

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020222\  
 Data File : VX026751.D  
 Acq On : 02 Feb 2022 20:48  
 Operator : JC/MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/03/2022  
 Supervised By : Mahesh Dadoda 02/04/2022

Quant Time: Feb 03 03:03:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X011022W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jan 10 12:50:55 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Bromochloromethane        | 4.910          | 128  | 15659      | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 6.769          | 114  | 87360      | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 10.055         | 117  | 75090      | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 5.958          | 65   | 34267      | 27.214   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = | 90.700%# |        |          |
| 60) 4-Bromofluorobenzene     | 11.079         | 95   | 35484      | 28.315   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = | 94.400%  |        |          |
| 63) Toluene-d8               | 8.653          | 98   | 100996     | 29.278   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = | 97.600%  |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.173          | 85   | 19252      | 20.412   | ug/l   | 99       |
| 3) Chloromethane             | 1.295          | 50   | 16867      | 20.470   | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.374          | 62   | 18226      | 20.008   | ug/l   | 99       |
| 5) Bromomethane              | 1.611          | 94   | 9193       | 22.415   | ug/l   | 93       |
| 6) Chloroethane              | 1.691          | 64   | 11107      | 21.488   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.892          | 101  | 27896      | 19.323   | ug/l   | 98       |
| 8) Diethyl Ether             | 2.136          | 74   | 9914       | 19.246   | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 2.337          | 101  | 18580      | 20.620   | ug/l   | 97       |
| 10) 1,1-Dichloroethene       | 2.325          | 96   | 17777      | 21.119   | ug/l   | 94       |
| 11) Methyl Iodide            | 2.459          | 142  | 23367      | 25.561   | ug/l   | 98       |
| 12) Methyl Acetate           | 2.709          | 43   | 40048      | 22.711   | ug/l   | 96       |
| 13) Acrolein                 | 2.239          | 56   | 20610      | 112.775  | ug/l   | 97       |
| 14) Acrylonitrile            | 3.069          | 53   | 56739      | 115.353  | ug/l   | 99       |
| 15) Acetone                  | 2.386          | 58   | 15006      | 97.122   | ug/l   | 82       |
| 16) Carbon Disulfide         | 2.520          | 76   | 45257      | 19.039   | ug/l   | 100      |
| 17) Allyl chloride           | 2.666          | 41   | 33521      | 20.693   | ug/l   | 94       |
| 18) Methylene Chloride       | 2.794          | 84   | 20164      | 21.749   | ug/l   | 99       |
| 19) trans-1,2-Dichloroethene | 3.099          | 96   | 19279      | 21.307   | ug/l   | 94       |
| 20) Diisopropyl ether        | 3.764          | 45   | 67028      | 21.289   | ug/l   | 93       |
| 21) 1,1-Dichloroethane       | 3.617          | 63   | 35819      | 20.664   | ug/l   | 99       |
| 22) cis-1,2-Dichloroethene   | 4.495          | 96   | 22572      | 21.323   | ug/l   | 96       |
| 23) tert-Butyl Alcohol       | 2.971          | 59   | 19820      | 111.092  | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 3.117          | 73   | 64724      | 20.677   | ug/l   | 98       |
| 25) Chloroform               | 5.105          | 83   | 38095      | 21.210   | ug/l   | 96       |
| 26) Cyclohexane              | 5.477          | 56   | 32997      | 20.811   | ug/l # | 99       |
| 29) 1,1-Dichloropropene      | 5.696          | 75   | 27223      | 20.176   | ug/l   | 98       |
| 30) 2-Butanone               | 4.562          | 43   | 80353      | 102.546  | ug/l   | 98       |
| 31) 2,2-Dichloropropane      | 4.483          | 77   | 25414      | 18.185   | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 5.391          | 97   | 32870      | 20.011   | ug/l   | 99       |
| 33) Carbon Tetrachloride     | 5.684          | 117  | 28682      | 19.710   | ug/l   | 98       |
| 34) Benzene                  | 6.044          | 78   | 80633      | 21.553   | ug/l   | 98       |
| 35) Methacrylonitrile        | 4.928          | 41   | 17322      | 21.098   | ug/l   | 95       |
| 36) 1,2-Dichloroethane       | 6.092          | 62   | 29708      | 19.661   | ug/l   | 96       |
| 37) Trichloroethene          | 7.129          | 130  | 23858      | 22.081   | ug/l   | 99       |
| 38) Methylcyclohexane        | 7.385          | 83   | 32961      | 20.385   | ug/l   | 98       |
| 39) 1,2-Dichloropropane      | 7.434          | 63   | 20899      | 21.845   | ug/l   | 99       |
| 40) Dibromomethane           | 7.586          | 93   | 14576      | 21.689   | ug/l   | 97       |
| 41) Bromodichloromethane     | 7.824          | 83   | 28295      | 20.400   | ug/l   | 96       |
| 42) Vinyl Acetate            | 3.727          | 43   | 258322     | 106.406  | ug/l   | 99       |

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 Operator : JC/MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

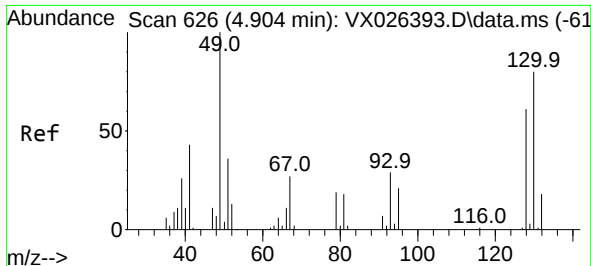
Reviewed By : John Carlone 02/03/2022  
 Supervised By : Mahesh Dadoda 02/04/2022

Quant Time: Feb 03 03:03:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X011022W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jan 10 12:50:55 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 43) Ethyl Acetate             | 4.721  | 43   | 31241    | 21.929  | ug/l  | 99       |
| 44) Isopropyl Acetate         | 6.348  | 43   | 49564    | 21.078  | ug/l  | 98       |
| 45) 1,4-Dioxane               | 7.677  | 88   | 8638     | 473.949 | ug/l  | 97       |
| 46) Methyl methacrylate       | 7.696  | 41   | 24636    | 21.359  | ug/l  | 94       |
| 47) n-amyl Acetate            | 10.848 | 43   | 38892    | 22.106  | ug/l  | 98       |
| 48) t-1,3-Dichloropropene     | 8.982  | 75   | 27658    | 19.970  | ug/l  | 99       |
| 49) cis-1,3-Dichloropropene   | 8.372  | 75   | 31988    | 20.888  | ug/l  | 94       |
| 50) 1,1,2-Trichloroethane     | 9.153  | 97   | 20808    | 22.518  | ug/l  | 96       |
| 51) Ethyl methacrylate        | 9.116  | 69   | 32278    | 21.908  | ug/l  | 97       |
| 52) 1,3-Dichloropropane       | 9.311  | 76   | 35436    | 22.128  | ug/l  | 99       |
| 53) Dibromochloromethane      | 9.525  | 129  | 20718    | 20.629  | ug/l  | 100      |
| 54) 1,2-Dibromoethane         | 9.610  | 107  | 21131    | 21.562  | ug/l  | 100      |
| 55) 2-Chloroethyl vinyl ether | 8.244  | 63   | 80399    | 102.012 | ug/l  | 99       |
| 56) Bromoform                 | 10.799 | 173  | 13375    | 20.061  | ug/l  | 97       |
| 58) 4-Methyl-2-Pentanone      | 8.574  | 43   | 158555   | 113.203 | ug/l  | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 116597   | 107.510 | ug/l  | 98       |
| 61) Tetrachloroethene         | 9.275  | 164  | 25325    | 22.882  | ug/l  | 95       |
| 62) Toluene                   | 8.720  | 91   | 86713    | 21.631  | ug/l  | 100      |
| 64) Chlorobenzene             | 10.079 | 112  | 53670    | 22.052  | ug/l  | 97       |
| 65) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 20042    | 21.626  | ug/l  | 99       |
| 66) Ethyl Benzene             | 10.195 | 91   | 94312    | 21.026  | ug/l  | 98       |
| 67) m/p-Xylenes               | 10.305 | 106  | 72091    | 43.259  | ug/l  | 97       |
| 68) o-Xylene                  | 10.646 | 106  | 36039    | 22.297  | ug/l  | 97       |
| 69) Styrene                   | 10.659 | 104  | 57503    | 21.404  | ug/l  | 97       |
| 70) Isopropylbenzene          | 10.963 | 105  | 92803    | 21.401  | ug/l  | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 25691    | 21.739  | ug/l  | 99       |
| 72) 1,2,3-Trichloropropane    | 11.244 | 75   | 26016m   | 21.707  | ug/l  |          |
| 73) Bromobenzene              | 11.201 | 156  | 21904    | 22.067  | ug/l  | 95       |
| 74) n-propylbenzene           | 11.305 | 91   | 104630   | 20.889  | ug/l  | 100      |
| 75) 2-Chlorotoluene           | 11.366 | 91   | 63446    | 21.085  | ug/l  | 100      |
| 76) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 77026    | 21.264  | ug/l  | 99       |
| 77) t-1,4-Dichloro-2-butene   | 11.024 | 75   | 7331     | 20.338  | ug/l  | 91       |
| 78) 4-Chlorotoluene           | 11.457 | 91   | 70590    | 20.577  | ug/l  | 96       |
| 79) tert-butylbenzene         | 11.719 | 119  | 70859    | 21.134  | ug/l  | 98       |
| 80) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 75703    | 21.158  | ug/l  | 100      |
| 81) sec-Butylbenzene          | 11.890 | 105  | 92017    | 20.951  | ug/l  | 99       |
| 82) p-Isopropyltoluene        | 12.012 | 119  | 77446    | 20.874  | ug/l  | 98       |
| 83) 1,3-Dichlorobenzene       | 11.969 | 146  | 39212    | 21.226  | ug/l  | 99       |
| 84) 1,4-Dichlorobenzene       | 12.043 | 146  | 40035    | 21.627  | ug/l  | 99       |
| 85) n-Butylbenzene            | 12.335 | 91   | 63078    | 19.644  | ug/l  | 99       |
| 86) Hexachloroethane          | 12.542 | 117  | 10972    | 19.588  | ug/l  | 98       |
| 87) 1,2-Dichlorobenzene       | 12.335 | 146  | 38850    | 21.886  | ug/l  | 98       |
| 88) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 6165     | 20.446  | ug/l  | 96       |
| 89) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 23943    | 20.604  | ug/l  | 100      |
| 90) Hexachlorobutadiene       | 13.725 | 225  | 10274    | 20.257  | ug/l  | 97       |
| 91) Naphthalene               | 13.780 | 128  | 85936    | 21.393  | ug/l  | 99       |
| 92) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 24421    | 21.128  | ug/l  | 97       |

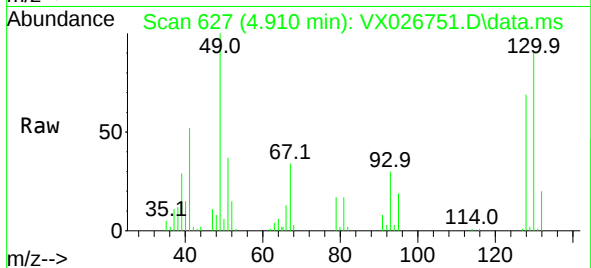
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.910 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

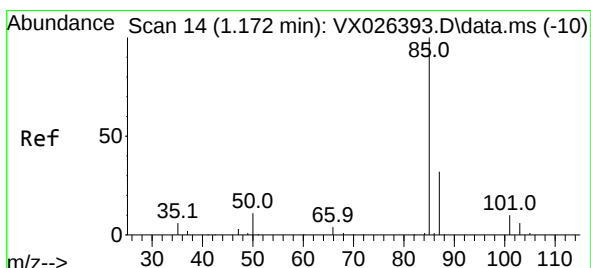
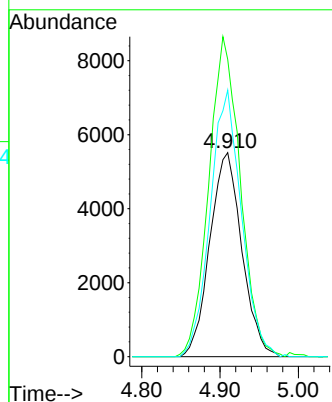
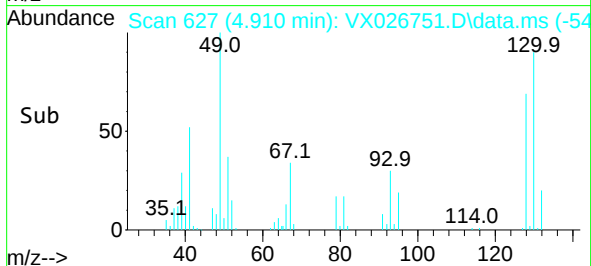
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:128 Resp: 1565  
Ion Ratio Lower Upper  
128 100  
49 154.5 0.0 413.5  
130 127.5 0.0 326.0

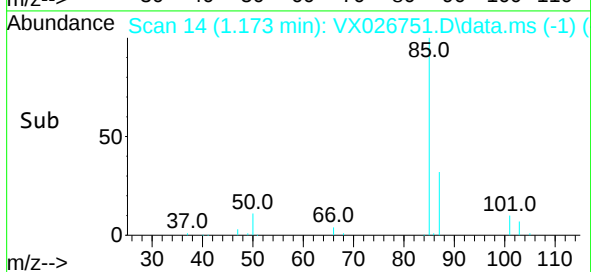
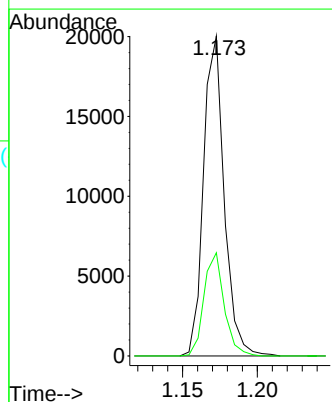
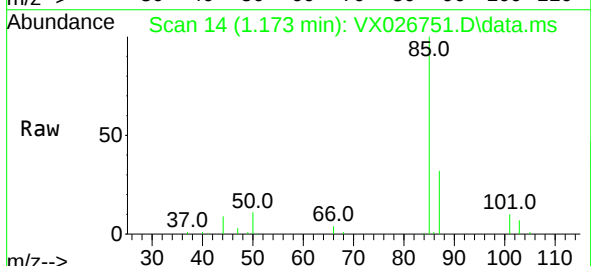
Manual Integrations  
APPROVED

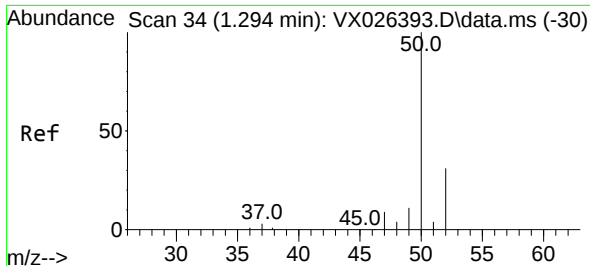
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022



#2  
Dichlorodifluoromethane  
Concen: 20.412 ug/l  
RT: 1.173 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

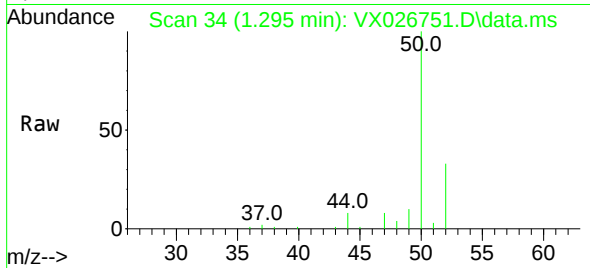
Tgt Ion: 85 Resp: 19252  
Ion Ratio Lower Upper  
85 100  
87 32.2 15.8 47.3





#3  
Chloromethane  
Concen: 20.470 ug/l  
RT: 1.295 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

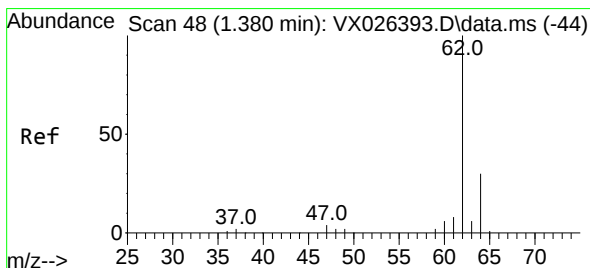
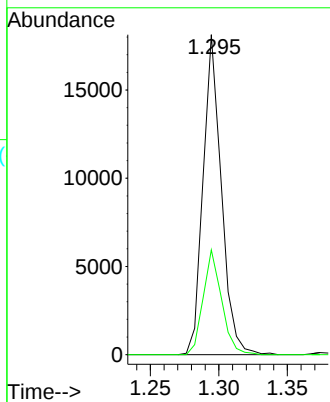
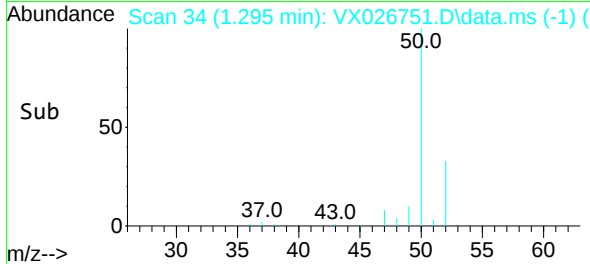
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



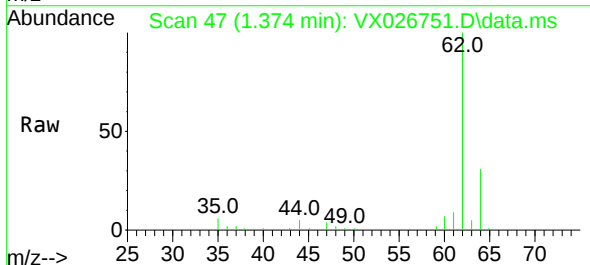
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Ion Ratio Lower Upper  
50 100  
52 32.7 24.8 37.2

Manual Integrations  
APPROVED

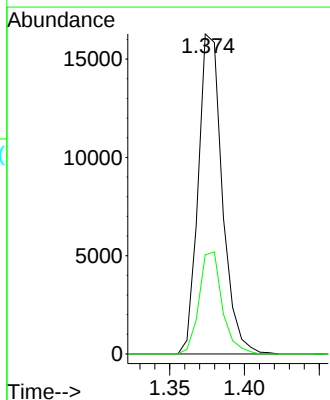
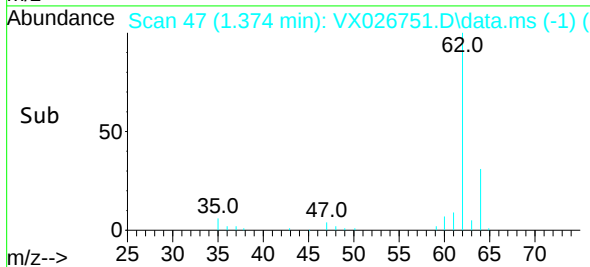
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022

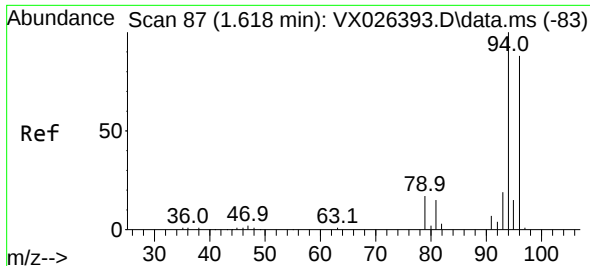


#4  
Vinyl Chloride  
Concen: 20.008 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.006 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48



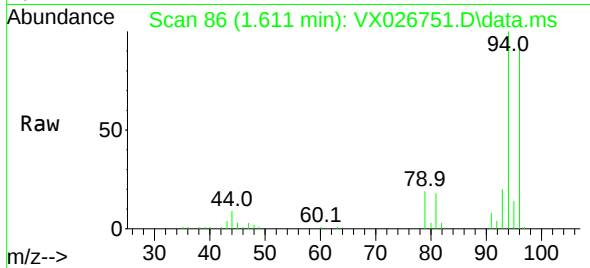
Tgt Ion: 62 Resp: 18226  
Ion Ratio Lower Upper  
62 100  
64 31.0 24.4 36.6





#5  
Bromomethane  
Concen: 22.415 ug/l  
RT: 1.611 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

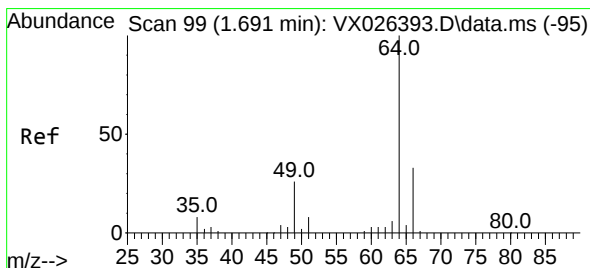
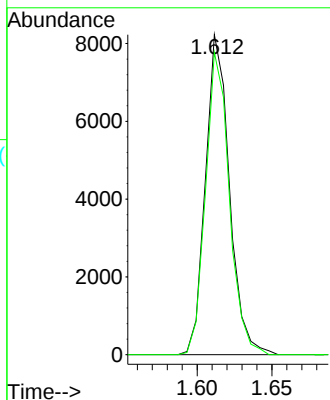
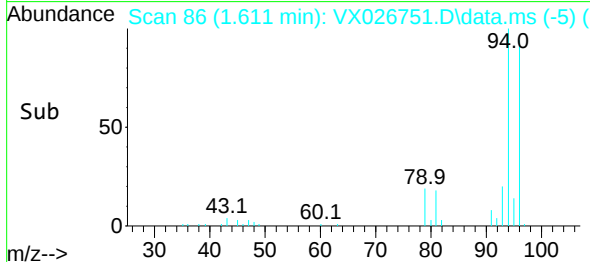
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 94 Resp: 919  
Ion Ratio Lower Upper  
94 100  
96 94.4 70.3 105.5

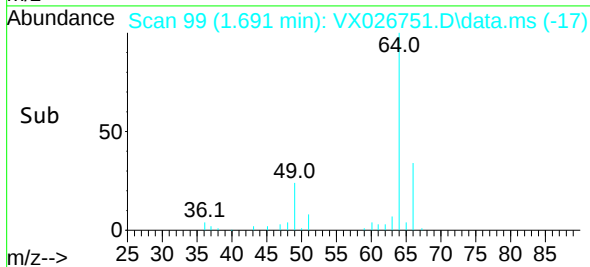
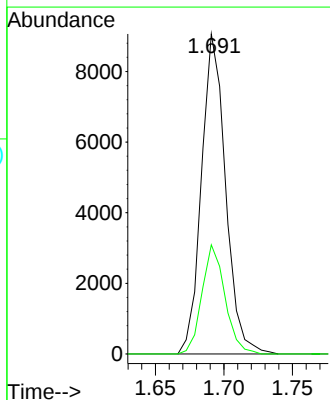
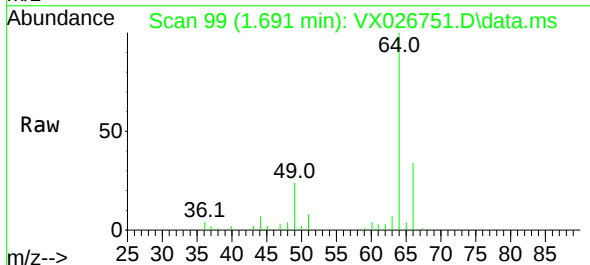
Manual Integrations  
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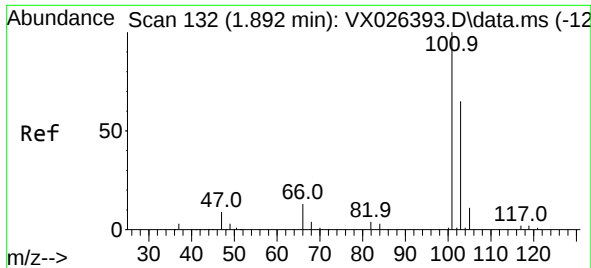
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022



#6  
Chloroethane  
Concen: 21.488 ug/l  
RT: 1.691 min Scan# 99  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

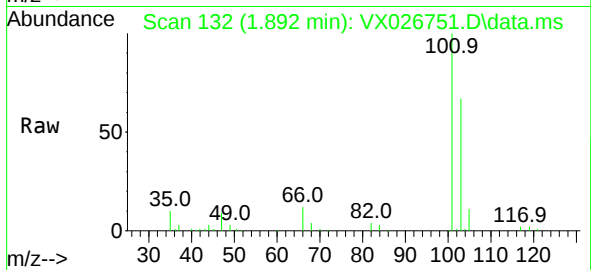
Tgt Ion: 64 Resp: 11107  
Ion Ratio Lower Upper  
64 100  
66 34.1 26.6 39.8





#7  
 Trichlorofluoromethane  
 Concen: 19.323 ug/l  
 RT: 1.892 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX026751.D  
 Acq: 02 Feb 2022 20:48

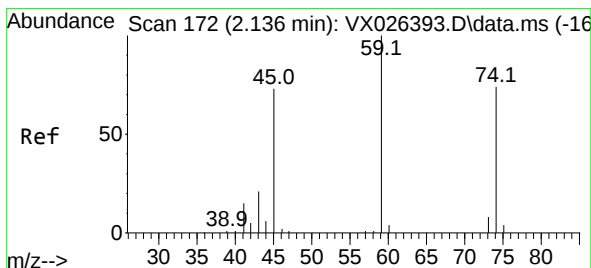
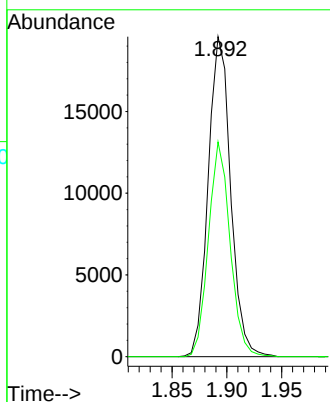
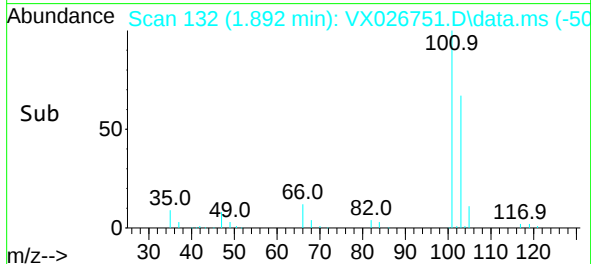
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC



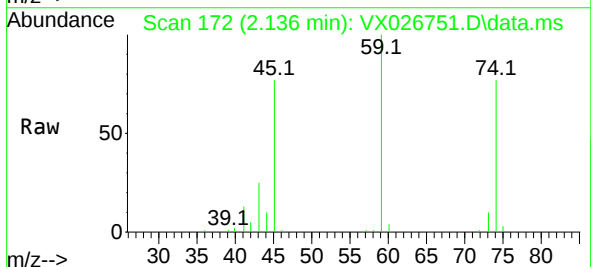
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 Ion Ratio Lower Upper  
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 103 67.1 52.2 78.4

Manual Integrations  
 APPROVED

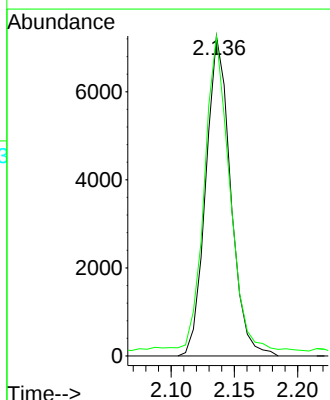
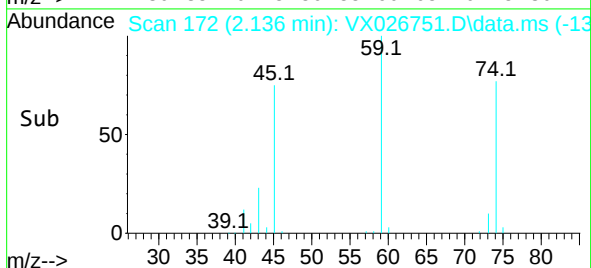
Reviewed By :John Carlone 02/03/2022  
 Supervised By :Mahesh Dadoda 02/04/2022

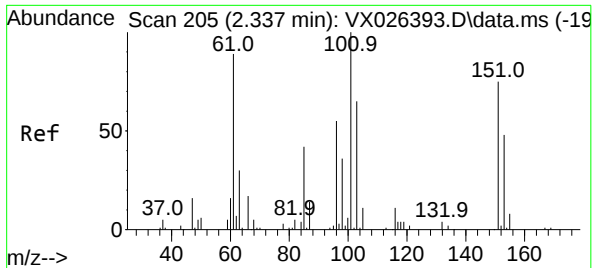


#8  
 Diethyl Ether  
 Concen: 19.246 ug/l  
 RT: 2.136 min Scan# 172  
 Delta R.T. 0.000 min  
 Lab File: VX026751.D  
 Acq: 02 Feb 2022 20:48



Tgt Ion: 74 Resp: 9914  
 Ion Ratio Lower Upper  
 74 100  
 45 101.4 19.5 175.5





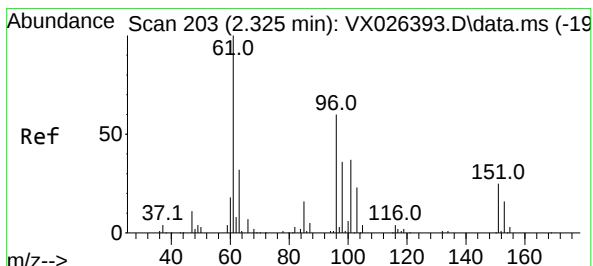
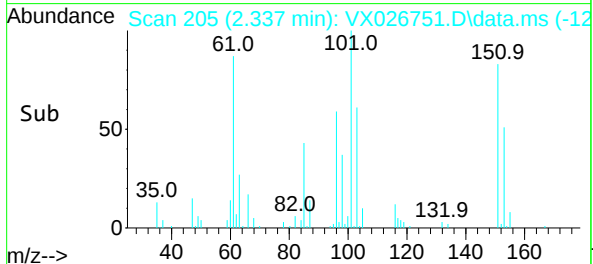
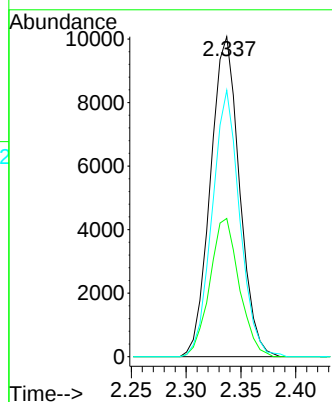
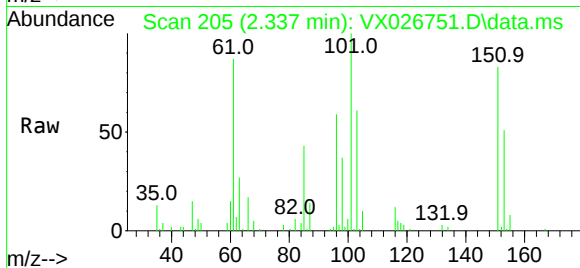
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.620 ug/l  
RT: 2.337 min Scan# 205  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:101 Resp: 18580  
Ion Ratio Lower Upper  
101 100  
85 43.7 0.0 87.6  
151 79.0 0.0 151.2

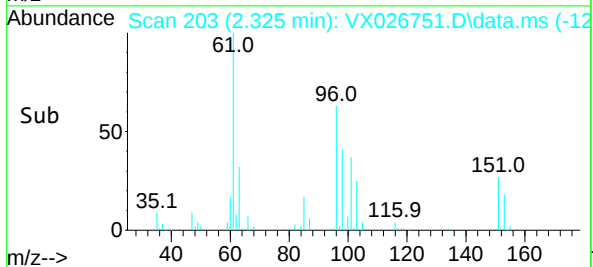
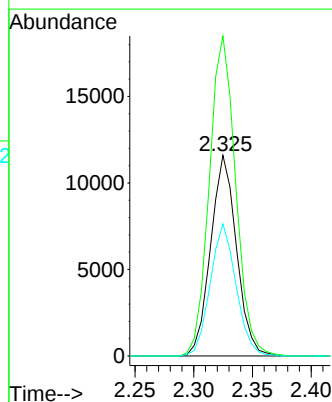
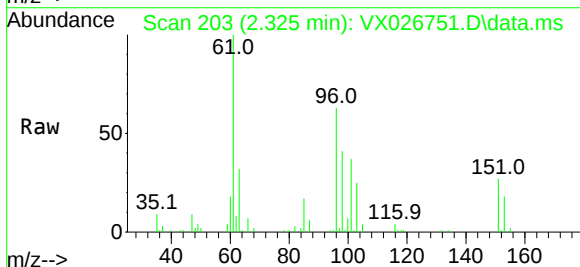
Manual Integrations  
APPROVED

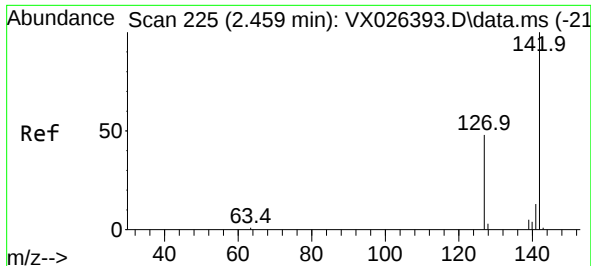
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022



#10  
1,1-Dichloroethene  
Concen: 21.119 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

Tgt Ion: 96 Resp: 17777  
Ion Ratio Lower Upper  
96 100  
61 159.5 134.1 201.1  
98 65.9 47.9 71.9





#11

Methyl Iodide

Concen: 25.561 ug/l

RT: 2.459 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX026751.D

Acq: 02 Feb 2022 20:48

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion:142 Resp: 2336

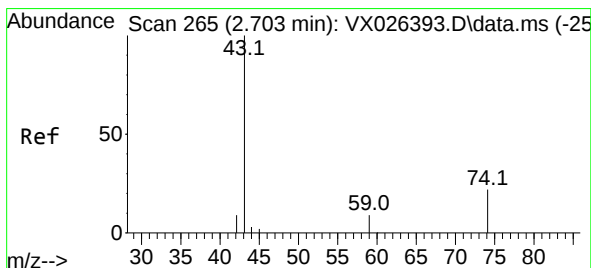
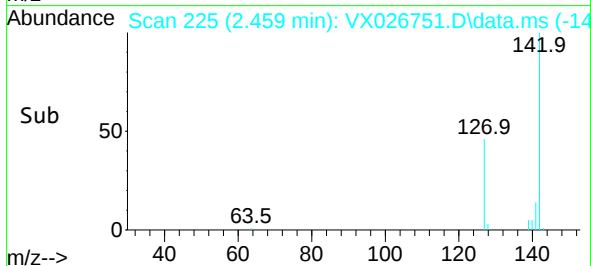
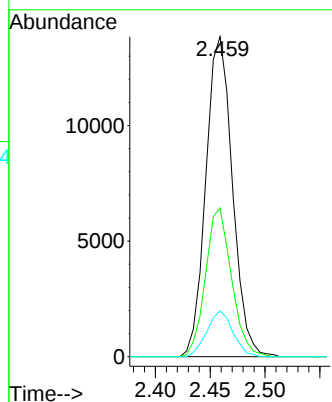
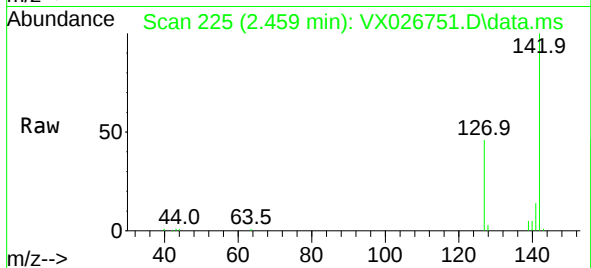
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 127 | 46.5  | 23.9  | 71.7  |
| 141 | 14.3  | 6.7   | 20.1  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/03/2022

Supervised By :Mahesh Dadoda 02/04/2022



#12

Methyl Acetate

Concen: 22.711 ug/l

RT: 2.709 min Scan# 266

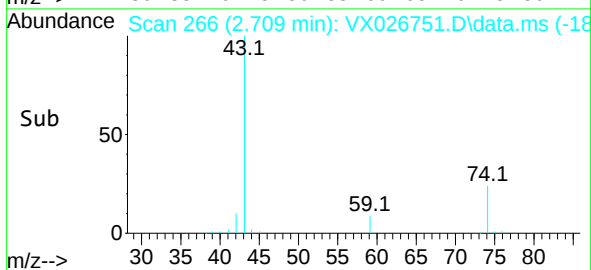
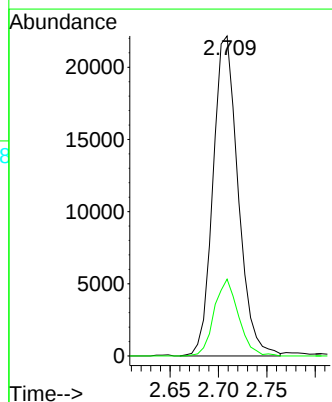
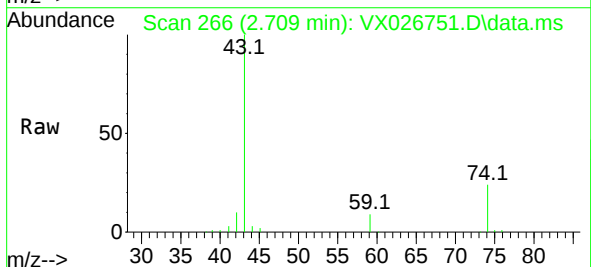
Delta R.T. 0.006 min

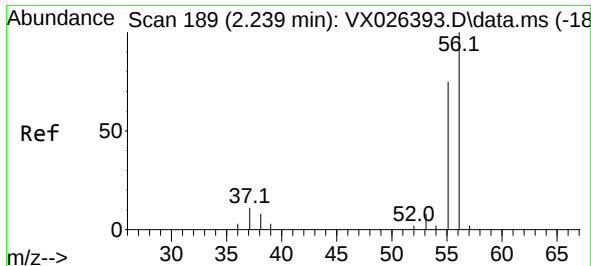
Lab File: VX026751.D

Acq: 02 Feb 2022 20:48

Tgt Ion: 43 Resp: 40048

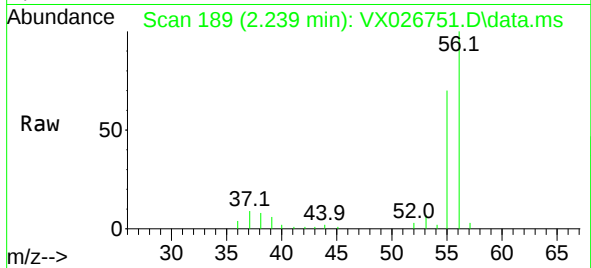
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 74  | 24.1  | 17.8  | 26.6  |





#13  
Acrolein  
Concen: 112.775 ug/l  
RT: 2.239 min Scan# 189  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

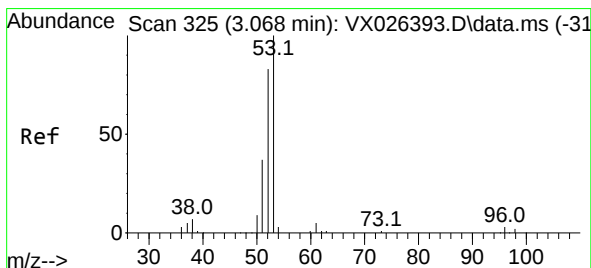
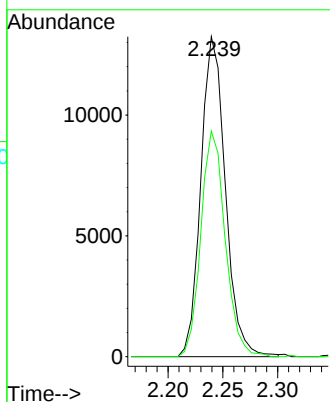
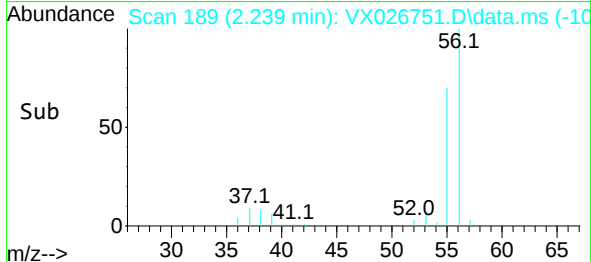
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



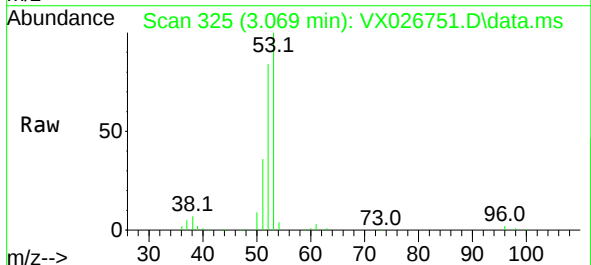
Tgt Ion: 56 Resp: 20610  
Ion Ratio Lower Upper  
56 100  
55 69.8 58.2 87.2

Manual Integrations  
APPROVED

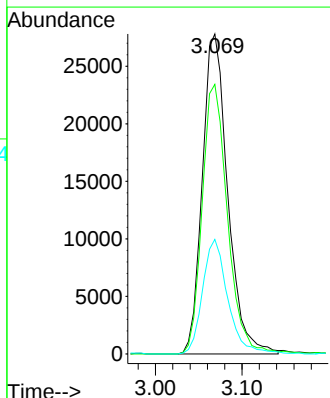
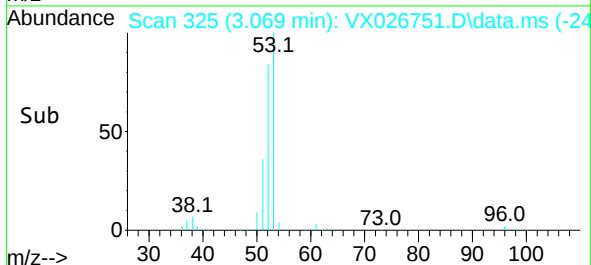
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022

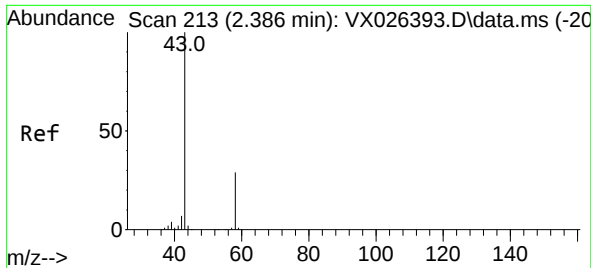


#14  
Acrylonitrile  
Concen: 115.353 ug/l  
RT: 3.069 min Scan# 325  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48



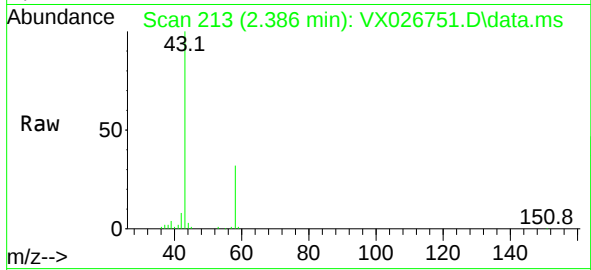
Tgt Ion: 53 Resp: 56739  
Ion Ratio Lower Upper  
53 100  
52 83.6 41.4 124.4  
51 35.6 18.6 56.0





#15  
Acetone  
Concen: 97.122 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

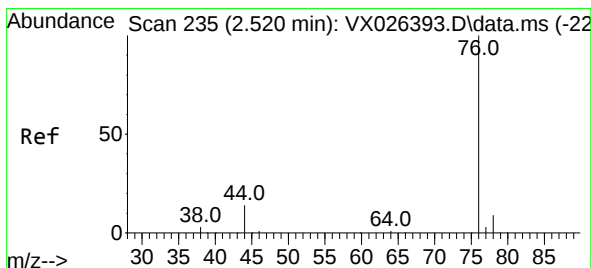
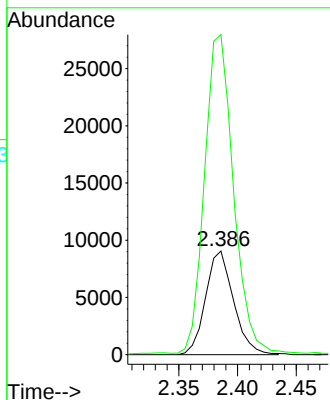
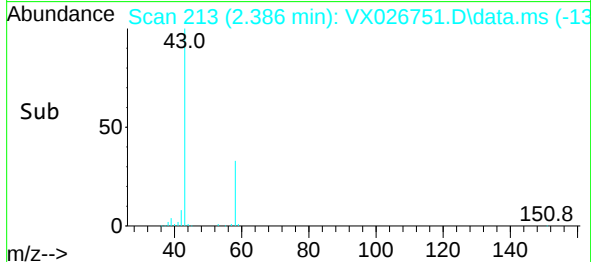
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



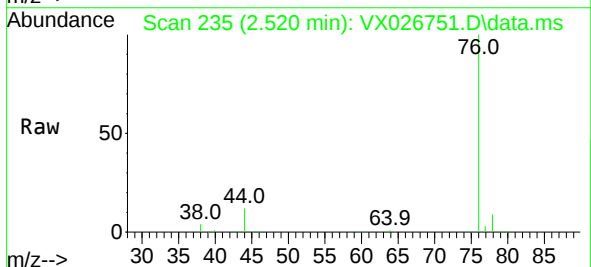
Tgt Ion: 58 Resp: 15000  
Ion Ratio Lower Upper  
58 100  
43 307.2 276.3 414.5

Manual Integrations  
APPROVED

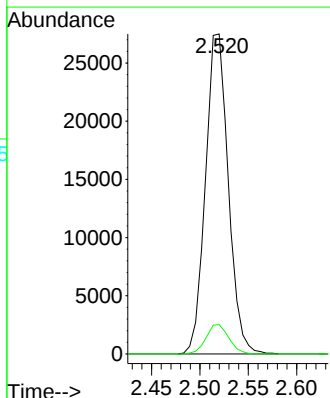
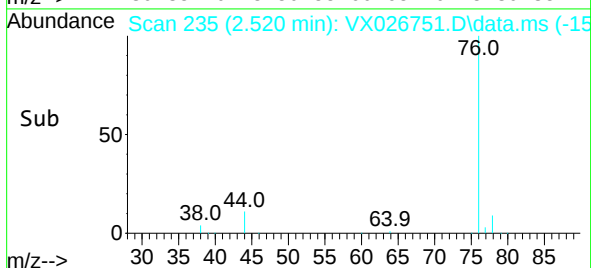
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022

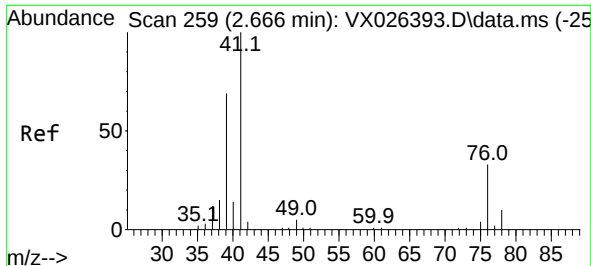


#16  
Carbon Disulfide  
Concen: 19.039 ug/l  
RT: 2.520 min Scan# 235  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48



Tgt Ion: 76 Resp: 45257  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.3 10.9





#17

Allyl chloride

Concen: 20.693 ug/l

RT: 2.666 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX026751.D

Acq: 02 Feb 2022 20:48

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 41 Resp: 3352

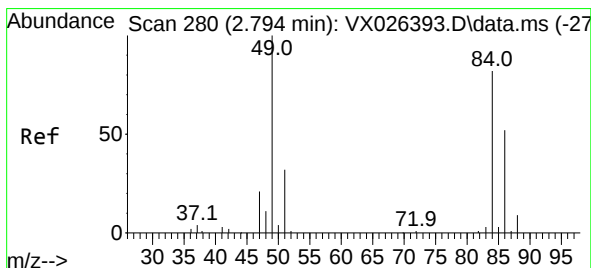
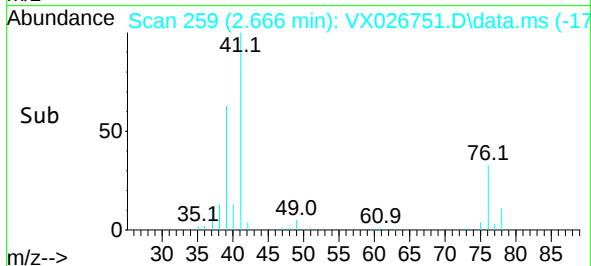
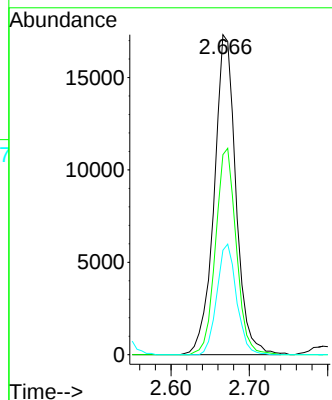
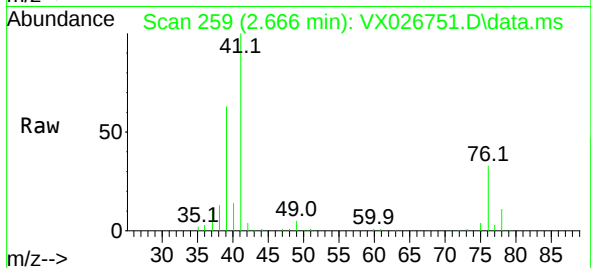
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 62.5  | 34.5  | 103.5 |
| 76  | 32.6  | 16.7  | 50.0  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/03/2022

Supervised By :Mahesh Dadoda 02/04/2022



#18

Methylene Chloride

Concen: 21.749 ug/l

RT: 2.794 min Scan# 280

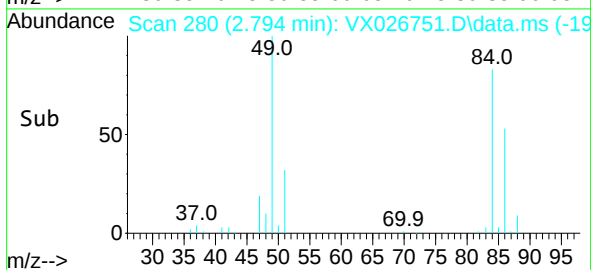
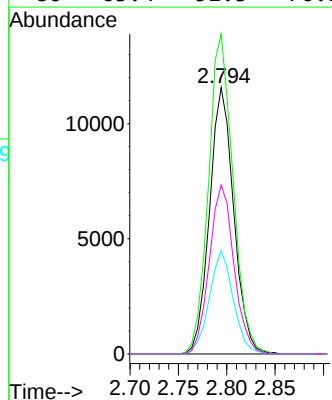
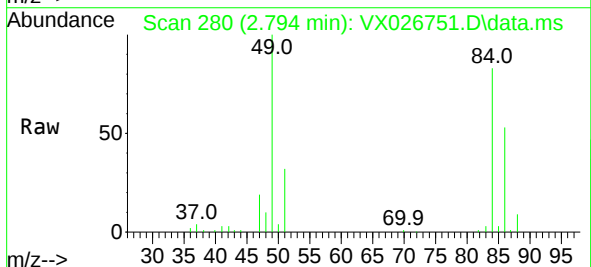
Delta R.T. 0.000 min

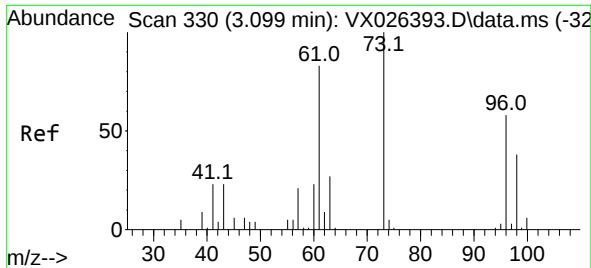
Lab File: VX026751.D

Acq: 02 Feb 2022 20:48

Tgt Ion: 84 Resp: 20164

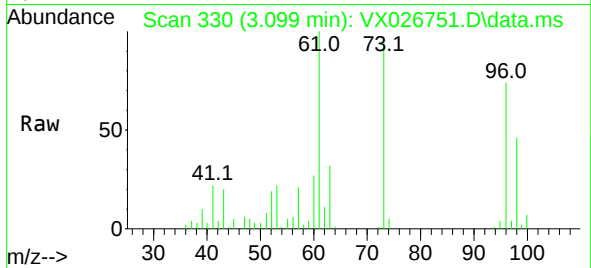
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 120.1 | 97.8  | 146.8 |
| 51  | 38.8  | 31.1  | 46.7  |
| 86  | 63.4  | 51.3  | 76.9  |





#19  
trans-1,2-Dichloroethene  
Concen: 21.307 ug/l  
RT: 3.099 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

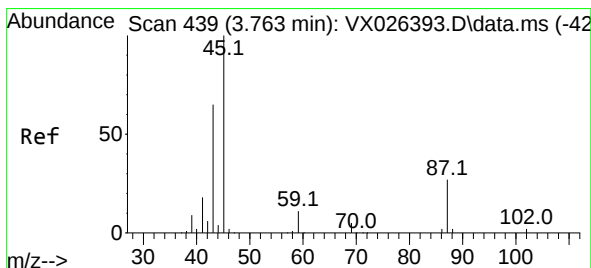
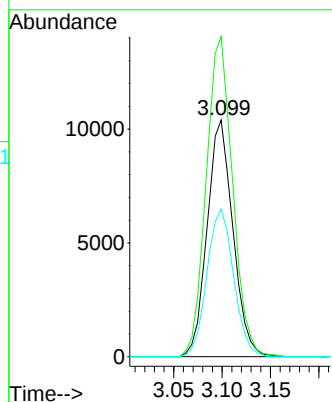
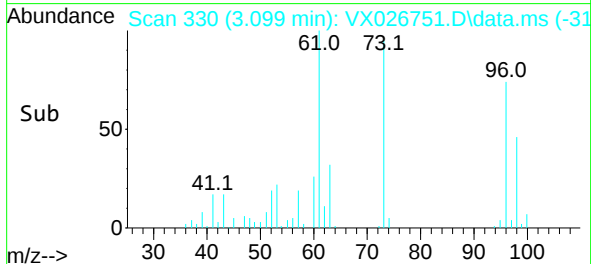
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



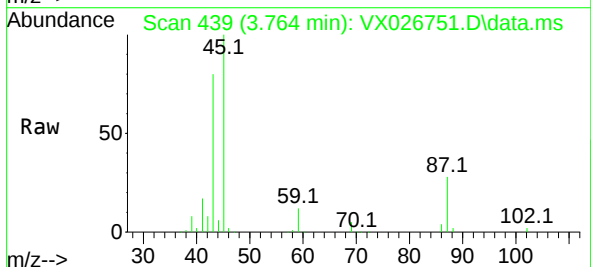
Tgt Ion: 96 Resp: 19279  
Ion Ratio Lower Upper  
96 100  
61 135.2 114.3 171.5  
98 62.3 52.6 78.8

Manual Integrations  
APPROVED

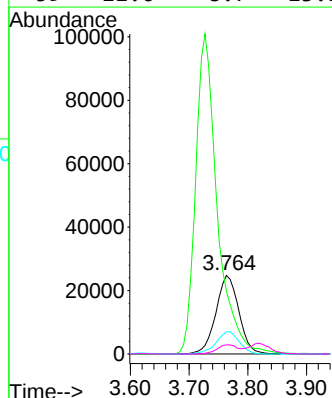
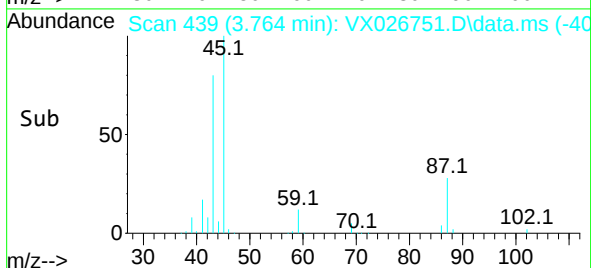
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022

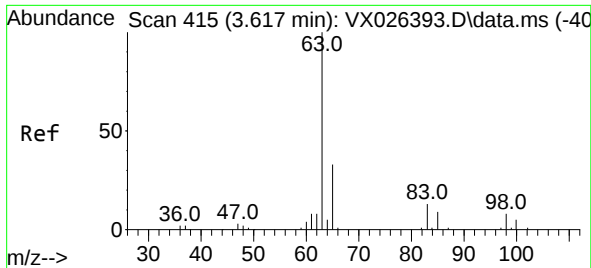


#20  
Diisopropyl ether  
Concen: 21.289 ug/l  
RT: 3.764 min Scan# 439  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48



Tgt Ion: 45 Resp: 67028  
Ion Ratio Lower Upper  
45 100  
43 78.7 56.2 84.2  
87 28.1 21.5 32.3  
59 11.6 8.7 13.1





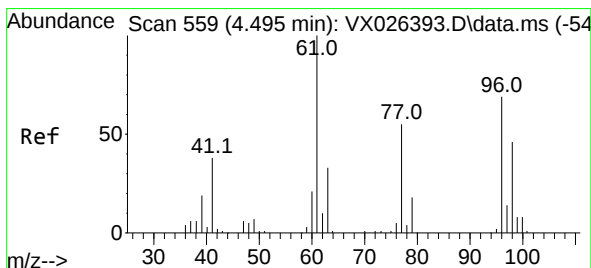
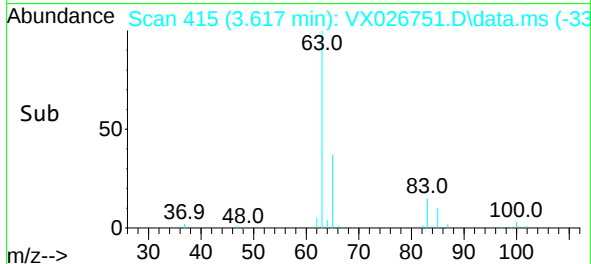
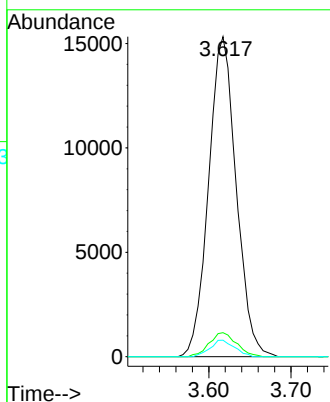
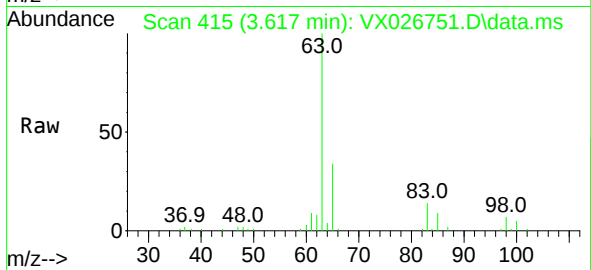
#21  
1,1-Dichloroethane  
Concen: 20.664 ug/l  
RT: 3.617 min Scan# 415  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 63 Resp: 35819  
Ion Ratio Lower Upper  
63 100  
98 7.5 3.8 11.2  
100 5.2 2.4 7.1

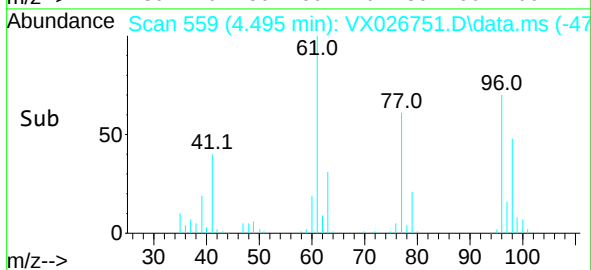
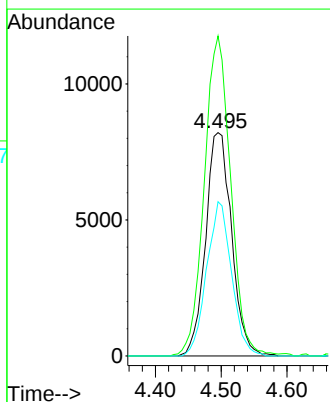
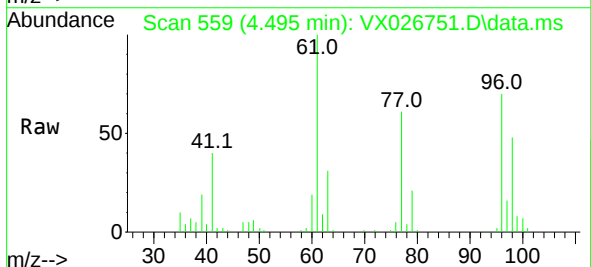
Manual Integrations  
APPROVED

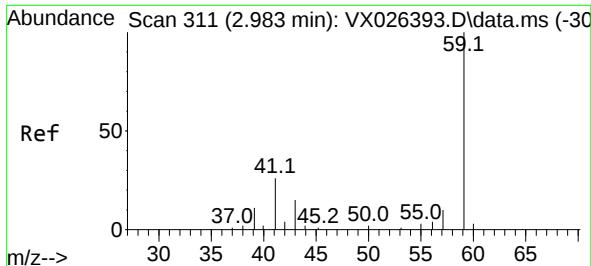
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022



#22  
cis-1,2-Dichloroethene  
Concen: 21.323 ug/l  
RT: 4.495 min Scan# 559  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

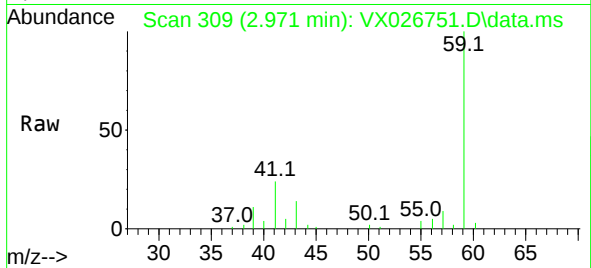
Tgt Ion: 96 Resp: 22572  
Ion Ratio Lower Upper  
96 100  
61 145.5 121.8 182.6  
98 66.1 52.6 78.8





#23  
tert-Butyl Alcohol  
Concen: 111.092 ug/l  
RT: 2.971 min Scan# 309  
Delta R.T. -0.012 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

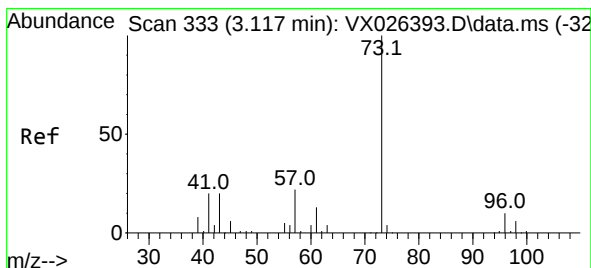
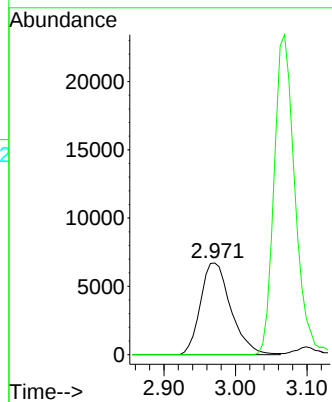
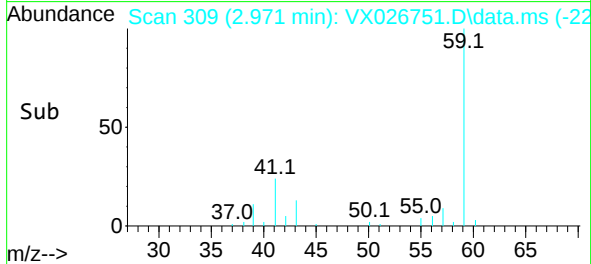
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 59 Resp: 19820  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0

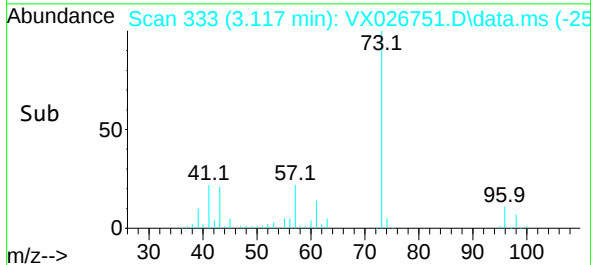
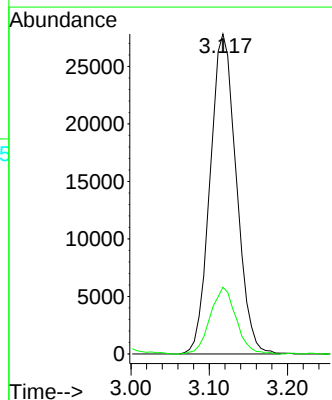
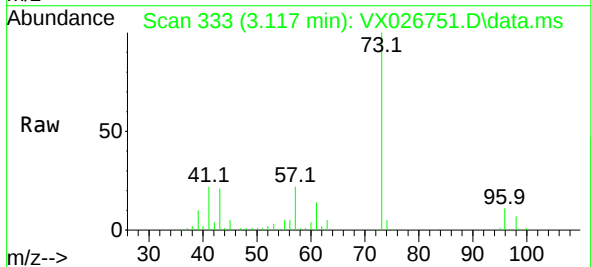
Manual Integrations  
APPROVED

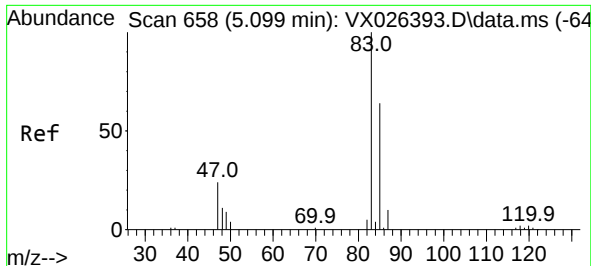
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022



#24  
Methyl tert-Butyl Ether  
Concen: 20.677 ug/l  
RT: 3.117 min Scan# 333  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

Tgt Ion: 73 Resp: 64724  
Ion Ratio Lower Upper  
73 100  
43 20.5 17.1 25.7





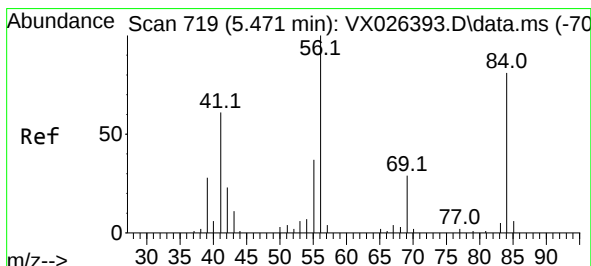
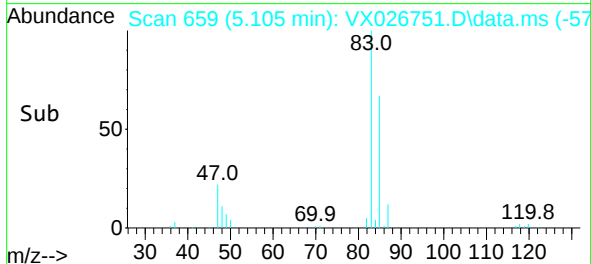
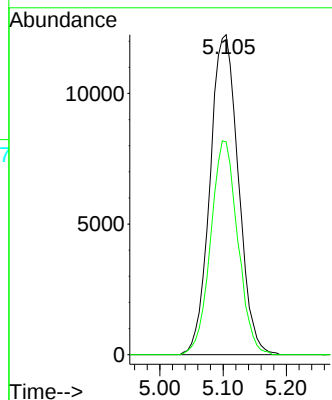
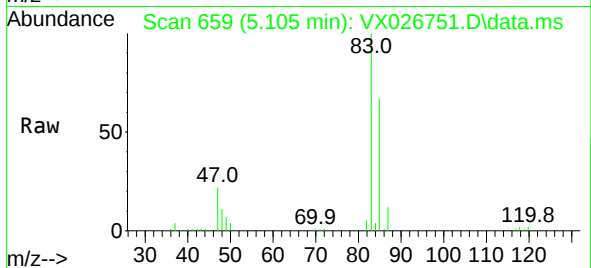
#25  
Chloroform  
Concen: 21.210 ug/l  
RT: 5.105 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 83 Resp: 3809  
Ion Ratio Lower Upper  
83 100  
85 66.5 50.8 76.2

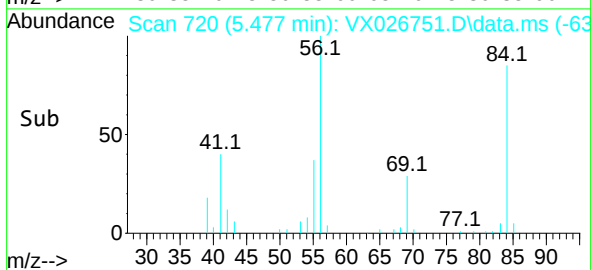
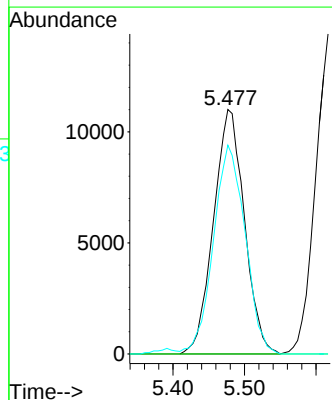
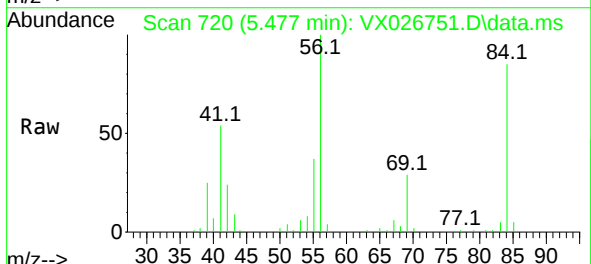
Manual Integrations  
APPROVED

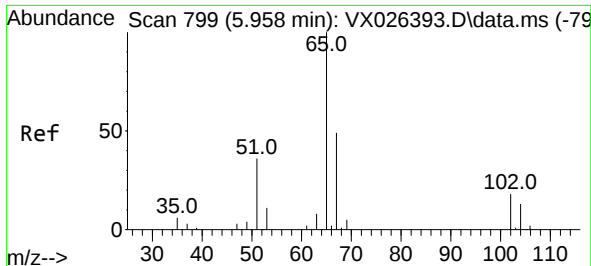
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022



#26  
Cyclohexane  
Concen: 20.811 ug/l  
RT: 5.477 min Scan# 720  
Delta R.T. 0.006 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

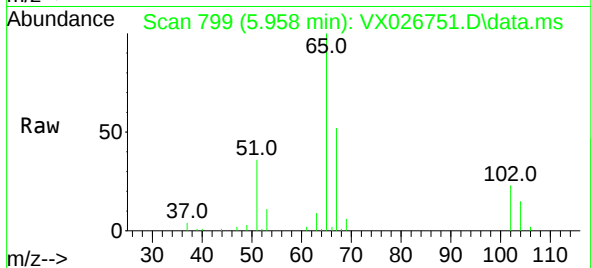
Tgt Ion: 56 Resp: 32997  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 87.8 70.6 106.0





#27  
1,2-Dichloroethane-d4  
Concen: 27.214 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

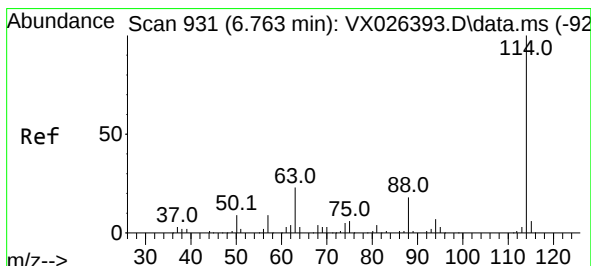
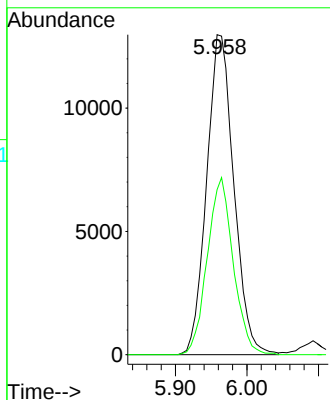
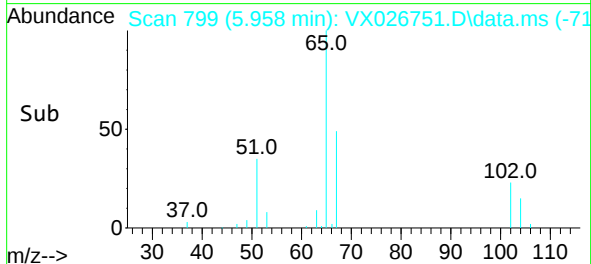
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



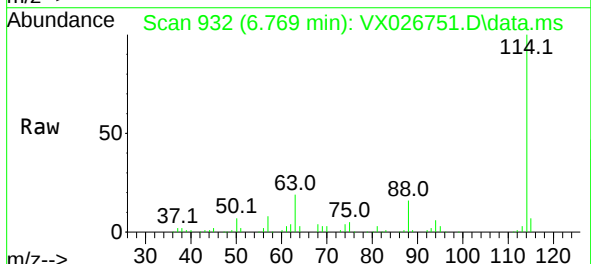
Tgt Ion: 65 Resp: 3426  
Ion Ratio Lower Upper  
65 100  
67 52.8 39.6 59.4

Manual Integrations  
APPROVED

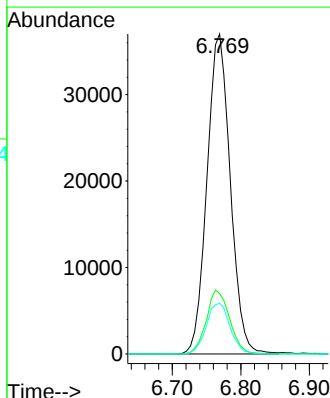
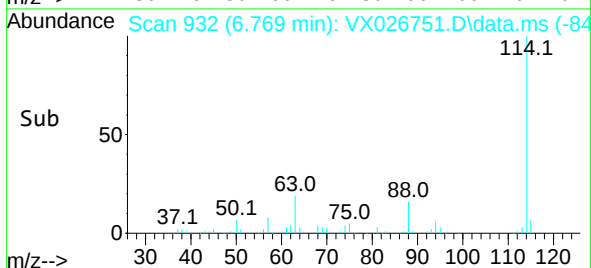
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022

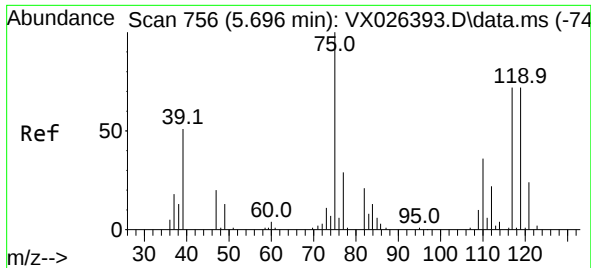


#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.006 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48



Tgt Ion:114 Resp: 87360  
Ion Ratio Lower Upper  
114 100  
63 20.0 17.4 26.2  
88 16.2 13.5 20.3





#29

1,1-Dichloropropene

Concen: 20.176 ug/l

RT: 5.696 min Scan# 756

Delta R.T. 0.000 min

Lab File: VX026751.D

Acq: 02 Feb 2022 20:48

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

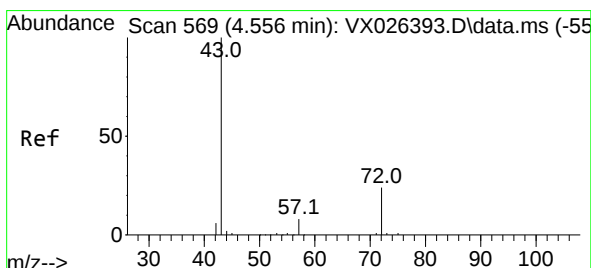
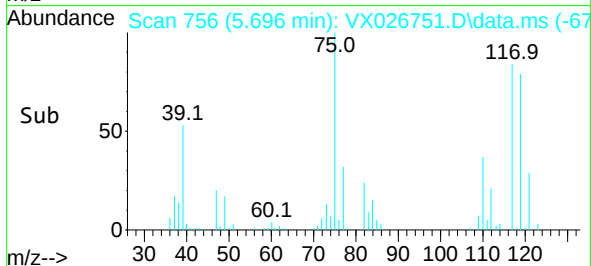
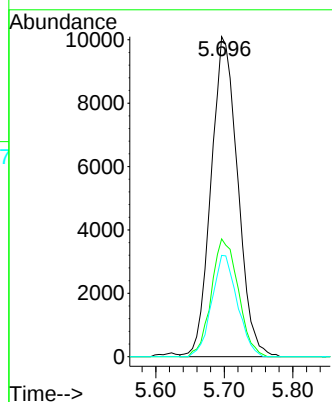
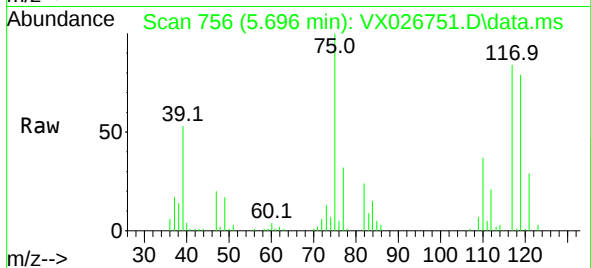
|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 2722  |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 110 37.2    | 0.0 70.6    |
| 77 30.3     | 0.0 62.0    |

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/03/2022

Supervised By :Mahesh Dadoda 02/04/2022



#30

2-Butanone

Concen: 102.546 ug/l

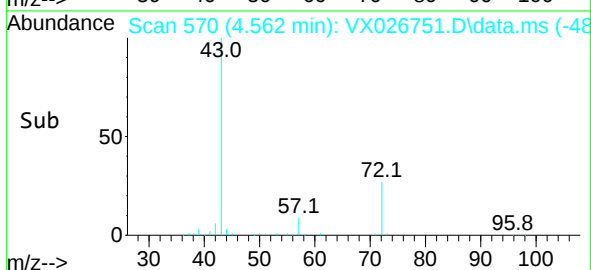
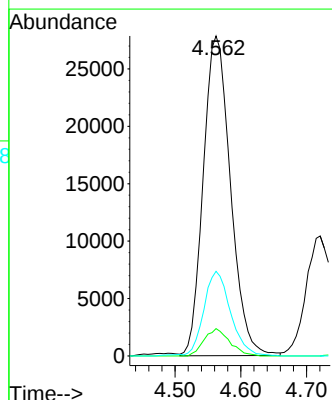
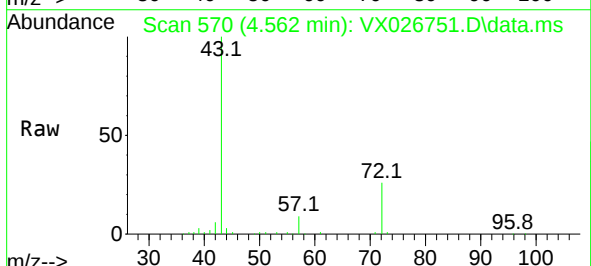
RT: 4.562 min Scan# 570

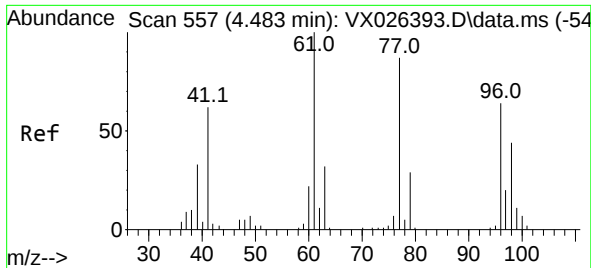
Delta R.T. 0.006 min

Lab File: VX026751.D

Acq: 02 Feb 2022 20:48

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 80353 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 57 8.0      | 6.3 9.5     |
| 72 25.8     | 19.8 29.6   |





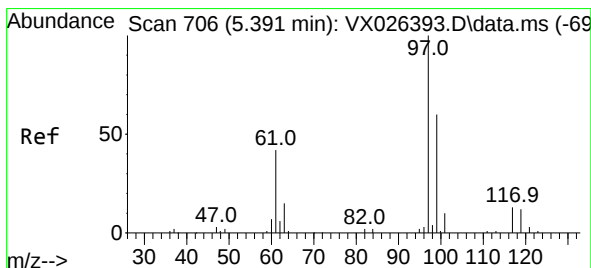
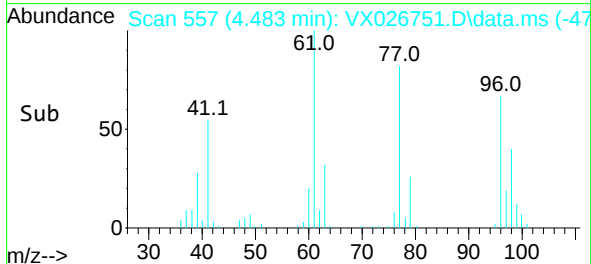
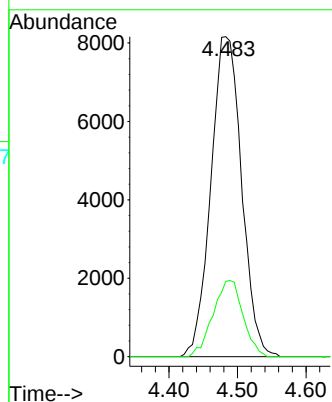
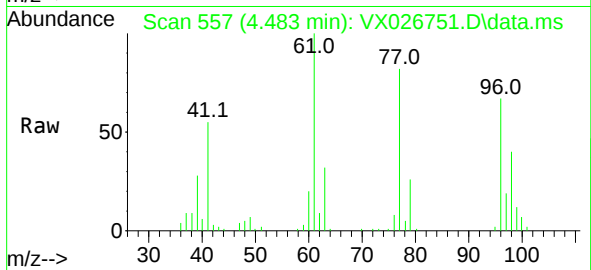
#31  
2,2-Dichloropropane  
Concen: 18.185 ug/l  
RT: 4.483 min Scan# 514  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 77 Resp: 25414  
Ion Ratio Lower Upper  
77 100  
97 23.2 17.6 26.4

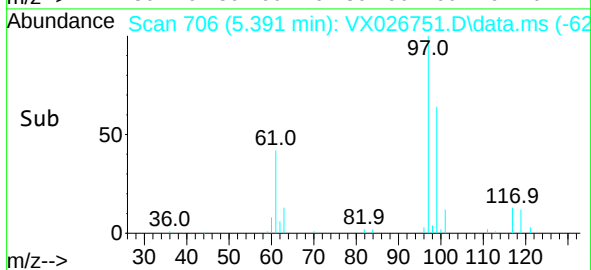
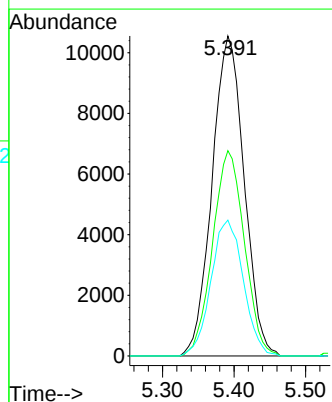
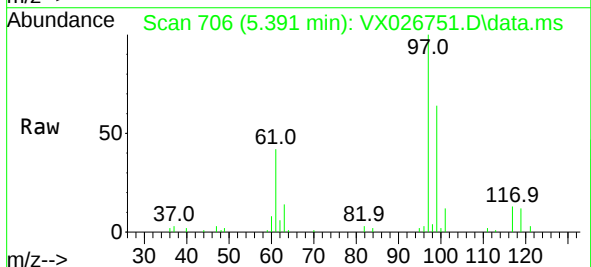
Manual Integrations  
APPROVED

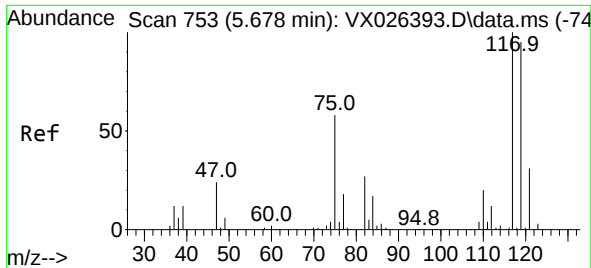
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022



#32  
1,1,1-Trichloroethane  
Concen: 20.011 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

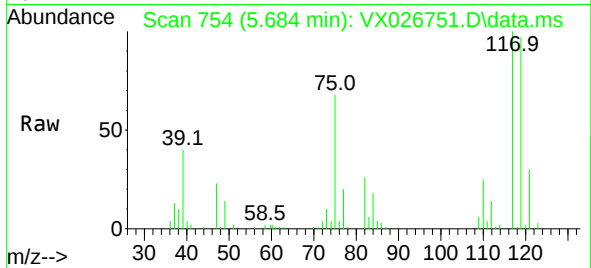
Tgt Ion: 97 Resp: 32870  
Ion Ratio Lower Upper  
97 100  
99 63.5 50.9 76.3  
61 42.8 34.9 52.3





#33  
Carbon Tetrachloride  
Concen: 19.710 ug/l  
RT: 5.684 min Scan# 754  
Delta R.T. 0.006 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

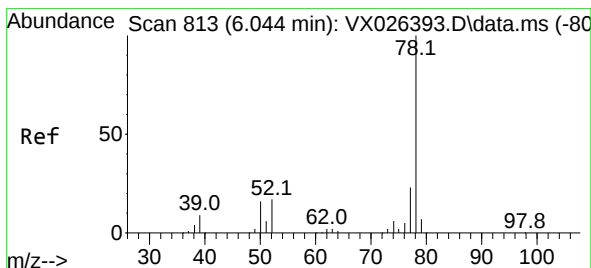
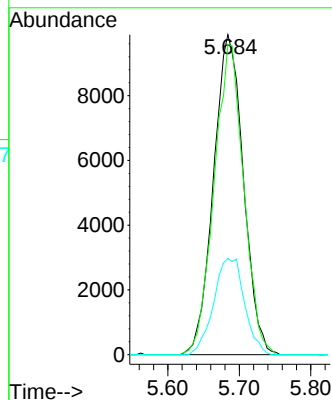
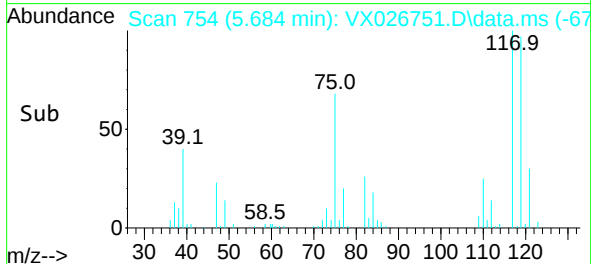
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:117 Resp: 2868  
Ion Ratio Lower Upper  
117 100  
119 97.0 75.9 113.9  
121 30.1 25.2 37.8

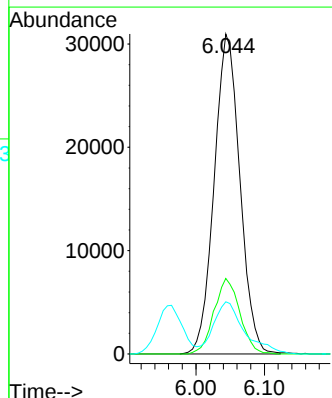
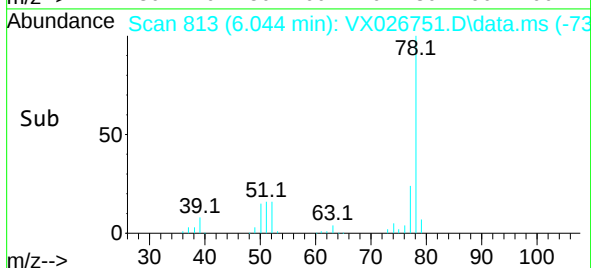
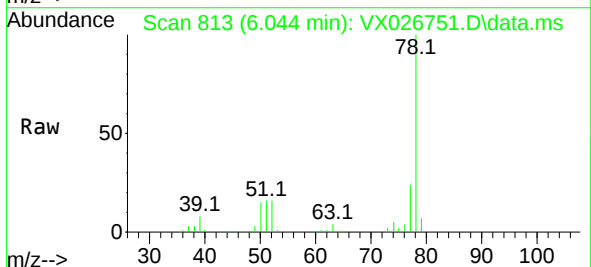
Manual Integrations  
APPROVED

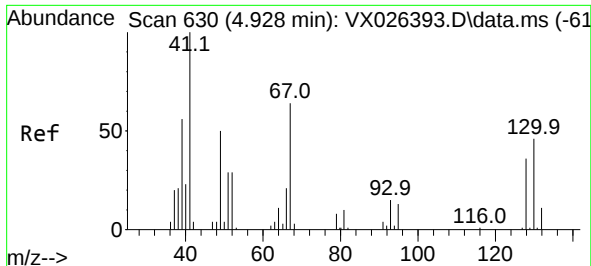
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022



#34  
Benzene  
Concen: 21.553 ug/l  
RT: 6.044 min Scan# 813  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

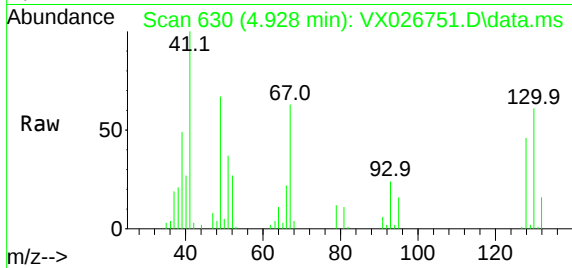
Tgt Ion: 78 Resp: 80633  
Ion Ratio Lower Upper  
78 100  
77 23.6 18.7 28.1  
51 15.5 13.5 20.3





#35  
Methacrylonitrile  
Concen: 21.098 ug/l  
RT: 4.928 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

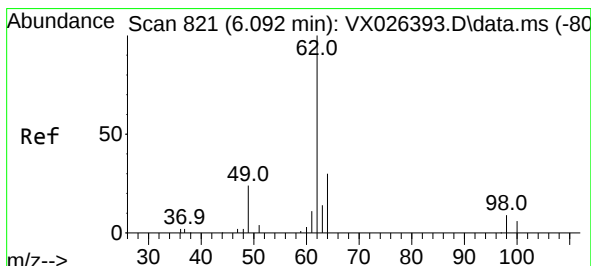
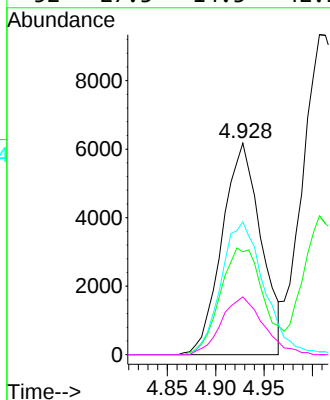
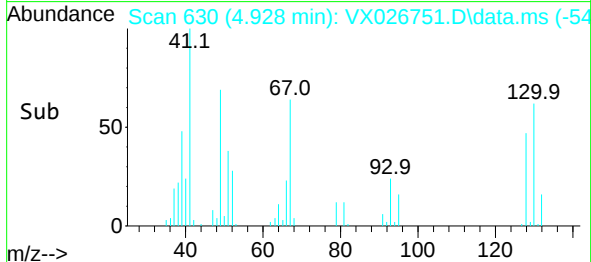
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 41 Resp: 1732  
Ion Ratio Lower Upper  
41 100  
39 48.6 27.8 83.4  
67 62.8 32.1 96.3  
52 27.3 14.3 42.9

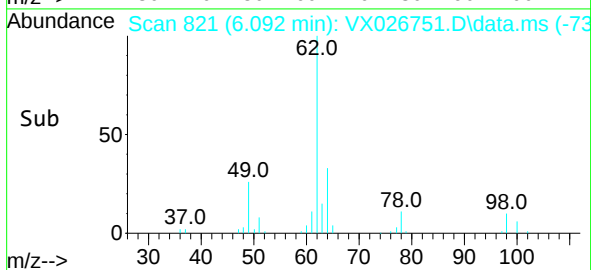
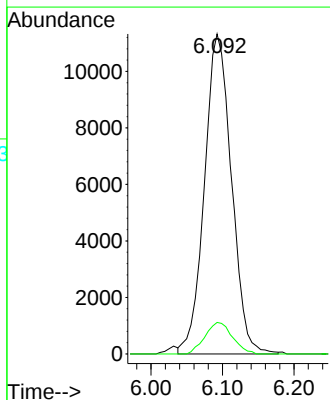
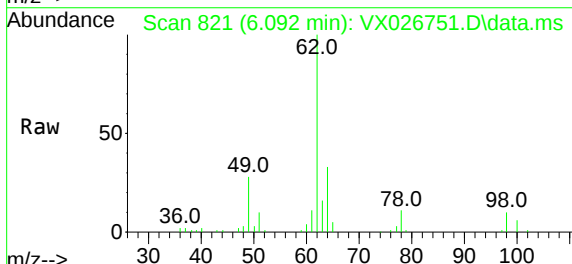
Manual Integrations  
APPROVED

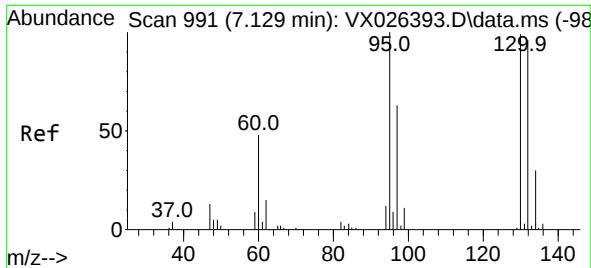
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022



#36  
1,2-Dichloroethane  
Concen: 19.661 ug/l  
RT: 6.092 min Scan# 821  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

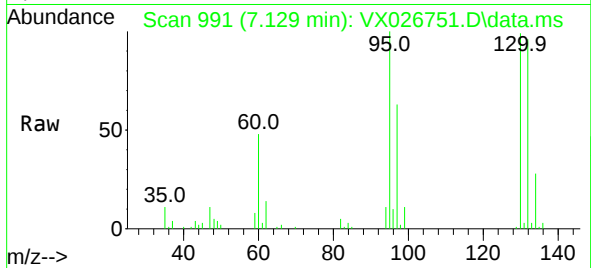
Tgt Ion: 62 Resp: 29708  
Ion Ratio Lower Upper  
62 100  
98 10.0 6.9 10.3





#37  
Trichloroethene  
Concen: 22.081 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

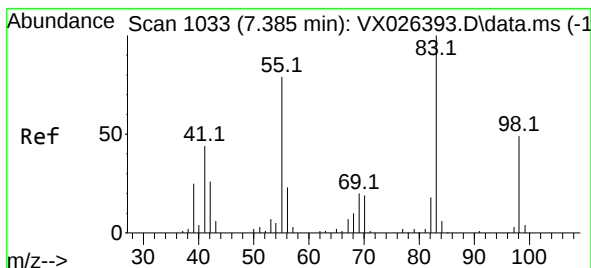
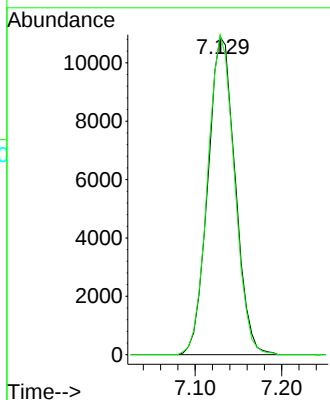
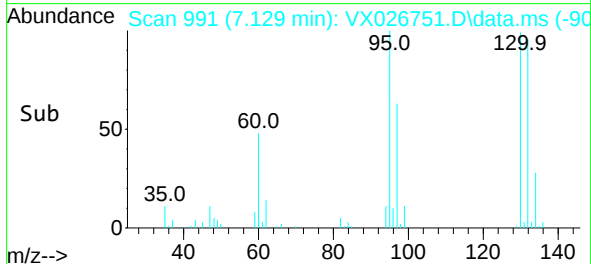
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



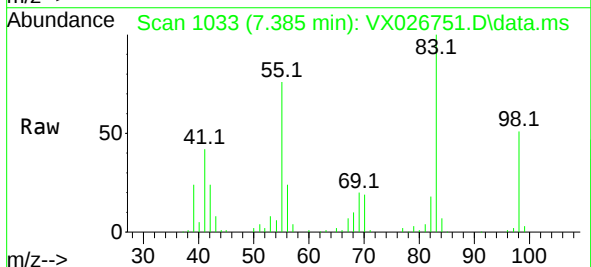
Tgt Ion:130 Resp: 2385  
Ion Ratio Lower Upper  
130 100  
95 100.7 81.0 121.4

Manual Integrations  
APPROVED

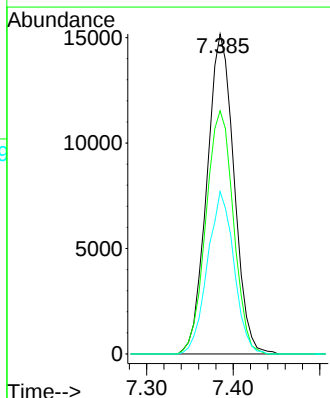
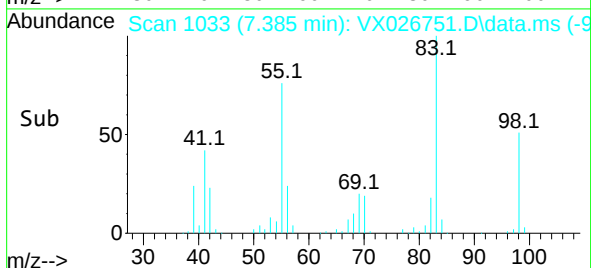
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022

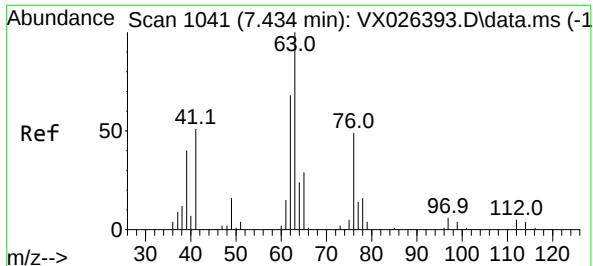


#38  
Methylcyclohexane  
Concen: 20.385 ug/l  
RT: 7.385 min Scan# 1033  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48



Tgt Ion: 83 Resp: 32961  
Ion Ratio Lower Upper  
83 100  
55 77.1 39.9 119.6  
98 49.6 24.6 73.6





#39

1,2-Dichloropropane

Concen: 21.845 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VX026751.D

Acq: 02 Feb 2022 20:48

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 2089

Ion Ratio Lower Upper

63 100

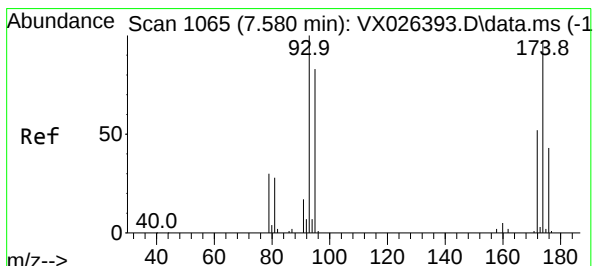
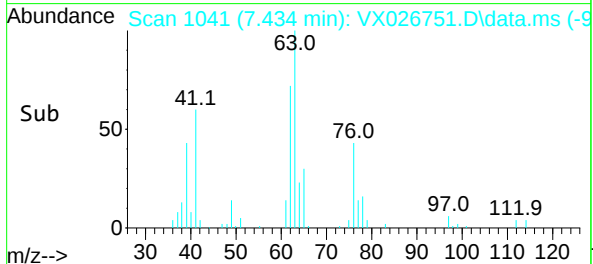
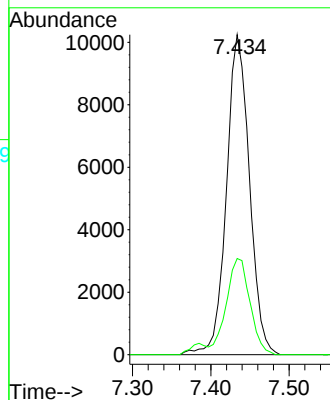
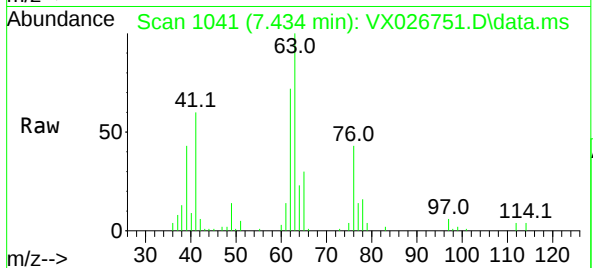
65 30.1 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/03/2022

Supervised By :Mahesh Dadoda 02/04/2022



#40

Dibromomethane

Concen: 21.689 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VX026751.D

Acq: 02 Feb 2022 20:48

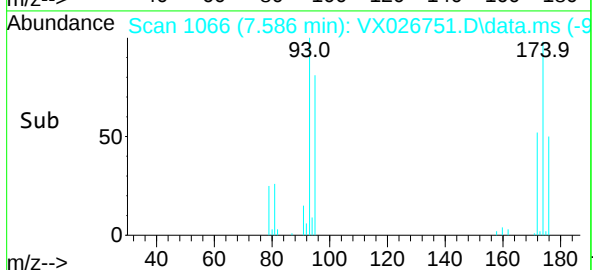
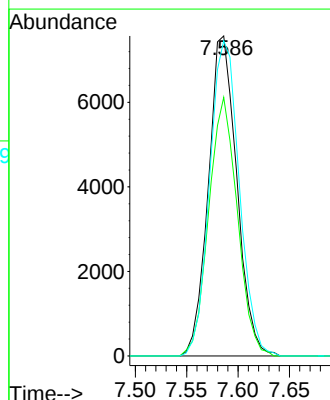
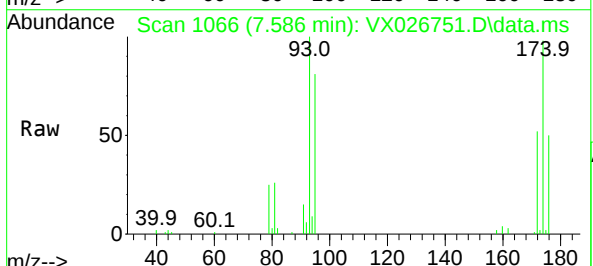
Tgt Ion: 93 Resp: 14576

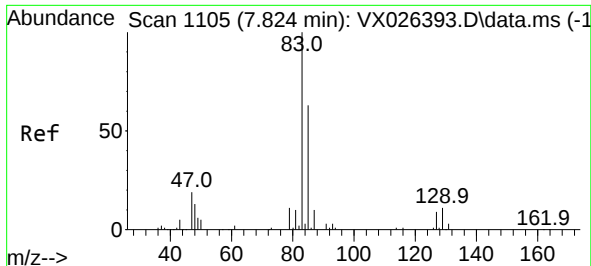
Ion Ratio Lower Upper

93 100

95 80.9 0.0 164.6

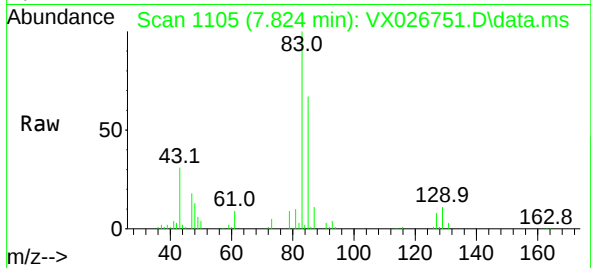
174 102.5 0.0 198.0





#41  
Bromodichloromethane  
Concen: 20.400 ug/l  
RT: 7.824 min Scan# 1105  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

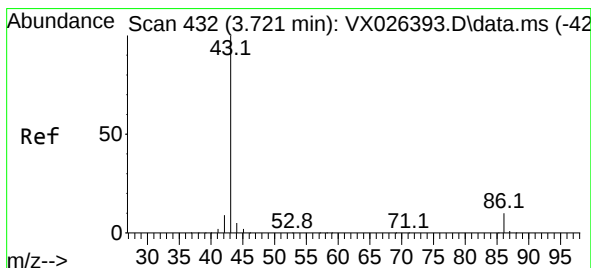
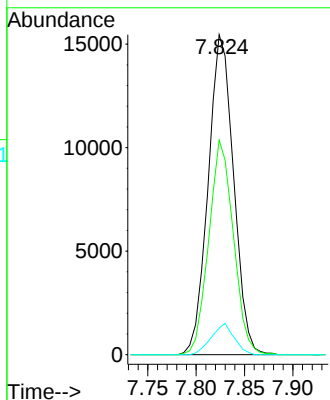
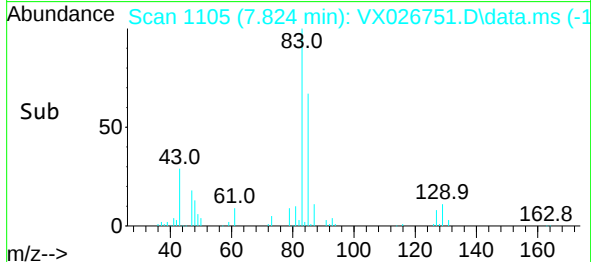
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



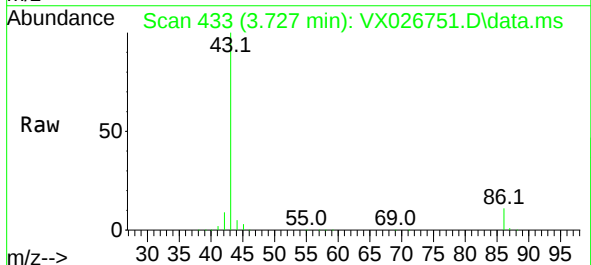
Tgt Ion: 83 Resp: 2829  
Ion Ratio Lower Upper  
83 100  
85 67.1 50.6 76.0  
127 8.3 7.0 10.6

Manual Integrations  
APPROVED

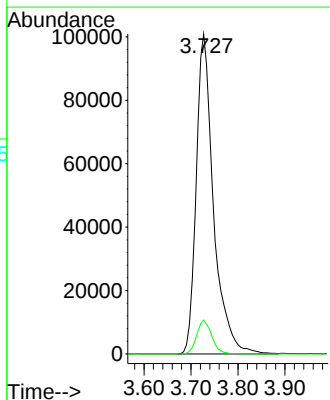
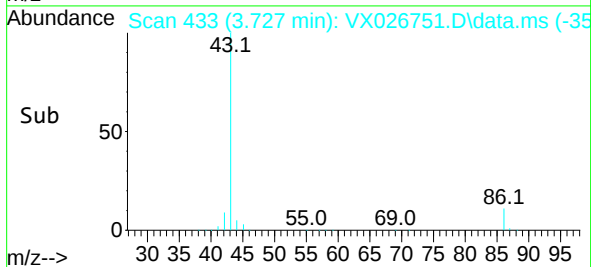
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022

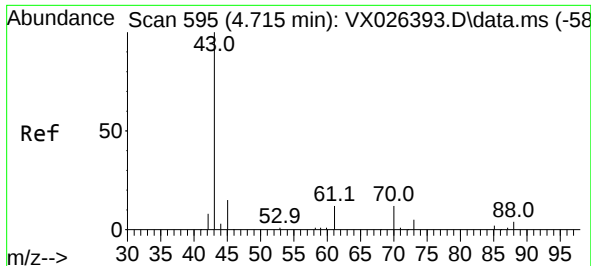


#42  
Vinyl Acetate  
Concen: 106.406 ug/l  
RT: 3.727 min Scan# 433  
Delta R.T. 0.006 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48



Tgt Ion: 43 Resp: 258322  
Ion Ratio Lower Upper  
43 100  
86 9.2 7.1 10.7





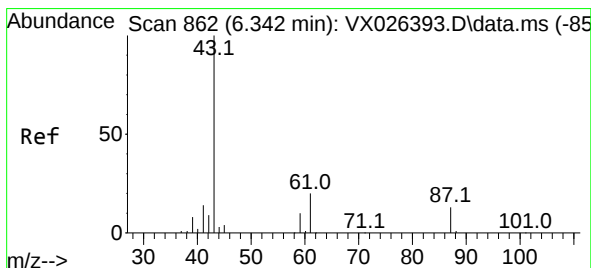
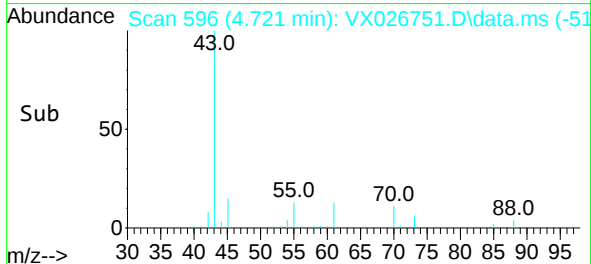
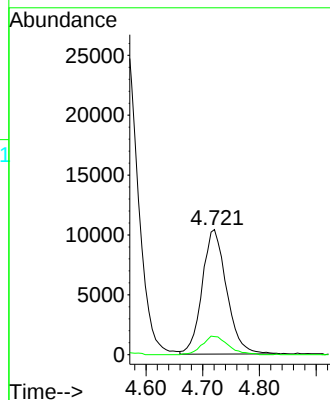
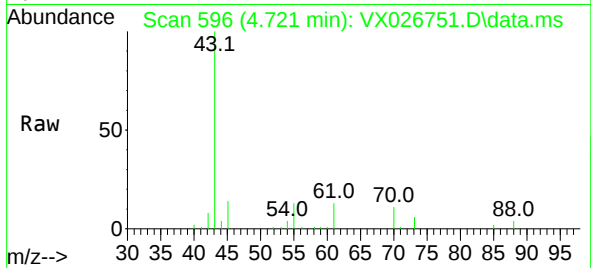
#43  
Ethyl Acetate  
Concen: 21.929 ug/l  
RT: 4.721 min Scan# 595  
Delta R.T. 0.006 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 43 Resp: 3124  
Ion Ratio Lower Upper  
43 100  
45 15.8 12.3 18.5

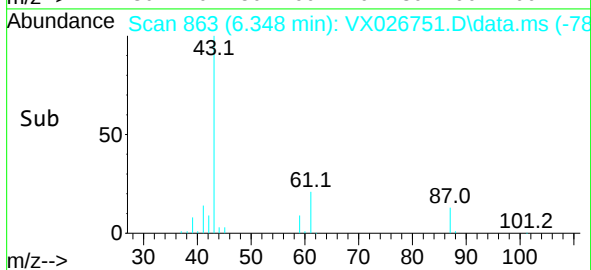
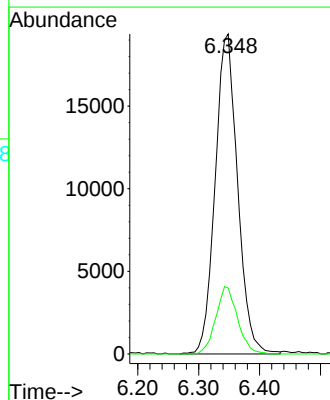
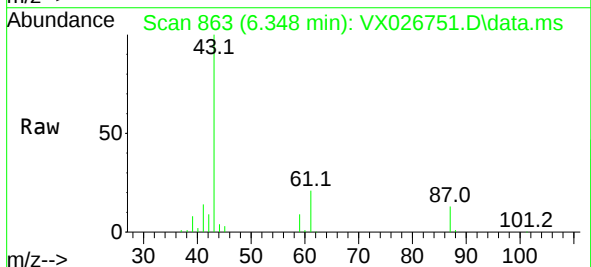
Manual Integrations  
APPROVED

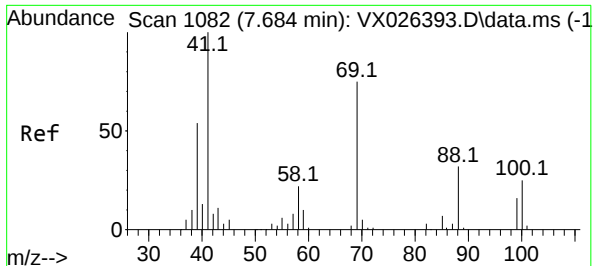
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022



#44  
Isopropyl Acetate  
Concen: 21.078 ug/l  
RT: 6.348 min Scan# 863  
Delta R.T. 0.006 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

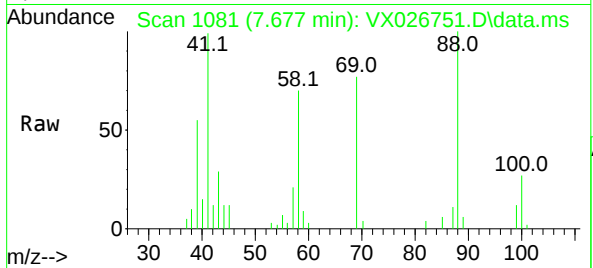
Tgt Ion: 43 Resp: 49564  
Ion Ratio Lower Upper  
43 100  
61 20.3 15.4 23.2





#45  
1,4-Dioxane  
Concen: 473.949 ug/l  
RT: 7.677 min Scan# 1081  
Delta R.T. -0.006 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

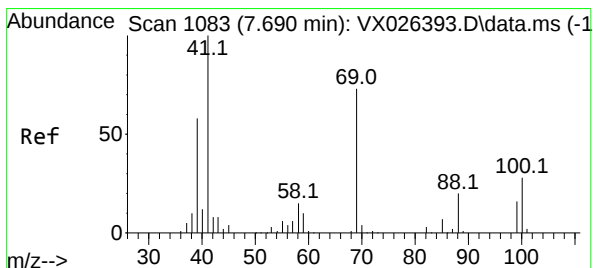
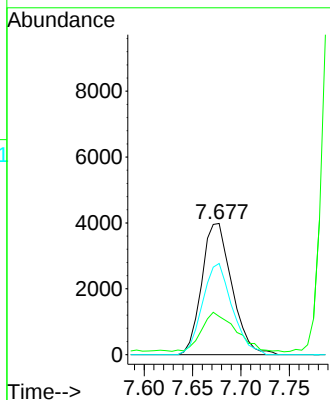
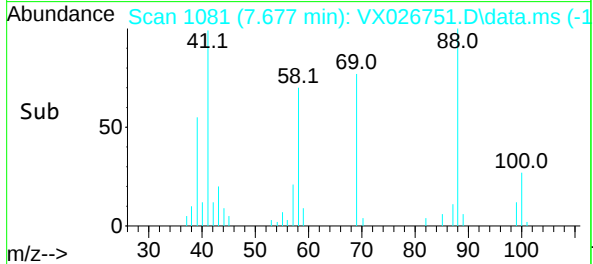
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



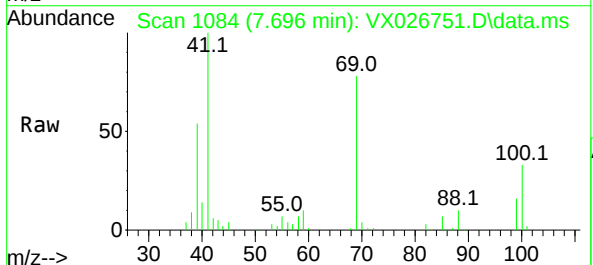
Tgt Ion: 88 Resp: 8638  
Ion Ratio Lower Upper  
88 100  
43 33.9 29.0 43.6  
58 68.4 56.2 84.4

Manual Integrations  
APPROVED

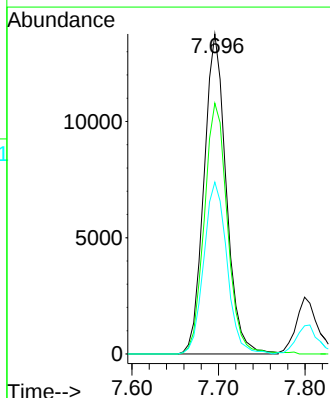
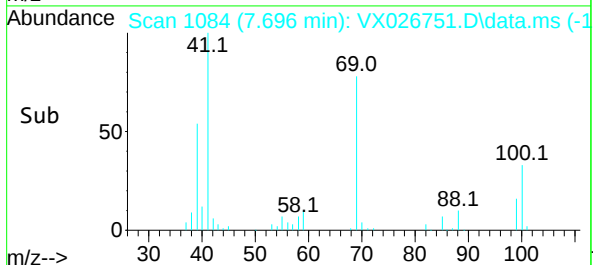
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022

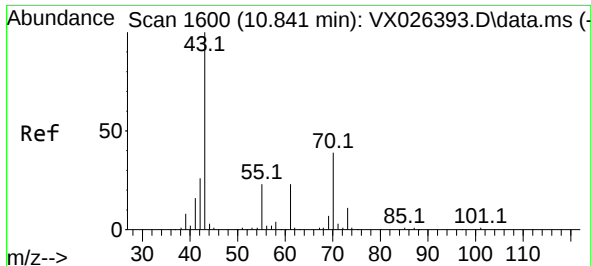


#46  
Methyl methacrylate  
Concen: 21.359 ug/l  
RT: 7.696 min Scan# 1084  
Delta R.T. 0.006 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48



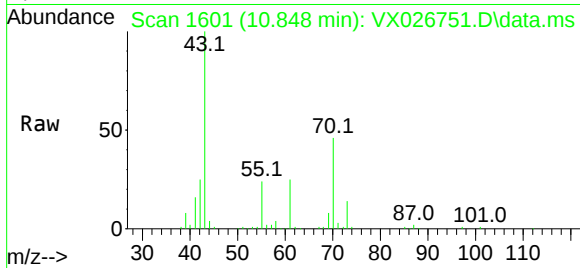
Tgt Ion: 41 Resp: 24636  
Ion Ratio Lower Upper  
41 100  
69 78.4 36.6 109.9  
39 53.7 29.3 87.8





#47  
n-amy1 Acetate  
Concen: 22.106 ug/l  
RT: 10.848 min Scan# 1601  
Delta R.T. 0.006 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

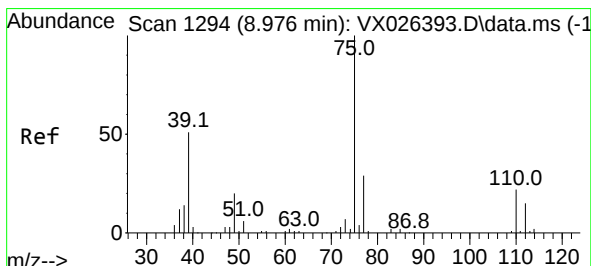
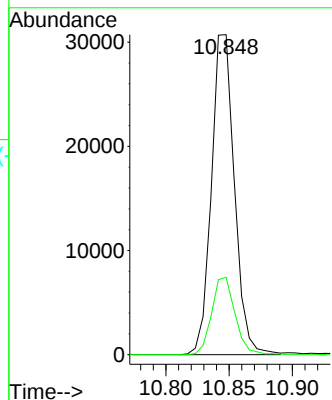
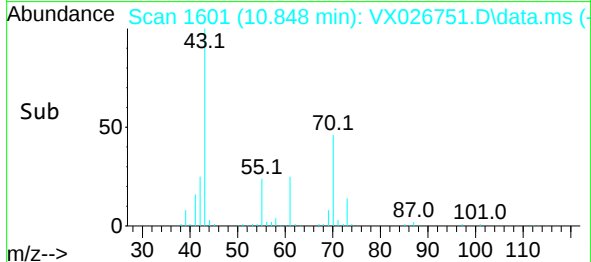
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 43 Resp: 38892  
Ion Ratio Lower Upper  
43 100  
55 24.5 18.9 28.3

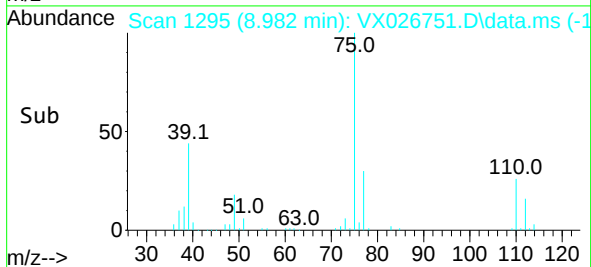
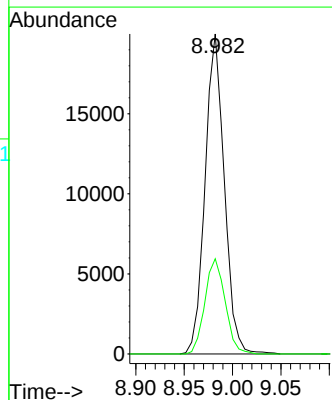
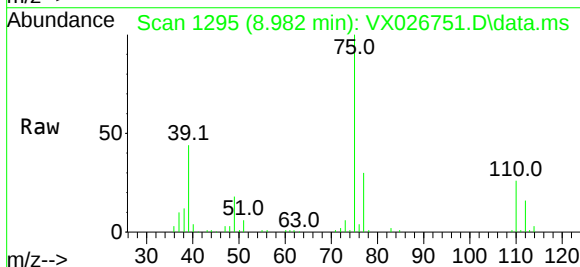
Manual Integrations  
APPROVED

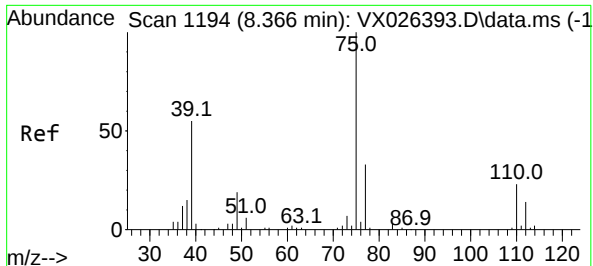
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022



#48  
t-1,3-Dichloropropene  
Concen: 19.970 ug/l  
RT: 8.982 min Scan# 1295  
Delta R.T. 0.006 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

Tgt Ion: 75 Resp: 27658  
Ion Ratio Lower Upper  
75 100  
77 29.8 23.4 35.2





#49

cis-1,3-Dichloropropene

Concen: 20.888 ug/l

RT: 8.372 min Scan# 1195

Delta R.T. 0.006 min

Lab File: VX026751.D

Acq: 02 Feb 2022 20:48

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 75 Resp: 3198

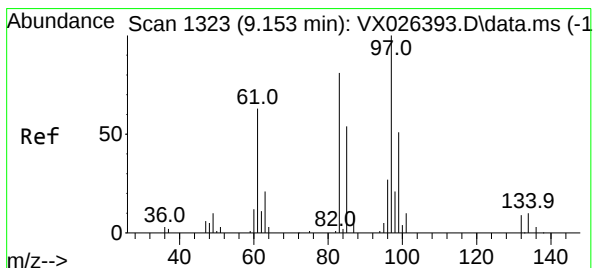
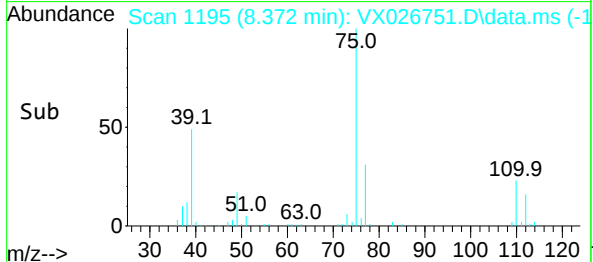
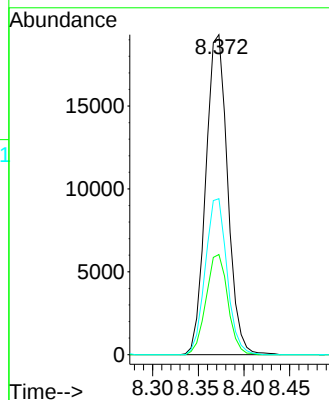
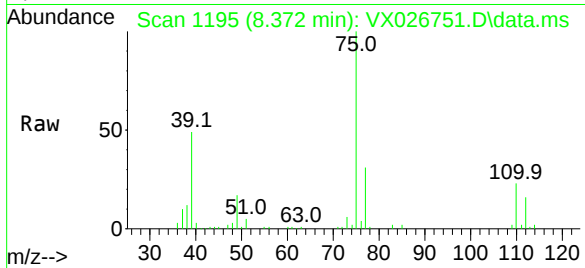
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 31.3  | 26.1  | 39.1  |
| 39  | 48.8  | 44.1  | 66.1  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/03/2022

Supervised By :Mahesh Dadoda 02/04/2022



#50

1,1,2-Trichloroethane

Concen: 22.518 ug/l

RT: 9.153 min Scan# 1323

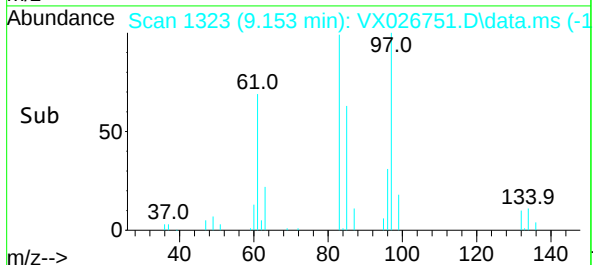
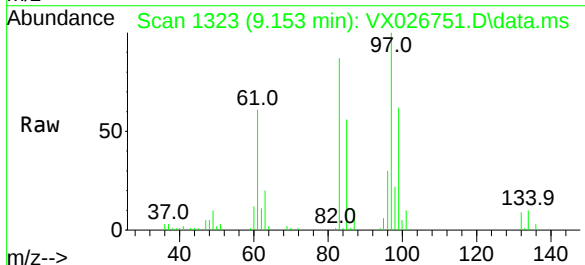
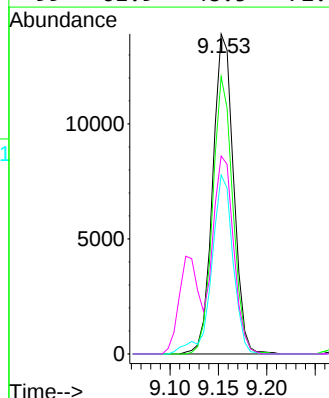
Delta R.T. 0.000 min

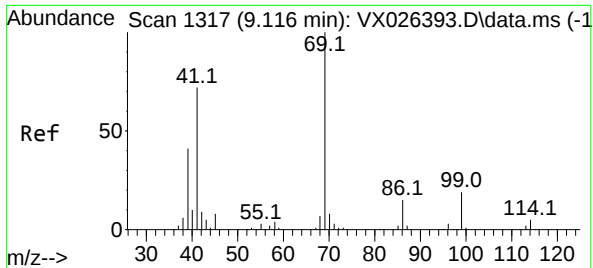
Lab File: VX026751.D

Acq: 02 Feb 2022 20:48

Tgt Ion: 97 Resp: 20808

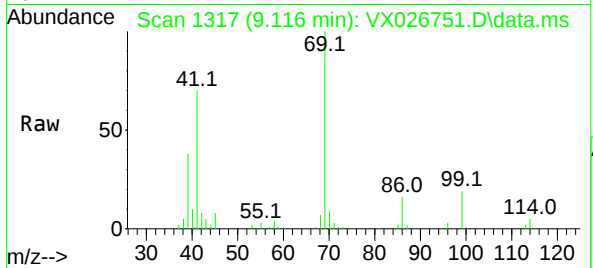
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 86.7  | 64.6  | 96.8  |
| 85  | 55.9  | 44.1  | 66.1  |
| 99  | 61.9  | 48.5  | 72.7  |





#51  
Ethyl methacrylate  
Concen: 21.908 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

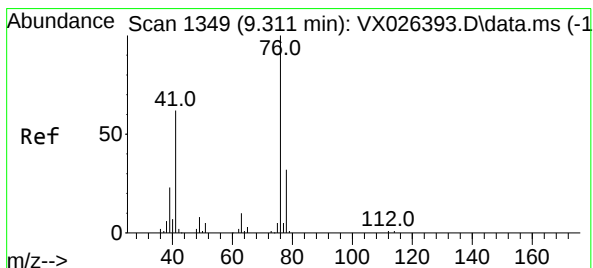
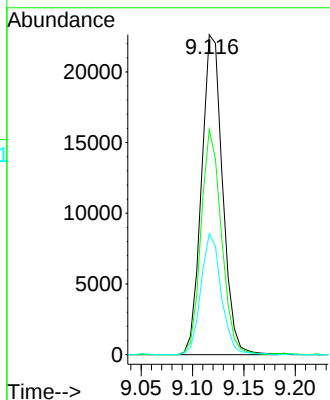
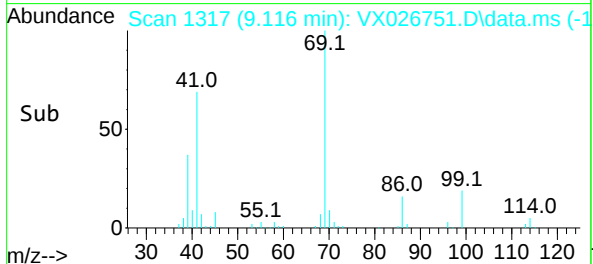
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



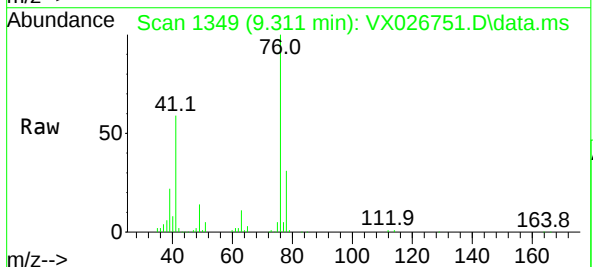
Tgt Ion: 69 Resp: 32278  
Ion Ratio Lower Upper  
69 100  
41 70.3 35.9 107.7  
39 37.8 20.3 61.0

Manual Integrations  
APPROVED

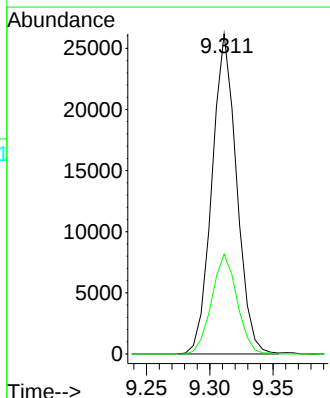
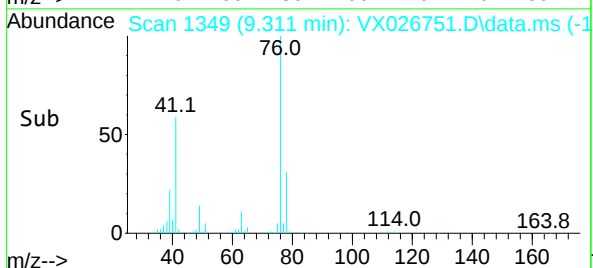
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022

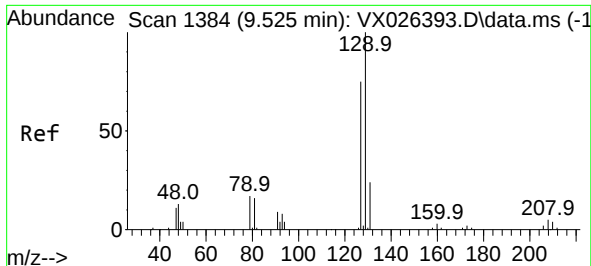


#52  
1,3-Dichloropropane  
Concen: 22.128 ug/l  
RT: 9.311 min Scan# 1349  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48



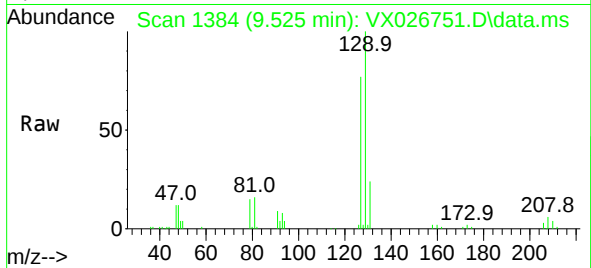
Tgt Ion: 76 Resp: 35436  
Ion Ratio Lower Upper  
76 100  
78 32.0 0.0 65.4





#53  
Dibromochloromethane  
Concen: 20.629 ug/l  
RT: 9.525 min Scan# 1384  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

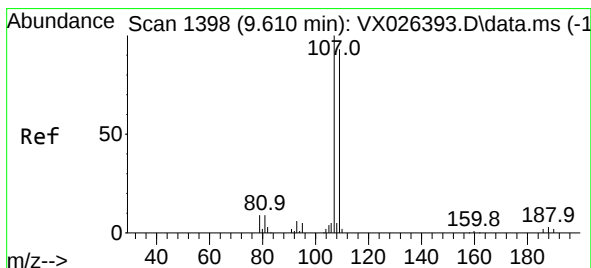
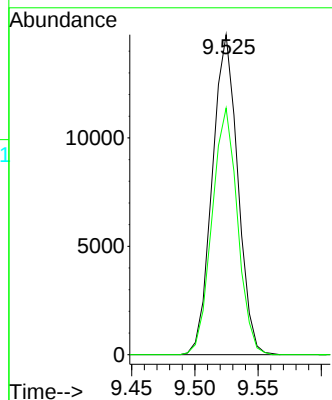
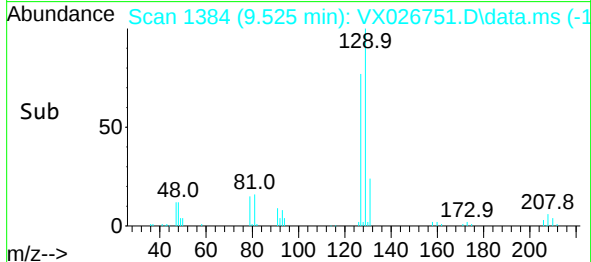
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



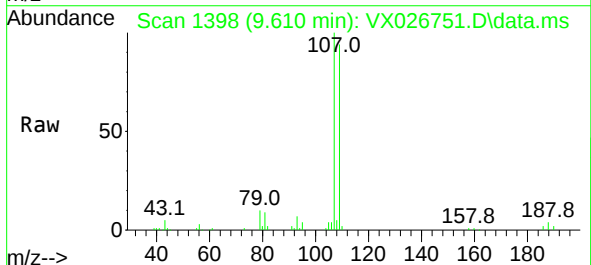
Tgt Ion:129 Resp: 20718  
Ion Ratio Lower Upper  
129 100  
127 76.8 38.3 114.9

Manual Integrations  
APPROVED

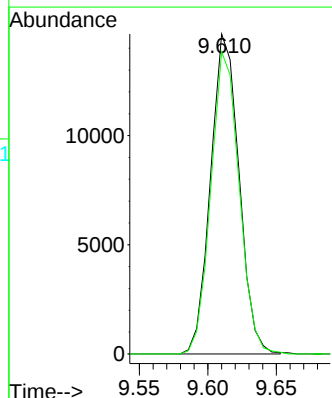
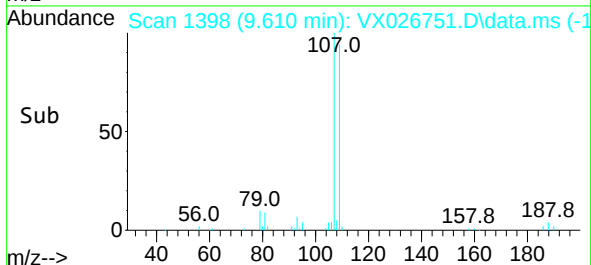
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022

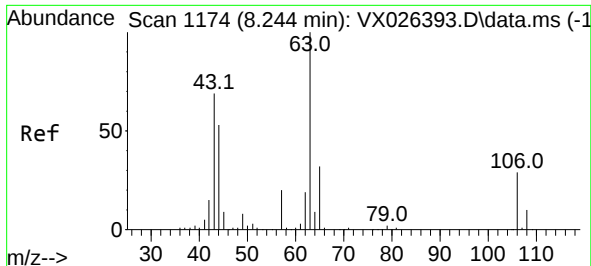


#54  
1,2-Dibromoethane  
Concen: 21.562 ug/l  
RT: 9.610 min Scan# 1398  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48



Tgt Ion:107 Resp: 21131  
Ion Ratio Lower Upper  
107 100  
109 94.0 75.1 112.7





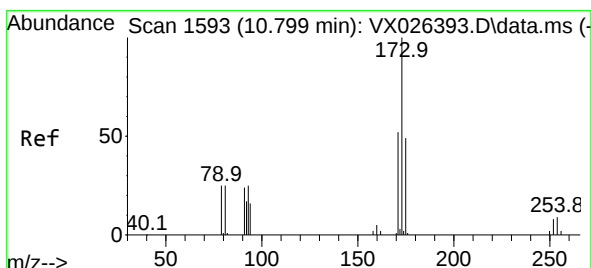
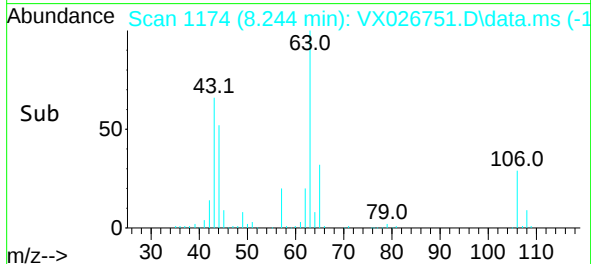
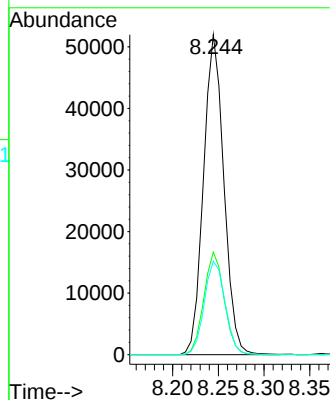
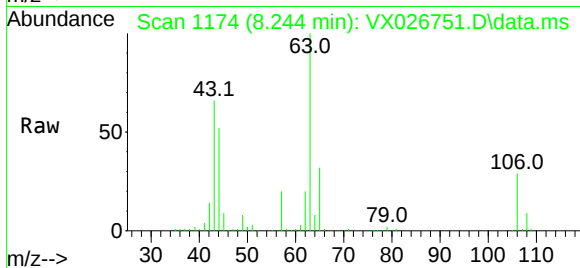
#55  
2-Chloroethyl vinyl ether  
Concen: 102.012 ug/l  
RT: 8.244 min Scan# 1174  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 63 Resp: 80395  
Ion Ratio Lower Upper  
63 100  
65 31.9 25.4 38.2  
106 29.9 23.1 34.7

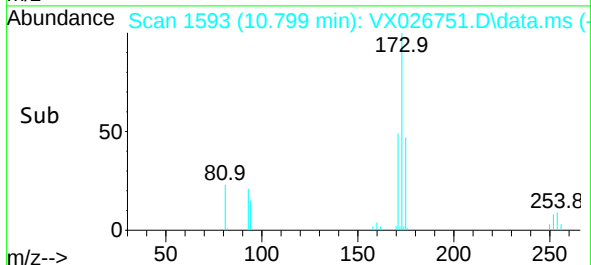
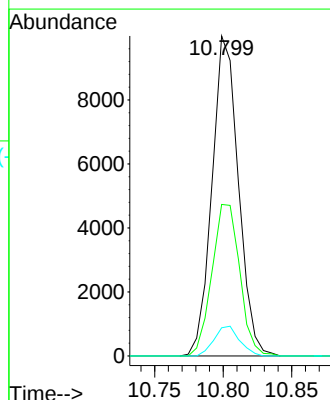
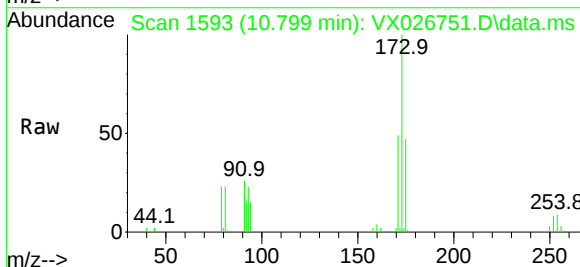
Manual Integrations  
APPROVED

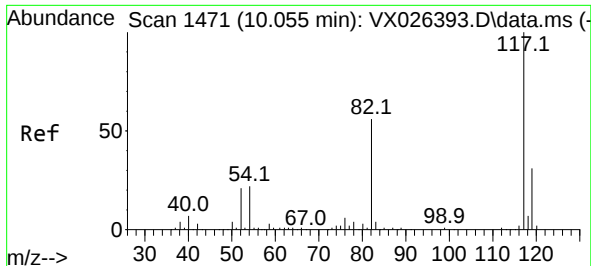
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022



#56  
Bromoform  
Concen: 20.061 ug/l  
RT: 10.799 min Scan# 1593  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

Tgt Ion:173 Resp: 13375  
Ion Ratio Lower Upper  
173 100  
175 49.9 38.0 57.0  
254 9.0 6.6 10.0





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX026751.D

Acq: 02 Feb 2022 20:48

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 117 Resp: 75090

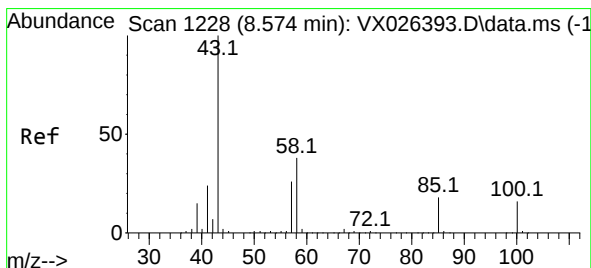
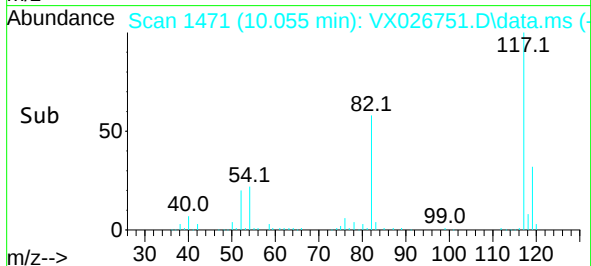
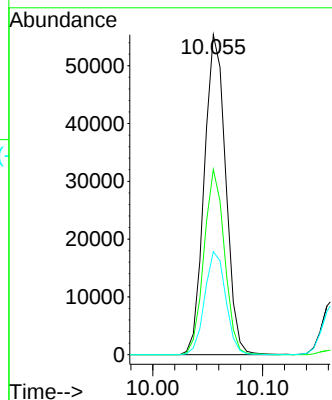
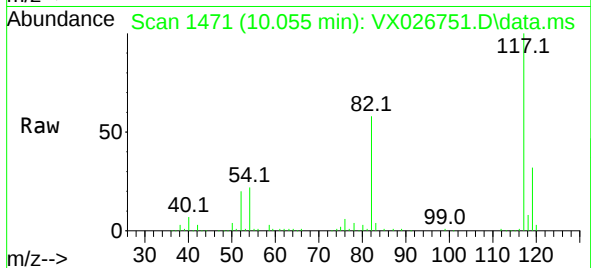
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 55.4  | 46.2  | 69.4  |
| 119 | 31.6  | 25.4  | 38.2  |

Manual Integrations

APPROVED

Reviewed By : John Carlone 02/03/2022

Supervised By : Mahesh Dadoda 02/04/2022



#58

4-Methyl-2-Pentanone

Concen: 113.203 ug/l

RT: 8.574 min Scan# 1228

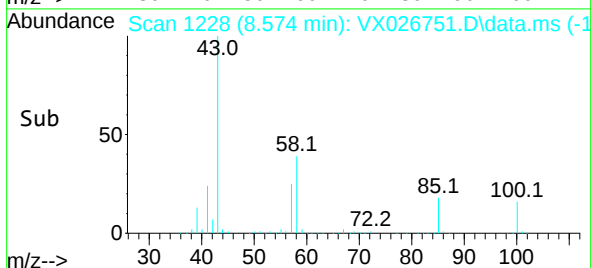
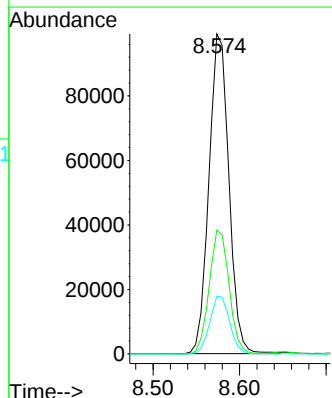
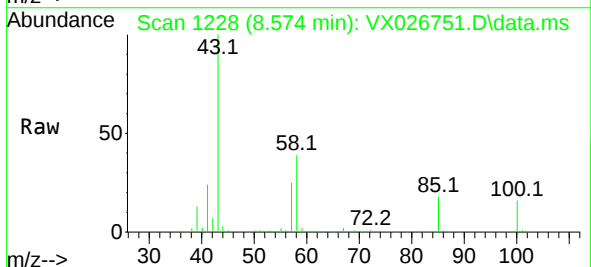
Delta R.T. 0.000 min

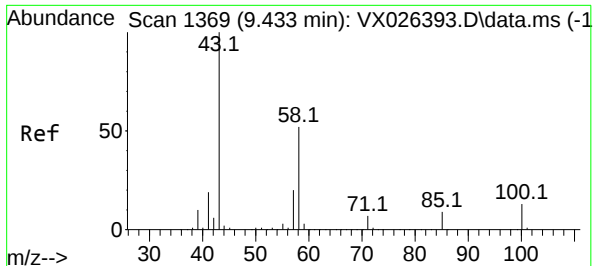
Lab File: VX026751.D

Acq: 02 Feb 2022 20:48

Tgt Ion: 43 Resp: 158555

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 38.7  | 30.2  | 45.4  |
| 85  | 18.1  | 14.1  | 21.1  |





#59

2-Hexanone

Concen: 107.510 ug/l

RT: 9.433 min Scan# 11659

Delta R.T. 0.000 min

Lab File: VX026751.D

Acq: 02 Feb 2022 20:48

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 43 Resp: 11659

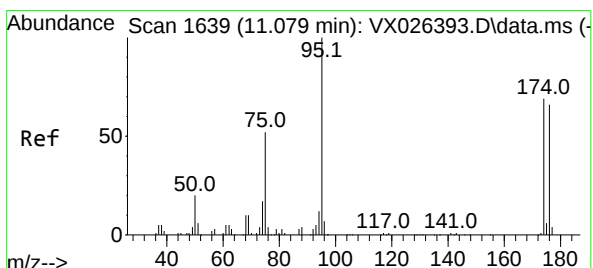
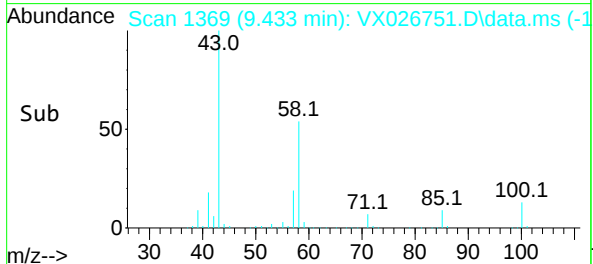
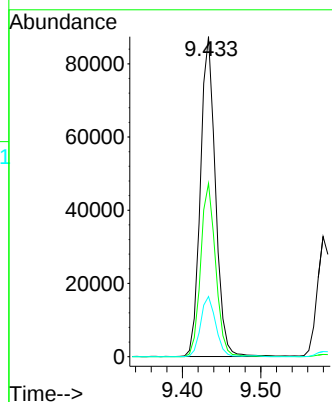
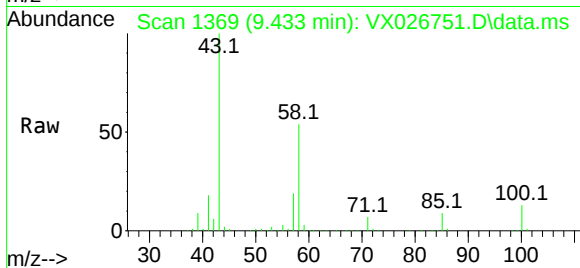
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 54.0  | 42.0  | 63.0  |
| 57  | 19.0  | 15.2  | 22.8  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/03/2022

Supervised By :Mahesh Dadoda 02/04/2022



#60

4-Bromofluorobenzene

Concen: 28.315 ug/l

RT: 11.079 min Scan# 1639

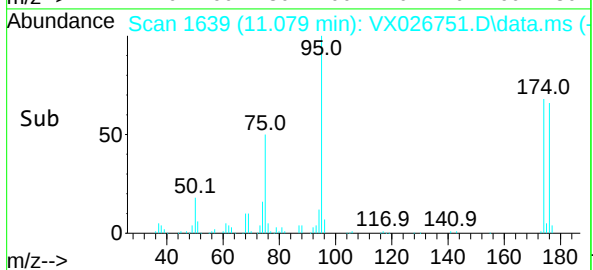
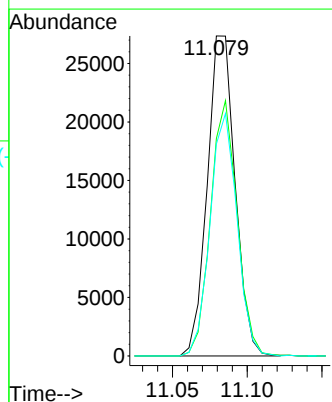
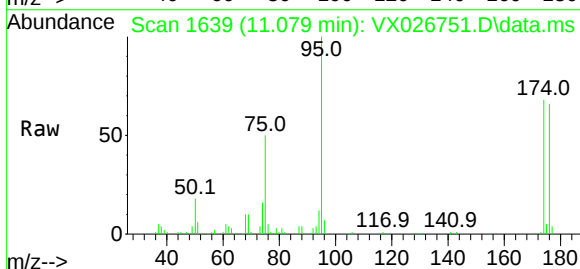
Delta R.T. 0.000 min

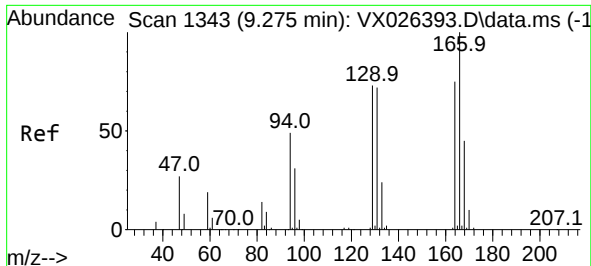
Lab File: VX026751.D

Acq: 02 Feb 2022 20:48

Tgt Ion: 95 Resp: 35484

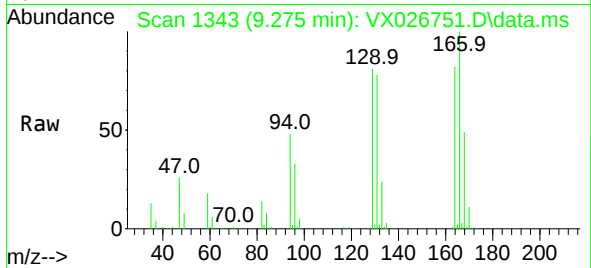
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 76.3  | 58.0  | 87.0  |
| 176 | 73.3  | 56.5  | 84.7  |





#61  
Tetrachloroethene  
Concen: 22.882 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

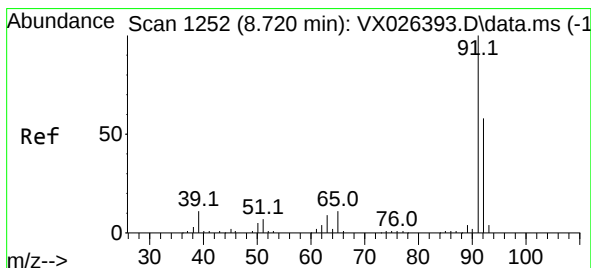
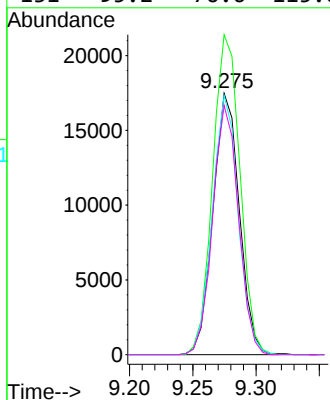
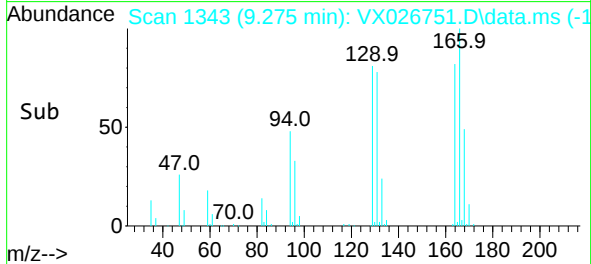
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



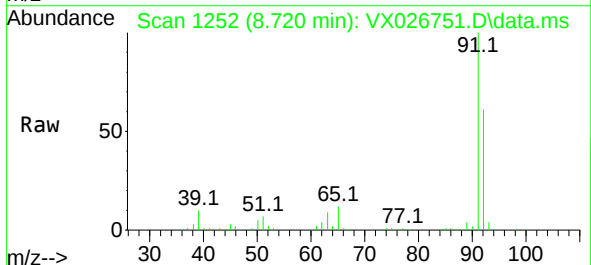
Tgt Ion:164 Resp: 2532  
Ion Ratio Lower Upper  
164 100  
166 122.4 107.0 160.4  
129 99.1 77.6 116.4  
131 95.2 76.6 115.0

Manual Integrations  
APPROVED

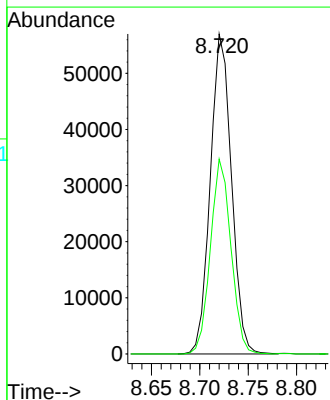
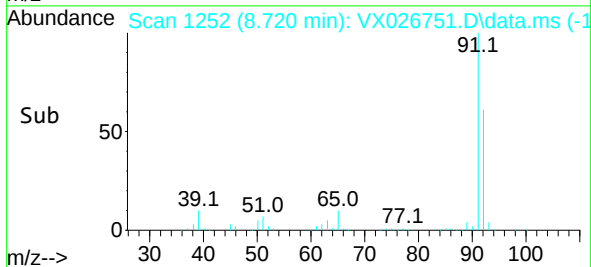
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022

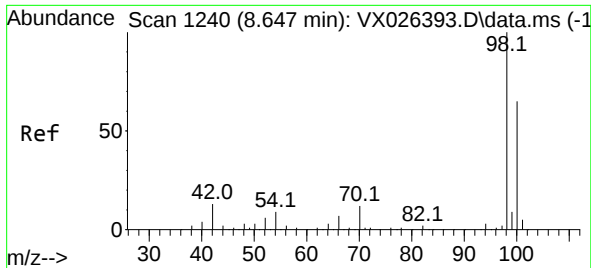


#62  
Toluene  
Concen: 21.631 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48



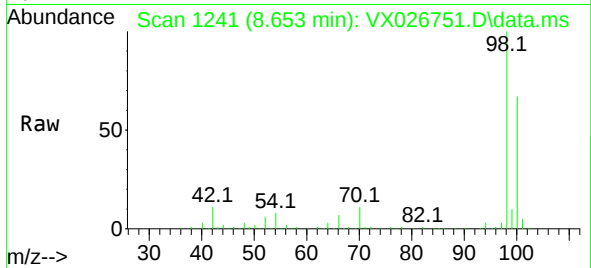
Tgt Ion: 91 Resp: 86713  
Ion Ratio Lower Upper  
91 100  
92 59.2 47.2 70.8





#63  
Toluene-d8  
Concen: 29.278 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.006 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

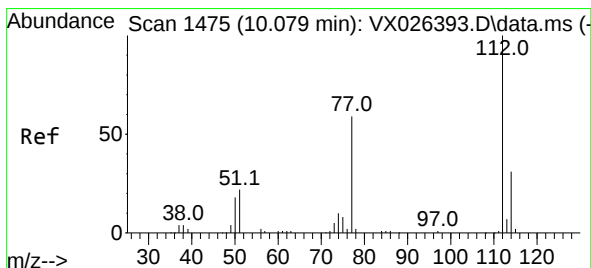
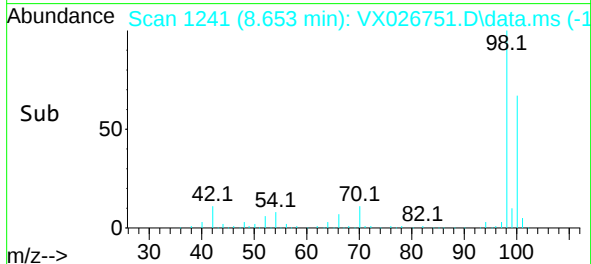
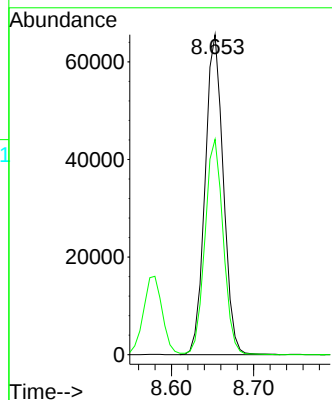
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 98 Resp: 100990  
Ion Ratio Lower Upper  
98 100  
100 67.5 52.5 78.7

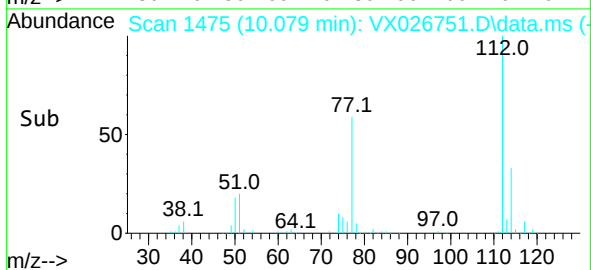
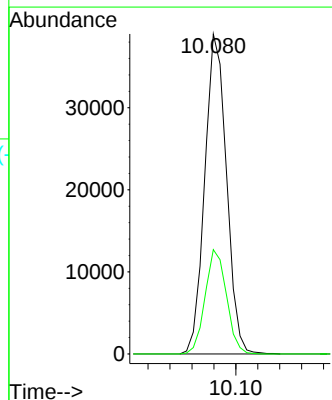
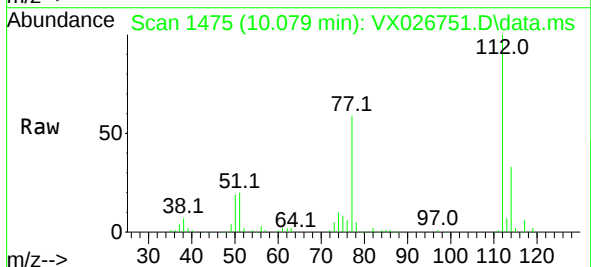
Manual Integrations  
APPROVED

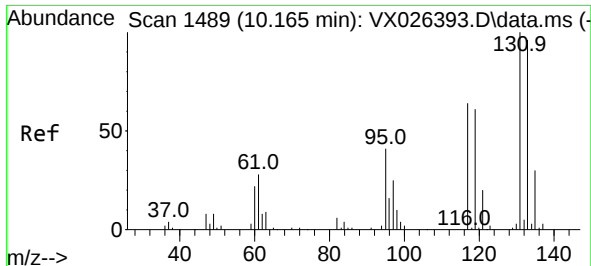
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022



#64  
Chlorobenzene  
Concen: 22.052 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

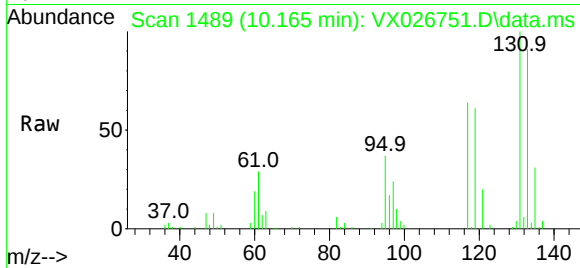
Tgt Ion:112 Resp: 53670  
Ion Ratio Lower Upper  
112 100  
114 32.6 25.0 37.4





#65  
1,1,1,2-Tetrachloroethane  
Concen: 21.626 ug/l  
RT: 10.165 min Scan# 1489  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

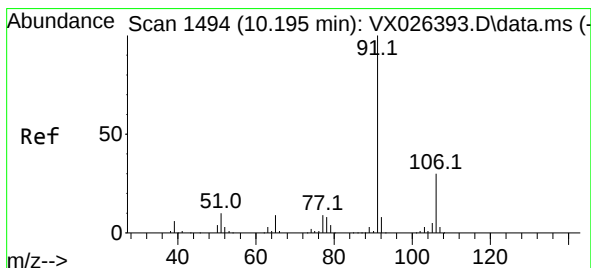
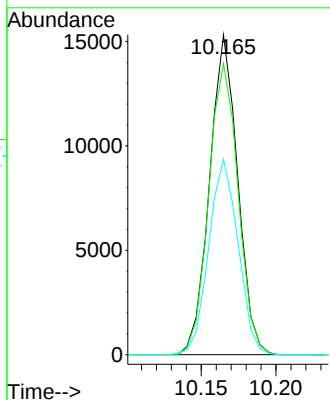
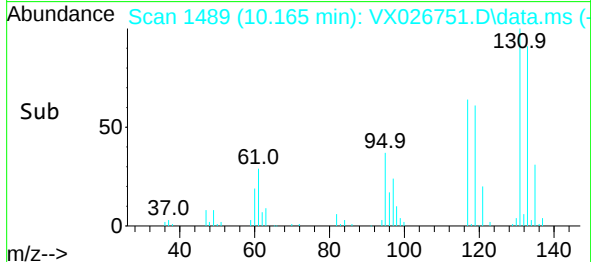
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:131 Resp: 2004  
Ion Ratio Lower Upper  
131 100  
133 94.9 0.0 191.4  
119 63.7 0.0 125.4

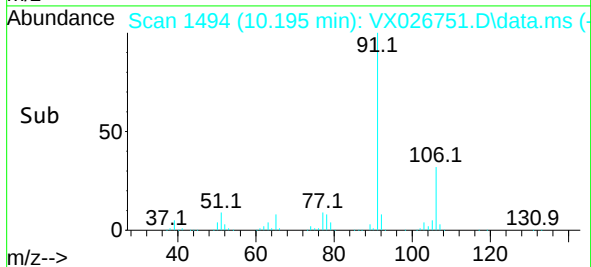
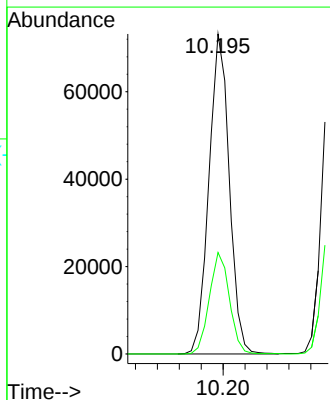
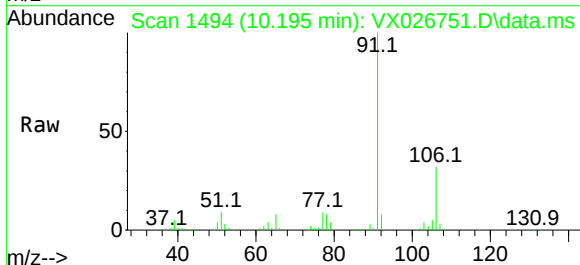
Manual Integrations  
APPROVED

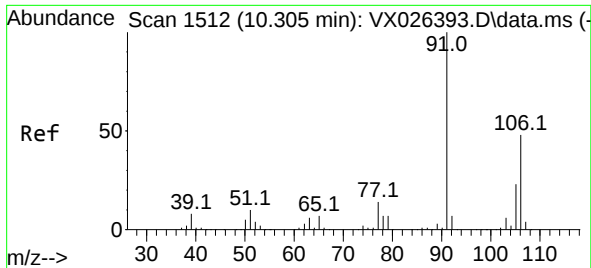
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022



#66  
Ethyl Benzene  
Concen: 21.026 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

Tgt Ion: 91 Resp: 94312  
Ion Ratio Lower Upper  
91 100  
106 31.7 24.4 36.6





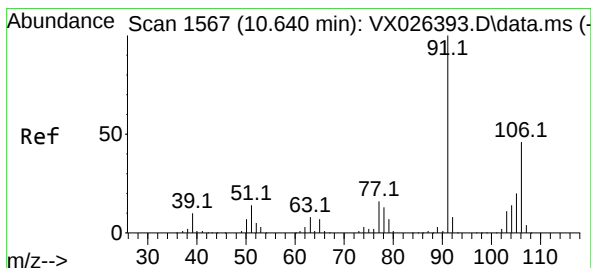
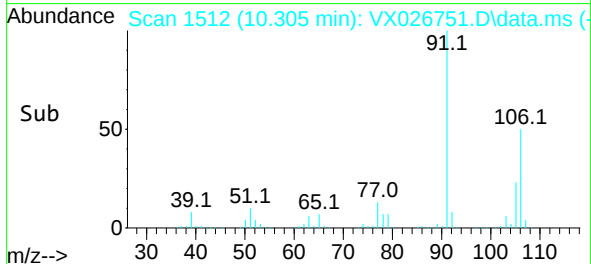
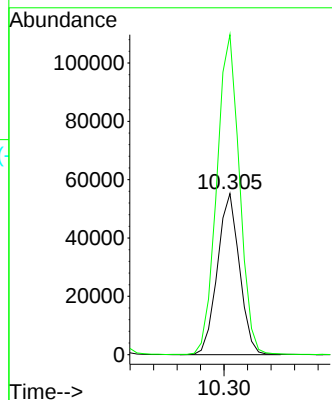
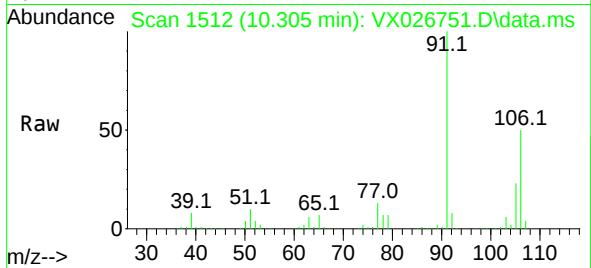
#67  
m/p-Xylenes  
Concen: 43.259 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:106 Resp: 7209  
Ion Ratio Lower Upper  
106 100  
91 204.5 167.2 250.8

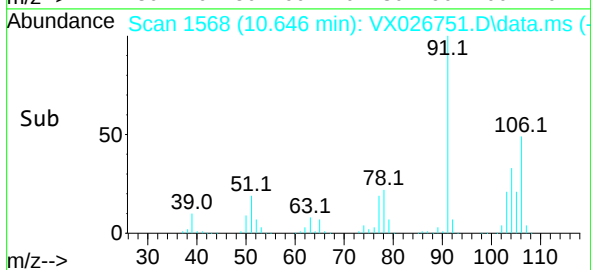
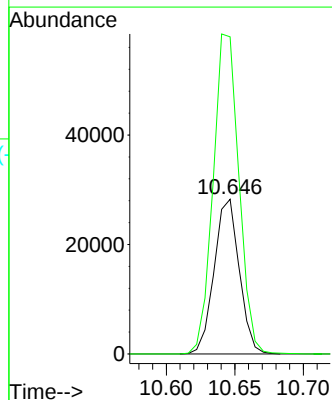
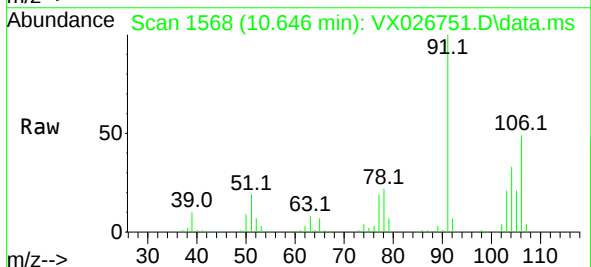
Manual Integrations  
APPROVED

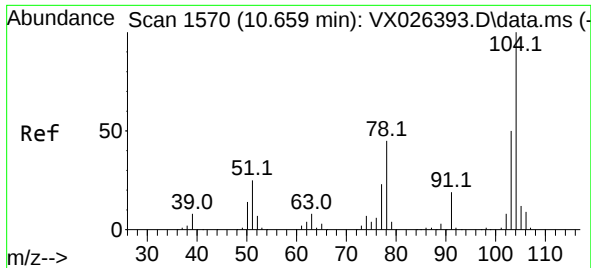
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022



#68  
o-Xylene  
Concen: 22.297 ug/l  
RT: 10.646 min Scan# 1568  
Delta R.T. 0.006 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

Tgt Ion:106 Resp: 36039  
Ion Ratio Lower Upper  
106 100  
91 212.3 108.7 326.3





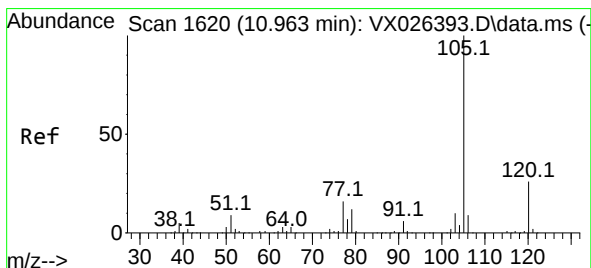
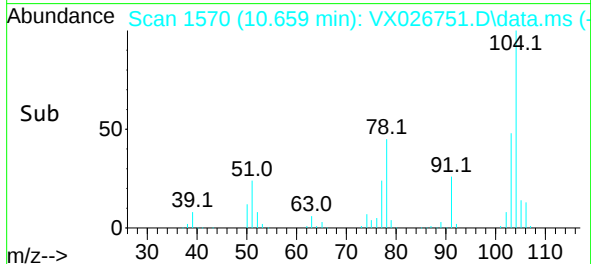
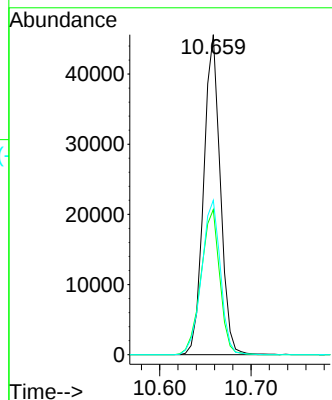
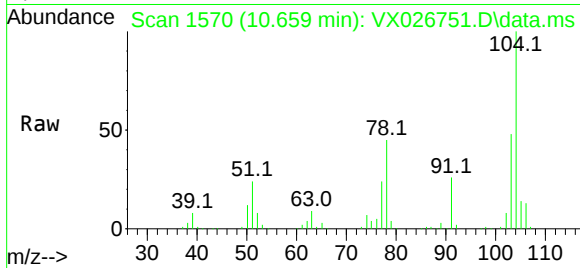
#69  
Styrene  
Concen: 21.404 ug/l  
RT: 10.659 min Scan# 1570  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:104 Resp: 57500  
Ion Ratio Lower Upper  
104 100  
78 51.3 43.3 64.9  
103 54.6 44.6 67.0

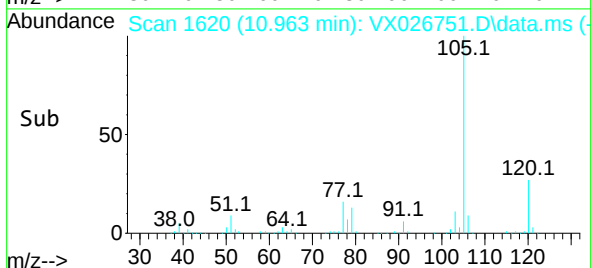
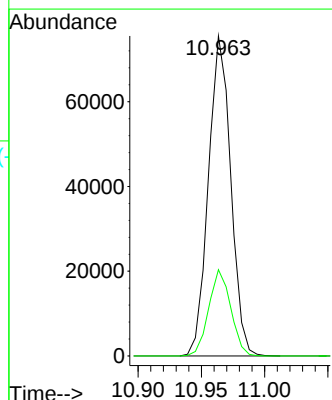
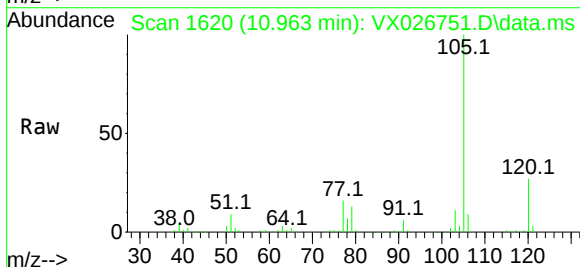
Manual Integrations  
APPROVED

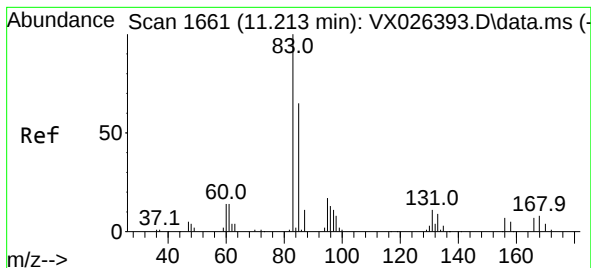
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022



#70  
Isopropylbenzene  
Concen: 21.401 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

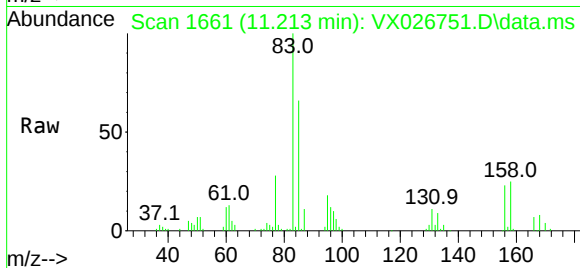
Tgt Ion:105 Resp: 92803  
Ion Ratio Lower Upper  
105 100  
120 26.5 18.1 33.5





#71  
1,1,2,2-Tetrachloroethane  
Concen: 21.739 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

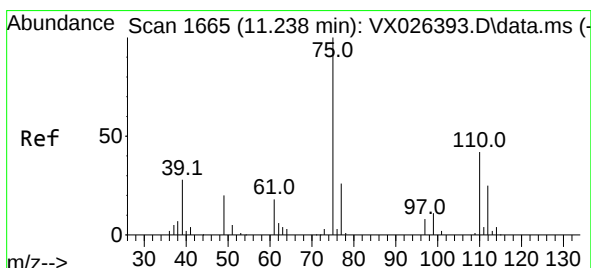
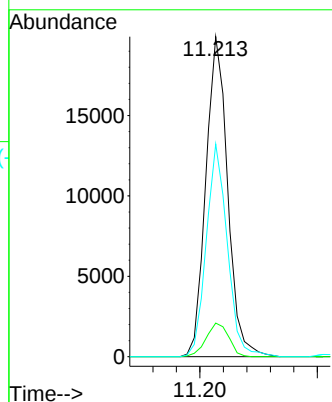
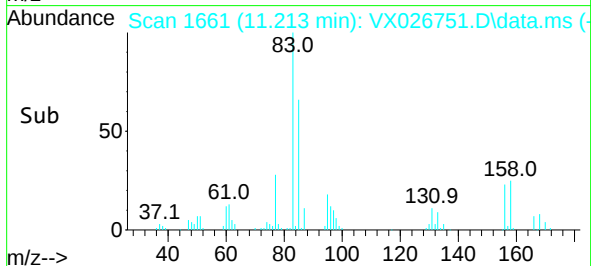
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



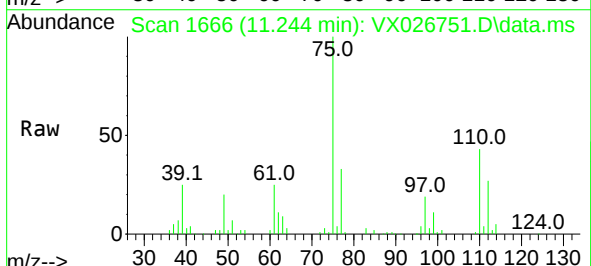
Tgt Ion: 83 Resp: 2569  
Ion Ratio Lower Upper  
83 100  
131 10.9 5.3 16.1  
85 64.2 32.3 96.9

Manual Integrations  
APPROVED

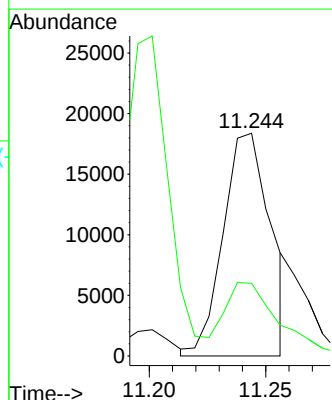
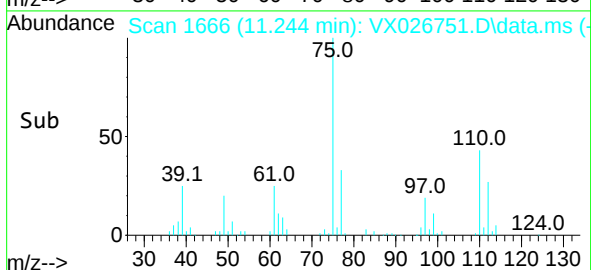
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022

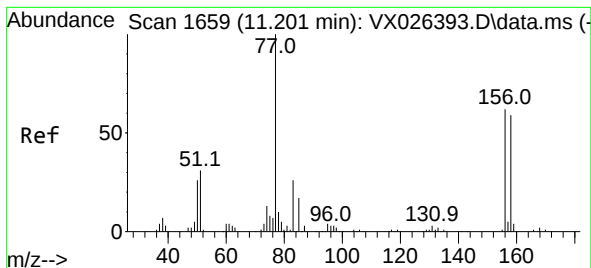


#72  
1,2,3-Trichloropropane  
Concen: 21.707 ug/l m  
RT: 11.244 min Scan# 1666  
Delta R.T. 0.006 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48



Tgt Ion: 75 Resp: 26016  
Ion Ratio Lower Upper  
75 100  
77 37.9 0.0 76.2





#73

Bromobenzene

Concen: 22.067 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.000 min

Lab File: VX026751.D

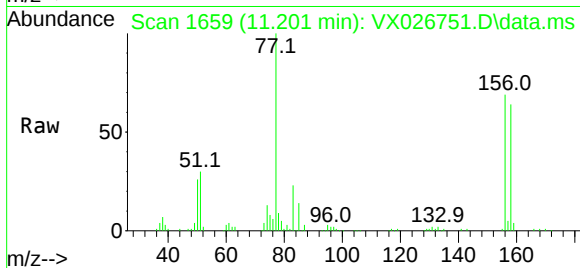
Acq: 02 Feb 2022 20:48

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC



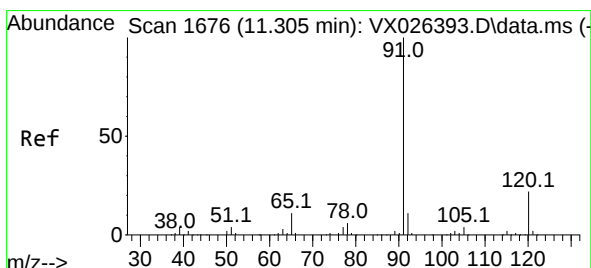
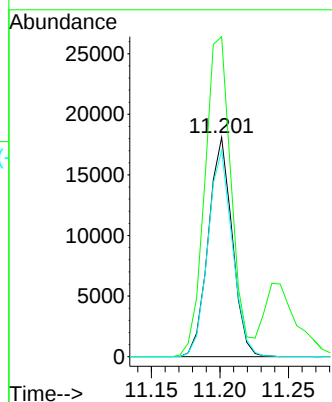
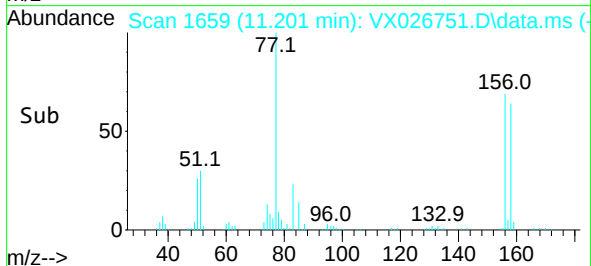
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 21904 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 162.7 | 0.0   | 342.6 |
| 158       | 96.6  | 0.0   | 190.2 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/03/2022

Supervised By :Mahesh Dadoda 02/04/2022



#74

n-propylbenzene

Concen: 20.889 ug/l

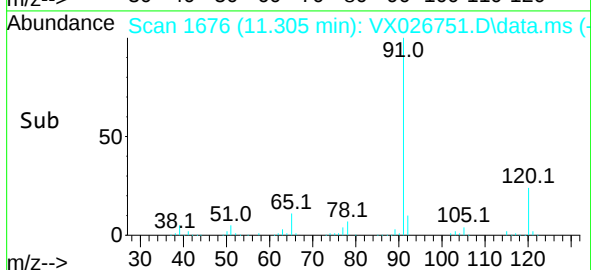
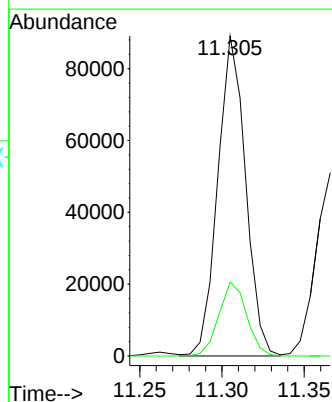
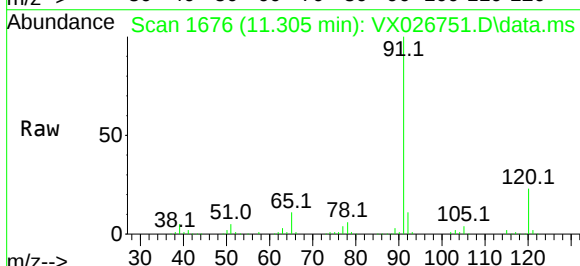
RT: 11.305 min Scan# 1676

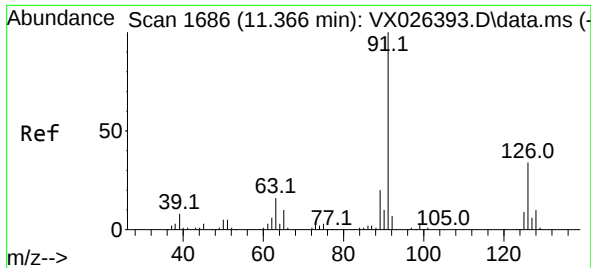
Delta R.T. 0.000 min

Lab File: VX026751.D

Acq: 02 Feb 2022 20:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 104630 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.1  | 0.0   | 45.8   |





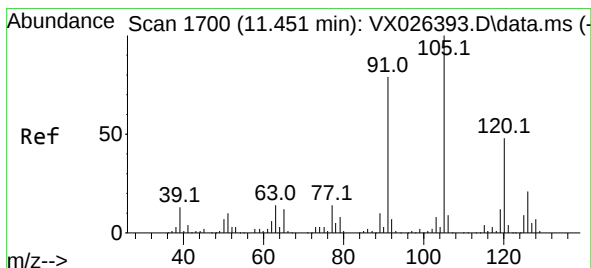
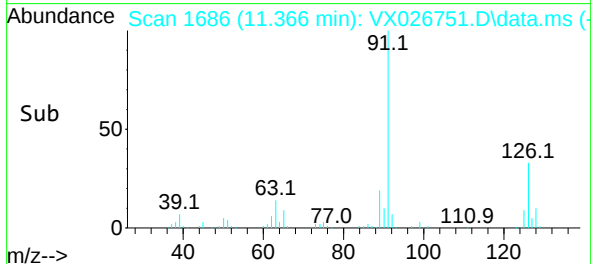
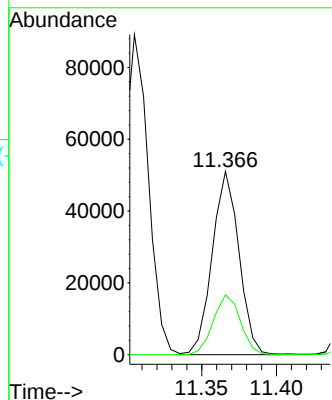
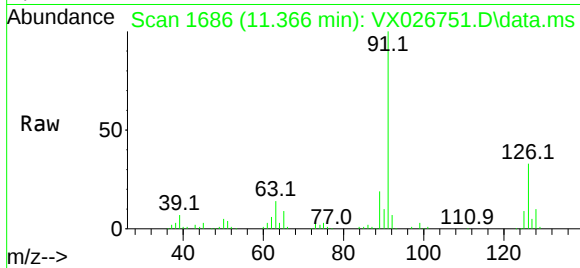
#75  
2-Chlorotoluene  
Concen: 21.085 ug/l  
RT: 11.366 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 91 Resp: 63440  
Ion Ratio Lower Upper  
91 100  
126 33.1 0.0 66.0

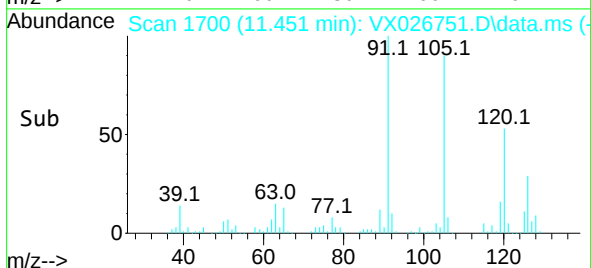
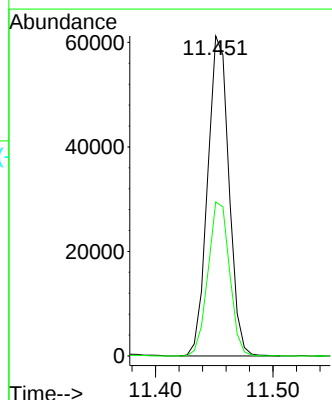
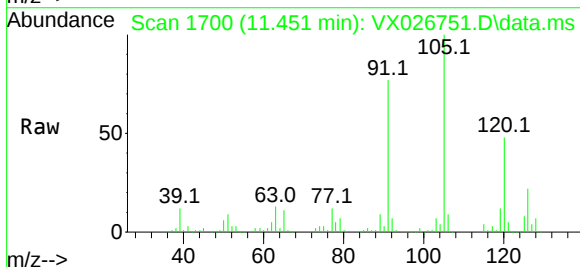
Manual Integrations  
APPROVED

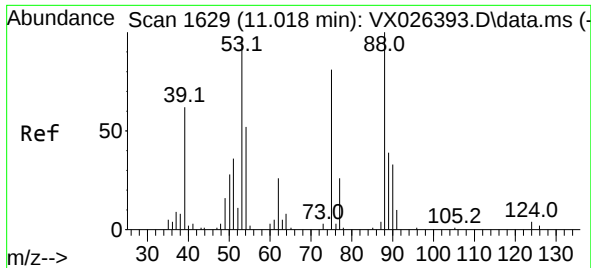
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022



#76  
1,3,5-Trimethylbenzene  
Concen: 21.264 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

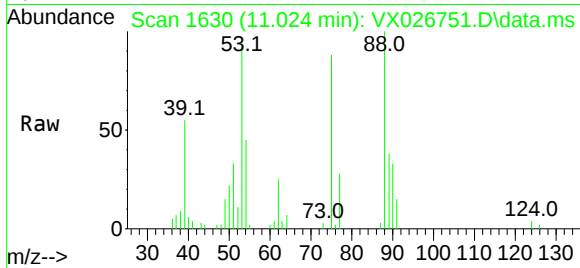
Tgt Ion:105 Resp: 77026  
Ion Ratio Lower Upper  
105 100  
120 48.6 0.0 95.6





#77  
t-1,4-Dichloro-2-butene  
Concen: 20.338 ug/l  
RT: 11.024 min Scan# 1630  
Delta R.T. 0.006 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

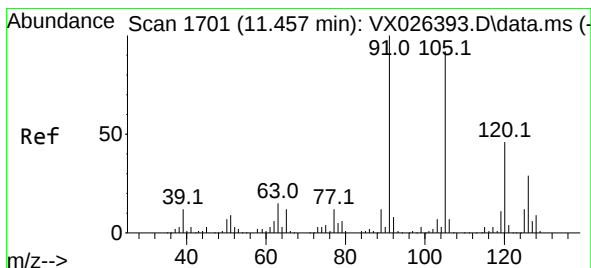
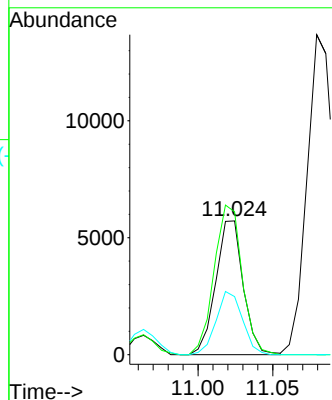
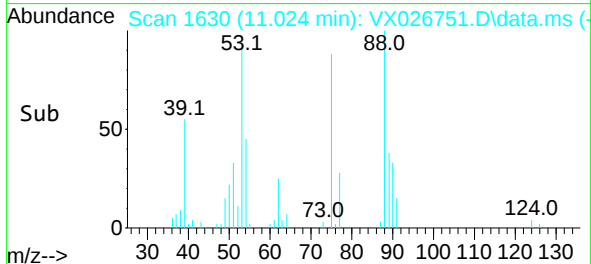
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



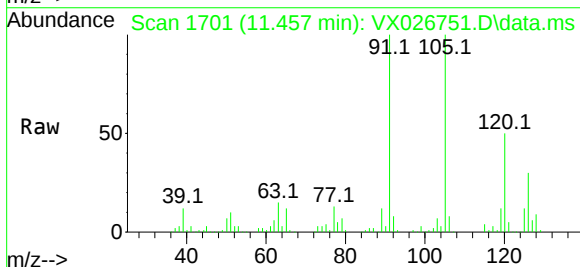
Tgt Ion: 75 Resp: 733  
Ion Ratio Lower Upper  
75 100  
53 106.7 59.0 176.8  
89 43.5 24.0 72.0

Manual Integrations  
APPROVED

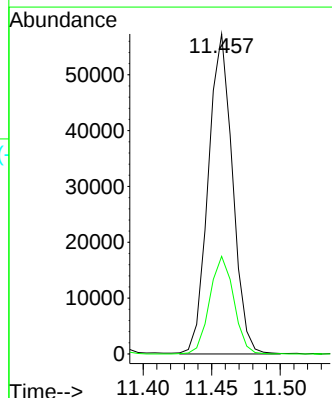
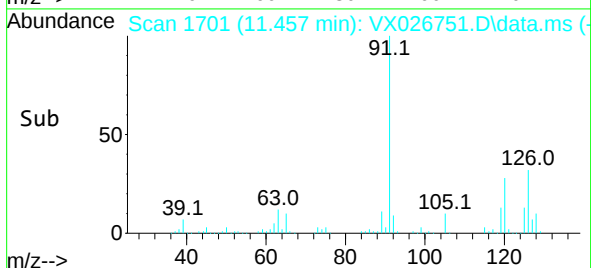
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022

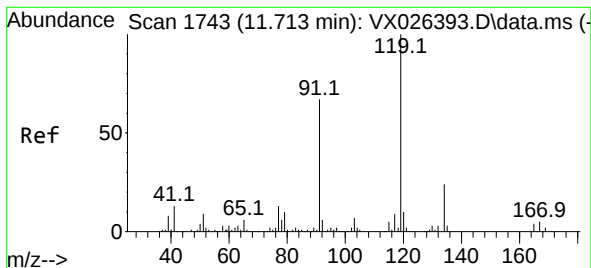


#78  
4-Chlorotoluene  
Concen: 20.577 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48



Tgt Ion: 91 Resp: 70590  
Ion Ratio Lower Upper  
91 100  
126 30.1 0.0 56.2





#79

tert-butylbenzene

Concen: 21.134 ug/l

RT: 11.719 min Scan# 1743

Delta R.T. 0.006 min

Lab File: VX026751.D

Acq: 02 Feb 2022 20:48

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion:119 Resp: 70859

Ion Ratio Lower Upper

119 100

91 62.9 0.0 129.0

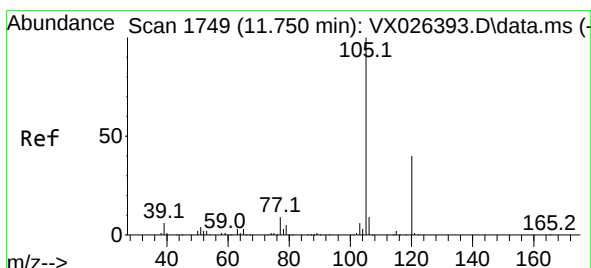
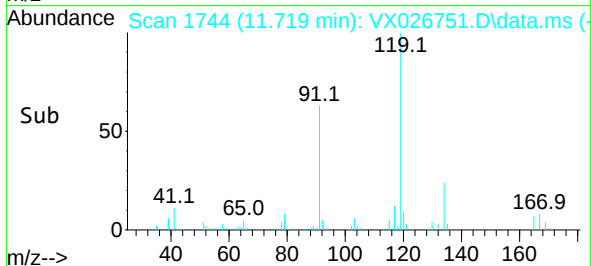
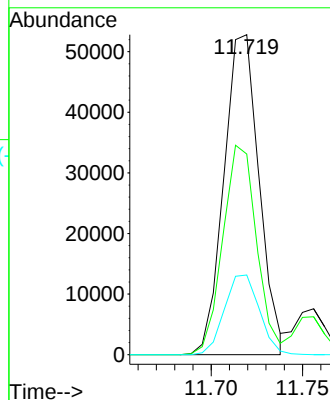
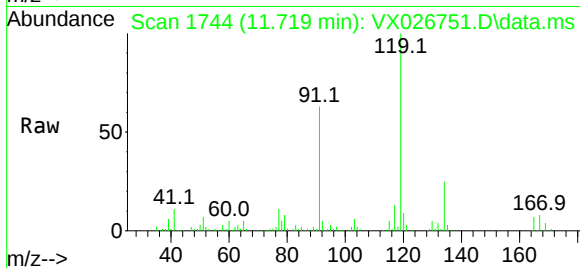
134 24.7 0.0 47.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/03/2022

Supervised By :Mahesh Dadoda 02/04/2022



#80

1,2,4-Trimethylbenzene

Concen: 21.158 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX026751.D

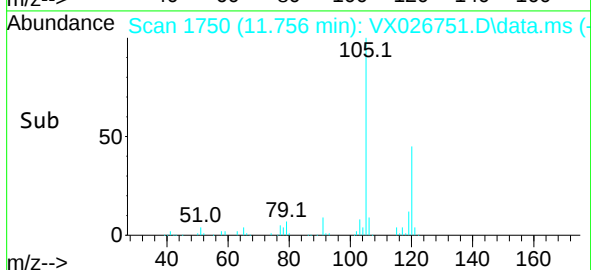
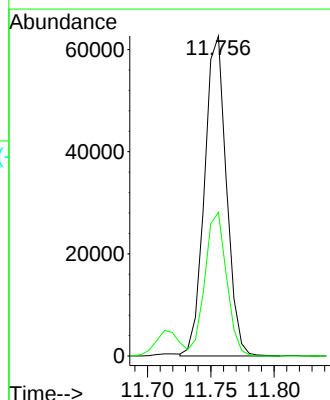
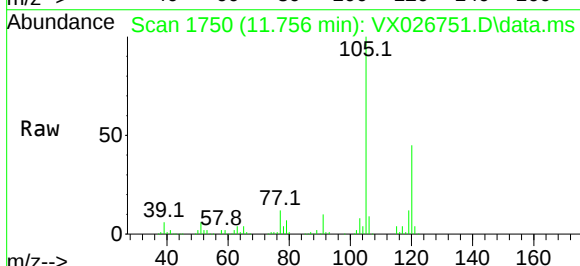
Acq: 02 Feb 2022 20:48

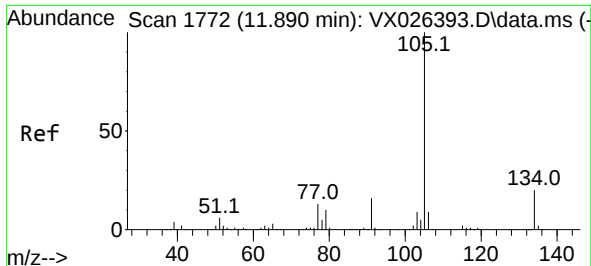
Tgt Ion:105 Resp: 75703

Ion Ratio Lower Upper

105 100

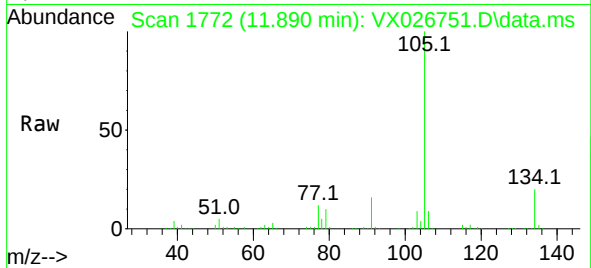
120 44.4 0.0 88.4





#81  
 sec-Butylbenzene  
 Concen: 20.951 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. 0.000 min  
 Lab File: VX026751.D  
 Acq: 02 Feb 2022 20:48

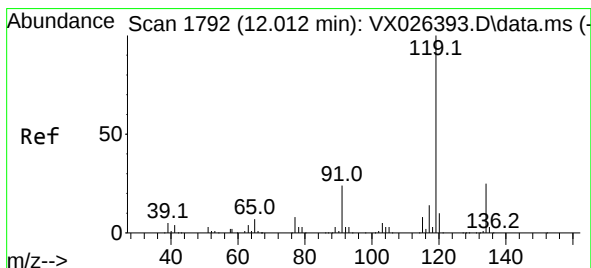
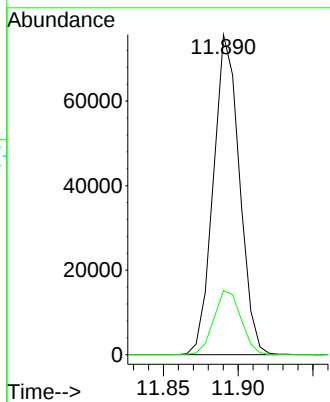
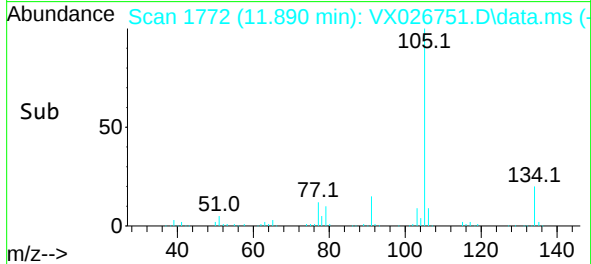
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC



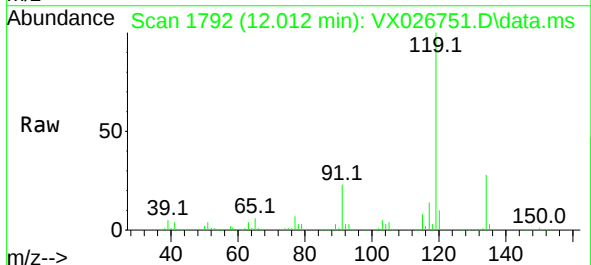
Tgt Ion:105 Resp: 9201  
 Ion Ratio Lower Upper  
 105 100  
 134 20.9 0.0 40.4

Manual Integrations  
 APPROVED

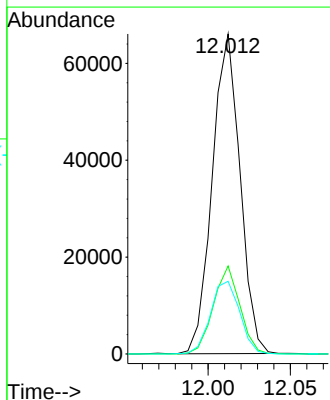
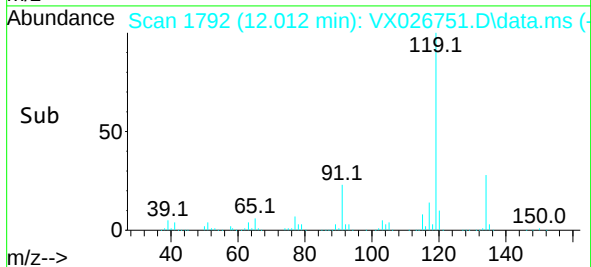
Reviewed By :John Carlone 02/03/2022  
 Supervised By :Mahesh Dadoda 02/04/2022

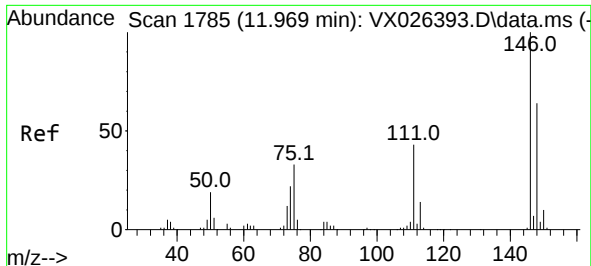


#82  
 p-Isopropyltoluene  
 Concen: 20.874 ug/l  
 RT: 12.012 min Scan# 1792  
 Delta R.T. 0.000 min  
 Lab File: VX026751.D  
 Acq: 02 Feb 2022 20:48



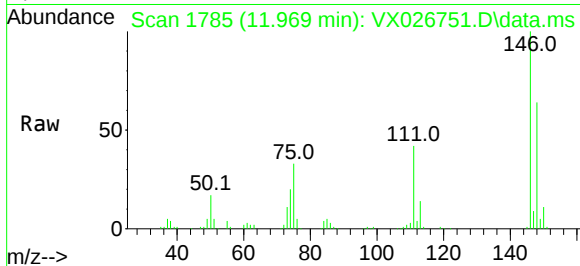
Tgt Ion:119 Resp: 77446  
 Ion Ratio Lower Upper  
 119 100  
 134 26.3 0.0 50.8  
 91 24.0 0.0 50.2





#83  
1,3-Dichlorobenzene  
Concen: 21.226 ug/l  
RT: 11.969 min Scan# 1785  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

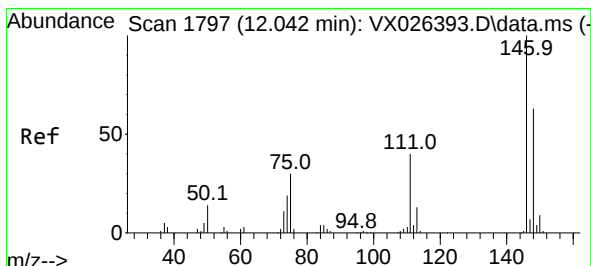
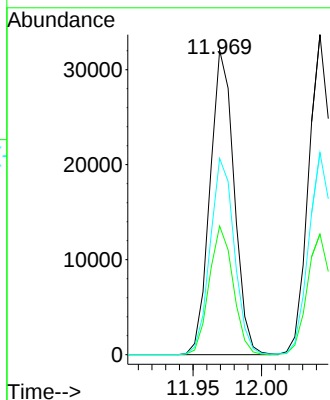
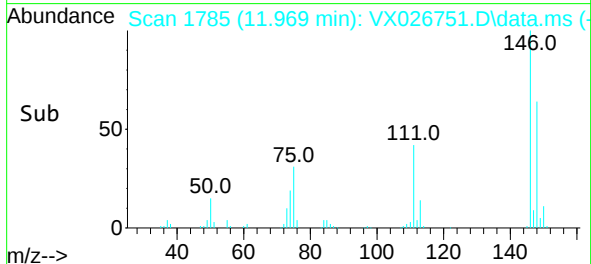
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



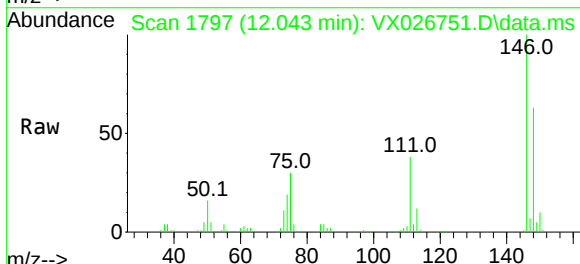
Tgt Ion:146 Resp: 39212  
Ion Ratio Lower Upper  
146 100  
111 41.8 21.3 64.0  
148 64.7 32.0 96.0

Manual Integrations  
APPROVED

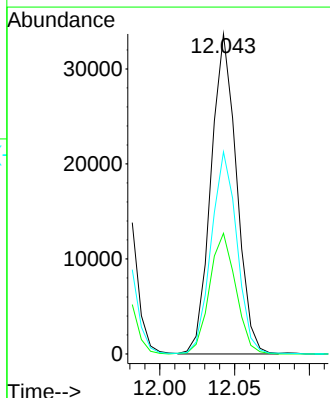
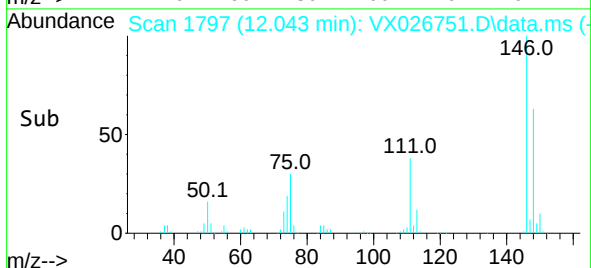
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022

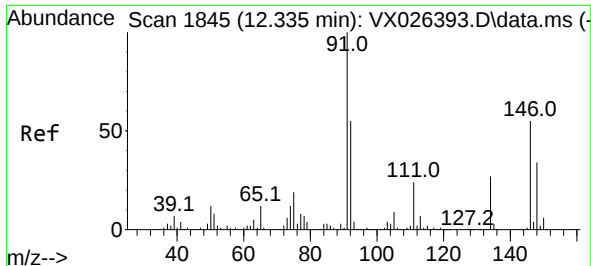


#84  
1,4-Dichlorobenzene  
Concen: 21.627 ug/l  
RT: 12.043 min Scan# 1797  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48



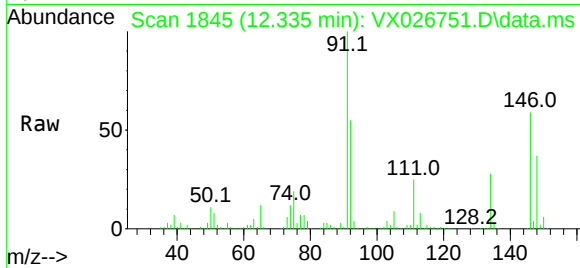
Tgt Ion:146 Resp: 40035  
Ion Ratio Lower Upper  
146 100  
111 38.7 20.0 60.0  
148 62.9 31.6 94.7





#85  
n-Butylbenzene  
Concen: 19.644 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

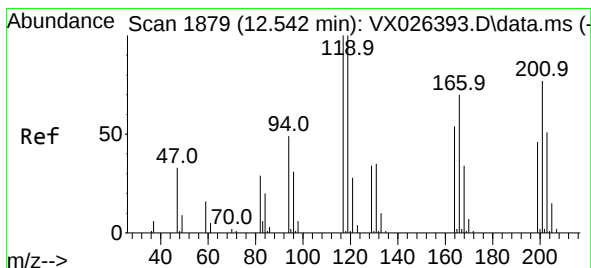
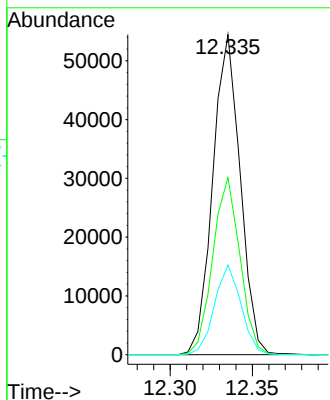
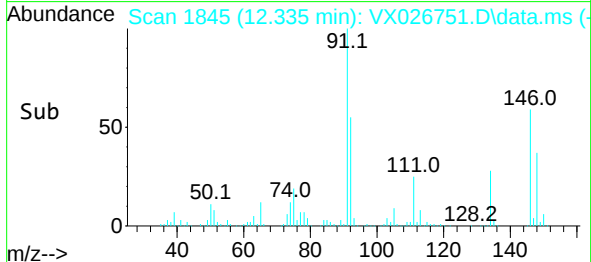
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 91 Resp: 63078  
Ion Ratio Lower Upper  
91 100  
92 54.8 0.0 109.4  
134 27.2 0.0 52.6

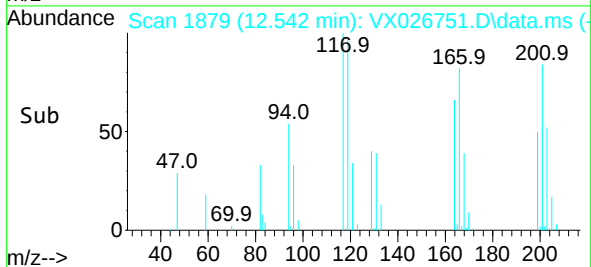
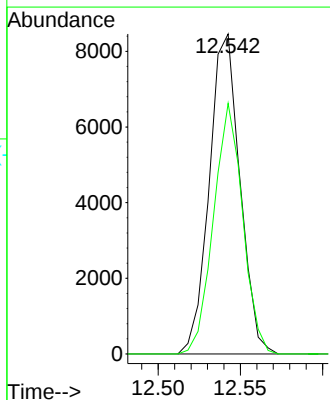
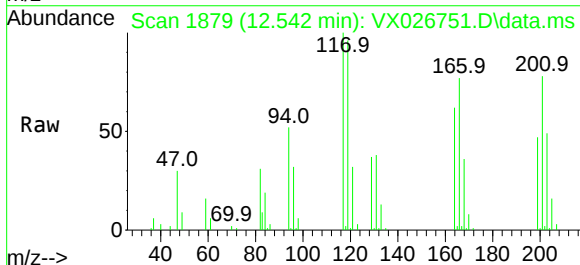
Manual Integrations  
APPROVED

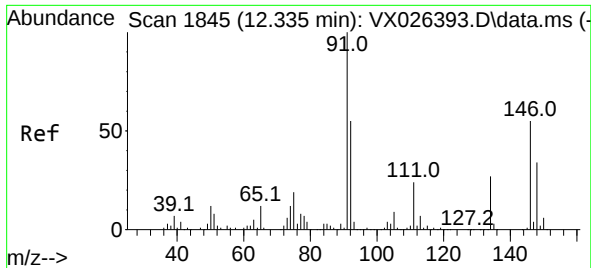
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022



#86  
Hexachloroethane  
Concen: 19.588 ug/l  
RT: 12.542 min Scan# 1879  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

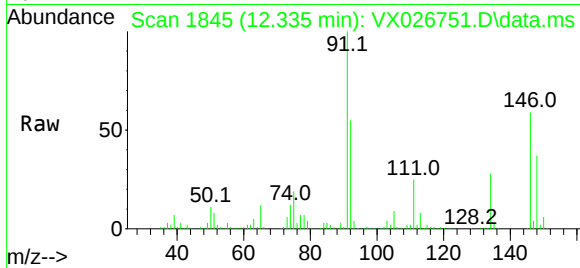
Tgt Ion:117 Resp: 10972  
Ion Ratio Lower Upper  
117 100  
201 74.3 36.3 108.7





#87  
1,2-Dichlorobenzene  
Concen: 21.886 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

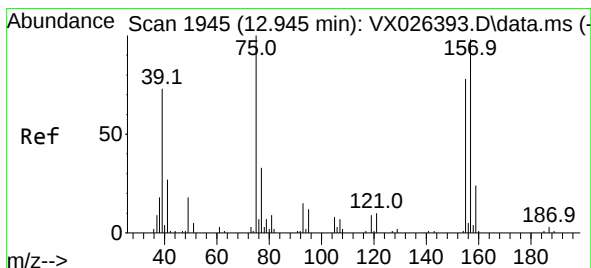
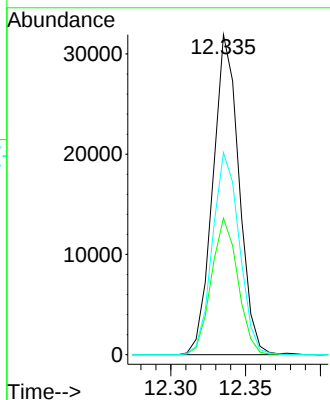
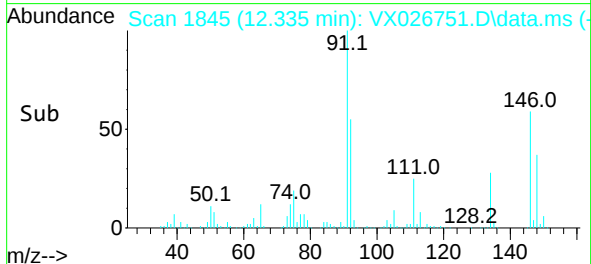
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



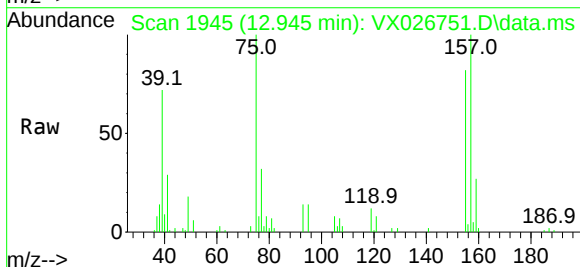
Tgt Ion:146 Resp: 38850  
Ion Ratio Lower Upper  
146 100  
111 43.2 21.9 65.8  
148 64.6 31.6 94.7

Manual Integrations  
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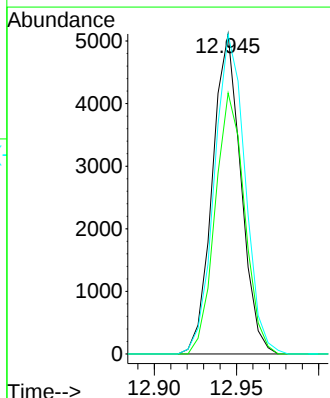
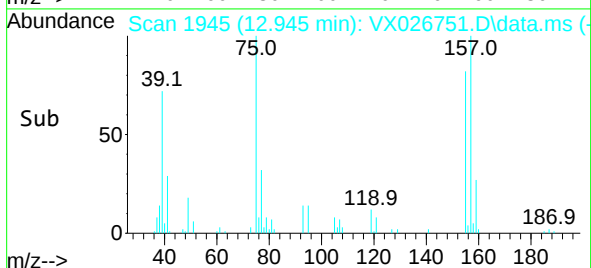
Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022

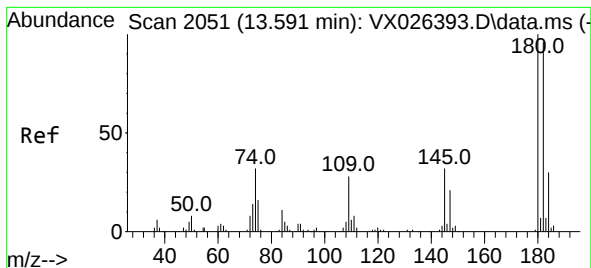


#88  
1,2-Dibromo-3-Chloropropane  
Concen: 20.446 ug/l  
RT: 12.945 min Scan# 1945  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48



Tgt Ion: 75 Resp: 6165  
Ion Ratio Lower Upper  
75 100  
155 83.9 65.4 98.0  
157 107.5 82.1 123.1





#89

1,2,4-Trichlorobenzene

Concen: 20.604 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.000 min

Lab File: VX026751.D

Acq: 02 Feb 2022 20:48

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

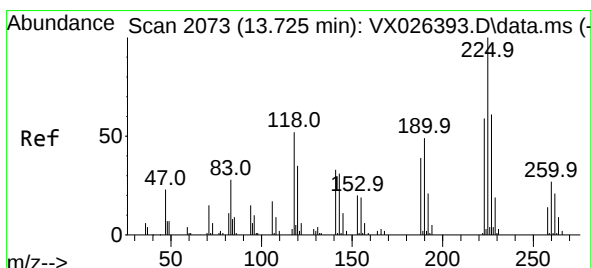
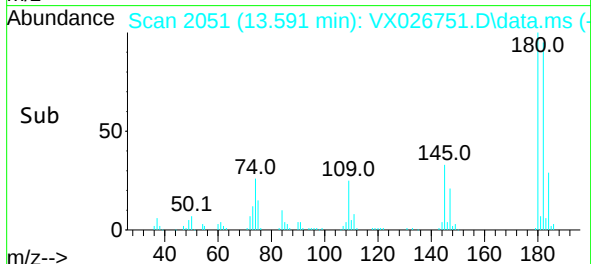
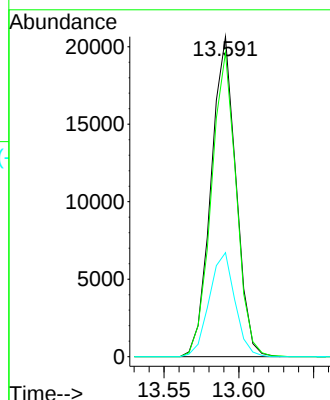
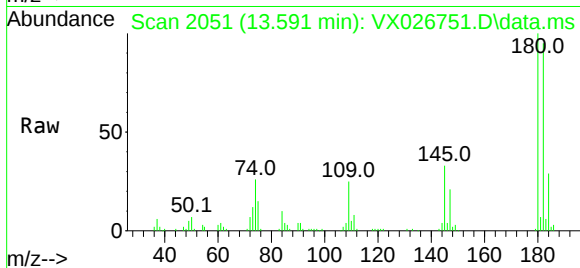
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 2394       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.9  | 75.8 113.8 |
| 145         | 33.5  | 26.6 39.8  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/03/2022

Supervised By :Mahesh Dadoda 02/04/2022



#90

Hexachlorobutadiene

Concen: 20.257 ug/l

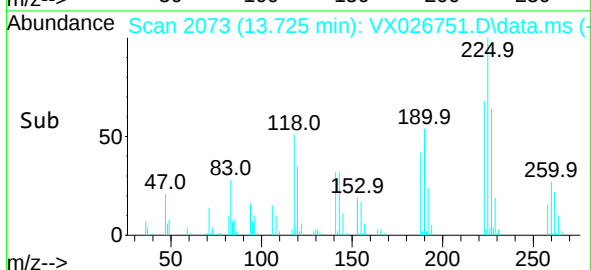
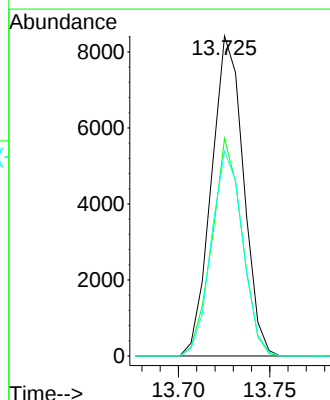
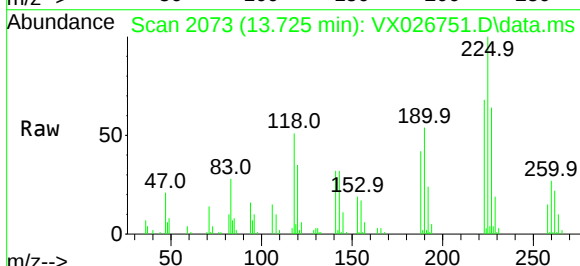
RT: 13.725 min Scan# 2073

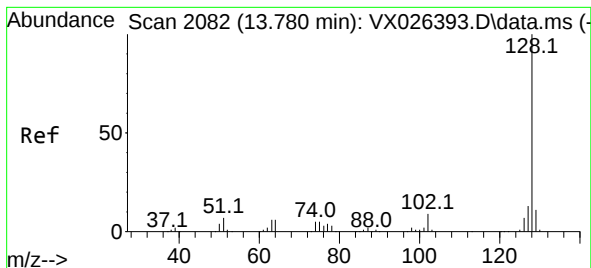
Delta R.T. 0.000 min

Lab File: VX026751.D

Acq: 02 Feb 2022 20:48

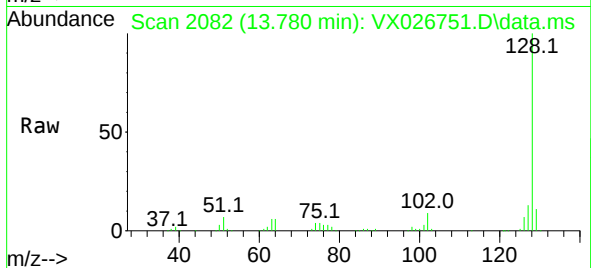
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 10274     |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 63.8  | 0.0 121.6 |
| 227         | 62.8  | 0.0 122.8 |





#91  
Naphthalene  
Concen: 21.393 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48

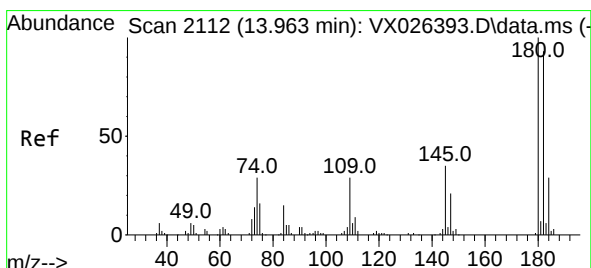
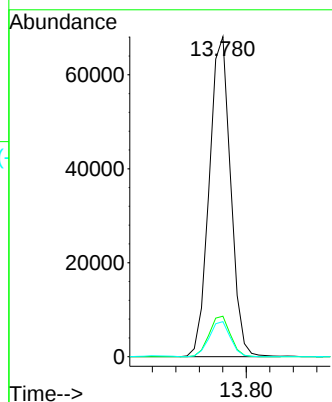
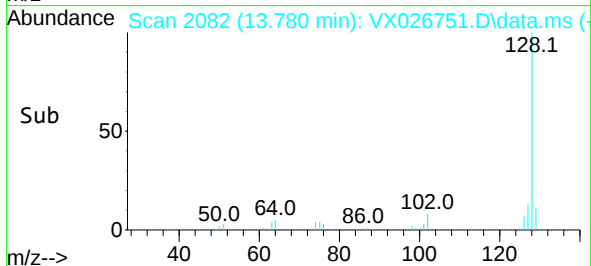
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



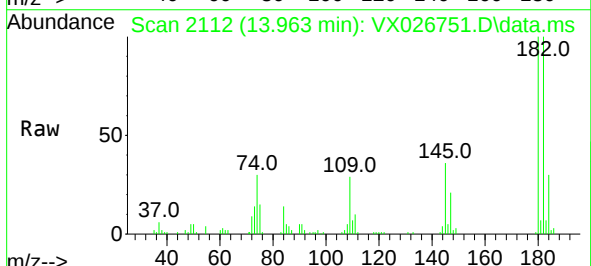
Tgt Ion:128 Resp: 85930  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.6 15.8  
129 10.9 8.8 13.2

Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/03/2022  
Supervised By :Mahesh Dadoda 02/04/2022



#92  
1,2,3-Trichlorobenzene  
Concen: 21.128 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. 0.000 min  
Lab File: VX026751.D  
Acq: 02 Feb 2022 20:48



Tgt Ion:180 Resp: 24421  
Ion Ratio Lower Upper  
180 100  
182 97.6 0.0 187.4  
145 35.1 0.0 70.2

