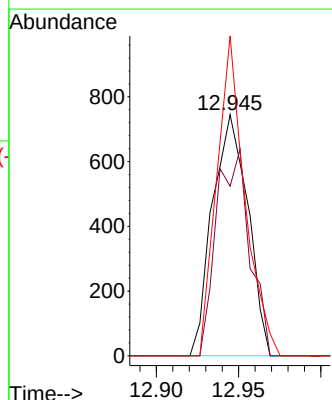
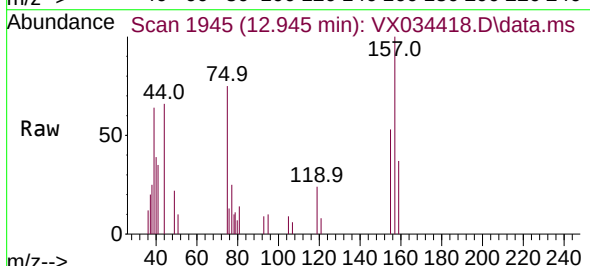
Delta R.T. 0.006 min

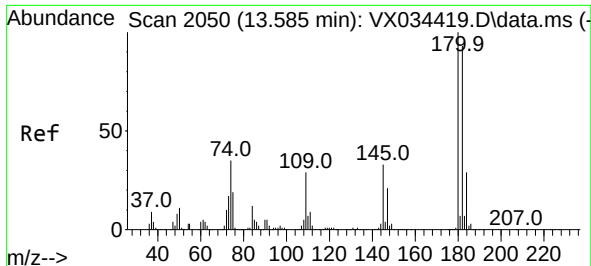
Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

Tgt Ion: 75 Resp: 1114

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 155 | 80.1  | 38.4  | 115.1 |
| 157 | 105.1 | 49.9  | 149.7 |





#93

1,2,4-Trichlorobenzene

Concen: 1.136 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

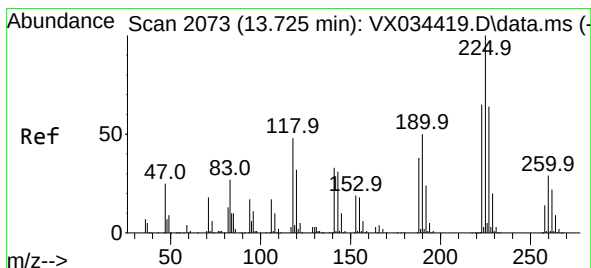
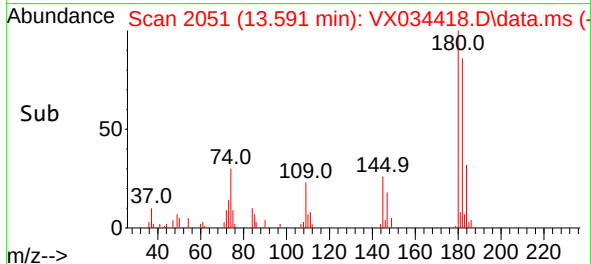
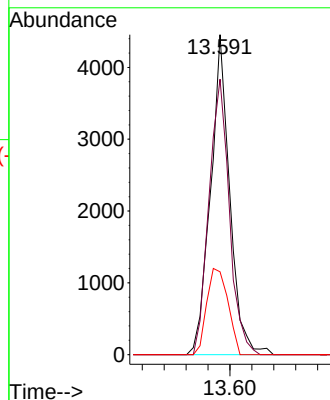
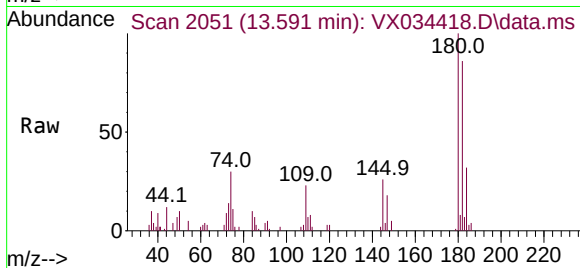
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 542   |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 91.0  | 47.0  | 141.0 |
| 145       | 29.6  | 15.9  | 47.7  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/13/2023

Supervised By :Mahesh Dadoda 03/13/2023



#94

Hexachlorobutadiene

Concen: 1.123 ug/l

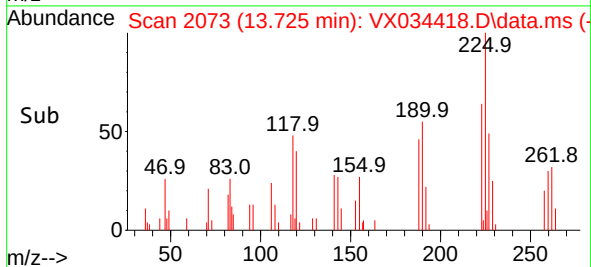
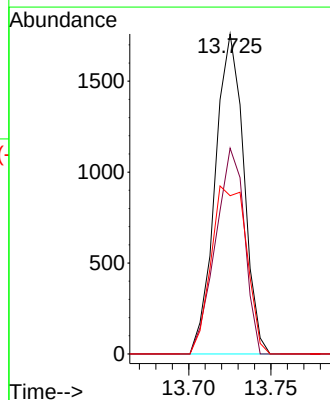
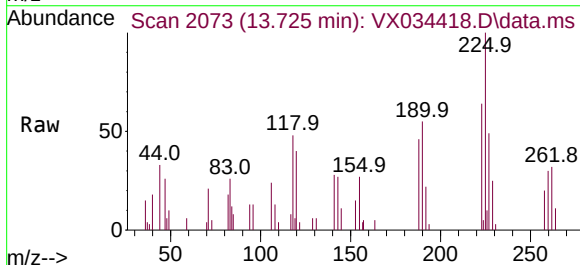
RT: 13.725 min Scan# 2073

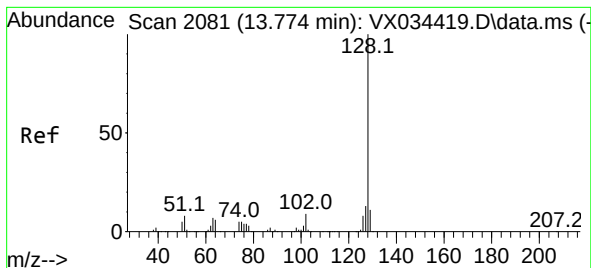
Delta R.T. 0.000 min

Lab File: VX034418.D

Acq: 10 Mar 2023 15:30

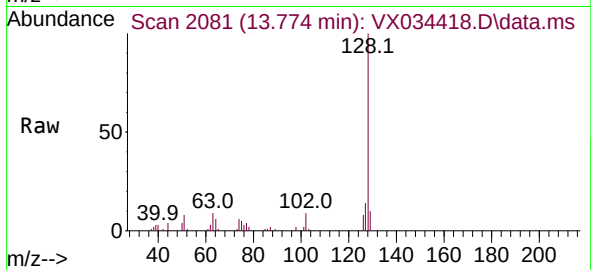
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 2121 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 65.2  | 32.1  | 96.5 |
| 227       | 64.8  | 31.8  | 95.4 |





#95  
Naphthalene  
Concen: 1.011 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. 0.000 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30

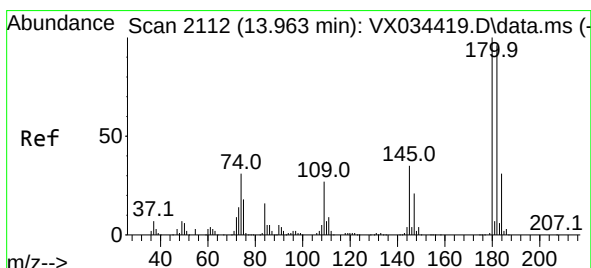
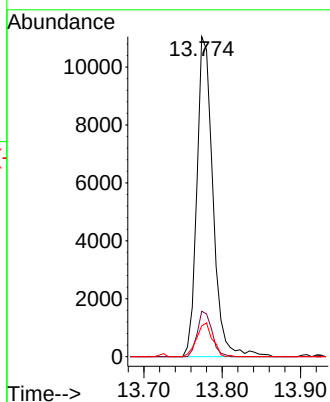
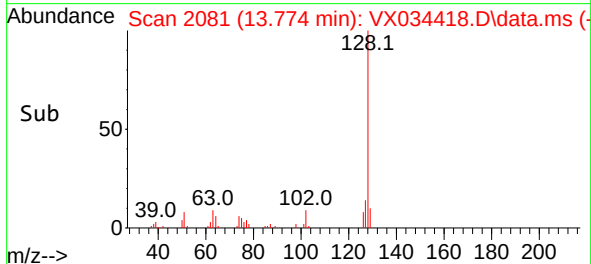
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001



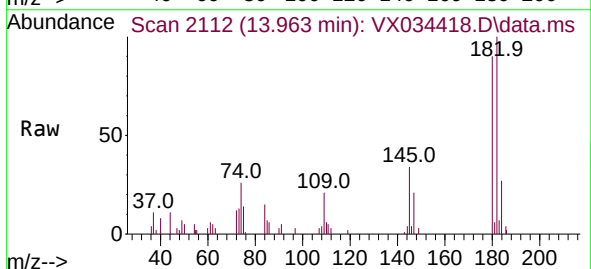
Tgt Ion:128 Resp: 15780  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.2 15.4  
129 10.4 8.6 13.0

Manual Integrations  
APPROVED

Reviewed By :John Carlone 03/13/2023  
Supervised By :Mahesh Dadoda 03/13/2023



#96  
1,2,3-Trichlorobenzene  
Concen: 1.058 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. 0.000 min  
Lab File: VX034418.D  
Acq: 10 Mar 2023 15:30



Tgt Ion:180 Resp: 4900  
Ion Ratio Lower Upper  
180 100  
182 96.1 48.0 144.2  
145 38.0 17.7 53.1

