

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100523\  
 Data File : VX038090.D  
 Acq On : 05 Oct 2023 09:35  
 Operator : JC/MD  
 Sample : VSTDICC001  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC001

Quant Time: Oct 05 15:22:39 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 05 15:22:37 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 10/05/2023  
 Supervised By : Mahesh Dadoda 10/06/2023

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 137786   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 233698   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 221947   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 117277   | 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  | 1171  | 0.880 | ug/l   | 95 |
| 3) Chloromethane             | 1.301 | 50  | 1609  | 1.187 | ug/l   | 91 |
| 4) Vinyl Chloride            | 1.374 | 62  | 1485  | 0.988 | ug/l # | 76 |
| 6) Chloroethane              | 1.685 | 64  | 1811  | 1.359 | ug/l   | 94 |
| 7) Trichlorofluoromethane    | 1.886 | 101 | 2795  | 0.942 | ug/l   | 96 |
| 8) Diethyl Ether             | 2.136 | 74  | 1040  | 0.939 | ug/l   | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 1301  | 1.004 | ug/l # | 84 |
| 12) 1,1-Dichloroethene       | 2.319 | 96  | 1204  | 0.955 | ug/l   | 89 |
| 14) Allyl chloride           | 2.660 | 41  | 2245  | 0.996 | ug/l # | 88 |
| 15) Acrylonitrile            | 3.062 | 53  | 5131  | 5.088 | ug/l   | 97 |
| 16) Acetone                  | 2.374 | 43  | 5220  | 5.644 | ug/l   | 95 |
| 17) Carbon Disulfide         | 2.508 | 76  | 4185  | 1.152 | ug/l   | 96 |
| 18) Methyl Acetate           | 2.703 | 43  | 3824  | 0.964 | ug/l   | 91 |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 4730  | 0.942 | ug/l   | 94 |
| 20) Methylene Chloride       | 2.782 | 84  | 2194  | 1.261 | ug/l # | 79 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 1529  | 0.980 | ug/l   | 92 |
| 22) Diisopropyl ether        | 3.757 | 45  | 4546  | 0.962 | ug/l # | 95 |
| 23) Vinyl Acetate            | 3.727 | 43  | 16449 | 4.746 | ug/l # | 94 |
| 24) 1,1-Dichloroethane       | 3.611 | 63  | 2944  | 1.027 | ug/l   | 97 |
| 25) 2-Butanone               | 4.562 | 43  | 7812  | 5.235 | ug/l # | 89 |
| 26) 2,2-Dichloropropane      | 4.477 | 77  | 2112  | 0.943 | ug/l   | 91 |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 1891  | 1.017 | ug/l   | 84 |
| 28) Bromochloromethane       | 4.898 | 49  | 1149  | 0.887 | ug/l # | 83 |
| 29) Tetrahydrofuran          | 5.007 | 42  | 5077  | 5.225 | ug/l   | 99 |
| 30) Chloroform               | 5.099 | 83  | 2894  | 0.923 | ug/l   | 96 |
| 32) 1,1,1-Trichloroethane    | 5.379 | 97  | 2553  | 0.950 | ug/l # | 51 |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 2681  | 1.155 | ug/l   | 88 |
| 37) Ethyl Acetate            | 4.721 | 43  | 2878  | 1.044 | ug/l # | 90 |
| 38) Carbon Tetrachloride     | 5.678 | 117 | 2330  | 1.020 | ug/l   | 90 |
| 39) Methylcyclohexane        | 7.379 | 83  | 2779  | 1.022 | ug/l   | 96 |
| 40) Benzene                  | 6.031 | 78  | 6191  | 0.953 | ug/l   | 93 |
| 41) Methacrylonitrile        | 4.934 | 41  | 1388  | 1.012 | ug/l   | 88 |
| 42) 1,2-Dichloroethane       | 6.086 | 62  | 2620  | 1.010 | ug/l   | 80 |
| 43) Isopropyl Acetate        | 6.336 | 43  | 3774  | 0.917 | ug/l   | 98 |
| 44) Trichloroethene          | 7.129 | 130 | 1546  | 0.910 | ug/l   | 98 |
| 45) 1,2-Dichloropropane      | 7.428 | 63  | 1673  | 0.995 | ug/l # | 82 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100523\  
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 Acq On : 05 Oct 2023 09:35  
 Operator : JC/MD  
 Sample : VSTDICC001  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC001

Quant Time: Oct 05 15:22:39 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 05 15:22:37 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 10/05/2023  
 Supervised By :Mahesh Dadoda 10/06/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) Dibromomethane            | 7.580  | 93   | 1339     | 1.027  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.818  | 83   | 2051     | 0.884  | ug/l   | 95       |
| 48) Methyl methacrylate       | 7.696  | 41   | 1839     | 0.936  | ug/l   | 88       |
| 49) 1,4-Dioxane               | 7.671  | 88   | 896      | 18.500 | ug/l # | 81       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 13402    | 4.719  | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 3881     | 0.917  | ug/l   | 84       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 2117     | 0.850  | ug/l # | 83       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 2230     | 0.853  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 1746     | 0.965  | ug/l   | 92       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 2464     | 0.888  | ug/l # | 86       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 2832     | 0.968  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 6435     | 4.725  | ug/l   | 98       |
| 59) 2-Hexanone                | 9.427  | 43   | 10541    | 4.617  | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.525  | 129  | 1416     | 0.800  | ug/l   | 90       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 1757     | 0.898  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.269  | 164  | 1403     | 0.976  | ug/l   | 84       |
| 65) Chlorobenzene             | 10.080 | 112  | 4933     | 1.062  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 1297     | 0.826  | ug/l # | 54       |
| 67) Ethyl Benzene             | 10.195 | 91   | 8126     | 0.980  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 6093     | 1.901  | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 3163     | 1.011  | ug/l   | 90       |
| 70) Styrene                   | 10.659 | 104  | 4452     | 0.874  | ug/l   | 97       |
| 71) Bromoform                 | 10.799 | 173  | 1101     | 3.576  | ug/l # | 86       |
| 73) Isopropylbenzene          | 10.964 | 105  | 7428     | 0.944  | ug/l   | 97       |
| 74) N-amyl acetate            | 10.842 | 43   | 2696     | 0.803  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 2794     | 0.968  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 2368m    | 0.888  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 1954     | 1.018  | ug/l   | 96       |
| 78) n-propylbenzene           | 11.305 | 91   | 9505     | 0.988  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 6115     | 1.072  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 6195     | 0.913  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 6894     | 1.022  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 6247     | 0.942  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 6101     | 0.902  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 8207     | 0.956  | ug/l   | 94       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 6577     | 0.928  | ug/l   | 90       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 4267     | 1.106  | ug/l   | 91       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 3992m    | 1.014  | ug/l   |          |
| 89) n-Butylbenzene            | 12.335 | 91   | 6781     | 0.961  | ug/l   | 93       |
| 90) Hexachloroethane          | 12.536 | 117  | 991      | 0.843  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 3807     | 1.027  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 605      | 0.867  | ug/l   | 87       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 2516     | 1.012  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 1126     | 1.125  | ug/l   | 96       |
| 95) Naphthalene               | 13.774 | 128  | 8855     | 1.023  | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 2417     | 1.004  | ug/l   | 90       |

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

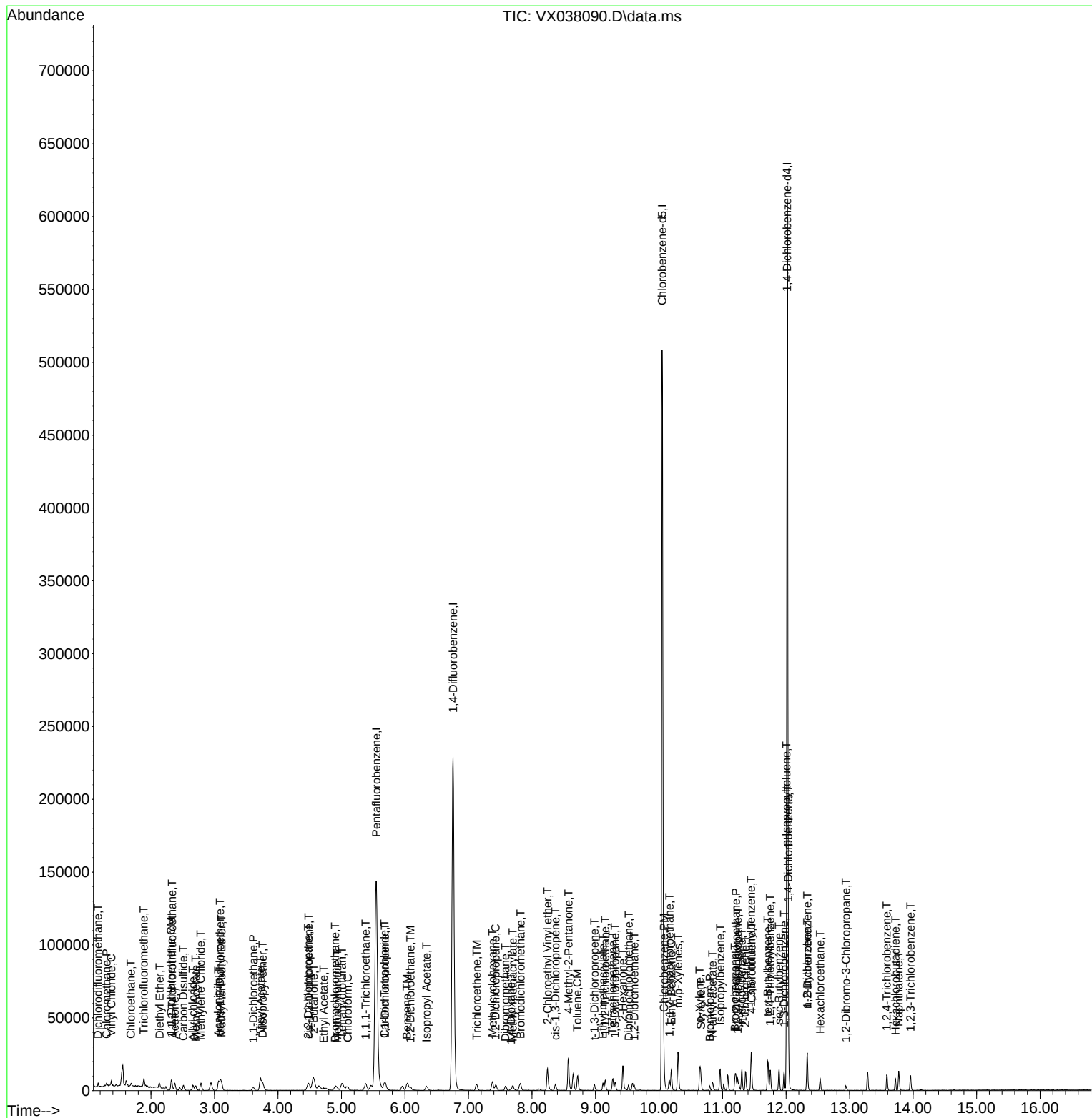
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Data File : VX038090.D  
Acq On : 05 Oct 2023 09:35  
Operator : JC/MD  
Sample : VSTDIC001  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

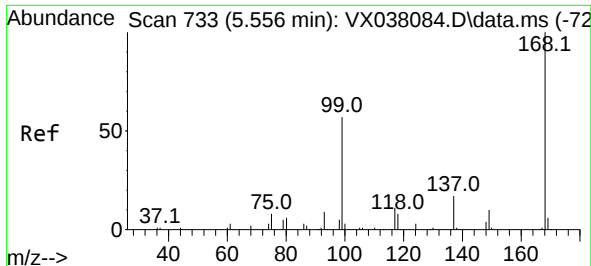
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MSVOA\_X  
ClientSampleId :  
VSTDIC001

Quant Time: Oct 05 15:22:39 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100523W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 05 15:22:37 2023  
Response via : Initial Calibration

Manual Integrations  
APPROVED

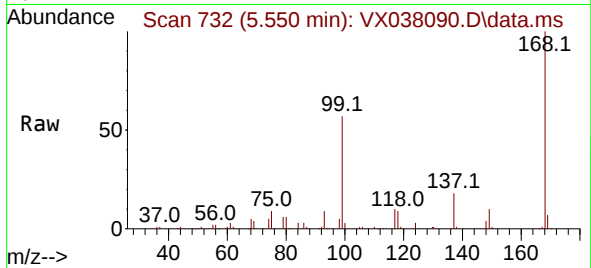
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

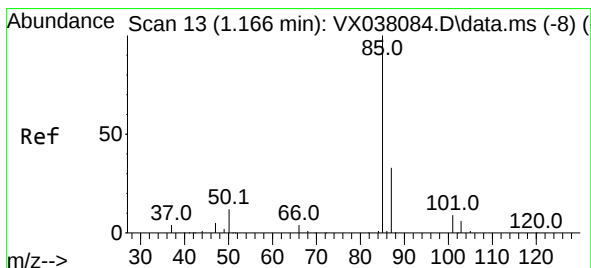
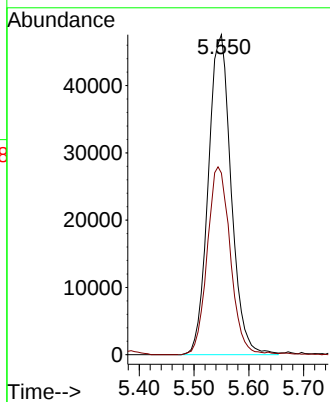
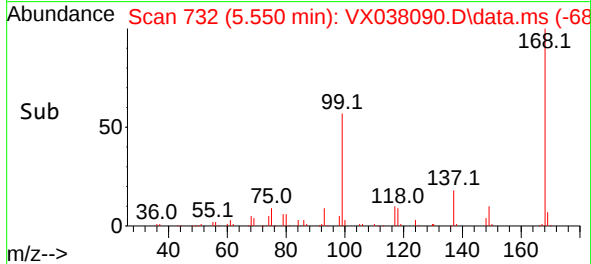
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001



Tgt Ion:168 Resp: 137780  
Ion Ratio Lower Upper  
168 100  
99 56.7 56.6 85.0

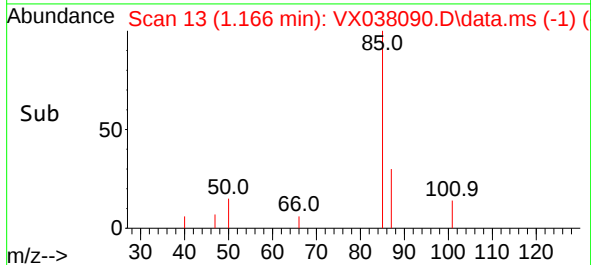
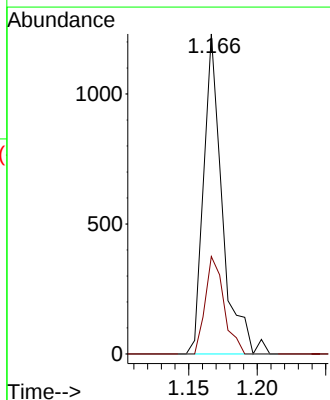
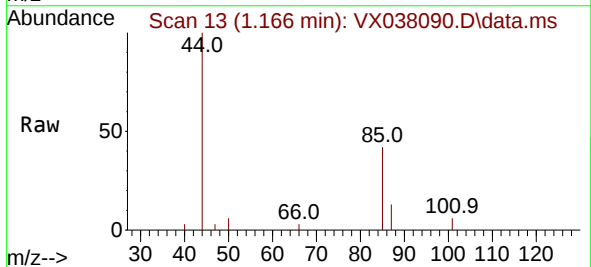
Manual Integrations  
APPROVED

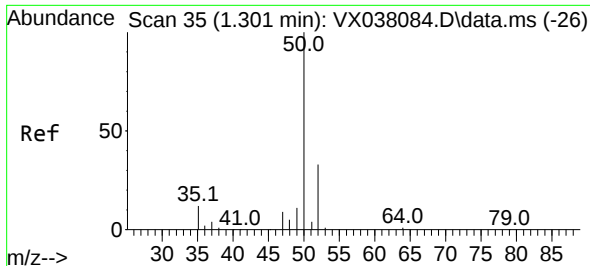
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#2  
Dichlorodifluoromethane  
Concen: 0.880 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

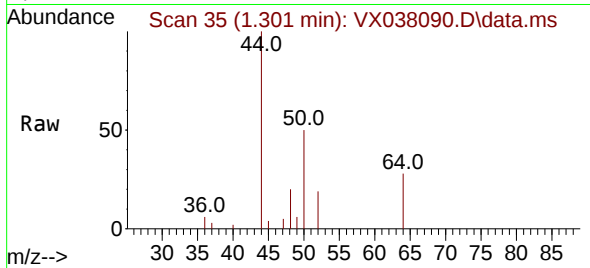
Tgt Ion: 85 Resp: 1171  
Ion Ratio Lower Upper  
85 100  
87 30.5 16.7 50.1





#3  
Chloromethane  
Concen: 1.187 ug/l  
RT: 1.301 min Scan# 35  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

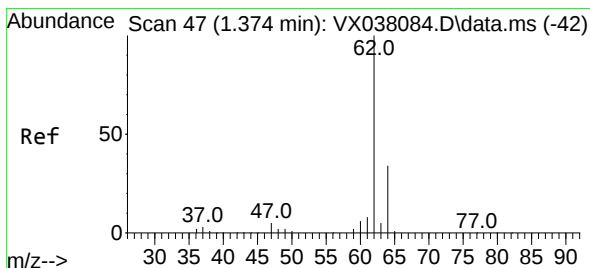
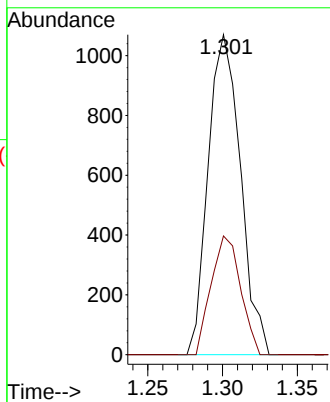
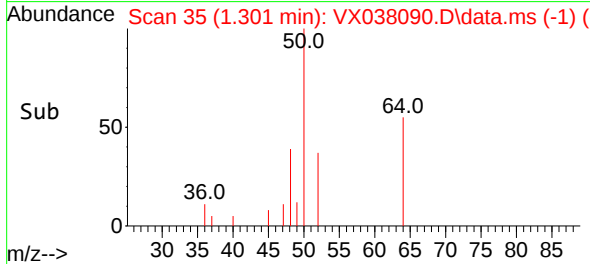
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001



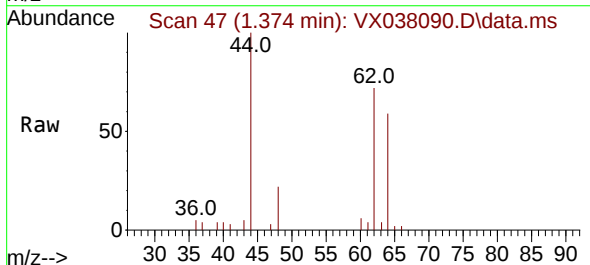
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Ion Ratio Lower Upper  
50 100  
52 37.1 25.5 38.3

Manual Integrations  
APPROVED

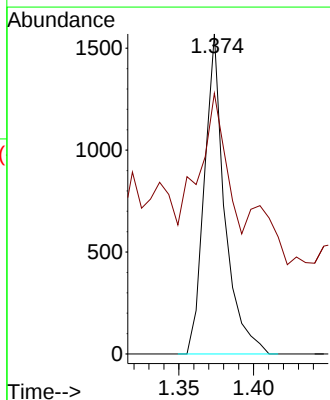
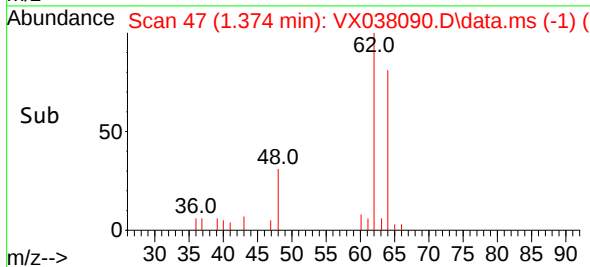
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023

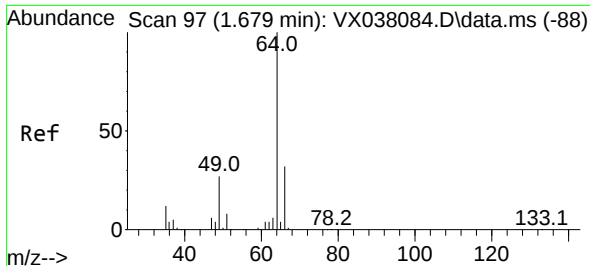


#4  
Vinyl Chloride  
Concen: 0.988 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35



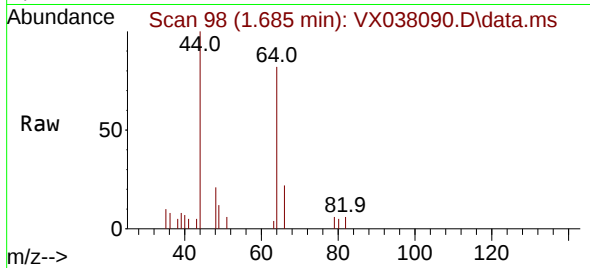
Tgt Ion: 62 Resp: 1485  
Ion Ratio Lower Upper  
62 100  
64 44.9 25.4 38.0





#6  
Chloroethane  
Concen: 1.359 ug/l  
RT: 1.685 min Scan# 97  
Delta R.T. 0.006 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

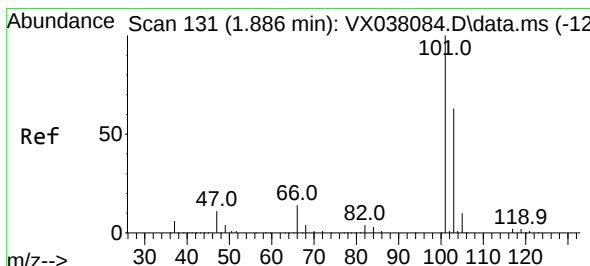
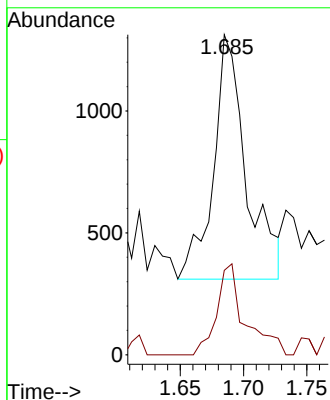
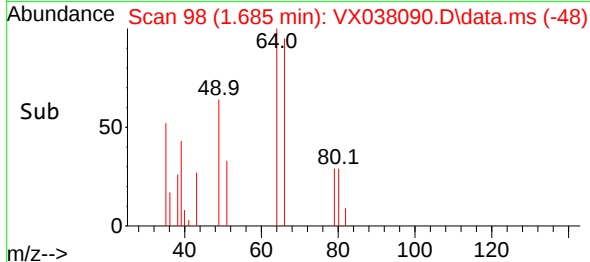
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001



Tgt Ion: 64 Resp: 181  
Ion Ratio Lower Upper  
64 100  
66 34.5 25.1 37.7

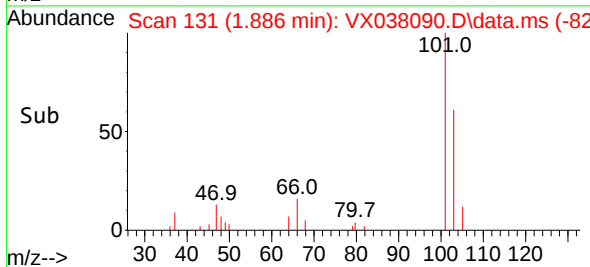
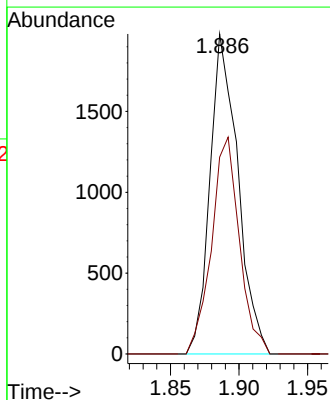
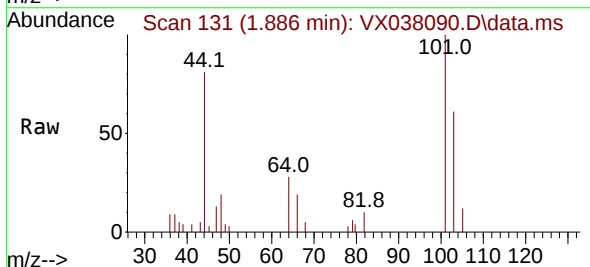
Manual Integrations  
APPROVED

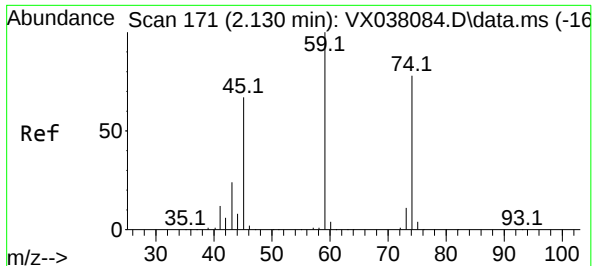
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#7  
Trichlorofluoromethane  
Concen: 0.942 ug/l  
RT: 1.886 min Scan# 131  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

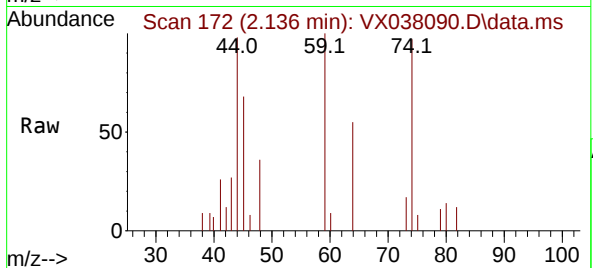
Tgt Ion:101 Resp: 2795  
Ion Ratio Lower Upper  
101 100  
103 61.5 51.4 77.2





#8  
Diethyl Ether  
Concen: 0.939 ug/l  
RT: 2.136 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

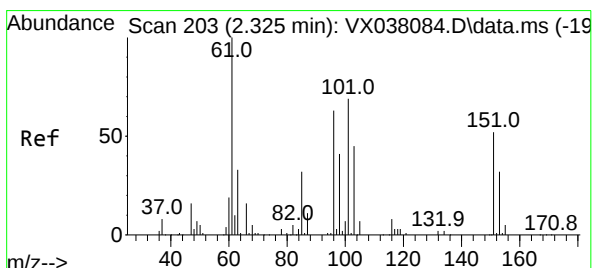
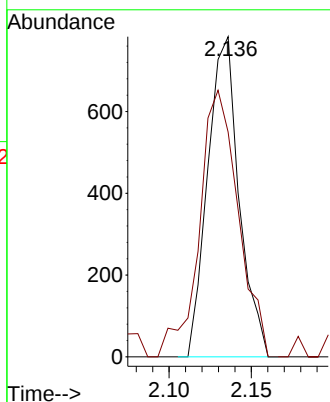
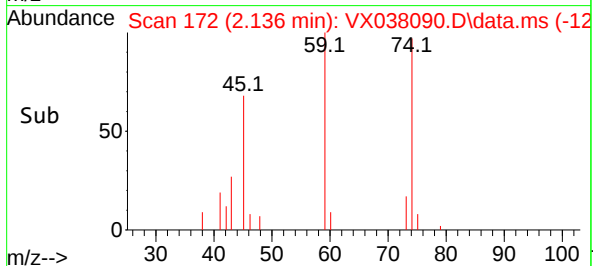
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001



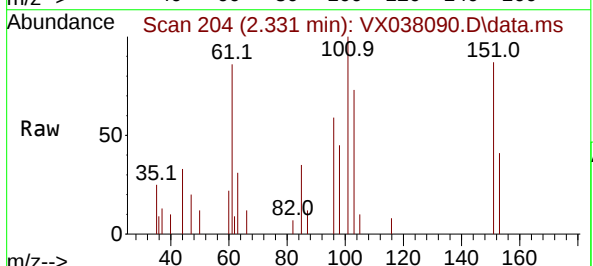
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Ion Ratio Lower Upper  
74 100  
45 103.5 53.3 159.8

Manual Integrations  
APPROVED

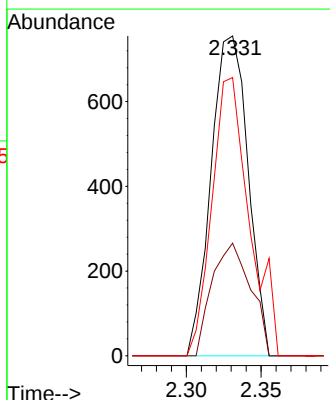
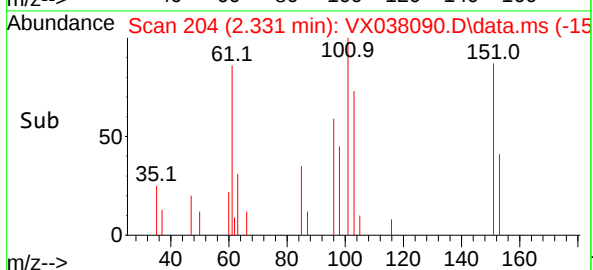
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023

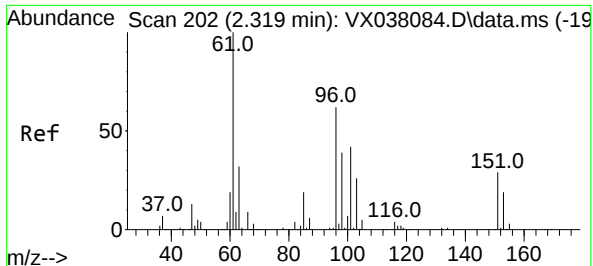


#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 1.004 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. 0.006 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35



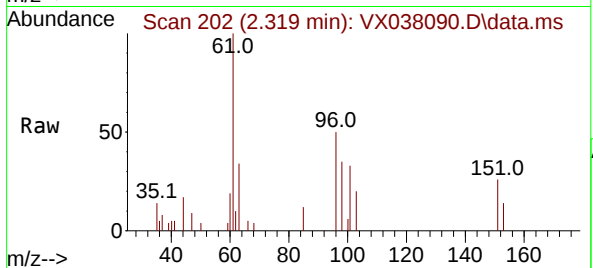
Tgt Ion:101 Resp: 1301  
Ion Ratio Lower Upper  
101 100  
85 36.8 37.0 55.6#  
151 87.8 58.6 87.8





#12  
1,1-Dichloroethene  
Concen: 0.955 ug/l  
RT: 2.319 min Scan# 202  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

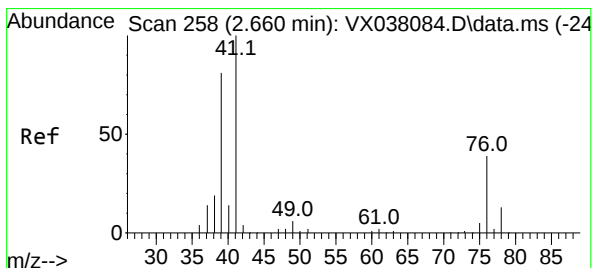
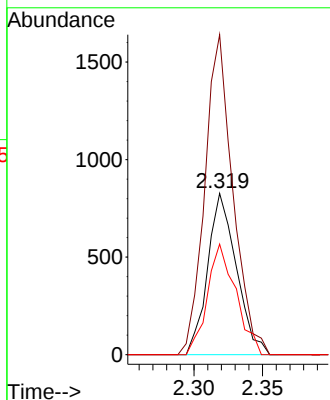
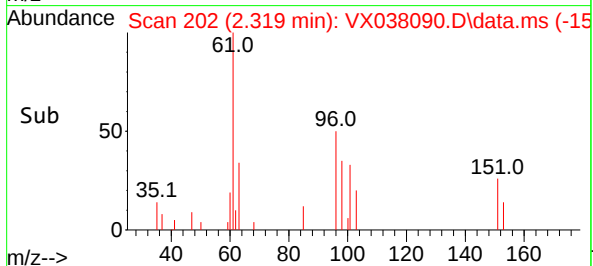
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001



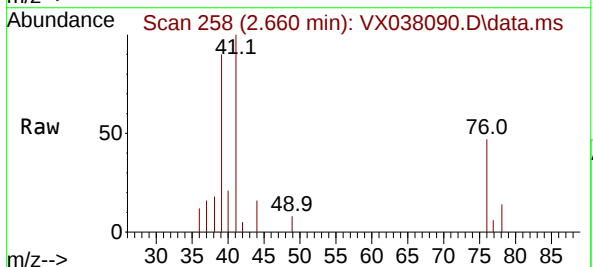
Tgt Ion: 96 Resp: 1204  
Ion Ratio Lower Upper  
96 100  
61 198.3 144.6 216.8  
98 68.6 50.4 75.6

Manual Integrations  
APPROVED

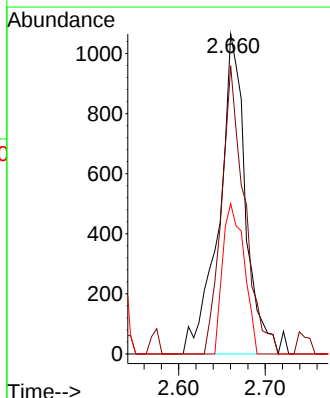
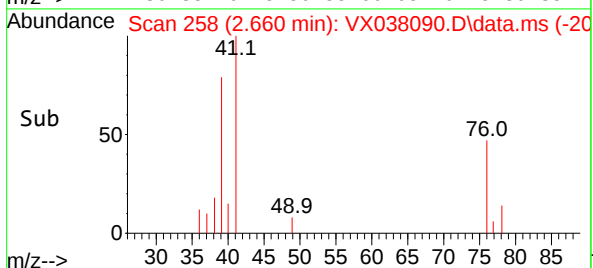
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023

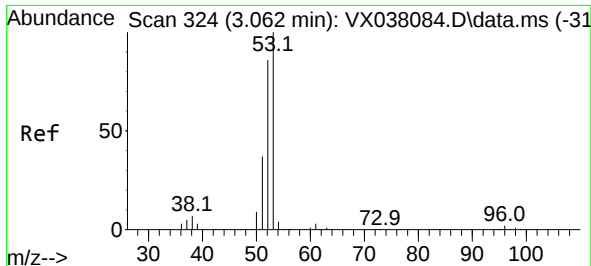


#14  
Allyl chloride  
Concen: 0.996 ug/l  
RT: 2.660 min Scan# 258  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35



Tgt Ion: 41 Resp: 2245  
Ion Ratio Lower Upper  
41 100  
39 78.9 55.8 83.6  
76 38.3 24.3 36.5#





#15

Acrylonitrile

Concen: 5.088 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

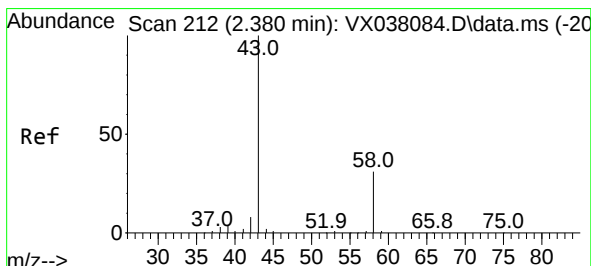
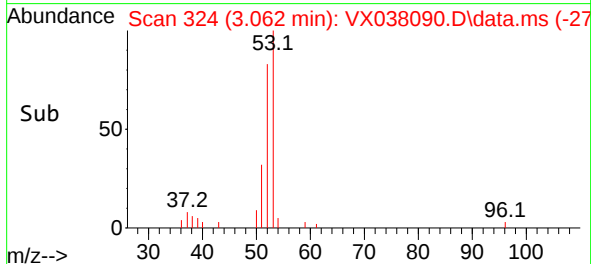
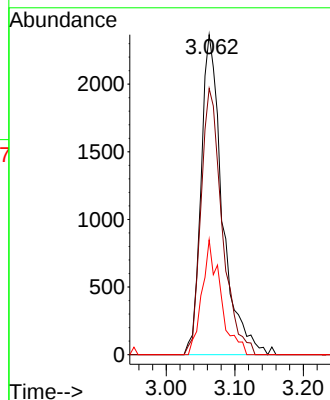
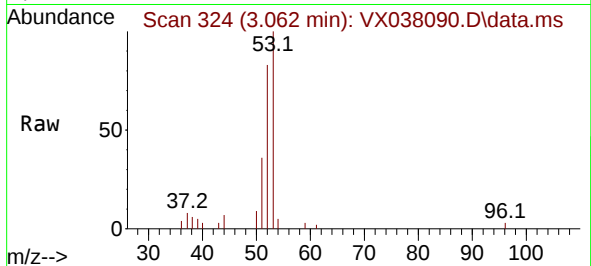
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 513   |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 82.4  | 66.0  | 99.0  |
| 51       | 31.8  | 29.8  | 44.6  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/05/2023

Supervised By :Mahesh Dadoda 10/06/2023



#16

Acetone

Concen: 5.644 ug/l

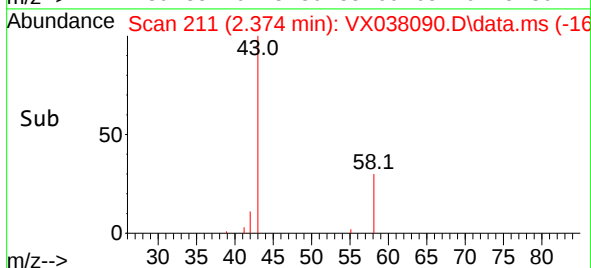
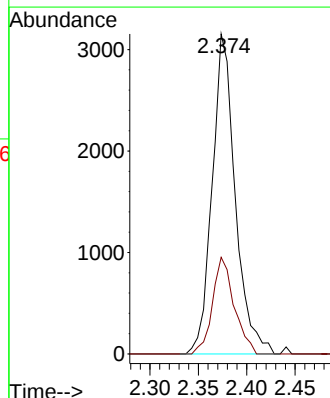
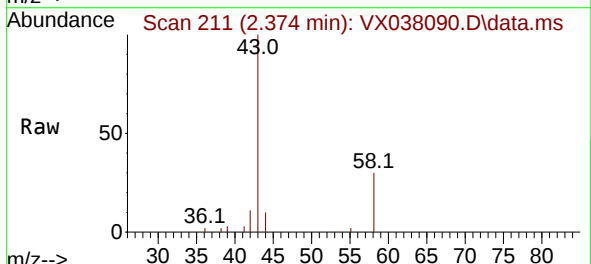
RT: 2.374 min Scan# 211

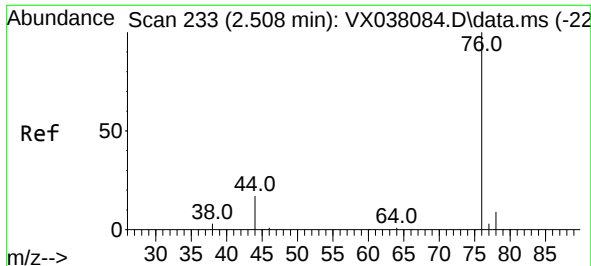
Delta R.T. -0.006 min

Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 5220  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 30.2  | 21.9  | 32.9  |





#17

Carbon Disulfide

Concen: 1.152 ug/l

RT: 2.508 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 76 Resp: 418

Ion Ratio Lower Upper

76 100

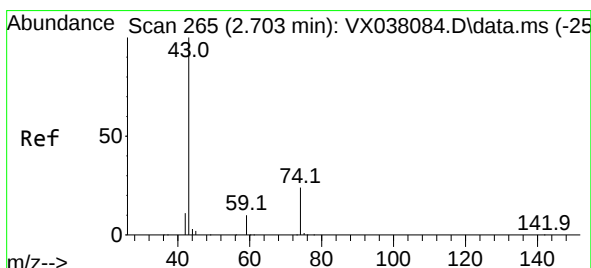
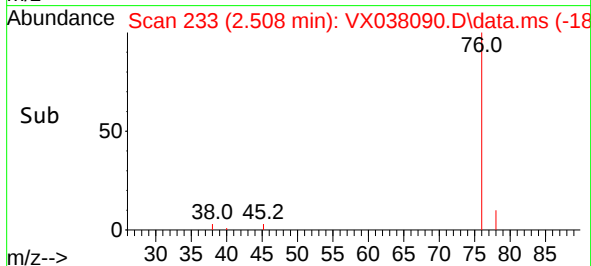
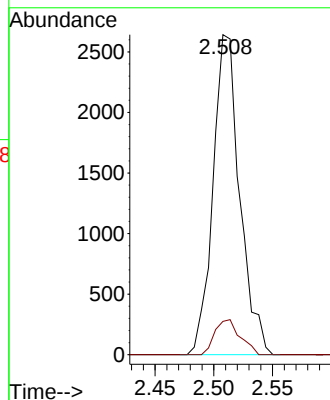
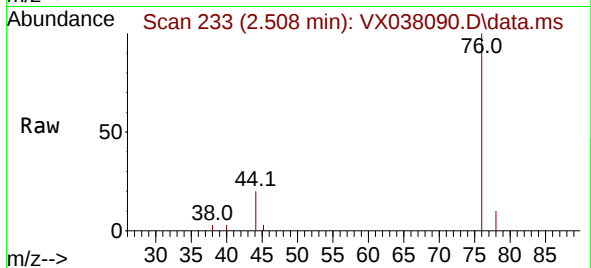
78 10.4 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/05/2023

Supervised By :Mahesh Dadoda 10/06/2023



#18

Methyl Acetate

Concen: 0.964 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX038090.D

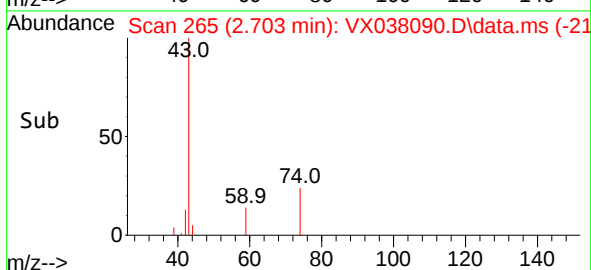
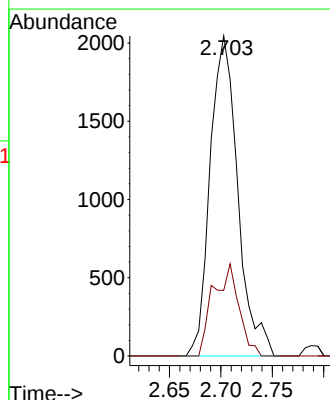
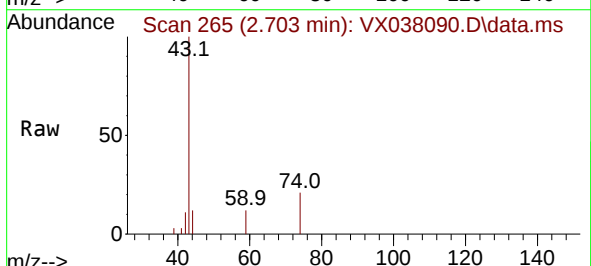
Acq: 05 Oct 2023 09:35

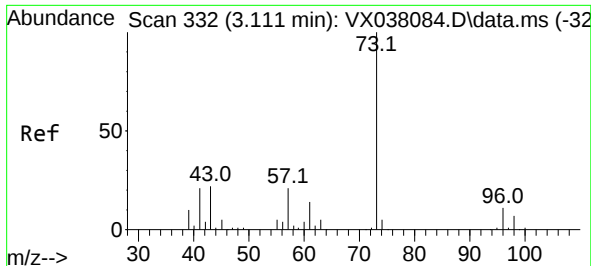
Tgt Ion: 43 Resp: 3824

Ion Ratio Lower Upper

43 100

74 26.8 17.8 26.8





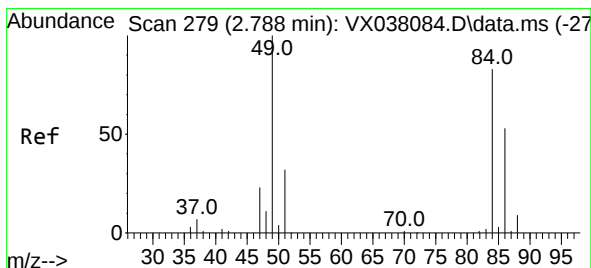
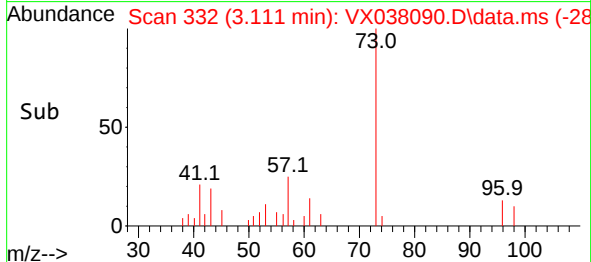
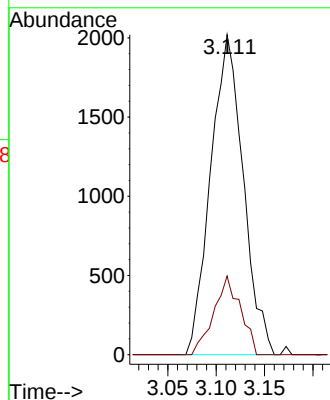
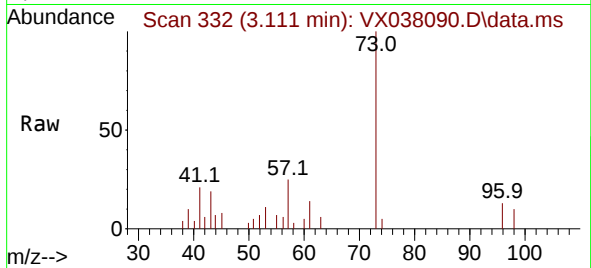
#19  
Methyl tert-butyl Ether  
Concen: 0.942 ug/l  
RT: 3.111 min Scan# 311  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

Tgt Ion: 73 Resp: 4730  
Ion Ratio Lower Upper  
73 100  
57 24.6 17.3 25.9

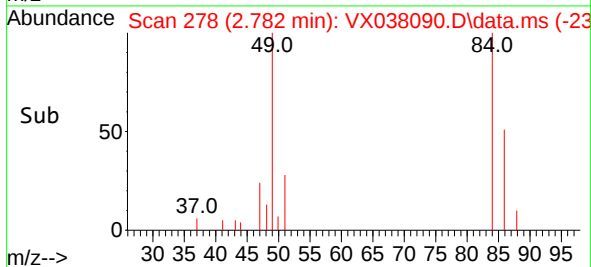
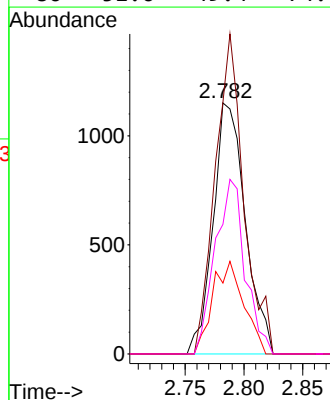
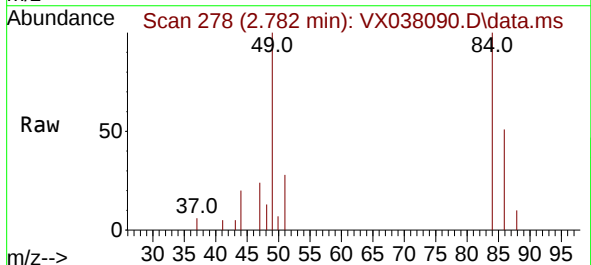
Manual Integrations  
APPROVED

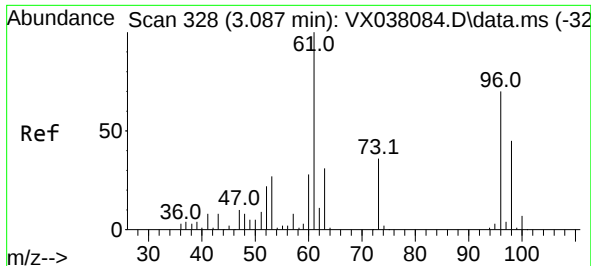
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#20  
Methylene Chloride  
Concen: 1.261 ug/l  
RT: 2.782 min Scan# 278  
Delta R.T. -0.006 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

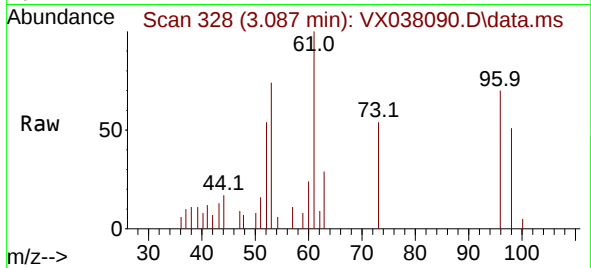
Tgt Ion: 84 Resp: 2194  
Ion Ratio Lower Upper  
84 100  
49 100.3 103.6 155.4#  
51 28.2 33.8 50.6#  
86 51.6 49.4 74.0





#21  
trans-1,2-Dichloroethene  
Concen: 0.980 ug/l  
RT: 3.087 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

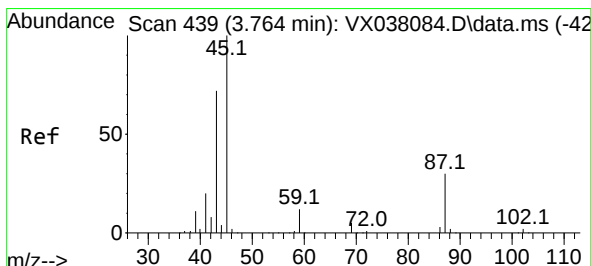
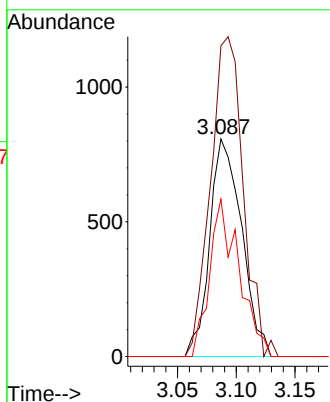
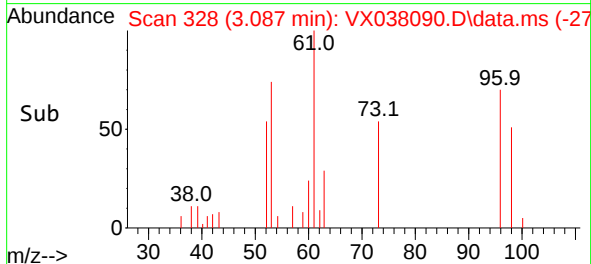
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001



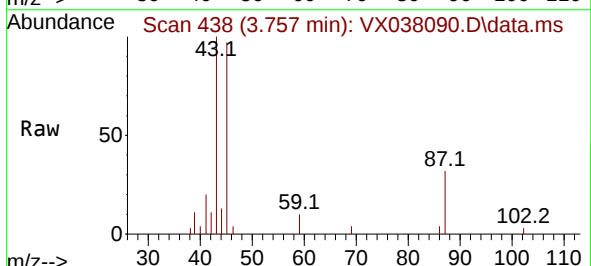
Tgt Ion: 96 Resp: 1529  
Ion Ratio Lower Upper  
96 100  
61 142.9 119.2 178.8  
98 72.4 48.7 73.1

Manual Integrations  
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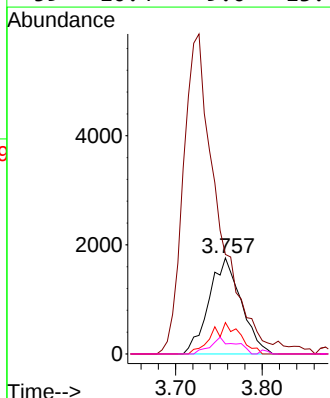
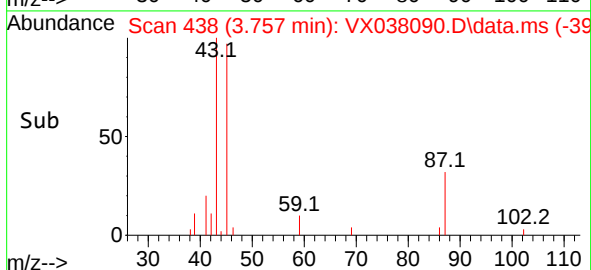
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023

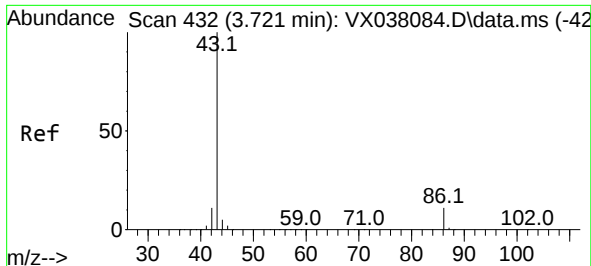


#22  
Diisopropyl ether  
Concen: 0.962 ug/l  
RT: 3.757 min Scan# 438  
Delta R.T. -0.006 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35



Tgt Ion: 45 Resp: 4546  
Ion Ratio Lower Upper  
45 100  
43 90.3 69.7 104.5  
87 32.7 20.8 31.2#  
59 10.4 9.0 13.4





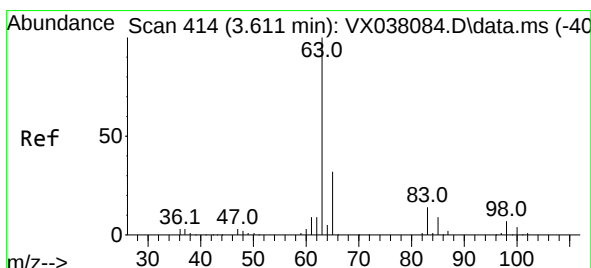
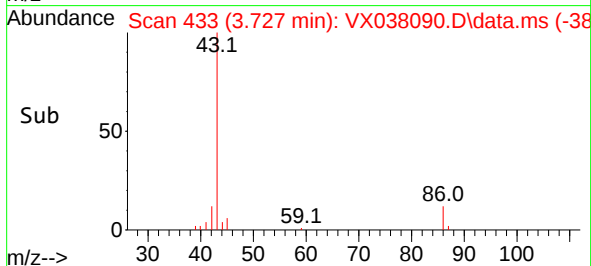
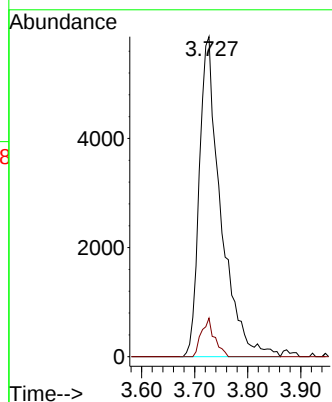
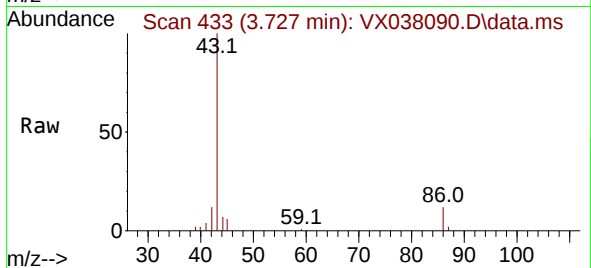
#23  
 Vinyl Acetate  
 Concen: 4.746 ug/l  
 RT: 3.727 min Scan# 41  
 Delta R.T. 0.006 min  
 Lab File: VX038090.D  
 Acq: 05 Oct 2023 09:35

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC001

Tgt Ion: 43 Resp: 16449  
 Ion Ratio Lower Upper  
 43 100  
 86 12.0 7.8 11.8

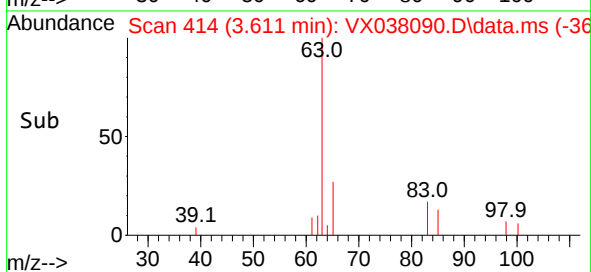
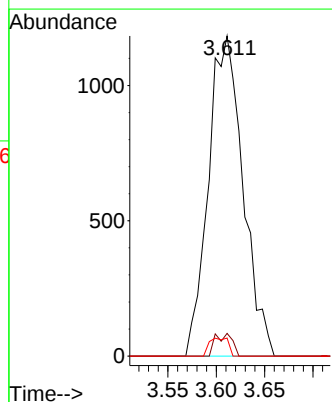
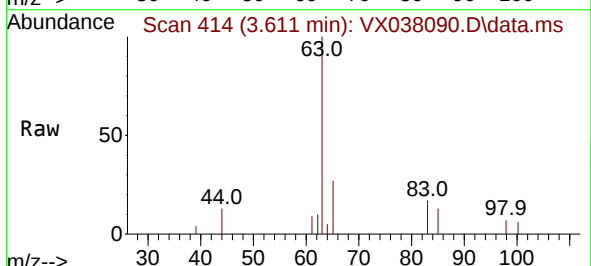
Manual Integrations  
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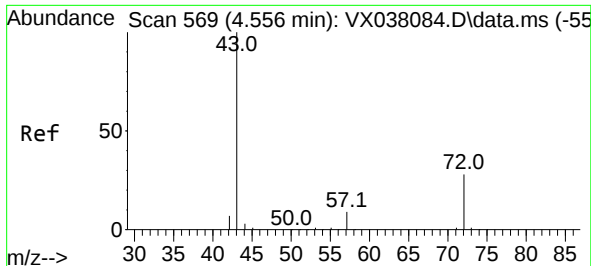
Reviewed By :John Carlone 10/05/2023  
 Supervised By :Mahesh Dadoda 10/06/2023



#24  
 1,1-Dichloroethane  
 Concen: 1.027 ug/l  
 RT: 3.611 min Scan# 414  
 Delta R.T. 0.000 min  
 Lab File: VX038090.D  
 Acq: 05 Oct 2023 09:35

Tgt Ion: 63 Resp: 2944  
 Ion Ratio Lower Upper  
 63 100  
 98 7.1 3.3 9.8  
 100 5.7 2.1 6.5





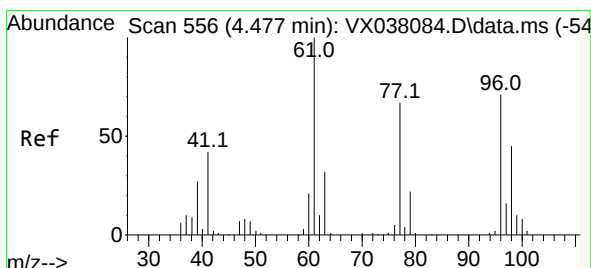
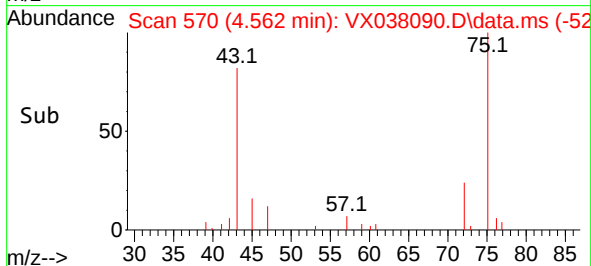
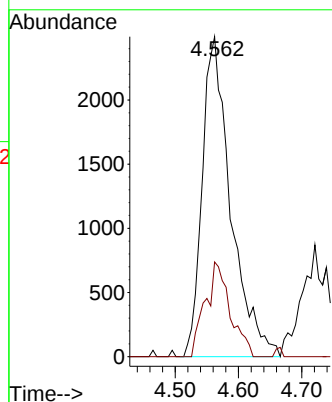
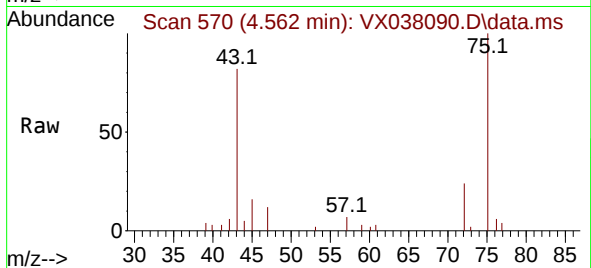
#25  
2-Butanone  
Concen: 5.235 ug/l  
RT: 4.562 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

Tgt Ion: 43 Resp: 781  
Ion Ratio Lower Upper  
43 100  
72 29.6 19.4 29.2

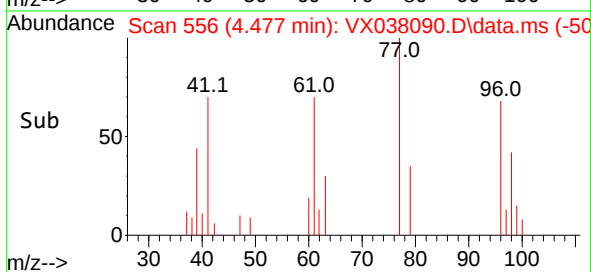
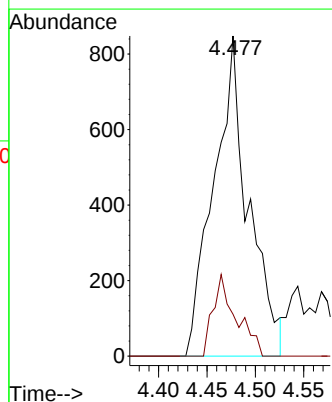
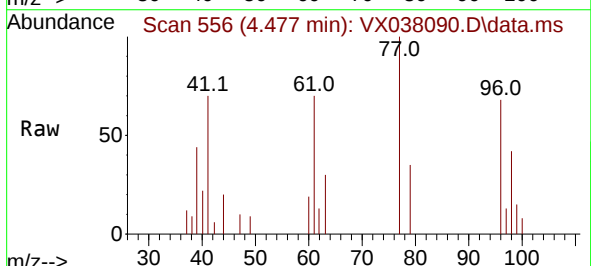
Manual Integrations  
APPROVED

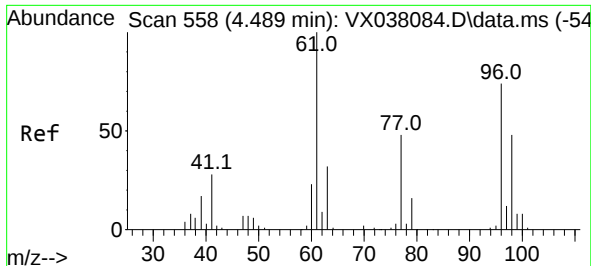
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#26  
2,2-Dichloropropane  
Concen: 0.943 ug/l  
RT: 4.477 min Scan# 556  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

Tgt Ion: 77 Resp: 2112  
Ion Ratio Lower Upper  
77 100  
97 17.1 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 1.017 ug/l

RT: 4.483 min Scan# 558

Delta R.T. -0.006 min

Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 189

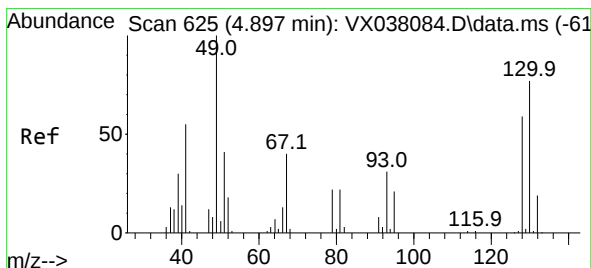
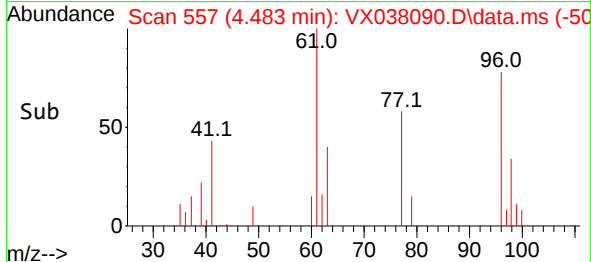
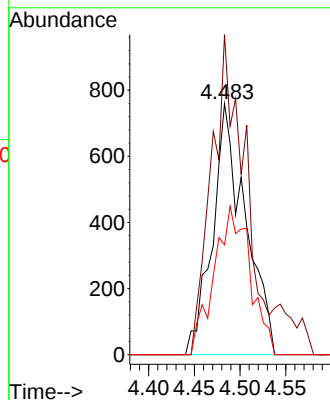
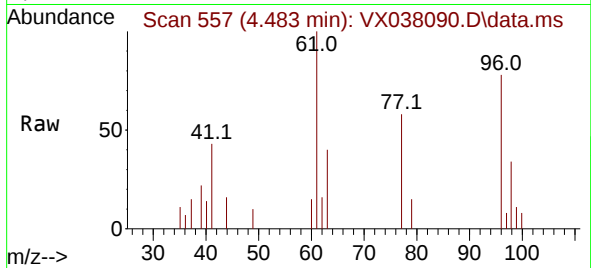
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 127.8 | 0.0   | 312.2 |
| 98  | 65.0  | 0.0   | 129.0 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/05/2023

Supervised By :Mahesh Dadoda 10/06/2023



#28

Bromochloromethane

Concen: 0.887 ug/l

RT: 4.898 min Scan# 625

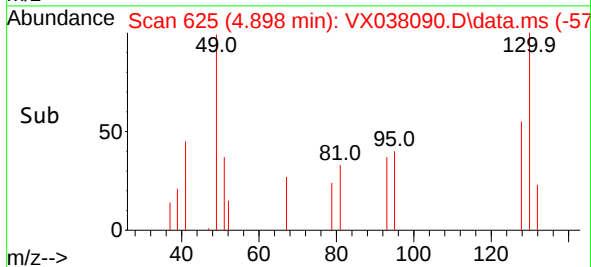
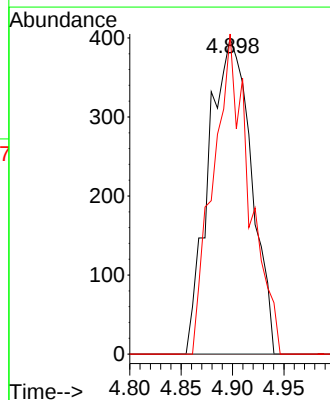
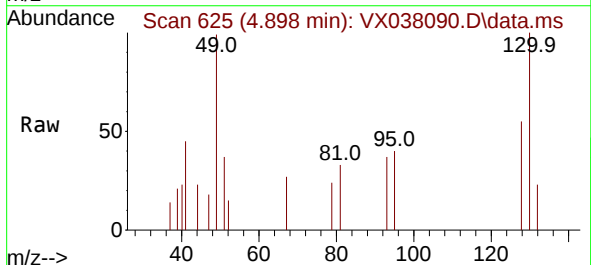
Delta R.T. 0.000 min

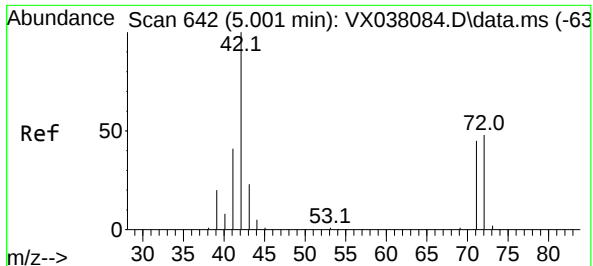
Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

Tgt Ion: 49 Resp: 1149

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 0.0   | 0.0   | 3.8   |
| 130 | 86.1  | 57.5  | 86.3  |





#29

Tetrahydrofuran

Concen: 5.225 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

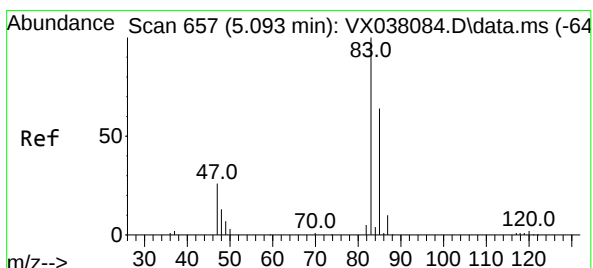
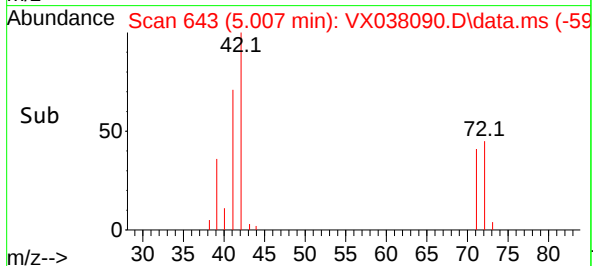
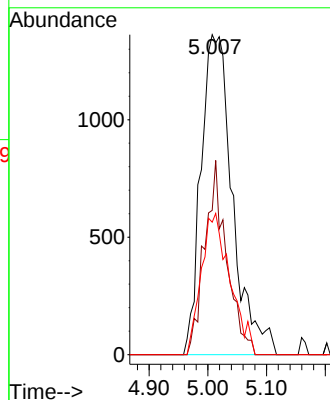
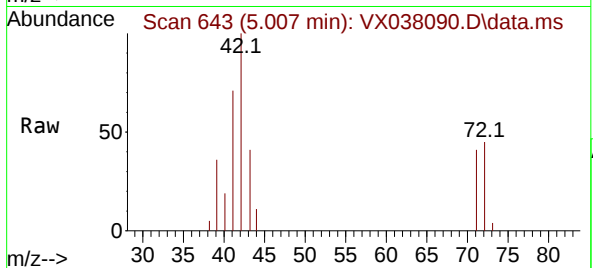
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 507   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 42.3  | 34.2  | 51.4  |
| 71       | 40.4  | 32.2  | 48.2  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/05/2023

Supervised By :Mahesh Dadoda 10/06/2023



#30

Chloroform

Concen: 0.923 ug/l

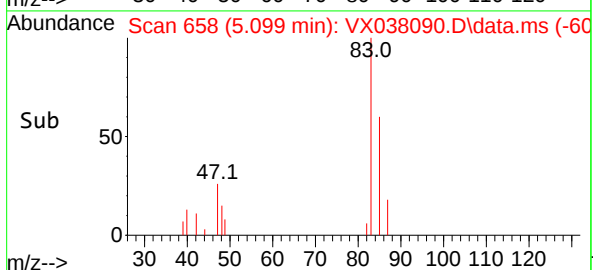
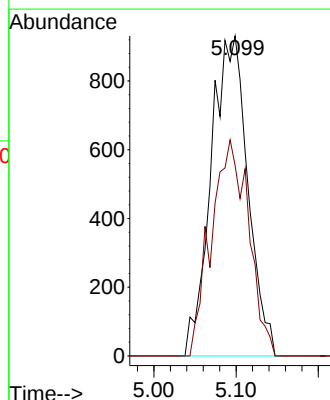
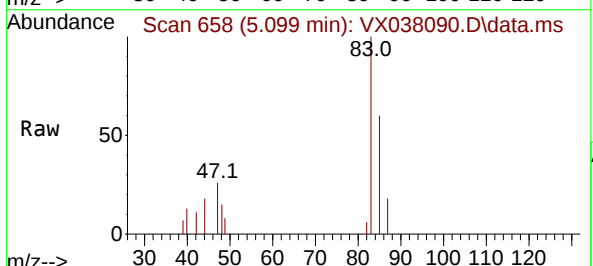
RT: 5.099 min Scan# 658

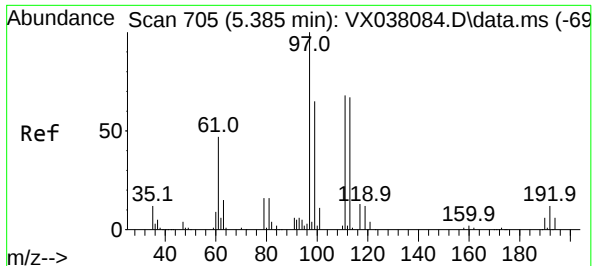
Delta R.T. 0.006 min

Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 2894  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 59.6  | 50.3  | 75.5  |





#32

1,1,1-Trichloroethane

Concen: 0.950 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

Tgt Ion: 97 Resp: 255

Ion Ratio Lower Upper

97 100

99 0.0 51.1 76.7

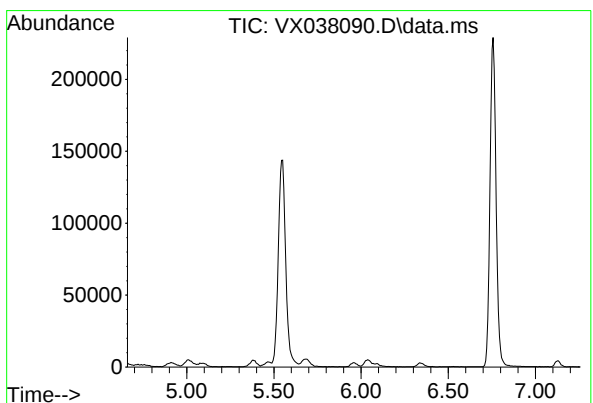
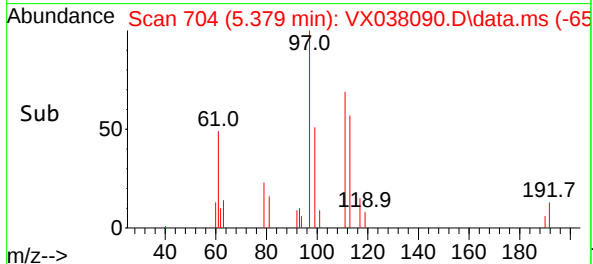
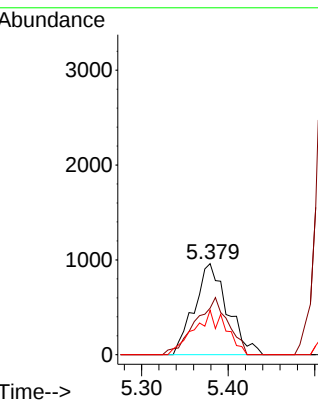
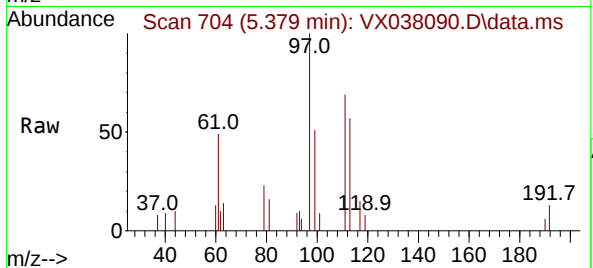
61 47.2 36.4 54.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/05/2023

Supervised By :Mahesh Dadoda 10/06/2023



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 5.96 min

Lab File: VX038090.D

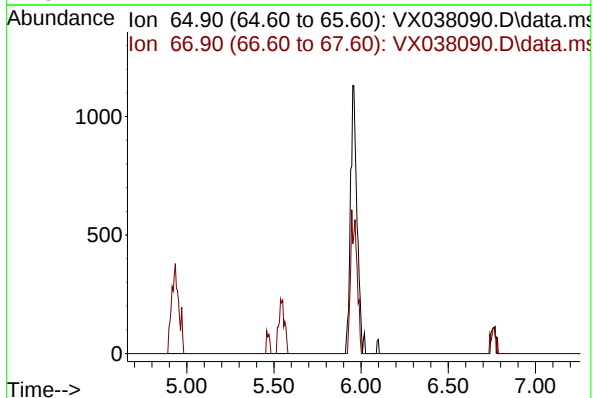
Acq: 05 Oct 2023 09:35

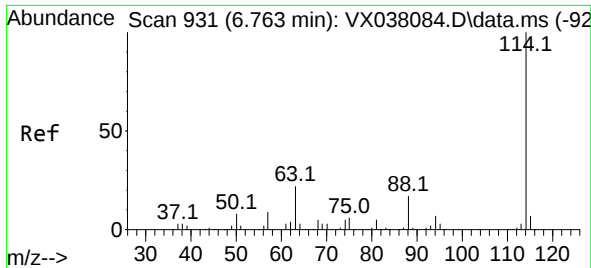
Tgt Ion: 65

Sig Exp Ratio

65 100

67 50.1





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

Tgt Ion:114 Resp: 233698

Ion Ratio Lower Upper

114 100

63 20.6 0.0 45.0

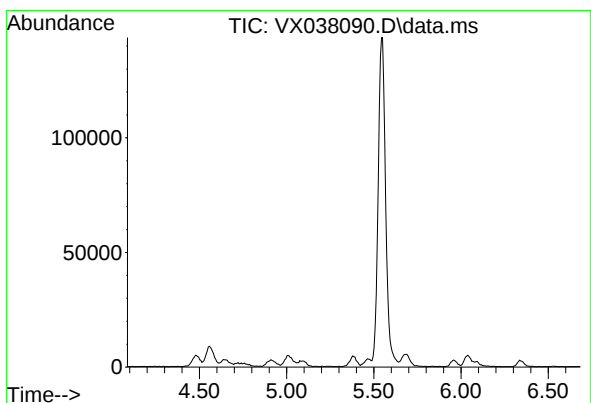
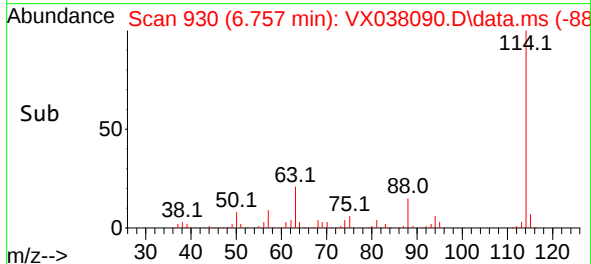
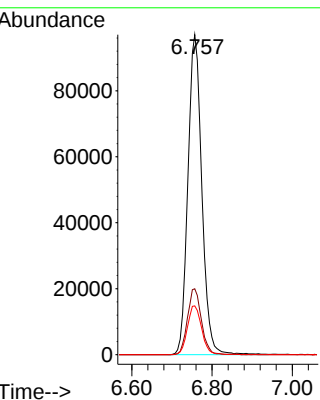
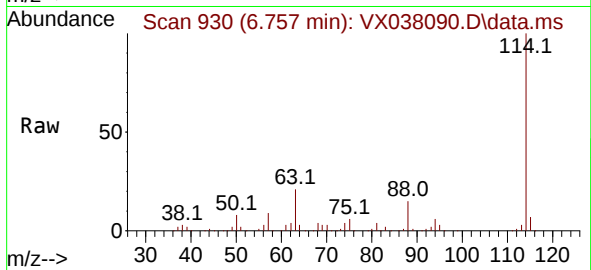
88 15.3 0.0 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/05/2023

Supervised By :Mahesh Dadoda 10/06/2023



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 5.39 min

Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

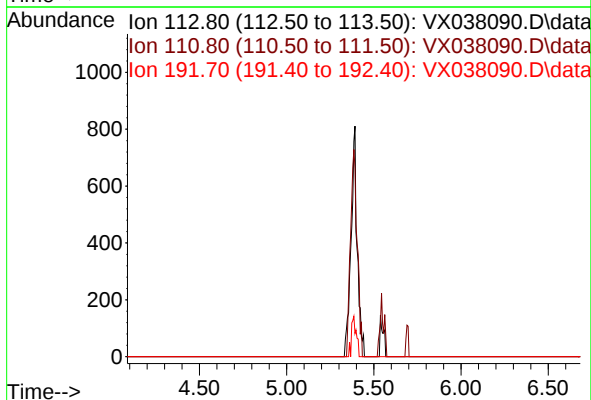
Tgt Ion: 113

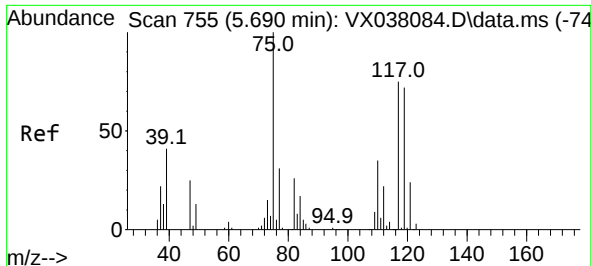
Sig Exp Ratio

113 100

111 103.6

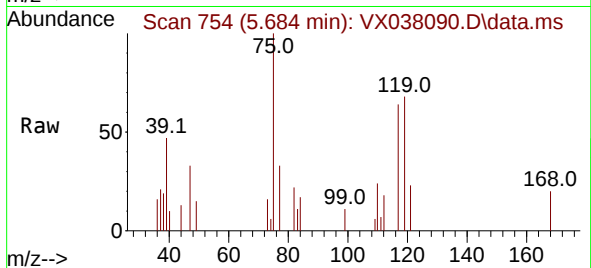
192 16.6





#36  
1,1-Dichloropropene  
Concen: 1.155 ug/l  
RT: 5.684 min Scan# 755  
Delta R.T. -0.006 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

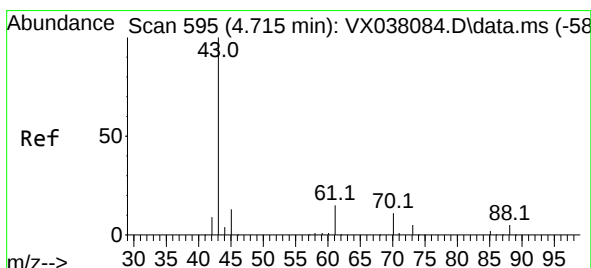
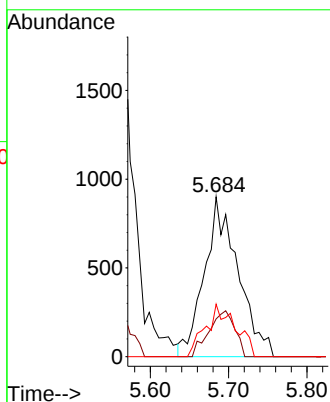
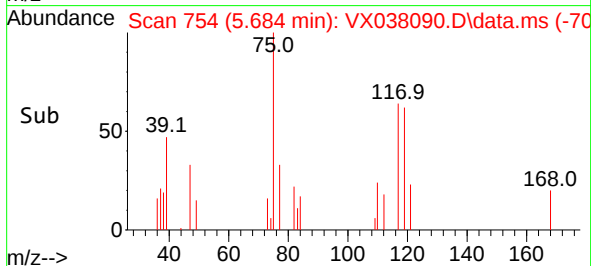
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001



Tgt Ion: 75 Resp: 268  
Ion Ratio Lower Upper  
75 100  
110 22.2 17.0 50.9  
77 29.2 24.7 37.1

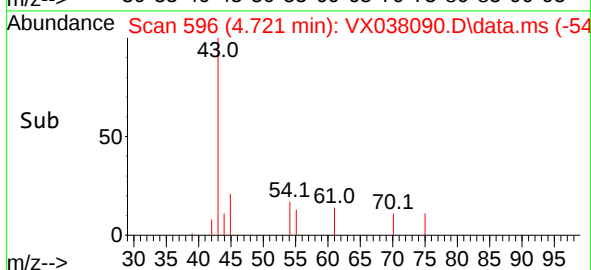
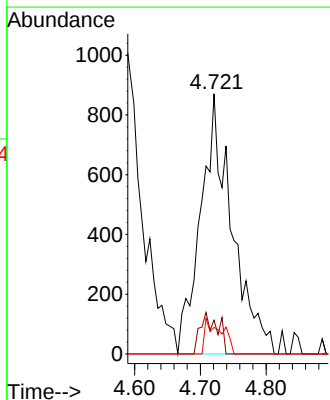
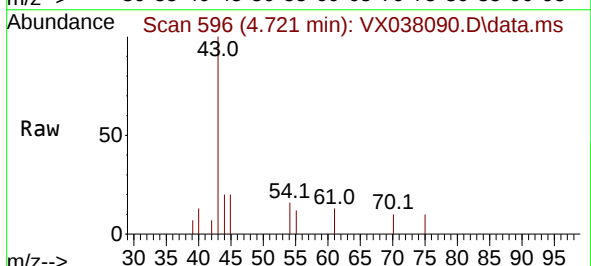
Manual Integrations  
APPROVED

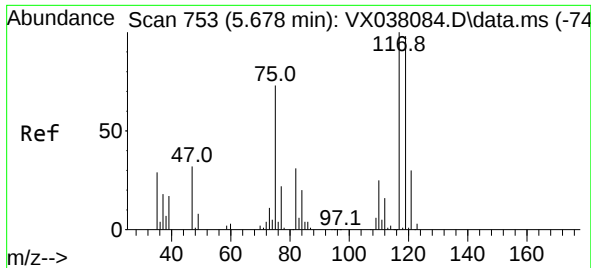
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#37  
Ethyl Acetate  
Concen: 1.044 ug/l  
RT: 4.721 min Scan# 596  
Delta R.T. 0.006 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

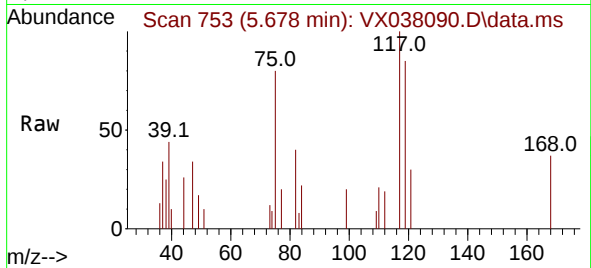
Tgt Ion: 43 Resp: 2878  
Ion Ratio Lower Upper  
43 100  
61 8.8 10.6 16.0#  
70 7.3 8.3 12.5#





#38  
Carbon Tetrachloride  
Concen: 1.020 ug/l  
RT: 5.678 min Scan# 753  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

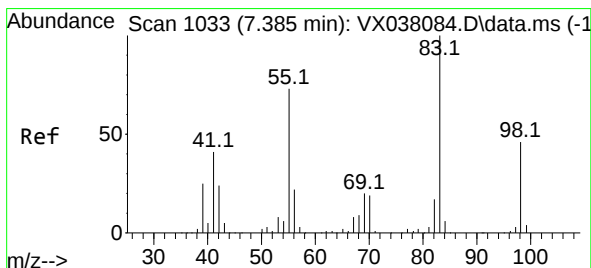
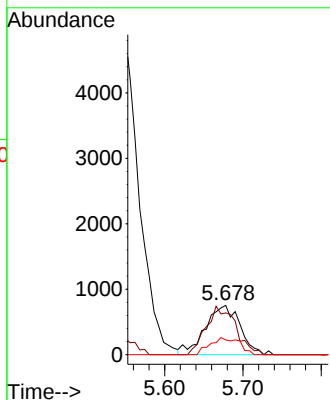
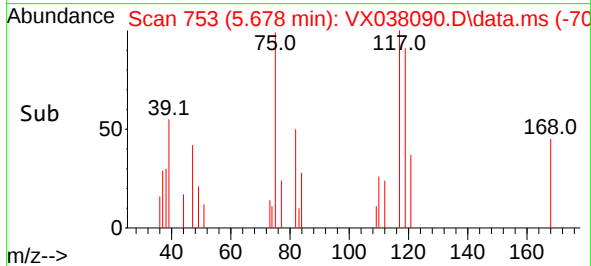
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001



Tgt Ion: 117 Resp: 2330  
Ion Ratio Lower Upper  
117 100  
119 84.6 78.2 117.2  
121 29.7 24.4 36.6

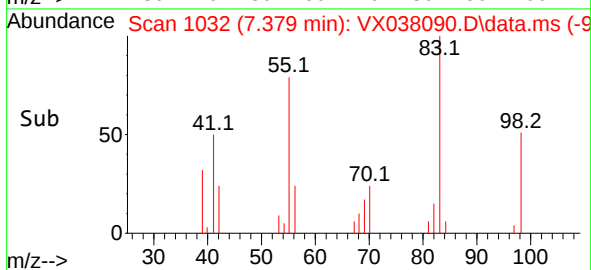
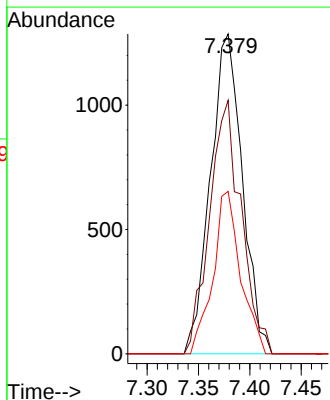
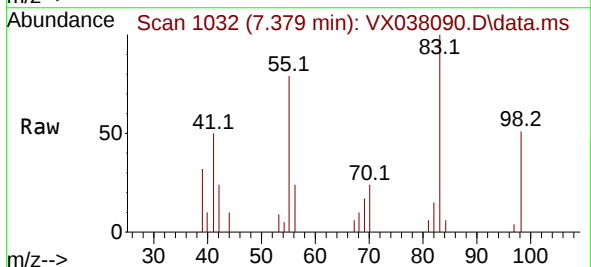
Manual Integrations  
APPROVED

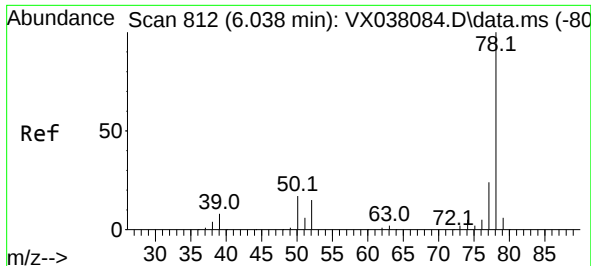
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#39  
Methylcyclohexane  
Concen: 1.022 ug/l  
RT: 7.379 min Scan# 1032  
Delta R.T. -0.006 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

Tgt Ion: 83 Resp: 2779  
Ion Ratio Lower Upper  
83 100  
55 79.2 64.6 97.0  
98 50.8 36.7 55.1





#40

Benzene

Concen: 0.953 ug/l

RT: 6.031 min Scan# 812

Delta R.T. -0.006 min

Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 619

Ion Ratio Lower Upper

78 100

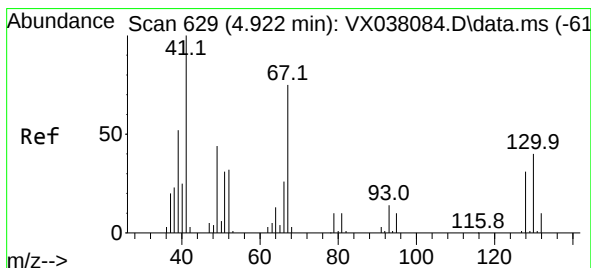
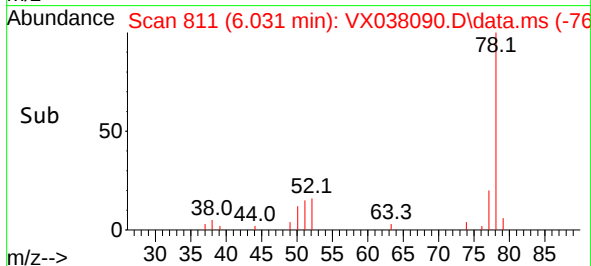
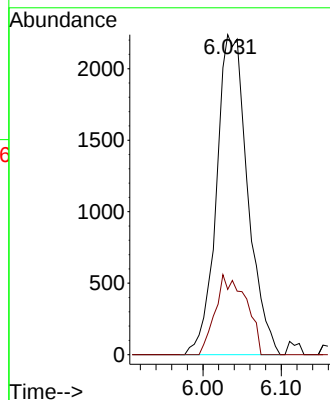
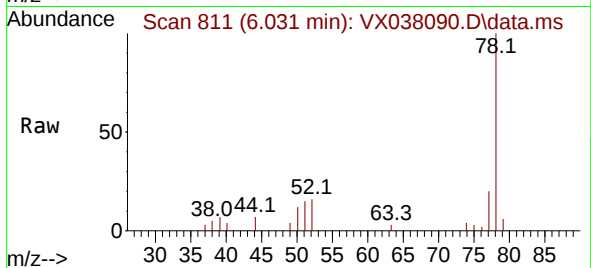
77 20.4 19.3 28.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/05/2023

Supervised By :Mahesh Dadoda 10/06/2023



#41

Methacrylonitrile

Concen: 1.012 ug/l

RT: 4.934 min Scan# 631

Delta R.T. 0.012 min

Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

Tgt Ion: 41 Resp: 1388

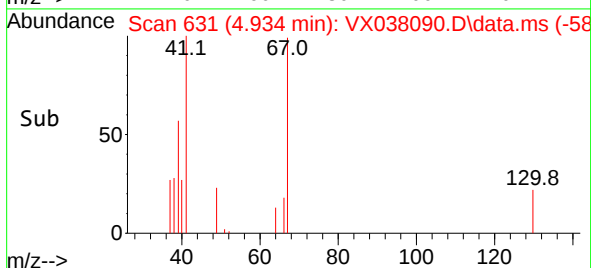
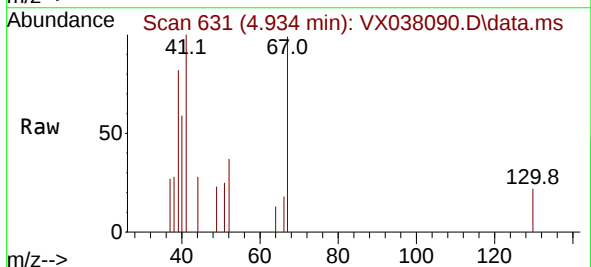
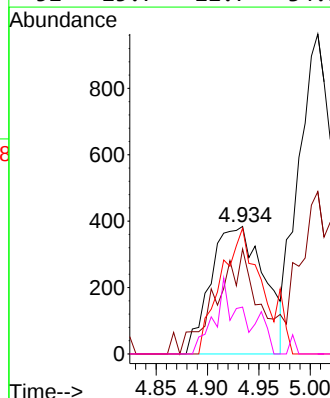
Ion Ratio Lower Upper

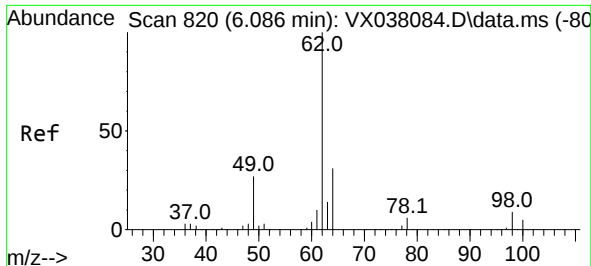
41 100

39 64.2 45.2 67.8

67 78.2 52.6 78.8

52 25.7 22.7 34.1





#42

1,2-Dichloroethane

Concen: 1.010 ug/l

RT: 6.086 min Scan# 81

Delta R.T. 0.000 min

Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

Instrument :

MSVOA\_X

ClientSampleId :

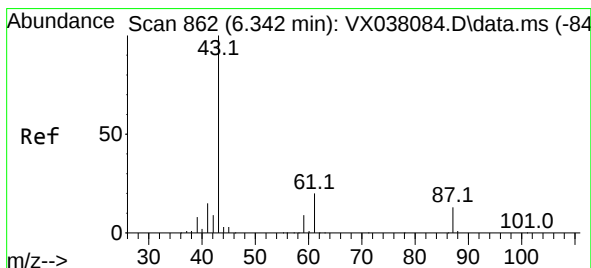
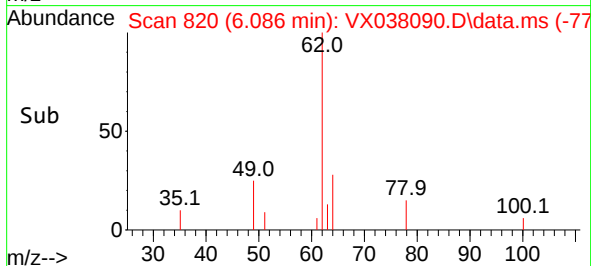
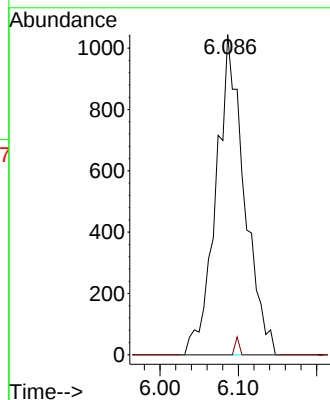
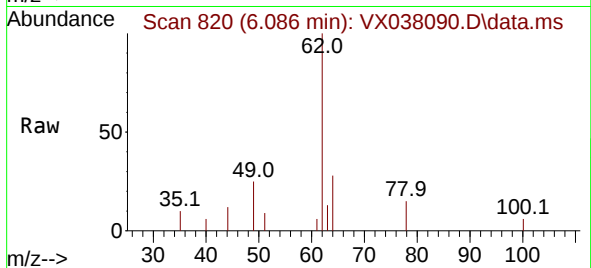
VSTDICC001

Tgt Ion: 62 Resp: 2620  
 Ion Ratio Lower Upper  
 62 100  
 98 0.8 0.0 16.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/05/2023  
 Supervised By :Mahesh Dadoda 10/06/2023



#43

Isopropyl Acetate

Concen: 0.917 ug/l

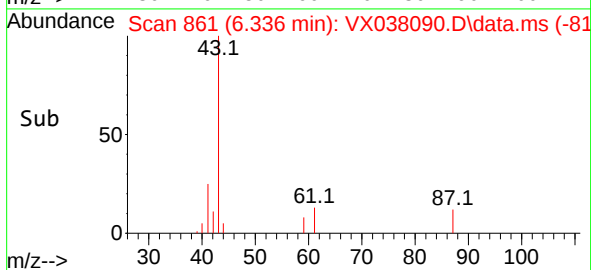
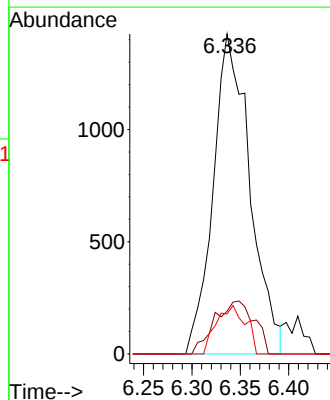
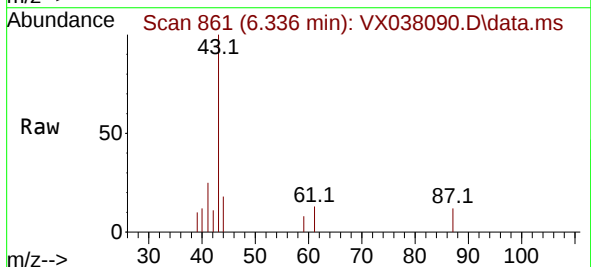
RT: 6.336 min Scan# 861

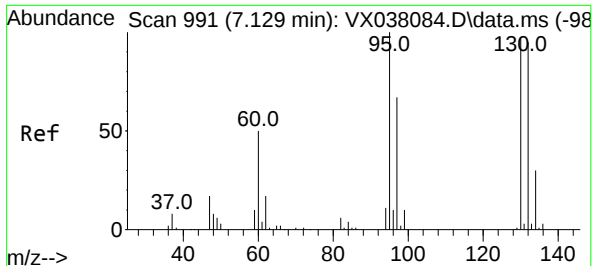
Delta R.T. -0.006 min

Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

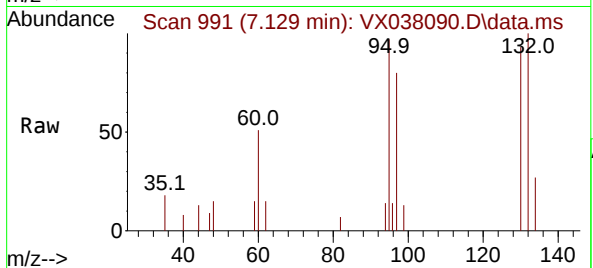
Tgt Ion: 43 Resp: 3774  
 Ion Ratio Lower Upper  
 43 100  
 61 17.8 15.2 22.8  
 87 12.0 9.8 14.6





#44  
Trichloroethene  
Concen: 0.910 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

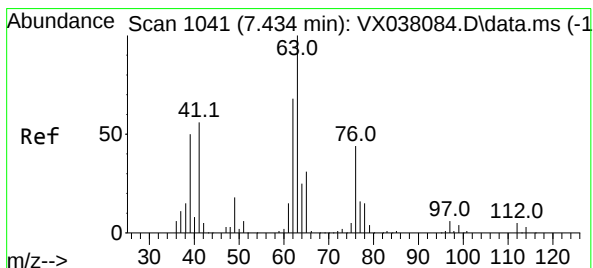
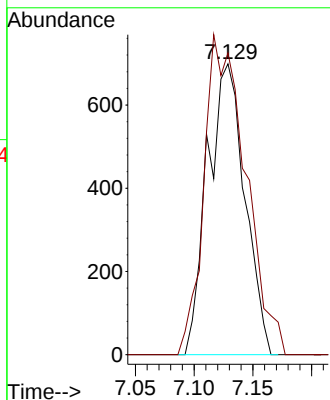
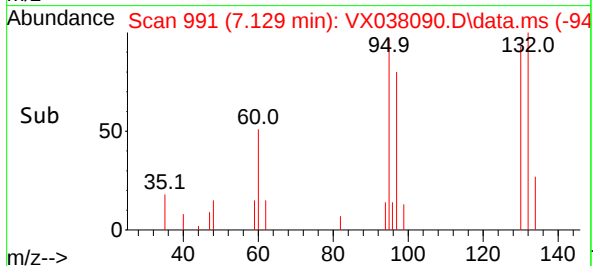
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001



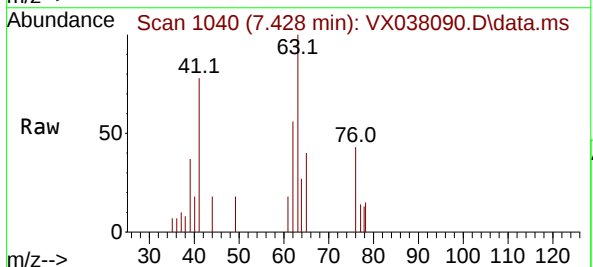
Tgt Ion:130 Resp: 1540  
Ion Ratio Lower Upper  
130 100  
95 103.7 0.0 204.4

Manual Integrations  
APPROVED

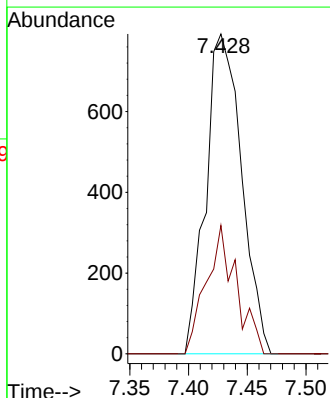
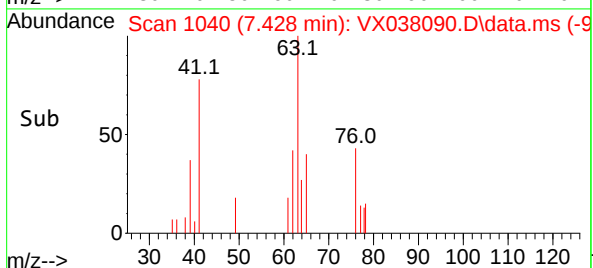
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023

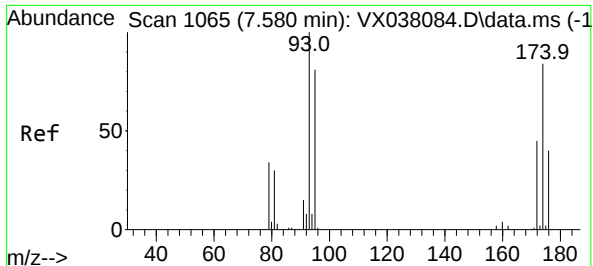


#45  
1,2-Dichloropropane  
Concen: 0.995 ug/l  
RT: 7.428 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35



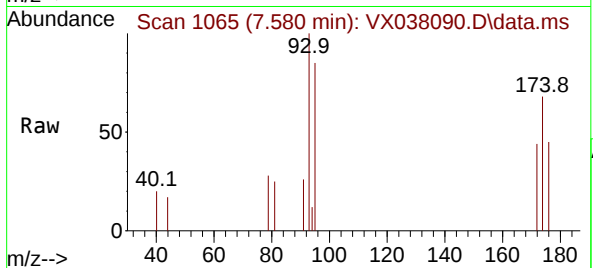
Tgt Ion: 63 Resp: 1673  
Ion Ratio Lower Upper  
63 100  
65 40.2 24.3 36.5#





#46  
Dibromomethane  
Concen: 1.027 ug/l  
RT: 7.580 min Scan# 1104  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

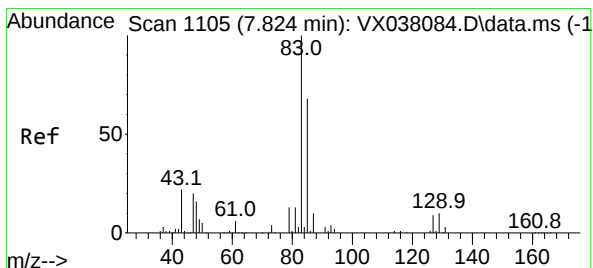
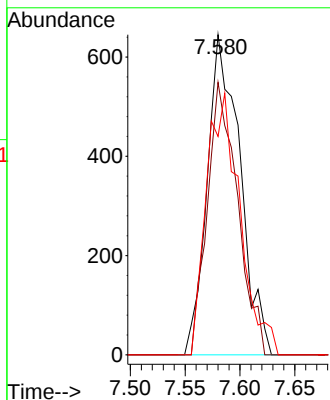
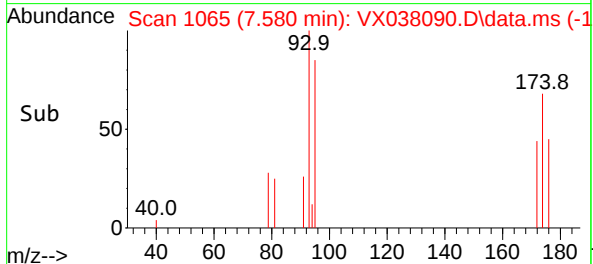
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001



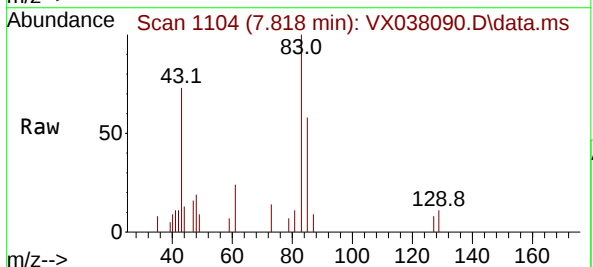
Tgt Ion: 93 Resp: 1339  
Ion Ratio Lower Upper  
93 100  
95 78.5 66.6 100.0  
174 83.9 69.4 104.0

Manual Integrations  
APPROVED

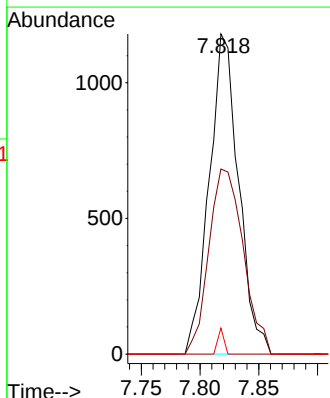
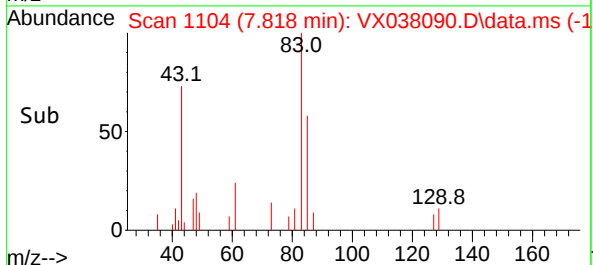
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023

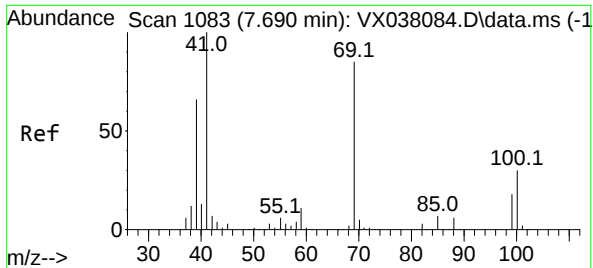


#47  
Bromodichloromethane  
Concen: 0.884 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. -0.006 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35



Tgt Ion: 83 Resp: 2051  
Ion Ratio Lower Upper  
83 100  
85 57.8 49.8 74.6  
127 8.1 7.1 10.7





#48

Methyl methacrylate

Concen: 0.936 ug/l

RT: 7.696 min Scan# 1083

Delta R.T. 0.006 min

Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 41 Resp: 1839

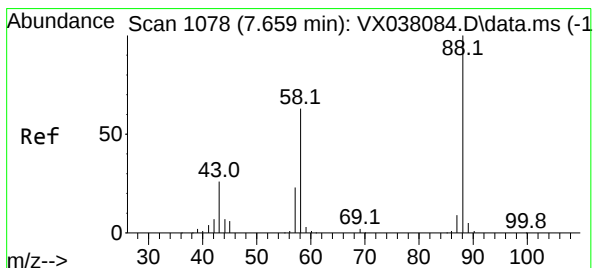
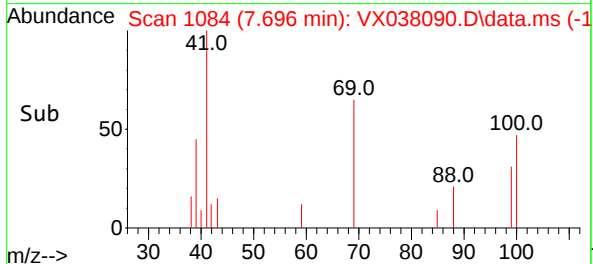
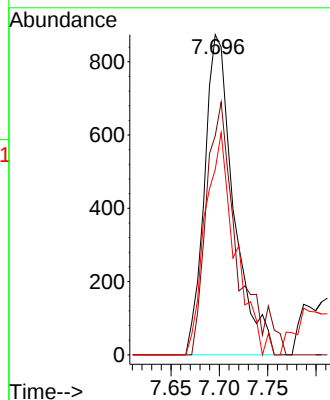
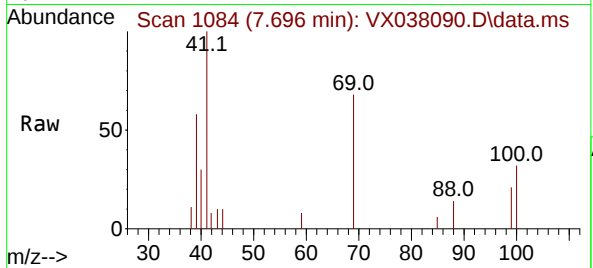
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 69  | 82.6  | 59.2  | 88.8  |
| 39  | 71.2  | 47.7  | 71.5  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/05/2023

Supervised By :Mahesh Dadoda 10/06/2023



#49

1,4-Dioxane

Concen: 18.500 ug/l

RT: 7.671 min Scan# 1080

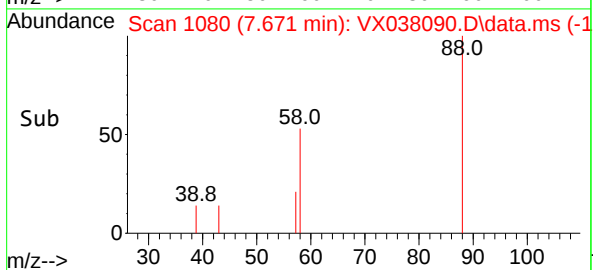
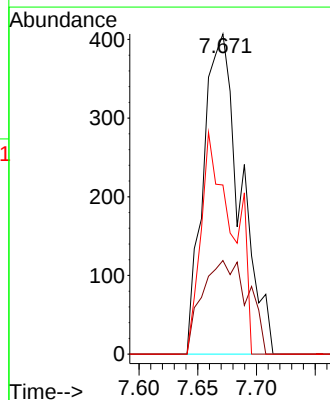
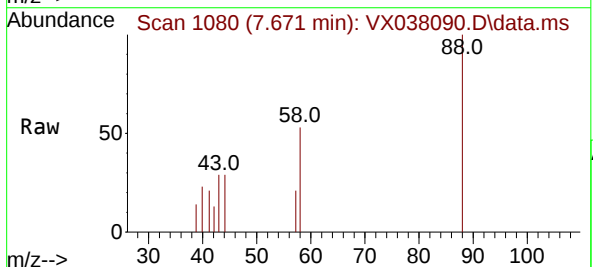
Delta R.T. 0.012 min

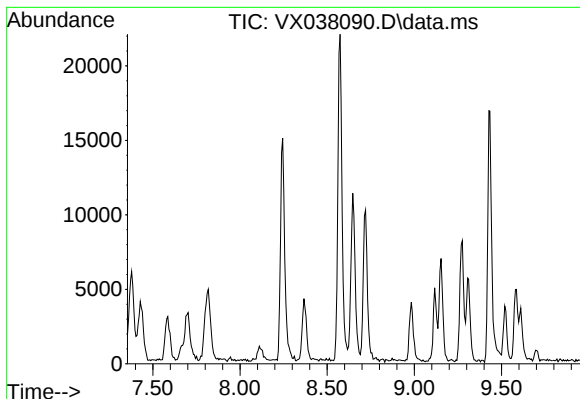
Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

Tgt Ion: 88 Resp: 896

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 35.9  | 0.0   | 0.0#  |
| 58  | 58.9  | 60.1  | 90.1# |





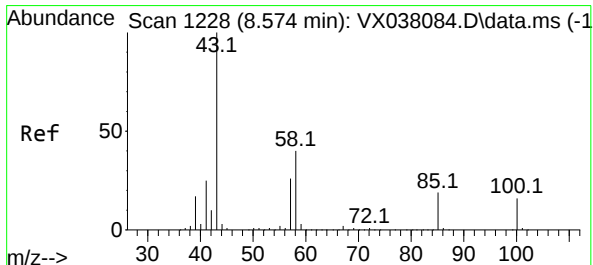
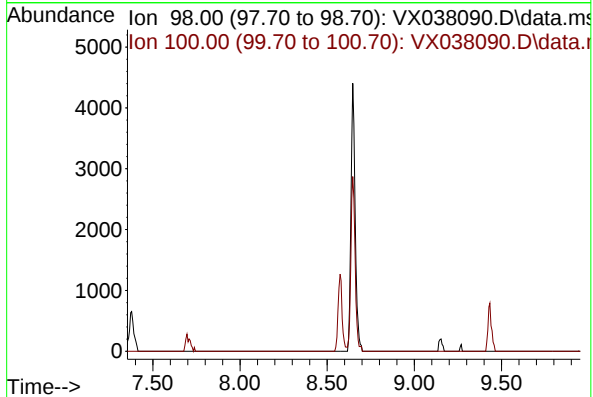
#50  
Toluene-d8  
Concen: 0.000 ug/l  
Expected RT: 8.65 min  
  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

Tgt Ion: 98  
Sig Exp Ratio  
98 100  
100 66.4

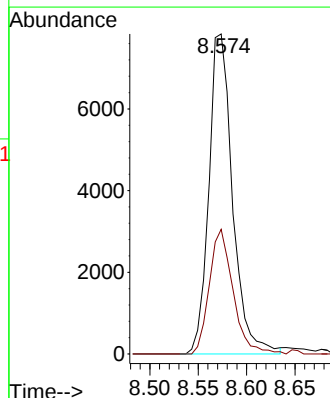
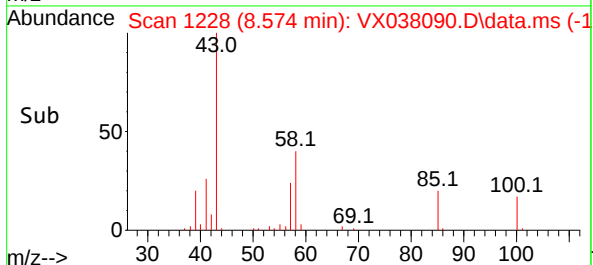
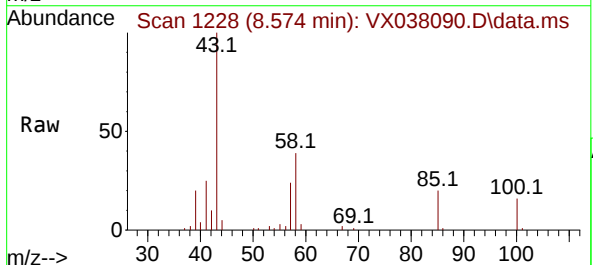
Manual Integrations  
APPROVED

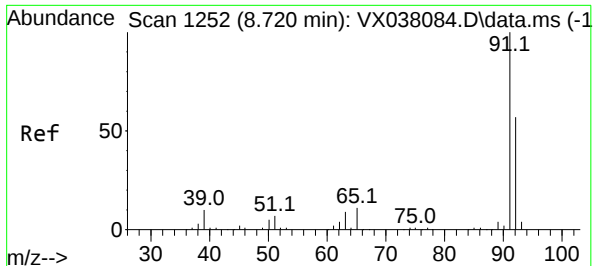
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#51  
4-Methyl-2-Pentanone  
Concen: 4.719 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

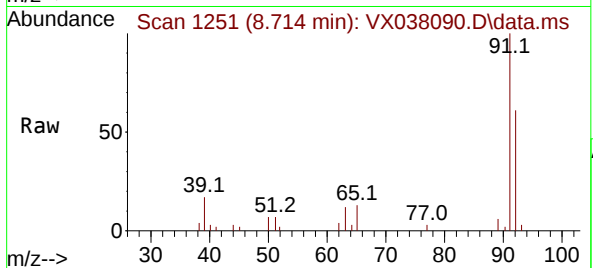
Tgt Ion: 43 Resp: 13402  
Ion Ratio Lower Upper  
43 100  
58 38.9 30.4 45.6





#52  
Toluene  
Concen: 0.917 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.006 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

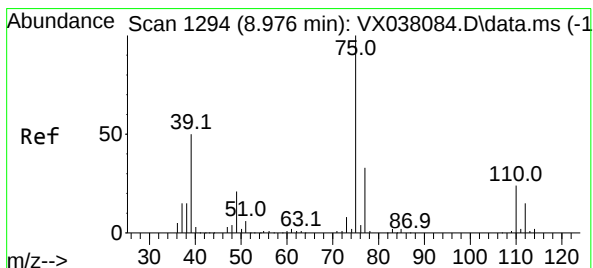
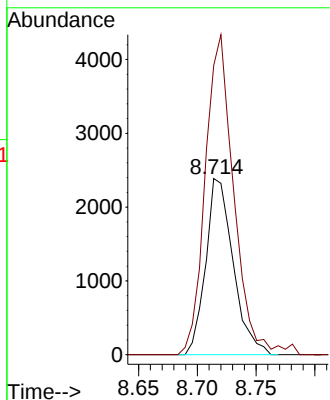
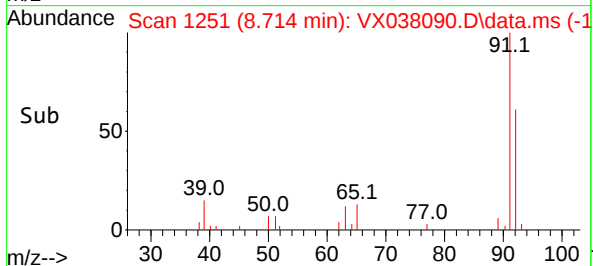
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001



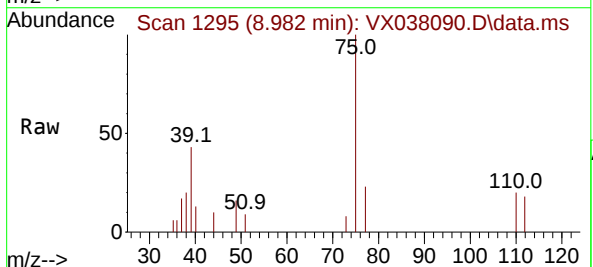
Tgt Ion: 92 Resp: 388  
Ion Ratio Lower Upper  
92 100  
91 189.5 134.2 201.2

Manual Integrations  
APPROVED

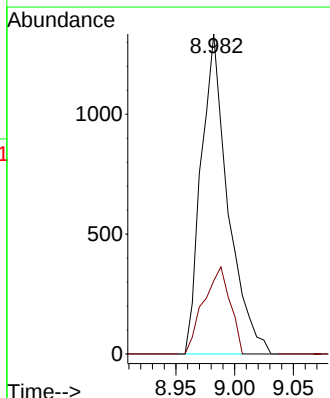
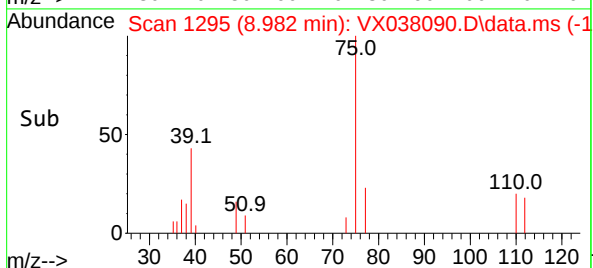
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023

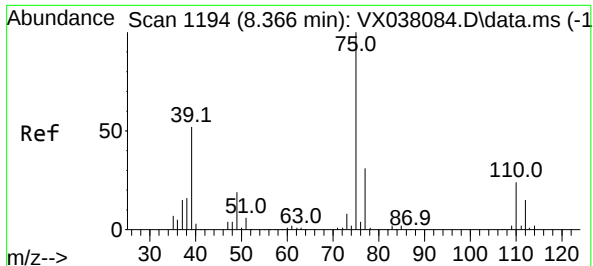


#53  
t-1,3-Dichloropropene  
Concen: 0.850 ug/l  
RT: 8.982 min Scan# 1295  
Delta R.T. 0.006 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35



Tgt Ion: 75 Resp: 2117  
Ion Ratio Lower Upper  
75 100  
77 22.8 25.7 38.5#





#54  
 cis-1,3-Dichloropropene  
 Concen: 0.853 ug/l  
 RT: 8.366 min Scan# 1194  
 Delta R.T. 0.000 min  
 Lab File: VX038090.D  
 Acq: 05 Oct 2023 09:35

Instrument :

MSVOA\_X

ClientSampleId :

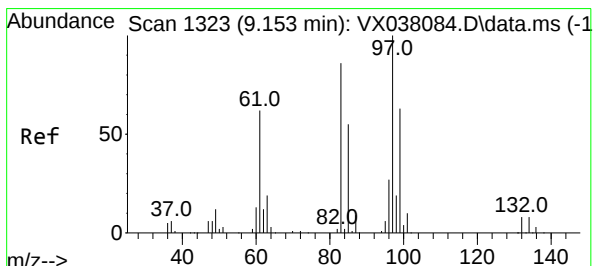
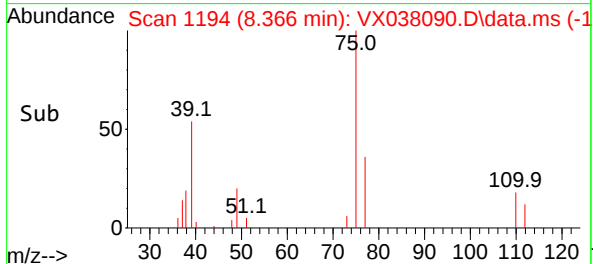
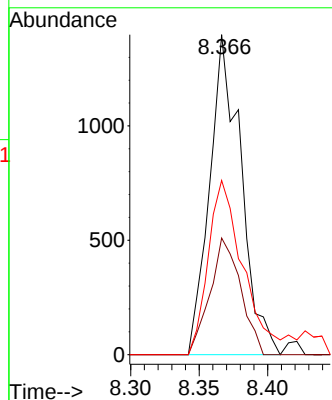
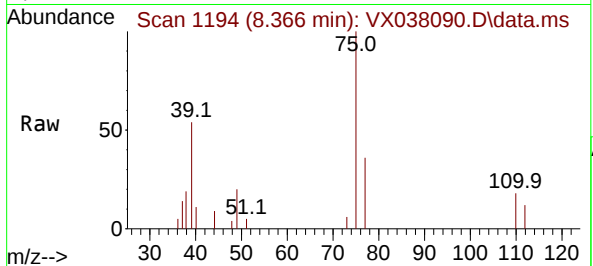
VSTDIC001

Tgt Ion: 75 Resp: 2230  
 Ion Ratio Lower Upper  
 75 100  
 77 36.5 25.3 37.9  
 39 54.5 46.7 70.1

Manual Integrations

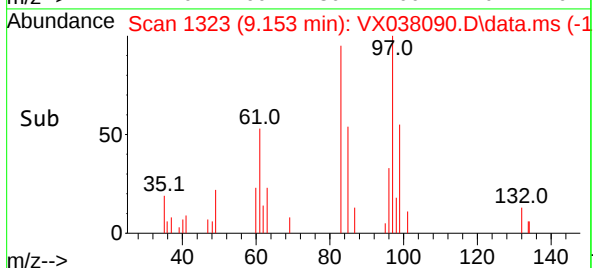
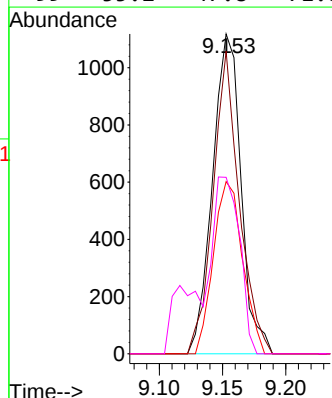
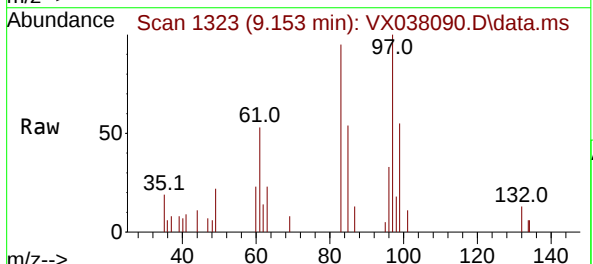
APPROVED

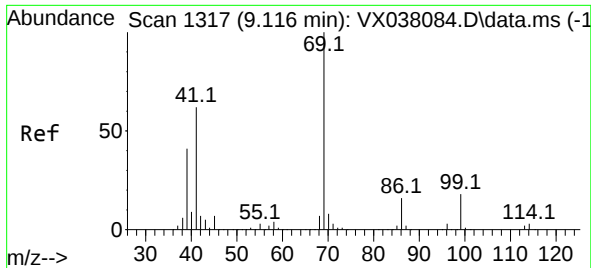
Reviewed By :John Carlone 10/05/2023  
 Supervised By :Mahesh Dadoda 10/06/2023



#55  
 1,1,2-Trichloroethane  
 Concen: 0.965 ug/l  
 RT: 9.153 min Scan# 1323  
 Delta R.T. -0.000 min  
 Lab File: VX038090.D  
 Acq: 05 Oct 2023 09:35

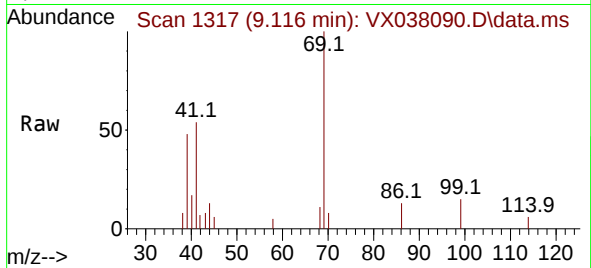
Tgt Ion: 97 Resp: 1746  
 Ion Ratio Lower Upper  
 97 100  
 83 94.6 65.8 98.8  
 85 53.8 41.6 62.4  
 99 55.2 47.8 71.8





#56  
Ethyl methacrylate  
Concen: 0.888 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

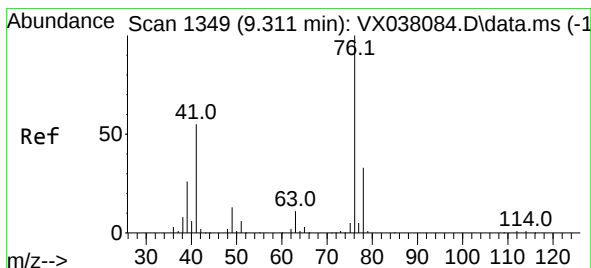
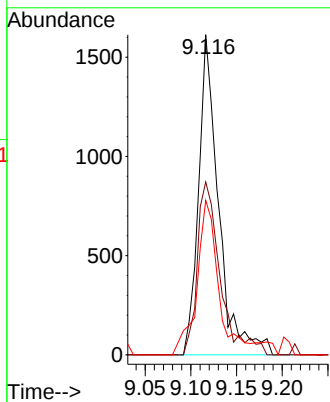
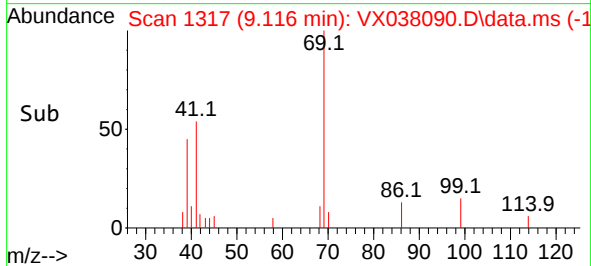
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001



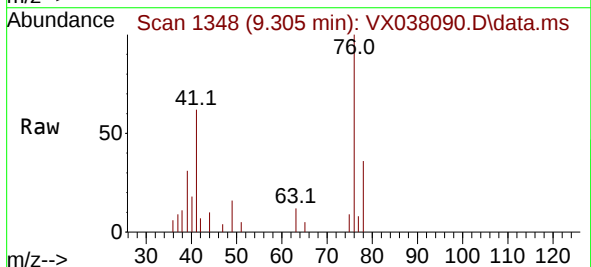
Tgt Ion: 69 Resp: 2464  
Ion Ratio Lower Upper  
69 100  
41 61.6 56.8 85.2  
39 51.9 32.0 48.0

Manual Integrations  
APPROVED

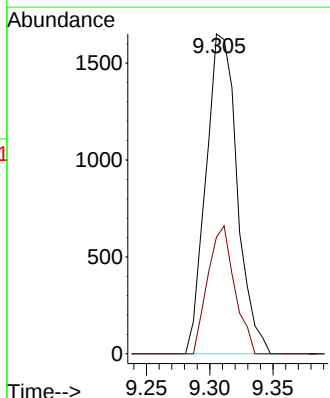
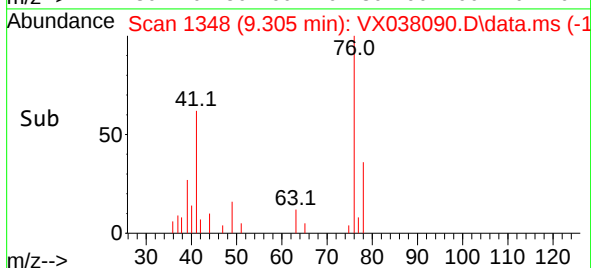
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023

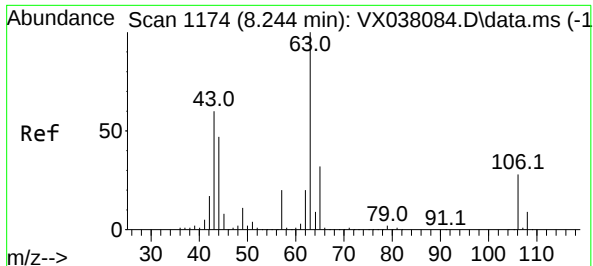


#57  
1,3-Dichloropropane  
Concen: 0.968 ug/l  
RT: 9.305 min Scan# 1348  
Delta R.T. -0.006 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35



Tgt Ion: 76 Resp: 2832  
Ion Ratio Lower Upper  
76 100  
78 34.3 26.1 39.1





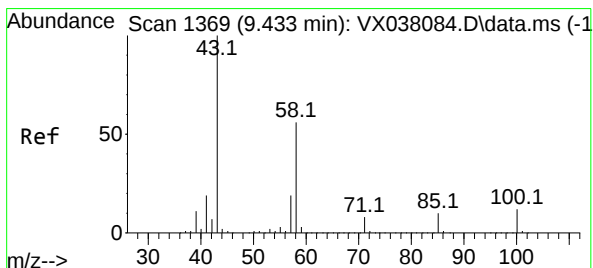
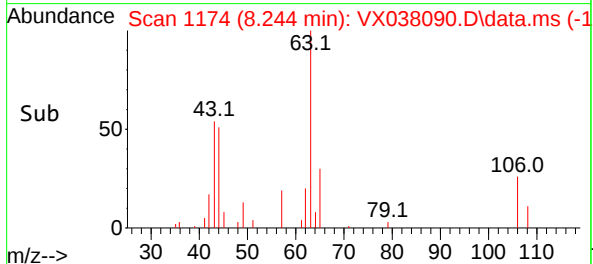
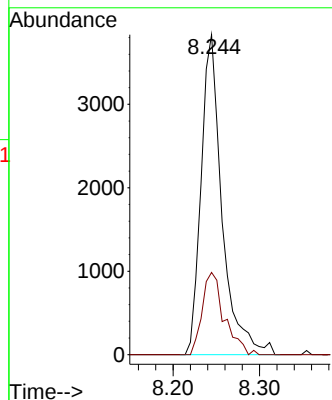
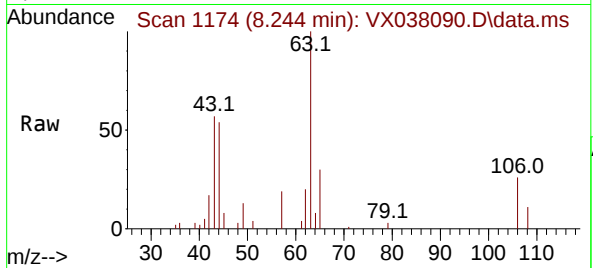
#58  
2-Chloroethyl Vinyl ether  
Concen: 4.725 ug/l  
RT: 8.244 min Scan# 1174  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

Tgt Ion: 63 Resp: 643  
Ion Ratio Lower Upper  
63 100  
106 27.1 22.5 33.7

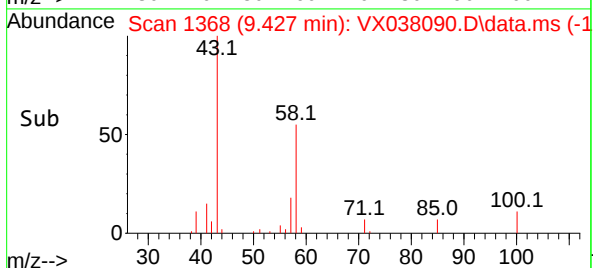
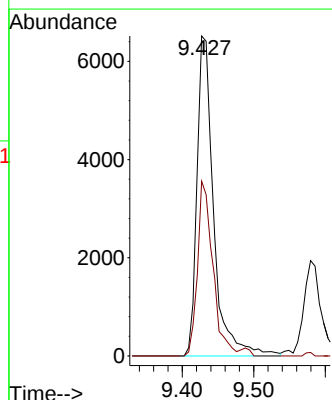
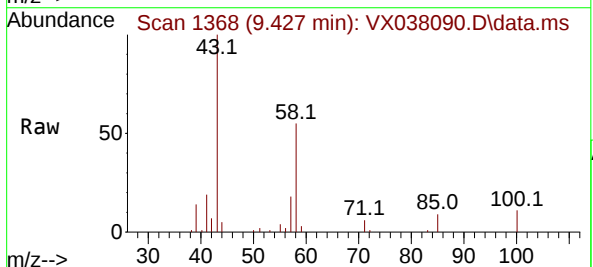
Manual Integrations  
APPROVED

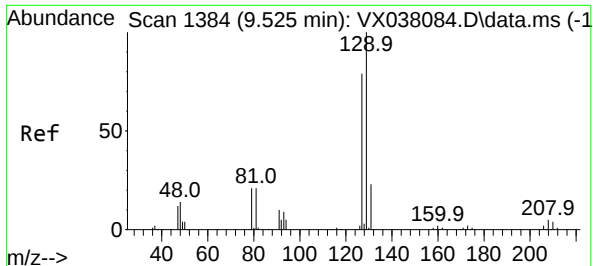
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#59  
2-Hexanone  
Concen: 4.617 ug/l  
RT: 9.427 min Scan# 1368  
Delta R.T. -0.006 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

Tgt Ion: 43 Resp: 10541  
Ion Ratio Lower Upper  
43 100  
58 50.1 26.2 78.5





#60

Dibromochloromethane

Concen: 0.800 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion:129 Resp: 1410

Ion Ratio Lower Upper

129 100

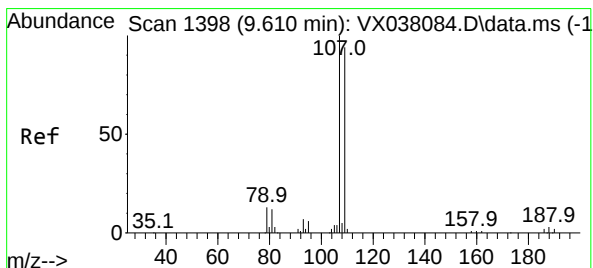
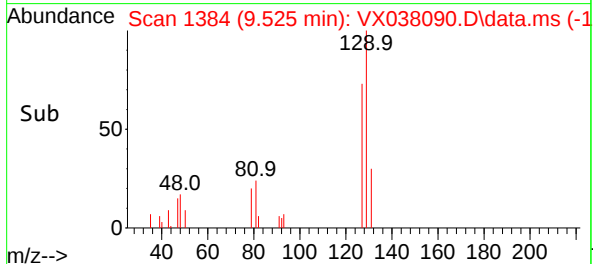
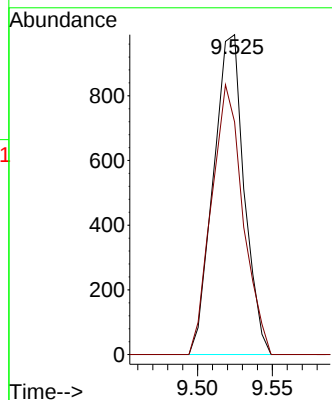
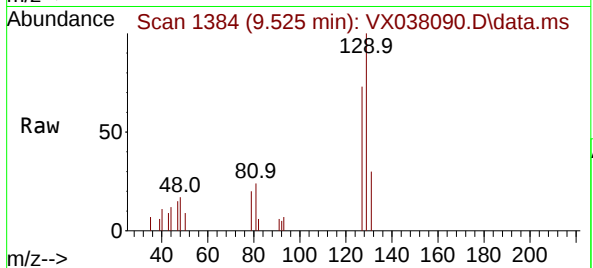
127 86.1 38.8 116.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/05/2023

Supervised By :Mahesh Dadoda 10/06/2023



#61

1,2-Dibromoethane

Concen: 0.898 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX038090.D

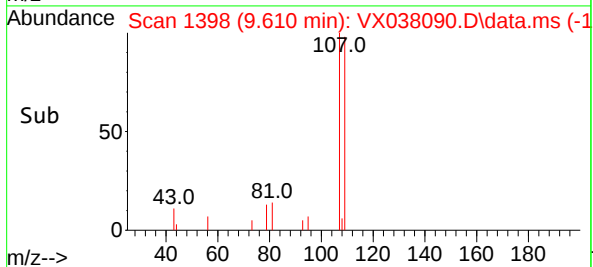
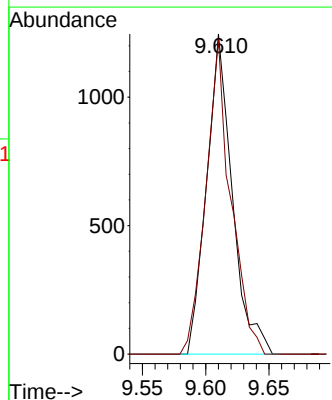
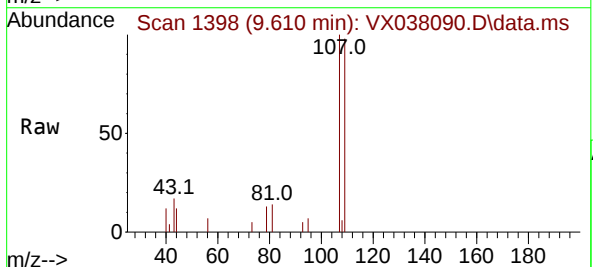
Acq: 05 Oct 2023 09:35

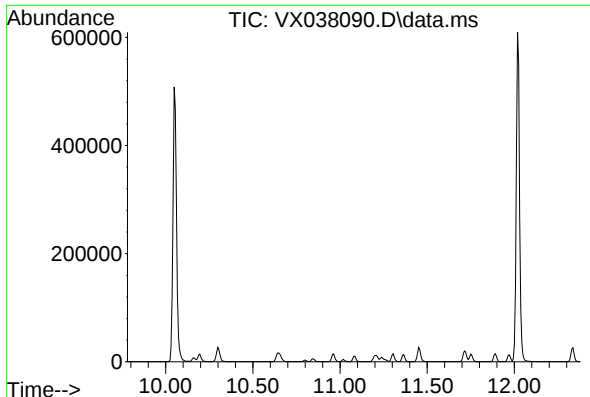
Tgt Ion:107 Resp: 1757

Ion Ratio Lower Upper

107 100

109 95.7 75.2 112.8





#62  
4-Bromofluorobenzene  
Concen: 0.000 ug/l  
Expected RT: 11.08 min

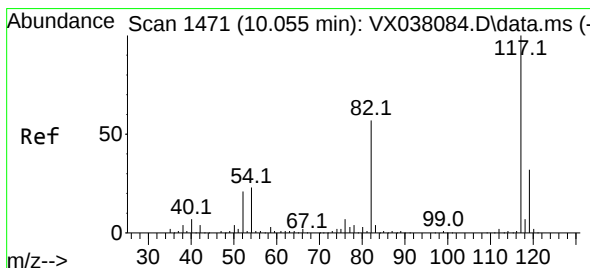
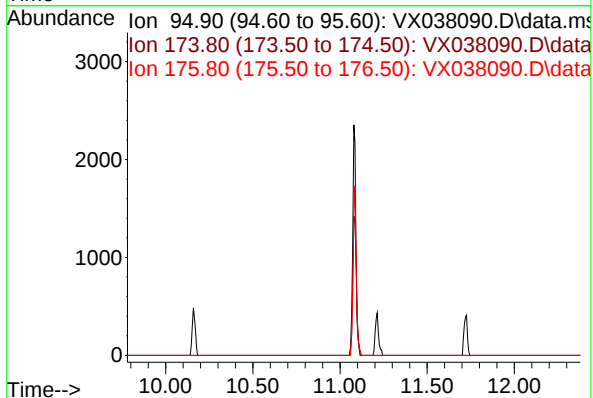
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

Tgt Ion: 95  
Sig Exp Ratio  
95 100  
174 67.8  
176 65.5

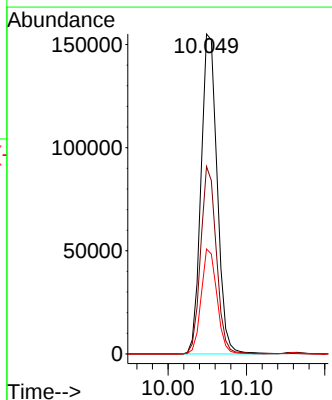
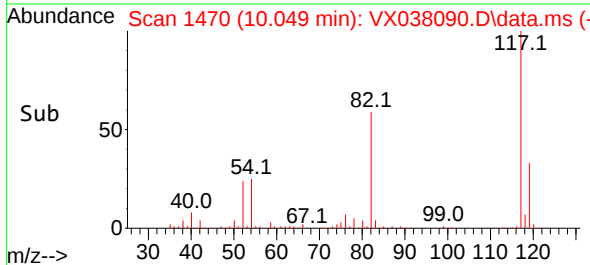
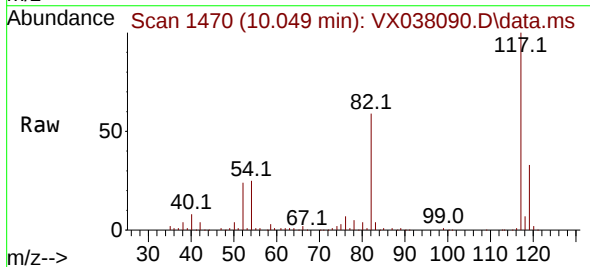
Manual Integrations  
APPROVED

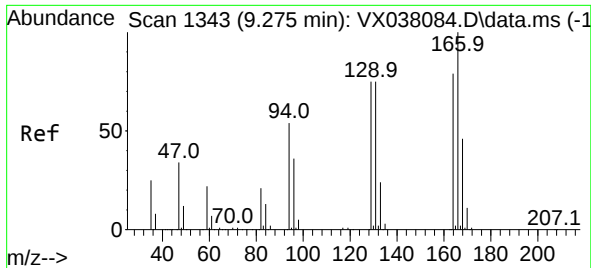
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.006 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

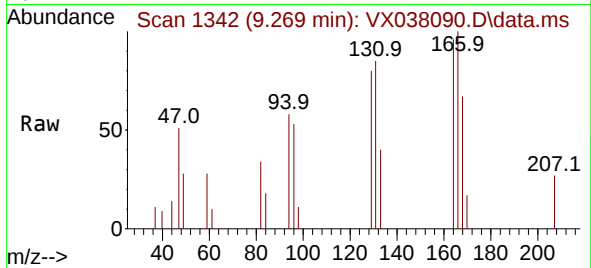
Tgt Ion:117 Resp: 221947  
Ion Ratio Lower Upper  
117 100  
82 58.6 46.2 69.4  
119 32.8 25.5 38.3





#64  
Tetrachloroethene  
Concen: 0.976 ug/l  
RT: 9.269 min Scan# 1342  
Delta R.T. -0.006 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

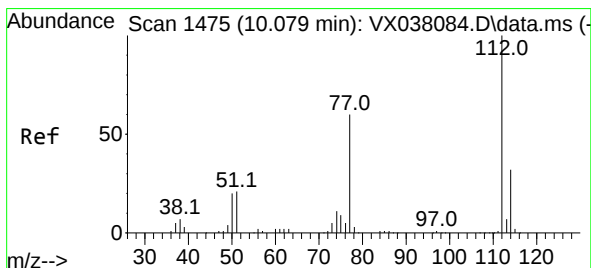
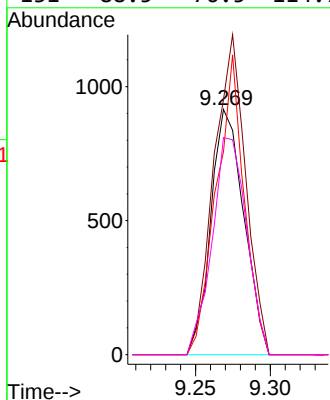
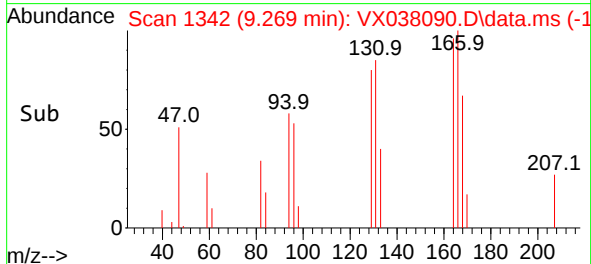
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001



Tgt Ion:164 Resp: 140  
Ion Ratio Lower Upper  
164 100  
166 103.9 102.7 154.1  
129 82.7 80.4 120.6  
131 88.5 76.5 114.7

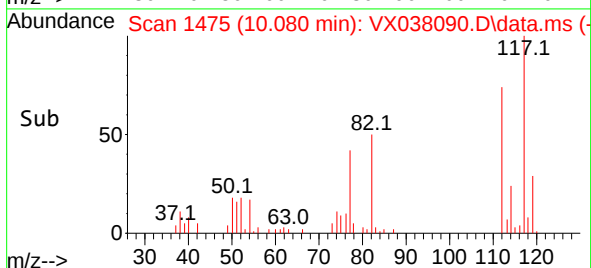
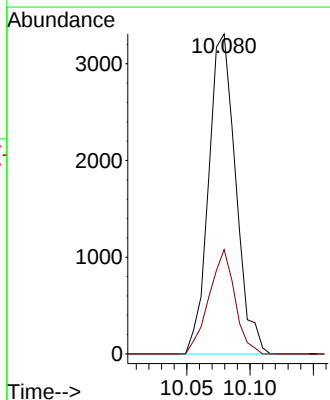
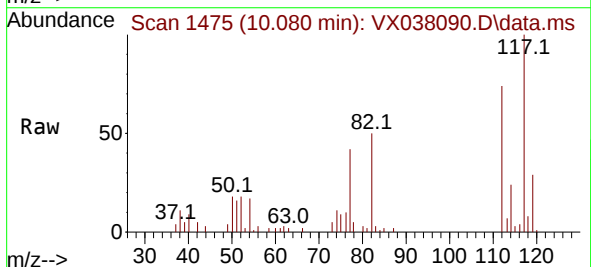
Manual Integrations  
APPROVED

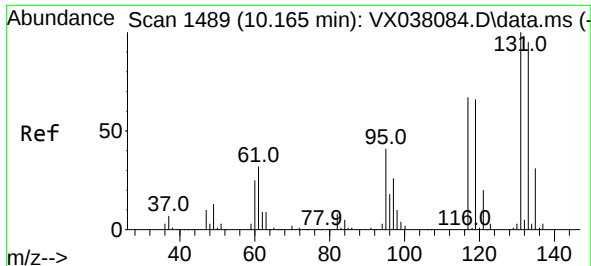
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#65  
Chlorobenzene  
Concen: 1.062 ug/l  
RT: 10.080 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

Tgt Ion:112 Resp: 4933  
Ion Ratio Lower Upper  
112 100  
114 32.6 25.7 38.5





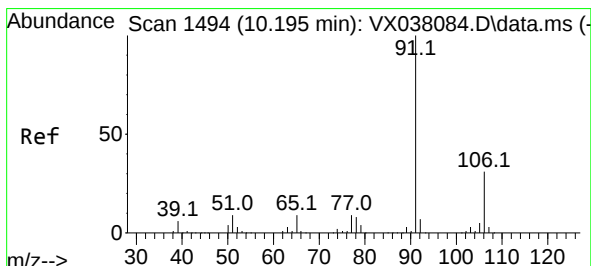
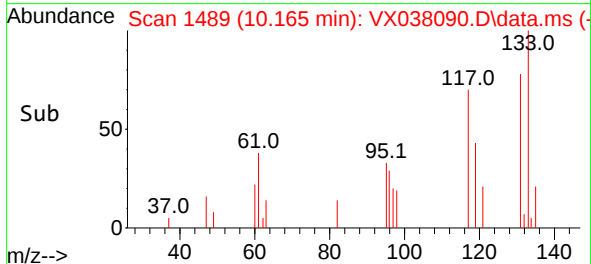
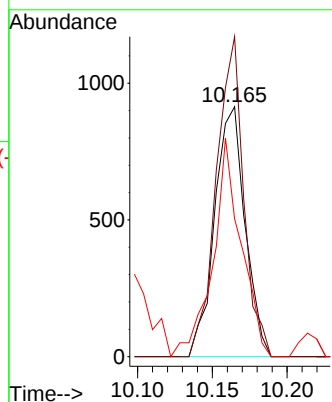
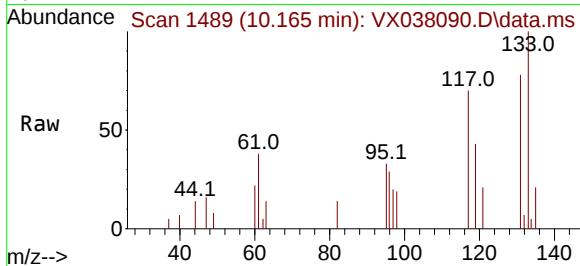
#66  
1,1,1,2-Tetrachloroethane  
Concen: 0.826 ug/l  
RT: 10.165 min Scan# 1489  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

Tgt Ion:131 Resp: 129  
Ion Ratio Lower Upper  
131 100  
133 114.3 47.1 141.4  
119 0.0 32.2 96.6

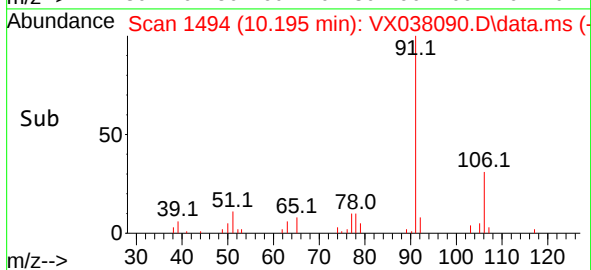
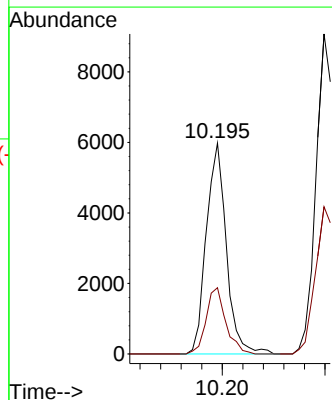
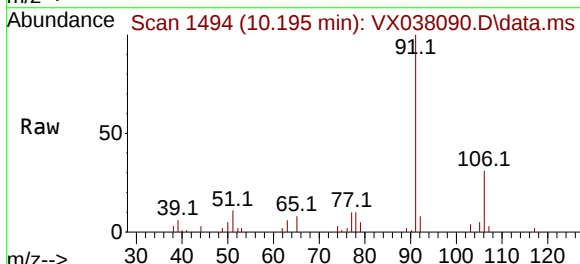
Manual Integrations  
APPROVED

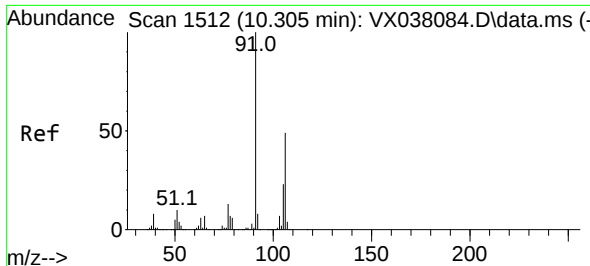
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#67  
Ethyl Benzene  
Concen: 0.980 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

Tgt Ion: 91 Resp: 8126  
Ion Ratio Lower Upper  
91 100  
106 31.4 24.9 37.3





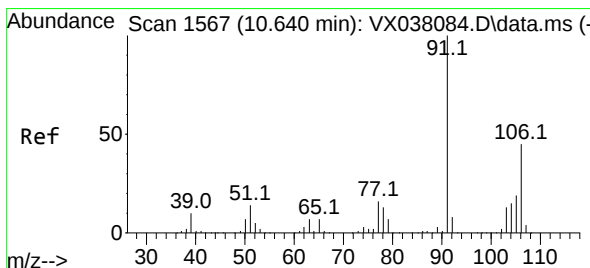
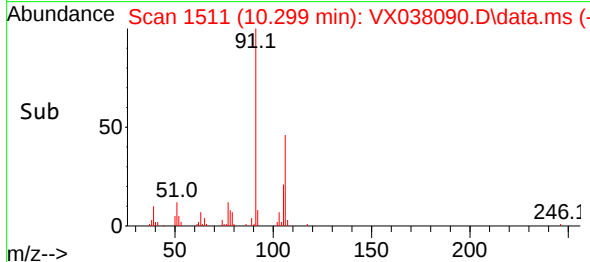
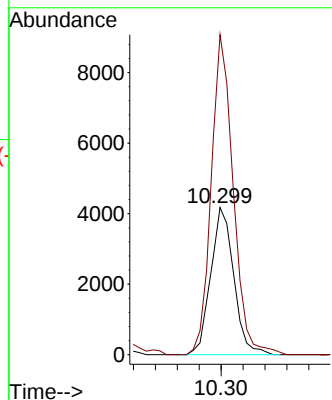
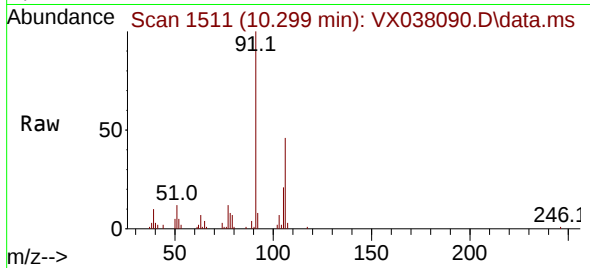
#68  
m/p-Xylenes  
Concen: 1.901 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.006 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

Tgt Ion:106 Resp: 609  
Ion Ratio Lower Upper  
106 100  
91 207.5 165.5 248.3

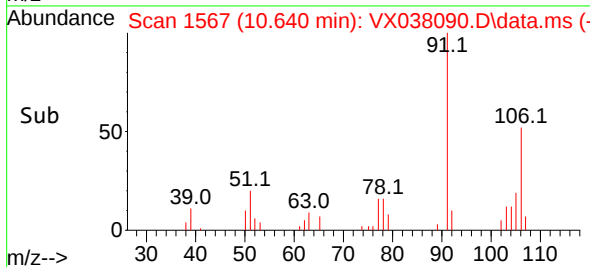
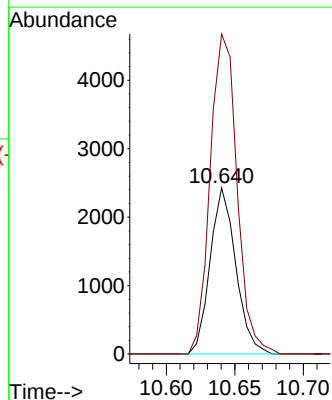
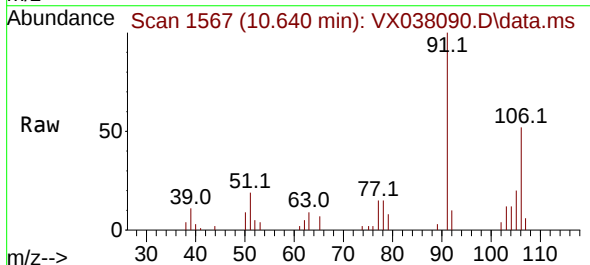
Manual Integrations  
APPROVED

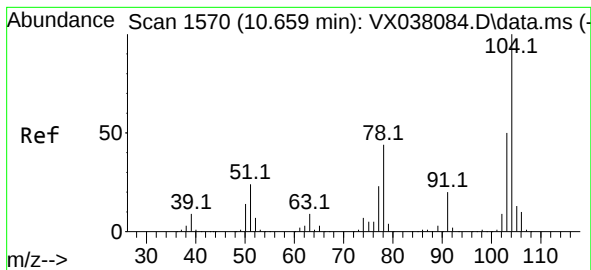
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#69  
o-Xylene  
Concen: 1.011 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

Tgt Ion:106 Resp: 3163  
Ion Ratio Lower Upper  
106 100  
91 201.4 108.9 326.8





#70

Styrene

Concen: 0.874 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. 0.000 min

Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

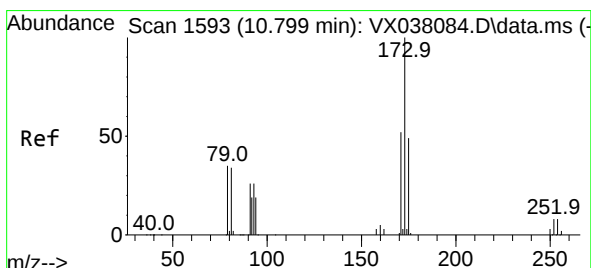
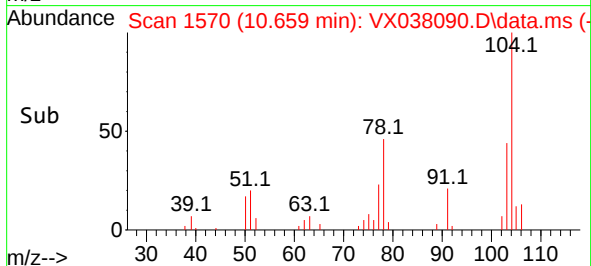
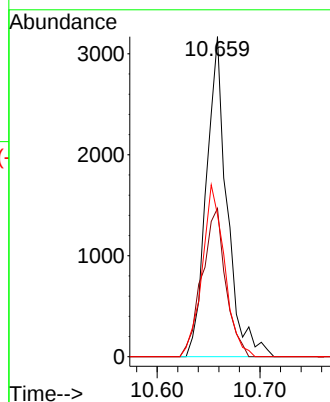
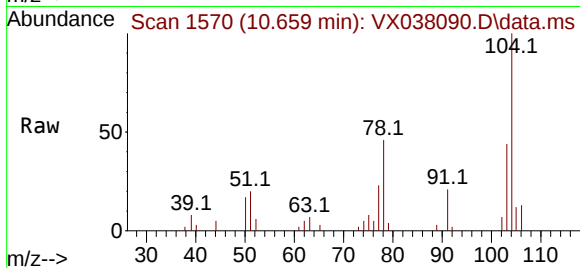
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:104 | Resp: | 445       |
| Ion Ratio   | Lower | Upper     |
| 104         | 100   |           |
| 78          | 52.8  | 43.6 65.4 |
| 103         | 57.8  | 43.6 65.4 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/05/2023

Supervised By :Mahesh Dadoda 10/06/2023



#71

Bromoform

Concen: 3.576 ug/l

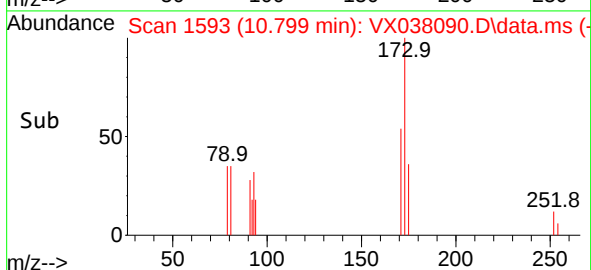
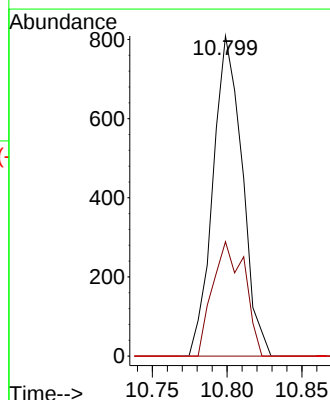
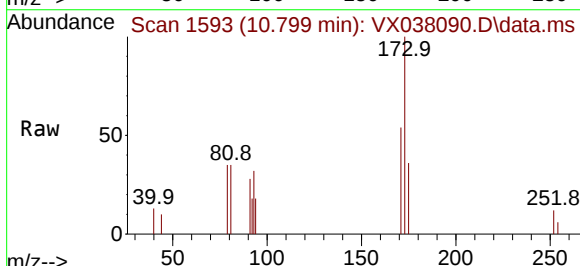
RT: 10.799 min Scan# 1593

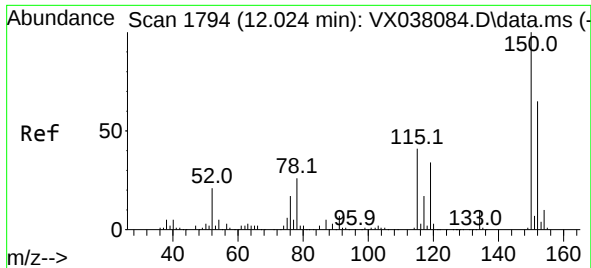
Delta R.T. -0.000 min

Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

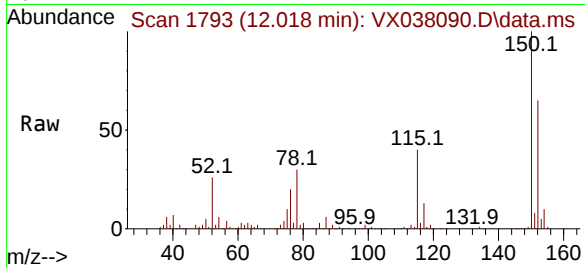
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:173 | Resp: | 1101      |
| Ion Ratio   | Lower | Upper     |
| 173         | 100   |           |
| 175         | 39.0  | 24.1 72.4 |
| 254         | 0.0   | 0.0 0.0   |





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 11727  
Delta R.T. -0.006 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

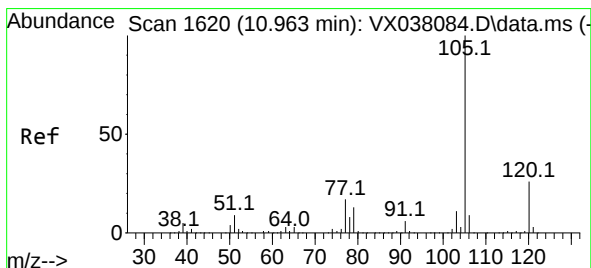
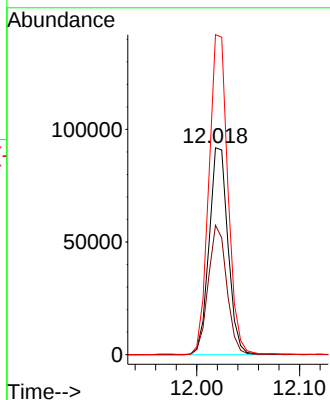
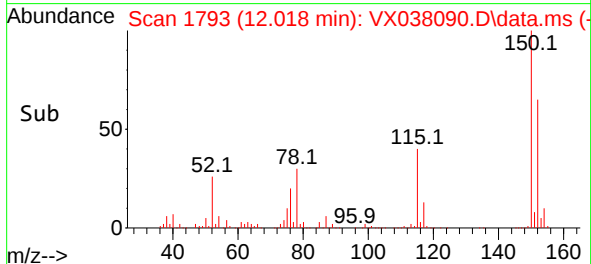
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001



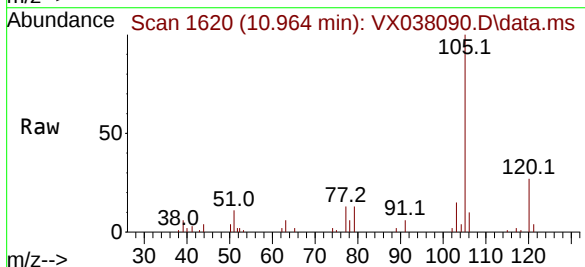
Tgt Ion:152 Resp: 11727  
Ion Ratio Lower Upper  
152 100  
115 61.5 43.3 129.9  
150 154.9 0.0 345.0

Manual Integrations  
APPROVED

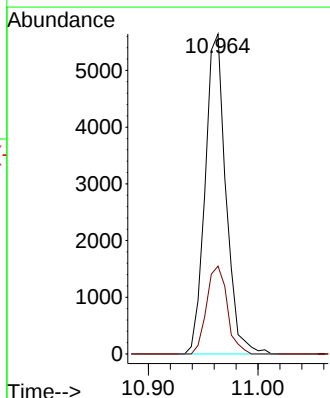
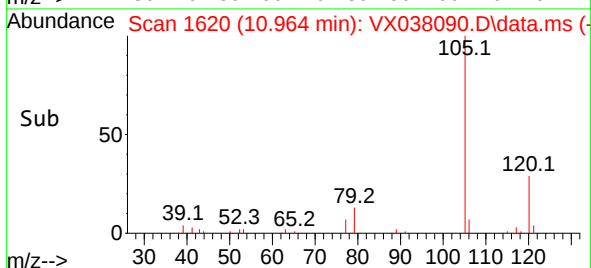
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023

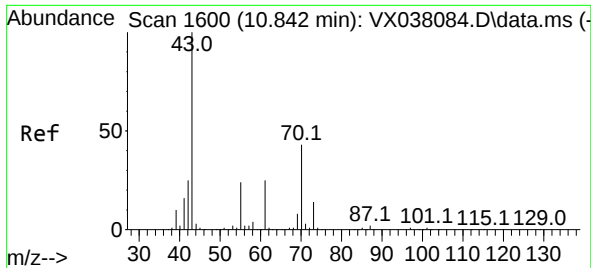


#73  
Isopropylbenzene  
Concen: 0.944 ug/l  
RT: 10.964 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35



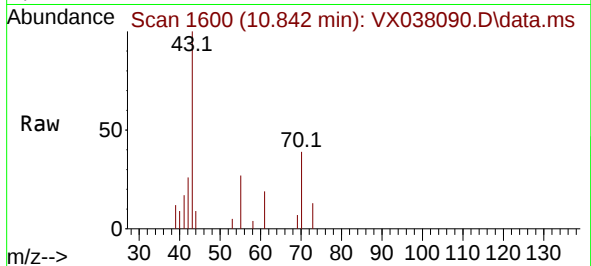
Tgt Ion:105 Resp: 7428  
Ion Ratio Lower Upper  
105 100  
120 27.3 12.9 38.6





#74  
N-amy1 acetate  
Concen: 0.803 ug/l  
RT: 10.842 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

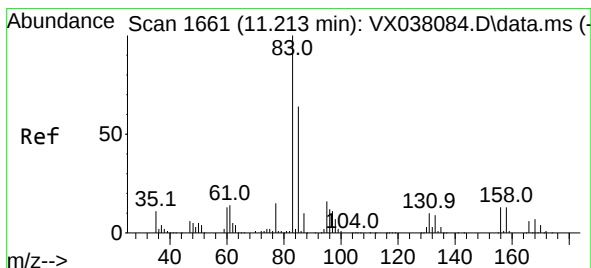
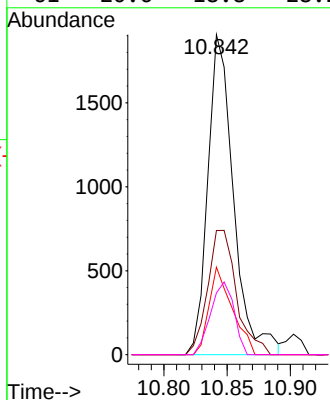
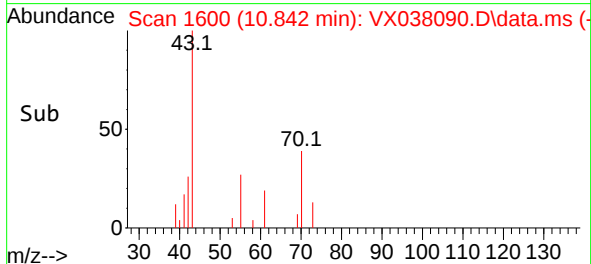
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001



|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 2690  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 70 43.7     | 32.9 49.3   |
| 55 24.7     | 19.3 28.9   |
| 61 20.6     | 18.8 28.2   |

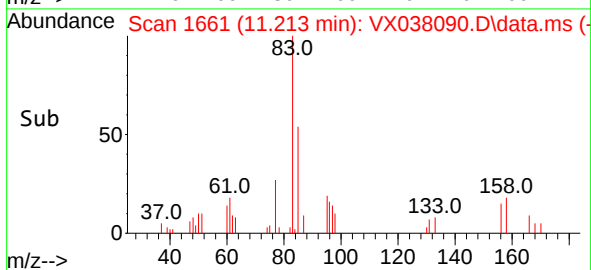
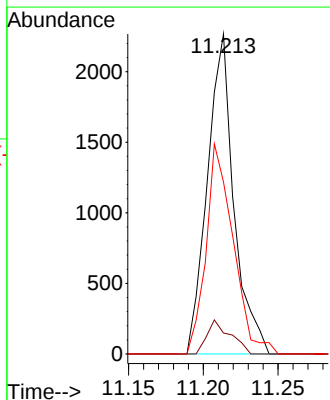
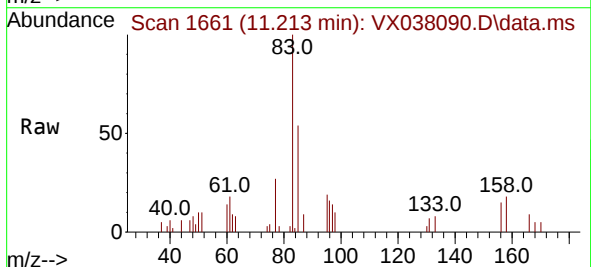
Manual Integrations  
APPROVED

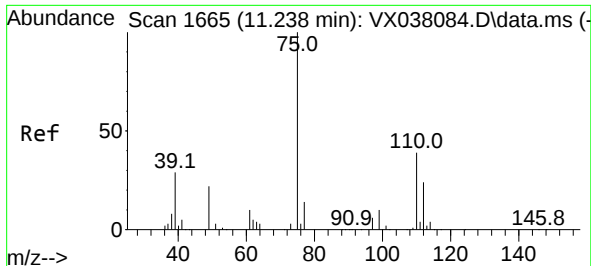
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#75  
1,1,2,2-Tetrachloroethane  
Concen: 0.968 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

|             |            |       |  |
|-------------|------------|-------|--|
| Tgt Ion: 83 | Resp: 2794 |       |  |
| Ion Ratio   | Lower      | Upper |  |
| 83 100      |            |       |  |
| 131 9.3     | 5.3        | 15.8  |  |
| 85 67.0     | 32.0       | 96.2  |  |





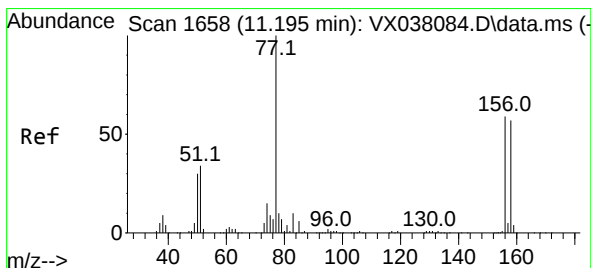
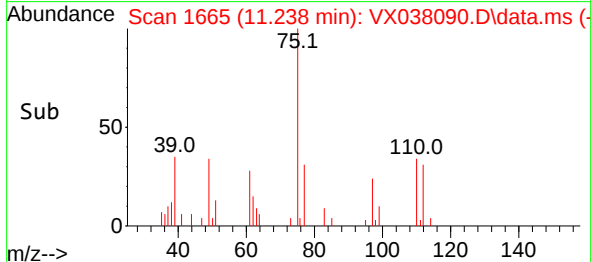
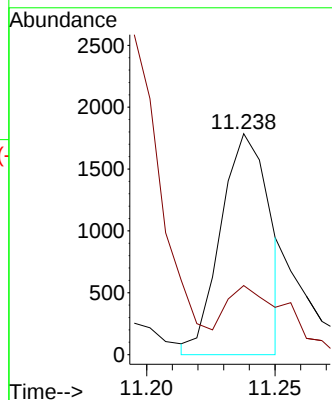
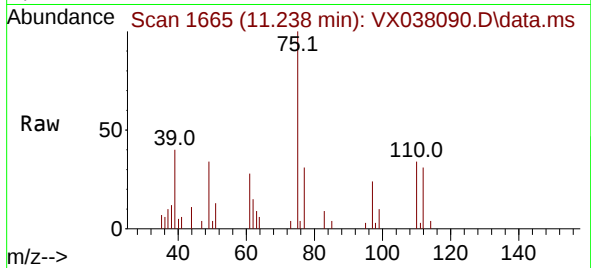
#76  
1,2,3-Trichloropropane  
Concen: 0.888 ug/l m  
RT: 11.238 min Scan# 1665  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

Tgt Ion: 75 Resp: 2368  
Ion Ratio Lower Upper  
75 100  
77 39.0 19.1 57.5

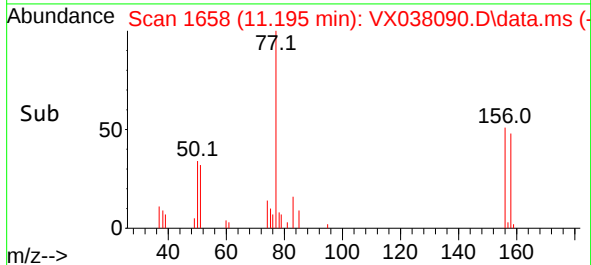
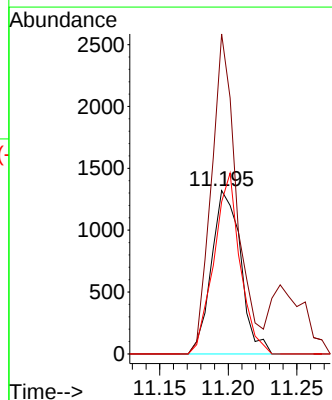
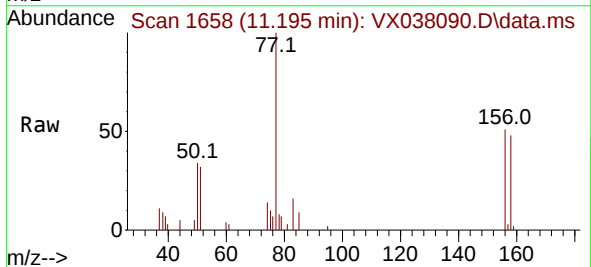
Manual Integrations  
APPROVED

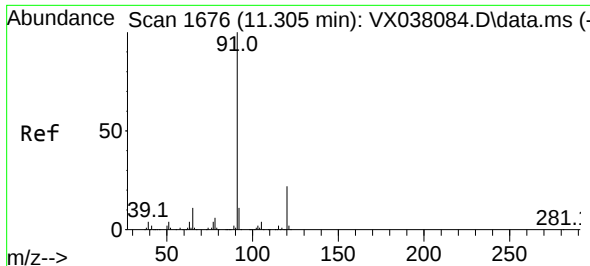
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#77  
Bromobenzene  
Concen: 1.018 ug/l  
RT: 11.195 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

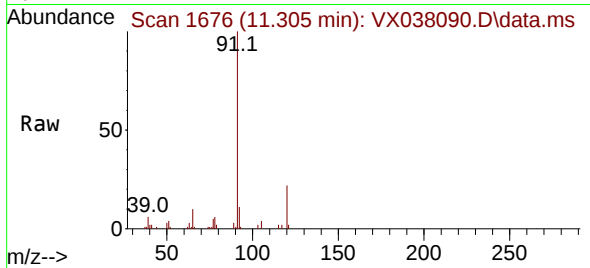
Tgt Ion:156 Resp: 1954  
Ion Ratio Lower Upper  
156 100  
77 171.1 88.4 265.3  
158 99.2 48.0 144.0





#78  
n-propylbenzene  
Concen: 0.988 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

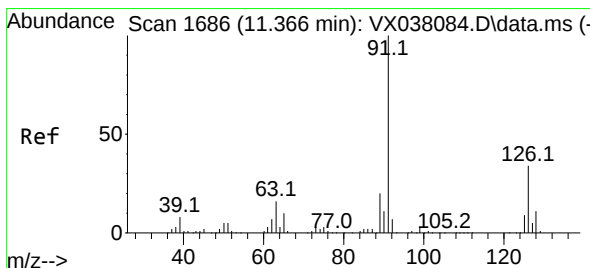
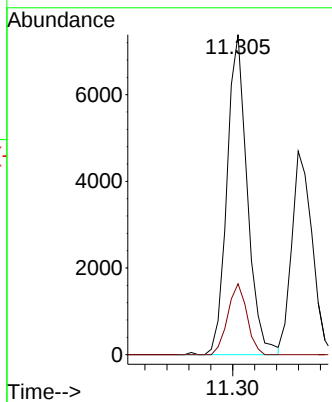
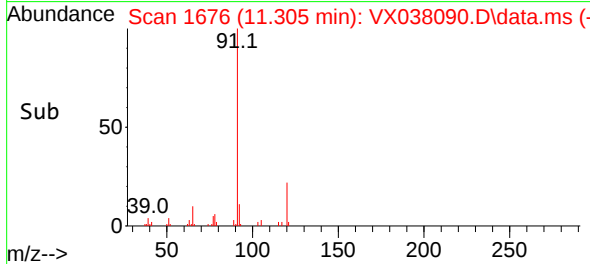
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001



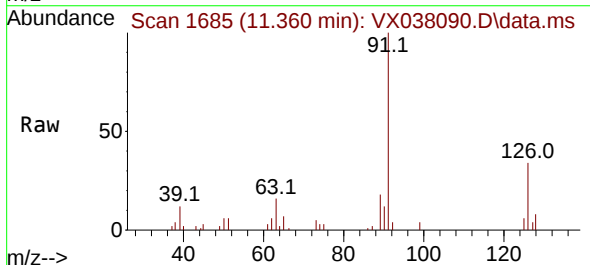
Tgt Ion: 91 Resp: 950  
Ion Ratio Lower Upper  
91 100  
120 20.9 11.5 34.4

Manual Integrations  
APPROVED

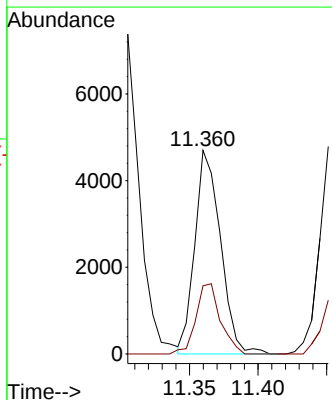
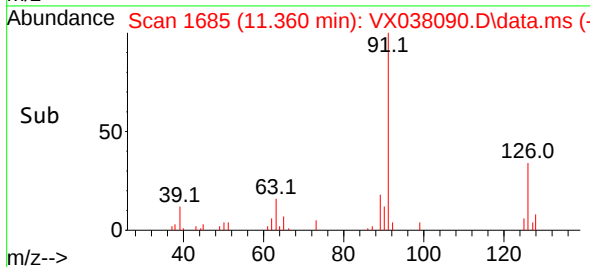
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023

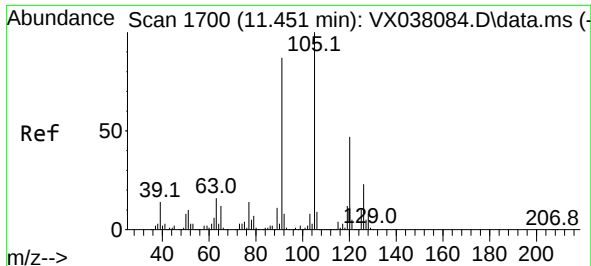


#79  
2-Chlorotoluene  
Concen: 1.072 ug/l  
RT: 11.360 min Scan# 1685  
Delta R.T. -0.006 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35



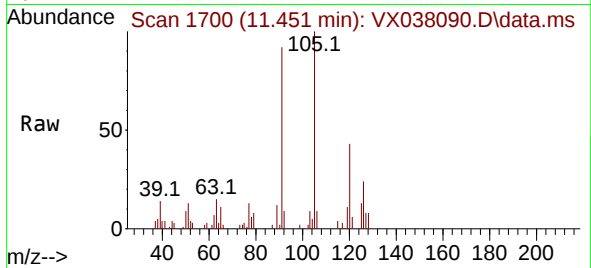
Tgt Ion: 91 Resp: 6115  
Ion Ratio Lower Upper  
91 100  
126 32.8 16.3 48.8





#80  
1,3,5-Trimethylbenzene  
Concen: 0.913 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

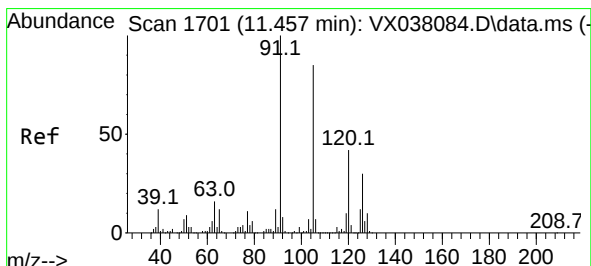
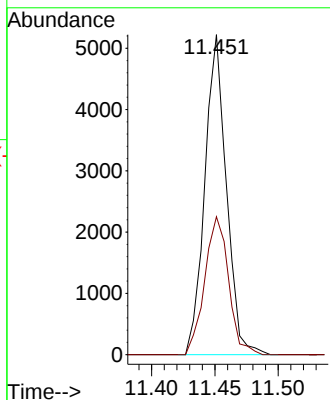
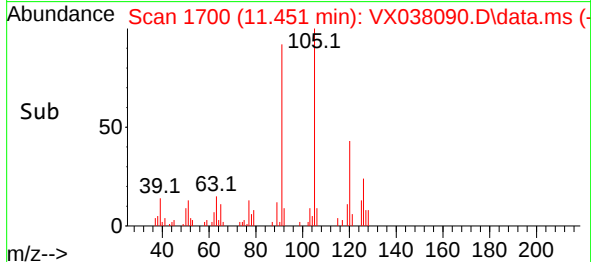
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001



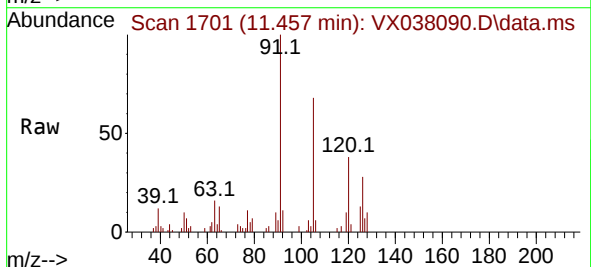
Tgt Ion:105 Resp: 619  
Ion Ratio Lower Upper  
105 100  
120 47.7 24.1 72.3

Manual Integrations  
APPROVED

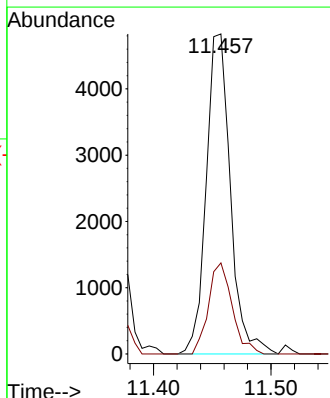
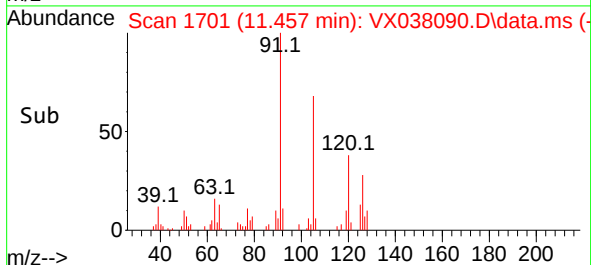
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023

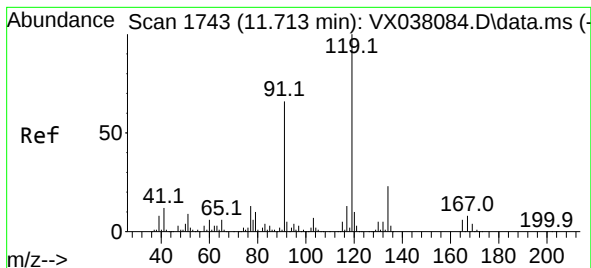


#82  
4-Chlorotoluene  
Concen: 1.022 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35



Tgt Ion: 91 Resp: 6894  
Ion Ratio Lower Upper  
91 100  
126 28.0 14.2 42.6





#83

tert-Butylbenzene

Concen: 0.942 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

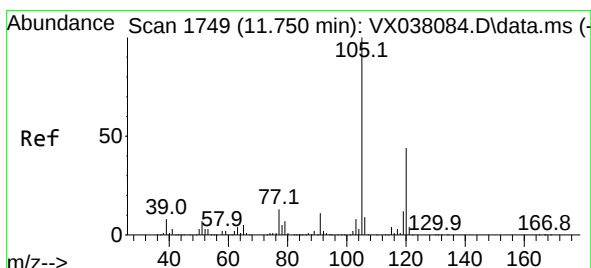
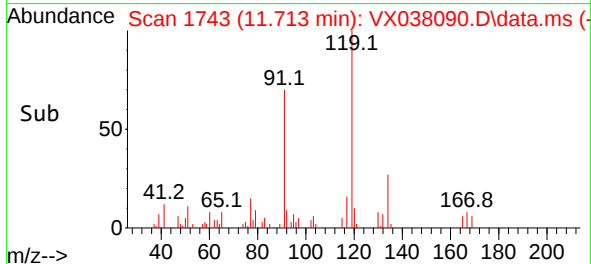
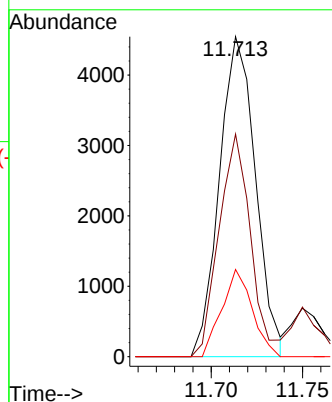
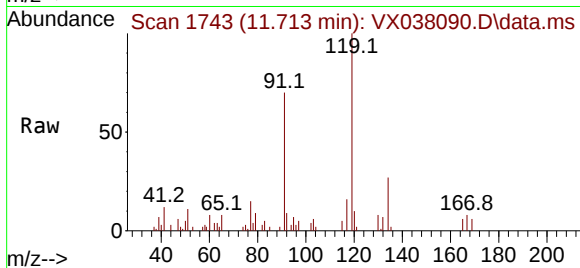
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 119   | Resp: | 624  |
| Ion Ratio | Lower | Upper |      |
| 119       | 100   |       |      |
| 91        | 61.1  | 31.2  | 93.6 |
| 134       | 23.0  | 11.7  | 35.0 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/05/2023

Supervised By :Mahesh Dadoda 10/06/2023



#84

1,2,4-Trimethylbenzene

Concen: 0.902 ug/l

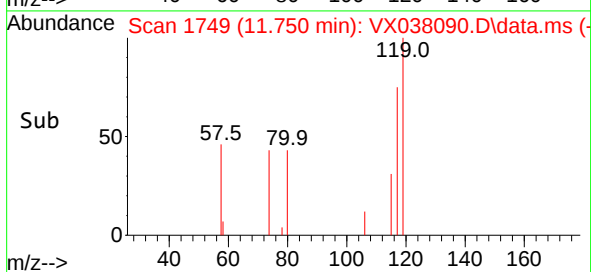
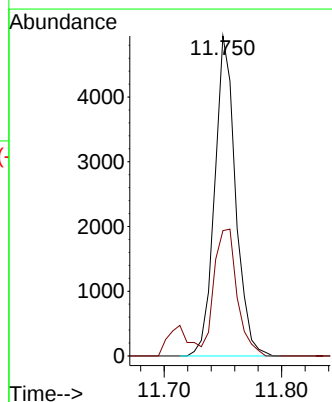
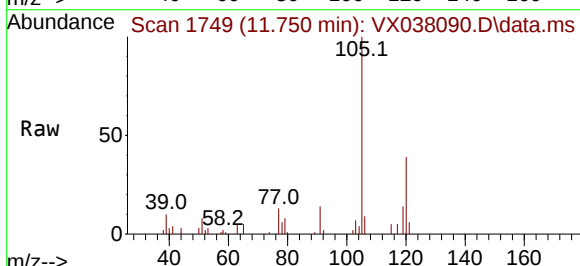
RT: 11.750 min Scan# 1749

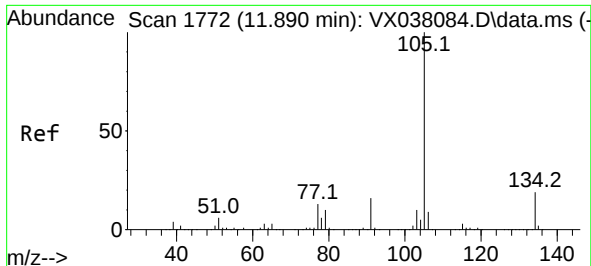
Delta R.T. 0.000 min

Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

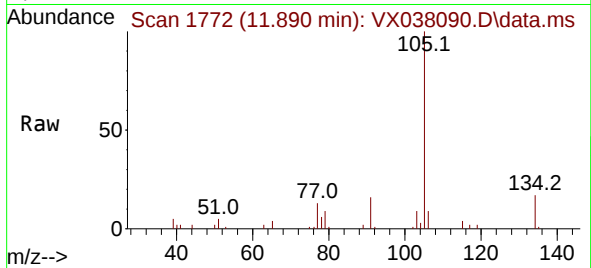
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 105   | Resp: | 6101 |
| Ion Ratio | Lower | Upper |      |
| 105       | 100   |       |      |
| 120       | 43.8  | 21.2  | 63.6 |





#85  
 sec-Butylbenzene  
 Concen: 0.956 ug/l  
 RT: 11.890 min Scan# 11772  
 Delta R.T. 0.000 min  
 Lab File: VX038090.D  
 Acq: 05 Oct 2023 09:35

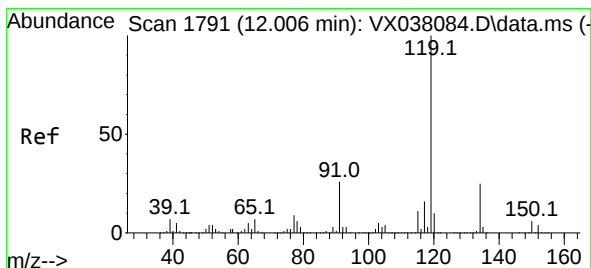
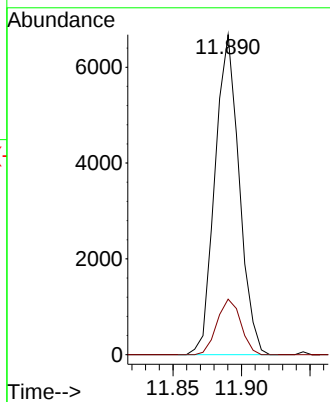
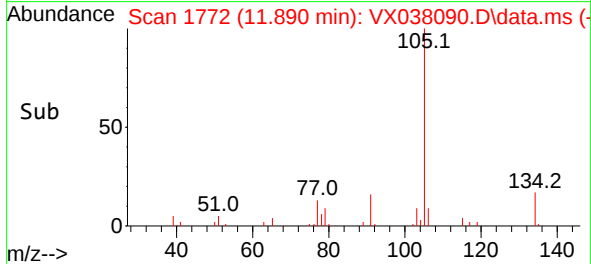
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC001



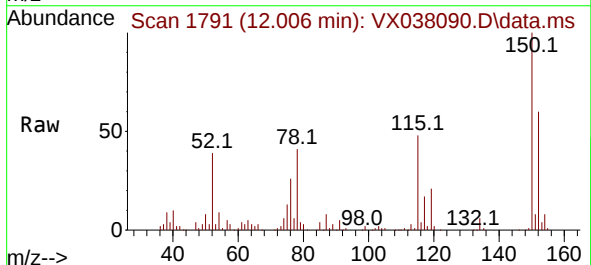
Tgt Ion:105 Resp: 820  
 Ion Ratio Lower Upper  
 105 100  
 134 17.0 9.8 29.4

Manual Integrations  
 APPROVED

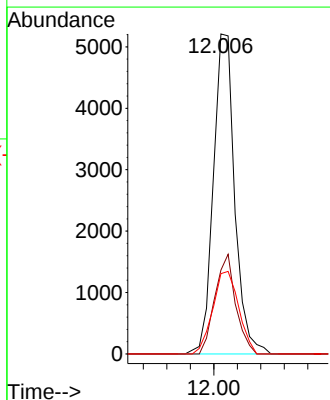
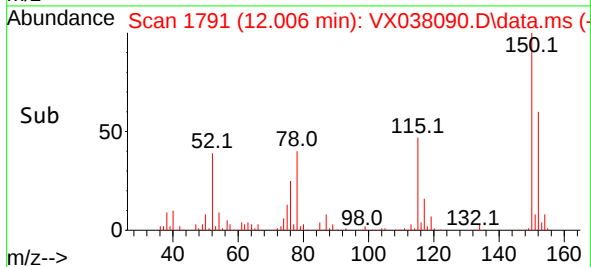
Reviewed By :John Carlone 10/05/2023  
 Supervised By :Mahesh Dadoda 10/06/2023

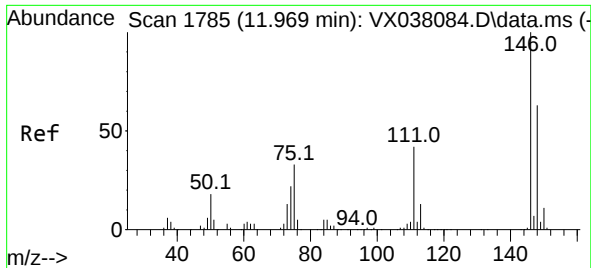


#86  
 p-Isopropyltoluene  
 Concen: 0.928 ug/l  
 RT: 12.006 min Scan# 1791  
 Delta R.T. 0.000 min  
 Lab File: VX038090.D  
 Acq: 05 Oct 2023 09:35



Tgt Ion:119 Resp: 6577  
 Ion Ratio Lower Upper  
 119 100  
 134 30.2 12.8 38.3  
 91 31.2 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 1.106 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion:146 Resp: 426

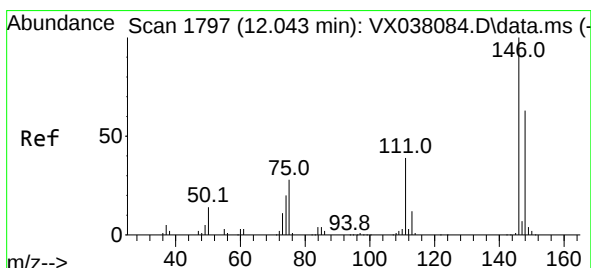
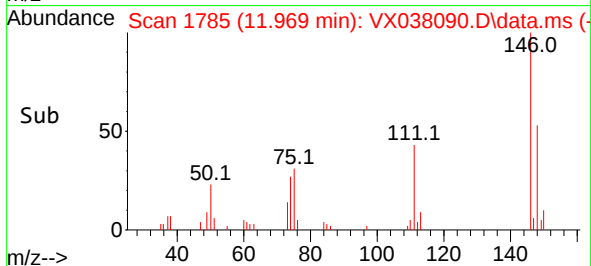
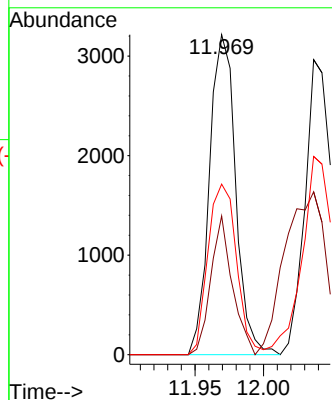
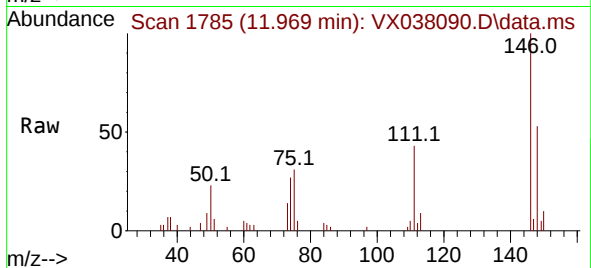
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 35.8  | 22.1  | 66.1  |
| 148 | 58.4  | 31.8  | 95.3  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/05/2023

Supervised By :Mahesh Dadoda 10/06/2023



#88

1,4-Dichlorobenzene

Concen: 1.014 ug/l m

RT: 12.036 min Scan# 1796

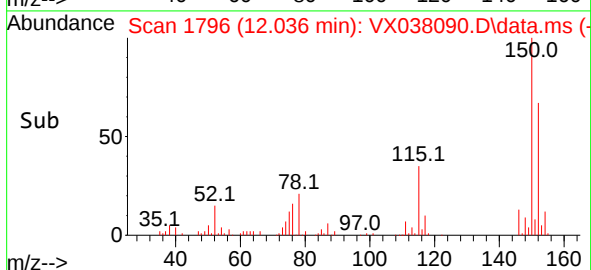
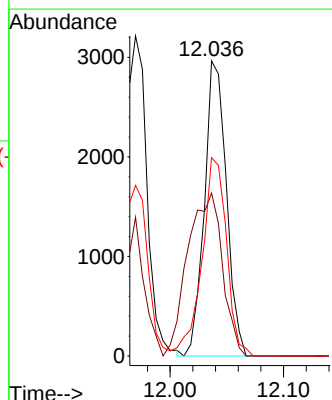
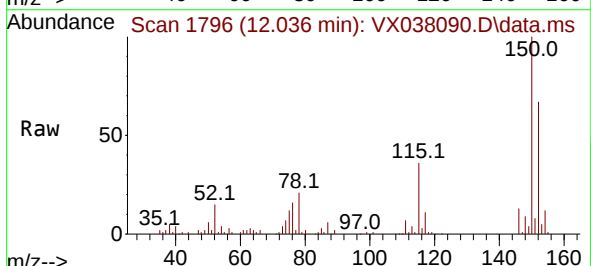
Delta R.T. -0.006 min

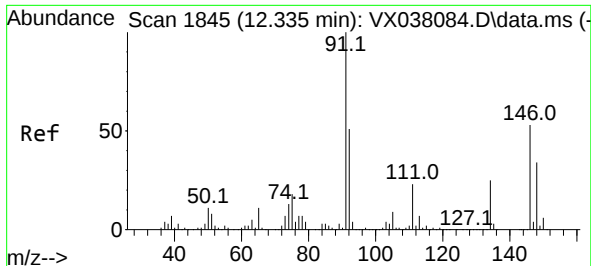
Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

Tgt Ion:146 Resp: 3992

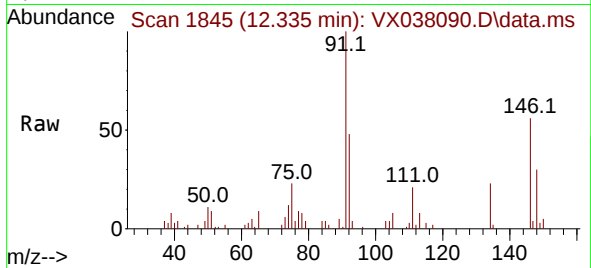
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 38.3  | 21.3  | 63.7  |
| 148 | 62.4  | 31.8  | 95.4  |





#89  
n-Butylbenzene  
Concen: 0.961 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

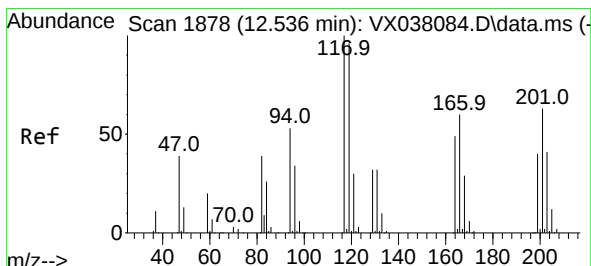
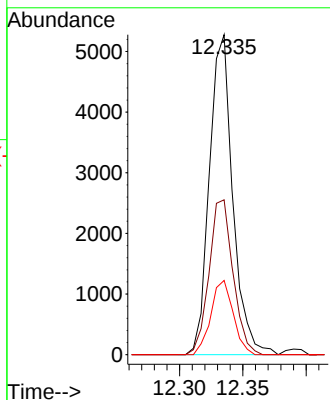
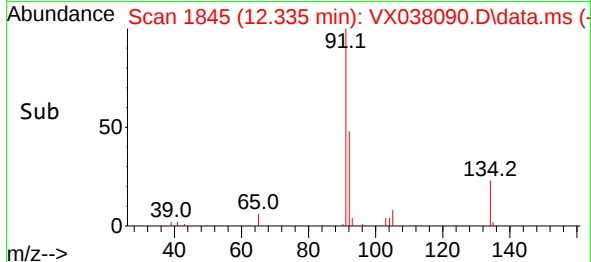
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001



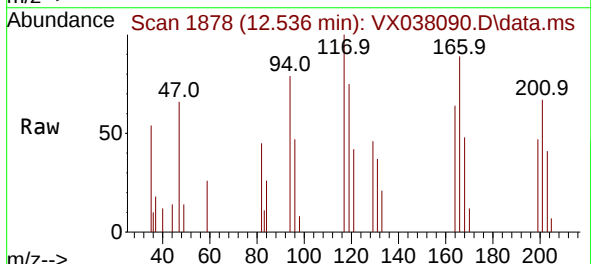
Tgt Ion: 91 Resp: 678  
Ion Ratio Lower Upper  
91 100  
92 49.7 27.4 82.0  
134 22.2 12.6 37.8

Manual Integrations  
APPROVED

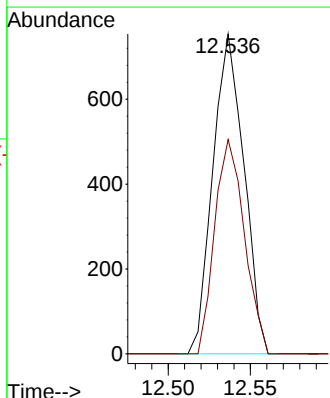
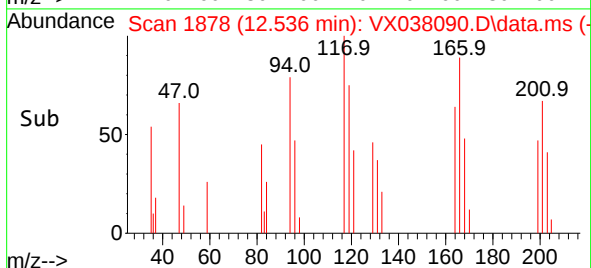
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023

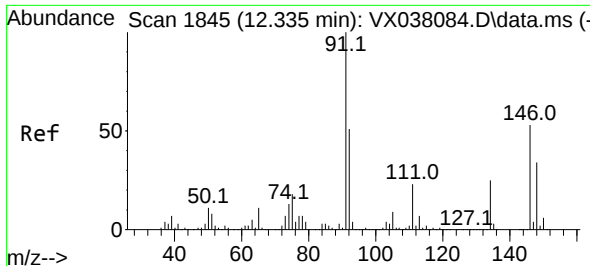


#90  
Hexachloroethane  
Concen: 0.843 ug/l  
RT: 12.536 min Scan# 1878  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35



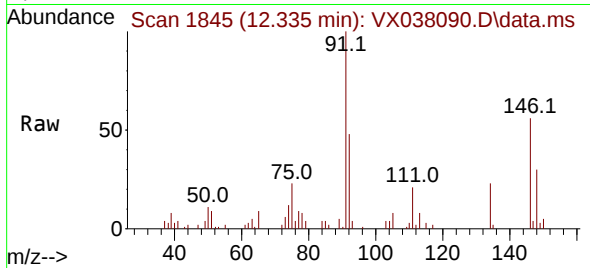
Tgt Ion:117 Resp: 991  
Ion Ratio Lower Upper  
117 100  
201 64.0 32.9 98.6





#91  
1,2-Dichlorobenzene  
Concen: 1.027 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

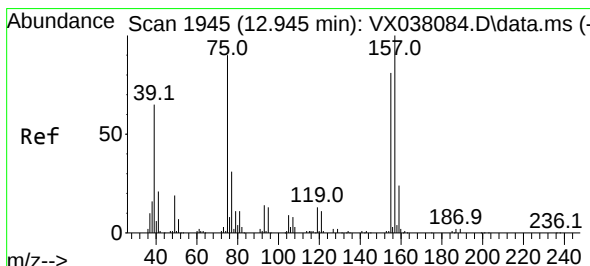
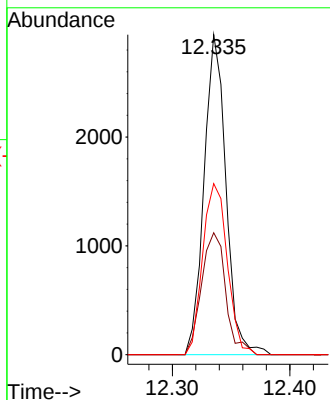
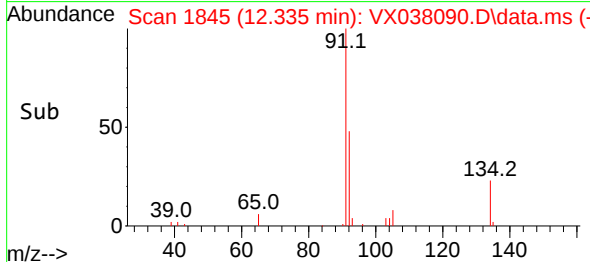
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001



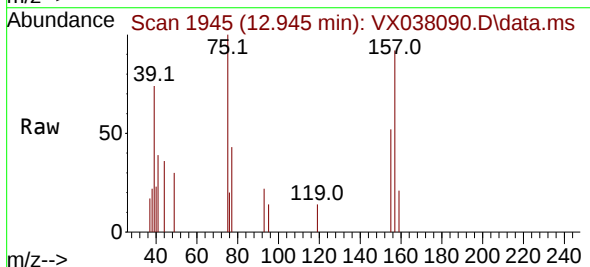
Tgt Ion:146 Resp: 380  
Ion Ratio Lower Upper  
146 100  
111 42.3 22.4 67.0  
148 60.1 31.6 95.0

Manual Integrations  
APPROVED

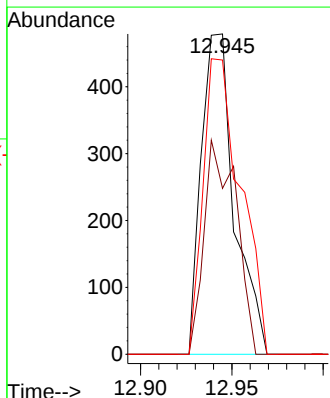
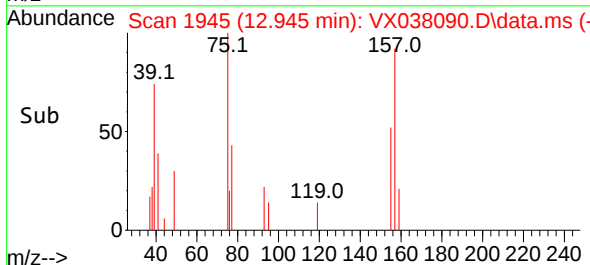
Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023

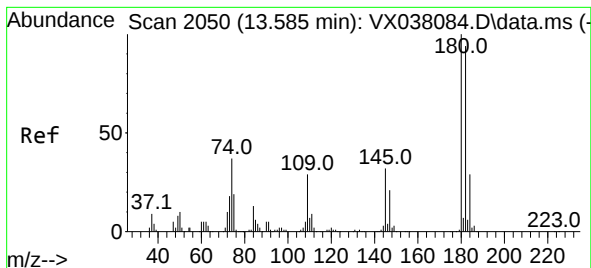


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 0.867 ug/l  
RT: 12.945 min Scan# 1945  
Delta R.T. -0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35



Tgt Ion: 75 Resp: 605  
Ion Ratio Lower Upper  
75 100  
155 64.8 36.1 108.5  
157 104.6 44.9 134.7





#93

1,2,4-Trichlorobenzene

Concen: 1.012 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

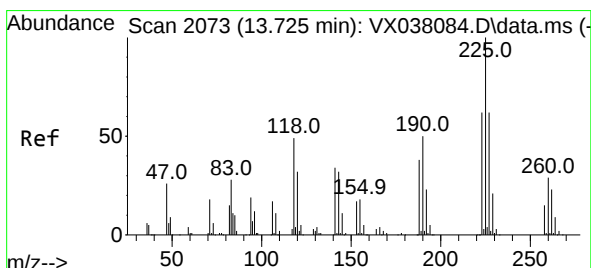
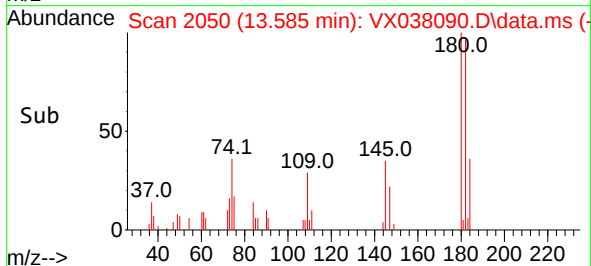
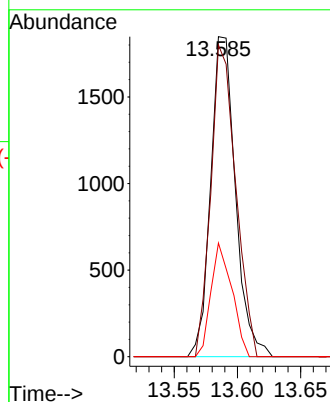
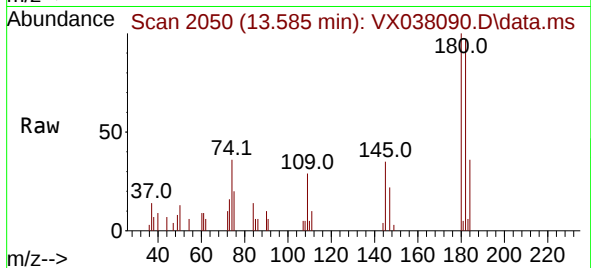
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 2510       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 97.8  | 48.3 144.8 |
| 145         | 30.1  | 18.0 54.0  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/05/2023

Supervised By :Mahesh Dadoda 10/06/2023



#94

Hexachlorobutadiene

Concen: 1.125 ug/l

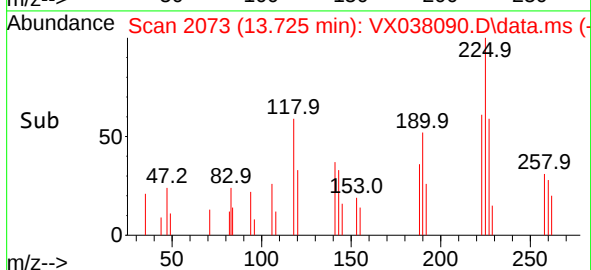
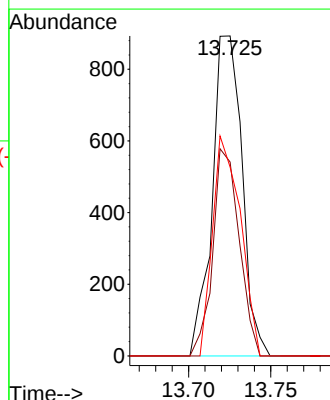
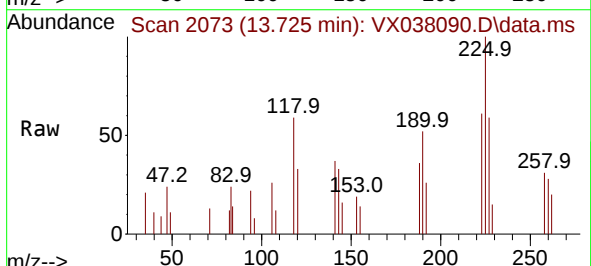
RT: 13.725 min Scan# 2073

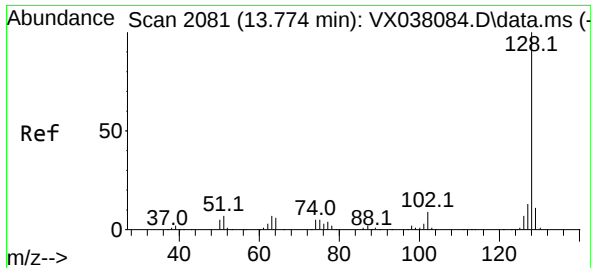
Delta R.T. 0.000 min

Lab File: VX038090.D

Acq: 05 Oct 2023 09:35

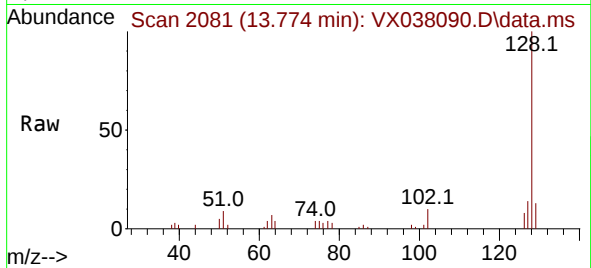
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 1126      |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 57.3  | 31.1 93.2 |
| 227         | 64.1  | 32.5 97.5 |





#95  
Naphthalene  
Concen: 1.023 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35

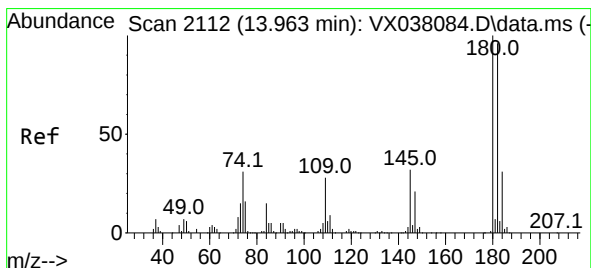
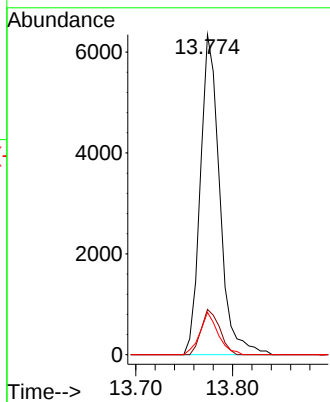
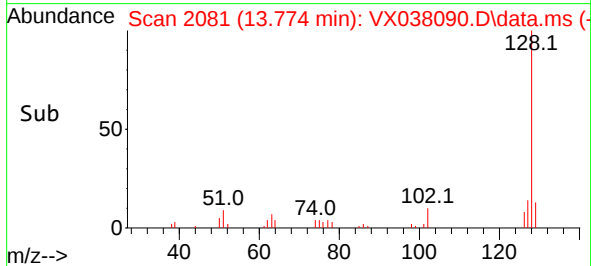
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001



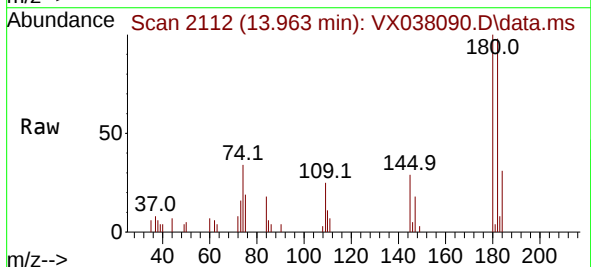
Tgt Ion:128 Resp: 885  
Ion Ratio Lower Upper  
128 100  
127 13.4 10.3 15.5  
129 12.5 8.8 13.2

Manual Integrations  
APPROVED

Reviewed By :John Carlone 10/05/2023  
Supervised By :Mahesh Dadoda 10/06/2023



#96  
1,2,3-Trichlorobenzene  
Concen: 1.004 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. 0.000 min  
Lab File: VX038090.D  
Acq: 05 Oct 2023 09:35



Tgt Ion:180 Resp: 2417  
Ion Ratio Lower Upper  
180 100  
182 106.2 46.9 140.6  
145 34.8 17.8 53.5

