

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050523\  
 Data File : VN077601.D  
 Acq On : 05 May 2023 19:42  
 Operator : JC\MD  
 Sample : VSTDICCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 05/08/2023  
 Supervised By : Mahesh Dadoda 05/08/2023

Quant Time: May 05 22:14:11 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N042823W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Apr 28 16:20:59 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Bromochloromethane        | 7.819          | 128  | 118525     | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.107          | 114  | 683578     | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.866         | 117  | 609941     | 30.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.578          | 65   | 285137     | 26.985   | ug/l   | -0.01    |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = | 89.933%  | #      |          |
| 60) 4-Bromofluorobenzene     | 12.848         | 95   | 292822     | 27.403   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = | 91.333%  |        |          |
| 63) Toluene-d8               | 10.572         | 98   | 890935     | 41.453   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = | 138.167% | #      |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.137          | 85   | 165911     | 11.244   | ug/l   | 97       |
| 3) Chloromethane             | 2.372          | 50   | 126016     | 11.560   | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.525          | 62   | 161182     | 10.631   | ug/l   | 99       |
| 5) Bromomethane              | 2.960          | 94   | 113587     | 8.875    | ug/l   | 95       |
| 6) Chloroethane              | 3.131          | 64   | 107595     | 9.855    | ug/l   | 90       |
| 7) Trichlorofluoromethane    | 3.507          | 101  | 238235     | 10.655   | ug/l   | 95       |
| 8) Diethyl Ether             | 3.972          | 74   | 89919      | 11.493   | ug/l   | 92       |
| 9) 1,1,2-Trichlorotrifluo... | 4.384          | 101  | 136200     | 10.778   | ug/l   | 98       |
| 10) 1,1-Dichloroethene       | 4.348          | 96   | 126430     | 10.429   | ug/l   | 89       |
| 11) Methyl Iodide            | 4.607          | 142  | 151438     | 10.182   | ug/l   | 96       |
| 12) Methyl Acetate           | 5.043          | 43   | 223021     | 12.756   | ug/l # | 88       |
| 13) Acrolein                 | 4.196          | 56   | 125612     | 59.921   | ug/l   | 99       |
| 14) Acrylonitrile            | 5.731          | 53   | 324380     | 60.474   | ug/l   | 99       |
| 15) Acetone                  | 4.443          | 58   | 85738      | 50.063   | ug/l   | 81       |
| 16) Carbon Disulfide         | 4.719          | 76   | 300962     | 9.900    | ug/l   | 99       |
| 17) Allyl chloride           | 5.037          | 41   | 154554     | 11.627   | ug/l   | 96       |
| 18) Methylene Chloride       | 5.295          | 84   | 153992     | 10.768   | ug/l   | 94       |
| 19) trans-1,2-Dichloroethene | 5.790          | 96   | 141782     | 10.585   | ug/l   | 97       |
| 20) Diisopropyl ether        | 6.684          | 45   | 381140     | 12.317   | ug/l # | 93       |
| 21) 1,1-Dichloroethane       | 6.584          | 63   | 253680     | 11.218   | ug/l   | 96       |
| 22) cis-1,2-Dichloroethene   | 7.495          | 96   | 167477     | 10.439   | ug/l   | 93       |
| 23) tert-Butyl Alcohol       | 5.525          | 59   | 135133     | 58.396   | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.801          | 73   | 466004     | 11.082   | ug/l   | 98       |
| 25) Chloroform               | 7.972          | 83   | 289089     | 11.123   | ug/l   | 100      |
| 26) Cyclohexane              | 8.260          | 56   | 204140     | 11.066   | ug/l # | 99       |
| 29) 1,1-Dichloropropene      | 8.378          | 75   | 201127     | 13.958   | ug/l   | 97       |
| 30) 2-Butanone               | 7.495          | 43   | 407826     | 77.199   | ug/l   | 92       |
| 31) 2,2-Dichloropropane      | 7.495          | 77   | 218798     | 12.978   | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 8.172          | 97   | 259280     | 13.941   | ug/l   | 94       |
| 33) Carbon Tetrachloride     | 8.366          | 117  | 218869     | 13.558   | ug/l   | 98       |
| 34) Benzene                  | 8.613          | 78   | 624462     | 14.093   | ug/l   | 99       |
| 35) Methacrylonitrile        | 7.789          | 41   | 90768      | 16.828   | ug/l   | 91       |
| 36) 1,2-Dichloroethane       | 8.678          | 62   | 224001     | 14.802   | ug/l   | 99       |
| 37) Trichloroethene          | 9.354          | 130  | 150534     | 13.441   | ug/l   | 95       |
| 38) Methylcyclohexane        | 9.601          | 83   | 253169     | 13.374   | ug/l   | 94       |
| 39) 1,2-Dichloropropane      | 9.625          | 63   | 148912     | 14.509   | ug/l   | 90       |
| 40) Dibromomethane           | 9.713          | 93   | 114255     | 14.116   | ug/l   | 96       |
| 41) Bromodichloromethane     | 9.895          | 83   | 225821     | 14.126   | ug/l   | 97       |
| 42) Vinyl Acetate            | 6.613          | 43   | 1187034    | 71.346   | ug/l   | 93       |

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 Sample : VSTDICCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

Manual Integrations  
 APPROVED

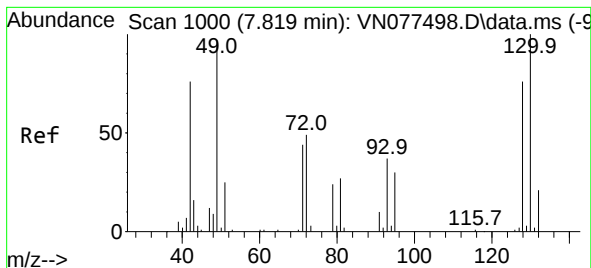
Reviewed By : John Carlone 05/08/2023  
 Supervised By : Mahesh Dadoda 05/08/2023

Quant Time: May 05 22:14:11 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N042823W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Apr 28 16:20:59 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 43) Ethyl Acetate             | 7.854  | 43   | 60938    | 5.960   | ug/l  | 98       |
| 44) Isopropyl Acetate         | 8.695  | 43   | 285826   | 15.780  | ug/l  | 91       |
| 45) 1,4-Dioxane               | 9.695  | 88   | 60300    | 274.506 | ug/l  | 99       |
| 46) Methyl methacrylate       | 9.683  | 41   | 130614   | 15.844  | ug/l  | 91       |
| 47) n-amyl Acetate            | 12.501 | 43   | 219665   | 15.129  | ug/l  | 98       |
| 48) t-1,3-Dichloropropene     | 10.836 | 75   | 217654   | 13.373  | ug/l  | 97       |
| 49) cis-1,3-Dichloropropene   | 10.313 | 75   | 240569   | 13.693  | ug/l  | 96       |
| 50) 1,1,2-Trichloroethane     | 11.019 | 97   | 158301   | 13.778  | ug/l  | 93       |
| 51) Ethyl methacrylate        | 10.877 | 69   | 228763   | 14.381  | ug/l  | 90       |
| 52) 1,3-Dichloropropane       | 11.166 | 76   | 267868   | 14.367  | ug/l  | 98       |
| 53) Dibromochloromethane      | 11.360 | 129  | 160825   | 13.596  | ug/l  | 97       |
| 54) 1,2-Dibromoethane         | 11.472 | 107  | 158138   | 13.449  | ug/l  | 95       |
| 55) 2-Chloroethyl vinyl ether | 10.160 | 63   | 370246   | 70.930  | ug/l  | 98       |
| 56) Bromoform                 | 12.577 | 173  | 93653    | 12.693  | ug/l  | 98       |
| 58) 4-Methyl-2-Pentanone      | 10.448 | 43   | 867505   | 98.759  | ug/l  | 95       |
| 59) 2-Hexanone                | 11.195 | 43   | 624217   | 96.454  | ug/l  | 95       |
| 61) Tetrachloroethene         | 11.107 | 164  | 118685   | 16.659  | ug/l  | 97       |
| 62) Toluene                   | 10.630 | 91   | 691066   | 16.847  | ug/l  | 98       |
| 64) Chlorobenzene             | 11.895 | 112  | 412095   | 16.444  | ug/l  | 96       |
| 65) 1,1,1,2-Tetrachloroethane | 11.960 | 131  | 156040   | 17.424  | ug/l  | 94       |
| 66) Ethyl Benzene             | 11.966 | 91   | 754021   | 16.834  | ug/l  | 98       |
| 67) m/p-Xylenes               | 12.071 | 106  | 577813   | 33.128  | ug/l  | 96       |
| 68) o-Xylene                  | 12.401 | 106  | 282505   | 16.306  | ug/l  | 94       |
| 69) Styrene                   | 12.413 | 104  | 450943   | 16.739  | ug/l  | 98       |
| 70) Isopropylbenzene          | 12.695 | 105  | 739541   | 16.817  | ug/l  | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 12.942 | 83   | 225099   | 16.804  | ug/l  | 96       |
| 72) 1,2,3-Trichloropropane    | 12.995 | 75   | 266887   | 23.421  | ug/l  | 64       |
| 73) Bromobenzene              | 12.983 | 156  | 150889   | 15.955  | ug/l  | 92       |
| 74) n-propylbenzene           | 13.042 | 91   | 810235   | 16.557  | ug/l  | 99       |
| 75) 2-Chlorotoluene           | 13.130 | 91   | 509336   | 16.874  | ug/l  | 100      |
| 76) 1,3,5-Trimethylbenzene    | 13.177 | 105  | 573791   | 16.927  | ug/l  | 99       |
| 77) t-1,4-Dichloro-2-butene   | 12.742 | 75   | 55193    | 14.665  | ug/l  | 86       |
| 78) 4-Chlorotoluene           | 13.224 | 91   | 478202   | 16.735  | ug/l  | 99       |
| 79) tert-butylbenzene         | 13.442 | 119  | 520353   | 16.594  | ug/l  | 98       |
| 80) 1,2,4-Trimethylbenzene    | 13.489 | 105  | 513135   | 16.459  | ug/l  | 100      |
| 81) sec-Butylbenzene          | 13.618 | 105  | 726114   | 16.609  | ug/l  | 99       |
| 82) p-Isopropyltoluene        | 13.736 | 119  | 550790   | 16.078  | ug/l  | 100      |
| 83) 1,3-Dichlorobenzene       | 13.736 | 146  | 270338   | 16.341  | ug/l  | 99       |
| 84) 1,4-Dichlorobenzene       | 13.818 | 146  | 264910   | 16.205  | ug/l  | 99       |
| 85) n-Butylbenzene            | 14.060 | 91   | 409302   | 15.461  | ug/l  | 99       |
| 86) Hexachloroethane          | 14.336 | 117  | 106257   | 15.311  | ug/l  | 98       |
| 87) 1,2-Dichlorobenzene       | 14.107 | 146  | 274289   | 16.296  | ug/l  | 98       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.724 | 75   | 40019    | 16.162  | ug/l  | 97       |
| 89) 1,2,4-Trichlorobenzene    | 15.395 | 180  | 56167    | 12.714  | ug/l  | 97       |
| 90) Hexachlorobutadiene       | 15.507 | 225  | 54227    | 15.093  | ug/l  | 96       |
| 91) Naphthalene               | 15.642 | 128  | 200320   | 12.421  | ug/l  | 98       |
| 92) 1,2,3-Trichlorobenzene    | 15.842 | 180  | 52835    | 12.783  | ug/l  | 98       |

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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.819 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

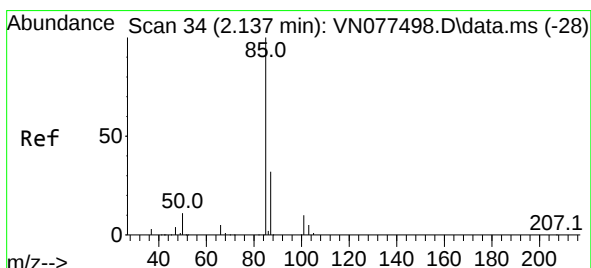
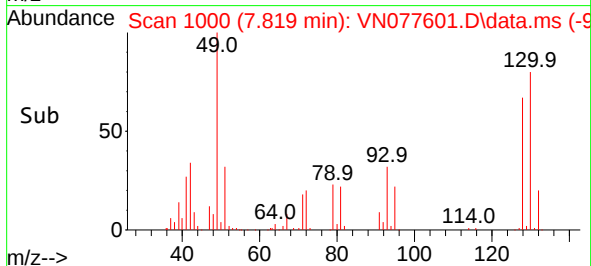
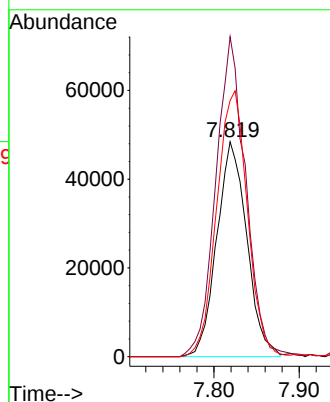
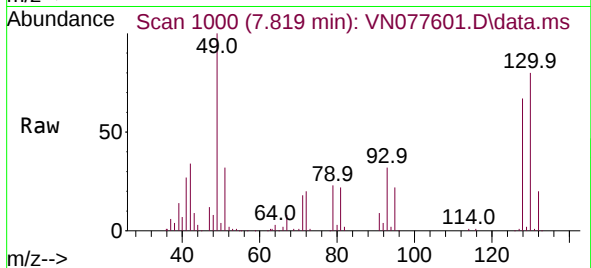
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 11852 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 49        | 147.9 | 0.0   | 338.5 |
| 130       | 127.1 | 0.0   | 326.3 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2023

Supervised By :Mahesh Dadoda 05/08/2023



#2

Dichlorodifluoromethane

Concen: 11.244 ug/l

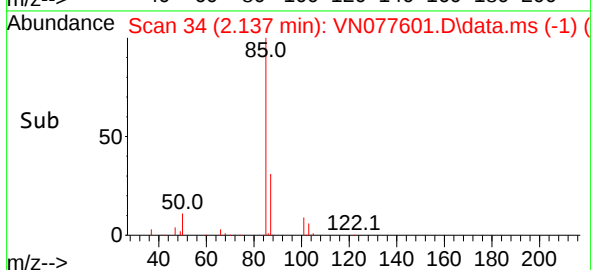
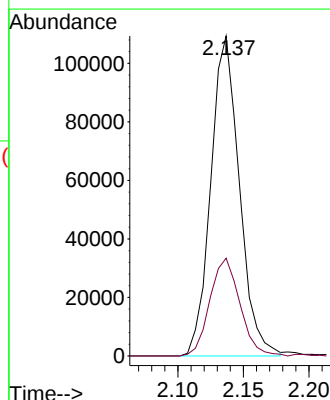
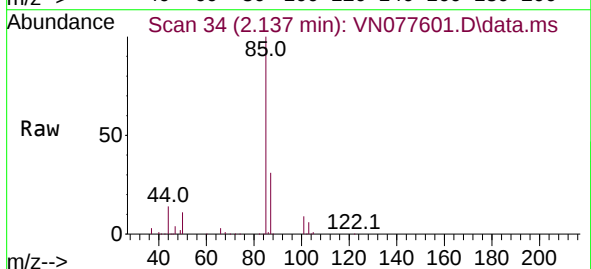
RT: 2.137 min Scan# 34

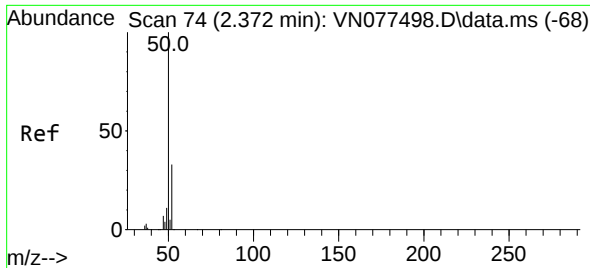
Delta R.T. -0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

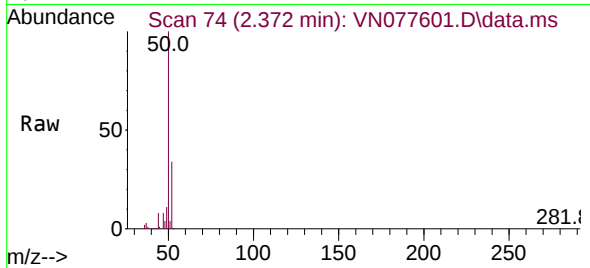
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 85    | Resp: | 165911 |
| Ion Ratio | Lower | Upper |        |
| 85        | 100   |       |        |
| 87        | 30.6  | 16.1  | 48.3   |





#3  
Chloromethane  
Concen: 11.560 ug/l  
RT: 2.372 min Scan# 74  
Delta R.T. 0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

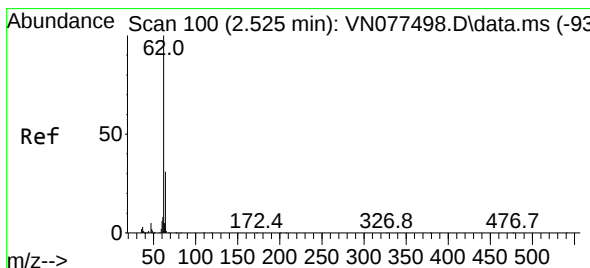
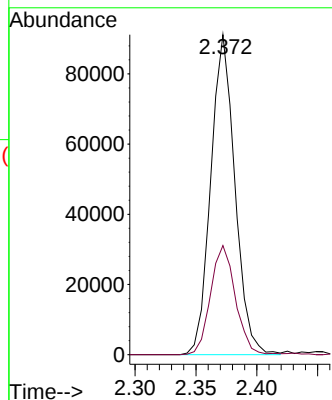
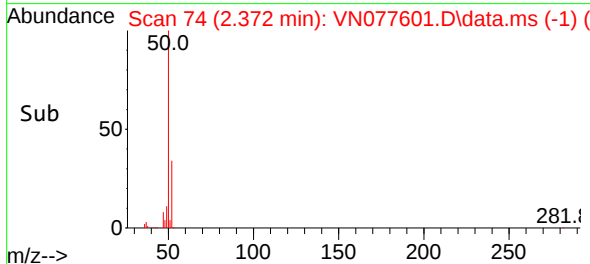
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020



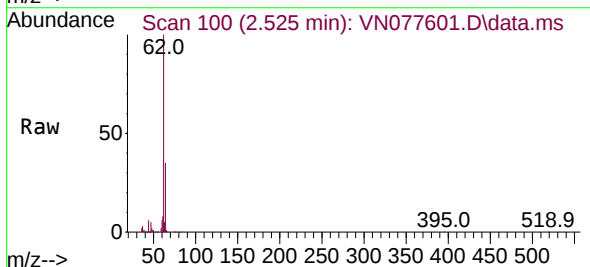
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Ion Ratio Lower Upper  
50 100  
52 34.1 26.6 39.8

Manual Integrations  
APPROVED

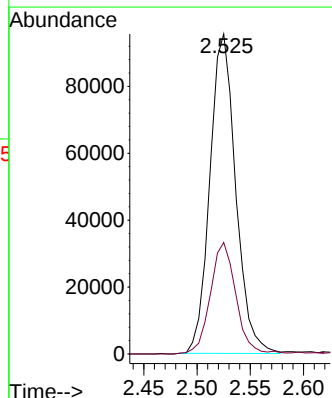
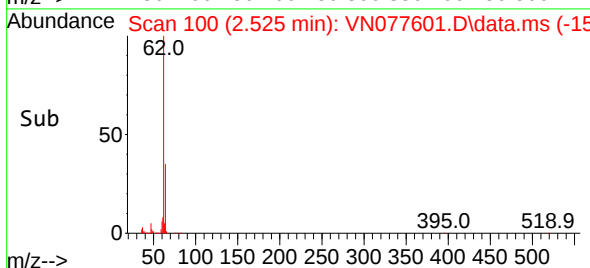
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023

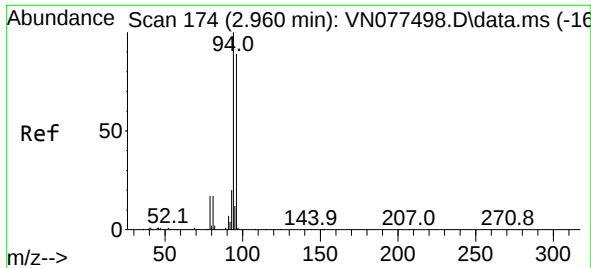


#4  
Vinyl Chloride  
Concen: 10.631 ug/l  
RT: 2.525 min Scan# 100  
Delta R.T. 0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42



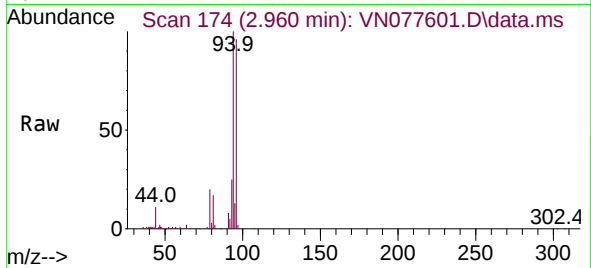
Tgt Ion: 62 Resp: 161182  
Ion Ratio Lower Upper  
62 100  
64 34.7 27.1 40.7





#5  
Bromomethane  
Concen: 8.875 ug/l  
RT: 2.960 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

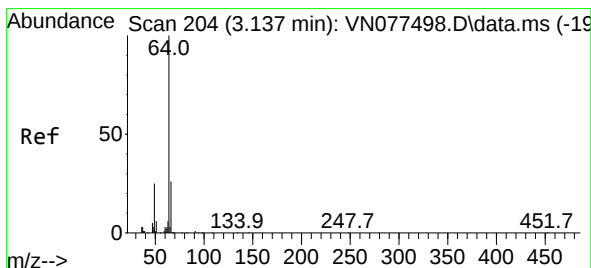
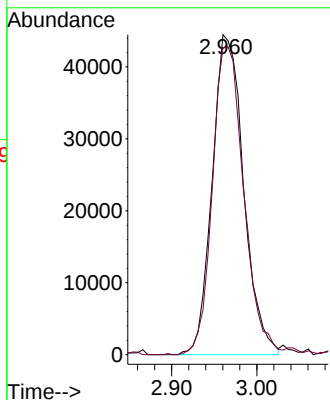
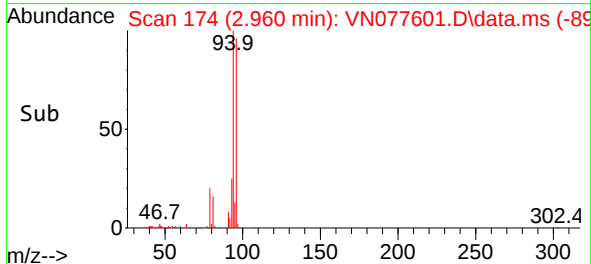
Instrument :  
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ClientSampleId :  
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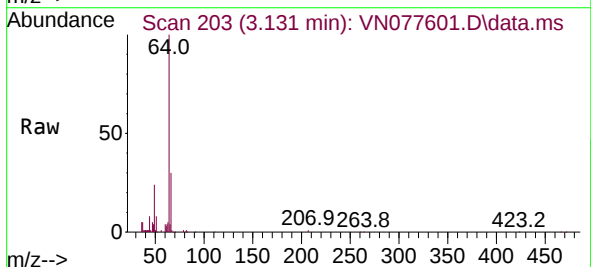
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Ion Ratio Lower Upper  
94 100  
96 95.9 72.6 108.8

Manual Integrations  
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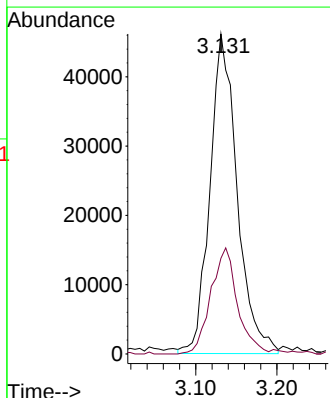
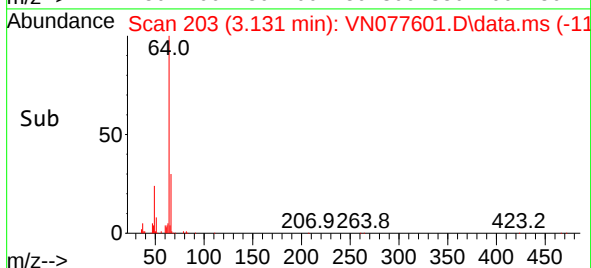
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023

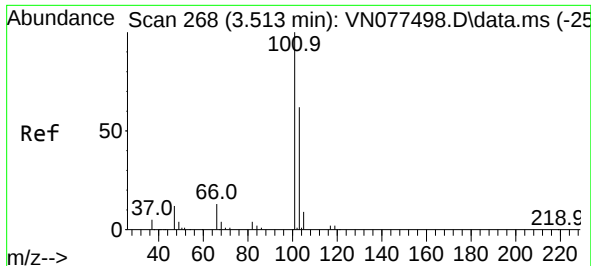


#6  
Chloroethane  
Concen: 9.855 ug/l  
RT: 3.131 min Scan# 203  
Delta R.T. -0.006 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42



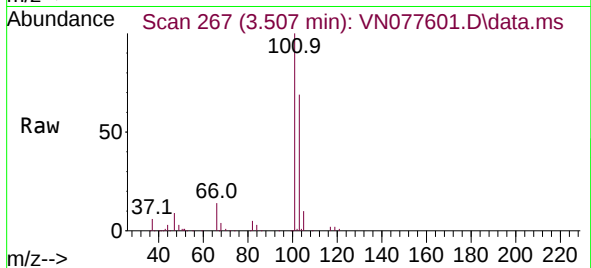
Tgt Ion: 64 Resp: 107595  
Ion Ratio Lower Upper  
64 100  
66 30.3 29.1 43.7





#7  
Trichlorofluoromethane  
Concen: 10.655 ug/l  
RT: 3.507 min Scan# 268  
Delta R.T. -0.006 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

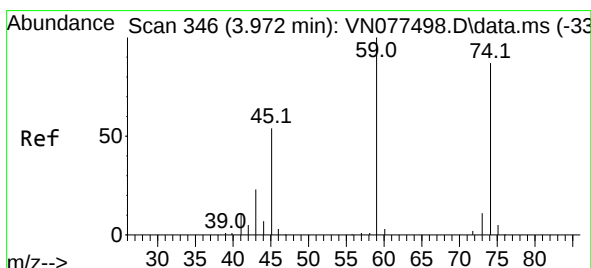
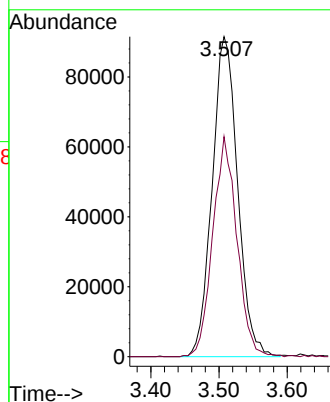
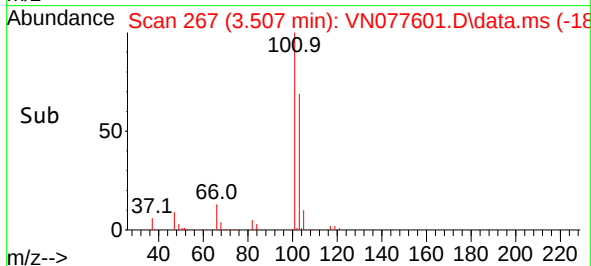
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020



Tgt Ion:101 Resp: 238235  
Ion Ratio Lower Upper  
101 100  
103 68.7 51.8 77.8

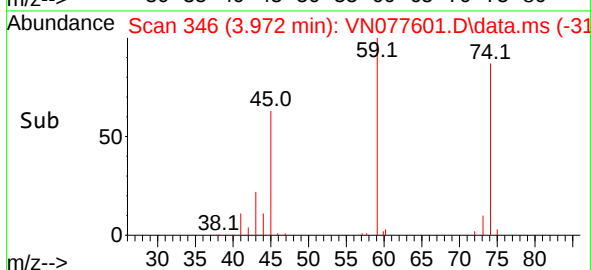
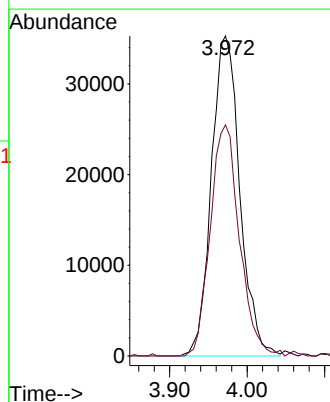
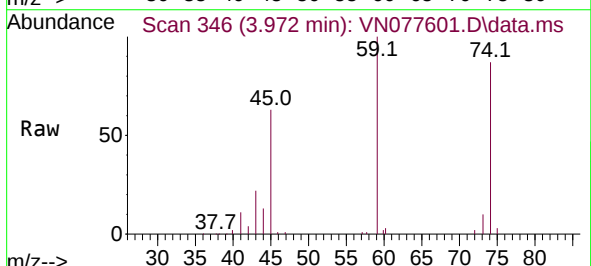
Manual Integrations  
APPROVED

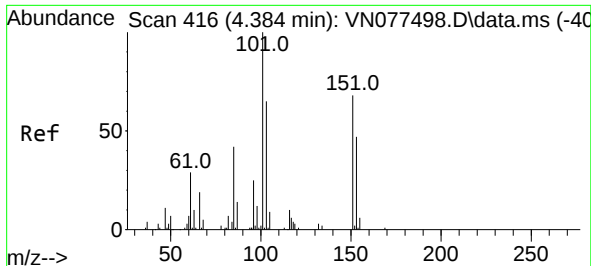
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023



#8  
Diethyl Ether  
Concen: 11.493 ug/l  
RT: 3.972 min Scan# 346  
Delta R.T. 0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

Tgt Ion: 74 Resp: 89919  
Ion Ratio Lower Upper  
74 100  
45 74.0 13.6 122.0





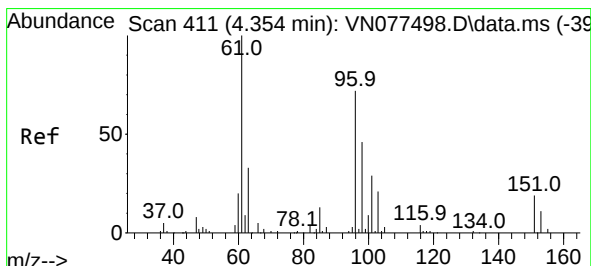
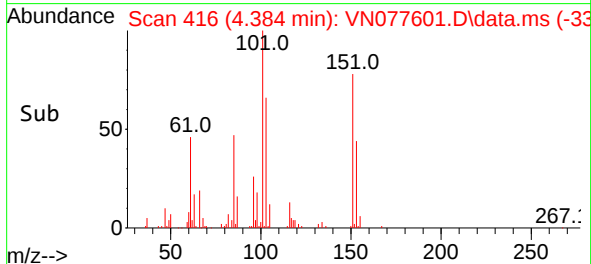
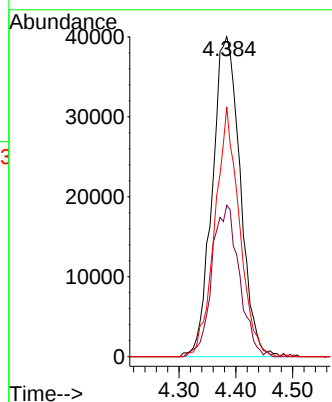
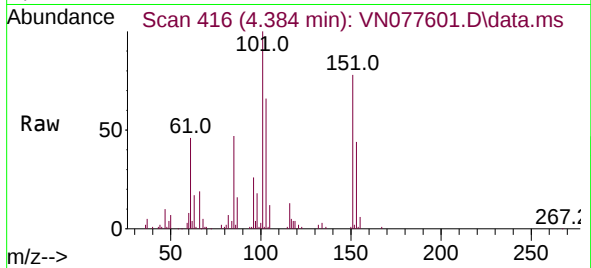
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 10.778 ug/l  
RT: 4.384 min Scan# 416  
Delta R.T. -0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

Tgt Ion:101 Resp: 136200  
Ion Ratio Lower Upper  
101 100  
85 46.3 0.0 90.4  
151 68.7 0.0 140.8

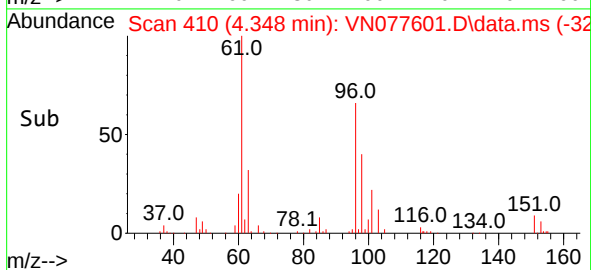
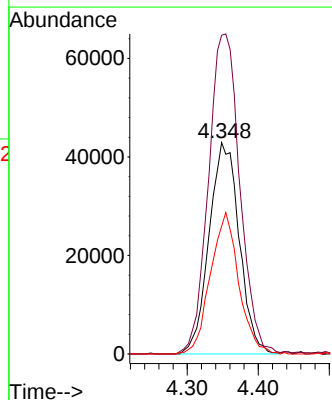
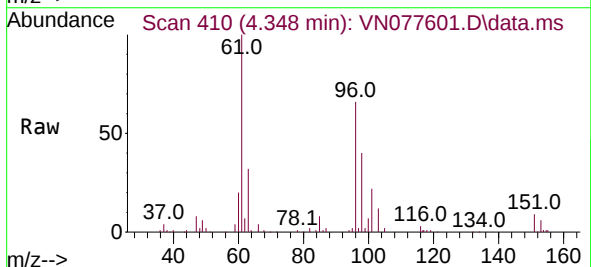
Manual Integrations  
APPROVED

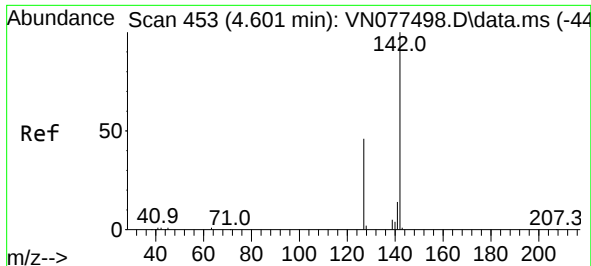
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023



#10  
1,1-Dichloroethene  
Concen: 10.429 ug/l  
RT: 4.348 min Scan# 410  
Delta R.T. -0.006 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

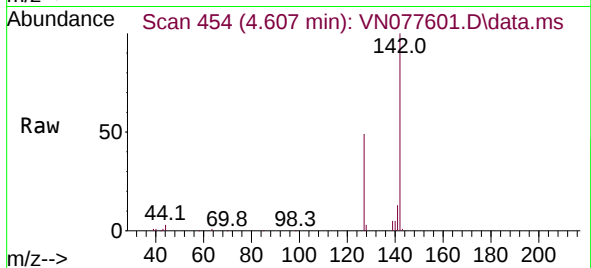
Tgt Ion: 96 Resp: 126430  
Ion Ratio Lower Upper  
96 100  
61 150.1 108.8 163.2  
98 60.4 43.5 65.3





#11  
Methyl Iodide  
Concen: 10.182 ug/l  
RT: 4.607 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

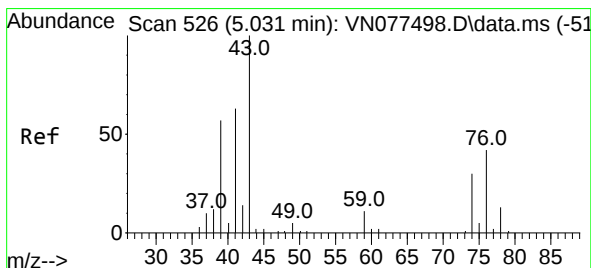
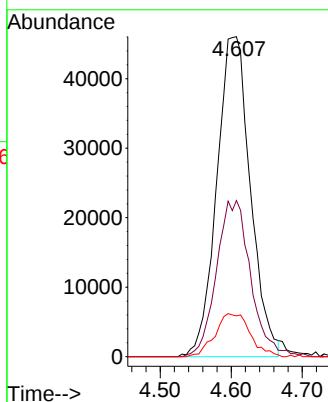
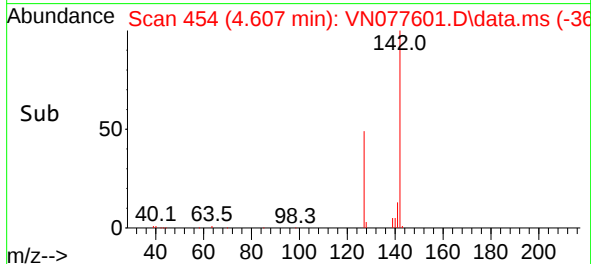
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020



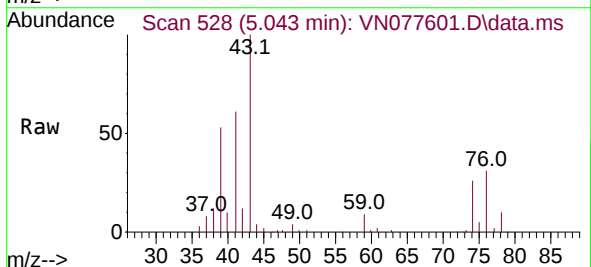
Tgt Ion:142 Resp: 151438  
Ion Ratio Lower Upper  
142 100  
127 49.1 23.1 69.3  
141 12.8 6.0 18.0

Manual Integrations  
APPROVED

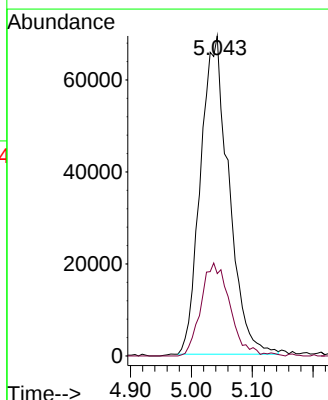
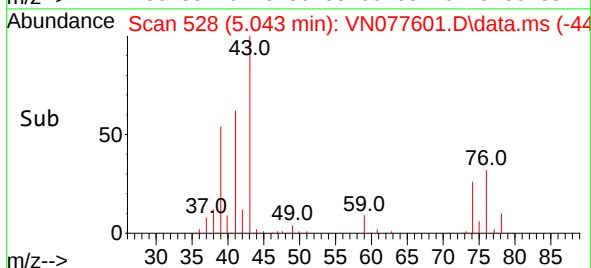
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023

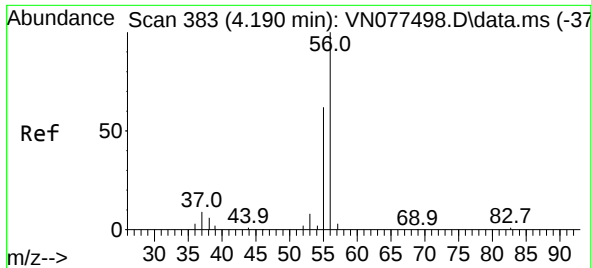


#12  
Methyl Acetate  
Concen: 12.756 ug/l  
RT: 5.043 min Scan# 528  
Delta R.T. 0.012 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42



Tgt Ion: 43 Resp: 223021  
Ion Ratio Lower Upper  
43 100  
74 25.8 25.8 38.8#





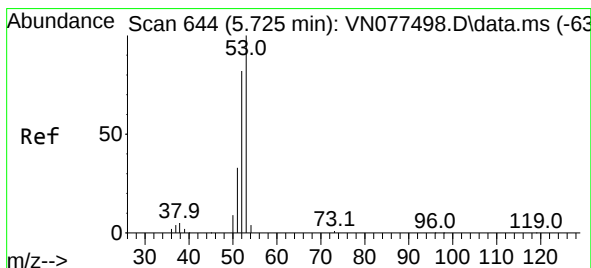
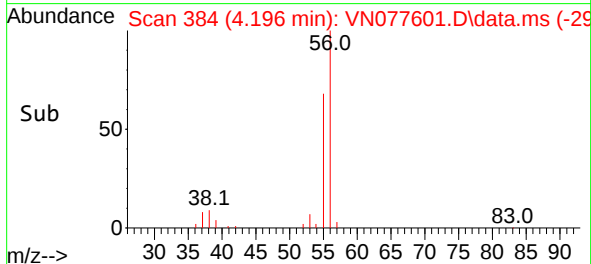
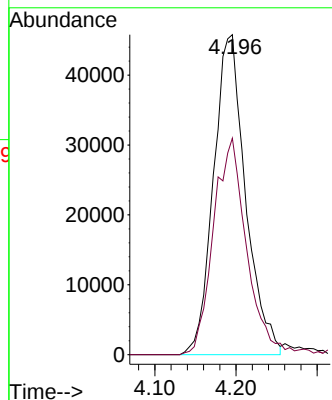
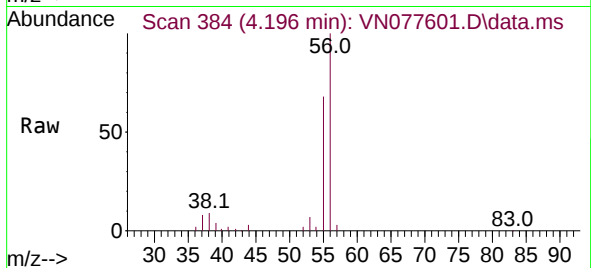
#13  
Acrolein  
Concen: 59.921 ug/l  
RT: 4.196 min Scan# 384  
Delta R.T. 0.006 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

Tgt Ion: 56 Resp: 125612  
Ion Ratio Lower Upper  
56 100  
55 68.5 55.8 83.6

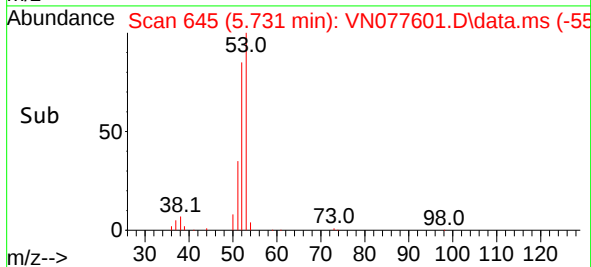
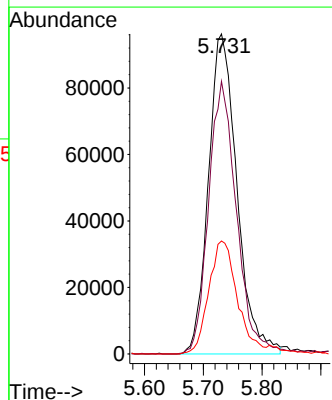
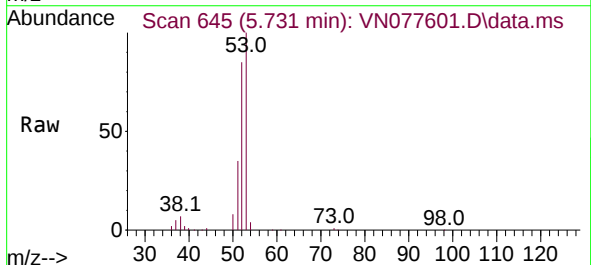
Manual Integrations  
APPROVED

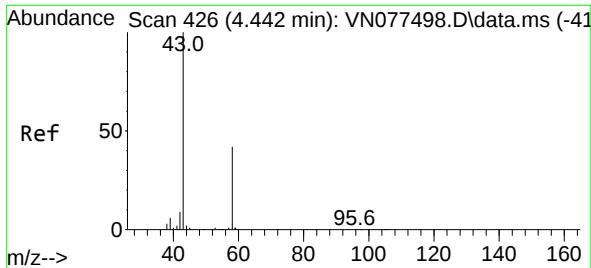
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023



#14  
Acrylonitrile  
Concen: 60.474 ug/l  
RT: 5.731 min Scan# 645  
Delta R.T. 0.006 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

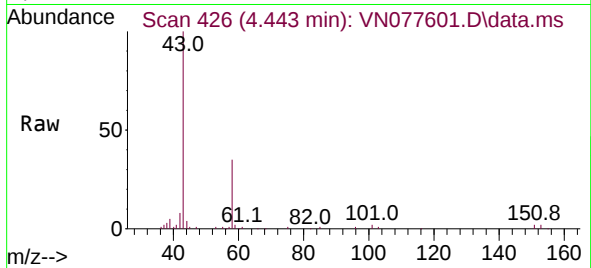
Tgt Ion: 53 Resp: 324380  
Ion Ratio Lower Upper  
53 100  
52 83.2 41.9 125.6  
51 35.3 18.0 54.0





#15  
Acetone  
Concen: 50.063 ug/l  
RT: 4.443 min Scan# 41  
Delta R.T. 0.001 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

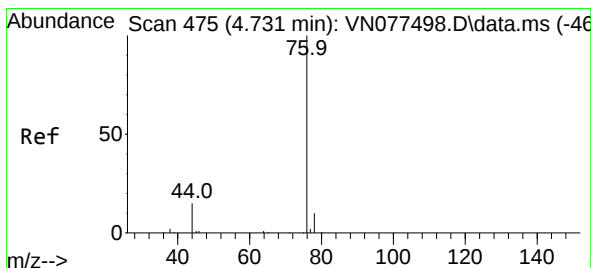
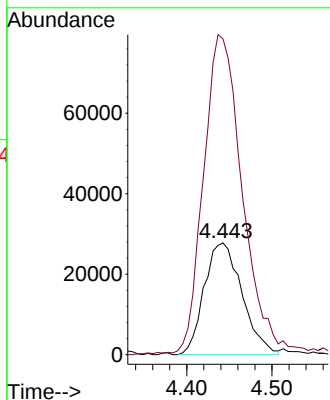
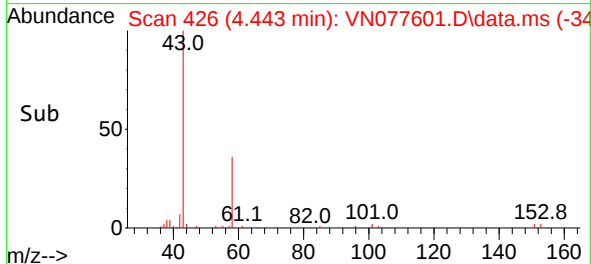
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020



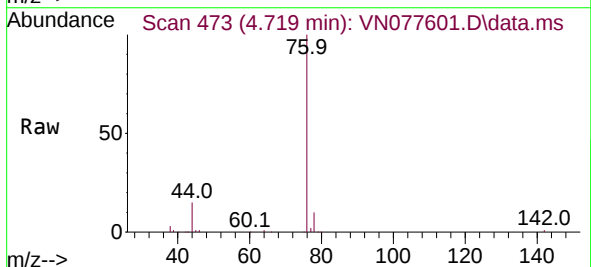
Tgt Ion: 58 Resp: 85738  
Ion Ratio Lower Upper  
58 100  
43 279.0 197.2 295.8

Manual Integrations  
APPROVED

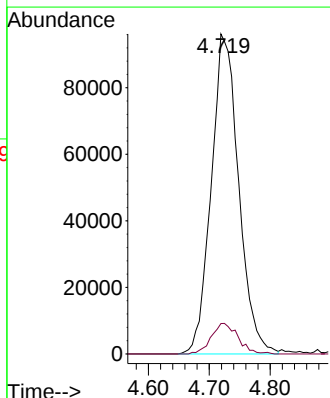
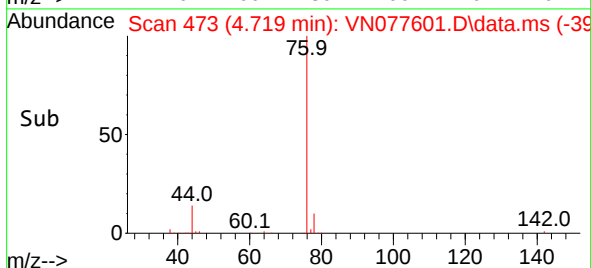
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023

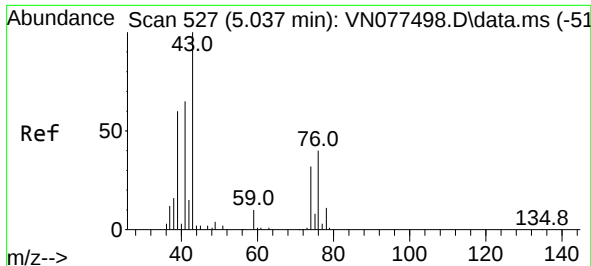


#16  
Carbon Disulfide  
Concen: 9.900 ug/l  
RT: 4.719 min Scan# 473  
Delta R.T. -0.012 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42



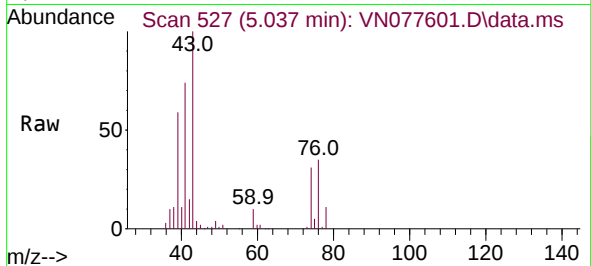
Tgt Ion: 76 Resp: 300962  
Ion Ratio Lower Upper  
76 100  
78 9.5 7.8 11.8





#17  
Allyl chloride  
Concen: 11.627 ug/l  
RT: 5.037 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

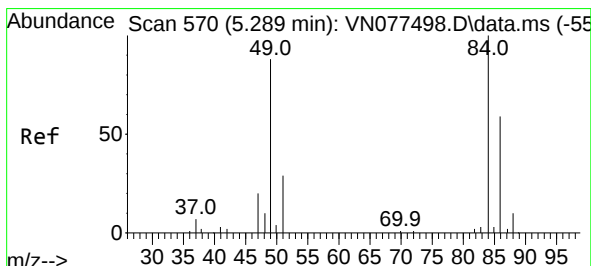
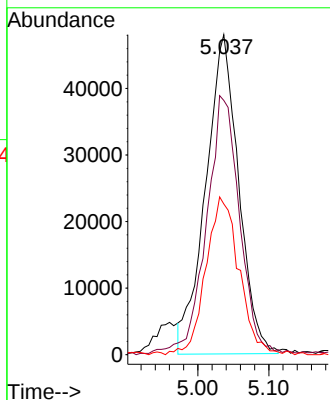
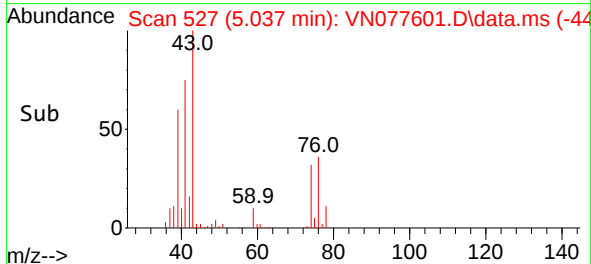
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020



Tgt Ion: 41 Resp: 154554  
Ion Ratio Lower Upper  
41 100  
39 78.9 38.6 116.0  
76 46.9 26.1 78.3

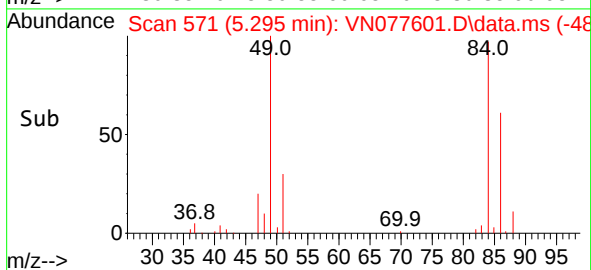
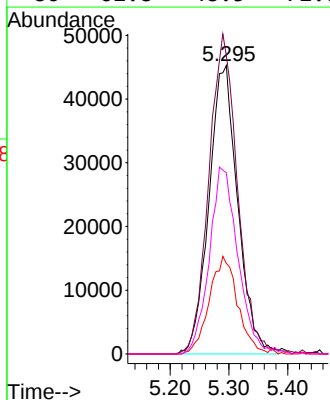
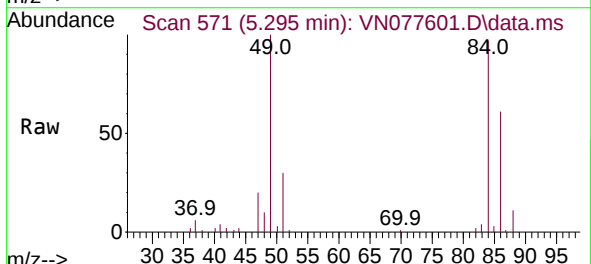
Manual Integrations  
APPROVED

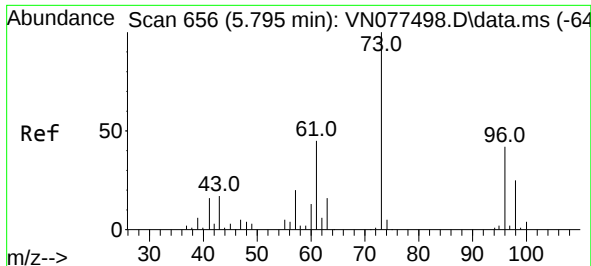
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023



#18  
Methylene Chloride  
Concen: 10.768 ug/l  
RT: 5.295 min Scan# 571  
Delta R.T. 0.006 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

Tgt Ion: 84 Resp: 153992  
Ion Ratio Lower Upper  
84 100  
49 103.0 74.6 112.0  
51 31.4 25.0 37.6  
86 62.8 48.5 72.7





#19

trans-1,2-Dichloroethene

Concen: 10.585 ug/l

RT: 5.790 min Scan# 61

Delta R.T. -0.005 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 96 Resp: 14178

Ion Ratio Lower Upper

96 100

61 115.5 89.7 134.5

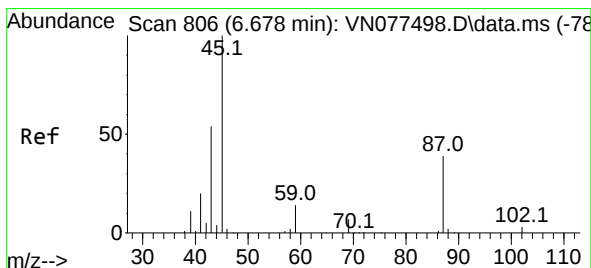
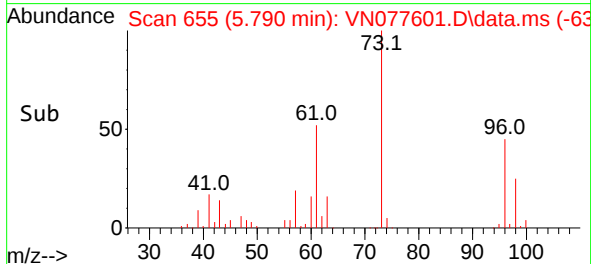
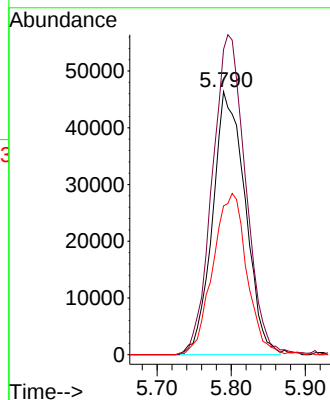
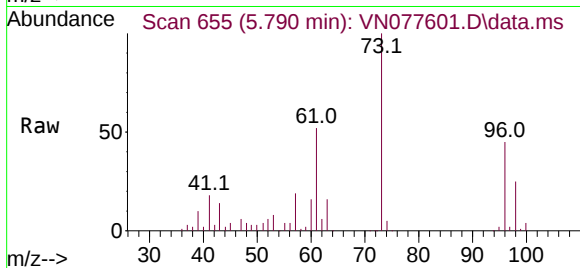
98 56.0 47.0 70.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2023

Supervised By :Mahesh Dadoda 05/08/2023



#20

Diisopropyl ether

Concen: 12.317 ug/l

RT: 6.684 min Scan# 807

Delta R.T. 0.006 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Tgt Ion: 45 Resp: 381140

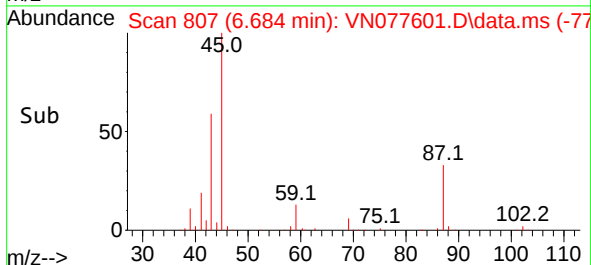
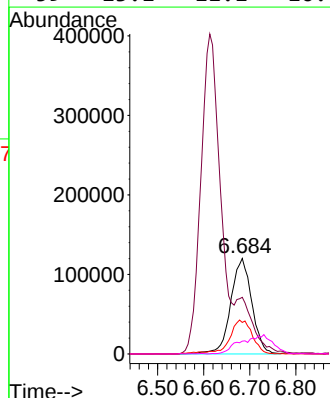
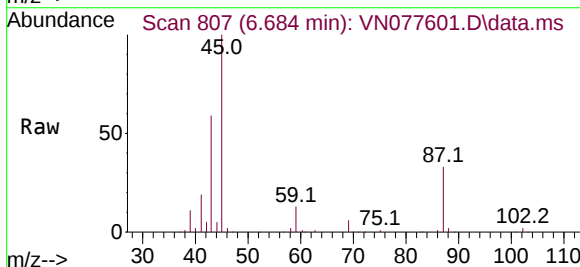
Ion Ratio Lower Upper

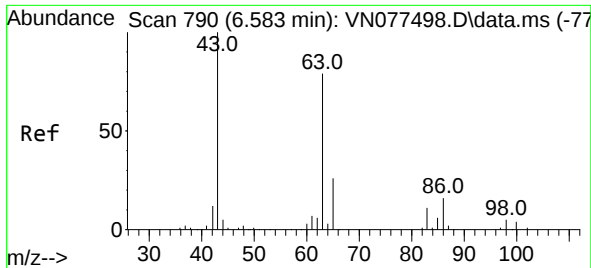
45 100

43 58.9 46.6 69.8

87 32.7 34.6 52.0#

59 13.1 11.1 16.7





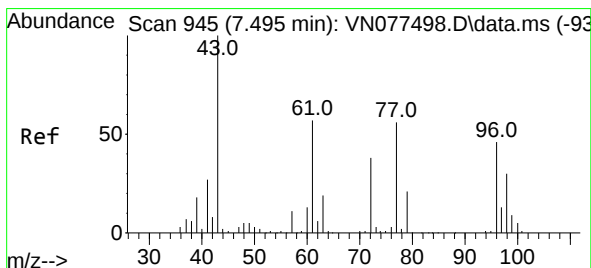
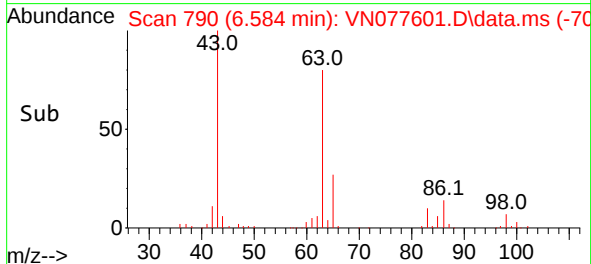
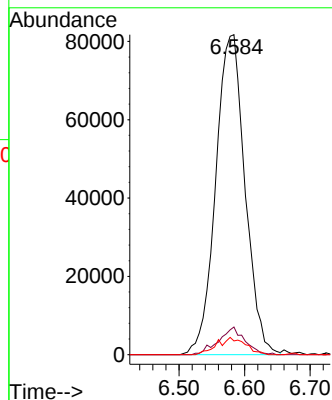
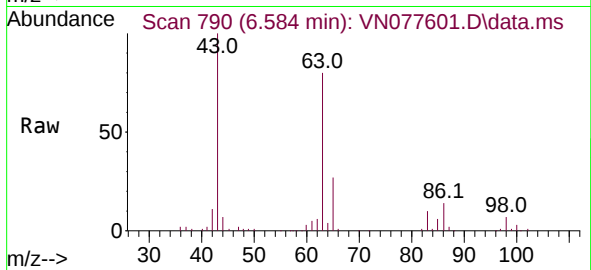
#21  
1,1-Dichloroethane  
Concen: 11.218 ug/l  
RT: 6.584 min Scan# 790  
Delta R.T. 0.001 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

Tgt Ion: 63 Resp: 253680  
Ion Ratio Lower Upper  
63 100  
98 8.7 4.0 12.0  
100 4.5 3.4 10.1

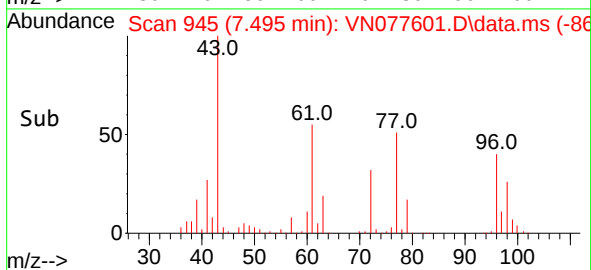
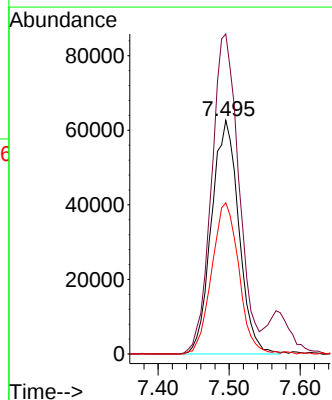
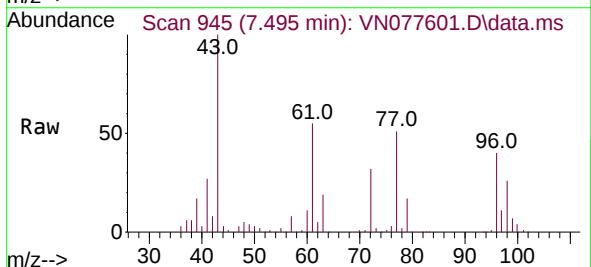
Manual Integrations  
APPROVED

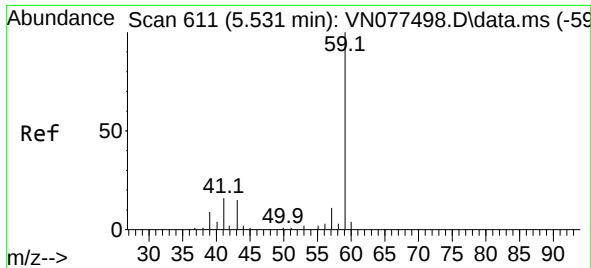
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023



#22  
cis-1,2-Dichloroethene  
Concen: 10.439 ug/l  
RT: 7.495 min Scan# 945  
Delta R.T. 0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

Tgt Ion: 96 Resp: 167477  
Ion Ratio Lower Upper  
96 100  
61 136.7 100.2 150.2  
98 64.0 51.6 77.4





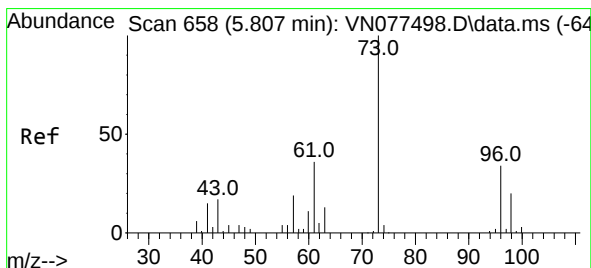
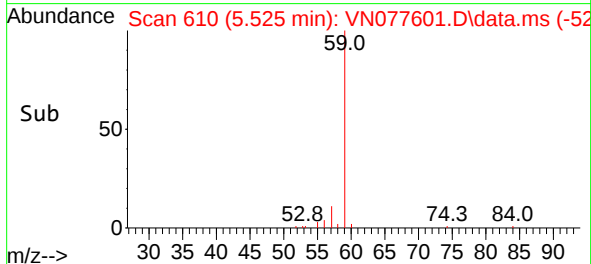
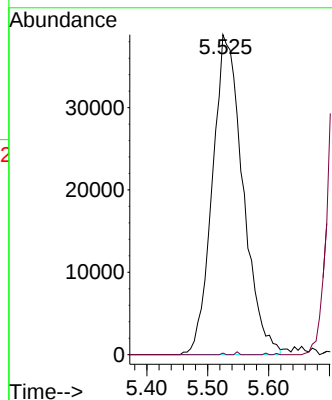
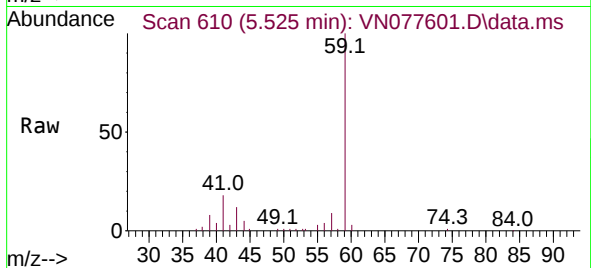
#23  
tert-Butyl Alcohol  
Concen: 58.396 ug/l  
RT: 5.525 min Scan# 611  
Delta R.T. -0.006 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

Tgt Ion: 59 Resp: 135133  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0

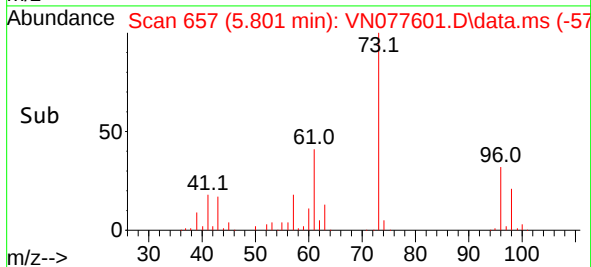
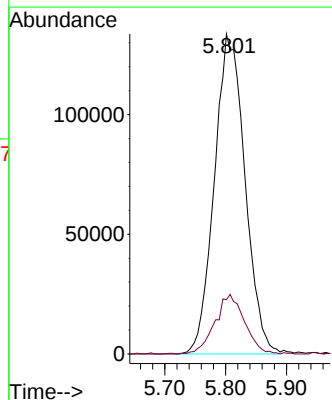
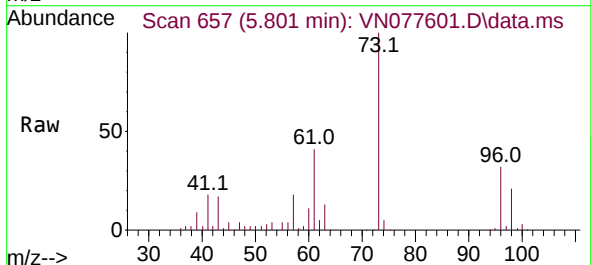
Manual Integrations  
APPROVED

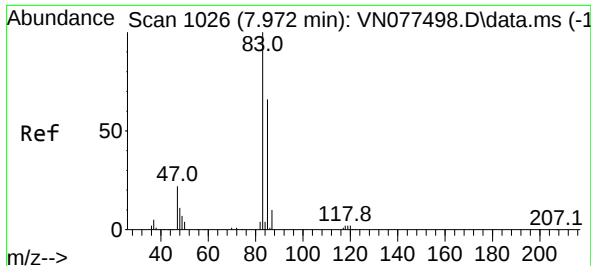
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023



#24  
Methyl tert-Butyl Ether  
Concen: 11.082 ug/l  
RT: 5.801 min Scan# 657  
Delta R.T. -0.006 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

Tgt Ion: 73 Resp: 466004  
Ion Ratio Lower Upper  
73 100  
43 17.9 13.5 20.3





#25

Chloroform

Concen: 11.123 ug/l

RT: 7.972 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 83 Resp: 289089

Ion Ratio Lower Upper

83 100

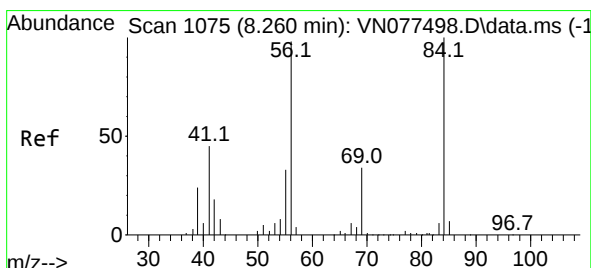
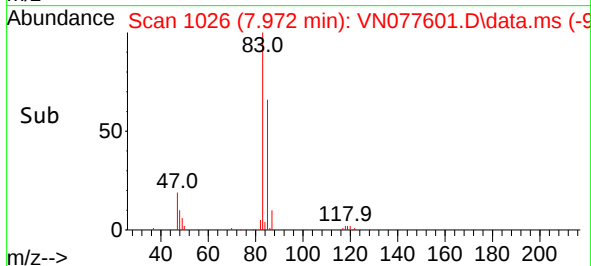
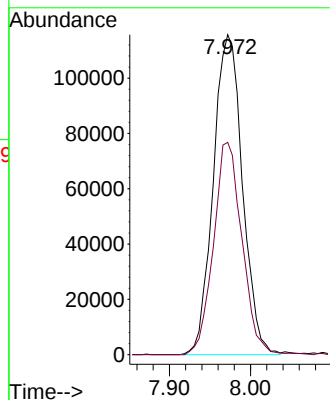
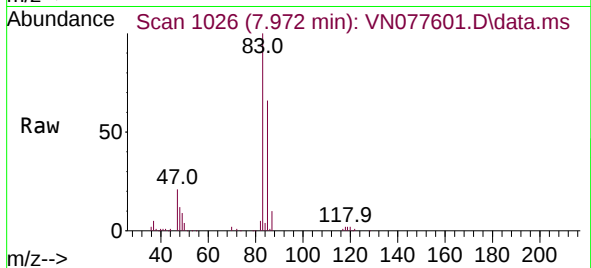
85 66.3 53.0 79.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2023

Supervised By :Mahesh Dadoda 05/08/2023



#26

Cyclohexane

Concen: 11.066 ug/l

RT: 8.260 min Scan# 1075

Delta R.T. -0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

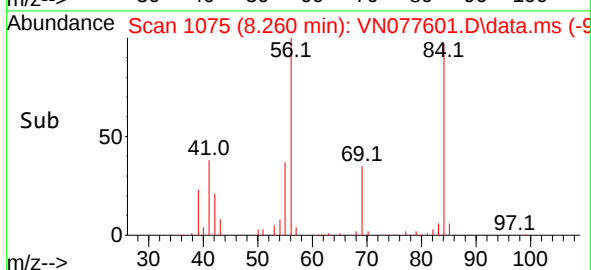
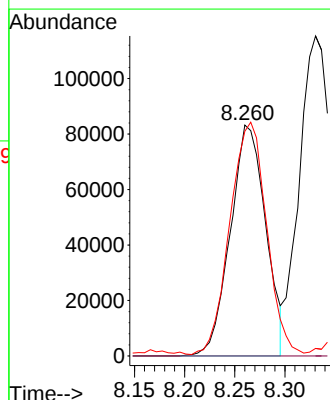
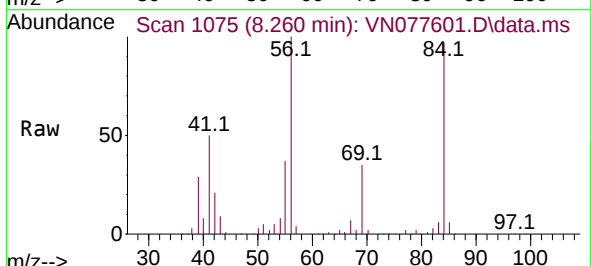
Tgt Ion: 56 Resp: 204140

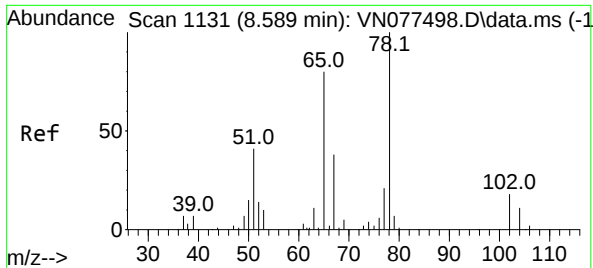
Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

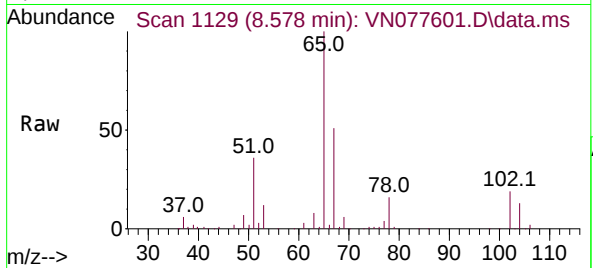
84 105.7 85.4 128.2





#27  
1,2-Dichloroethane-d4  
Concen: 26.985 ug/l  
RT: 8.578 min Scan# 1129  
Delta R.T. -0.011 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

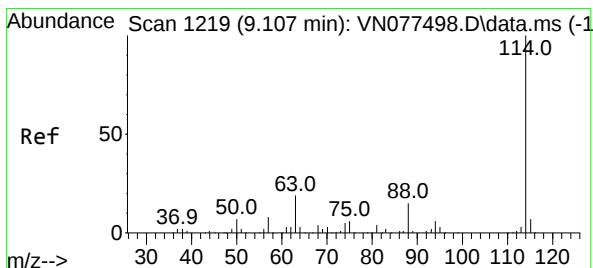
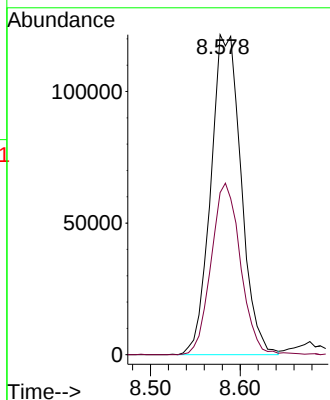
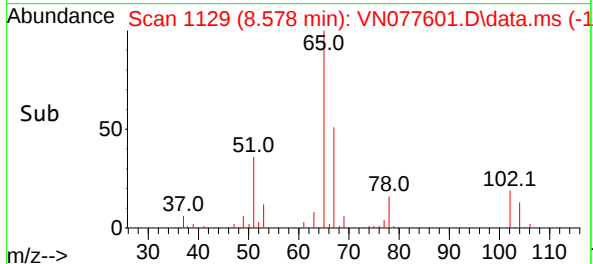
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020



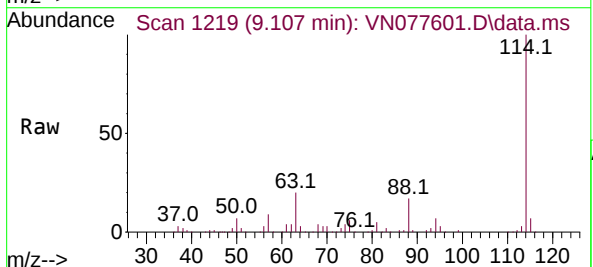
Tgt Ion: 65 Resp: 28513  
Ion Ratio Lower Upper  
65 100  
67 51.6 40.2 60.2

Manual Integrations  
APPROVED

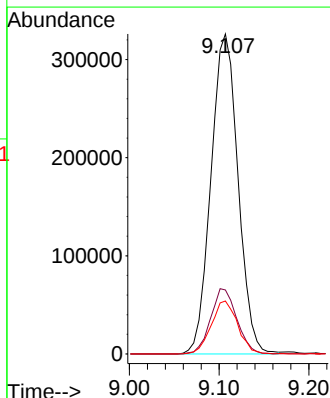
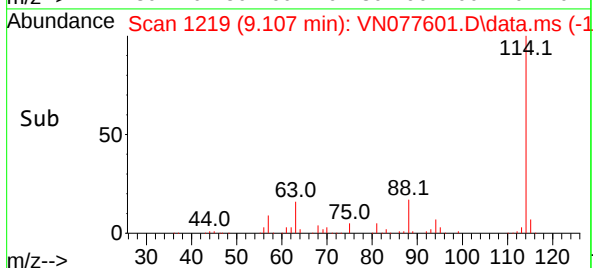
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023

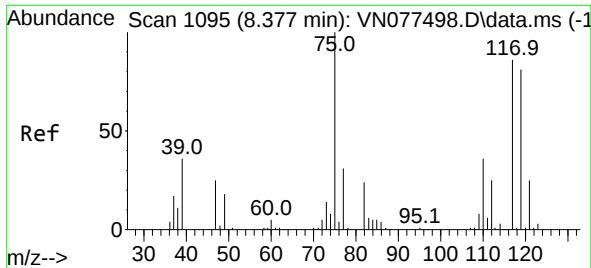


#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.107 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42



Tgt Ion:114 Resp: 683578  
Ion Ratio Lower Upper  
114 100  
63 19.7 14.1 21.1  
88 16.2 12.3 18.5





#29

1,1-Dichloropropene

Concen: 13.958 ug/l

RT: 8.378 min Scan# 1095

Delta R.T. 0.001 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 75 Resp: 20112

Ion Ratio Lower Upper

75 100

110 34.9 0.0 74.0

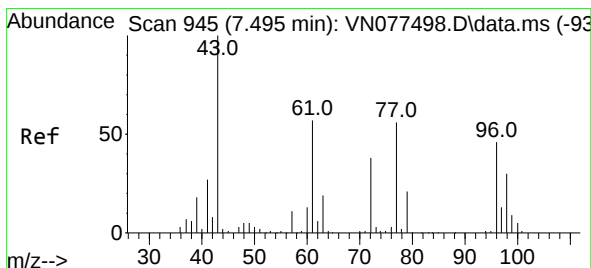
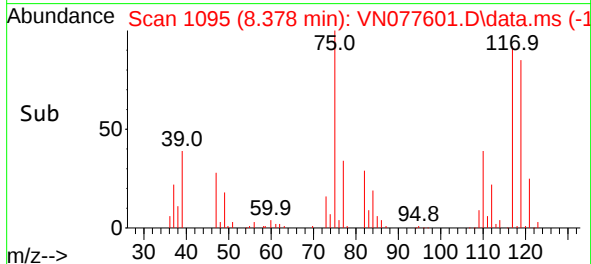
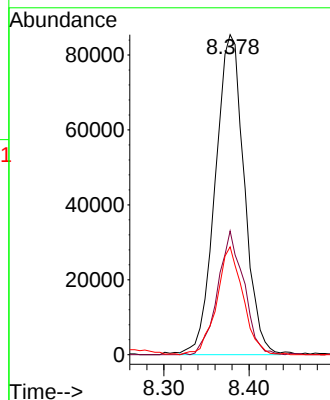
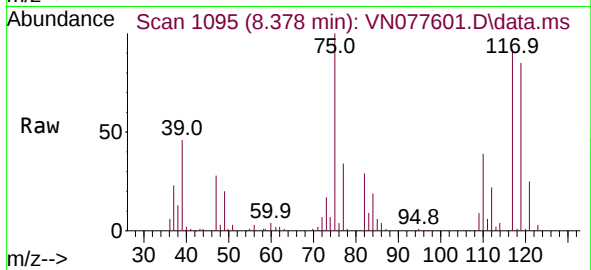
77 30.7 0.0 62.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2023

Supervised By :Mahesh Dadoda 05/08/2023



#30

2-Butanone

Concen: 77.199 ug/l

RT: 7.495 min Scan# 945

Delta R.T. 0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

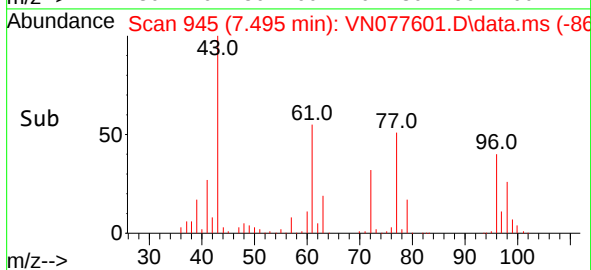
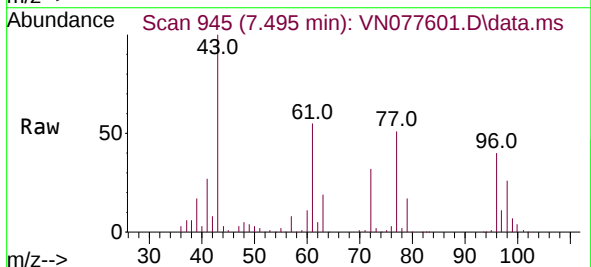
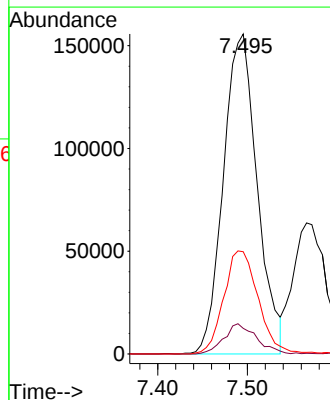
Tgt Ion: 43 Resp: 407826

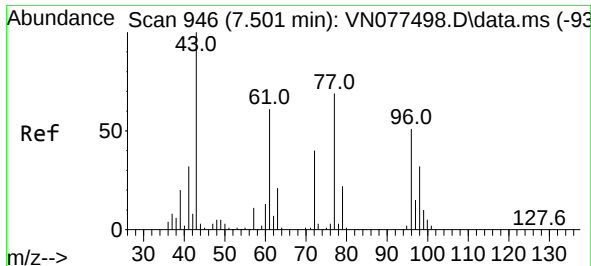
Ion Ratio Lower Upper

43 100

57 9.0 8.0 12.0

72 32.7 30.4 45.6





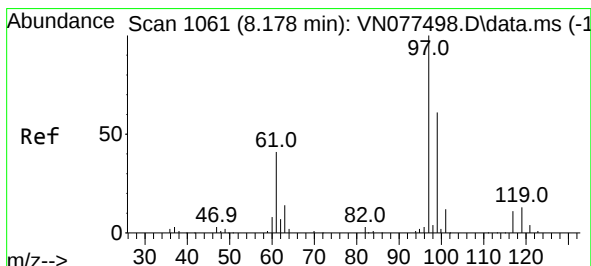
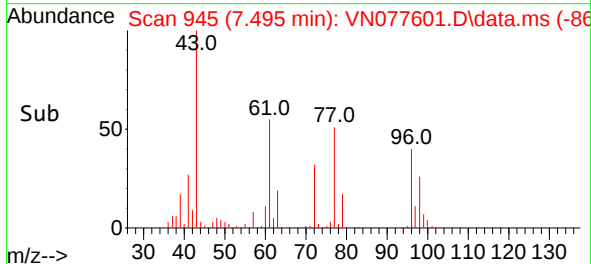
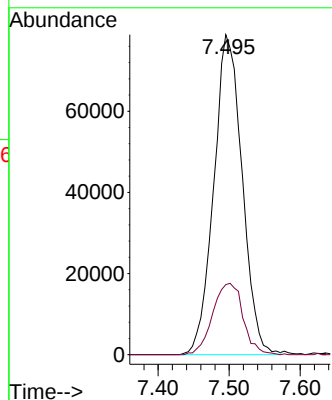
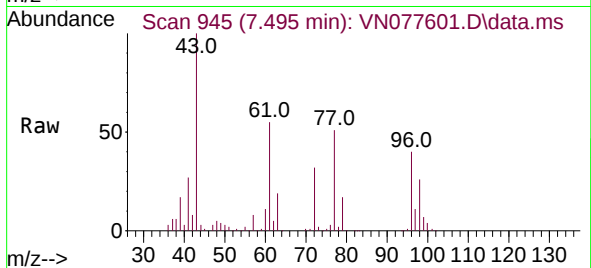
#31  
2,2-Dichloropropane  
Concen: 12.978 ug/l  
RT: 7.495 min Scan# 946  
Delta R.T. -0.006 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

Tgt Ion: 77 Resp: 218798  
Ion Ratio Lower Upper  
77 100  
97 23.9 18.1 27.1

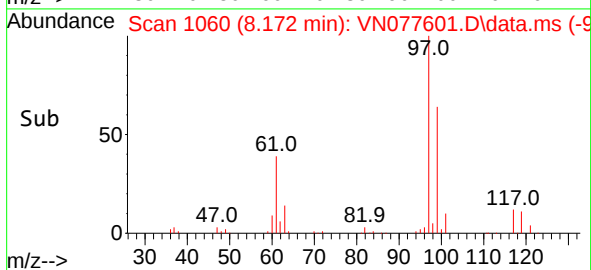
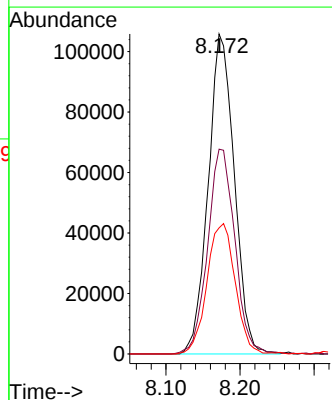
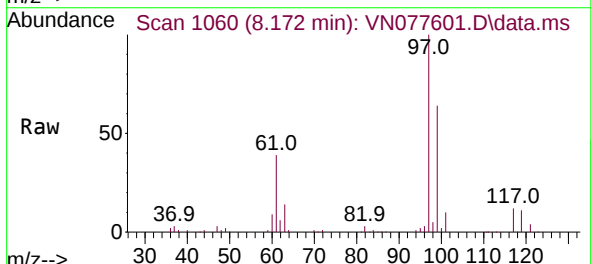
Manual Integrations  
APPROVED

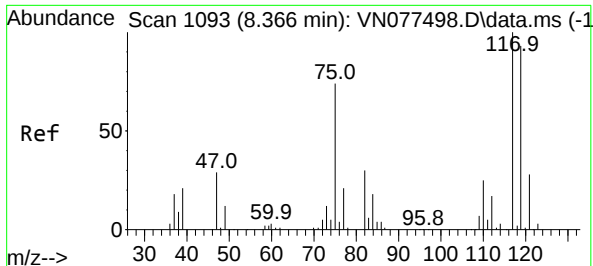
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023



#32  
1,1,1-Trichloroethane  
Concen: 13.941 ug/l  
RT: 8.172 min Scan# 1060  
Delta R.T. -0.006 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

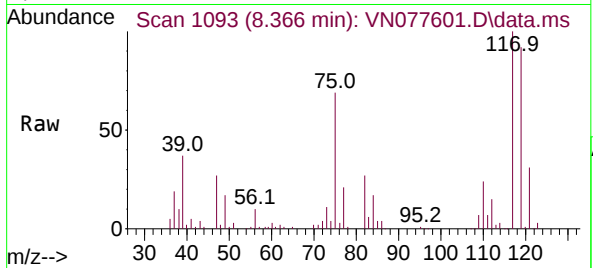
Tgt Ion: 97 Resp: 259280  
Ion Ratio Lower Upper  
97 100  
99 66.4 50.1 75.1  
61 43.9 31.1 46.7





#33  
Carbon Tetrachloride  
Concen: 13.558 ug/l  
RT: 8.366 min Scan# 1093  
Delta R.T. -0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

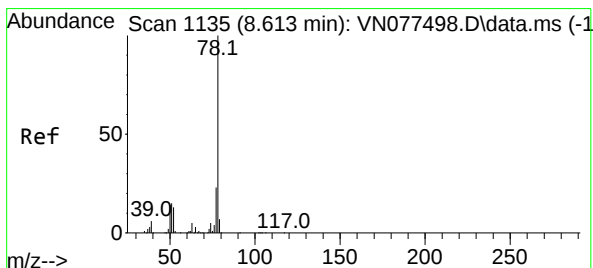
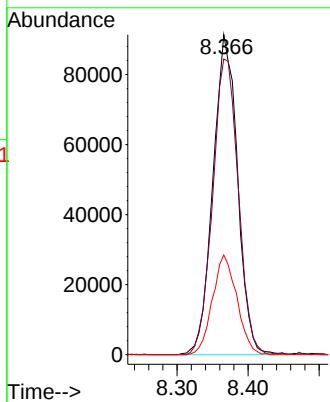
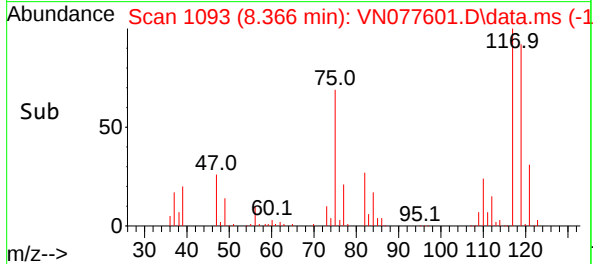
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020



Tgt Ion: 117 Resp: 218869  
Ion Ratio Lower Upper  
117 100  
119 92.4 72.6 109.0  
121 31.2 24.3 36.5

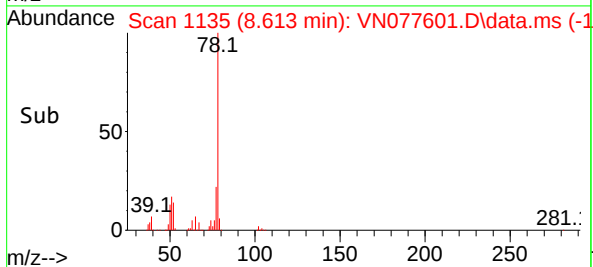
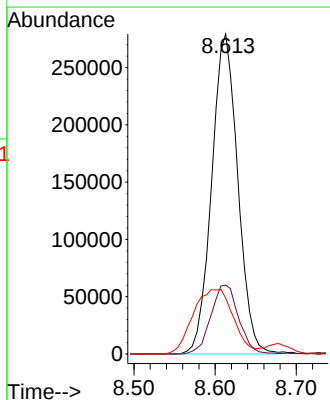
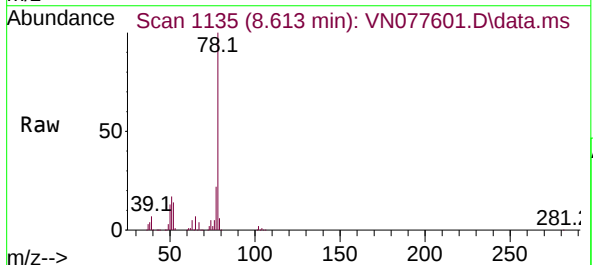
Manual Integrations  
APPROVED

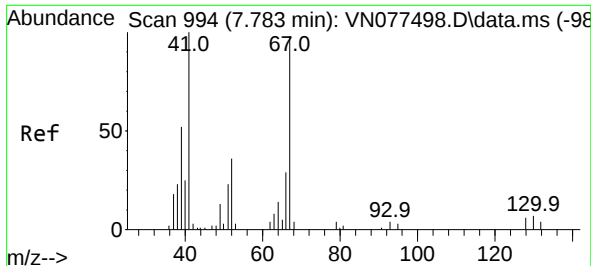
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023



#34  
Benzene  
Concen: 14.093 ug/l  
RT: 8.613 min Scan# 1135  
Delta R.T. -0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

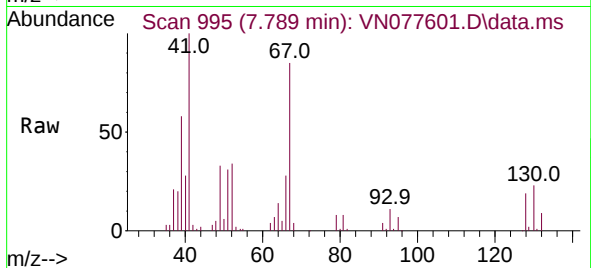
Tgt Ion: 78 Resp: 624462  
Ion Ratio Lower Upper  
78 100  
77 21.5 17.1 25.7  
51 15.4 11.3 16.9





#35  
Methacrylonitrile  
Concen: 16.828 ug/l  
RT: 7.789 min Scan# 994  
Delta R.T. 0.006 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

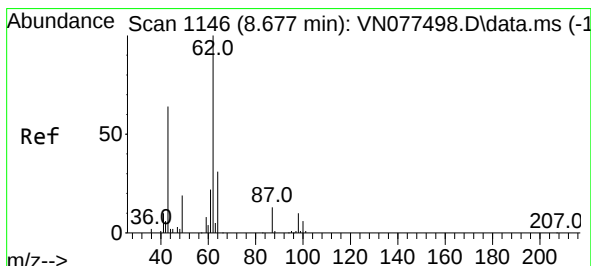
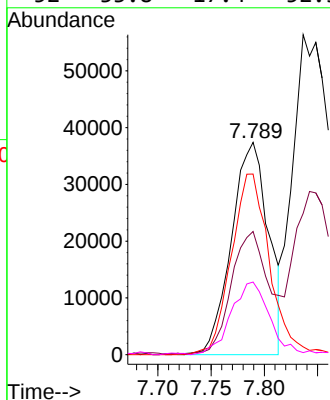
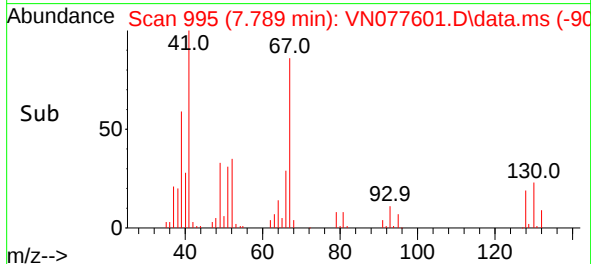
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020



Tgt Ion: 41 Resp: 90768  
Ion Ratio Lower Upper  
41 100  
39 57.5 25.9 77.8  
67 85.4 48.1 144.4  
52 33.8 17.4 52.3

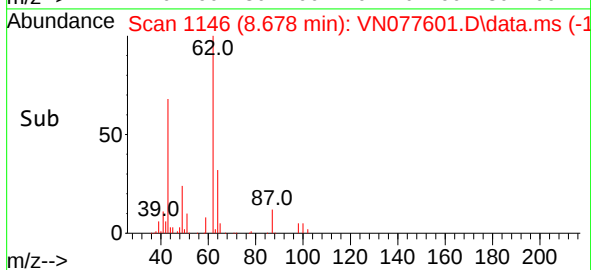
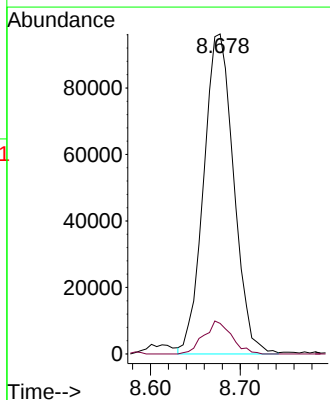
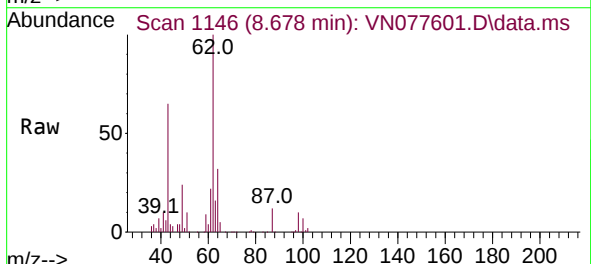
Manual Integrations  
APPROVED

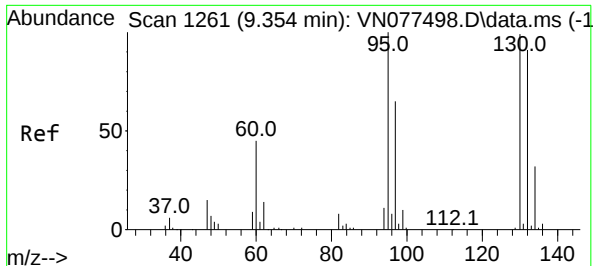
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023



#36  
1,2-Dichloroethane  
Concen: 14.802 ug/l  
RT: 8.678 min Scan# 1146  
Delta R.T. 0.001 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

Tgt Ion: 62 Resp: 224001  
Ion Ratio Lower Upper  
62 100  
98 9.5 8.0 12.0





#37

Trichloroethene

Concen: 13.441 ug/l

RT: 9.354 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

Tgt Ion:130 Resp: 150534

Ion Ratio Lower Upper

130 100

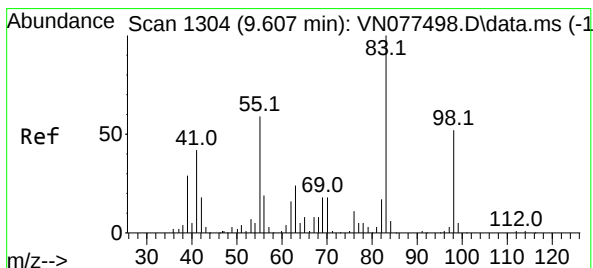
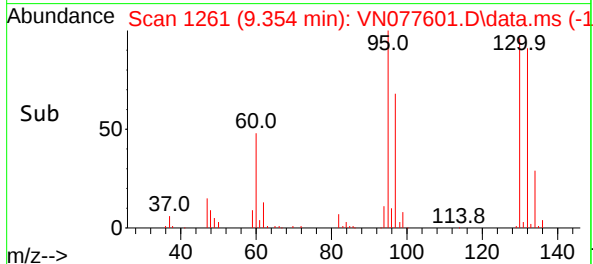
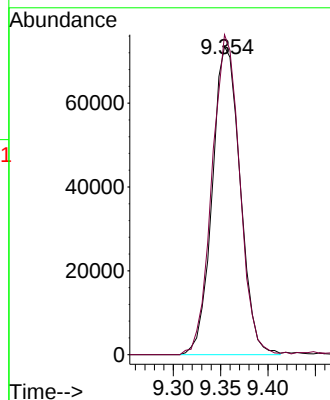
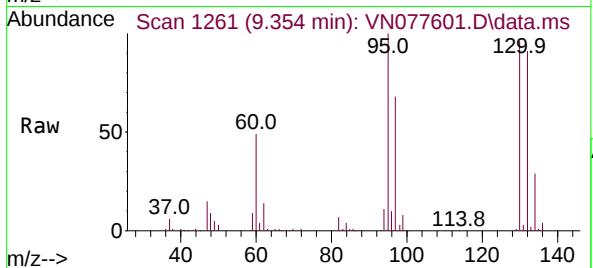
95 103.8 87.1 130.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2023

Supervised By :Mahesh Dadoda 05/08/2023



#38

Methylcyclohexane

Concen: 13.374 ug/l

RT: 9.601 min Scan# 1303

Delta R.T. -0.006 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

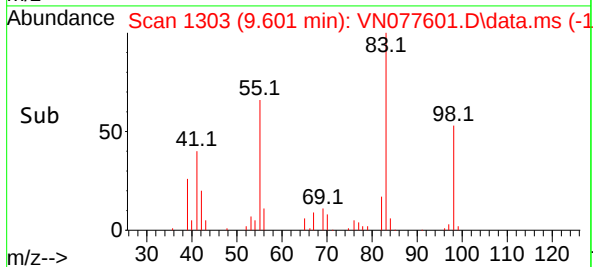
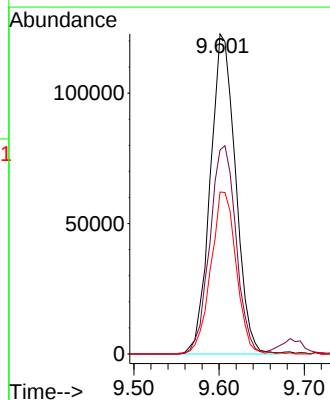
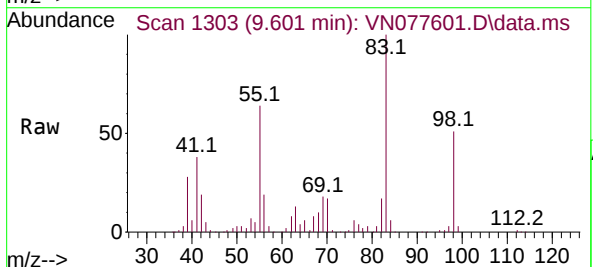
Tgt Ion: 83 Resp: 253169

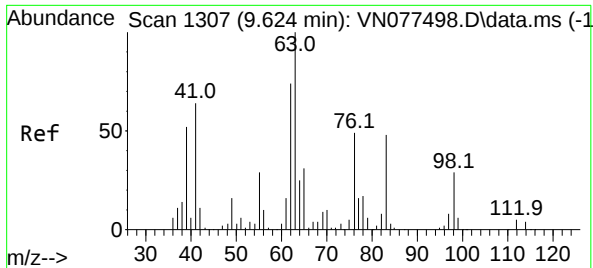
Ion Ratio Lower Upper

83 100

55 67.2 29.6 88.9

98 50.5 25.1 75.3





#39

1,2-Dichloropropane

Concen: 14.509 ug/l

RT: 9.625 min Scan# 1307

Delta R.T. 0.001 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 63 Resp: 14891

Ion Ratio Lower Upper

63 100

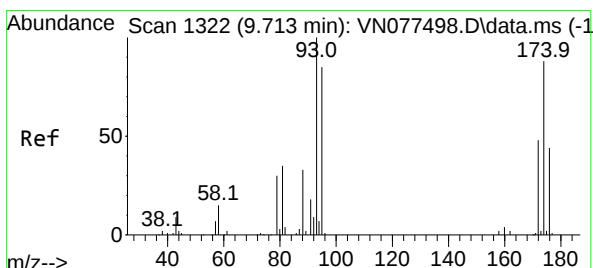
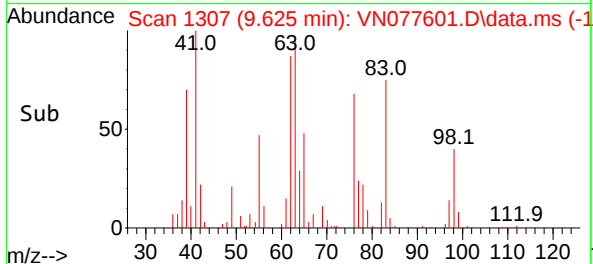
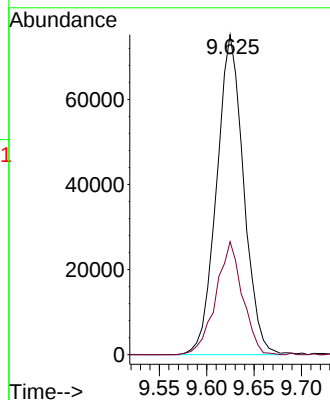
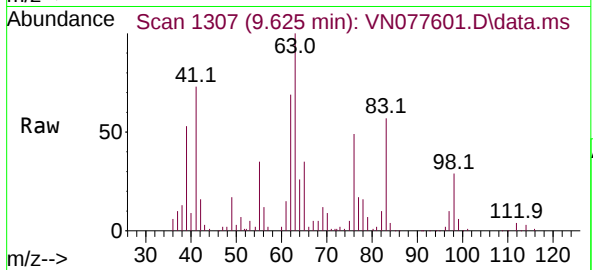
65 35.3 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2023

Supervised By :Mahesh Dadoda 05/08/2023



#40

Dibromomethane

Concen: 14.116 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

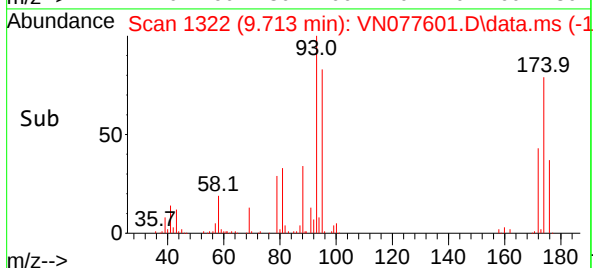
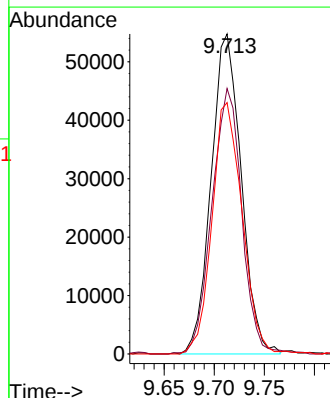
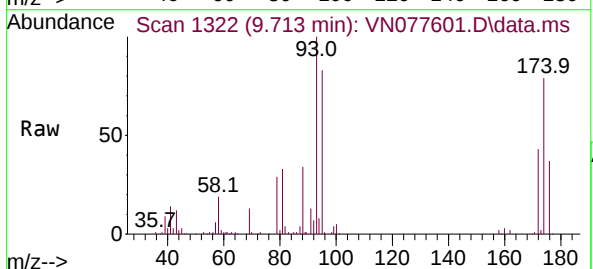
Tgt Ion: 93 Resp: 114255

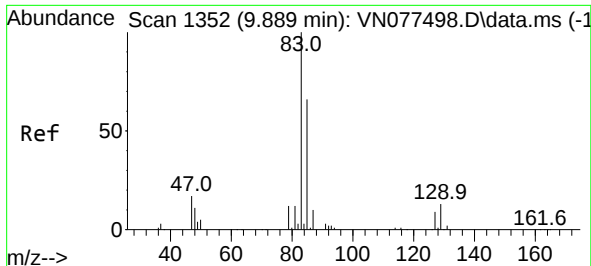
Ion Ratio Lower Upper

93 100

95 82.0 0.0 171.0

174 78.5 0.0 164.2





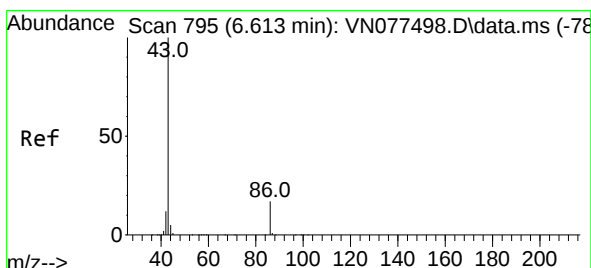
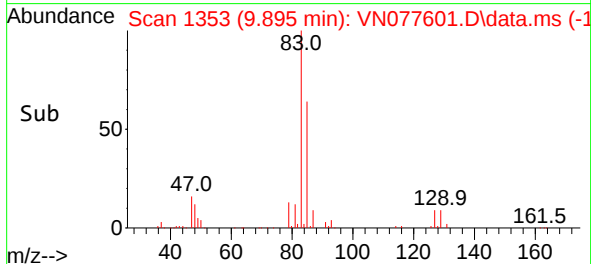
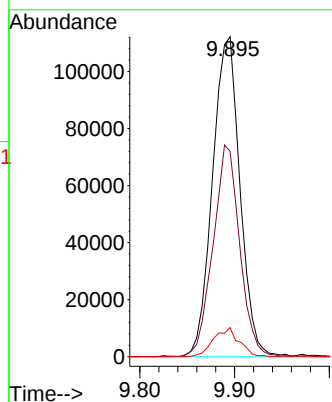
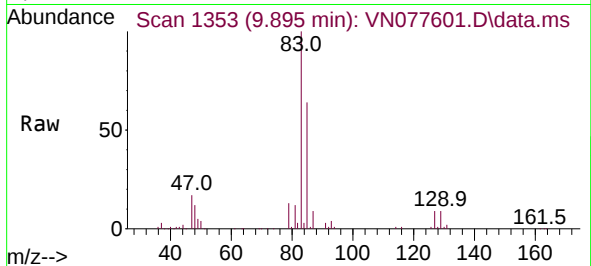
#41  
Bromodichloromethane  
Concen: 14.126 ug/l  
RT: 9.895 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

Tgt Ion: 83 Resp: 22582  
Ion Ratio Lower Upper  
83 100  
85 64.0 49.2 73.8  
127 9.1 6.1 9.1

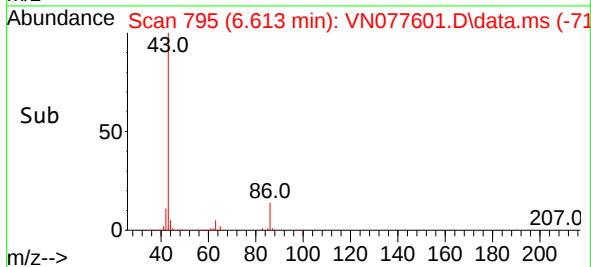
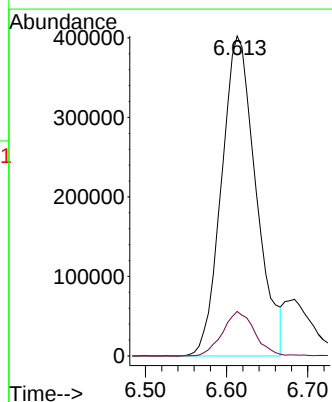
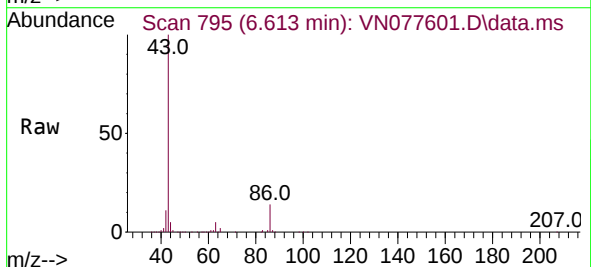
Manual Integrations  
APPROVED

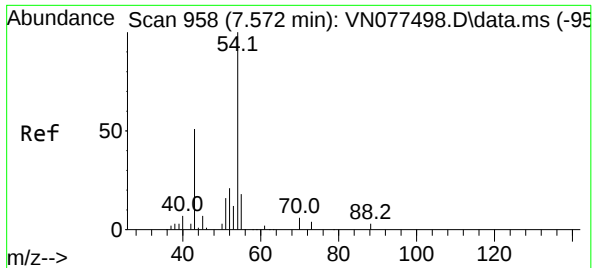
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023



#42  
Vinyl Acetate  
Concen: 71.346 ug/l  
RT: 6.613 min Scan# 795  
Delta R.T. 0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

Tgt Ion: 43 Resp: 1187034  
Ion Ratio Lower Upper  
43 100  
86 12.9 12.6 18.8





#43

Ethyl Acetate

Concen: 5.960 ug/l

RT: 7.854 min Scan# 1006

Delta R.T. 0.282 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 43 Resp: 60938

Ion Ratio Lower Upper

43 100

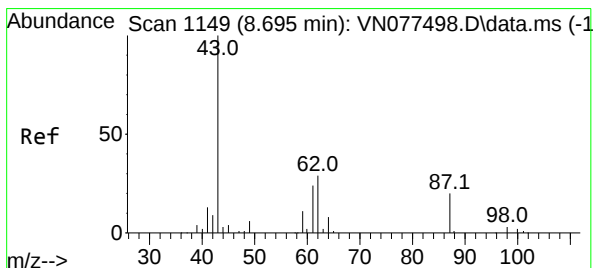
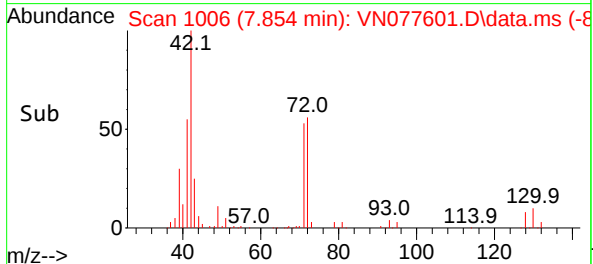
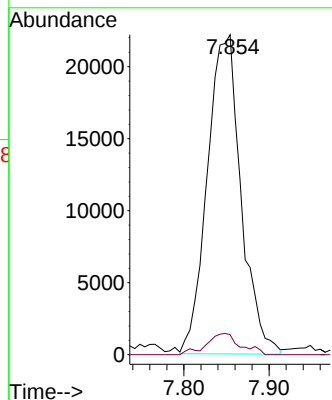
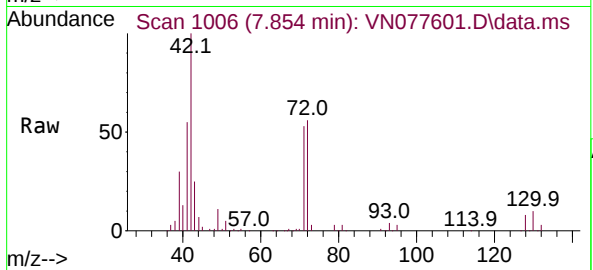
45 5.4 4.8 7.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2023

Supervised By :Mahesh Dadoda 05/08/2023



#44

Isopropyl Acetate

Concen: 15.780 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VN077601.D

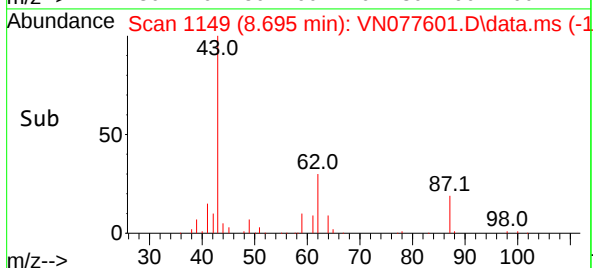
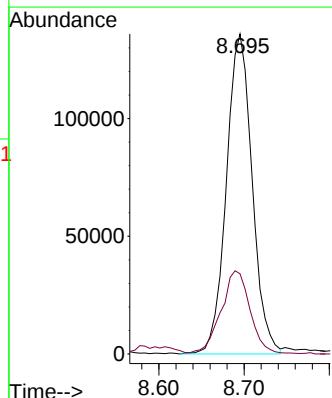
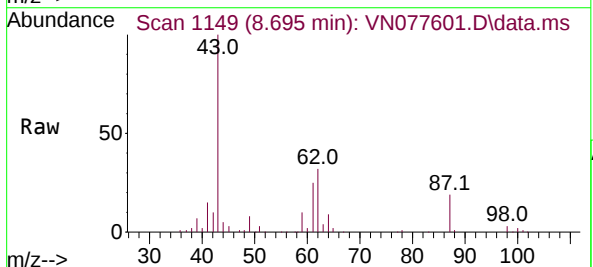
Acq: 05 May 2023 19:42

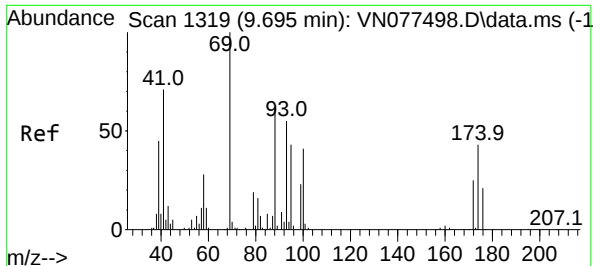
Tgt Ion: 43 Resp: 285826

Ion Ratio Lower Upper

43 100

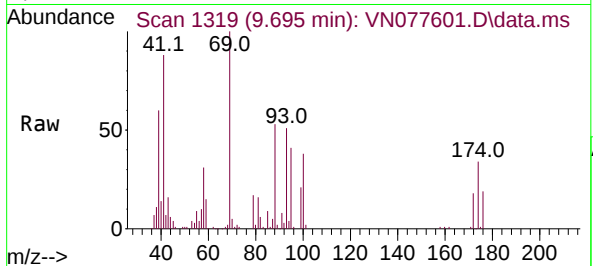
61 29.0 27.2 40.8





#45  
1,4-Dioxane  
Concen: 274.506 ug/l  
RT: 9.695 min Scan# 1319  
Delta R.T. 0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

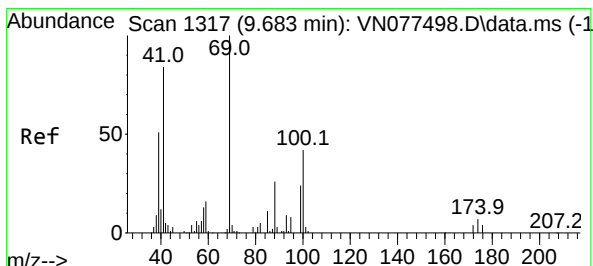
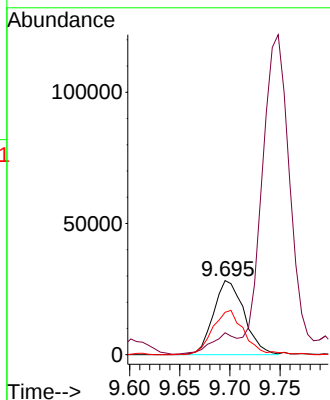
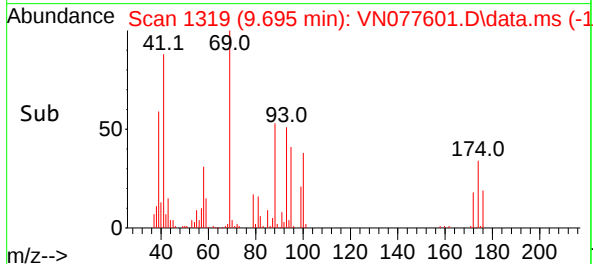
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020



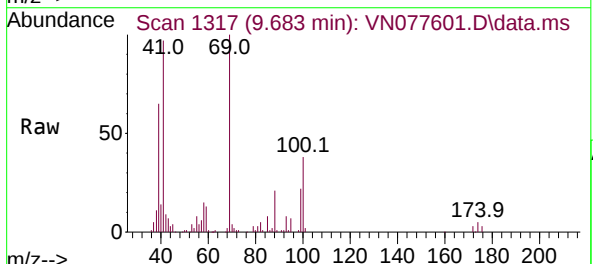
Tgt Ion: 88 Resp: 60300  
Ion Ratio Lower Upper  
88 100  
43 22.7 16.6 24.8  
58 59.4 47.3 70.9

Manual Integrations  
APPROVED

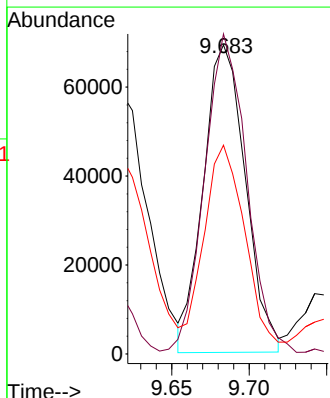
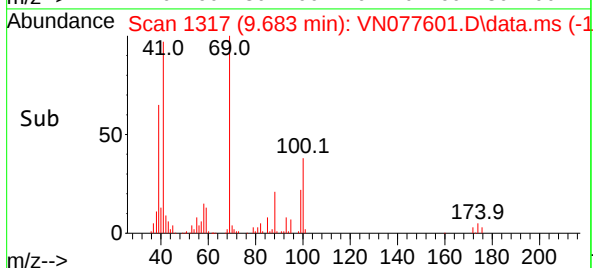
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023

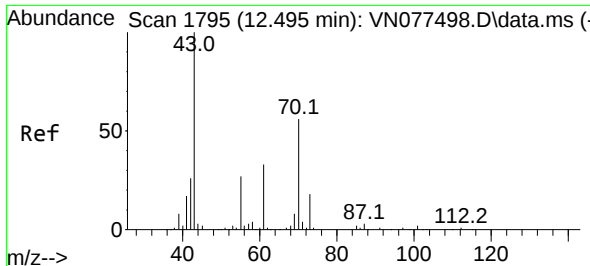


#46  
Methyl methacrylate  
Concen: 15.844 ug/l  
RT: 9.683 min Scan# 1317  
Delta R.T. 0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42



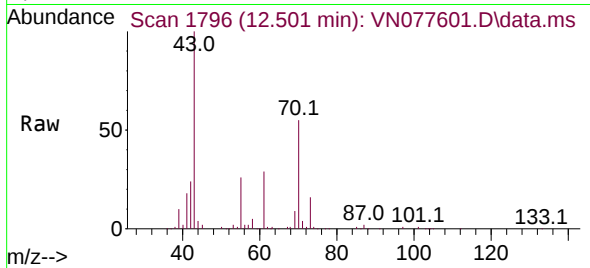
Tgt Ion: 41 Resp: 130614  
Ion Ratio Lower Upper  
41 100  
69 104.0 59.2 177.6  
39 67.1 33.4 100.1





#47  
n-amy1 Acetate  
Concen: 15.129 ug/l  
RT: 12.501 min Scan# 1795  
Delta R.T. 0.006 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

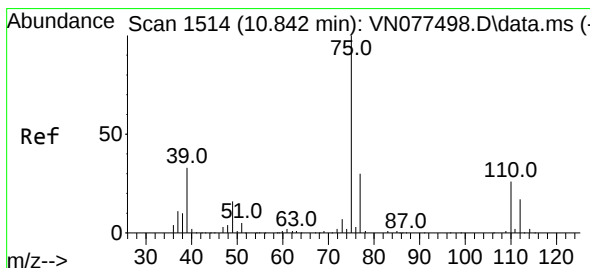
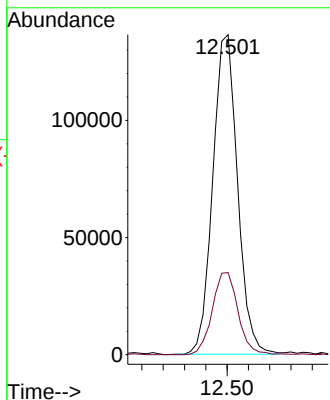
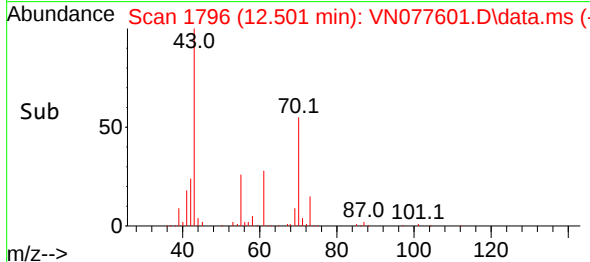
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020



Tgt Ion: 43 Resp: 21966  
Ion Ratio Lower Upper  
43 100  
55 26.7 22.2 33.2

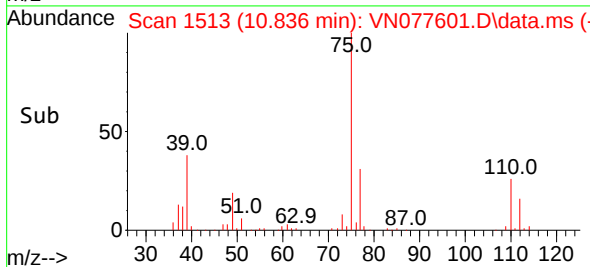
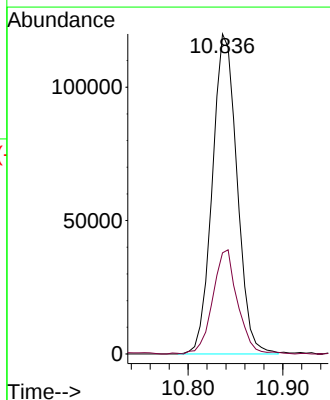
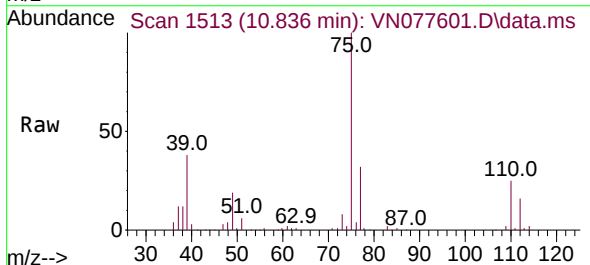
Manual Integrations  
APPROVED

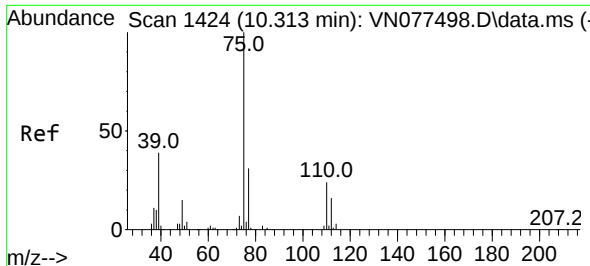
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023



#48  
t-1,3-Dichloropropene  
Concen: 13.373 ug/l  
RT: 10.836 min Scan# 1513  
Delta R.T. -0.006 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

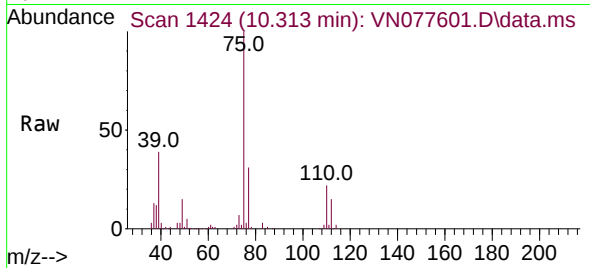
Tgt Ion: 75 Resp: 217654  
Ion Ratio Lower Upper  
75 100  
77 31.4 23.9 35.9





#49  
 cis-1,3-Dichloropropene  
 Concen: 13.693 ug/l  
 RT: 10.313 min Scan# 1424  
 Delta R.T. -0.000 min  
 Lab File: VN077601.D  
 Acq: 05 May 2023 19:42

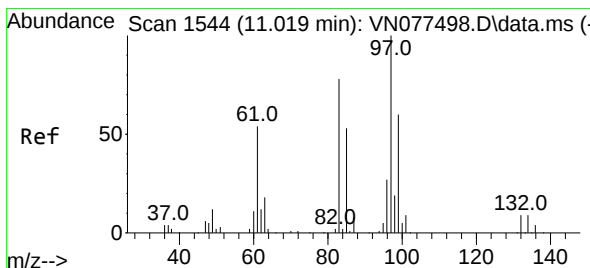
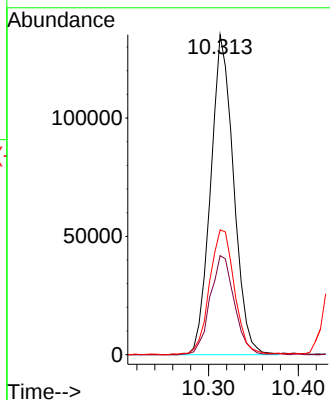
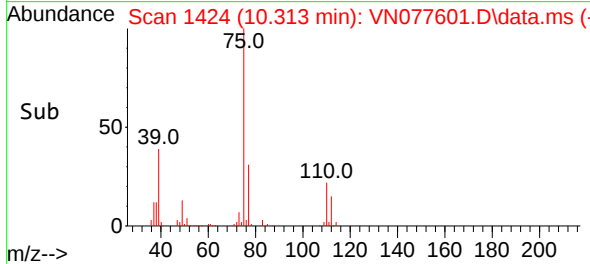
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020



Tgt Ion: 75 Resp: 240569  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 25.8 38.8  
 39 38.8 28.5 42.7

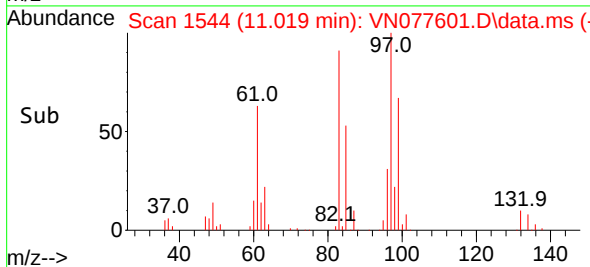
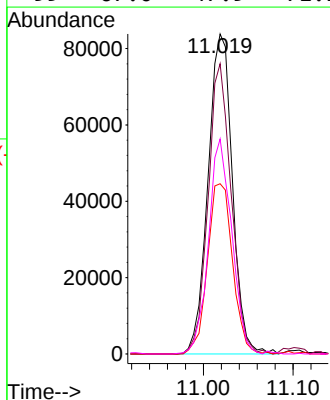
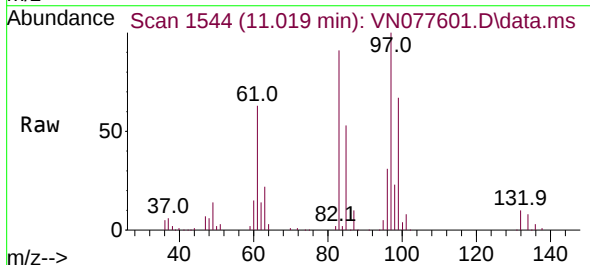
Manual Integrations  
 APPROVED

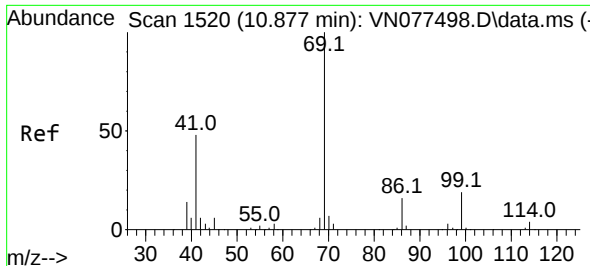
Reviewed By :John Carlone 05/08/2023  
 Supervised By :Mahesh Dadoda 05/08/2023



#50  
 1,1,2-Trichloroethane  
 Concen: 13.778 ug/l  
 RT: 11.019 min Scan# 1544  
 Delta R.T. -0.000 min  
 Lab File: VN077601.D  
 Acq: 05 May 2023 19:42

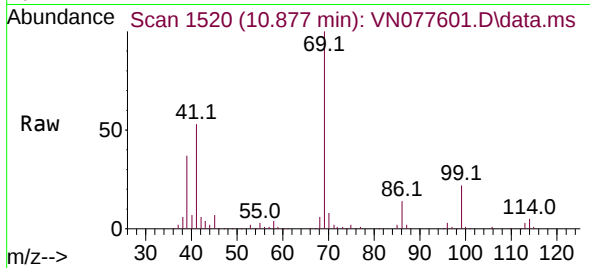
Tgt Ion: 97 Resp: 158301  
 Ion Ratio Lower Upper  
 97 100  
 83 90.7 67.0 100.6  
 85 53.2 41.6 62.4  
 99 67.0 47.9 71.9





#51  
Ethyl methacrylate  
Concen: 14.381 ug/l  
RT: 10.877 min Scan# 1520  
Delta R.T. 0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

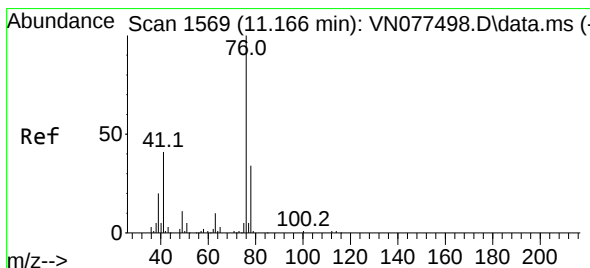
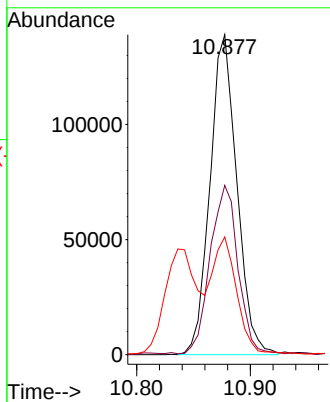
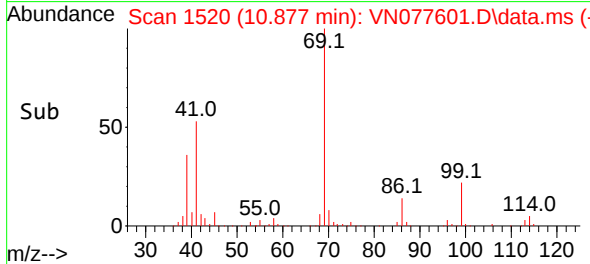
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020



Tgt Ion: 69 Resp: 22876  
Ion Ratio Lower Upper  
69 100  
41 52.6 22.5 67.5  
39 36.1 16.2 48.5

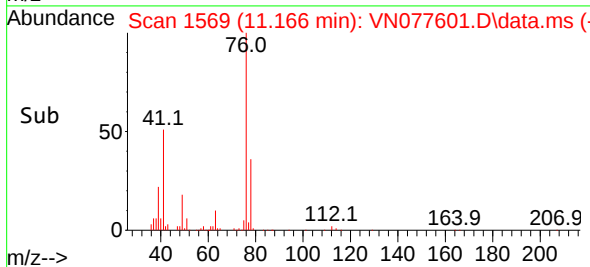
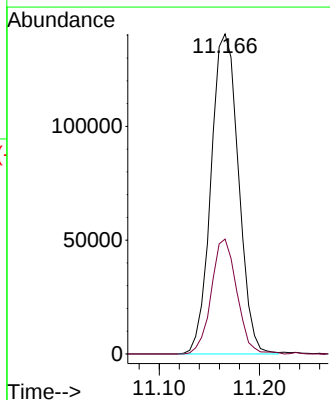
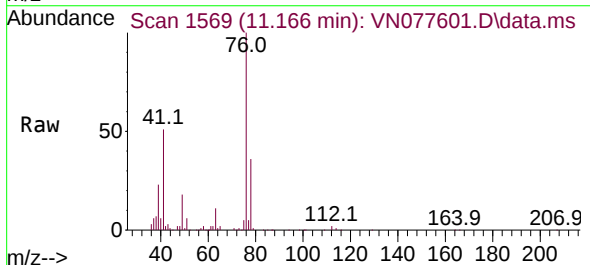
Manual Integrations  
APPROVED

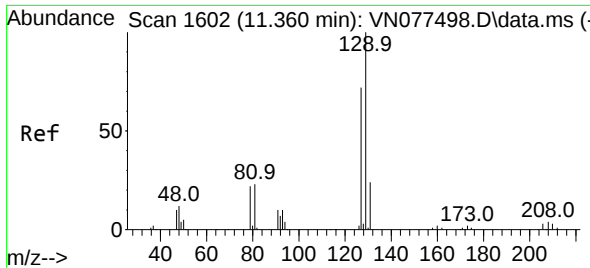
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023



#52  
1,3-Dichloropropane  
Concen: 14.367 ug/l  
RT: 11.166 min Scan# 1569  
Delta R.T. -0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

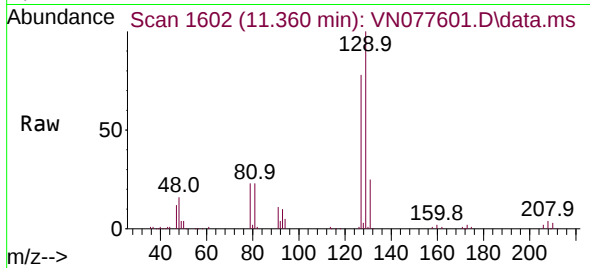
Tgt Ion: 76 Resp: 267868  
Ion Ratio Lower Upper  
76 100  
78 33.2 0.0 64.4





#53  
Dibromochloromethane  
Concen: 13.596 ug/l  
RT: 11.360 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

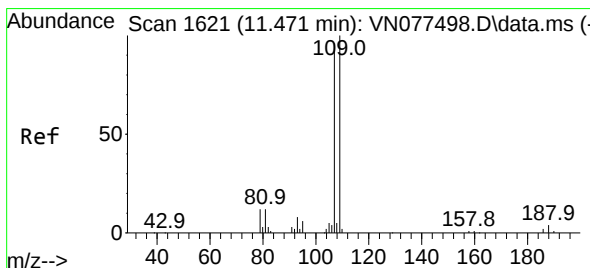
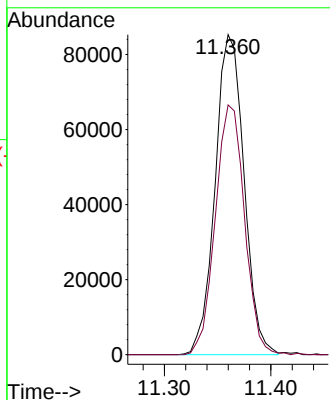
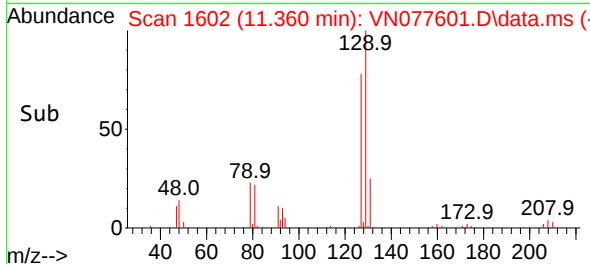
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020



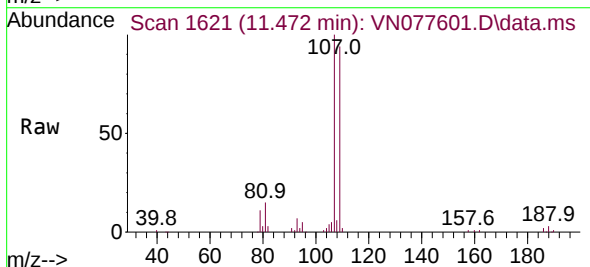
Tgt Ion:129 Resp: 160825  
Ion Ratio Lower Upper  
129 100  
127 78.7 38.2 114.6

Manual Integrations  
APPROVED

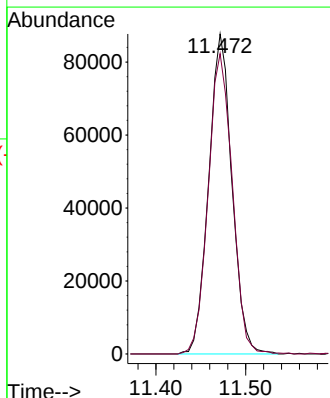
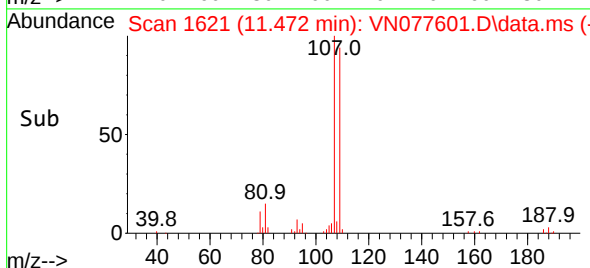
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023

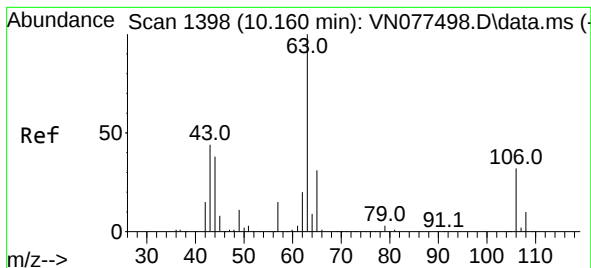


#54  
1,2-Dibromoethane  
Concen: 13.449 ug/l  
RT: 11.472 min Scan# 1621  
Delta R.T. 0.001 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42



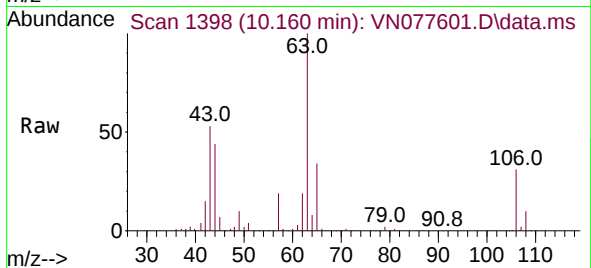
Tgt Ion:107 Resp: 158138  
Ion Ratio Lower Upper  
107 100  
109 96.8 73.8 110.6





#55  
2-Chloroethyl vinyl ether  
Concen: 70.930 ug/l  
RT: 10.160 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

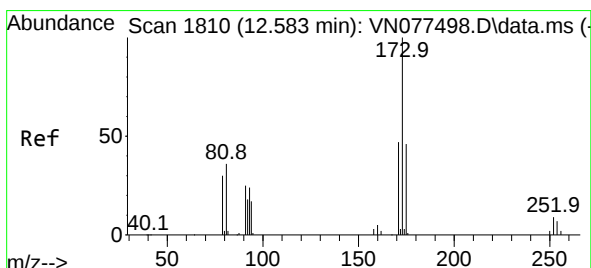
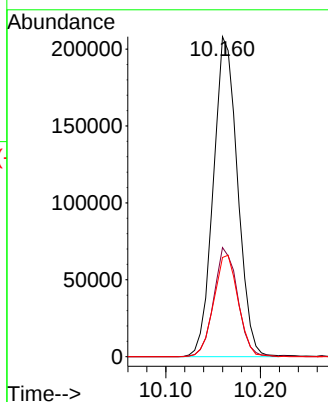
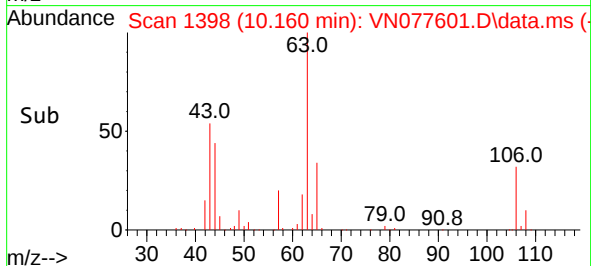
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020



Tgt Ion: 63 Resp: 370240  
Ion Ratio Lower Upper  
63 100  
65 33.5 25.8 38.6  
106 32.0 26.2 39.2

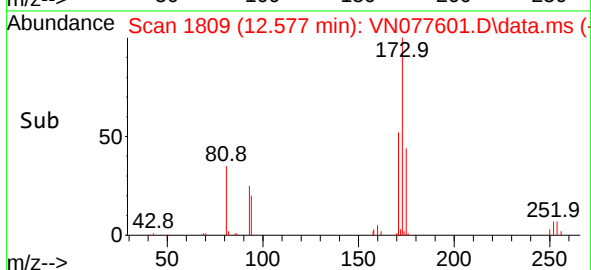
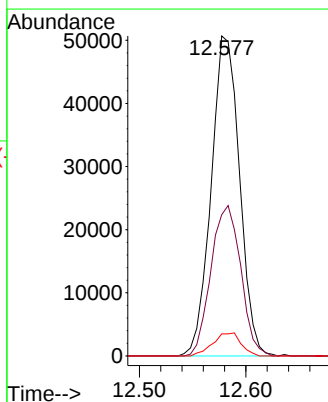
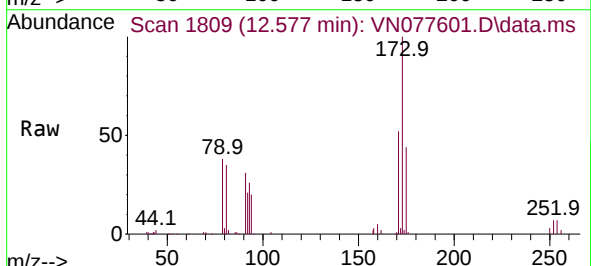
Manual Integrations  
APPROVED

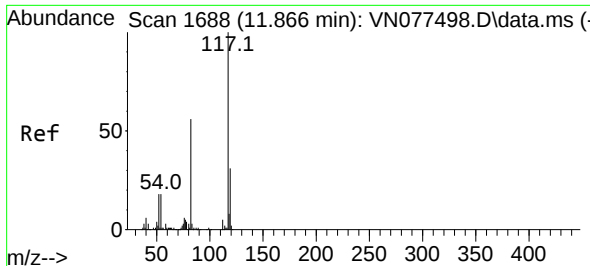
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023



#56  
Bromoform  
Concen: 12.693 ug/l  
RT: 12.577 min Scan# 1809  
Delta R.T. -0.006 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

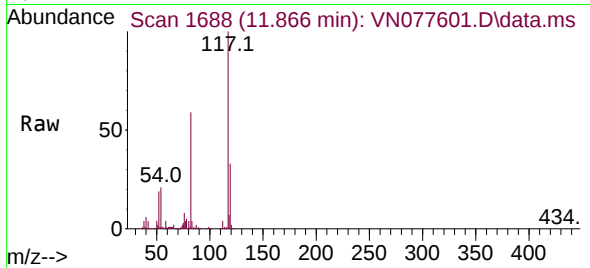
Tgt Ion:173 Resp: 93653  
Ion Ratio Lower Upper  
173 100  
175 49.3 40.3 60.5  
254 7.2 5.0 7.6





#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.866 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

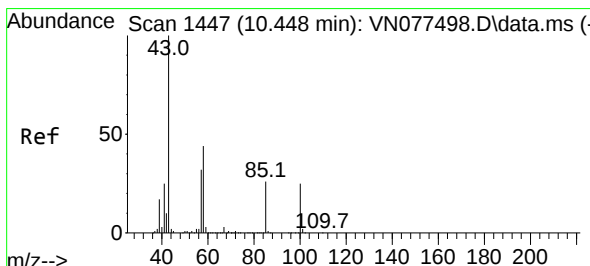
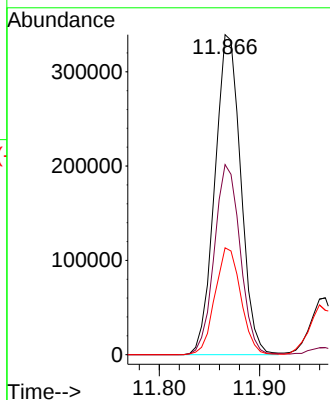
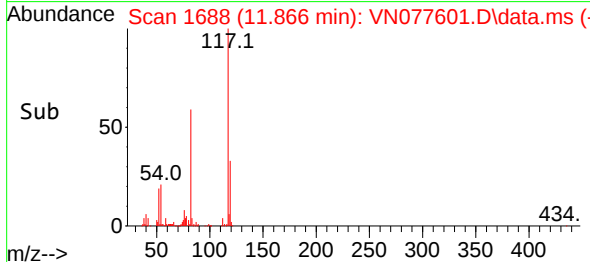
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020



Tgt Ion: 117 Resp: 60994  
Ion Ratio Lower Upper  
117 100  
82 59.3 44.2 66.2  
119 33.2 25.4 38.2

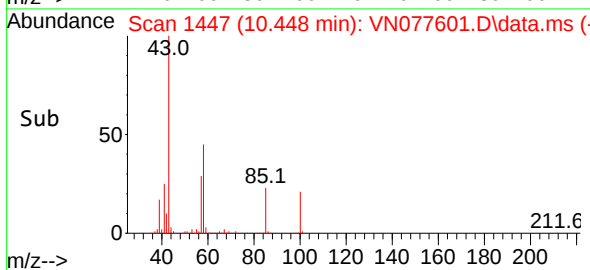
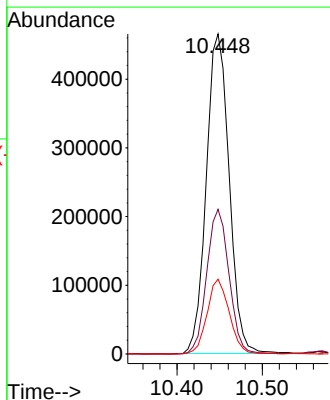
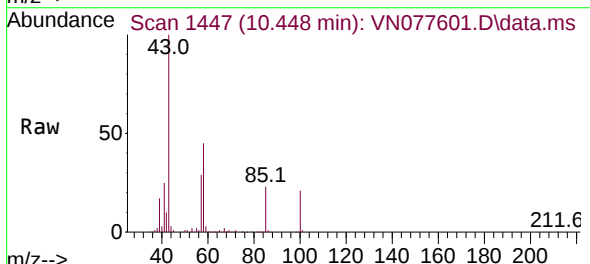
Manual Integrations  
APPROVED

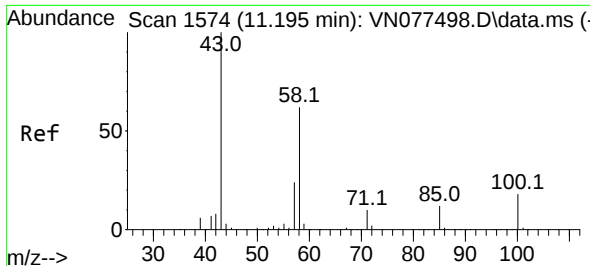
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023



#58  
4-Methyl-2-Pentanone  
Concen: 98.759 ug/l  
RT: 10.448 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

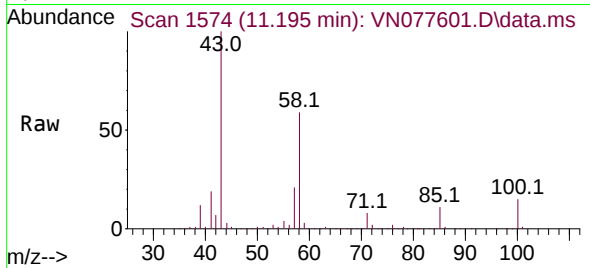
Tgt Ion: 43 Resp: 867505  
Ion Ratio Lower Upper  
43 100  
58 44.3 37.2 55.8  
85 22.7 21.1 31.7





#59  
2-Hexanone  
Concen: 96.454 ug/l  
RT: 11.195 min Scan# 1574  
Delta R.T. 0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

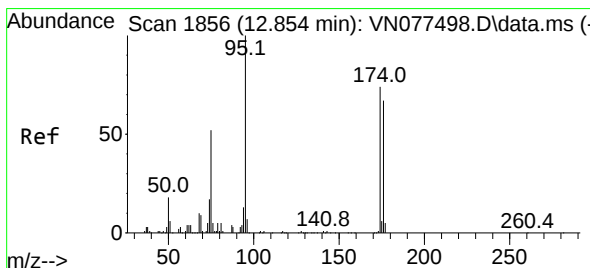
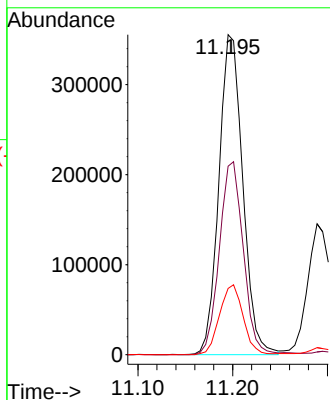
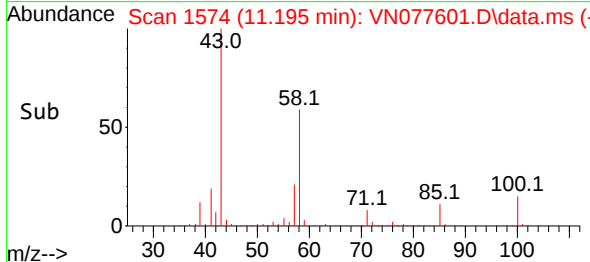
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020



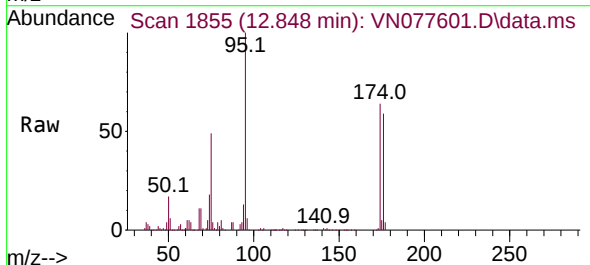
Tgt Ion: 43 Resp: 624217  
Ion Ratio Lower Upper  
43 100  
58 60.2 51.8 77.8  
57 21.6 18.2 27.4

Manual Integrations  
APPROVED

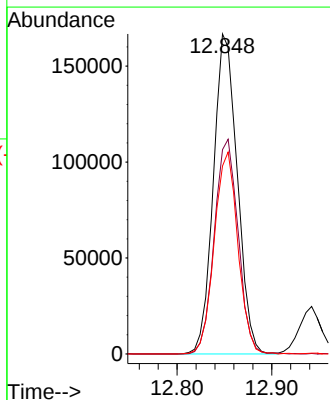
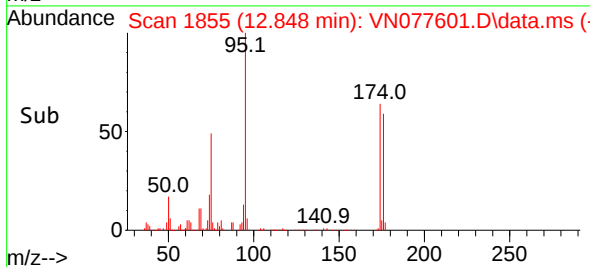
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023

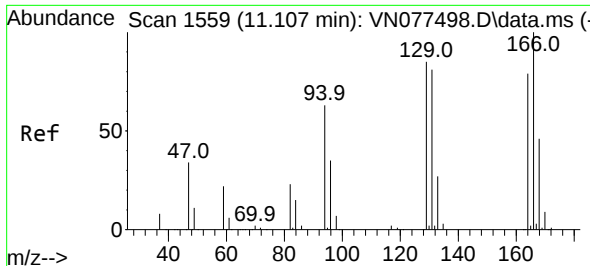


#60  
4-Bromofluorobenzene  
Concen: 27.403 ug/l  
RT: 12.848 min Scan# 1855  
Delta R.T. -0.006 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42



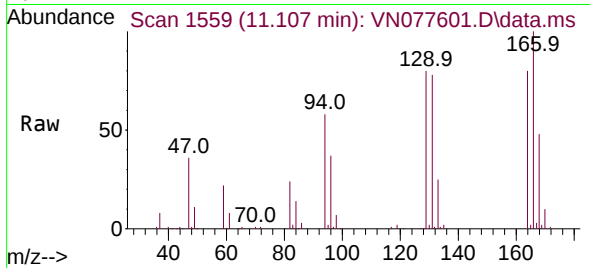
Tgt Ion: 95 Resp: 292822  
Ion Ratio Lower Upper  
95 100  
174 66.7 55.9 83.9  
176 62.5 53.9 80.9





#61  
Tetrachloroethene  
Concen: 16.659 ug/l  
RT: 11.107 min Scan# 1559  
Delta R.T. -0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

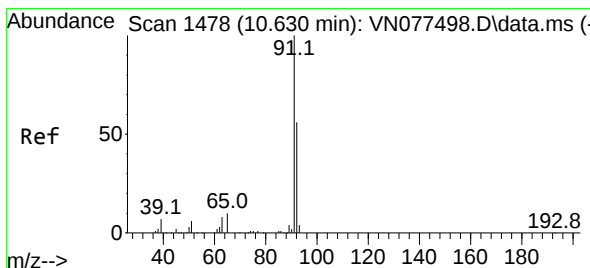
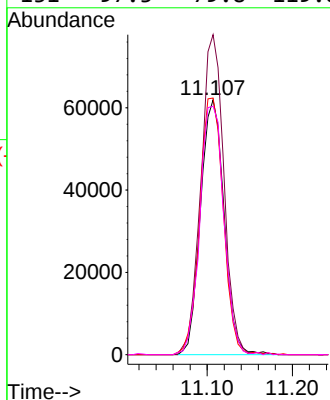
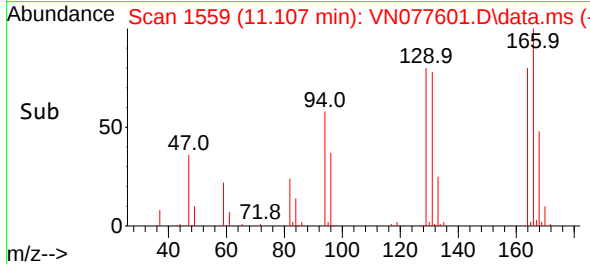
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020



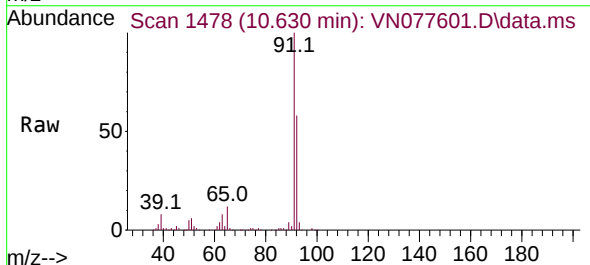
Tgt Ion:164 Resp: 11868  
Ion Ratio Lower Upper  
164 100  
166 125.6 94.5 141.7  
129 100.7 80.2 120.2  
131 97.3 79.8 119.8

Manual Integrations  
APPROVED

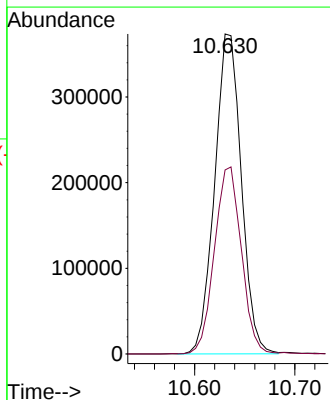
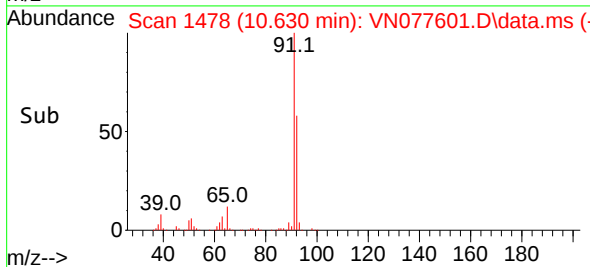
Reviewed By :John Carbone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023

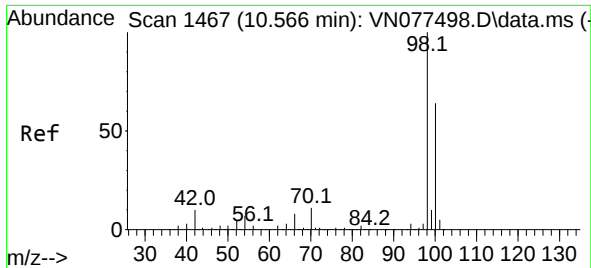


#62  
Toluene  
Concen: 16.847 ug/l  
RT: 10.630 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42



Tgt Ion: 91 Resp: 691066  
Ion Ratio Lower Upper  
91 100  
92 58.8 46.1 69.1





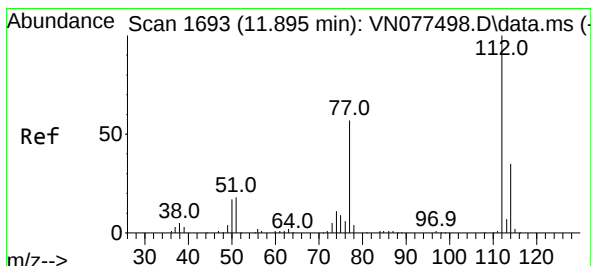
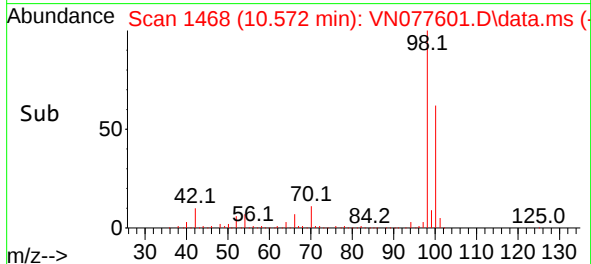
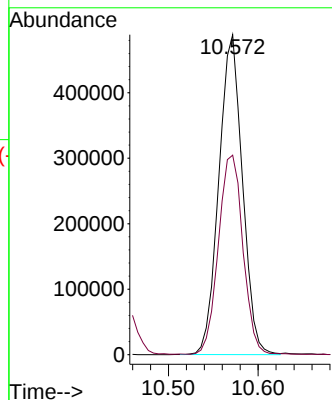
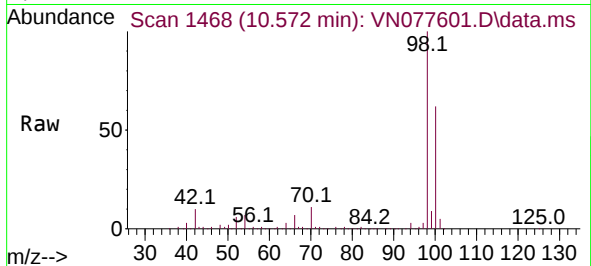
#63  
Toluene-d8  
Concen: 41.453 ug/l  
RT: 10.572 min Scan# 1468  
Delta R.T. 0.006 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

Tgt Ion: 98 Resp: 890935  
Ion Ratio Lower Upper  
98 100  
100 65.1 51.0 76.4

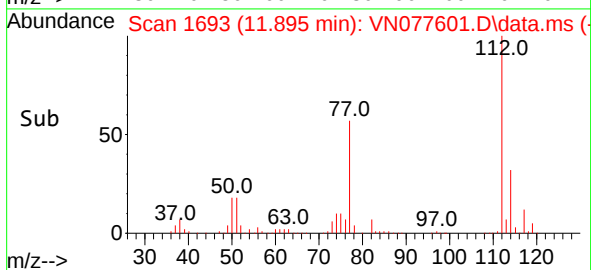
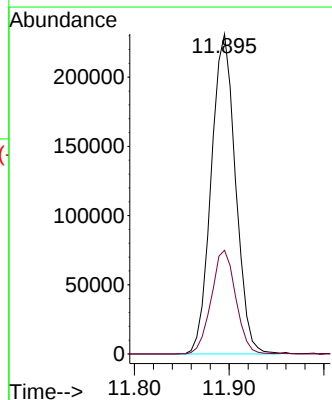
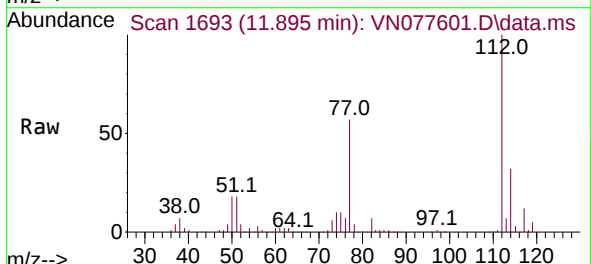
Manual Integrations  
APPROVED

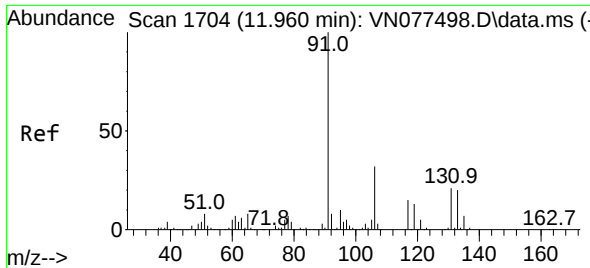
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023



#64  
Chlorobenzene  
Concen: 16.444 ug/l  
RT: 11.895 min Scan# 1693  
Delta R.T. 0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

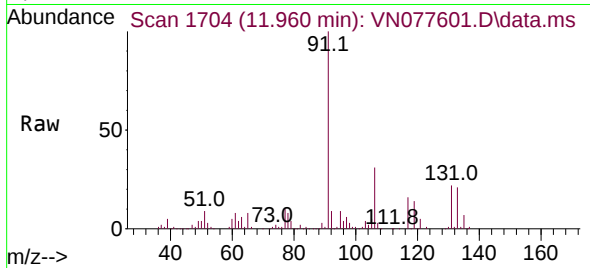
Tgt Ion:112 Resp: 412095  
Ion Ratio Lower Upper  
112 100  
114 32.3 23.9 35.9





#65  
1,1,1,2-Tetrachloroethane  
Concen: 17.424 ug/l  
RT: 11.960 min Scan# 1704  
Delta R.T. -0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

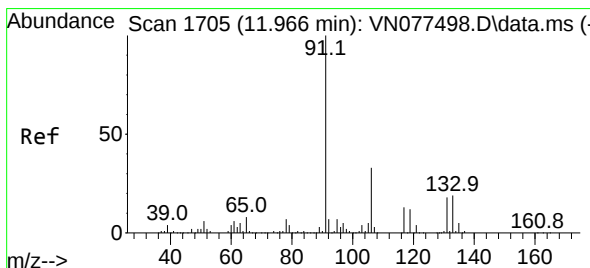
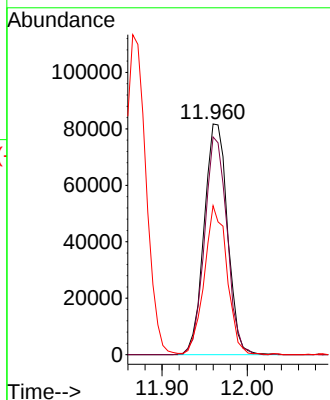
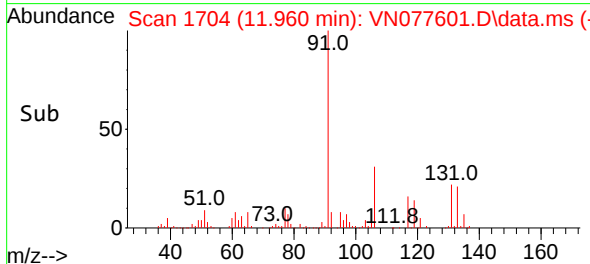
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020



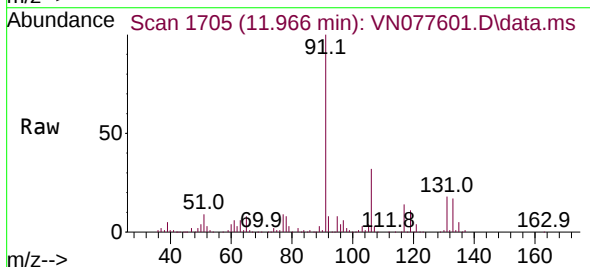
Tgt Ion:131 Resp: 156040  
Ion Ratio Lower Upper  
131 100  
133 90.6 0.0 191.4  
119 62.5 0.0 137.2

Manual Integrations  
APPROVED

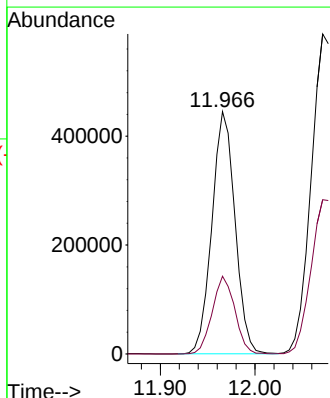
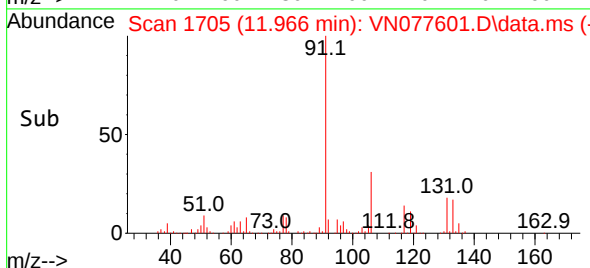
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023

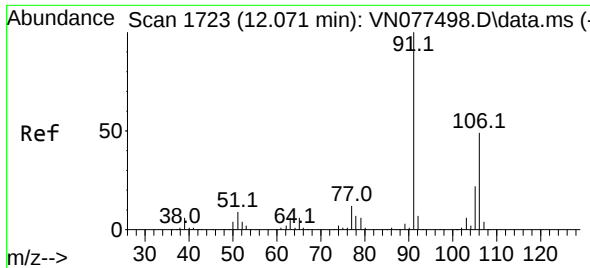


#66  
Ethyl Benzene  
Concen: 16.834 ug/l  
RT: 11.966 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42



Tgt Ion: 91 Resp: 754021  
Ion Ratio Lower Upper  
91 100  
106 32.1 24.9 37.3





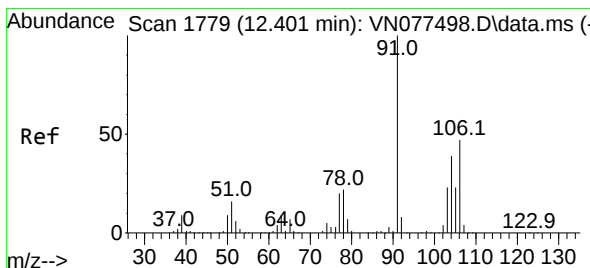
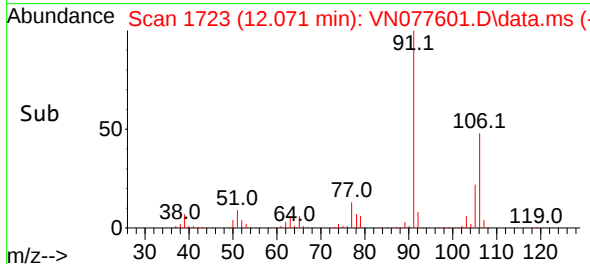
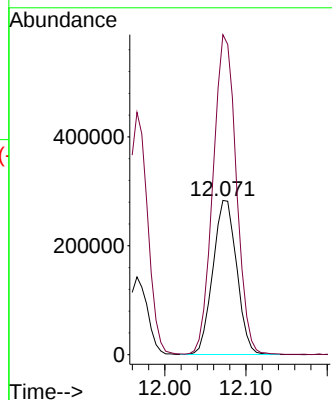
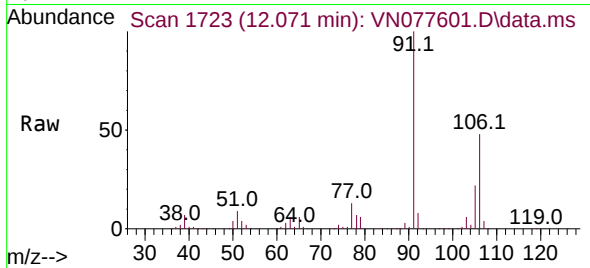
#67  
m/p-Xylenes  
Concen: 33.128 ug/l  
RT: 12.071 min Scan# 1723  
Delta R.T. 0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

Tgt Ion:106 Resp: 57781  
Ion Ratio Lower Upper  
106 100  
91 203.3 157.9 236.9

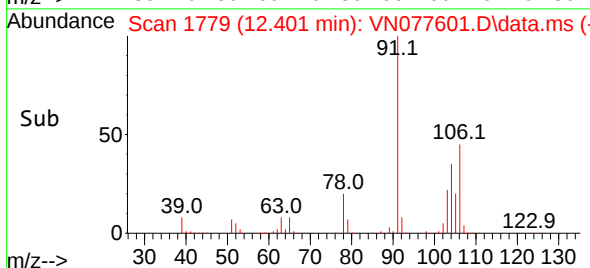
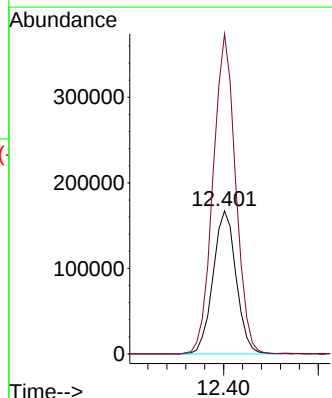
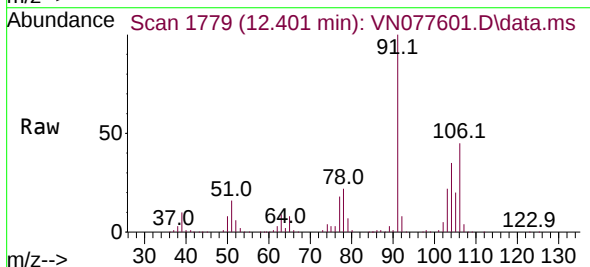
Manual Integrations  
APPROVED

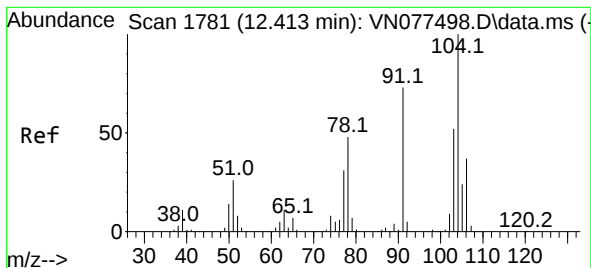
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023



#68  
o-Xylene  
Concen: 16.306 ug/l  
RT: 12.401 min Scan# 1779  
Delta R.T. -0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

Tgt Ion:106 Resp: 282505  
Ion Ratio Lower Upper  
106 100  
91 218.9 104.6 313.8





#69

Styrene

Concen: 16.739 ug/l

RT: 12.413 min Scan# 1781

Delta R.T. -0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

Instrument :

MSVOA\_N

ClientSampleId :

VSTDICCC020

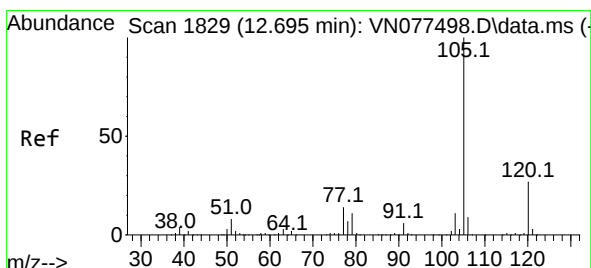
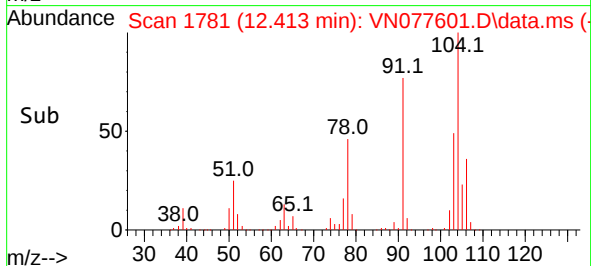
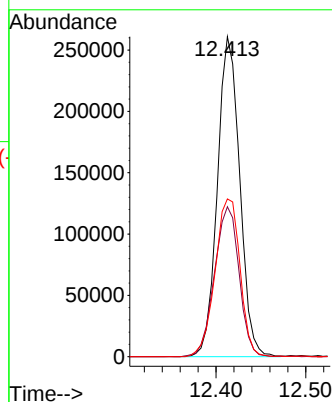
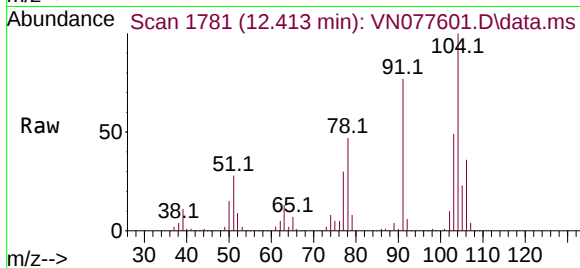
Tgt Ion:104 Resp: 45094  
 Ion Ratio Lower Upper  
 104 100  
 78 51.6 39.3 58.9  
 103 55.0 44.6 66.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2023

Supervised By :Mahesh Dadoda 05/08/2023



#70

Isopropylbenzene

Concen: 16.817 ug/l

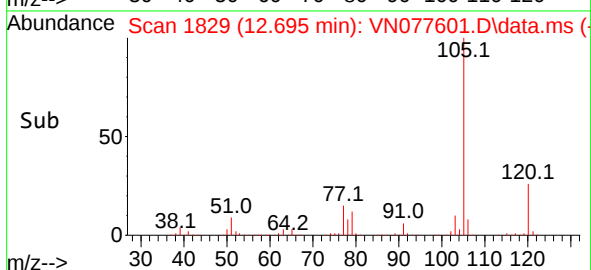
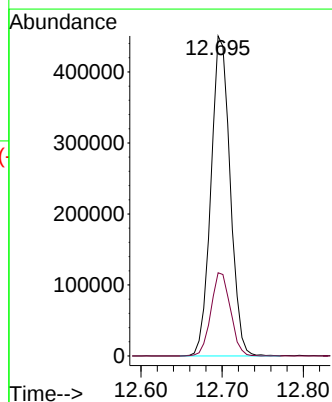
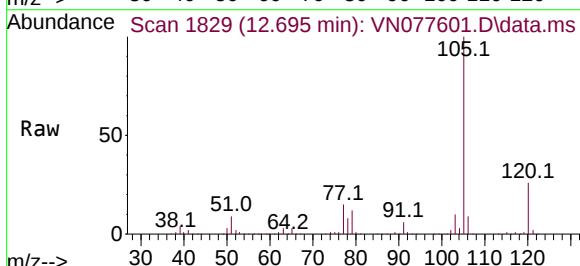
RT: 12.695 min Scan# 1829

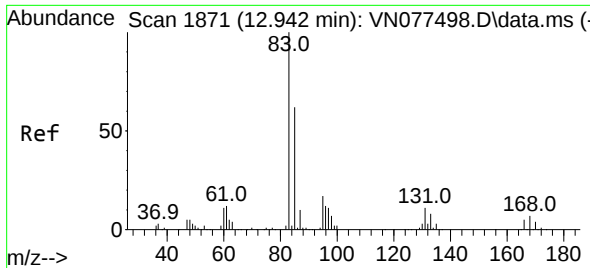
Delta R.T. -0.000 min

Lab File: VN077601.D

Acq: 05 May 2023 19:42

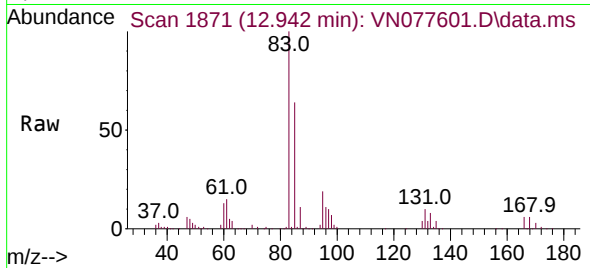
Tgt Ion:105 Resp: 739541  
 Ion Ratio Lower Upper  
 105 100  
 120 26.4 18.7 34.7





#71  
1,1,2,2-Tetrachloroethane  
Concen: 16.804 ug/l  
RT: 12.942 min Scan# 1871  
Delta R.T. 0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

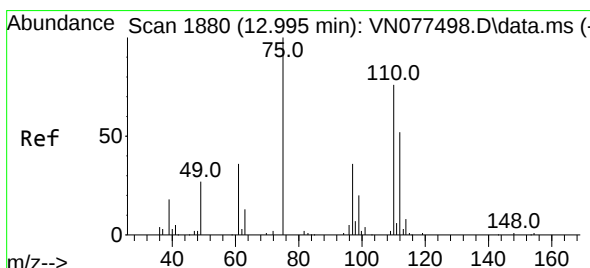
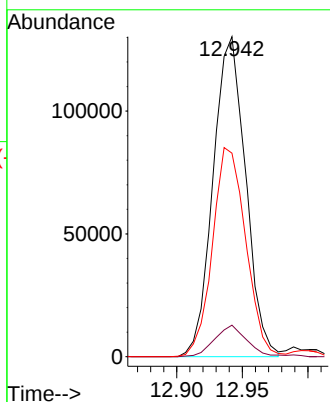
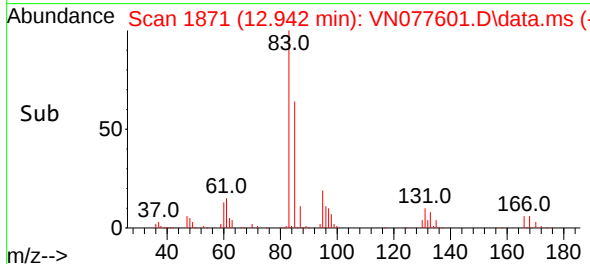
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020



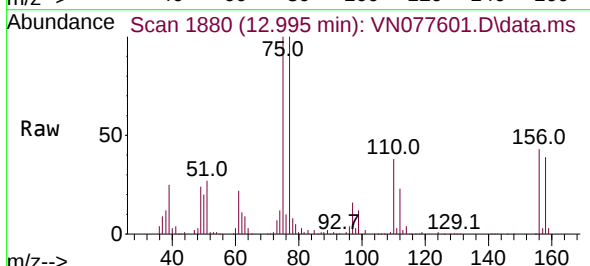
Tgt Ion: 83 Resp: 225099  
Ion Ratio Lower Upper  
83 100  
131 9.5 4.8 14.3  
85 66.8 31.6 94.8

Manual Integrations  
APPROVED

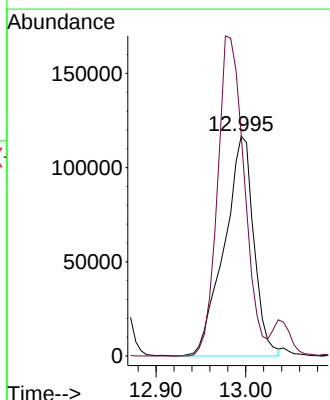
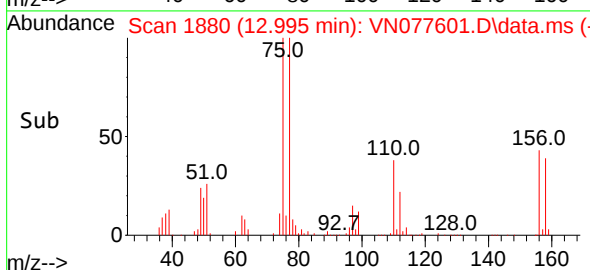
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023

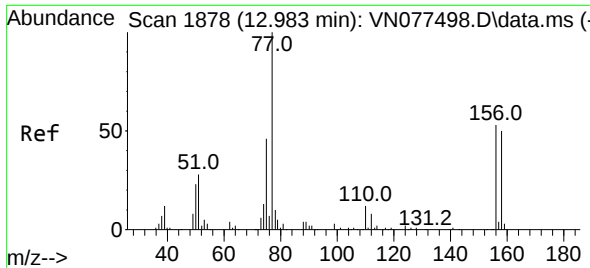


#72  
1,2,3-Trichloropropane  
Concen: 23.421 ug/l  
RT: 12.995 min Scan# 1880  
Delta R.T. -0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42



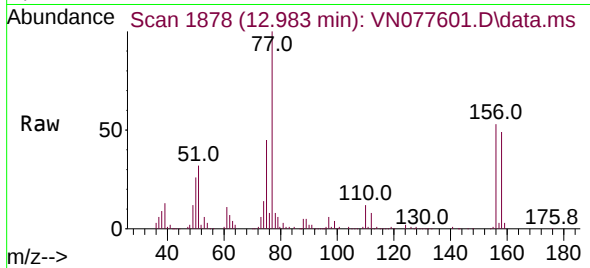
Tgt Ion: 75 Resp: 266887  
Ion Ratio Lower Upper  
75 100  
77 131.8 0.0 367.2





#73  
Bromobenzene  
Concen: 15.955 ug/l  
RT: 12.983 min Scan# 1878  
Delta R.T. 0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

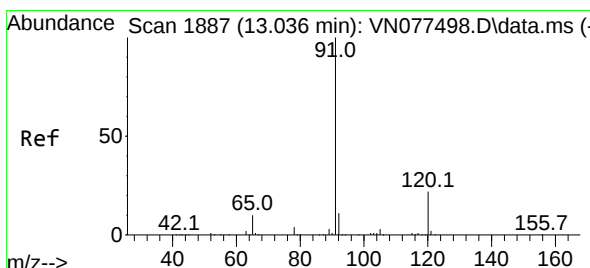
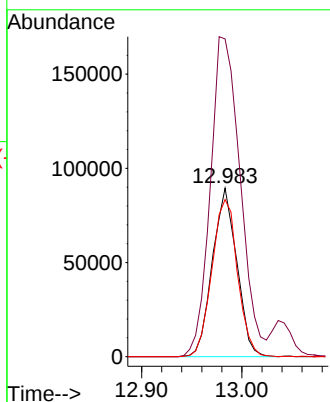
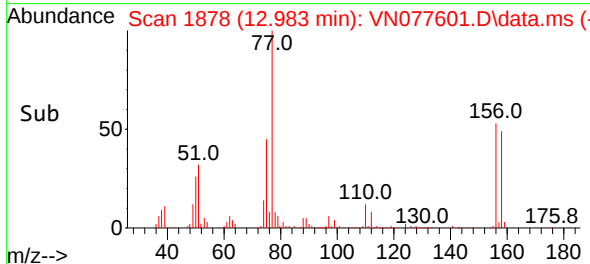
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020



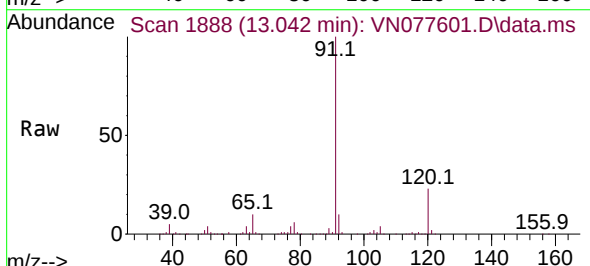
Tgt Ion:156 Resp: 150889  
Ion Ratio Lower Upper  
156 100  
77 233.2 0.0 431.6  
158 98.1 0.0 192.4

Manual Integrations  
APPROVED

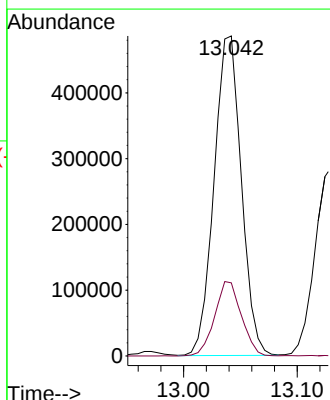
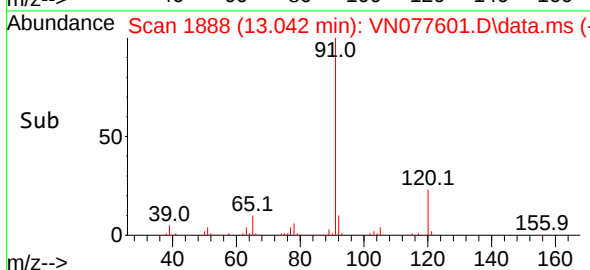
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023

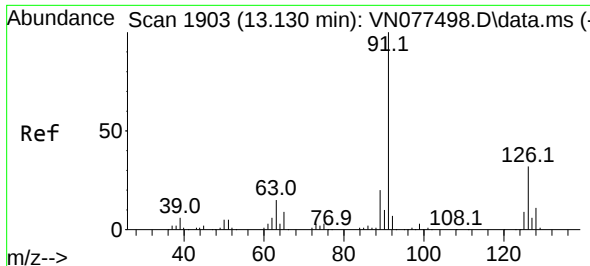


#74  
n-propylbenzene  
Concen: 16.557 ug/l  
RT: 13.042 min Scan# 1888  
Delta R.T. 0.006 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42



Tgt Ion: 91 Resp: 810235  
Ion Ratio Lower Upper  
91 100  
120 22.8 0.0 46.4





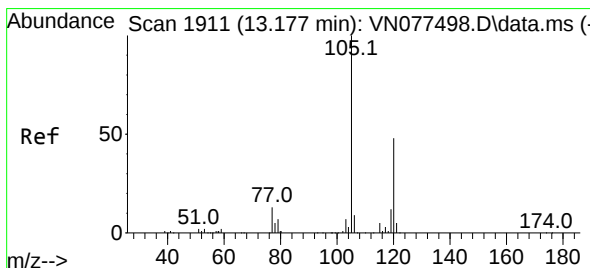
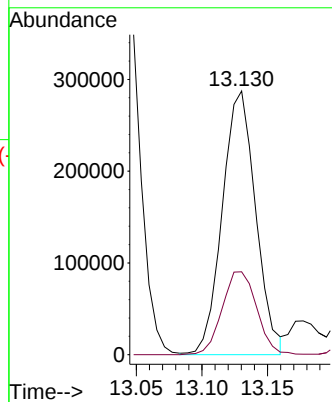
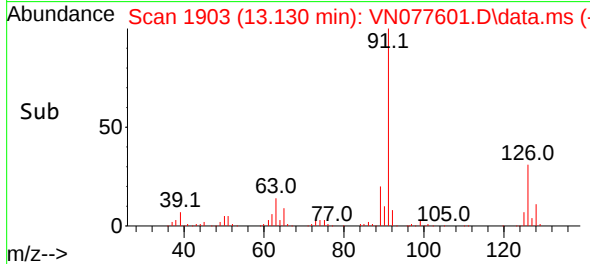
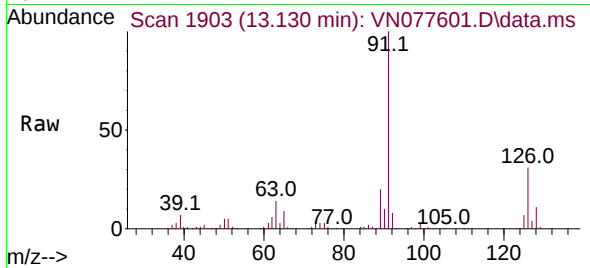
#75  
2-Chlorotoluene  
Concen: 16.874 ug/l  
RT: 13.130 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

Tgt Ion: 91 Resp: 509330  
Ion Ratio Lower Upper  
91 100  
126 32.5 0.0 65.2

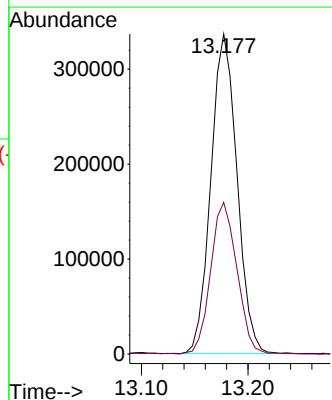
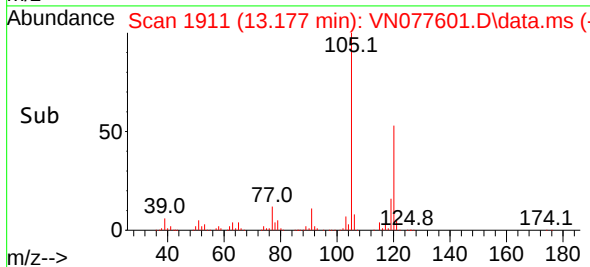
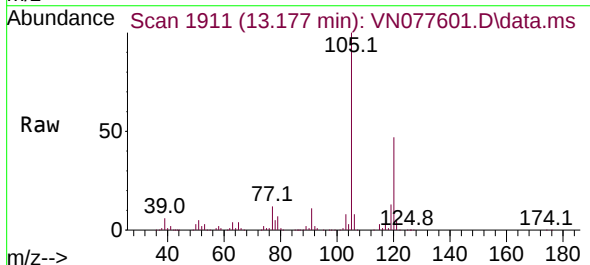
Manual Integrations  
APPROVED

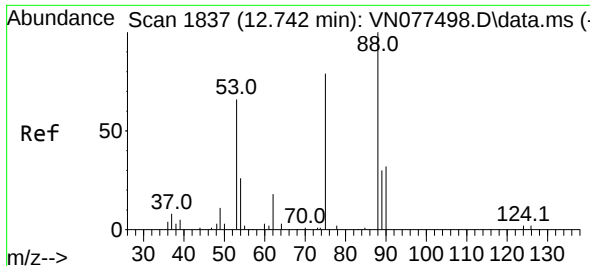
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023



#76  
1,3,5-Trimethylbenzene  
Concen: 16.927 ug/l  
RT: 13.177 min Scan# 1911  
Delta R.T. 0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

Tgt Ion:105 Resp: 573791  
Ion Ratio Lower Upper  
105 100  
120 47.6 0.0 93.8





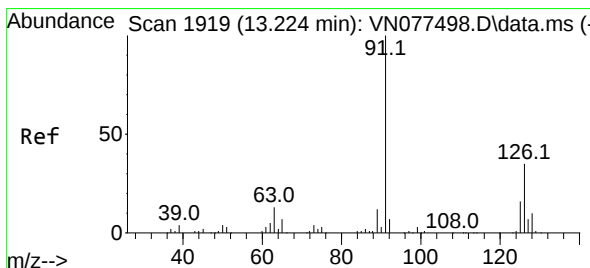
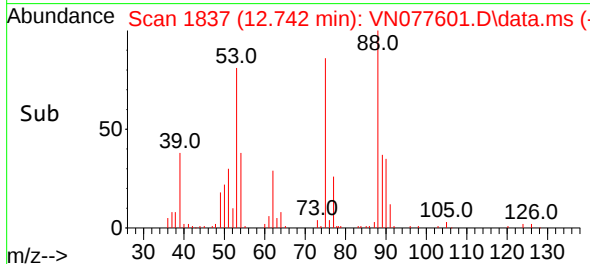
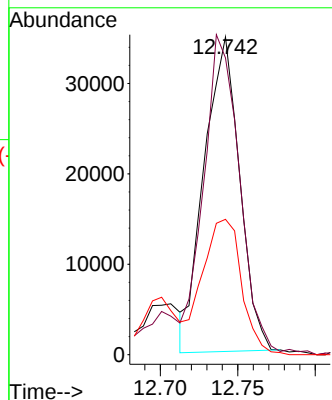
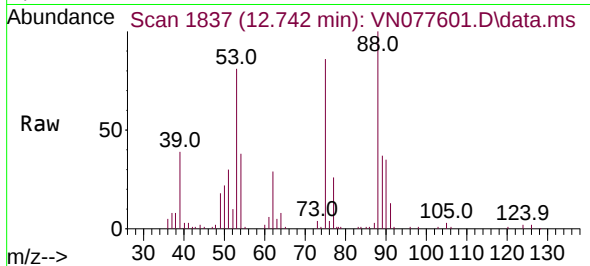
#77  
t-1,4-Dichloro-2-butene  
Concen: 14.665 ug/l  
RT: 12.742 min Scan# 1837  
Delta R.T. 0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

Tgt Ion: 75 Resp: 5519  
Ion Ratio Lower Upper  
75 100  
53 93.8 38.2 114.6  
89 42.0 22.1 66.1

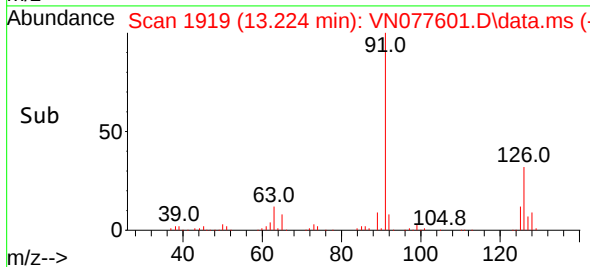
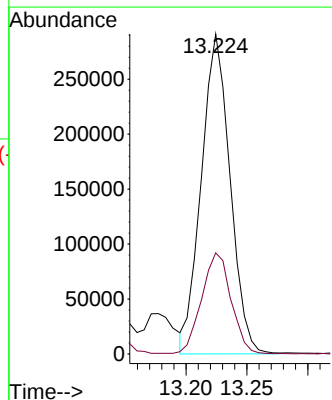
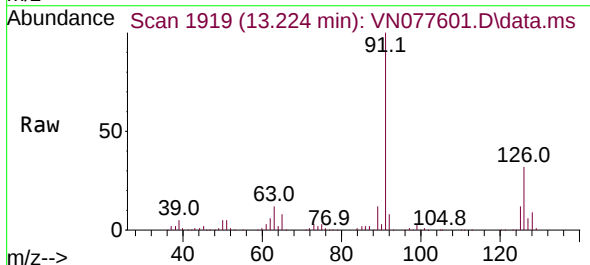
Manual Integrations  
APPROVED

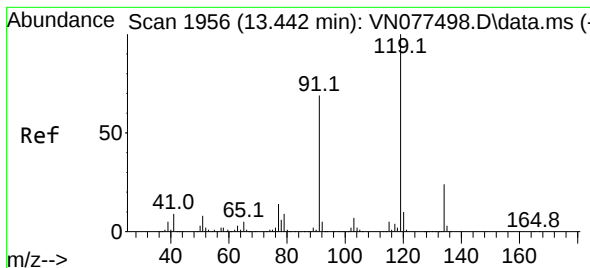
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023



#78  
4-Chlorotoluene  
Concen: 16.735 ug/l  
RT: 13.224 min Scan# 1919  
Delta R.T. 0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

Tgt Ion: 91 Resp: 478202  
Ion Ratio Lower Upper  
91 100  
126 32.3 0.0 65.6





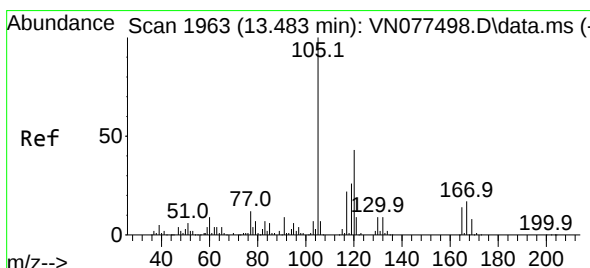
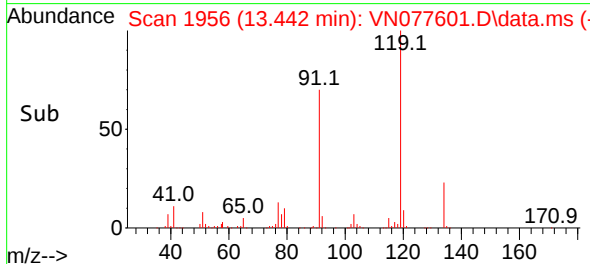
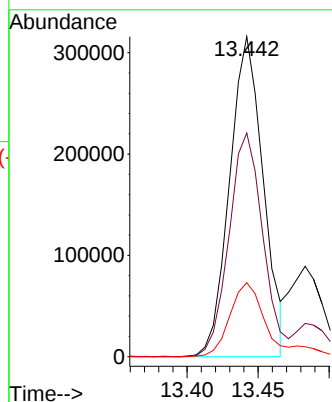
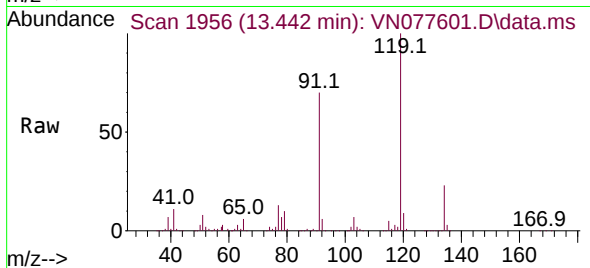
#79  
tert-butylbenzene  
Concen: 16.594 ug/l  
RT: 13.442 min Scan# 1956  
Delta R.T. -0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

Tgt Ion:119 Resp: 52035  
Ion Ratio Lower Upper  
119 100  
91 70.8 0.0 139.4  
134 23.3 0.0 49.2

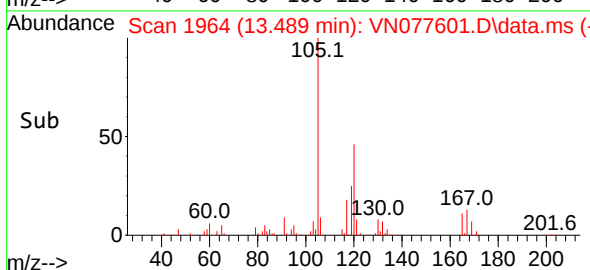
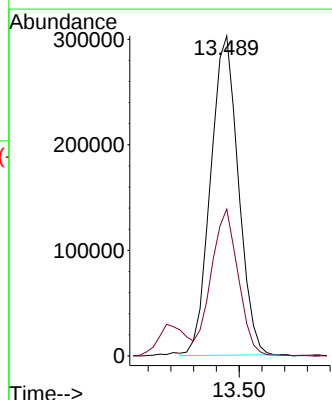
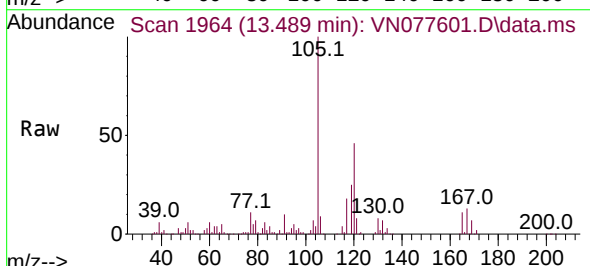
Manual Integrations  
APPROVED

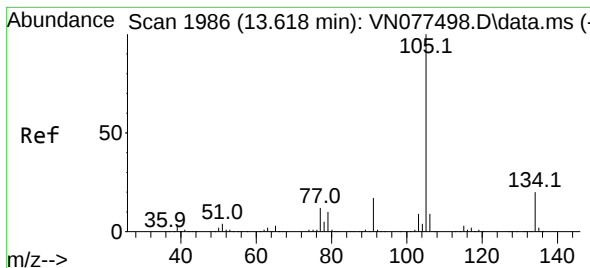
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023



#80  
1,2,4-Trimethylbenzene  
Concen: 16.459 ug/l  
RT: 13.489 min Scan# 1964  
Delta R.T. 0.006 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

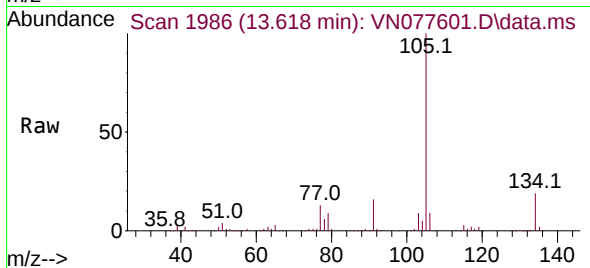
Tgt Ion:105 Resp: 513135  
Ion Ratio Lower Upper  
105 100  
120 44.0 0.0 87.8





#81  
 sec-Butylbenzene  
 Concen: 16.609 ug/l  
 RT: 13.618 min Scan# 1986  
 Delta R.T. 0.000 min  
 Lab File: VN077601.D  
 Acq: 05 May 2023 19:42

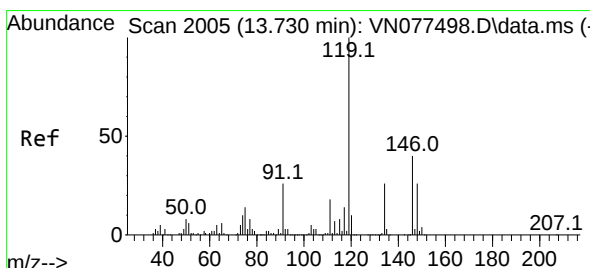
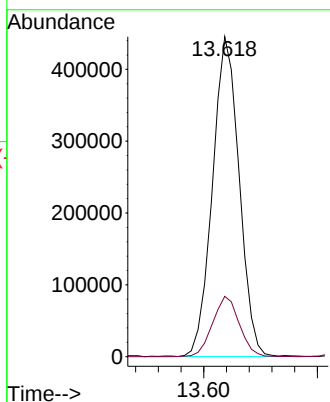
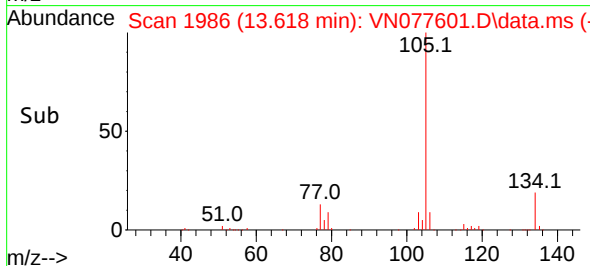
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020



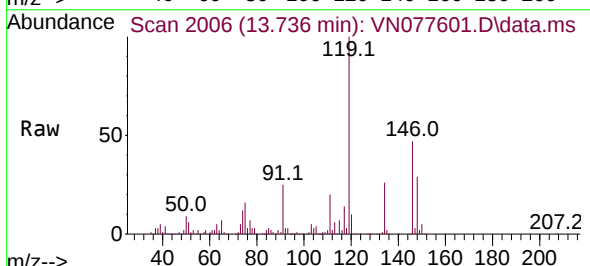
Tgt Ion:105 Resp: 726114  
 Ion Ratio Lower Upper  
 105 100  
 134 18.9 0.0 38.4

Manual Integrations  
 APPROVED

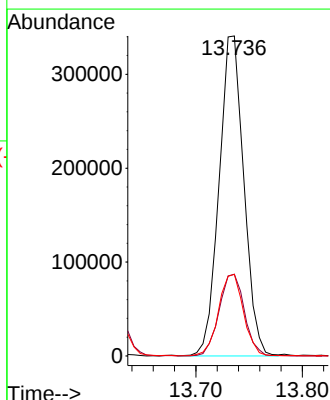
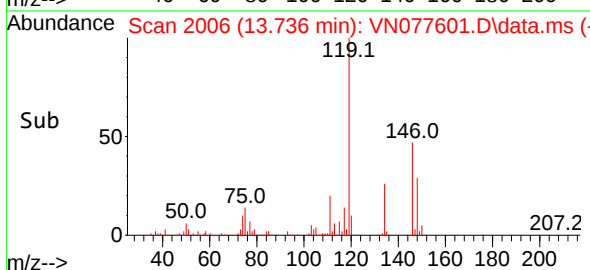
Reviewed By :John Carlone 05/08/2023  
 Supervised By :Mahesh Dadoda 05/08/2023

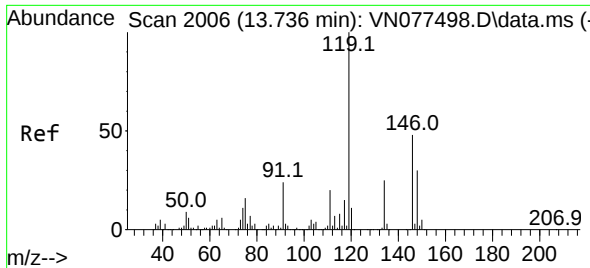


#82  
 p-Isopropyltoluene  
 Concen: 16.078 ug/l  
 RT: 13.736 min Scan# 2006  
 Delta R.T. 0.006 min  
 Lab File: VN077601.D  
 Acq: 05 May 2023 19:42



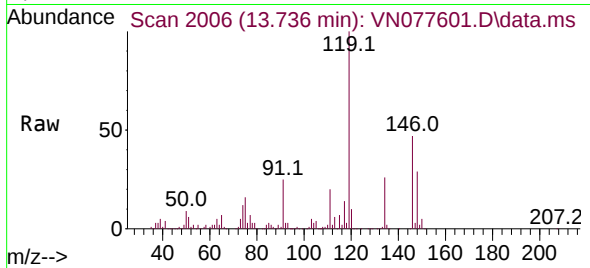
Tgt Ion:119 Resp: 550790  
 Ion Ratio Lower Upper  
 119 100  
 134 26.1 0.0 52.4  
 91 25.6 0.0 50.6





#83  
1,3-Dichlorobenzene  
Concen: 16.341 ug/l  
RT: 13.736 min Scan# 2006  
Delta R.T. 0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

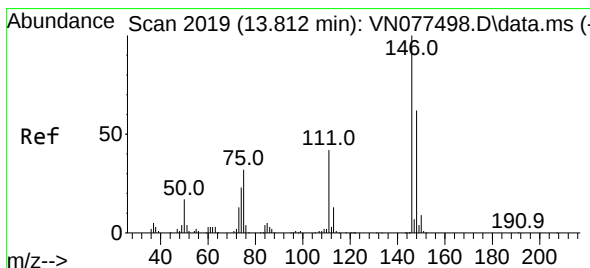
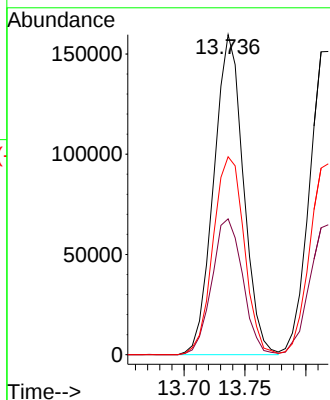
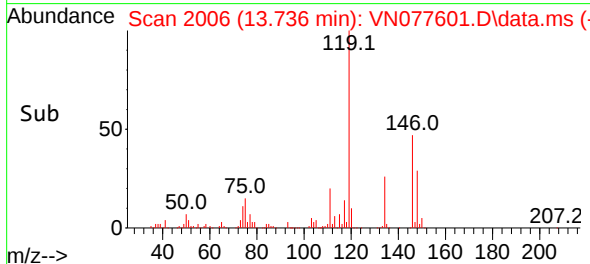
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020



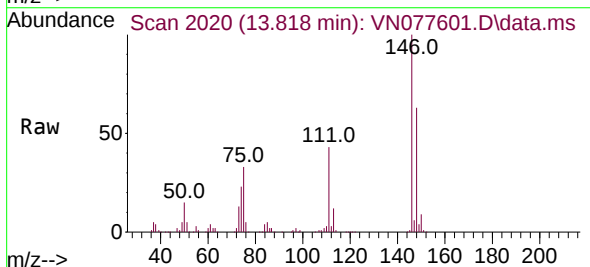
Tgt Ion:146 Resp: 270338  
Ion Ratio Lower Upper  
146 100  
111 44.1 22.1 66.5  
148 64.9 31.8 95.4

Manual Integrations  
APPROVED

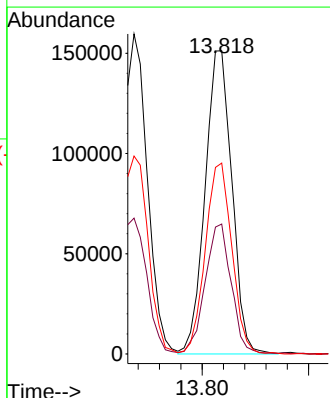
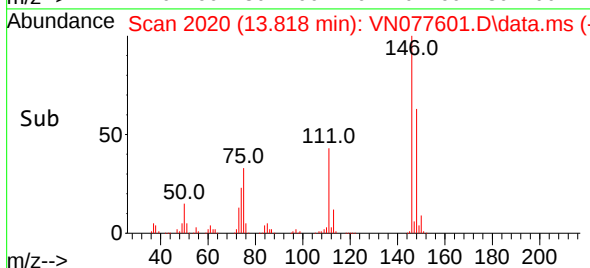
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023

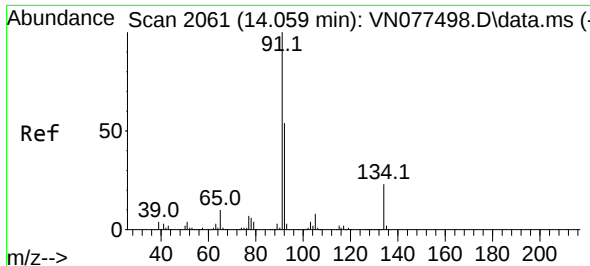


#84  
1,4-Dichlorobenzene  
Concen: 16.205 ug/l  
RT: 13.818 min Scan# 2020  
Delta R.T. 0.006 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42



Tgt Ion:146 Resp: 264910  
Ion Ratio Lower Upper  
146 100  
111 41.6 20.9 62.7  
148 62.3 31.6 94.7





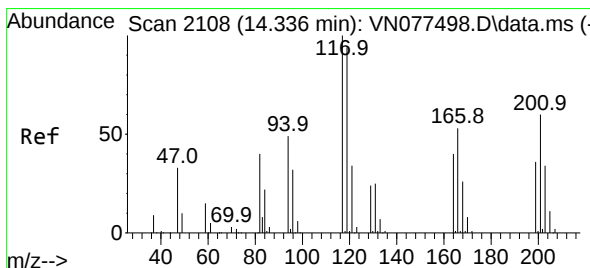
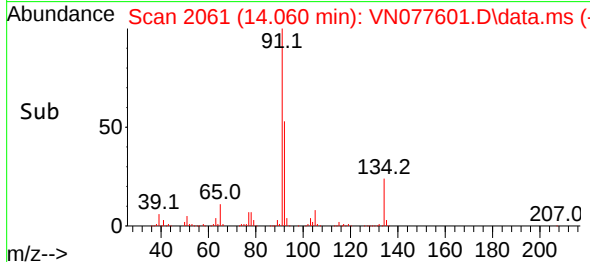
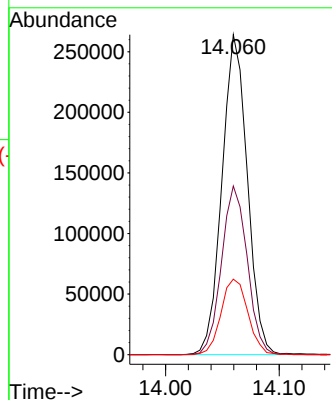
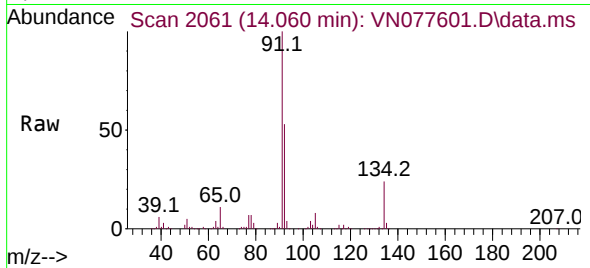
#85  
n-Butylbenzene  
Concen: 15.461 ug/l  
RT: 14.060 min Scan# 2061  
Delta R.T. 0.001 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

Tgt Ion: 91 Resp: 40930  
Ion Ratio Lower Upper  
91 100  
92 53.5 0.0 108.4  
134 25.1 0.0 50.0

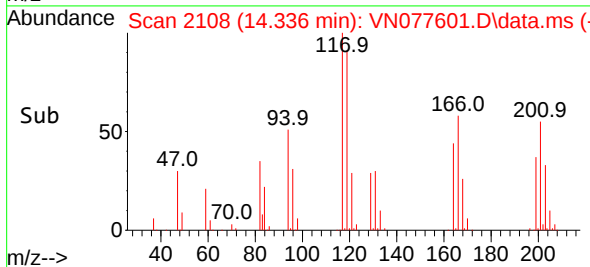
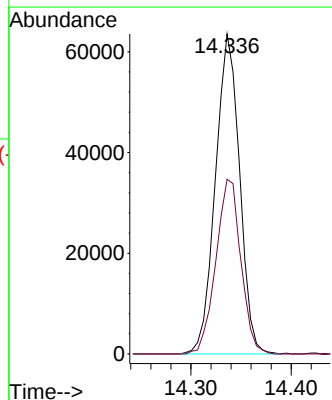
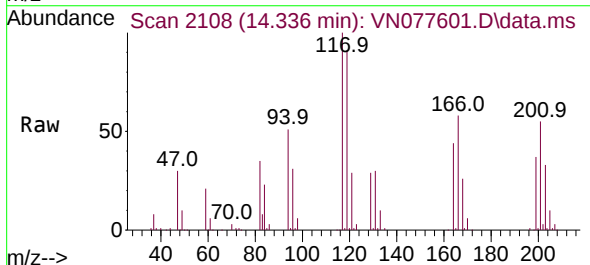
Manual Integrations  
APPROVED

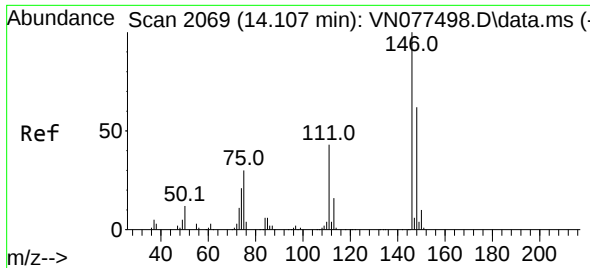
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023



#86  
Hexachloroethane  
Concen: 15.311 ug/l  
RT: 14.336 min Scan# 2108  
Delta R.T. 0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

Tgt Ion:117 Resp: 106257  
Ion Ratio Lower Upper  
117 100  
201 56.3 27.4 82.2





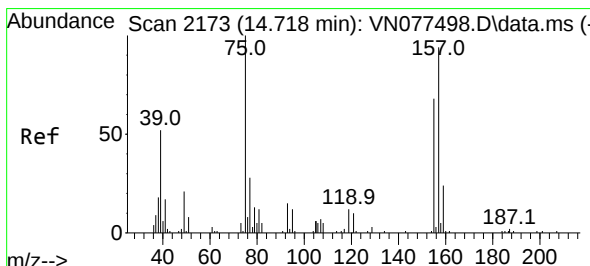
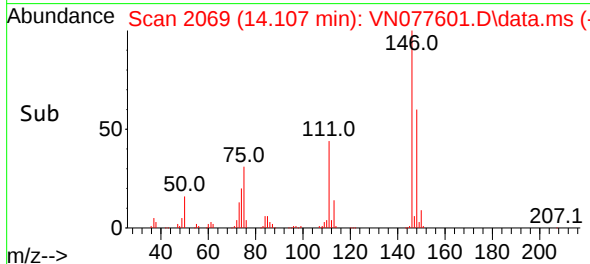
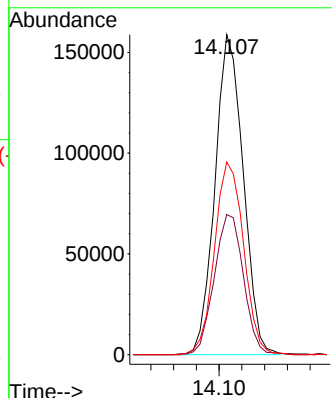
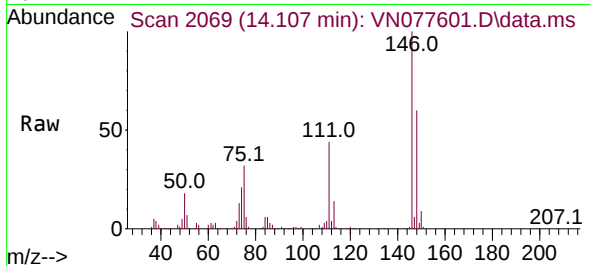
#87  
1,2-Dichlorobenzene  
Concen: 16.296 ug/l  
RT: 14.107 min Scan# 2069  
Delta R.T. -0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020

Tgt Ion:146 Resp: 274289  
Ion Ratio Lower Upper  
146 100  
111 45.3 22.3 66.9  
148 62.0 32.4 97.2

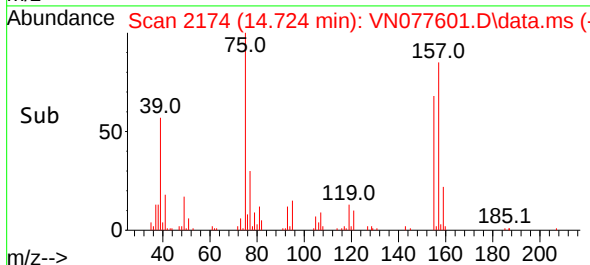
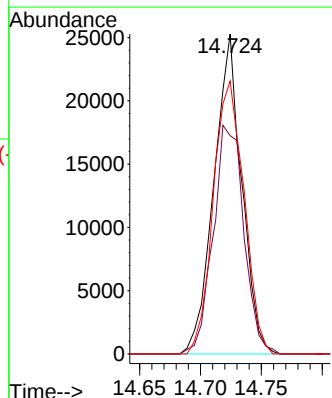
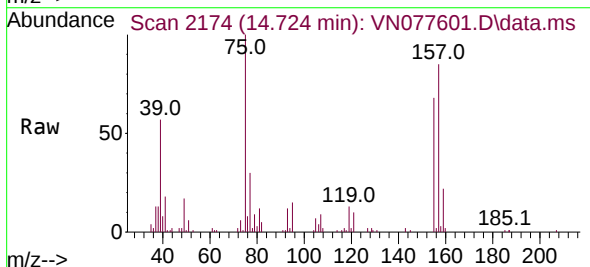
Manual Integrations  
APPROVED

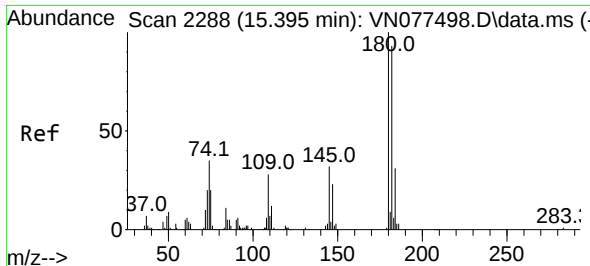
Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023



#88  
1,2-Dibromo-3-Chloropropane  
Concen: 16.162 ug/l  
RT: 14.724 min Scan# 2174  
Delta R.T. 0.006 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

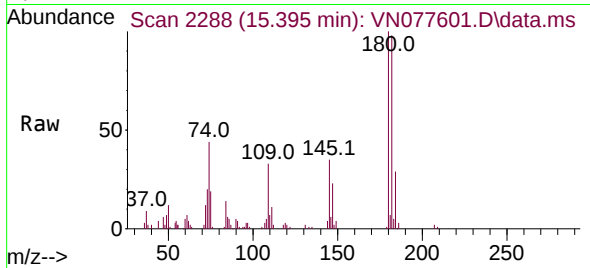
Tgt Ion: 75 Resp: 40019  
Ion Ratio Lower Upper  
75 100  
155 78.9 63.0 94.4  
157 94.4 79.5 119.3





#89  
 1,2,4-Trichlorobenzene  
 Concen: 12.714 ug/l  
 RT: 15.395 min Scan# 211  
 Delta R.T. -0.000 min  
 Lab File: VN077601.D  
 Acq: 05 May 2023 19:42

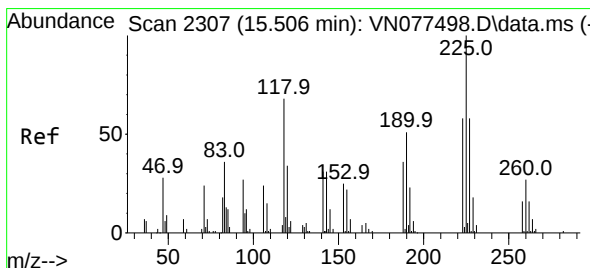
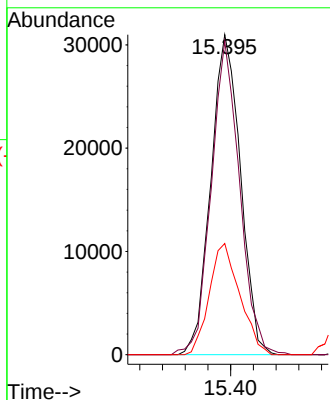
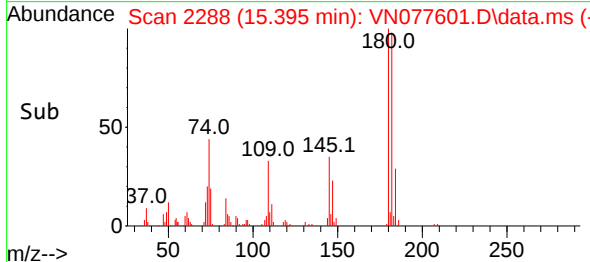
Instrument :  
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 ClientSampleId :  
 VSTDICCC020



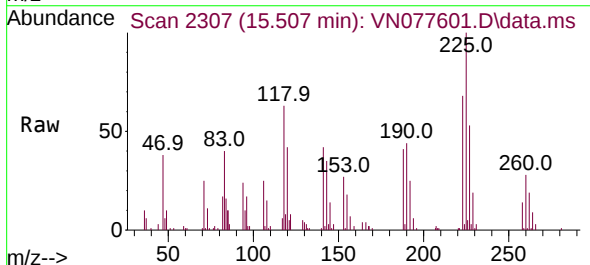
Tgt Ion:180 Resp: 5616  
 Ion Ratio Lower Upper  
 180 100  
 182 93.9 78.7 118.1  
 145 35.8 28.8 43.2

Manual Integrations  
 APPROVED

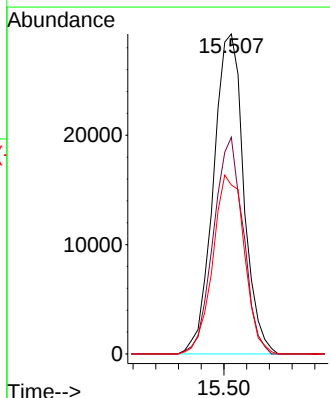
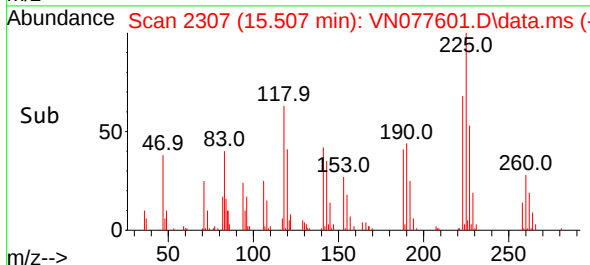
Reviewed By :John Carlone 05/08/2023  
 Supervised By :Mahesh Dadoda 05/08/2023

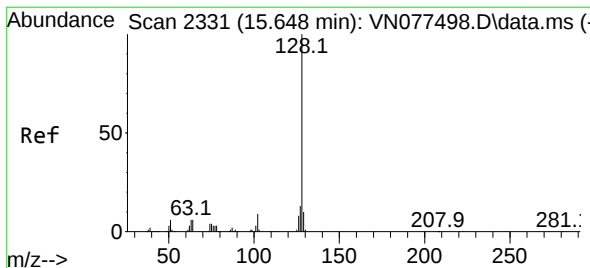


#90  
 Hexachlorobutadiene  
 Concen: 15.093 ug/l  
 RT: 15.507 min Scan# 2307  
 Delta R.T. 0.001 min  
 Lab File: VN077601.D  
 Acq: 05 May 2023 19:42



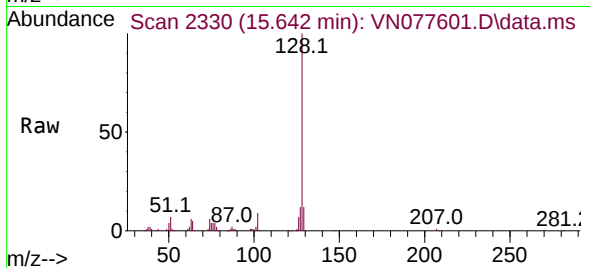
Tgt Ion:225 Resp: 54227  
 Ion Ratio Lower Upper  
 225 100  
 223 66.1 0.0 124.2  
 227 58.1 0.0 119.2





#91  
Naphthalene  
Concen: 12.421 ug/l  
RT: 15.642 min Scan# 2331  
Delta R.T. -0.006 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42

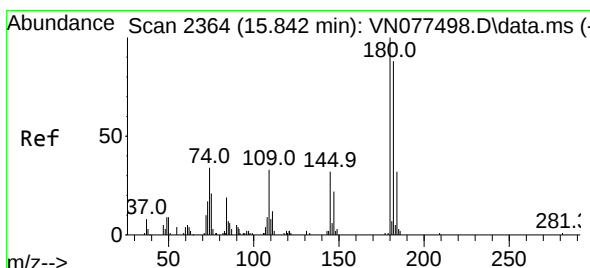
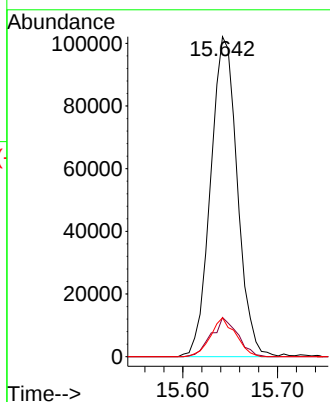
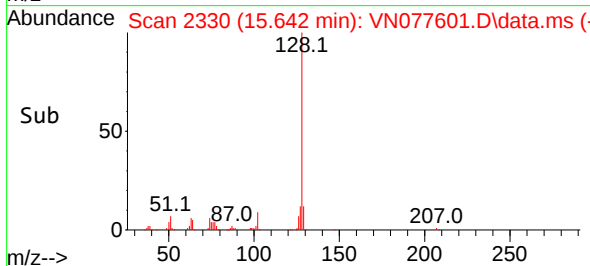
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC020



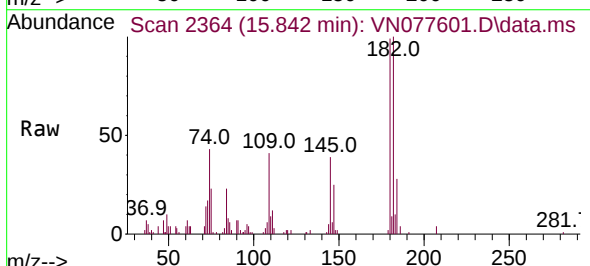
Tgt Ion:128 Resp: 200320  
Ion Ratio Lower Upper  
128 100  
127 12.0 10.4 15.6  
129 11.4 8.7 13.1

Manual Integrations  
APPROVED

Reviewed By :John Carlone 05/08/2023  
Supervised By :Mahesh Dadoda 05/08/2023



#92  
1,2,3-Trichlorobenzene  
Concen: 12.783 ug/l  
RT: 15.842 min Scan# 2364  
Delta R.T. -0.000 min  
Lab File: VN077601.D  
Acq: 05 May 2023 19:42



Tgt Ion:180 Resp: 52835  
Ion Ratio Lower Upper  
180 100  
182 96.7 0.0 198.0  
145 39.3 0.0 80.2

