

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041724\  
 Data File : VN081767.D  
 Acq On : 17 Apr 2024 11:28  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

Quant Time: Apr 18 01:08:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N041024W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Apr 11 09:25:01 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :John

Carlone

04/18/2024

Supervised By :Mahesh

Dadoda

04/18/2024

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                        |                |      |                      |         |        |          |
| Internal Standards           |                |      |                      |         |        |          |
| 1) Bromochloromethane        | 7.818          | 128  | 16222                | 30.000  | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.100          | 114  | 115228               | 30.000  | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.865         | 117  | 153707               | 30.000  | ug/l   | 0.00     |
|                              |                |      |                      |         |        |          |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.583          | 65   | 71294                | 35.775  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = 119.233%# |         |        |          |
| 60) 4-Bromofluorobenzene     | 12.853         | 95   | 99096                | 32.792  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = 109.300%  |         |        |          |
| 63) Toluene-d8               | 10.565         | 98   | 199941               | 32.429  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = 108.100%  |         |        |          |
|                              |                |      |                      |         |        |          |
| Target Compounds             |                |      |                      |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 33076                | 14.592  | ug/l   | 98       |
| 3) Chloromethane             | 2.365          | 50   | 56563                | 28.762  | ug/l   | 94       |
| 4) Vinyl Chloride            | 2.518          | 62   | 59776                | 29.560  | ug/l   | 98       |
| 5) Bromomethane              | 2.965          | 94   | 39222                | 22.902  | ug/l   | 89       |
| 6) Chloroethane              | 3.124          | 64   | 40729                | 25.733  | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 3.501          | 101  | 73346                | 22.092  | ug/l   | 97       |
| 8) Diethyl Ether             | 3.959          | 74   | 20935                | 16.907  | ug/l   | 88       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371          | 101  | 43263                | 18.994  | ug/l   | 97       |
| 10) 1,1-Dichloroethene       | 4.348          | 96   | 37555                | 17.978  | ug/l   | 95       |
| 11) Methyl Iodide            | 4.589          | 142  | 33842                | 14.305  | ug/l   | 90       |
| 12) Methyl Acetate           | 5.024          | 43   | 39990                | 20.848  | ug/l # | 80       |
| 13) Acrolein                 | 4.177          | 56   | 27396m               | 108.445 | ug/l   |          |
| 14) Acrylonitrile            | 5.712          | 53   | 91739                | 96.081  | ug/l   | 96       |
| 15) Acetone                  | 4.424          | 58   | 21603m               | 102.871 | ug/l   |          |
| 16) Carbon Disulfide         | 4.718          | 76   | 108295               | 18.231  | ug/l # | 95       |
| 17) Allyl chloride           | 5.024          | 41   | 48437                | 19.168  | ug/l   | 83       |
| 18) Methylene Chloride       | 5.271          | 84   | 47714                | 19.836  | ug/l   | 98       |
| 19) trans-1,2-Dichloroethene | 5.783          | 96   | 42903                | 18.729  | ug/l   | 90       |
| 20) Diisopropyl ether        | 6.671          | 45   | 124399               | 20.677  | ug/l # | 88       |
| 21) 1,1-Dichloroethane       | 6.571          | 63   | 84252                | 21.004  | ug/l   | 99       |
| 22) cis-1,2-Dichloroethene   | 7.483          | 96   | 51649                | 18.671  | ug/l   | 98       |
| 23) tert-Butyl Alcohol       | 5.512          | 59   | 32717m               | 96.525  | ug/l   |          |
| 24) Methyl tert-Butyl Ether  | 5.800          | 73   | 122562               | 18.760  | ug/l # | 91       |
| 25) Chloroform               | 7.965          | 83   | 96237                | 21.086  | ug/l   | 99       |
| 26) Cyclohexane              | 8.259          | 56   | 62672                | 19.490  | ug/l # | 86       |
| 29) 1,1-Dichloropropene      | 8.371          | 75   | 59999                | 19.806  | ug/l   | 99       |
| 30) 2-Butanone               | 7.483          | 43   | 118329               | 102.278 | ug/l # | 98       |
| 31) 2,2-Dichloropropane      | 7.494          | 77   | 72596                | 19.239  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 8.171          | 97   | 84908                | 20.337  | ug/l   | 98       |
| 33) Carbon Tetrachloride     | 8.365          | 117  | 74792                | 19.763  | ug/l   | 97       |
| 34) Benzene                  | 8.606          | 78   | 196122               | 20.097  | ug/l   | 97       |
| 35) Methacrylonitrile        | 7.771          | 41   | 27682                | 21.124  | ug/l   | 89       |
| 36) 1,2-Dichloroethane       | 8.671          | 62   | 71210                | 22.247  | ug/l # | 86       |
| 37) Trichloroethene          | 9.353          | 130  | 47904                | 18.551  | ug/l   | 99       |
| 38) Methylcyclohexane        | 9.600          | 83   | 63160                | 17.058  | ug/l   | 96       |
| 39) 1,2-Dichloropropane      | 9.618          | 63   | 49107                | 21.570  | ug/l   | 98       |
| 40) Dibromomethane           | 9.706          | 93   | 38182                | 21.054  | ug/l   | 93       |
| 41) Bromodichloromethane     | 9.888          | 83   | 79276                | 21.437  | ug/l # | 97       |
| 42) Vinyl Acetate            | 6.600          | 43   | 480523               | 99.702  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041724\  
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 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

Quant Time: Apr 18 01:08:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N041024W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Apr 11 09:25:01 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :John

Carlone

04/18/2024

Supervised By :Mahesh

Dadoda

04/18/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.559  | 43   | 53364    | 20.929  | ug/l   | 98       |
| 44) Isopropyl Acetate         | 8.688  | 43   | 91830    | 21.494  | ug/l   | 95       |
| 45) 1,4-Dioxane               | 9.694  | 88   | 18743    | 397.421 | ug/l # | 95       |
| 46) Methyl methacrylate       | 9.683  | 41   | 40259    | 20.955  | ug/l   | 87       |
| 47) n-amyl Acetate            | 12.494 | 43   | 81160    | 21.171  | ug/l   | 99       |
| 48) t-1,3-Dichloropropene     | 10.835 | 75   | 72364    | 20.539  | ug/l   | 98       |
| 49) cis-1,3-Dichloropropene   | 10.312 | 75   | 75984    | 20.026  | ug/l # | 88       |
| 50) 1,1,2-Trichloroethane     | 11.012 | 97   | 48888    | 20.133  | ug/l   | 96       |
| 51) Ethyl methacrylate        | 10.877 | 69   | 63339    | 18.733  | ug/l   | 79       |
| 52) 1,3-Dichloropropane       | 11.165 | 76   | 84991    | 21.353  | ug/l   | 99       |
| 53) Dibromochloromethane      | 11.359 | 129  | 59938    | 20.663  | ug/l   | 99       |
| 54) 1,2-Dibromoethane         | 11.471 | 107  | 50244    | 20.017  | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether | 10.159 | 63   | 186975   | 112.610 | ug/l   | 98       |
| 56) Bromoform                 | 12.576 | 173  | 37649    | 20.298  | ug/l # | 97       |
| 58) 4-Methyl-2-Pentanone      | 10.447 | 43   | 292931   | 110.820 | ug/l # | 91       |
| 59) 2-Hexanone                | 11.194 | 43   | 219712   | 110.678 | ug/l # | 89       |
| 61) Tetrachloroethene         | 11.106 | 164  | 55313    | 19.421  | ug/l   | 98       |
| 62) Toluene                   | 10.630 | 91   | 225933   | 20.204  | ug/l   | 98       |
| 64) Chlorobenzene             | 11.894 | 112  | 135319   | 19.084  | ug/l   | 100      |
| 65) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 52324    | 20.314  | ug/l   | 97       |
| 66) Ethyl Benzene             | 11.965 | 91   | 225843   | 18.995  | ug/l   | 96       |
| 67) m/p-Xylenes               | 12.071 | 106  | 189769   | 40.295  | ug/l   | 91       |
| 68) o-Xylene                  | 12.400 | 106  | 85717    | 19.172  | ug/l   | 98       |
| 69) Styrene                   | 12.412 | 104  | 144799   | 19.017  | ug/l   | 99       |
| 70) Isopropylbenzene          | 12.700 | 105  | 222926   | 19.328  | ug/l   | 95       |
| 71) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 64286    | 21.337  | ug/l   | 96       |
| 72) 1,2,3-Trichloropropane    | 12.994 | 75   | 64568m   | 23.148  | ug/l   |          |
| 73) Bromobenzene              | 12.982 | 156  | 55175    | 19.305  | ug/l   | 98       |
| 74) n-propylbenzene           | 13.035 | 91   | 274309   | 19.868  | ug/l   | 100      |
| 75) 2-Chlorotoluene           | 13.129 | 91   | 165944   | 20.175  | ug/l   | 94       |
| 76) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 193065   | 19.721  | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene   | 12.735 | 75   | 23418    | 20.272  | ug/l   | 93       |
| 78) 4-Chlorotoluene           | 13.223 | 91   | 167920   | 20.583  | ug/l   | 98       |
| 79) tert-butylbenzene         | 13.441 | 119  | 164968   | 19.807  | ug/l   | 96       |
| 80) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 196710   | 20.148  | ug/l   | 97       |
| 81) sec-Butylbenzene          | 13.618 | 105  | 234189   | 19.497  | ug/l   | 99       |
| 82) p-Isopropyltoluene        | 13.729 | 119  | 186978   | 18.561  | ug/l   | 96       |
| 83) 1,3-Dichlorobenzene       | 13.735 | 146  | 106113   | 19.867  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 13.818 | 146  | 105123   | 20.332  | ug/l   | 98       |
| 85) n-Butylbenzene            | 14.059 | 91   | 156176   | 18.406  | ug/l   | 98       |
| 86) Hexachloroethane          | 14.335 | 117  | 39234    | 20.387  | ug/l   | 86       |
| 87) 1,2-Dichlorobenzene       | 14.106 | 146  | 100460   | 19.759  | ug/l   | 97       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 13908    | 21.175  | ug/l   | 94       |
| 89) 1,2,4-Trichlorobenzene    | 15.841 | 180  | 52585    | 18.870  | ug/l   | 98       |
| 90) Hexachlorobutadiene       | 15.500 | 225  | 22077    | 19.769  | ug/l   | 99       |
| 91) Naphthalene               | 15.641 | 128  | 156037   | 17.416  | ug/l   | 98       |
| 92) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 52585    | 18.870  | ug/l   | 98       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN041724\  
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 Acq On : 17 Apr 2024 11:28  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

MSVOA\_N

## ClientSampleId :

VSTDCCC020

## Manual Integrations

## APPROVED

Reviewed By :John

Carlone

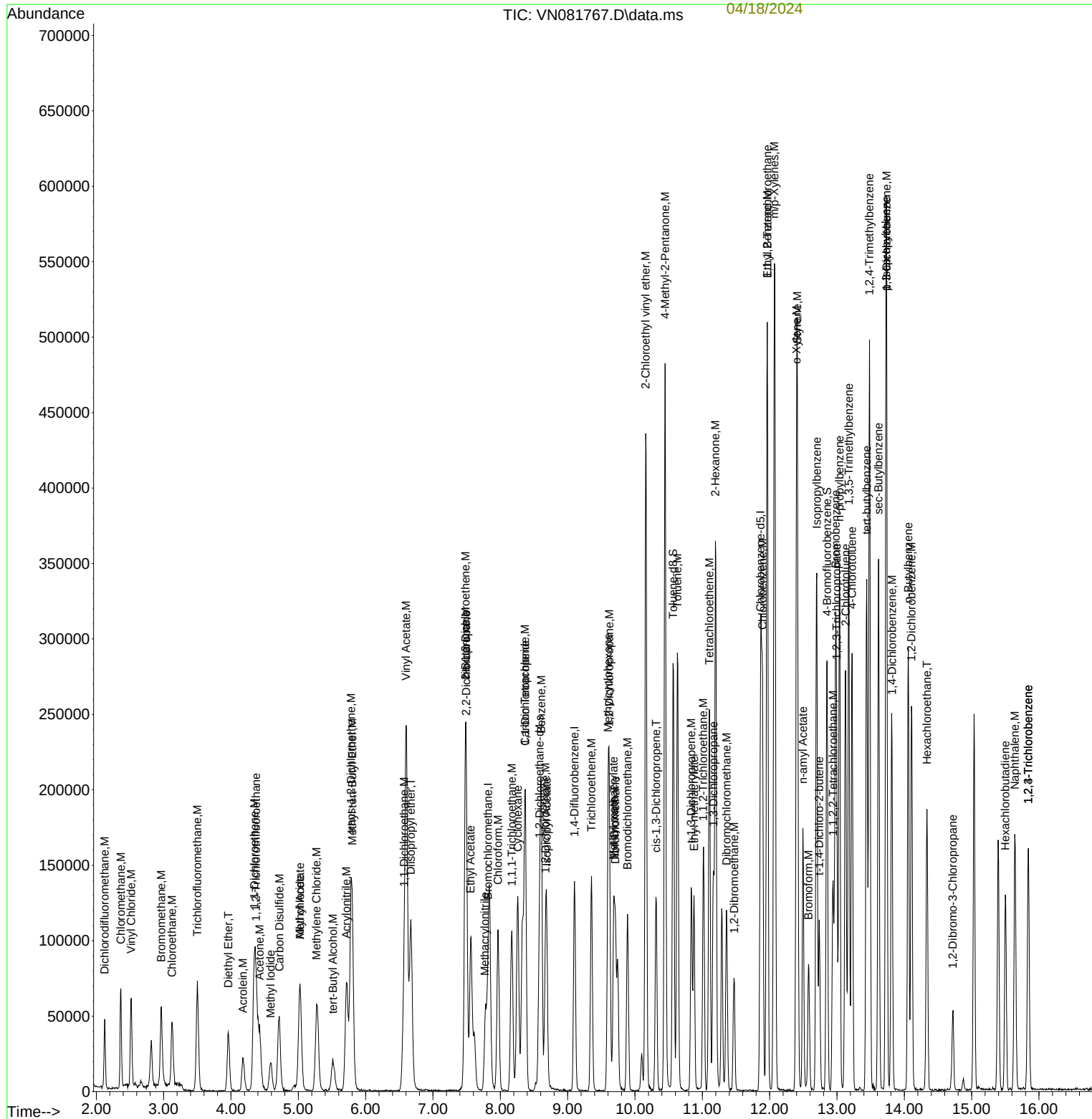
04/18/2024

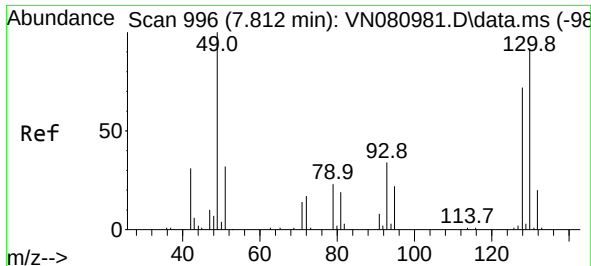
Supervised By :Mahesh

Dadoda

04/18/2024

Quant Time: Apr 18 01:08:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N041024W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Apr 11 09:25:01 2024  
 Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.818 min Scan# 996  
Delta R.T. -0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

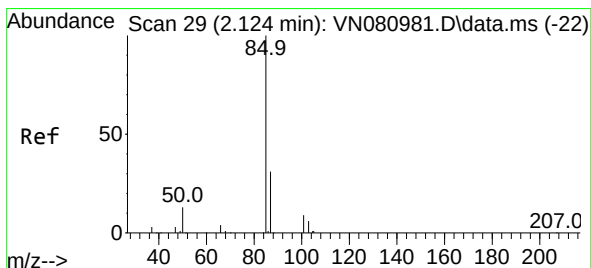
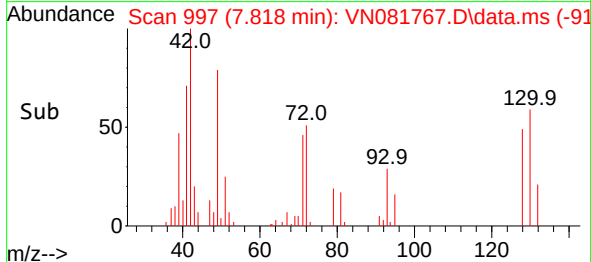
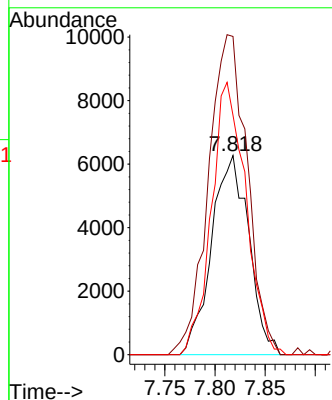
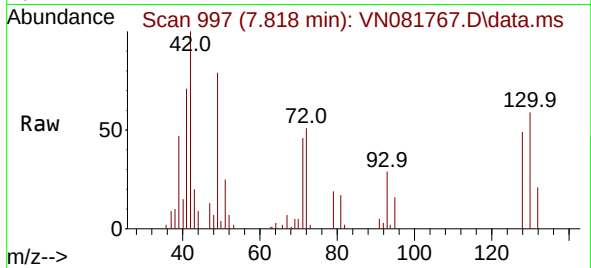
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion:128 Resp: 1622  
Ion Ratio Lower Upper  
128 100  
49 167.2 0.0 403.7  
130 126.8 0.0 323.3

Manual Integrations  
APPROVED

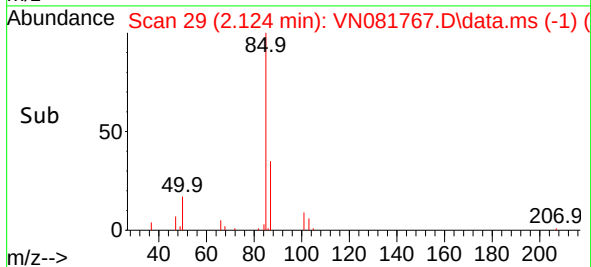
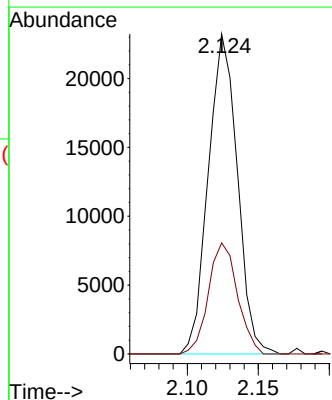
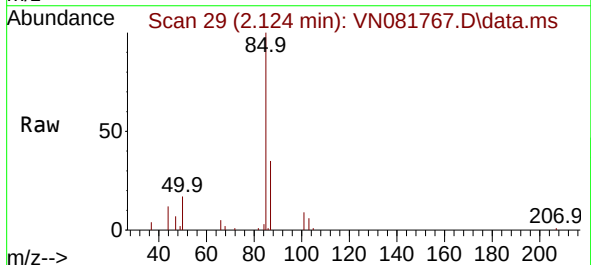
Reviewed By :John  
Carlone  
04/18/2024

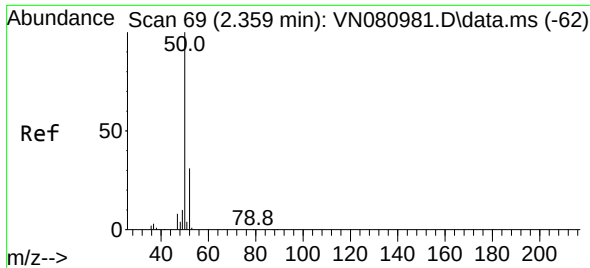
Supervised By :Mahesh  
Dadoda  
04/18/2024



#2  
Dichlorodifluoromethane  
Concen: 14.592 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Tgt Ion: 85 Resp: 33076  
Ion Ratio Lower Upper  
85 100  
87 34.7 16.8 50.3





#3  
Chloromethane  
Concen: 28.762 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

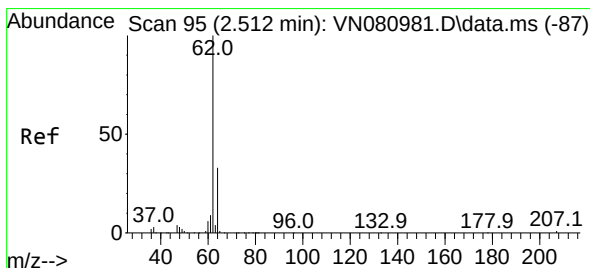
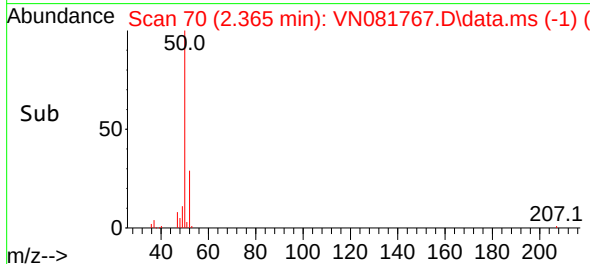
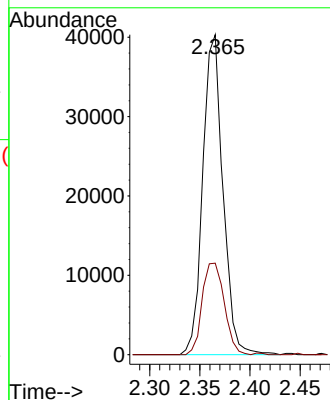
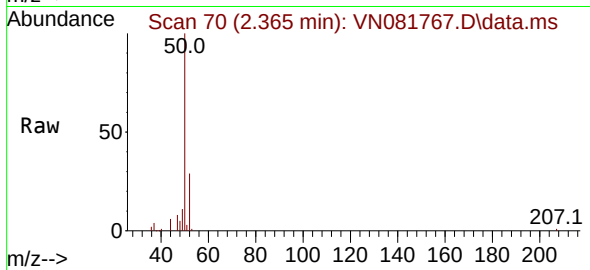
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 50 Resp: 5656  
Ion Ratio Lower Upper  
50 100  
52 28.6 25.4 38.0

Manual Integrations  
APPROVED

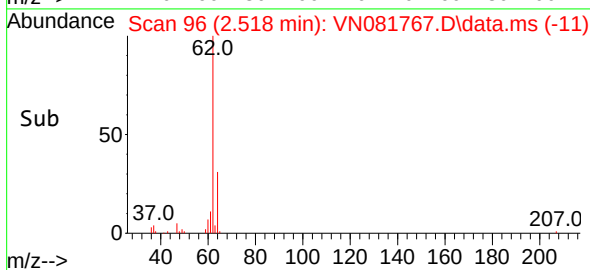
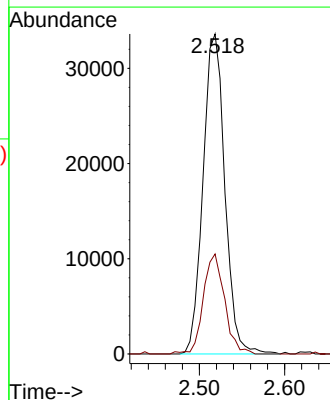
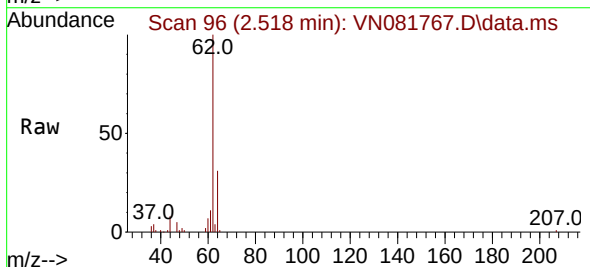
Reviewed By :John  
Carlone  
04/18/2024

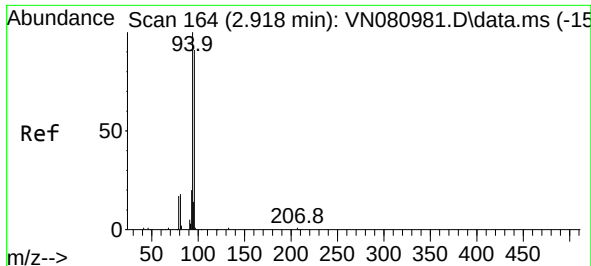
Supervised By :Mahesh  
Dadoda  
04/18/2024



#4  
Vinyl Chloride  
Concen: 29.560 ug/l  
RT: 2.518 min Scan# 96  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

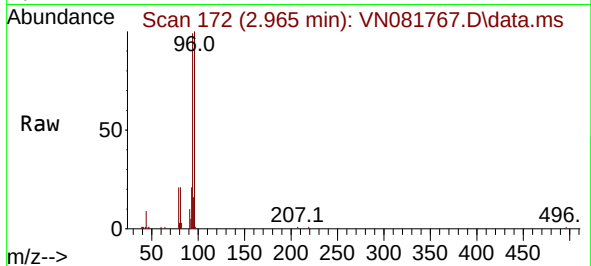
Tgt Ion: 62 Resp: 59776  
Ion Ratio Lower Upper  
62 100  
64 31.3 24.1 36.1





#5  
Bromomethane  
Concen: 22.902 ug/l  
RT: 2.965 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

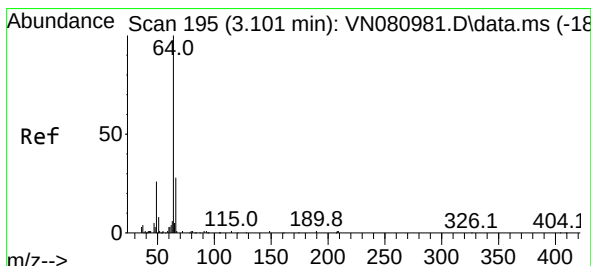
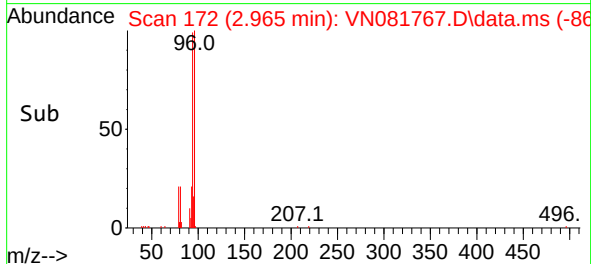
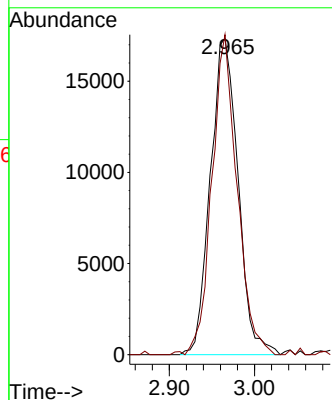


Tgt Ion: 94 Resp: 3922  
Ion Ratio Lower Upper  
94 100  
96 101.2 72.8 109.2

Manual Integrations  
APPROVED

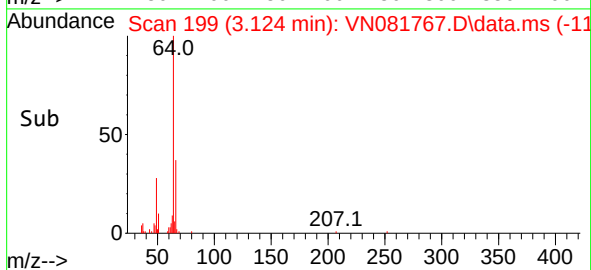
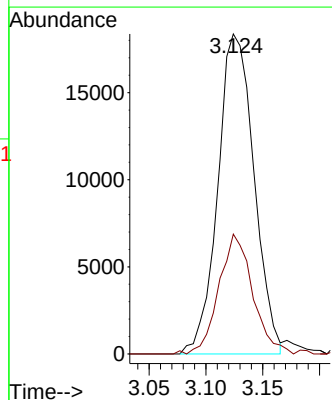
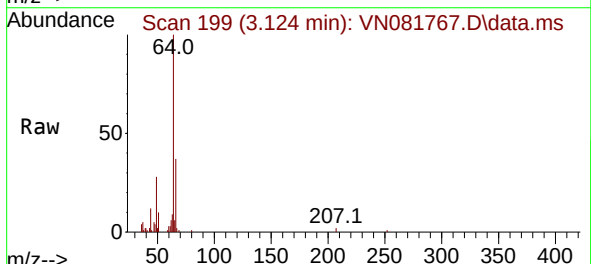
Reviewed By :John  
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04/18/2024

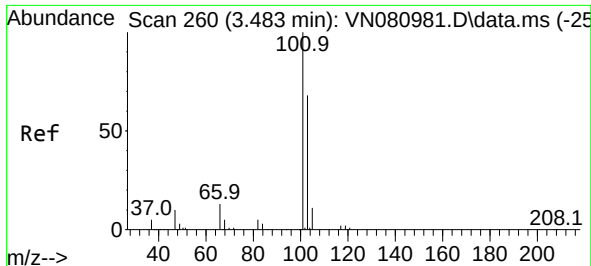
Supervised By :Mahesh  
Dadoda  
04/18/2024



#6  
Chloroethane  
Concen: 25.733 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Tgt Ion: 64 Resp: 40729  
Ion Ratio Lower Upper  
64 100  
66 36.4 26.7 40.1





#7  
Trichlorofluoromethane  
Concen: 22.092 ug/l  
RT: 3.501 min Scan# 260  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

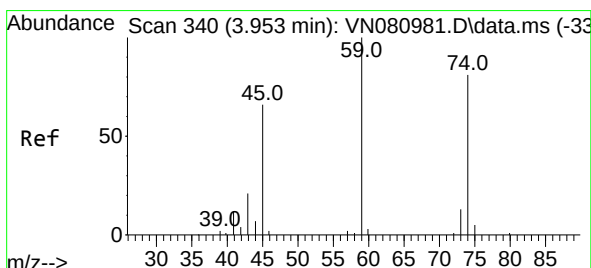
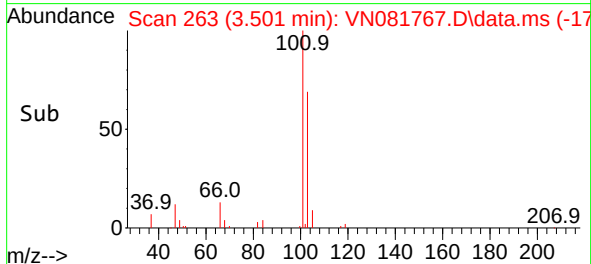
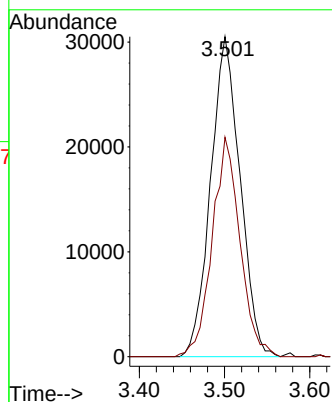
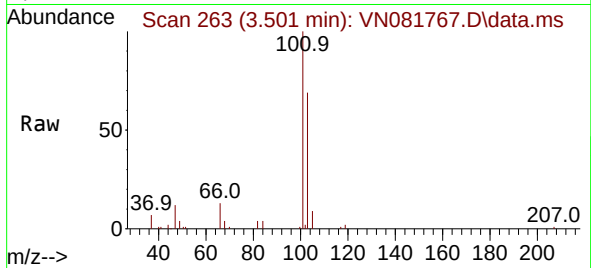
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion:101 Resp: 73340  
Ion Ratio Lower Upper  
101 100  
103 68.5 53.0 79.4

Manual Integrations  
APPROVED

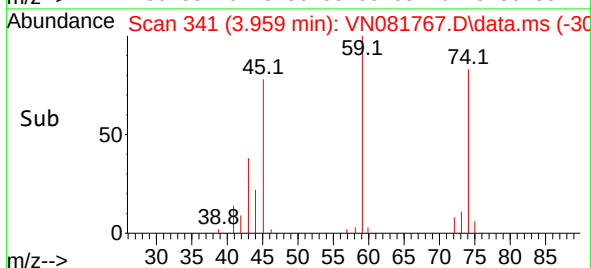
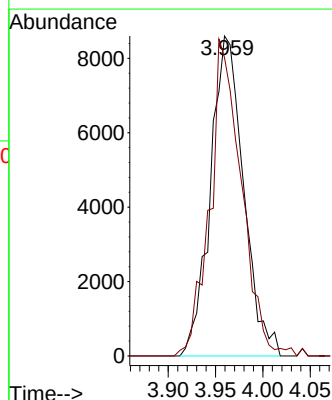
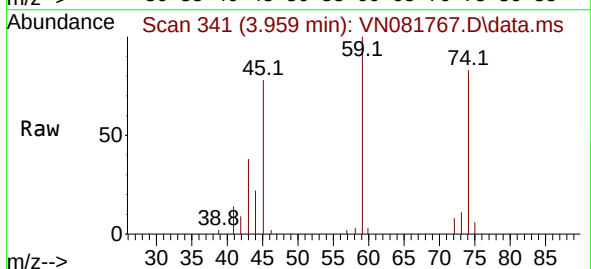
Reviewed By :John  
Carlone  
04/18/2024

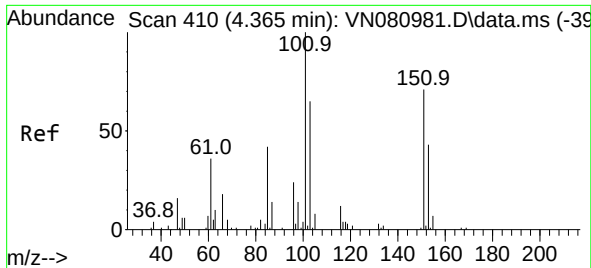
Supervised By :Mahesh  
Dadoda  
04/18/2024



#8  
Diethyl Ether  
Concen: 16.907 ug/l  
RT: 3.959 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Tgt Ion: 74 Resp: 20935  
Ion Ratio Lower Upper  
74 100  
45 93.0 16.4 147.4





#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 18.994 ug/l  
RT: 4.371 min Scan# 410  
Delta R.T. -0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

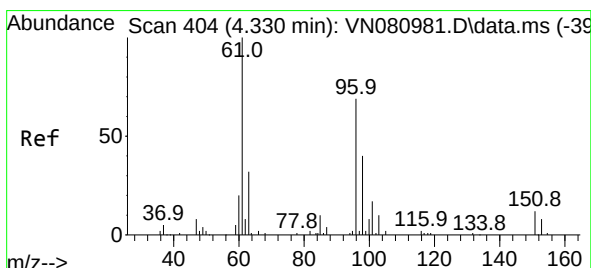
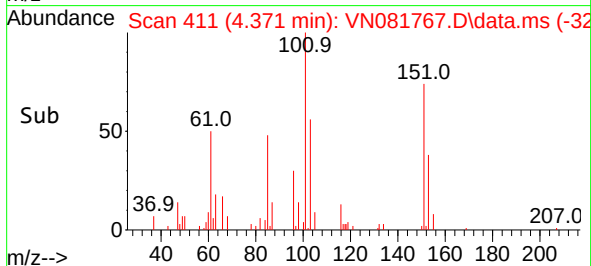
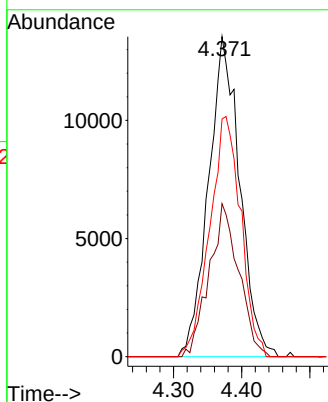
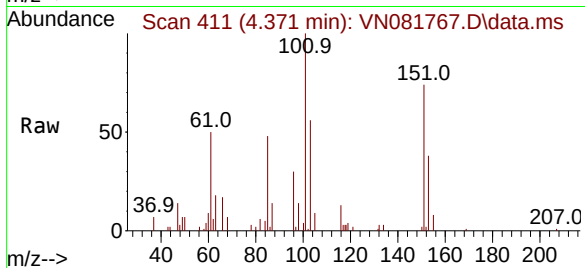
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion:101 Resp: 4326  
Ion Ratio Lower Upper  
101 100  
85 45.3 0.0 90.6  
151 74.5 0.0 157.6

Manual Integrations  
APPROVED

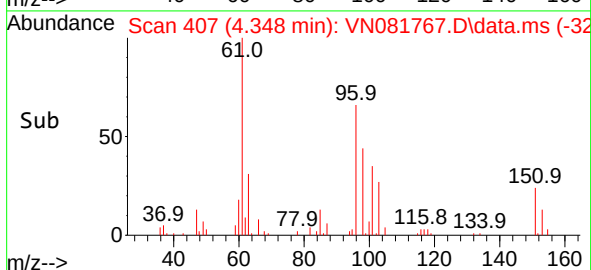
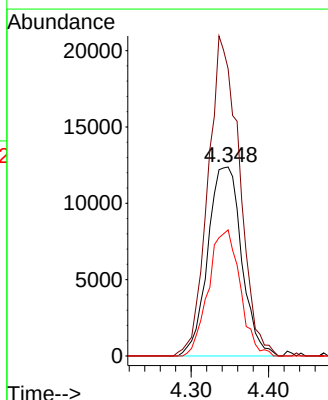
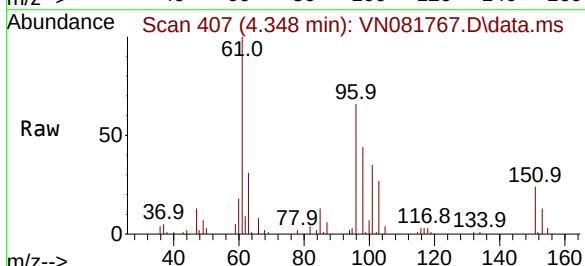
Reviewed By :John  
Carlone  
04/18/2024

Supervised By :Mahesh  
Dadoda  
04/18/2024

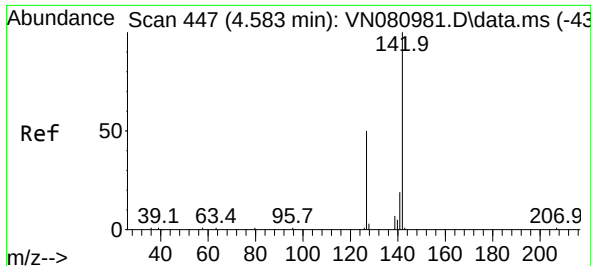


#10  
1,1-Dichloroethene  
Concen: 17.978 ug/l  
RT: 4.348 min Scan# 407  
Delta R.T. 0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Tgt Ion: 96 Resp: 37555  
Ion Ratio Lower Upper  
96 100  
61 152.0 117.6 176.4  
98 66.7 48.4 72.6

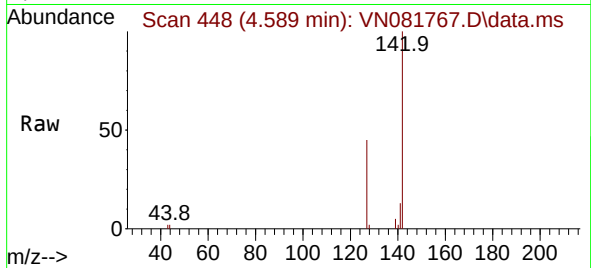






#11  
Methyl Iodide  
Concen: 14.305 ug/l  
RT: 4.589 min Scan# 447  
Delta R.T. -0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

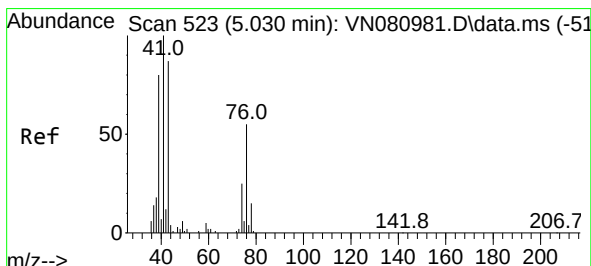
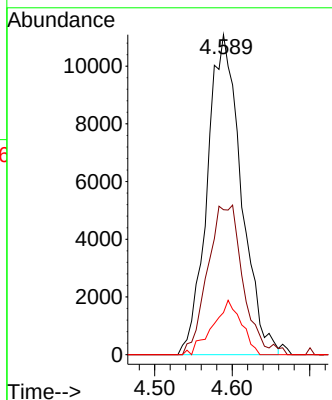
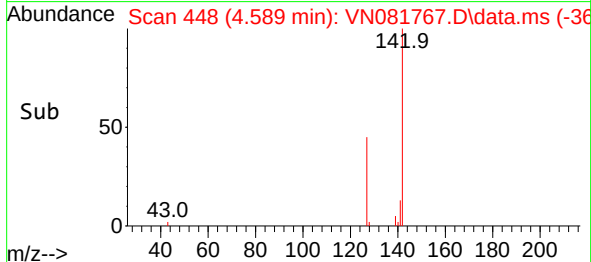


Tgt Ion:142 Resp: 3384  
Ion Ratio Lower Upper  
142 100  
127 44.8 26.3 78.9  
141 13.3 8.3 24.9

Manual Integrations  
APPROVED

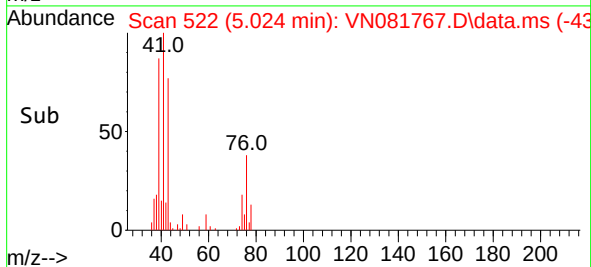
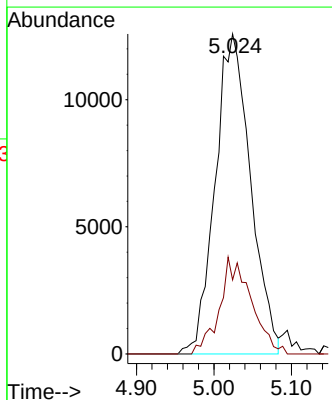
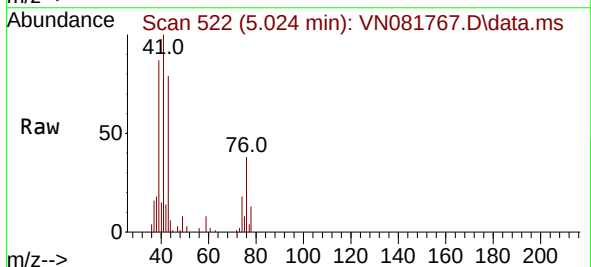
Reviewed By :John  
Carlone  
04/18/2024

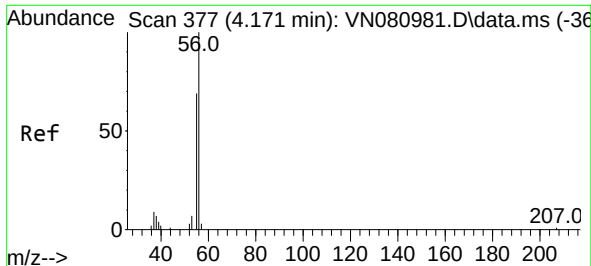
Supervised By :Mahesh  
Dadoda  
04/18/2024



#12  
Methyl Acetate  
Concen: 20.848 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Tgt Ion: 43 Resp: 39990  
Ion Ratio Lower Upper  
43 100  
74 22.9 27.7 41.5#





#13

Acrolein

Concen: 108.445 ug/l m

RT: 4.177 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN081767.D

Acq: 17 Apr 2024 11:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 56 Resp: 27390

Ion Ratio Lower Upper

56 100

55 0.5 55.5 83.3

Manual Integrations

APPROVED

Reviewed By :John

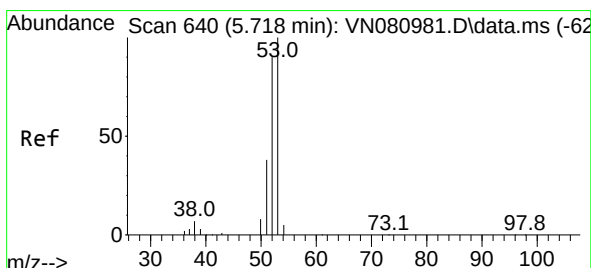
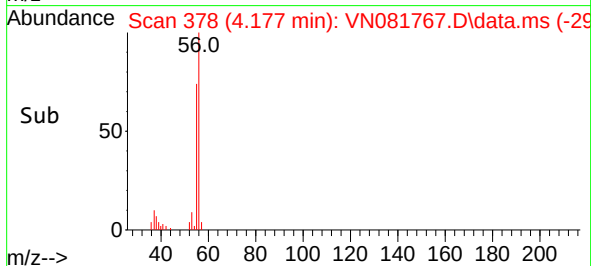
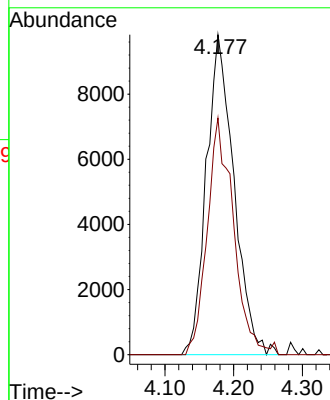
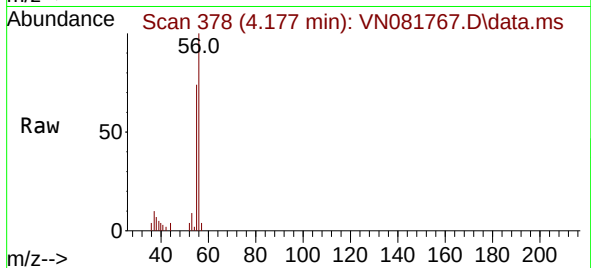
Carlone

04/18/2024

Supervised By :Mahesh

Dadoda

04/18/2024



#14

Acrylonitrile

Concen: 96.081 ug/l

RT: 5.712 min Scan# 639

Delta R.T. -0.006 min

Lab File: VN081767.D

Acq: 17 Apr 2024 11:28

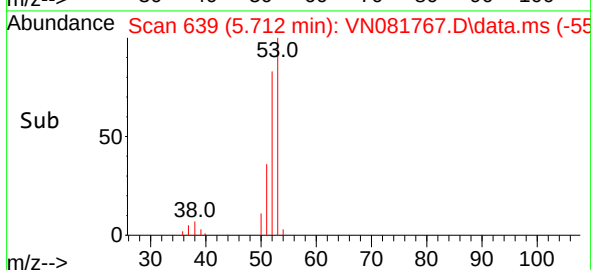
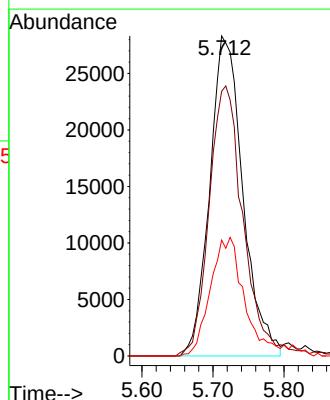
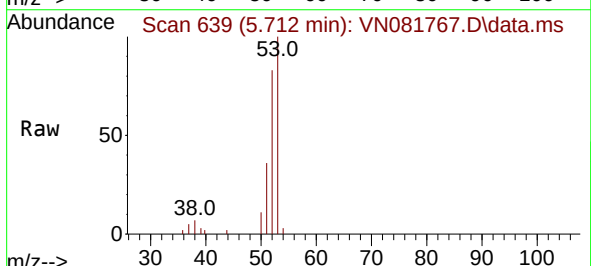
Tgt Ion: 53 Resp: 91739

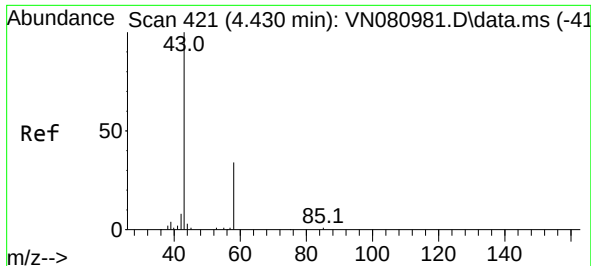
Ion Ratio Lower Upper

53 100

52 84.9 41.3 123.9

51 37.8 16.8 50.3





#15

Acetone

Concen: 102.871 ug/l m

RT: 4.424 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN081767.D

Acq: 17 Apr 2024 11:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 58 Resp: 2160

Ion Ratio Lower Upper

58 100

43 296.1 223.1 334.7

Manual Integrations

APPROVED

Reviewed By :John

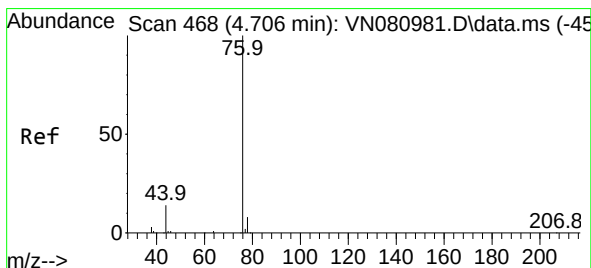
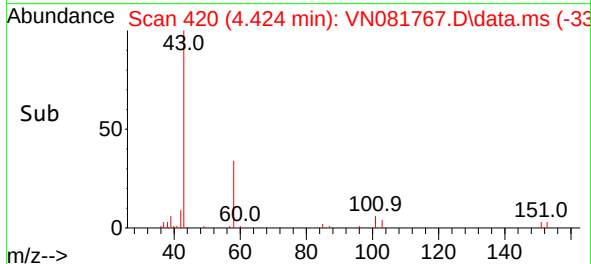
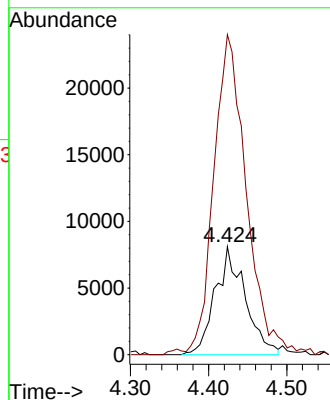
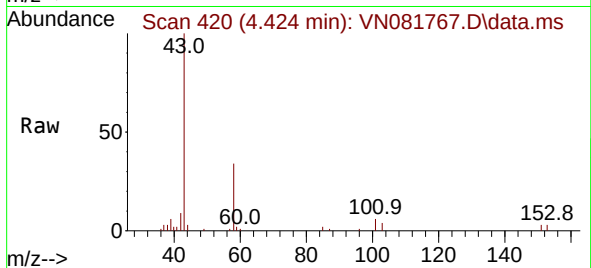
Carlone

04/18/2024

Supervised By :Mahesh

Dadoda

04/18/2024



#16

Carbon Disulfide

Concen: 18.231 ug/l

RT: 4.718 min Scan# 470

Delta R.T. 0.006 min

Lab File: VN081767.D

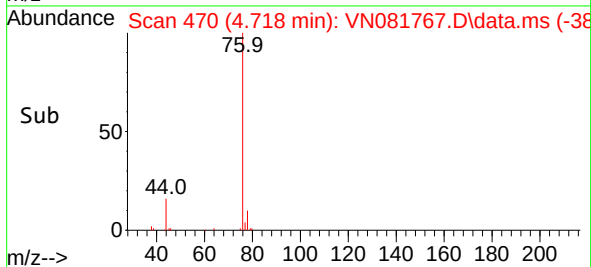
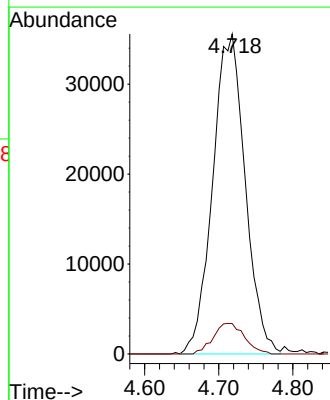
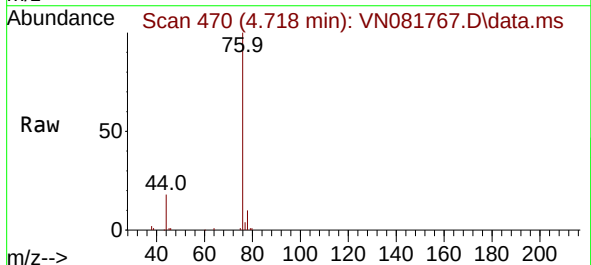
Acq: 17 Apr 2024 11:28

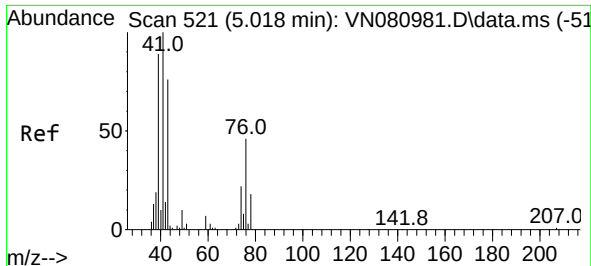
Tgt Ion: 76 Resp: 108295

Ion Ratio Lower Upper

76 100

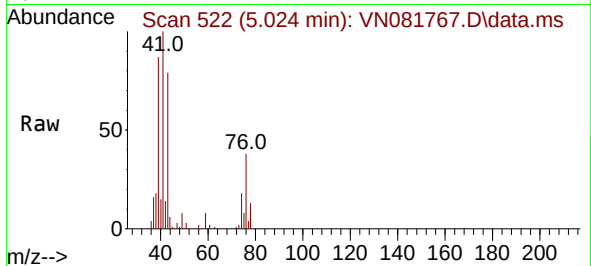
78 9.5 6.3 9.5#





#17  
 Allyl chloride  
 Concen: 19.168 ug/l  
 RT: 5.024 min Scan# 51  
 Delta R.T. 0.000 min  
 Lab File: VN081767.D  
 Acq: 17 Apr 2024 11:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

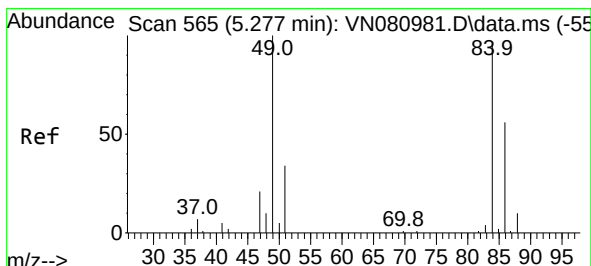
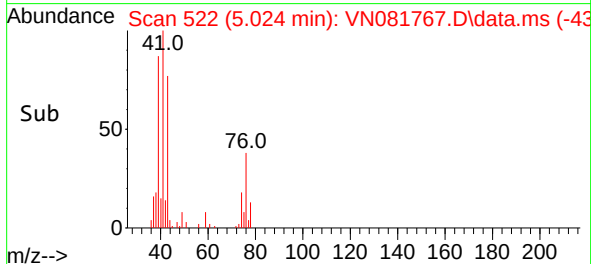
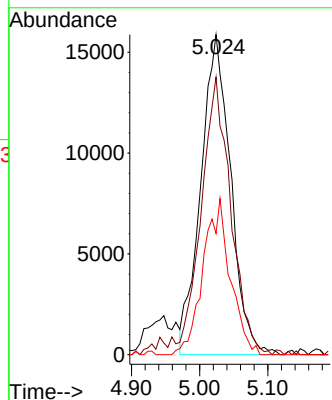


| Tgt Ion:  | 41   | Resp: | 4843  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 39        | 85.5 | 37.6  | 112.9 |
| 76        | 37.9 | 27.8  | 83.4  |

Manual Integrations  
 APPROVED

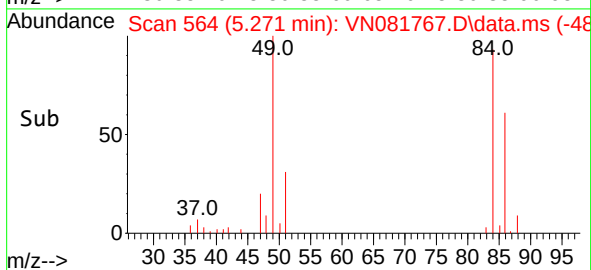
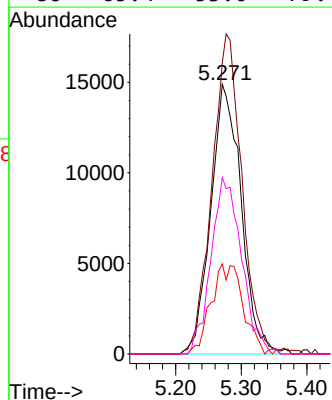
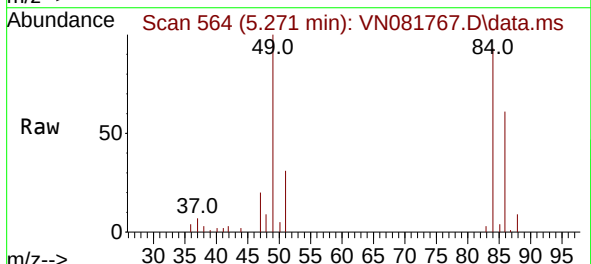
Reviewed By :John  
 Carlone  
 04/18/2024

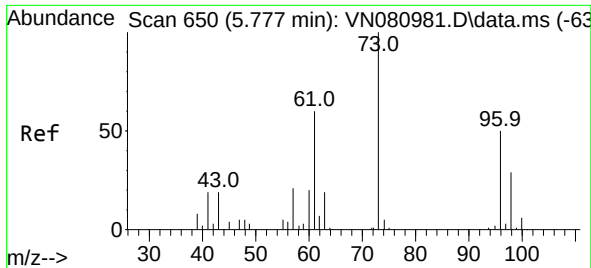
Supervised By :Mahesh  
 Dadoda  
 04/18/2024



#18  
 Methylene Chloride  
 Concen: 19.836 ug/l  
 RT: 5.271 min Scan# 564  
 Delta R.T. -0.012 min  
 Lab File: VN081767.D  
 Acq: 17 Apr 2024 11:28

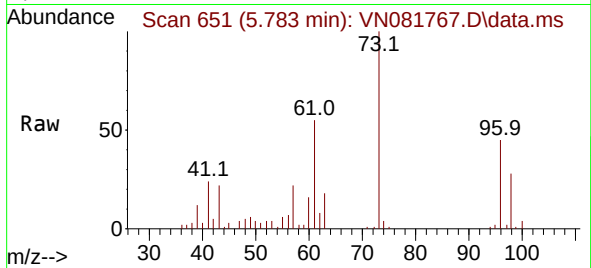
| Tgt Ion:  | 84    | Resp: | 47714 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 49        | 107.9 | 86.0  | 129.0 |
| 51        | 33.4  | 30.0  | 45.0  |
| 86        | 65.4  | 53.0  | 79.4  |





#19  
trans-1,2-Dichloroethene  
Concen: 18.729 ug/l  
RT: 5.783 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

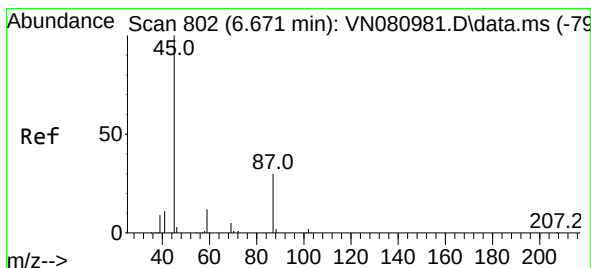
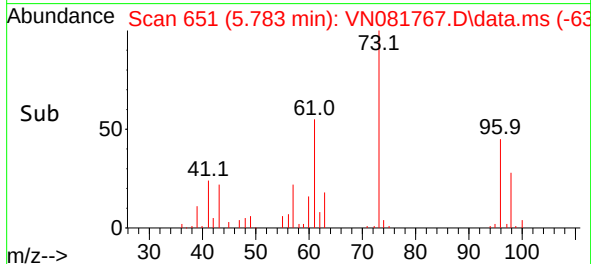
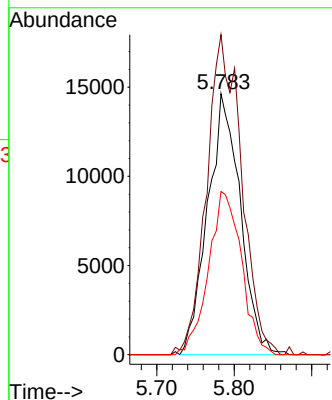


Tgt Ion: 96 Resp: 4290  
Ion Ratio Lower Upper  
96 100  
61 122.6 111.8 167.6  
98 62.5 49.2 73.8

Manual Integrations  
APPROVED

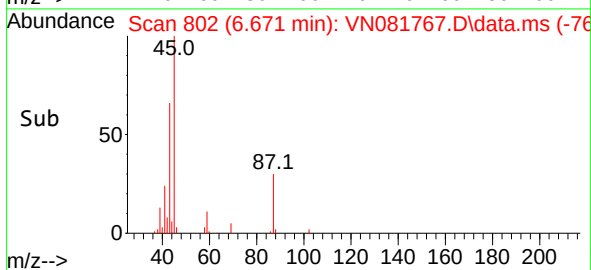
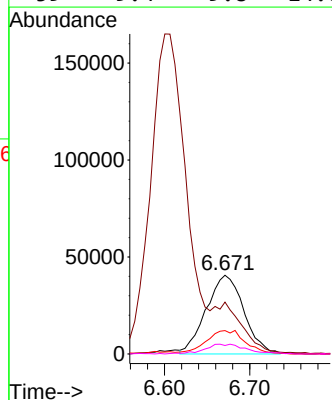
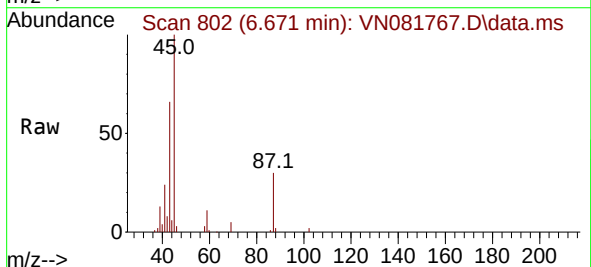
Reviewed By :John  
Carlone  
04/18/2024

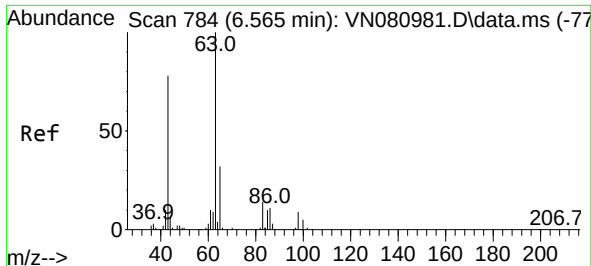
Supervised By :Mahesh  
Dadoda  
04/18/2024



#20  
Diisopropyl ether  
Concen: 20.677 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. -0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

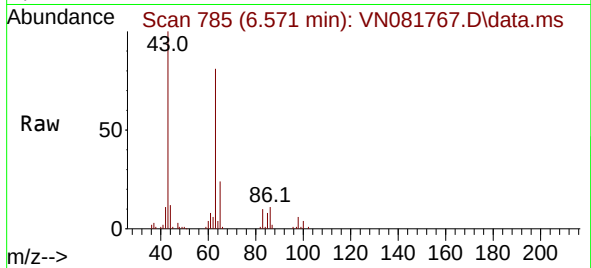
Tgt Ion: 45 Resp: 124399  
Ion Ratio Lower Upper  
45 100  
43 64.1 40.4 60.6#  
87 29.0 23.8 35.8  
59 9.4 9.8 14.6#





#21  
1,1-Dichloroethane  
Concen: 21.004 ug/l  
RT: 6.571 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

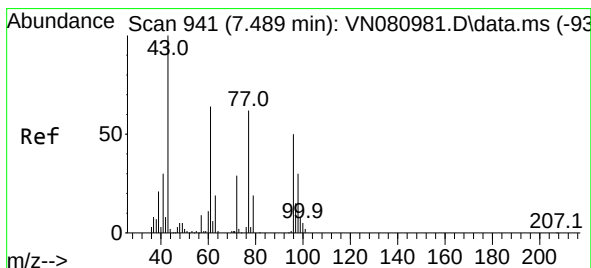
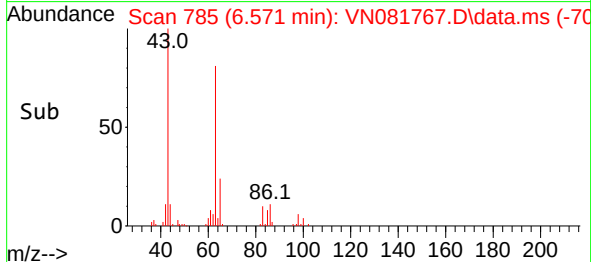
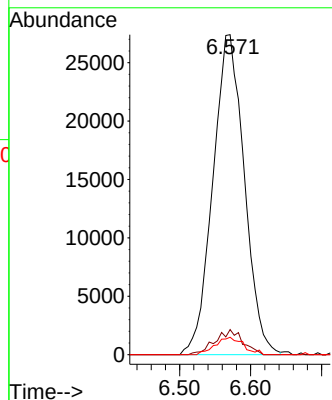


Tgt Ion: 63 Resp: 8425  
Ion Ratio Lower Upper  
63 100  
98 7.9 4.1 12.3  
100 5.4 3.0 9.0

Manual Integrations  
APPROVED

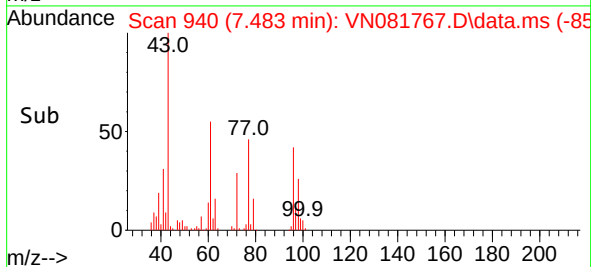
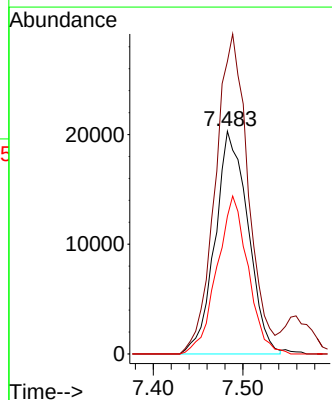
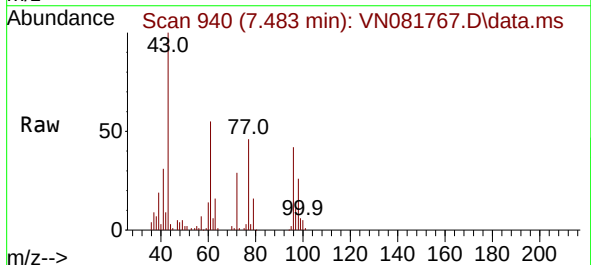
Reviewed By :John  
Carlone  
04/18/2024

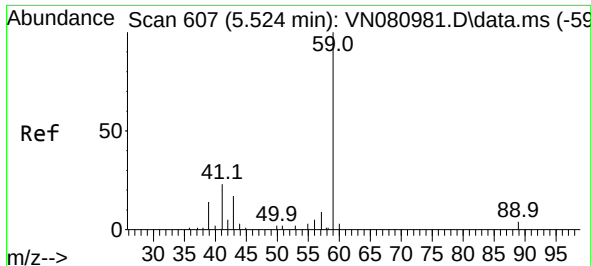
Supervised By :Mahesh  
Dadoda  
04/18/2024



#22  
cis-1,2-Dichloroethene  
Concen: 18.671 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

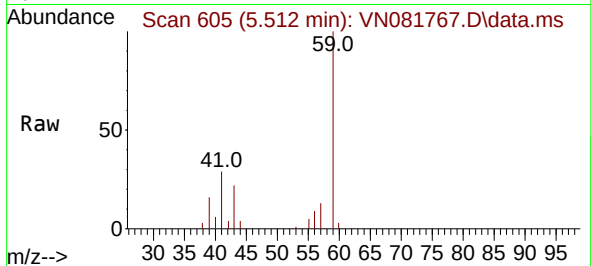
Tgt Ion: 96 Resp: 51649  
Ion Ratio Lower Upper  
96 100  
61 143.6 113.5 170.3  
98 67.2 52.0 78.0





#23  
tert-Butyl Alcohol  
Concen: 96.525 ug/l m  
RT: 5.512 min Scan# 607  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

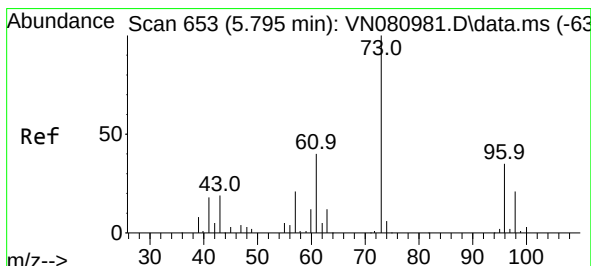
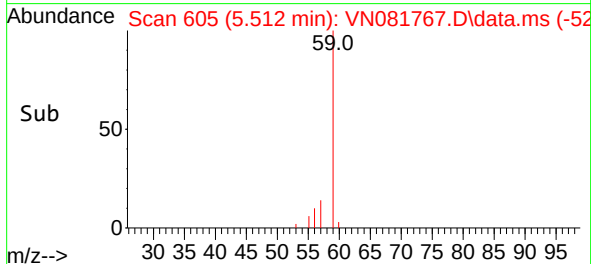
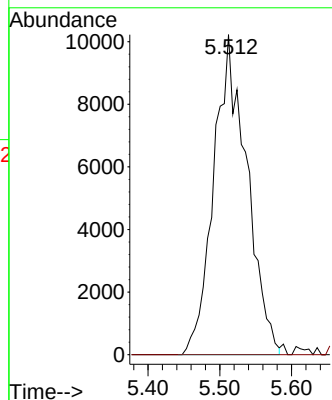


Tgt Ion: 59 Resp: 3271  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0

Manual Integrations  
APPROVED

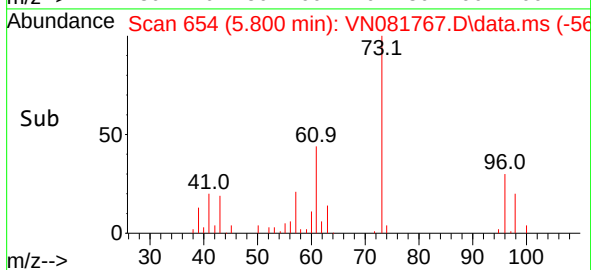
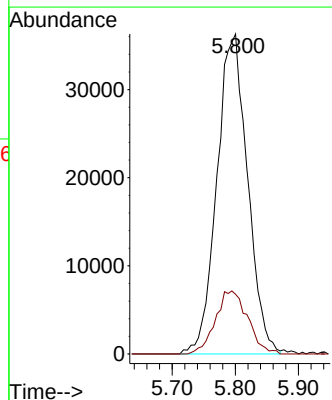
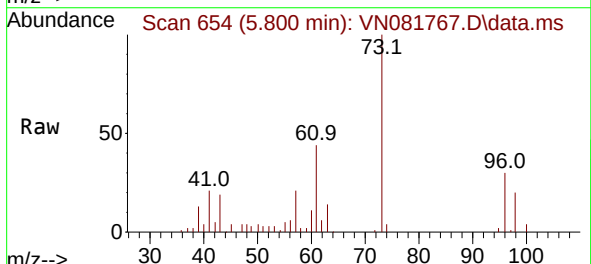
Reviewed By :John  
Carlone  
04/18/2024

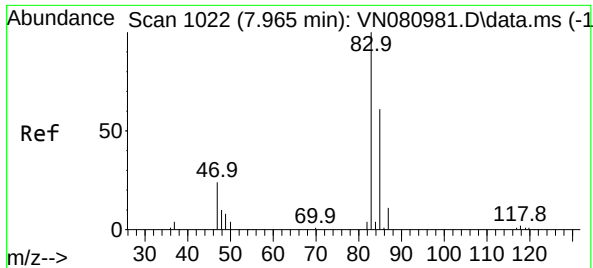
Supervised By :Mahesh  
Dadoda  
04/18/2024



#24  
Methyl tert-Butyl Ether  
Concen: 18.760 ug/l  
RT: 5.800 min Scan# 654  
Delta R.T. 0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Tgt Ion: 73 Resp: 122562  
Ion Ratio Lower Upper  
73 100  
43 20.5 13.4 20.2#





#25  
Chloroform  
Concen: 21.086 ug/l  
RT: 7.965 min Scan# 1022  
Delta R.T. -0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

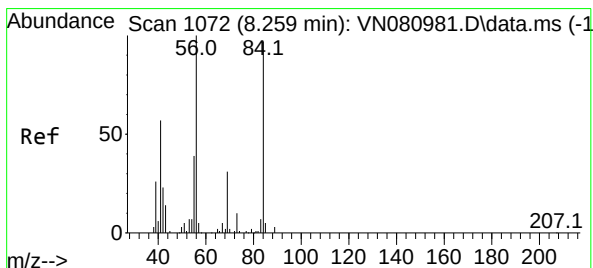
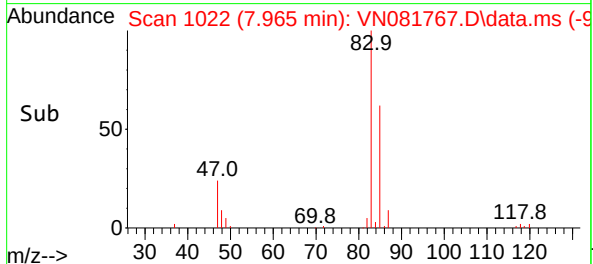
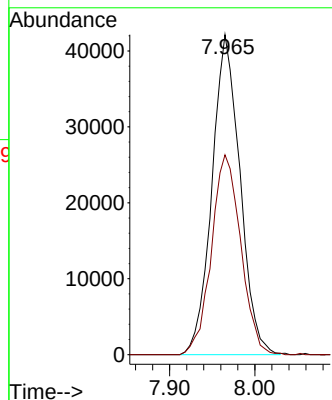
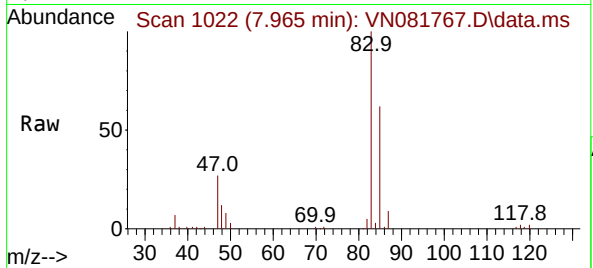
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 83 Resp: 9623  
Ion Ratio Lower Upper  
83 100  
85 62.5 50.9 76.3

Manual Integrations  
APPROVED

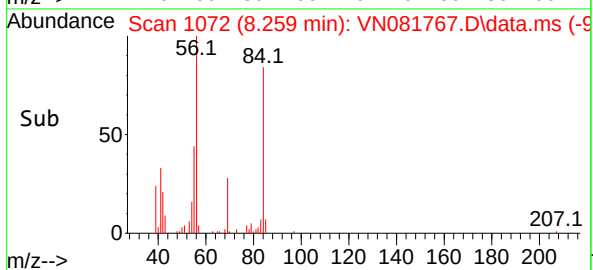
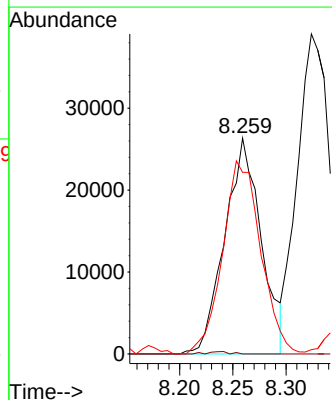
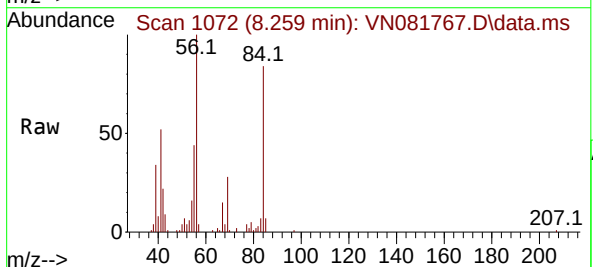
Reviewed By :John  
Carlone  
04/18/2024

Supervised By :Mahesh  
Dadoda  
04/18/2024

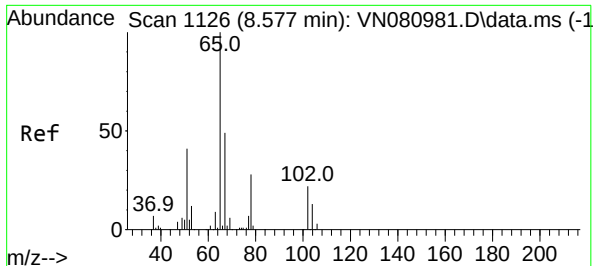


#26  
Cyclohexane  
Concen: 19.490 ug/l  
RT: 8.259 min Scan# 1072  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Tgt Ion: 56 Resp: 62672  
Ion Ratio Lower Upper  
56 100  
89 0.1 19.3 28.9#  
84 93.6 71.3 106.9







#27  
1,2-Dichloroethane-d4  
Concen: 35.775 ug/l  
RT: 8.583 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 65 Resp: 71294  
Ion Ratio Lower Upper  
65 100  
67 50.1 43.2 64.8

Manual Integrations

APPROVED

Reviewed By :John

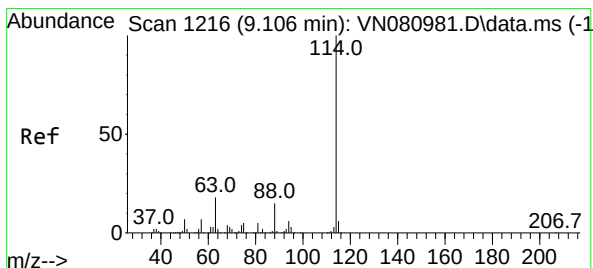
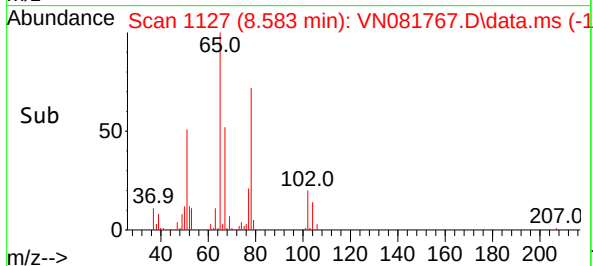
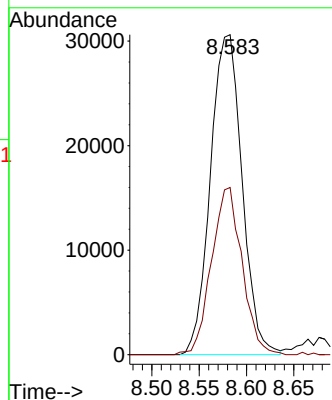
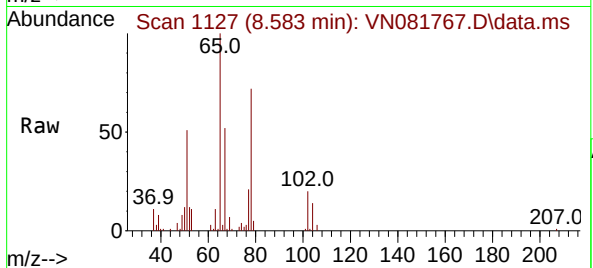
Carlone

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Supervised By :Mahesh

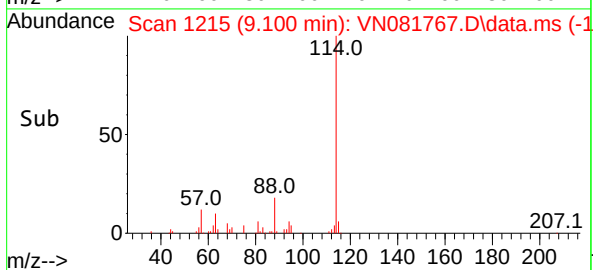
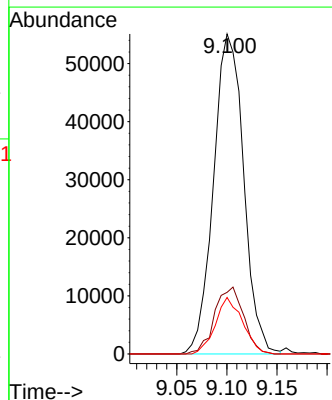
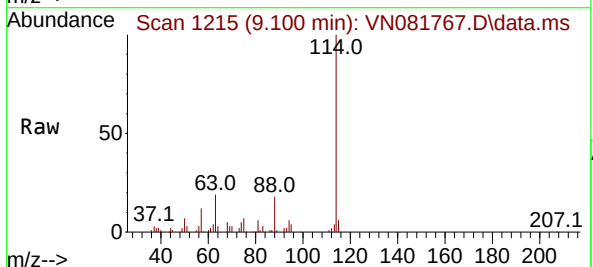
Dadoda

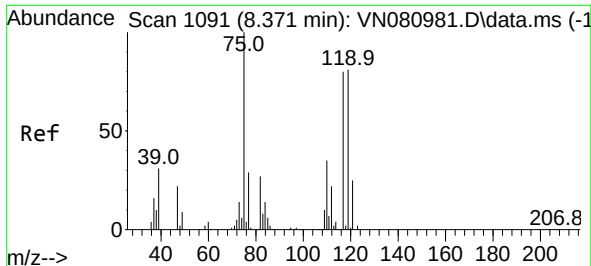
04/18/2024



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Tgt Ion:114 Resp: 115228  
Ion Ratio Lower Upper  
114 100  
63 20.2 15.9 23.9  
88 16.0 12.7 19.1





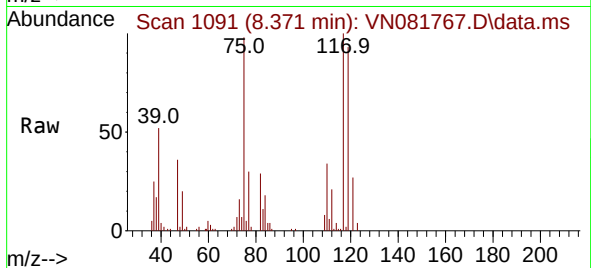
#29  
1,1-Dichloropropene  
Concen: 19.806 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. -0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020



|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 5999  |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 110 34.8    | 0.0 70.2    |
| 77 31.9     | 0.0 61.4    |

Manual Integrations

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Reviewed By :John

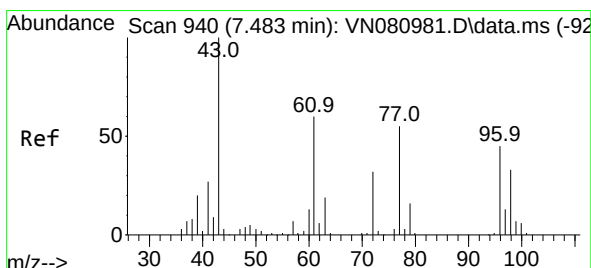
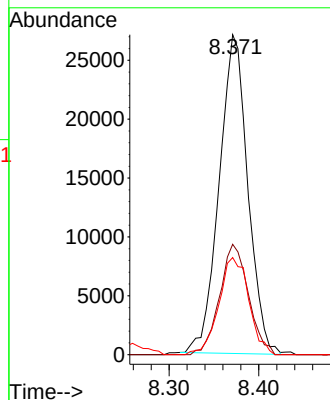
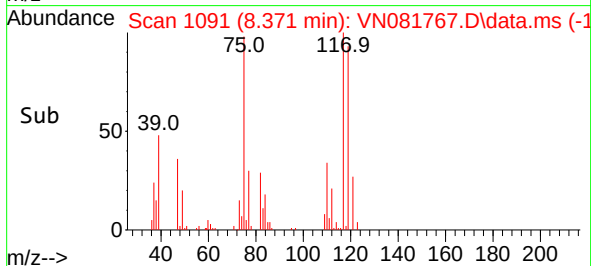
Carlone

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Supervised By :Mahesh

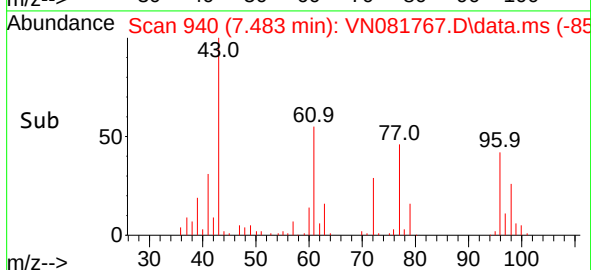
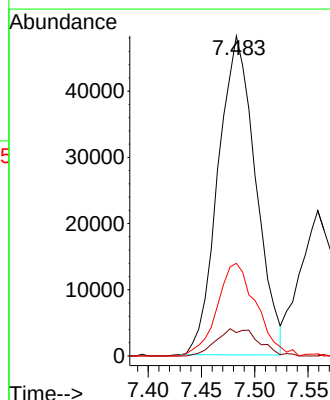
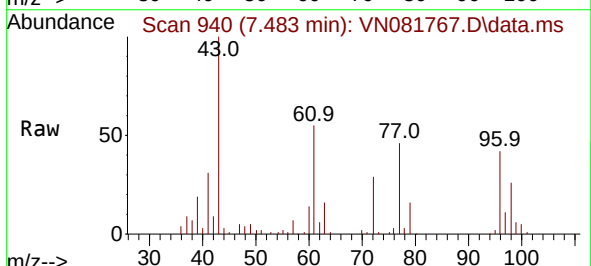
Dadoda

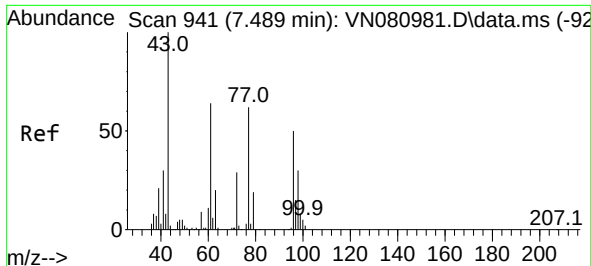
04/18/2024



#30  
2-Butanone  
Concen: 102.278 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

|             |              |
|-------------|--------------|
| Tgt Ion: 43 | Resp: 118329 |
| Ion Ratio   | Lower Upper  |
| 43 100      |              |
| 57 5.0      | 6.7 10.1     |
| 72 30.2     | 24.0 36.0    |





#31

2,2-Dichloropropane

Concen: 19.239 ug/l

RT: 7.494 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN081767.D

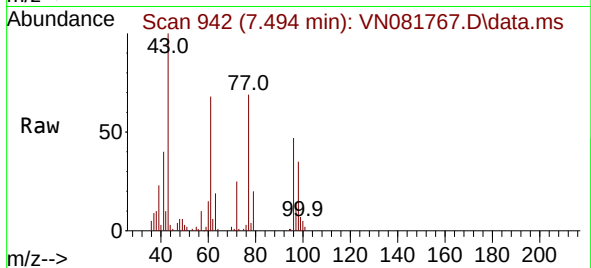
Acq: 17 Apr 2024 11:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020



Tgt Ion: 77 Resp: 72590

Ion Ratio Lower Upper

77 100

97 21.7 18.3 27.5

Manual Integrations

APPROVED

Reviewed By :John

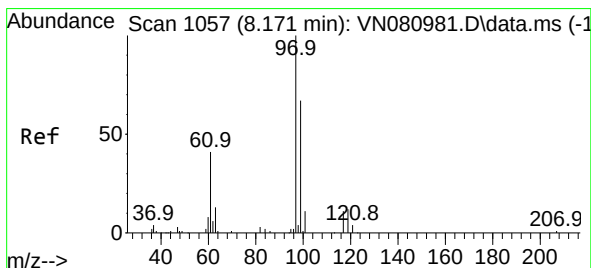
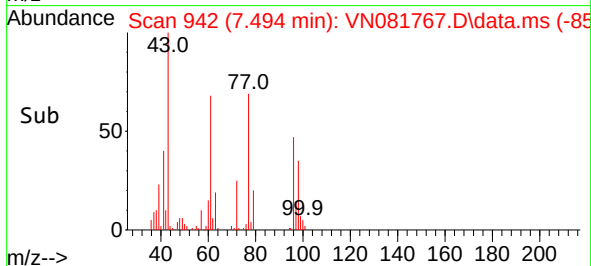
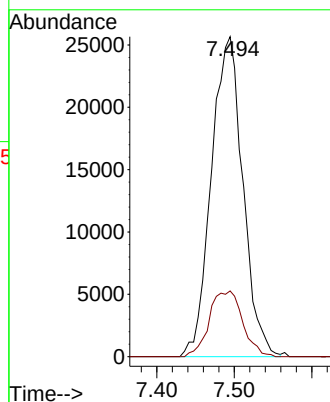
Carlone

04/18/2024

Supervised By :Mahesh

Dadoda

04/18/2024



#32

1,1,1-Trichloroethane

Concen: 20.337 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN081767.D

Acq: 17 Apr 2024 11:28

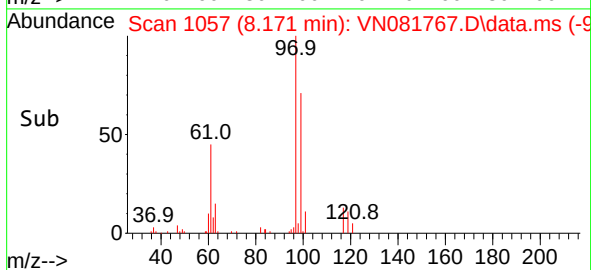
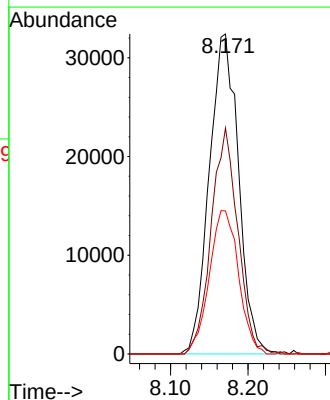
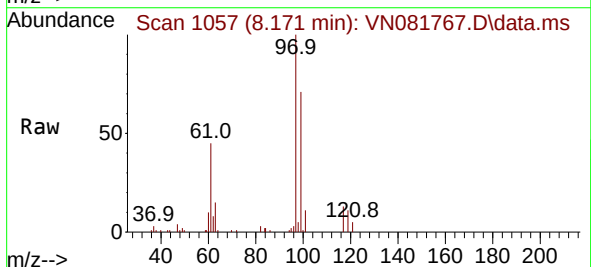
Tgt Ion: 97 Resp: 84908

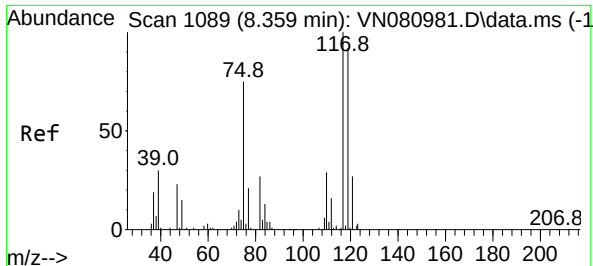
Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.4

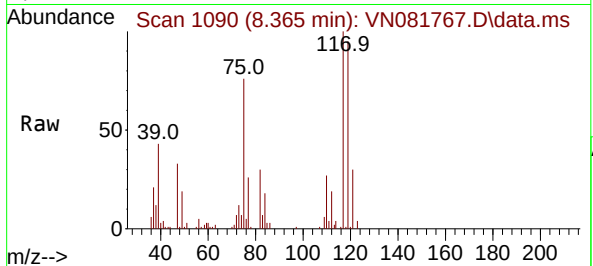
61 44.9 33.8 50.8





#33  
Carbon Tetrachloride  
Concen: 19.763 ug/l  
RT: 8.365 min Scan# 1109  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

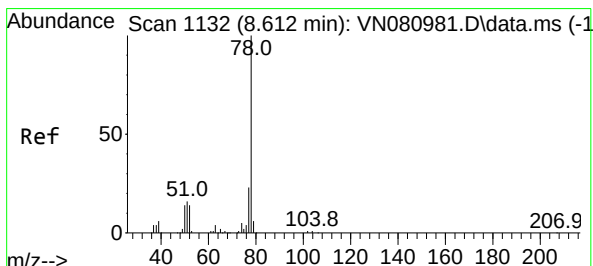
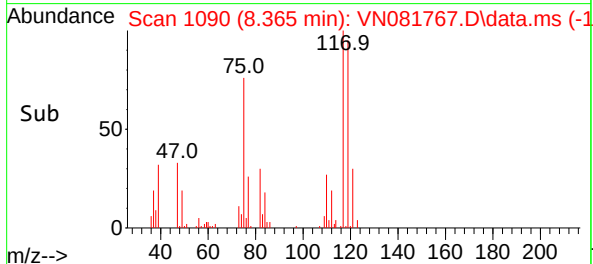
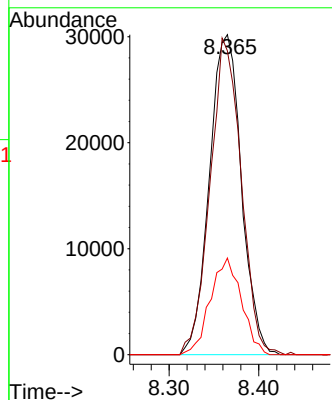


Tgt Ion: 117 Resp: 74792  
Ion Ratio Lower Upper  
117 100  
119 95.0 77.7 116.5  
121 30.2 27.0 40.6

Manual Integrations  
APPROVED

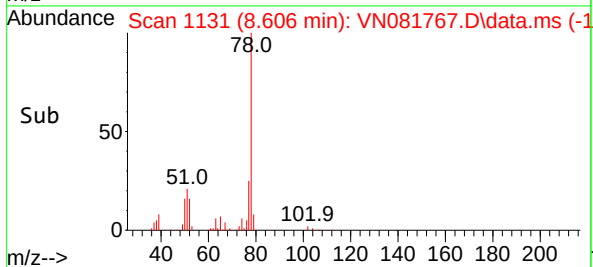
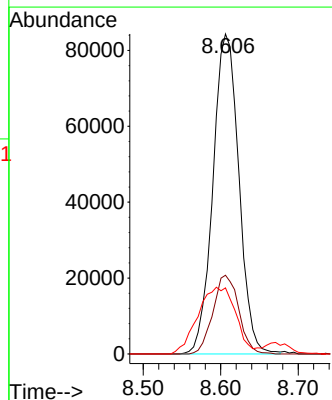
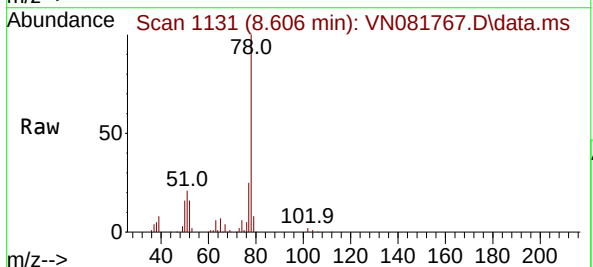
Reviewed By :John  
Carlone  
04/18/2024

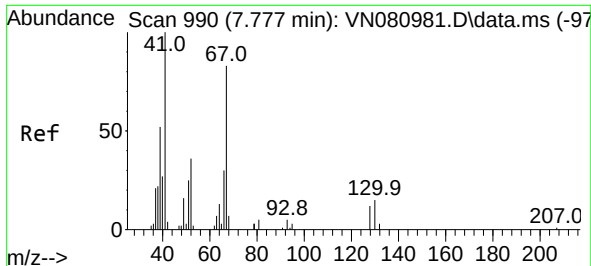
Supervised By :Mahesh  
Dadoda  
04/18/2024



#34  
Benzene  
Concen: 20.097 ug/l  
RT: 8.606 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

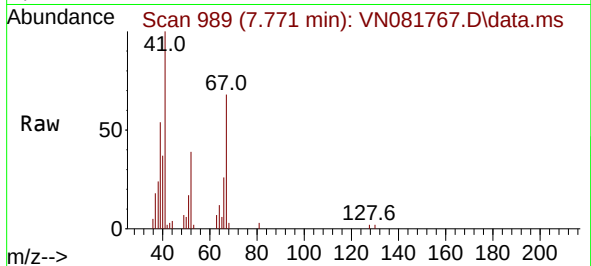
Tgt Ion: 78 Resp: 196122  
Ion Ratio Lower Upper  
78 100  
77 24.6 19.2 28.8  
51 18.5 13.3 19.9





#35  
Methacrylonitrile  
Concen: 21.124 ug/l  
RT: 7.771 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

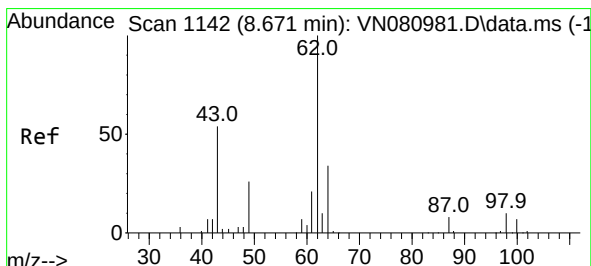
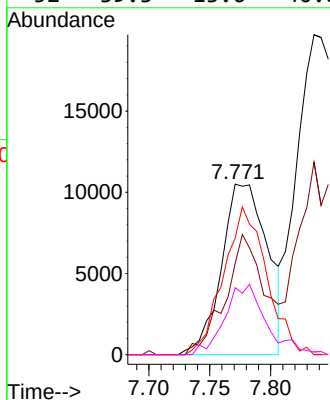
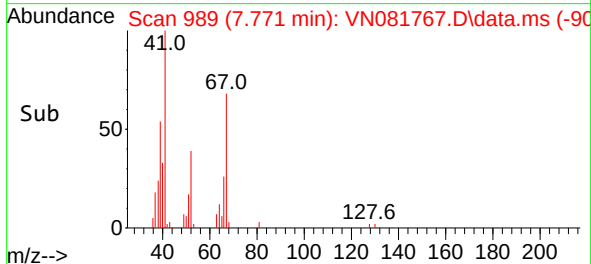


Tgt Ion: 41 Resp: 2768  
Ion Ratio Lower Upper  
41 100  
39 53.6 25.3 75.9  
67 68.4 38.7 116.1  
52 39.3 13.6 40.8

Manual Integrations  
APPROVED

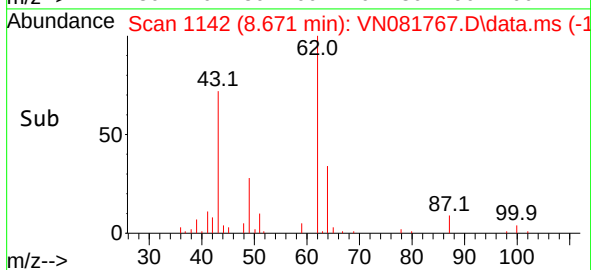
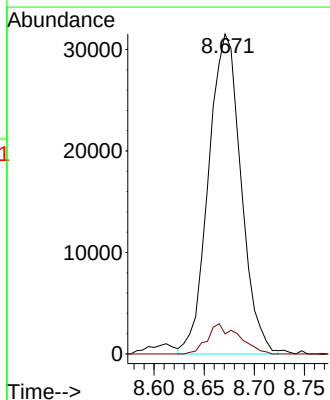
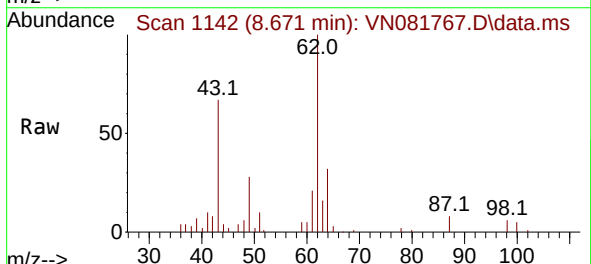
Reviewed By :John  
Carlone  
04/18/2024

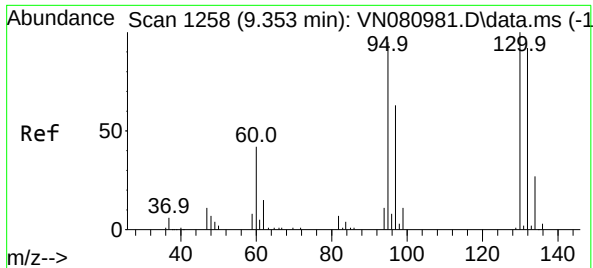
Supervised By :Mahesh  
Dadoda  
04/18/2024



#36  
1,2-Dichloroethane  
Concen: 22.247 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

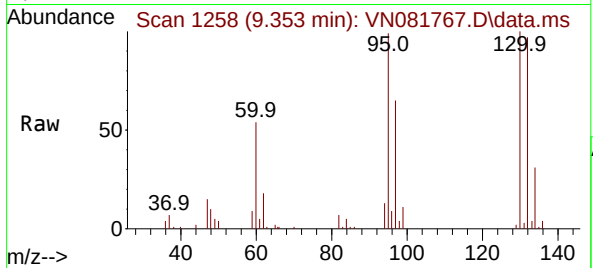
Tgt Ion: 62 Resp: 71210  
Ion Ratio Lower Upper  
62 100  
98 5.1 8.2 12.4#





#37  
Trichloroethene  
Concen: 18.551 ug/l  
RT: 9.353 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

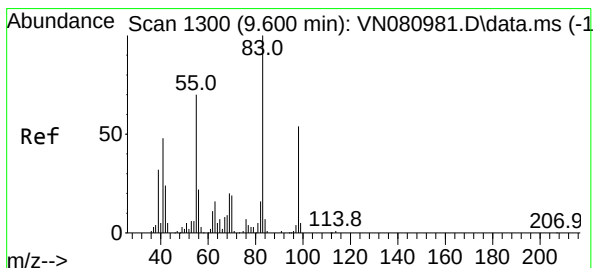
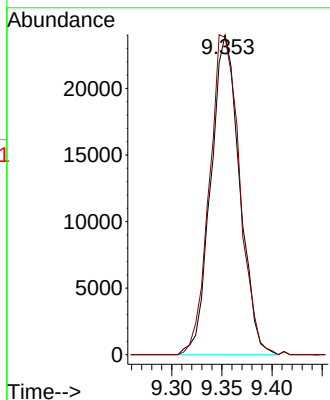


Tgt Ion:130 Resp: 47904  
Ion Ratio Lower Upper  
130 100  
95 99.3 80.2 120.4

Manual Integrations  
**APPROVED**

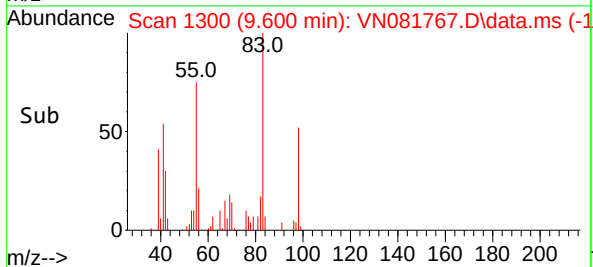
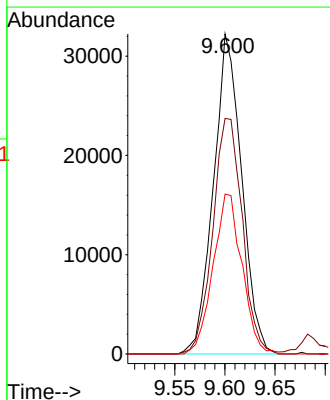
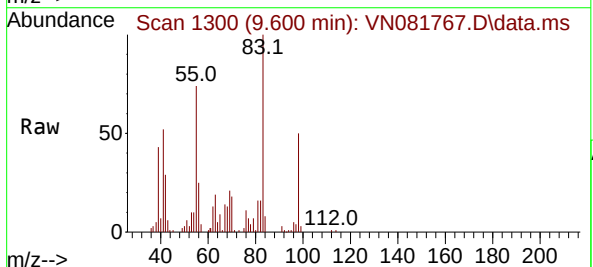
Reviewed By :John  
Carlone  
04/18/2024

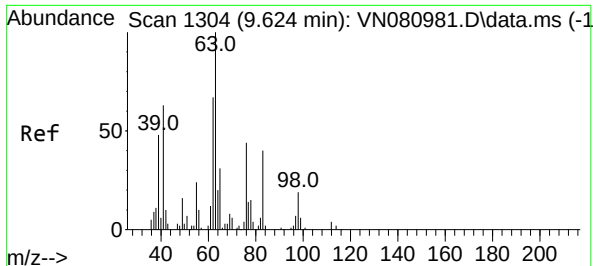
Supervised By :Mahesh  
Dadoda  
04/18/2024



#38  
Methylcyclohexane  
Concen: 17.058 ug/l  
RT: 9.600 min Scan# 1300  
Delta R.T. -0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Tgt Ion: 83 Resp: 63160  
Ion Ratio Lower Upper  
83 100  
55 76.6 36.6 109.9  
98 51.1 23.8 71.5





#39  
1,2-Dichloropropane  
Concen: 21.570 ug/l  
RT: 9.618 min Scan# 1303  
Delta R.T. -0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 4910  
Ion Ratio Lower Upper  
63 100  
65 29.9 25.0 37.4

Manual Integrations  
APPROVED

Reviewed By :John

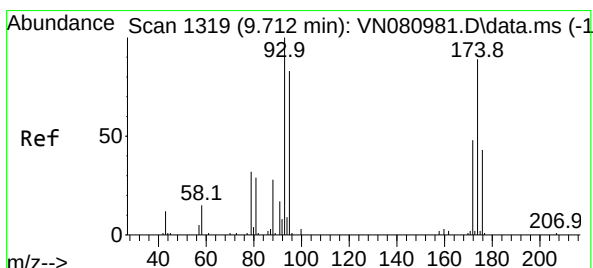
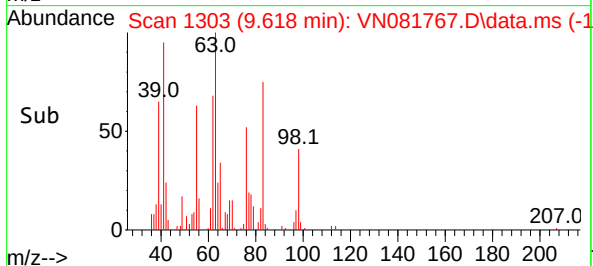
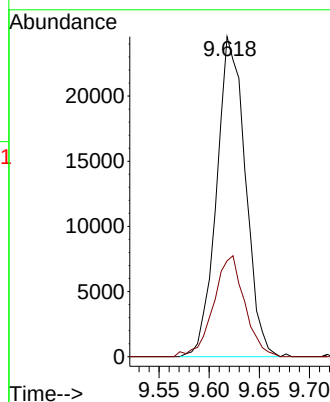
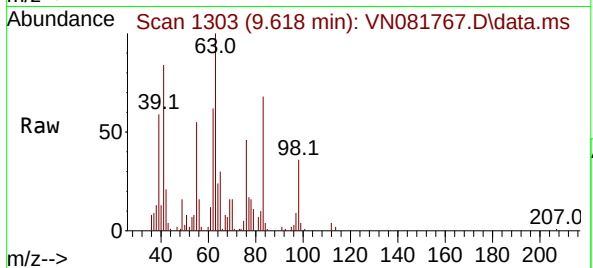
Carlone

04/18/2024

Supervised By :Mahesh

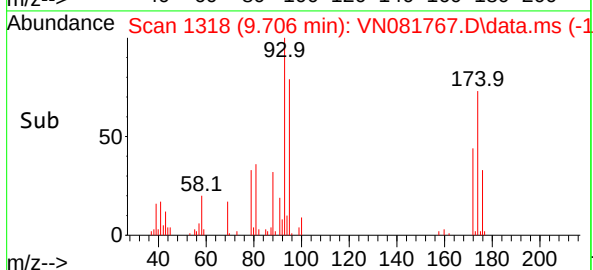
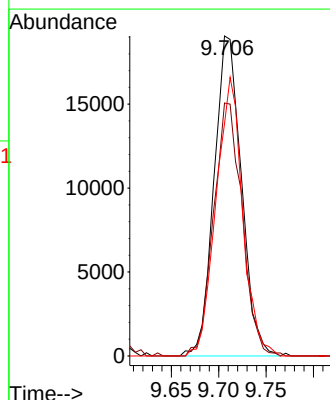
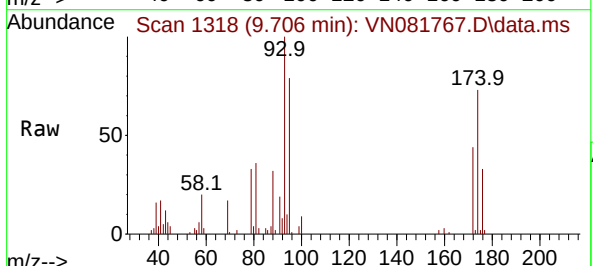
Dadoda

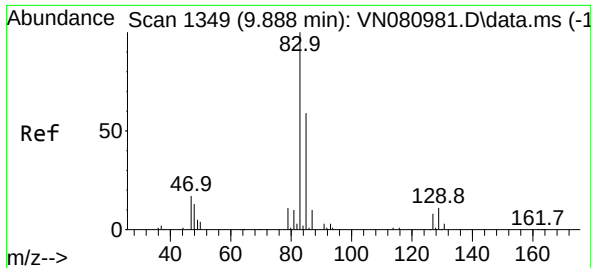
04/18/2024



#40  
Dibromomethane  
Concen: 21.054 ug/l  
RT: 9.706 min Scan# 1318  
Delta R.T. -0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Tgt Ion: 93 Resp: 38182  
Ion Ratio Lower Upper  
93 100  
95 82.2 0.0 164.6  
174 84.7 0.0 193.2





#41  
Bromodichloromethane  
Concen: 21.437 ug/l  
RT: 9.888 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

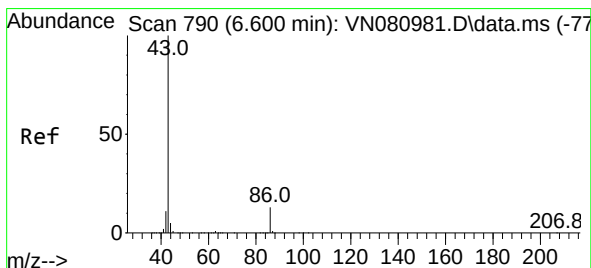
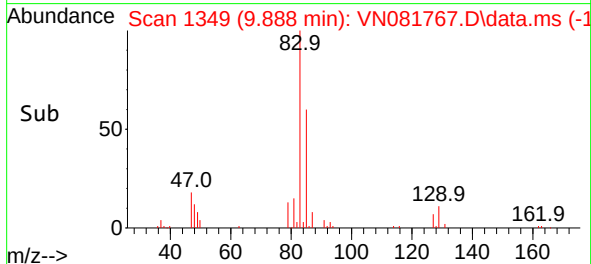
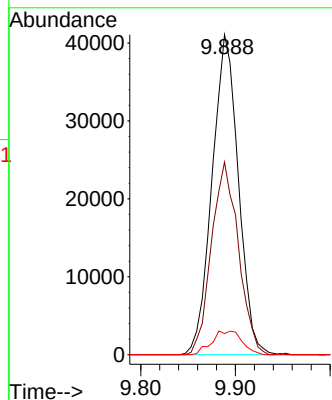
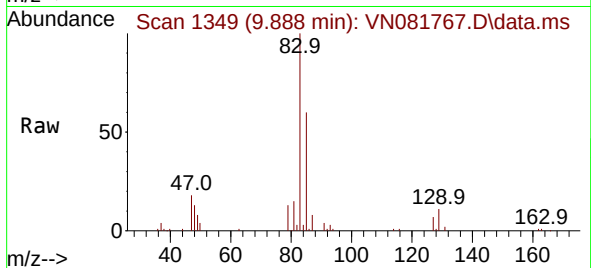
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 83 Resp: 79270  
Ion Ratio Lower Upper  
83 100  
85 60.2 49.4 74.2  
127 6.6 7.3 10.9

Manual Integrations  
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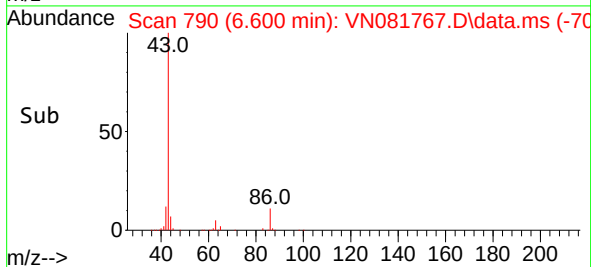
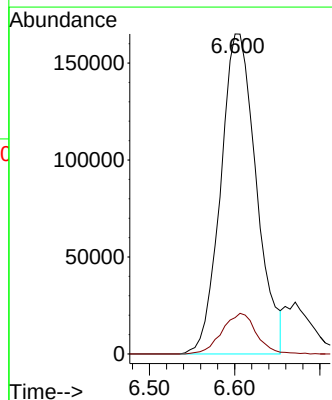
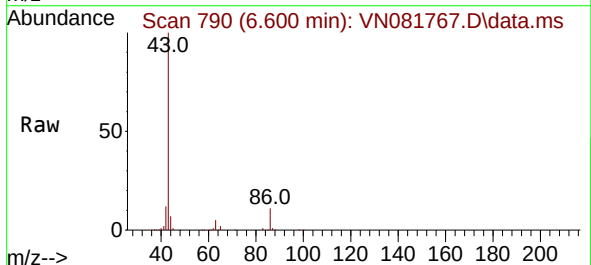
Reviewed By :John  
Carlone  
04/18/2024

Supervised By :Mahesh  
Dadoda  
04/18/2024

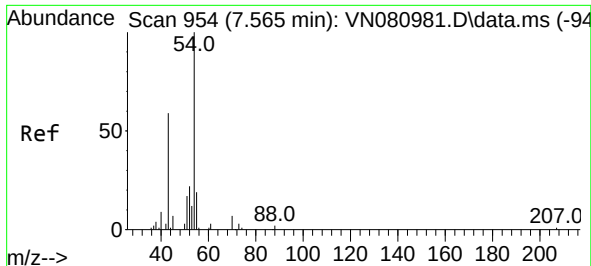


#42  
Vinyl Acetate  
Concen: 99.702 ug/l  
RT: 6.600 min Scan# 790  
Delta R.T. -0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Tgt Ion: 43 Resp: 480523  
Ion Ratio Lower Upper  
43 100  
86 12.2 9.4 14.2

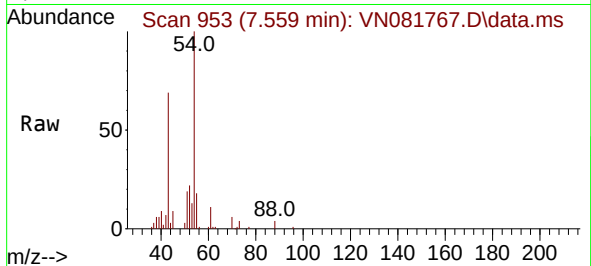






#43  
Ethyl Acetate  
Concen: 20.929 ug/l  
RT: 7.559 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

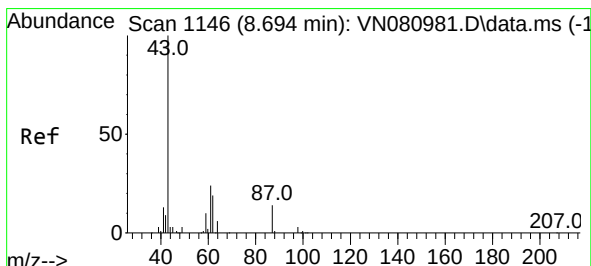
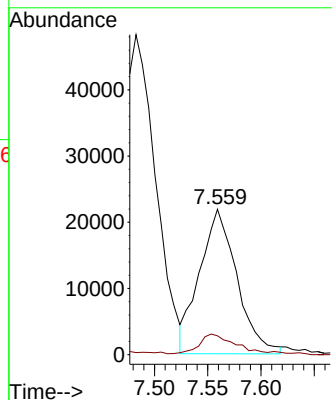
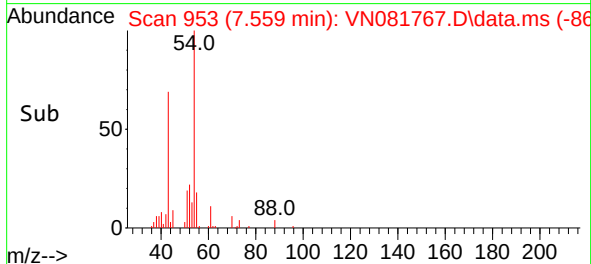


Tgt Ion: 43 Resp: 53364  
Ion Ratio Lower Upper  
43 100  
45 13.9 10.6 15.8

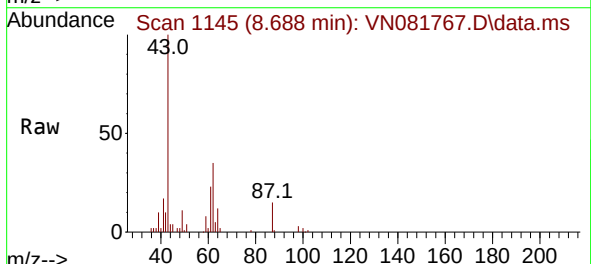
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone  
04/18/2024

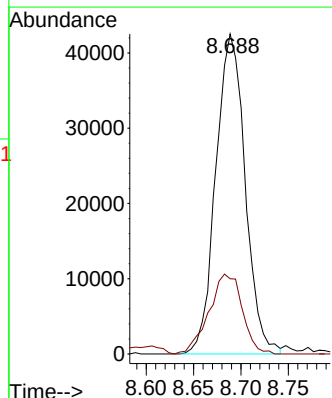
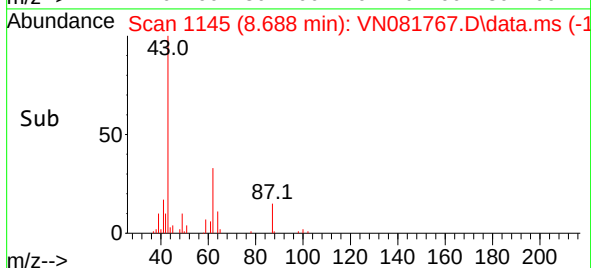
Supervised By :Mahesh  
Dadoda  
04/18/2024

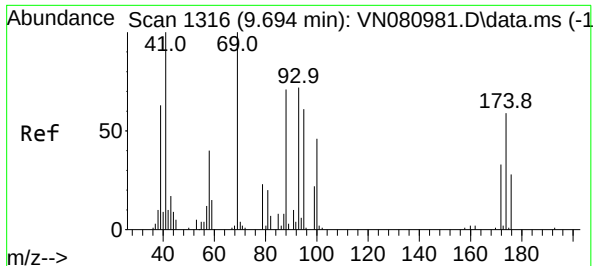


#44  
Isopropyl Acetate  
Concen: 21.494 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28



Tgt Ion: 43 Resp: 91830  
Ion Ratio Lower Upper  
43 100  
61 28.2 25.0 37.4





#45

1,4-Dioxane

Concen: 397.421 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN081767.D

Acq: 17 Apr 2024 11:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

|             |                |
|-------------|----------------|
| Tgt Ion: 88 | Resp: 1874     |
| Ion Ratio   | Lower Upper    |
| 88          | 100            |
| 43          | 17.7 19.8 29.6 |
| 58          | 67.8 55.4 83.0 |

Manual Integrations

APPROVED

Reviewed By :John

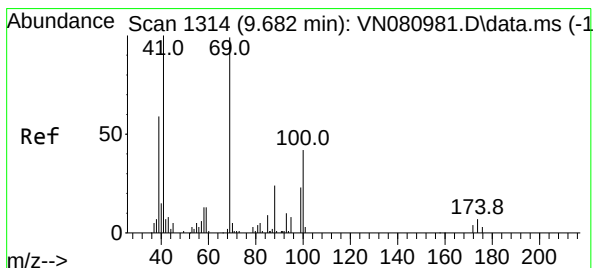
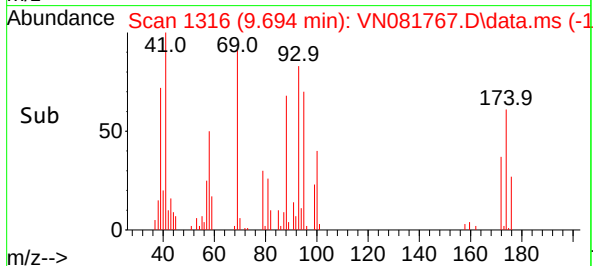
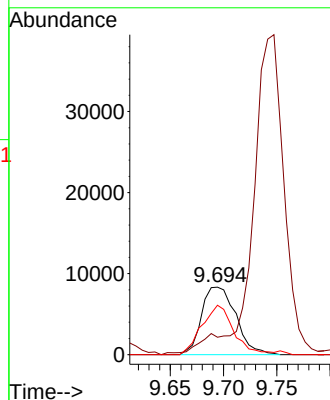
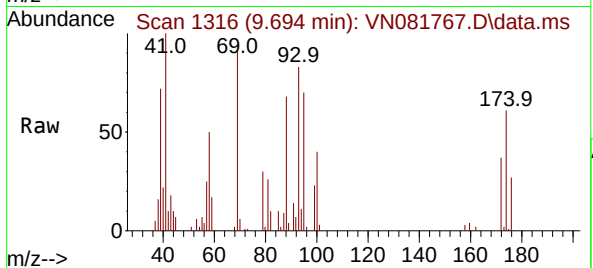
Carlone

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Supervised By :Mahesh

Dadoda

04/18/2024



#46

Methyl methacrylate

Concen: 20.955 ug/l

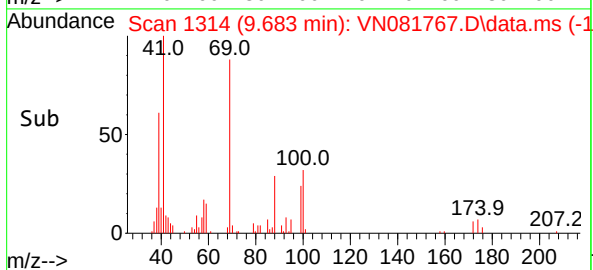
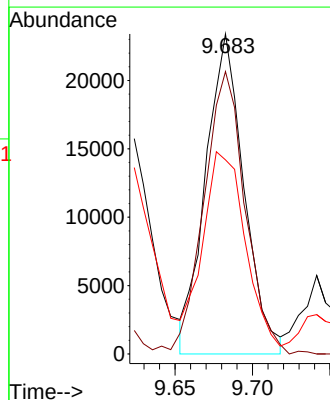
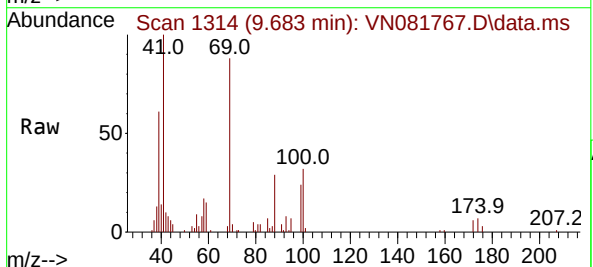
RT: 9.683 min Scan# 1314

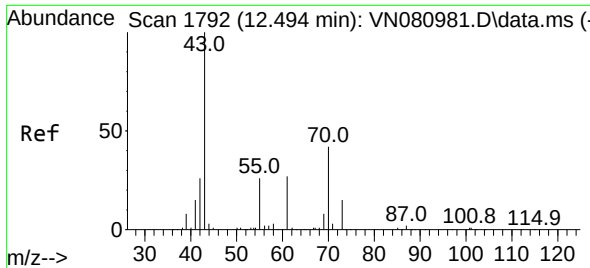
Delta R.T. 0.000 min

Lab File: VN081767.D

Acq: 17 Apr 2024 11:28

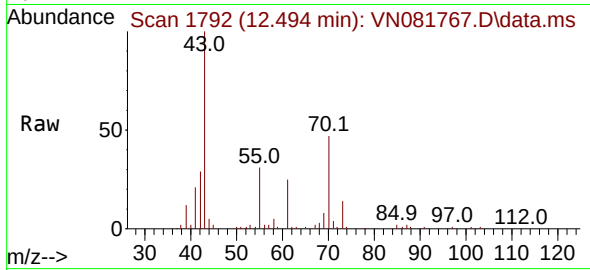
|             |                 |
|-------------|-----------------|
| Tgt Ion: 41 | Resp: 40259     |
| Ion Ratio   | Lower Upper     |
| 41          | 100             |
| 69          | 90.1 51.1 153.3 |
| 39          | 61.4 25.8 77.3  |





#47  
n-amy1 Acetate  
Concen: 21.171 ug/l  
RT: 12.494 min Scan# 1792  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

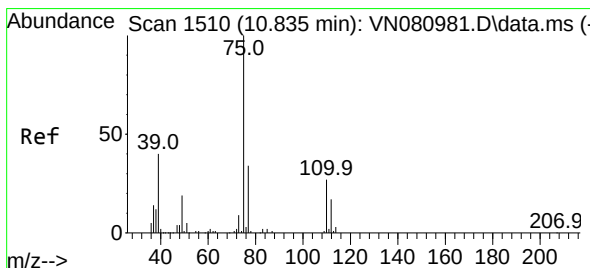
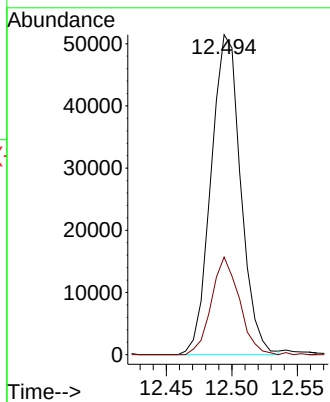
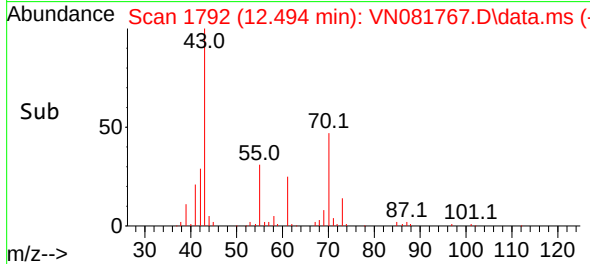


Tgt Ion: 43 Resp: 81160  
Ion Ratio Lower Upper  
43 100  
55 28.6 23.4 35.2

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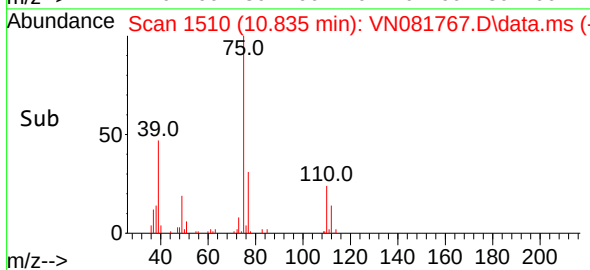
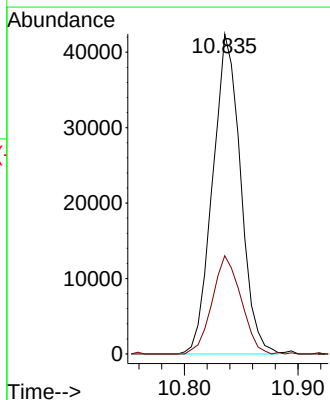
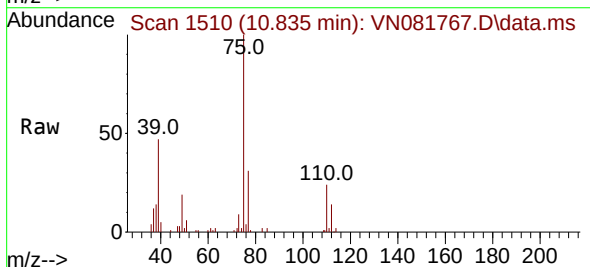
Reviewed By :John  
Carlone  
04/18/2024

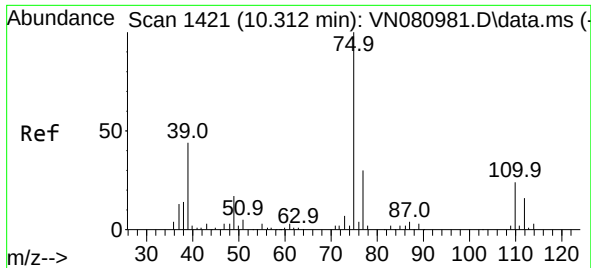
Supervised By :Mahesh  
Dadoda  
04/18/2024



#48  
t-1,3-Dichloropropene  
Concen: 20.539 ug/l  
RT: 10.835 min Scan# 1510  
Delta R.T. -0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

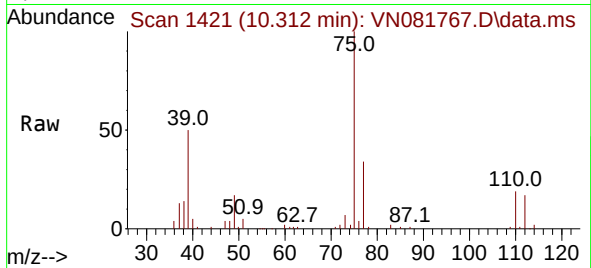
Tgt Ion: 75 Resp: 72364  
Ion Ratio Lower Upper  
75 100  
77 30.7 23.8 35.6





#49  
cis-1,3-Dichloropropene  
Concen: 20.026 ug/l  
RT: 10.312 min Scan# 1421  
Delta R.T. -0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

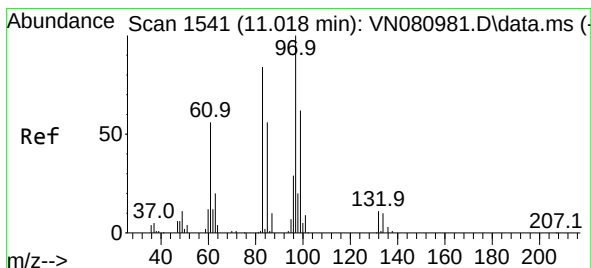
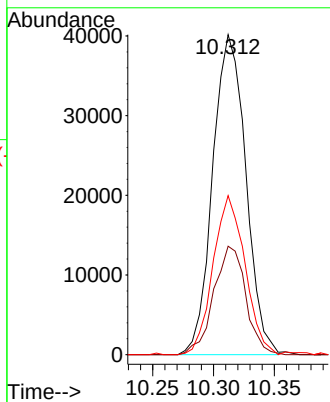
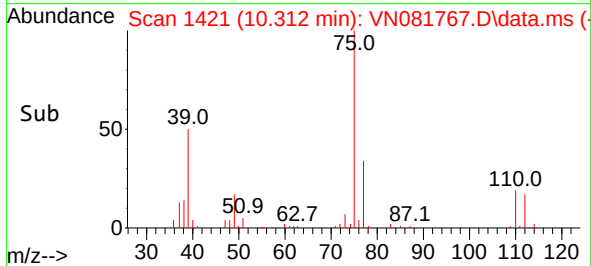


Tgt Ion: 75 Resp: 75984  
Ion Ratio Lower Upper  
75 100  
77 33.9 24.9 37.3  
39 49.7 31.0 46.6

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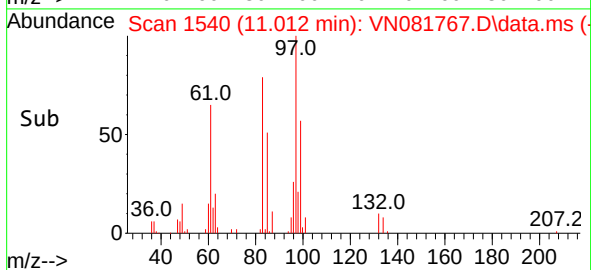
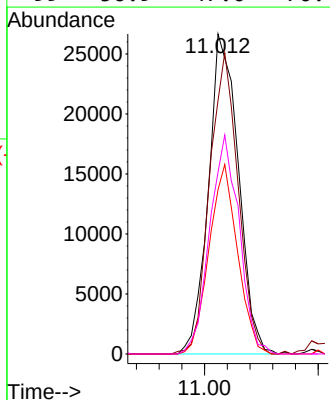
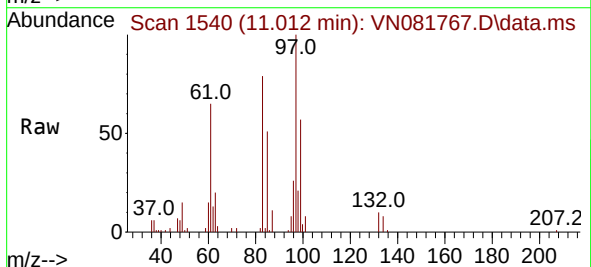
Reviewed By :John  
Carlone  
04/18/2024

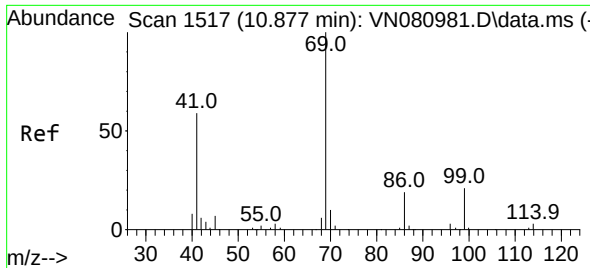
Supervised By :Mahesh  
Dadoda  
04/18/2024



#50  
1,1,2-Trichloroethane  
Concen: 20.133 ug/l  
RT: 11.012 min Scan# 1540  
Delta R.T. -0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Tgt Ion: 97 Resp: 48888  
Ion Ratio Lower Upper  
97 100  
83 79.3 68.1 102.1  
85 51.3 41.8 62.6  
99 56.9 47.0 70.4





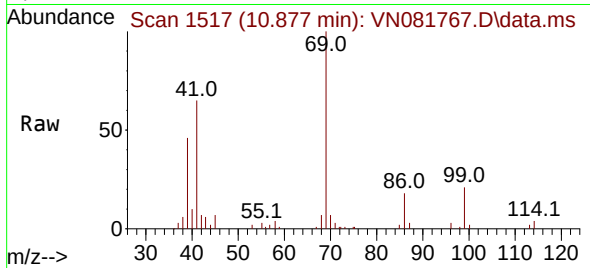
#51  
Ethyl methacrylate  
Concen: 18.733 ug/l  
RT: 10.877 min Scan# 1517  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020



Tgt Ion: 69 Resp: 63339  
Ion Ratio Lower Upper  
69 100  
41 65.3 25.5 76.5  
39 44.7 16.0 47.9

Manual Integrations

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Reviewed By :John

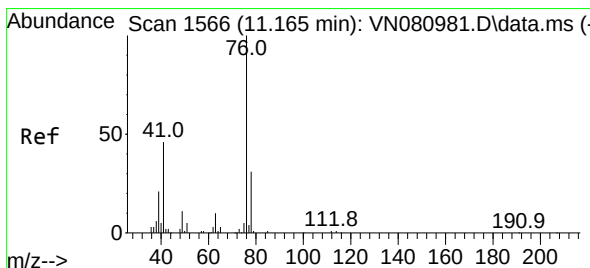
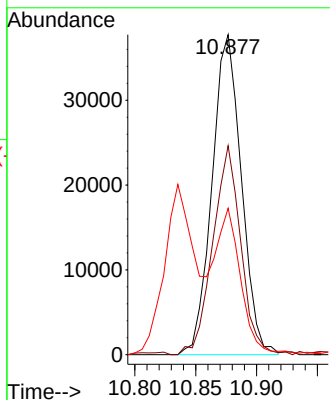
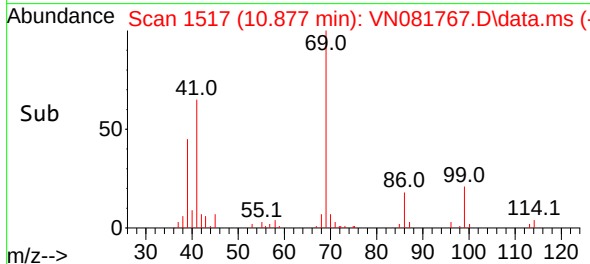
Carlone

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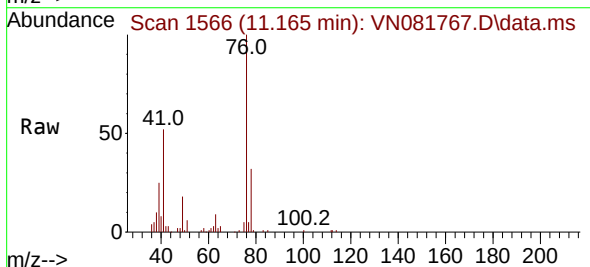
Supervised By :Mahesh

Dadoda

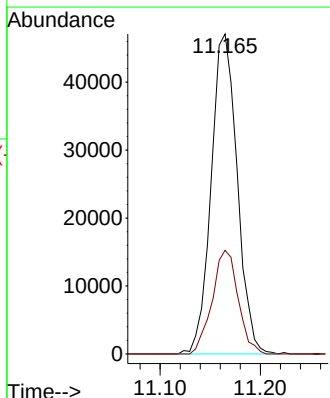
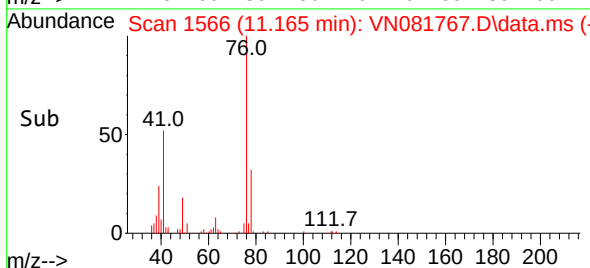
04/18/2024

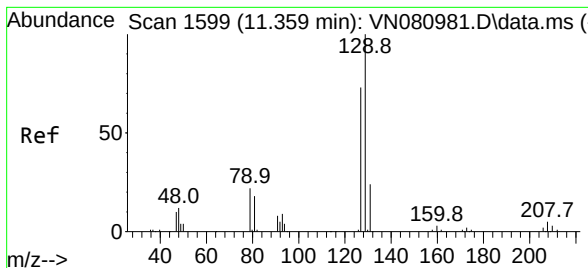


#52  
1,3-Dichloropropane  
Concen: 21.353 ug/l  
RT: 11.165 min Scan# 1566  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28



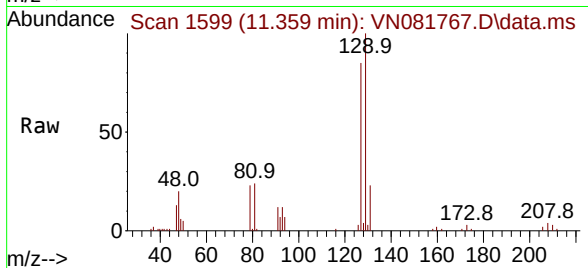
Tgt Ion: 76 Resp: 84991  
Ion Ratio Lower Upper  
76 100  
78 32.3 0.0 65.8





#53  
Dibromochloromethane  
Concen: 20.663 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

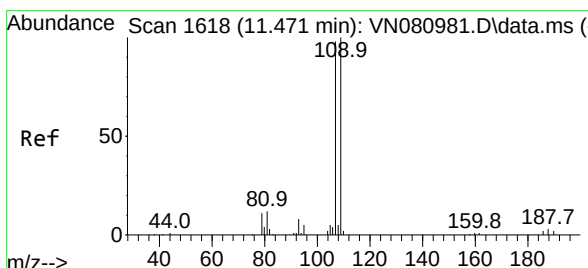
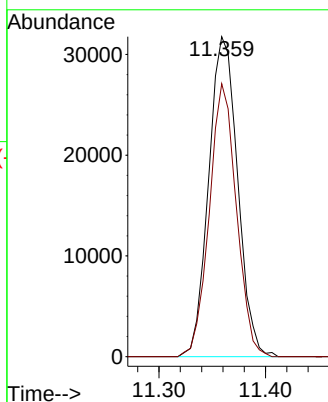
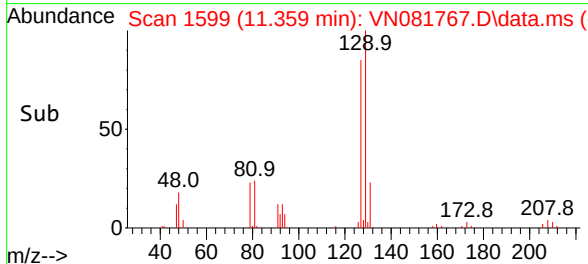


Tgt Ion:129 Resp: 59938  
Ion Ratio Lower Upper  
129 100  
127 79.8 39.4 118.1

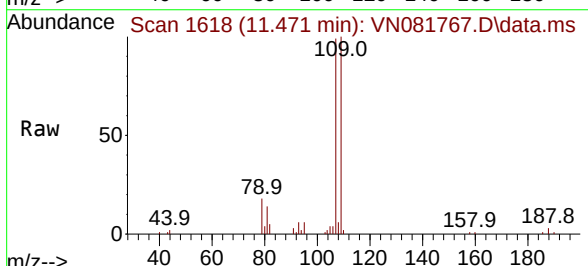
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone  
04/18/2024

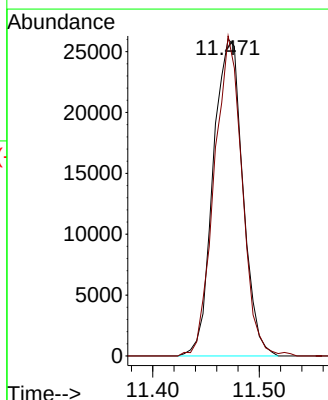
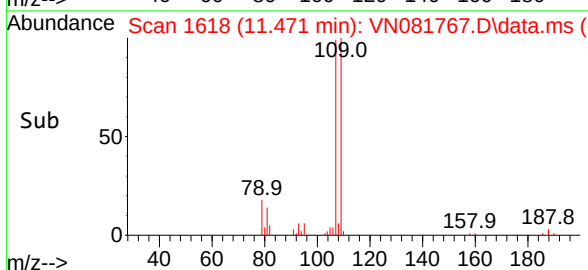
Supervised By :Mahesh  
Dadoda  
04/18/2024

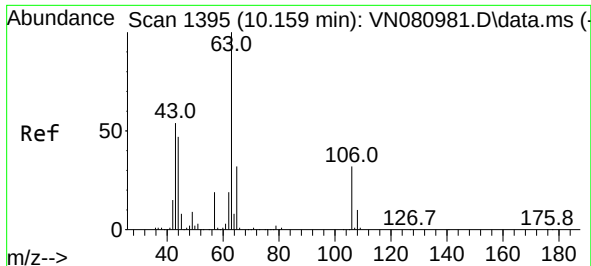


#54  
1,2-Dibromoethane  
Concen: 20.017 ug/l  
RT: 11.471 min Scan# 1618  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28



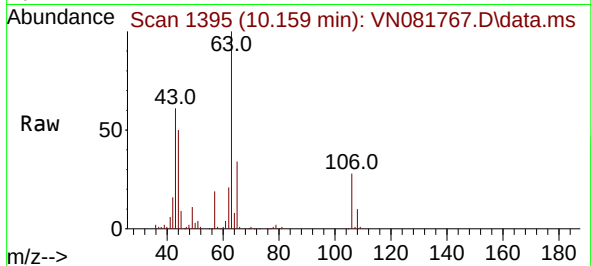
Tgt Ion:107 Resp: 50244  
Ion Ratio Lower Upper  
107 100  
109 94.8 74.7 112.1





#55  
2-Chloroethyl vinyl ether  
Concen: 112.610 ug/l  
RT: 10.159 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

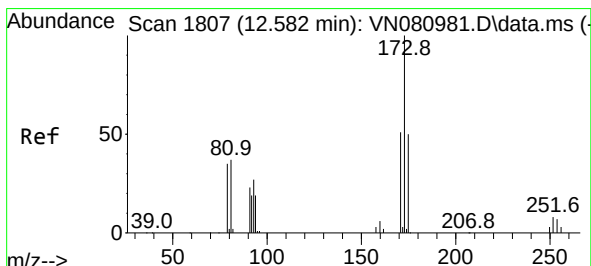
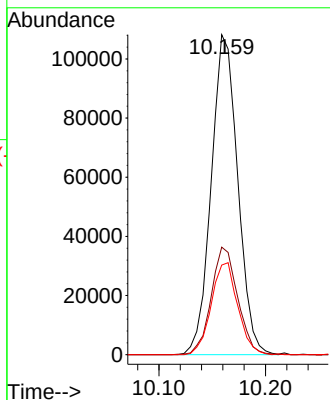
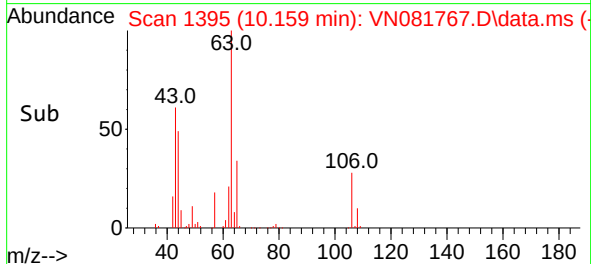


Tgt Ion: 63 Resp: 186979  
Ion Ratio Lower Upper  
63 100  
65 33.5 26.2 39.2  
106 28.7 23.8 35.8

Manual Integrations  
APPROVED

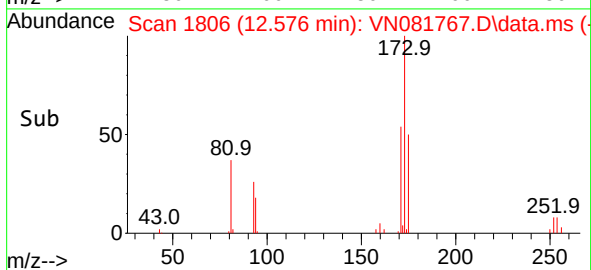
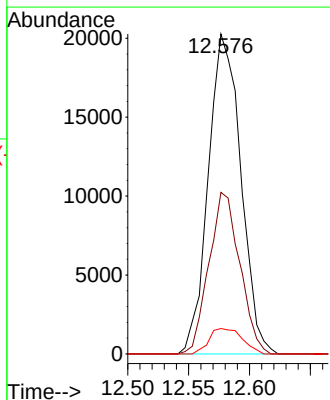
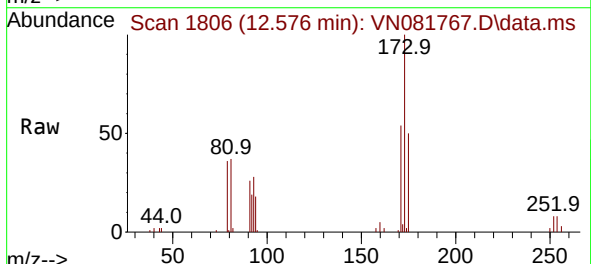
Reviewed By :John  
Carlone  
04/18/2024

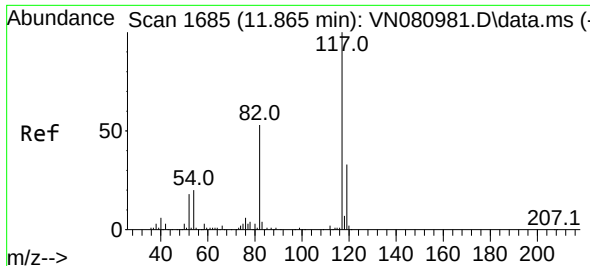
Supervised By :Mahesh  
Dadoda  
04/18/2024



#56  
Bromoform  
Concen: 20.298 ug/l  
RT: 12.576 min Scan# 1806  
Delta R.T. -0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

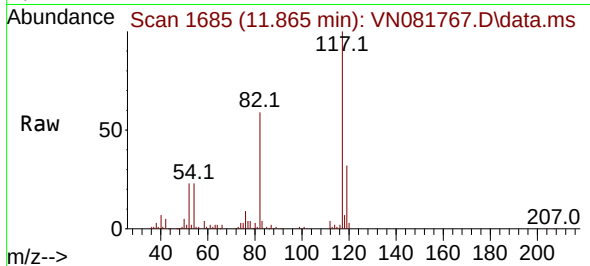
Tgt Ion:173 Resp: 37649  
Ion Ratio Lower Upper  
173 100  
175 48.0 40.0 60.0  
254 8.1 8.3 12.5#





#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

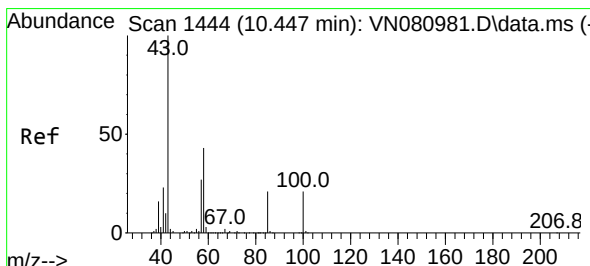
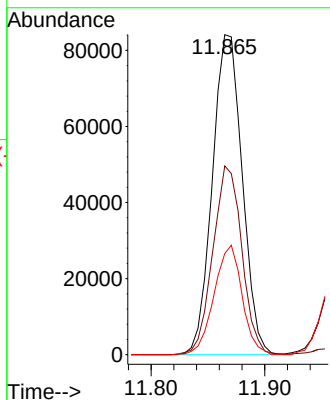
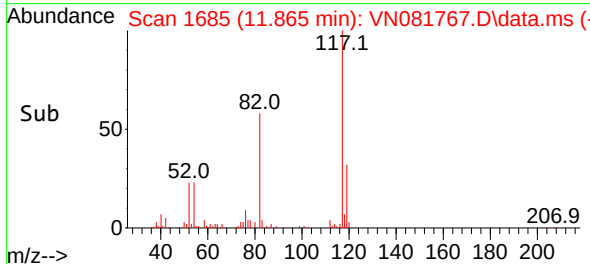


Tgt Ion: 117 Resp: 15370  
Ion Ratio Lower Upper  
117 100  
82 57.3 46.6 69.8  
119 32.1 25.4 38.2

Manual Integrations  
APPROVED

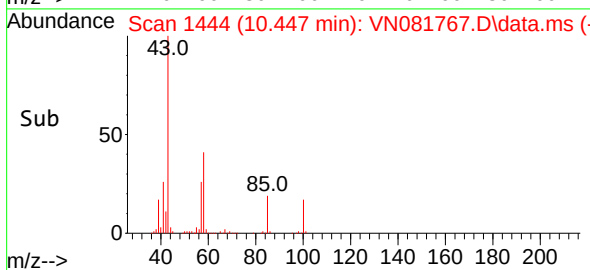
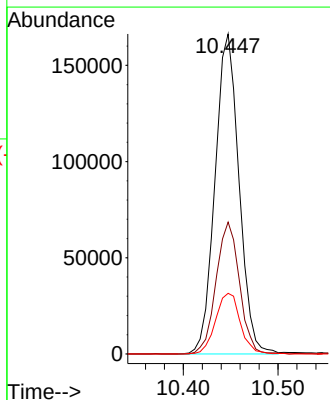
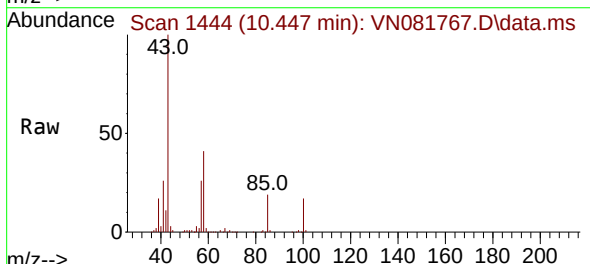
Reviewed By :John  
Carlone  
04/18/2024

Supervised By :Mahesh  
Dadoda  
04/18/2024

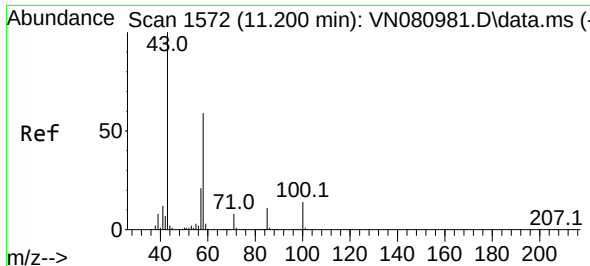


#58  
4-Methyl-2-Pentanone  
Concen: 110.820 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Tgt Ion: 43 Resp: 292931  
Ion Ratio Lower Upper  
43 100  
58 40.2 36.5 54.7  
85 19.5 19.5 29.3#

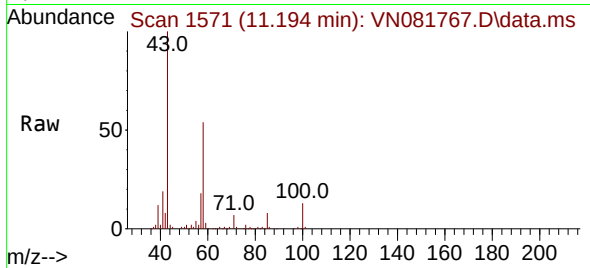






#59  
2-Hexanone  
Concen: 110.678 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. -0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

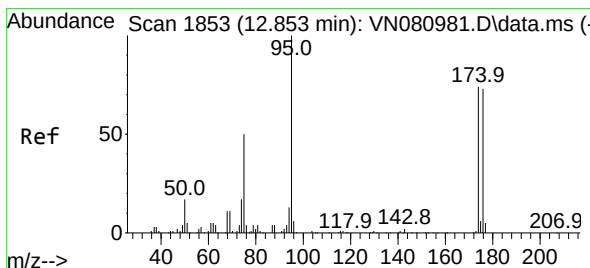
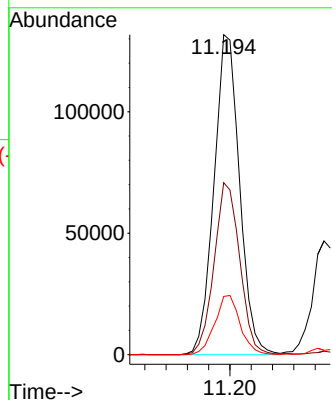
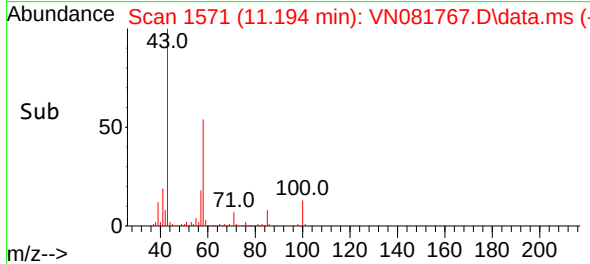


Tgt Ion: 43 Resp: 21971  
Ion Ratio Lower Upper  
43 100  
58 53.9 50.4 75.6  
57 18.4 18.6 27.8

Manual Integrations  
APPROVED

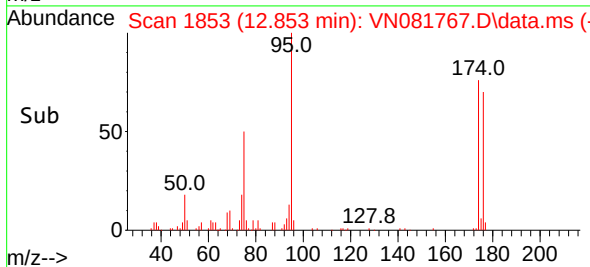
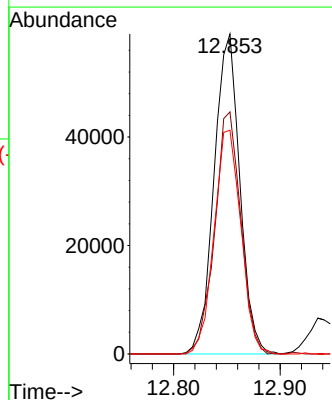
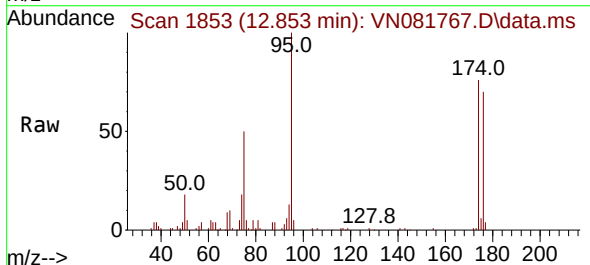
Reviewed By :John  
Carlone  
04/18/2024

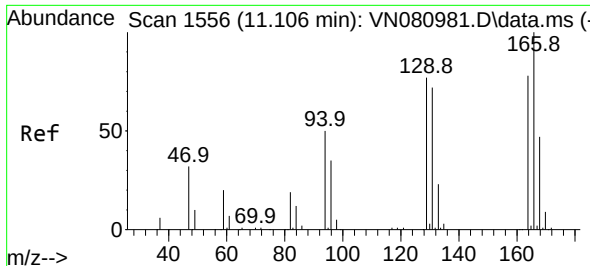
Supervised By :Mahesh  
Dadoda  
04/18/2024



#60  
4-Bromofluorobenzene  
Concen: 32.792 ug/l  
RT: 12.853 min Scan# 1853  
Delta R.T. 0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

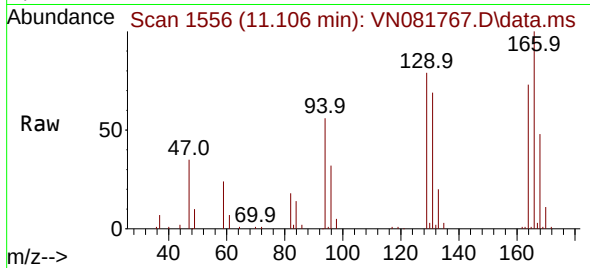
Tgt Ion: 95 Resp: 99096  
Ion Ratio Lower Upper  
95 100  
174 76.4 60.5 90.7  
176 72.8 57.8 86.6





#61  
Tetrachloroethene  
Concen: 19.421 ug/l  
RT: 11.106 min Scan# 1556  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

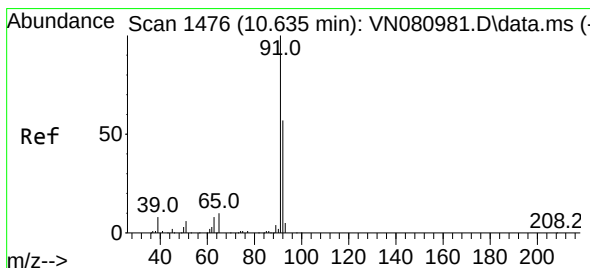
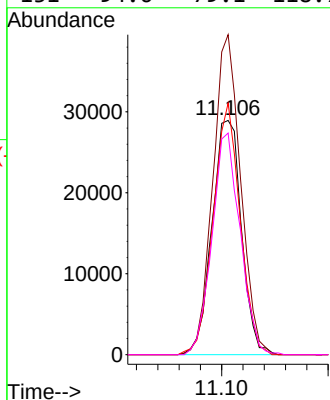


Tgt Ion:164 Resp: 5531  
Ion Ratio Lower Upper  
164 100  
166 136.6 106.7 160.1  
129 107.4 85.8 128.6  
131 94.6 79.1 118.7

Manual Integrations  
APPROVED

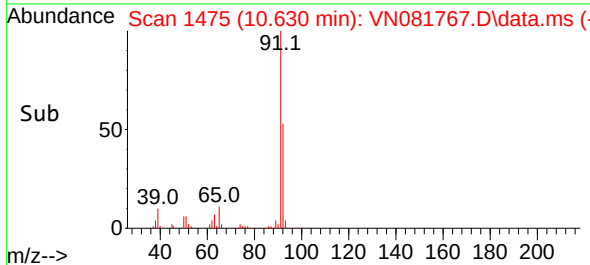
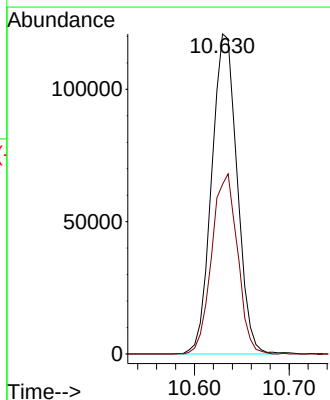
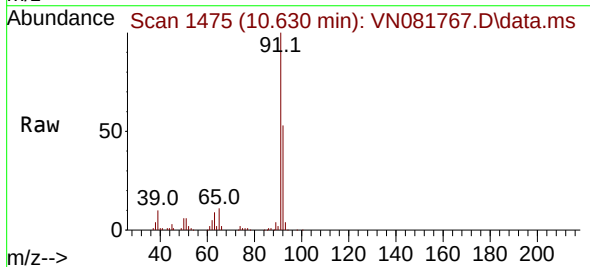
Reviewed By :John  
Carlone  
04/18/2024

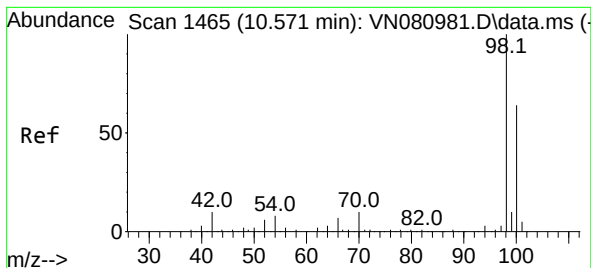
Supervised By :Mahesh  
Dadoda  
04/18/2024



#62  
Toluene  
Concen: 20.204 ug/l  
RT: 10.630 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Tgt Ion: 91 Resp: 225933  
Ion Ratio Lower Upper  
91 100  
92 56.9 46.5 69.7





#63

Toluene-d8

Concen: 32.429 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN081767.D

Acq: 17 Apr 2024 11:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 98 Resp: 19994

Ion Ratio Lower Upper

98 100

100 63.6 52.7 79.1

Manual Integrations

APPROVED

Reviewed By :John

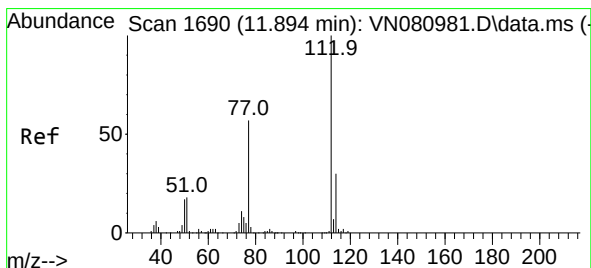
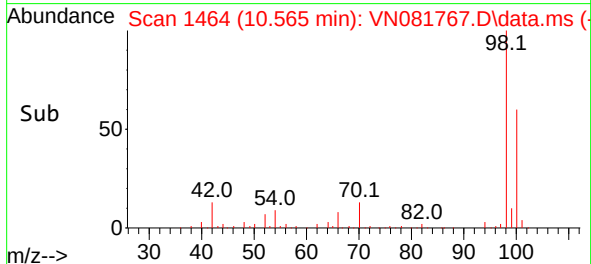
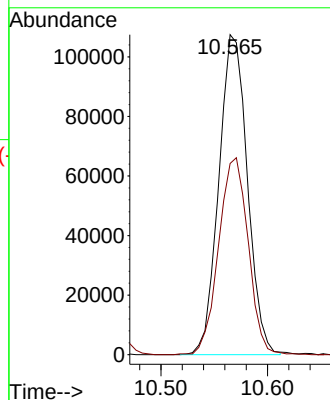
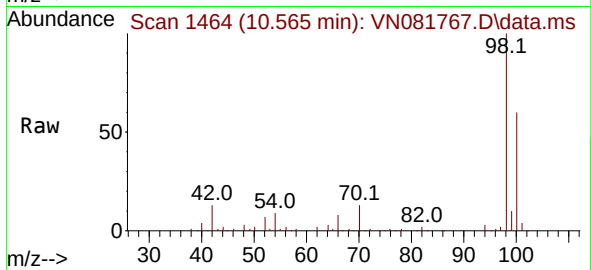
Carlone

04/18/2024

Supervised By :Mahesh

Dadoda

04/18/2024



#64

Chlorobenzene

Concen: 19.084 ug/l

RT: 11.894 min Scan# 1690

Delta R.T. 0.000 min

Lab File: VN081767.D

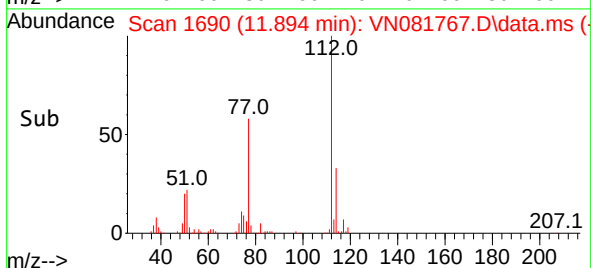
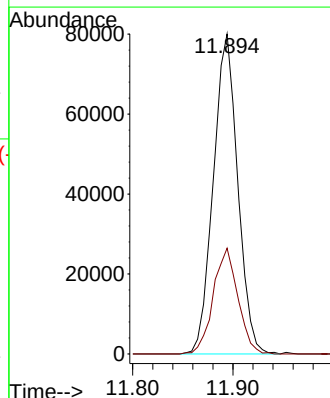
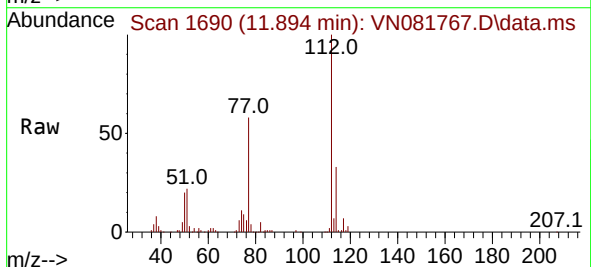
Acq: 17 Apr 2024 11:28

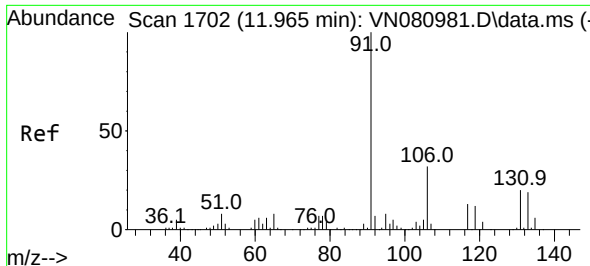
Tgt Ion:112 Resp: 135319

Ion Ratio Lower Upper

112 100

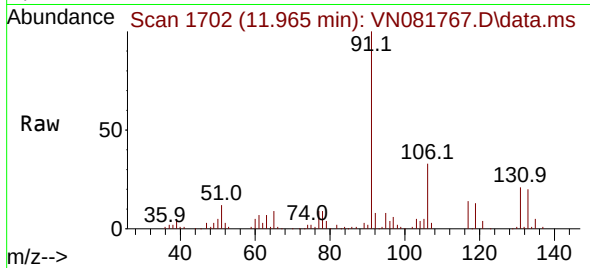
114 33.0 26.6 39.8





#65  
1,1,1,2-Tetrachloroethane  
Concen: 20.314 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

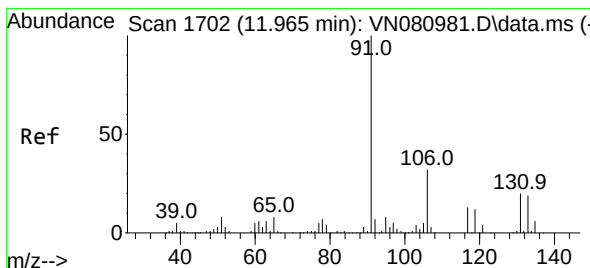
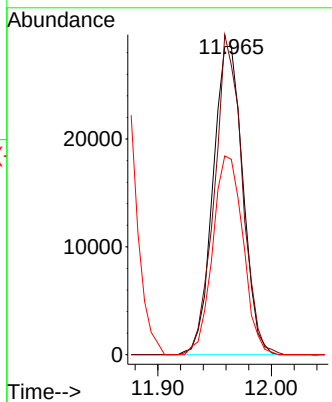
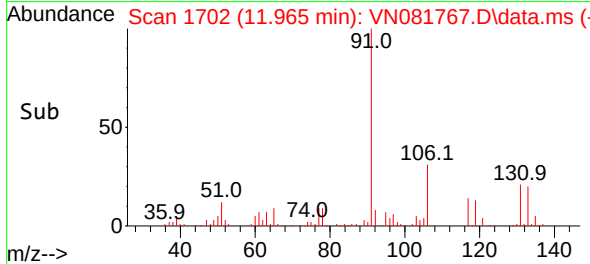


Tgt Ion:131 Resp: 52324  
Ion Ratio Lower Upper  
131 100  
133 96.2 0.0 188.0  
119 65.3 0.0 122.8

Manual Integrations  
APPROVED

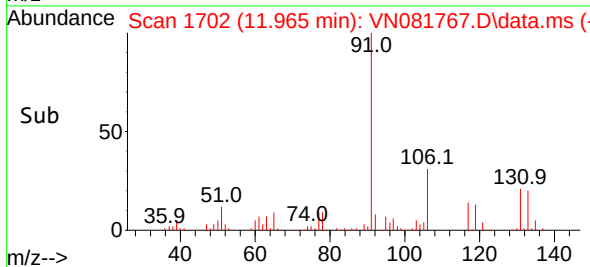
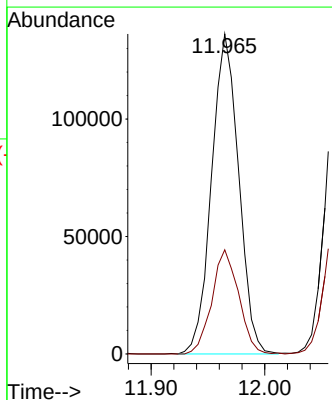
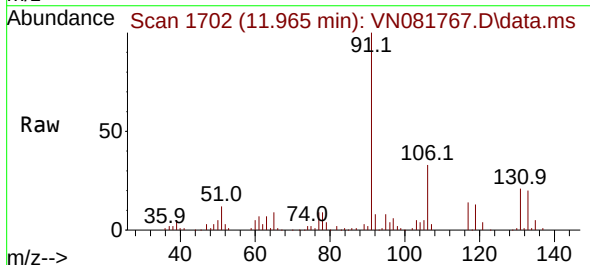
Reviewed By :John  
Carlone  
04/18/2024

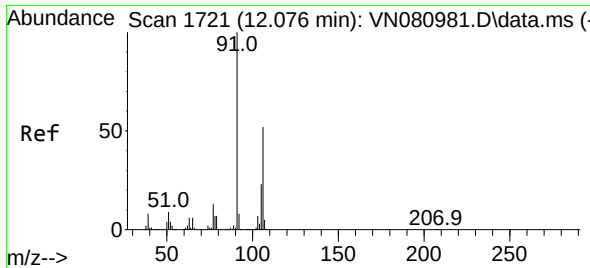
Supervised By :Mahesh  
Dadoda  
04/18/2024



#66  
Ethyl Benzene  
Concen: 18.995 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

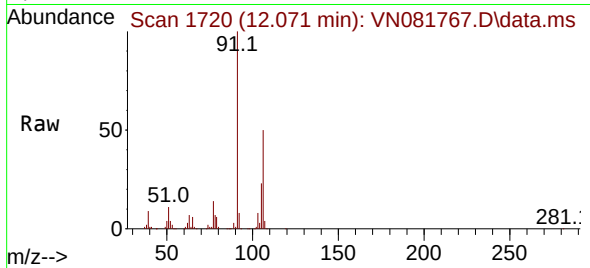
Tgt Ion: 91 Resp: 225843  
Ion Ratio Lower Upper  
91 100  
106 32.6 24.4 36.6





#67  
m/p-Xylenes  
Concen: 40.295 ug/l  
RT: 12.071 min Scan# 1721  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

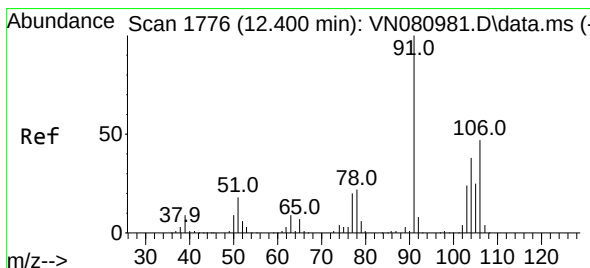
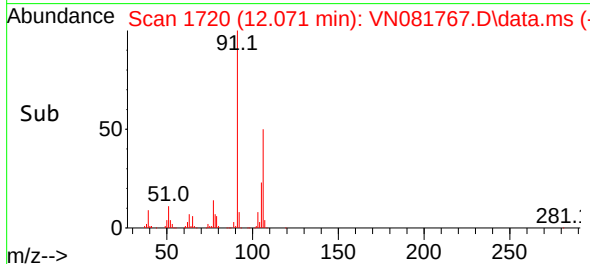
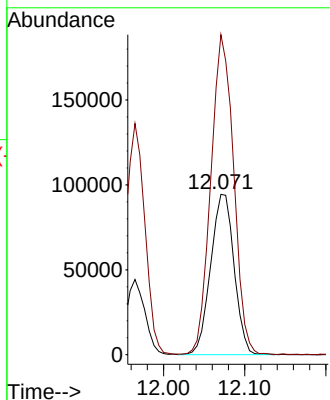


Tgt Ion:106 Resp: 189769  
Ion Ratio Lower Upper  
106 100  
91 194.0 166.6 249.8

Manual Integrations  
APPROVED

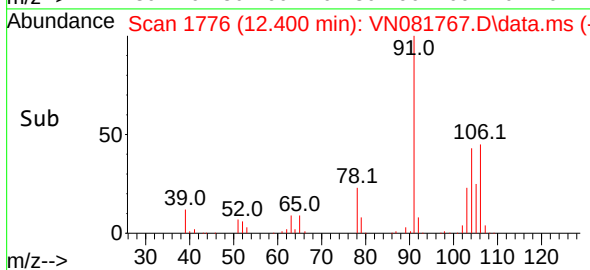
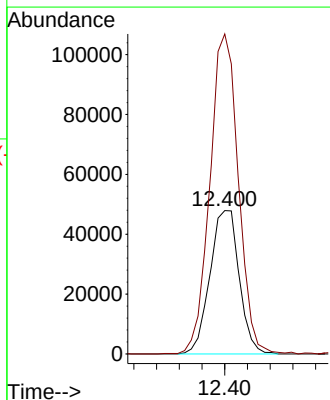
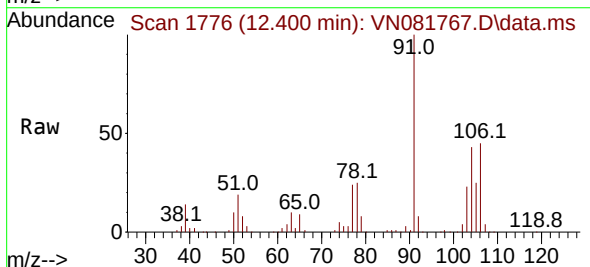
Reviewed By :John  
Carlone  
04/18/2024

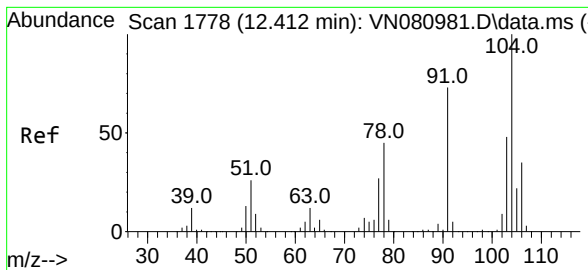
Supervised By :Mahesh  
Dadoda  
04/18/2024



#68  
o-Xylene  
Concen: 19.172 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Tgt Ion:106 Resp: 85717  
Ion Ratio Lower Upper  
106 100  
91 217.4 110.0 330.0





#69  
Styrene  
Concen: 19.017 ug/l  
RT: 12.412 min Scan# 1778  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

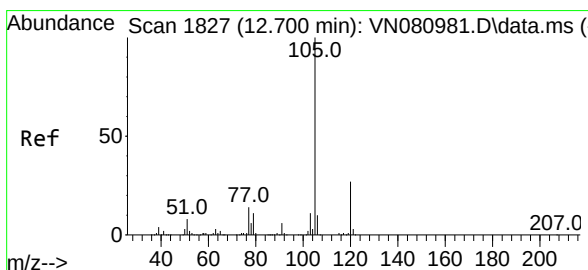
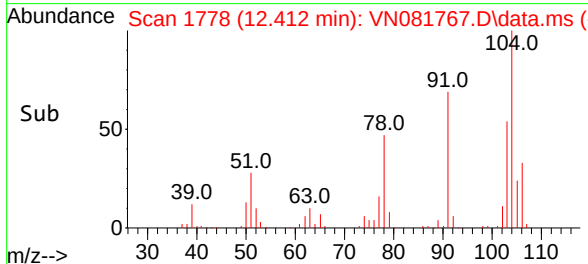
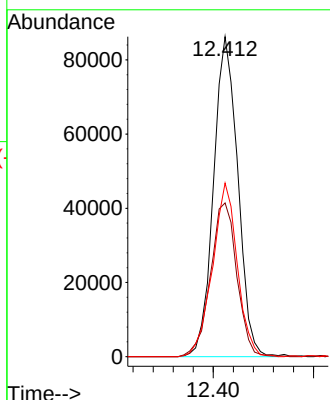
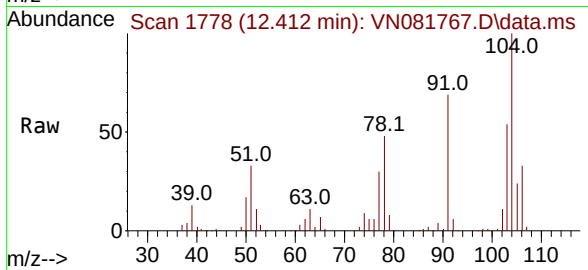
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion:104 Resp: 144799  
Ion Ratio Lower Upper  
104 100  
78 52.2 42.6 64.0  
103 55.4 43.7 65.5

Manual Integrations  
APPROVED

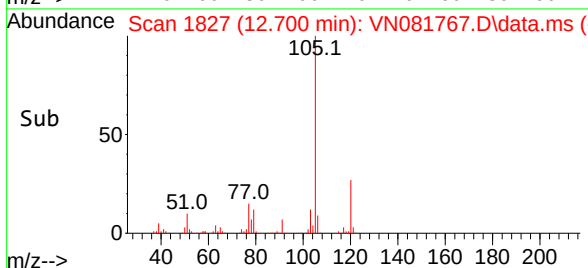
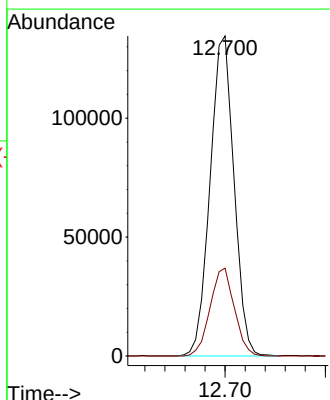
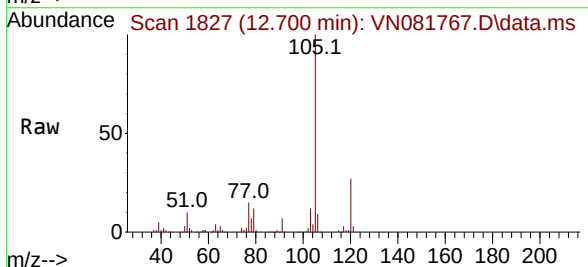
Reviewed By :John  
Carlone  
04/18/2024

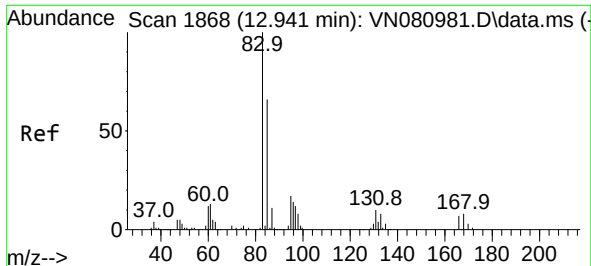
Supervised By :Mahesh  
Dadoda  
04/18/2024



#70  
Isopropylbenzene  
Concen: 19.328 ug/l  
RT: 12.700 min Scan# 1827  
Delta R.T. 0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

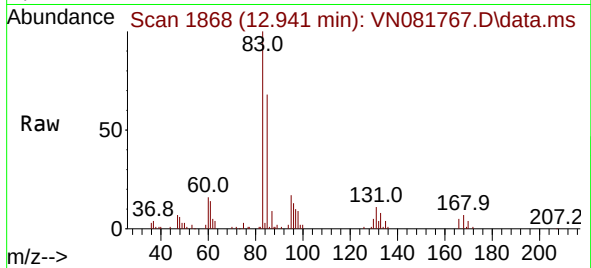
Tgt Ion:105 Resp: 222926  
Ion Ratio Lower Upper  
105 100  
120 27.8 17.8 33.1





#71  
1,1,2,2-Tetrachloroethane  
Concen: 21.337 ug/l  
RT: 12.941 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

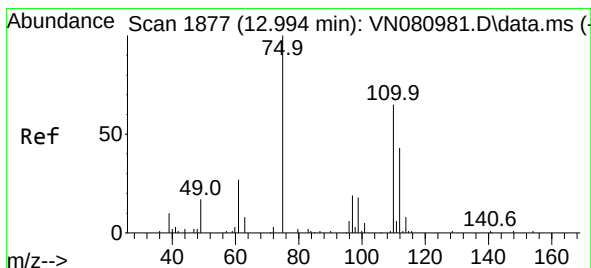
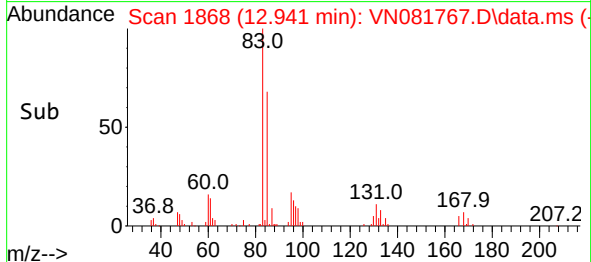
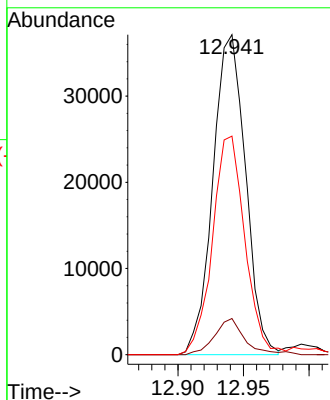


Tgt Ion: 83 Resp: 64280  
Ion Ratio Lower Upper  
83 100  
131 10.2 5.2 15.6  
85 67.8 32.3 96.8

Manual Integrations  
APPROVED

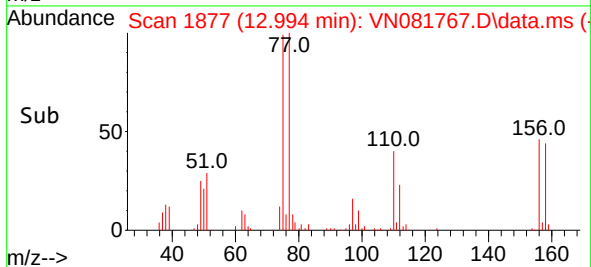
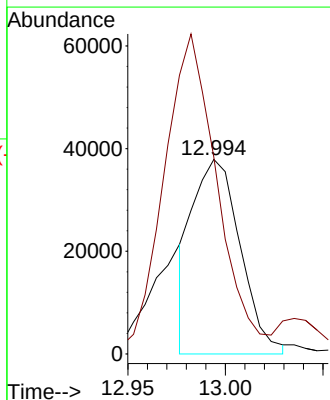
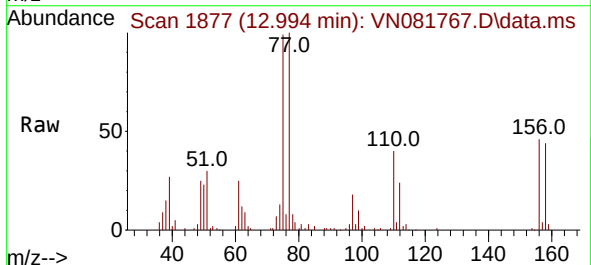
Reviewed By :John  
Carlone  
04/18/2024

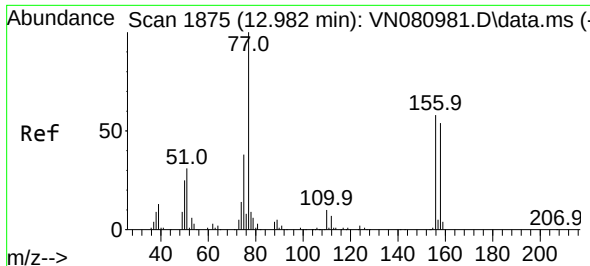
Supervised By :Mahesh  
Dadoda  
04/18/2024



#72  
1,2,3-Trichloropropane  
Concen: 23.148 ug/l m  
RT: 12.994 min Scan# 1877  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

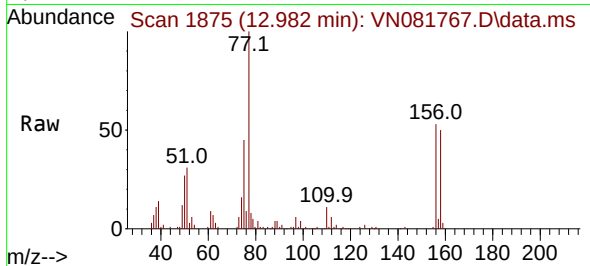
Tgt Ion: 75 Resp: 64568  
Ion Ratio Lower Upper  
75 100  
77 185.2 0.0 367.6





#73  
Bromobenzene  
Concen: 19.305 ug/l  
RT: 12.982 min Scan# 1875  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

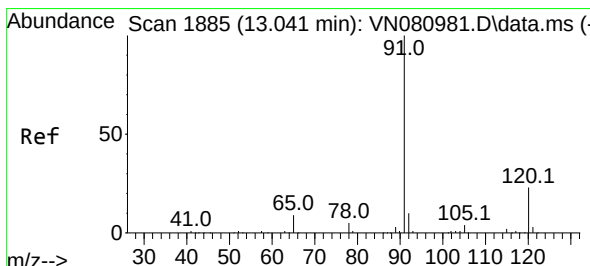
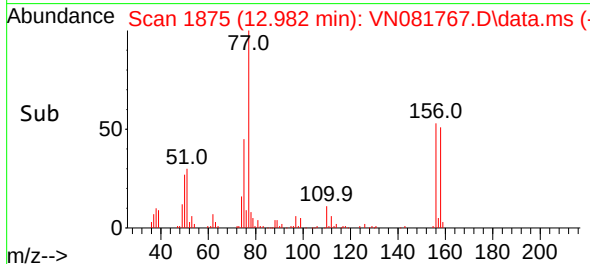
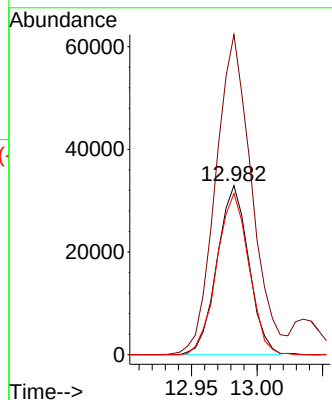


Tgt Ion:156 Resp: 5517  
Ion Ratio Lower Upper  
156 100  
77 216.7 0.0 437.6  
158 96.9 0.0 203.8

Manual Integrations  
APPROVED

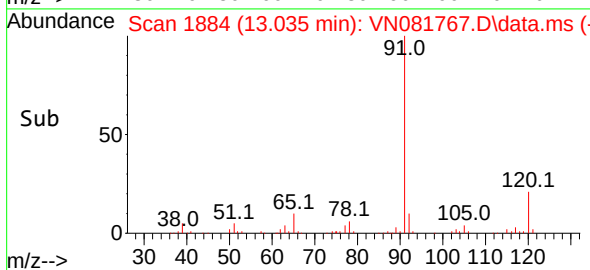
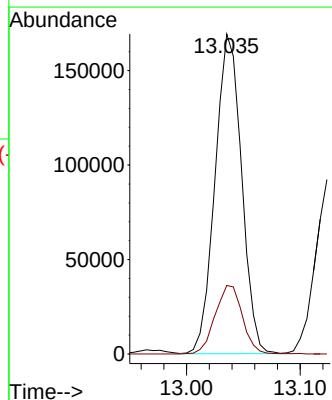
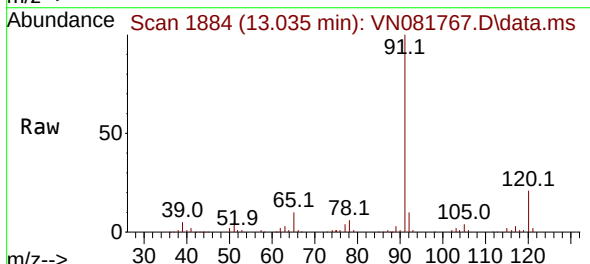
Reviewed By :John  
Carlone  
04/18/2024

Supervised By :Mahesh  
Dadoda  
04/18/2024

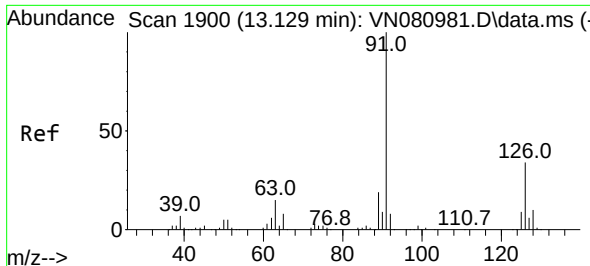


#74  
n-propylbenzene  
Concen: 19.868 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Tgt Ion: 91 Resp: 274309  
Ion Ratio Lower Upper  
91 100  
120 22.0 0.0 43.8







#75  
2-Chlorotoluene  
Concen: 20.175 ug/l  
RT: 13.129 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

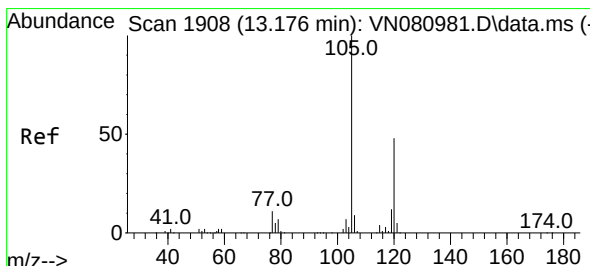
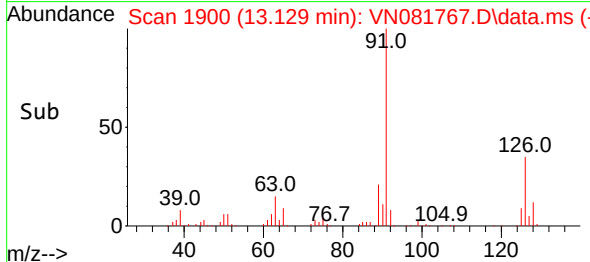
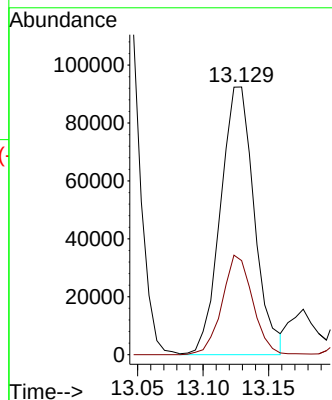
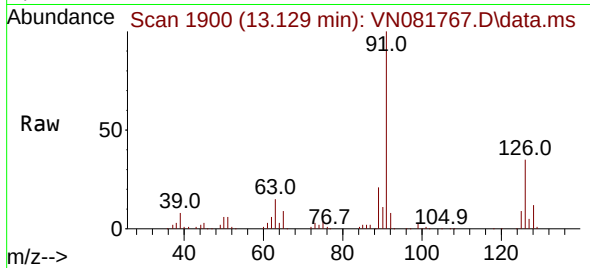
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

Tgt Ion: 91 Resp: 165944  
Ion Ratio Lower Upper  
91 100  
126 33.7 0.0 61.2

Manual Integrations  
**APPROVED**

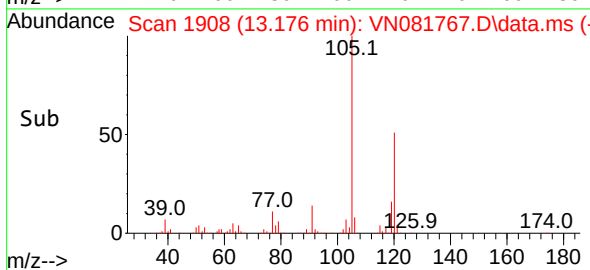
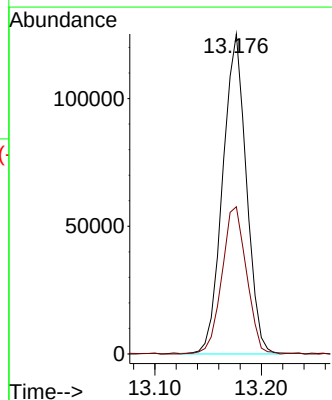
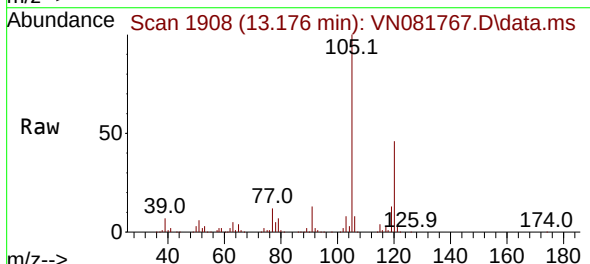
Reviewed By :John  
Carlone  
04/18/2024

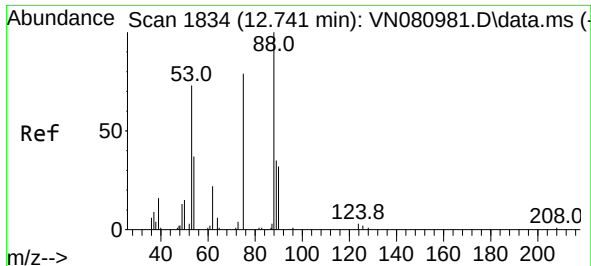
Supervised By :Mahesh  
Dadoda  
04/18/2024



#76  
1,3,5-Trimethylbenzene  
Concen: 19.721 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

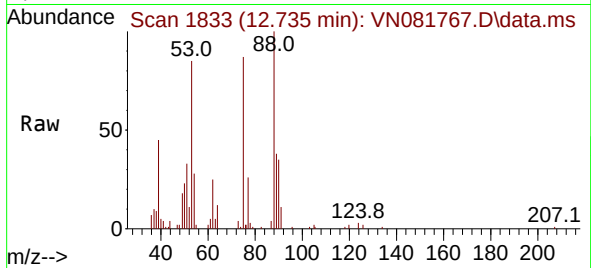
Tgt Ion:105 Resp: 193065  
Ion Ratio Lower Upper  
105 100  
120 47.9 0.0 95.8





#77  
t-1,4-Dichloro-2-butene  
Concen: 20.272 ug/l  
RT: 12.735 min Scan# 1834  
Delta R.T. -0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

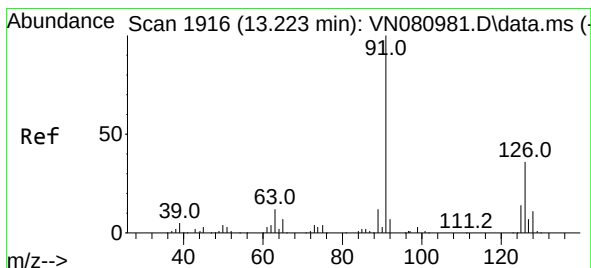
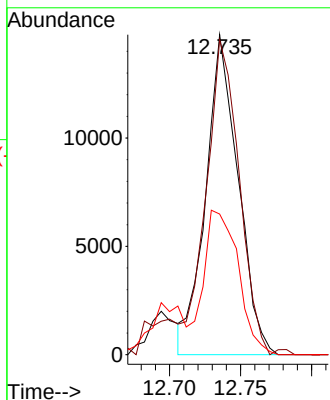
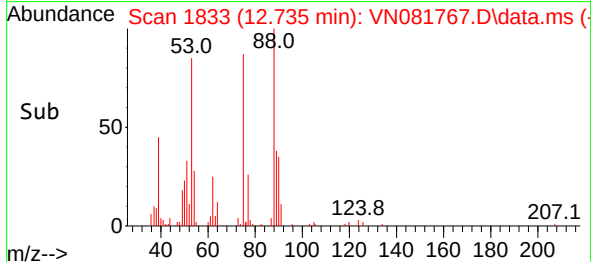


Tgt Ion: 75 Resp: 23418  
Ion Ratio Lower Upper  
75 100  
53 96.9 45.9 137.7  
89 43.9 25.9 77.7

Manual Integrations  
APPROVED

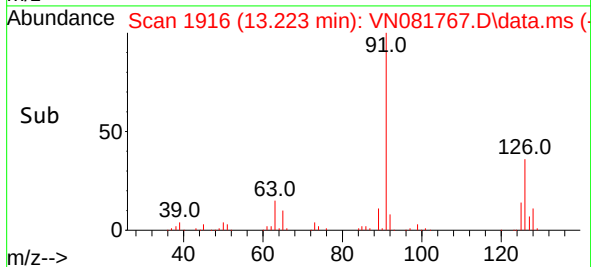
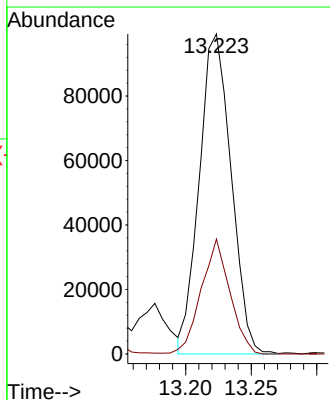
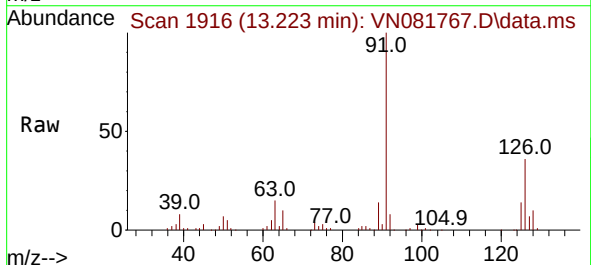
Reviewed By :John  
Carlone  
04/18/2024

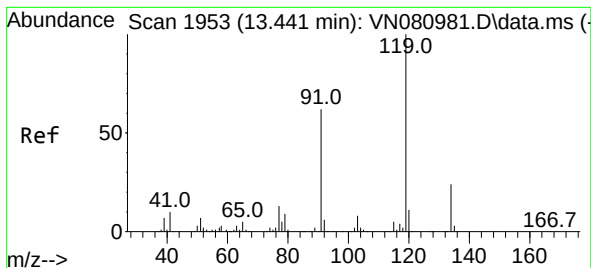
Supervised By :Mahesh  
Dadoda  
04/18/2024



#78  
4-Chlorotoluene  
Concen: 20.583 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

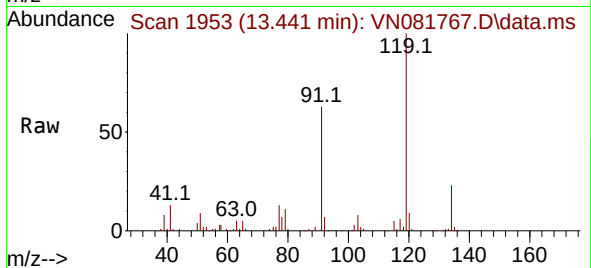
Tgt Ion: 91 Resp: 167920  
Ion Ratio Lower Upper  
91 100  
126 32.5 0.0 62.8





#79  
tert-butylbenzene  
Concen: 19.807 ug/l  
RT: 13.441 min Scan# 1953  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

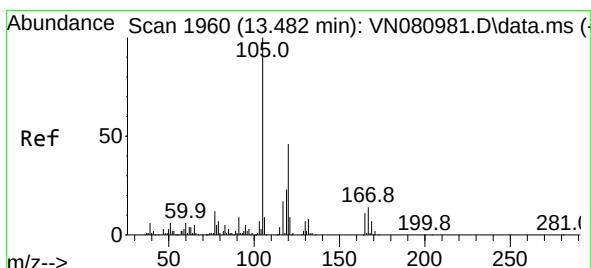
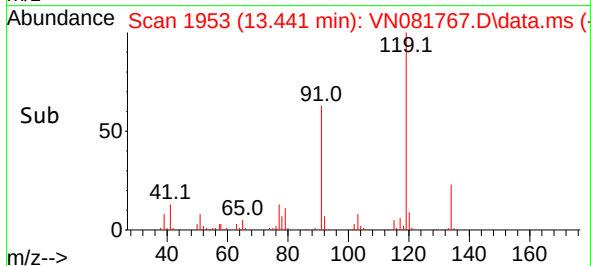
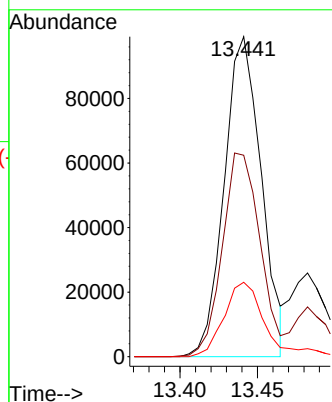


Tgt Ion:119 Resp: 164968  
Ion Ratio Lower Upper  
119 100  
91 64.7 0.0 138.8  
134 24.5 0.0 48.6

Manual Integrations  
APPROVED

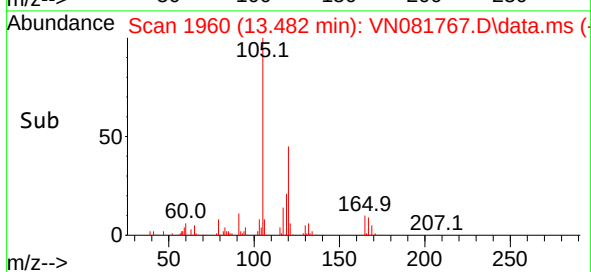
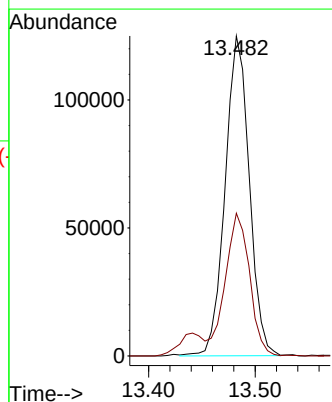
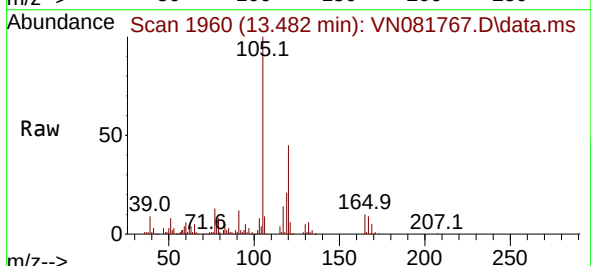
Reviewed By :John  
Carlone  
04/18/2024

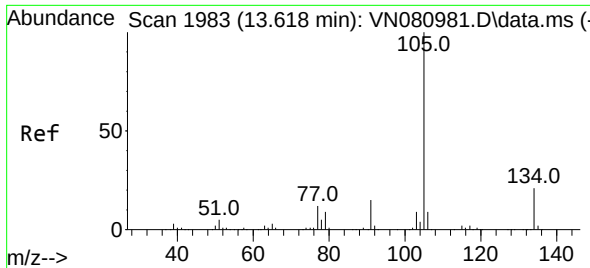
Supervised By :Mahesh  
Dadoda  
04/18/2024



#80  
1,2,4-Trimethylbenzene  
Concen: 20.148 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

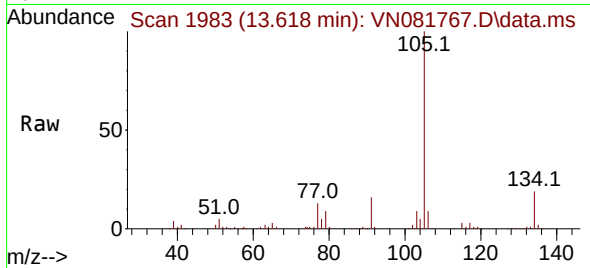
Tgt Ion:105 Resp: 196710  
Ion Ratio Lower Upper  
105 100  
120 45.1 0.0 86.8





#81  
 sec-Butylbenzene  
 Concen: 19.497 ug/l  
 RT: 13.618 min Scan# 1983  
 Delta R.T. 0.000 min  
 Lab File: VN081767.D  
 Acq: 17 Apr 2024 11:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

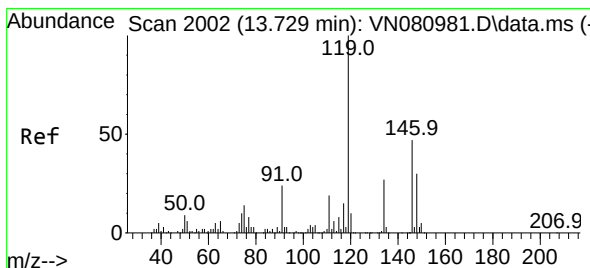
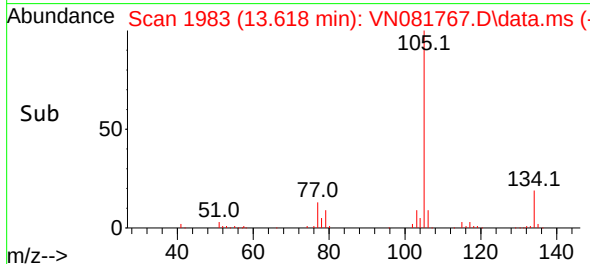
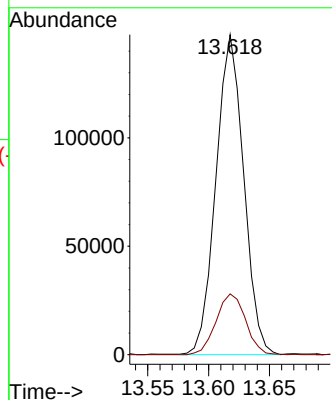


Tgt Ion:105 Resp: 234189  
 Ion Ratio Lower Upper  
 105 100  
 134 20.1 0.0 39.0

Manual Integrations  
 APPROVED

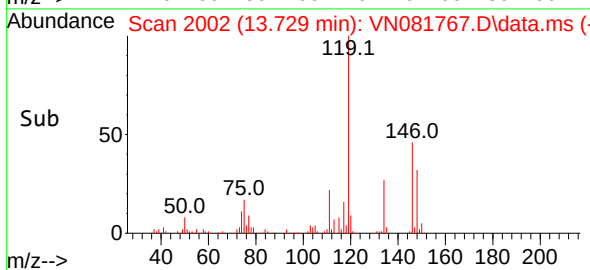
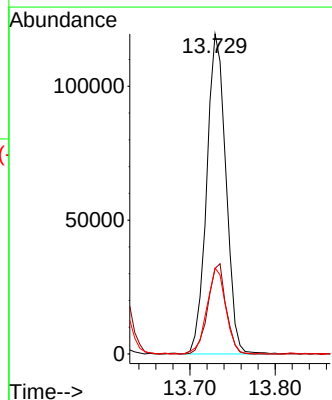
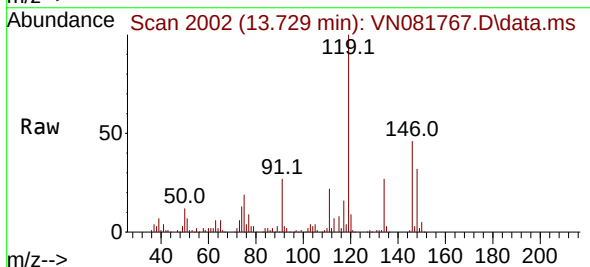
Reviewed By :John  
 Carlone  
 04/18/2024

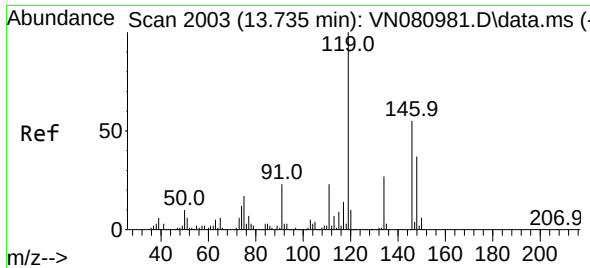
Supervised By :Mahesh  
 Dadoda  
 04/18/2024



#82  
 p-Isopropyltoluene  
 Concen: 18.561 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.000 min  
 Lab File: VN081767.D  
 Acq: 17 Apr 2024 11:28

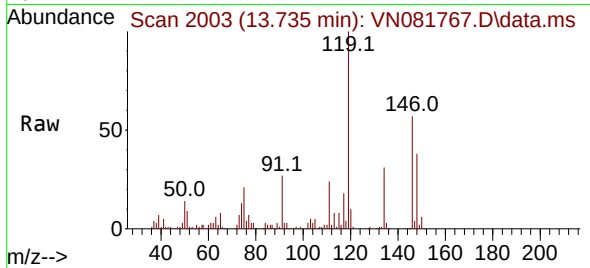
Tgt Ion:119 Resp: 186978  
 Ion Ratio Lower Upper  
 119 100  
 134 26.5 0.0 49.2  
 91 26.4 0.0 48.8





#83  
1,3-Dichlorobenzene  
Concen: 19.867 ug/l  
RT: 13.735 min Scan# 2003  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

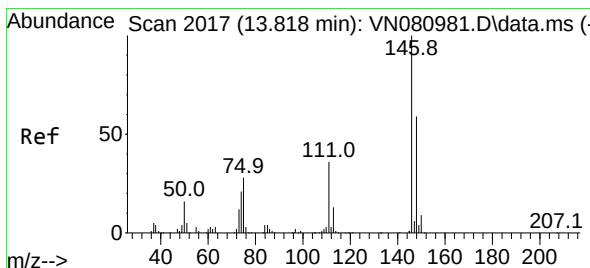
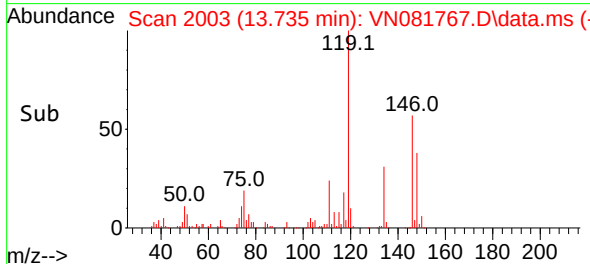
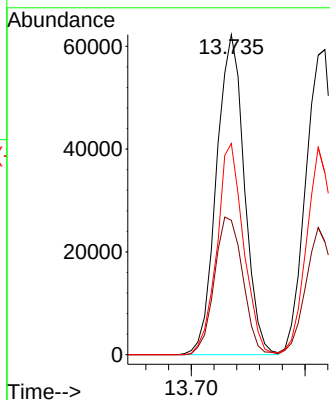


Tgt Ion:146 Resp: 10611  
Ion Ratio Lower Upper  
146 100  
111 44.0 22.4 67.0  
148 63.0 32.1 96.5

Manual Integrations  
APPROVED

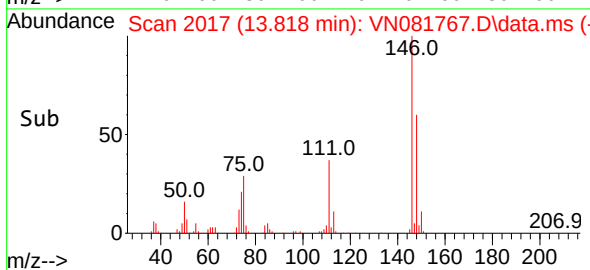
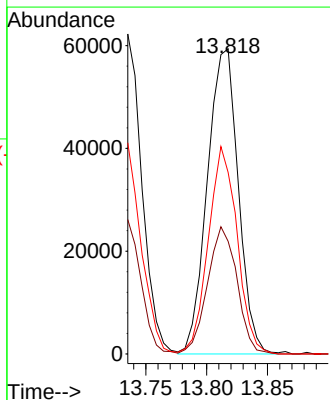
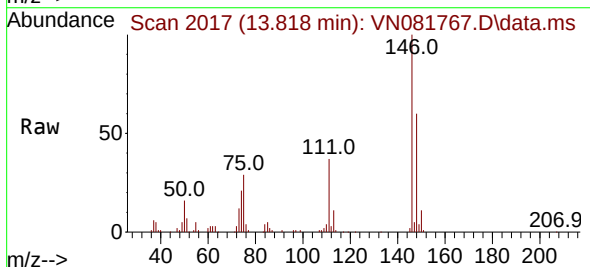
Reviewed By :John  
Carlone  
04/18/2024

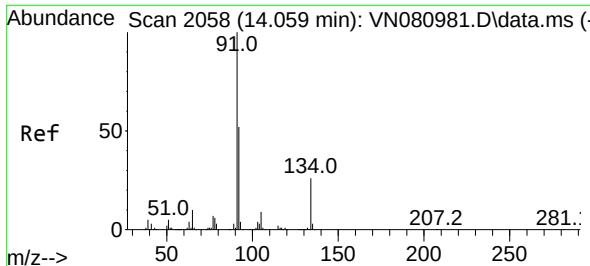
Supervised By :Mahesh  
Dadoda  
04/18/2024



#84  
1,4-Dichlorobenzene  
Concen: 20.332 ug/l  
RT: 13.818 min Scan# 2017  
Delta R.T. 0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Tgt Ion:146 Resp: 105123  
Ion Ratio Lower Upper  
146 100  
111 39.7 21.3 63.9  
148 63.3 31.9 95.5





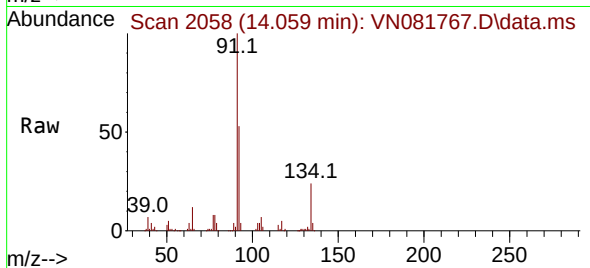
#85  
n-Butylbenzene  
Concen: 18.406 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020



Tgt Ion: 91 Resp: 156170  
Ion Ratio Lower Upper  
91 100  
92 51.8 0.0 105.0  
134 24.4 0.0 51.8

Manual Integrations

APPROVED

Reviewed By :John

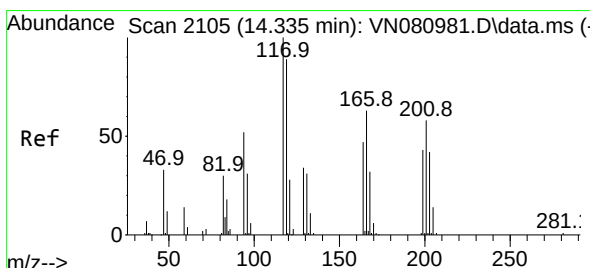
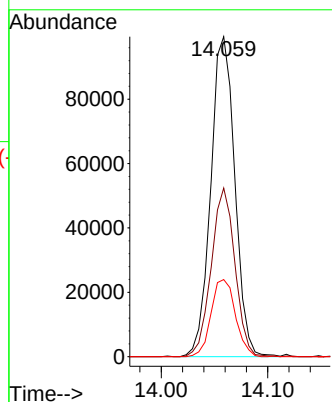
Carlone

04/18/2024

Supervised By :Mahesh

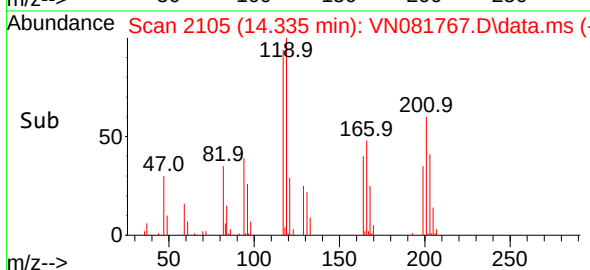
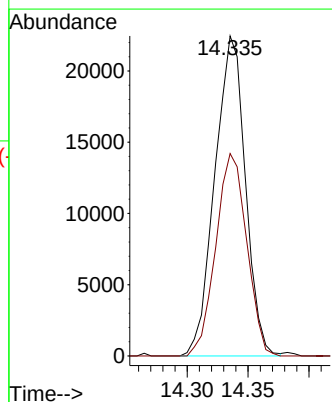
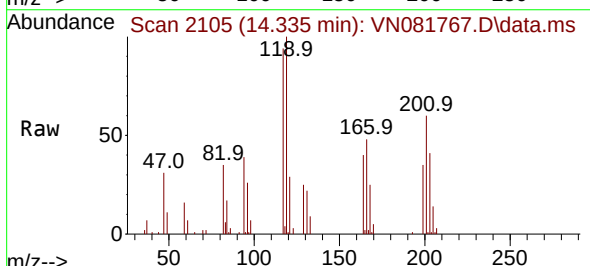
Dadoda

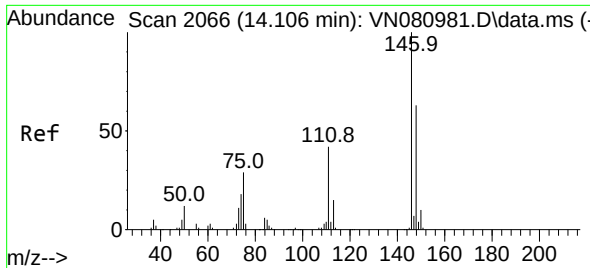
04/18/2024



#86  
Hexachloroethane  
Concen: 20.387 ug/l  
RT: 14.335 min Scan# 2105  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Tgt Ion:117 Resp: 39234  
Ion Ratio Lower Upper  
117 100  
201 64.0 38.0 114.0





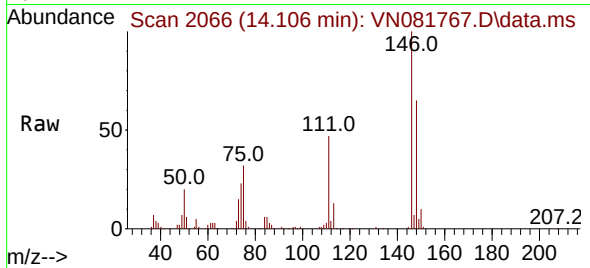
#87  
1,2-Dichlorobenzene  
Concen: 19.759 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020



Tgt Ion:146 Resp: 100460  
Ion Ratio Lower Upper  
146 100  
111 46.0 22.6 67.8  
148 66.0 31.3 93.8

Manual Integrations

APPROVED

Reviewed By :John

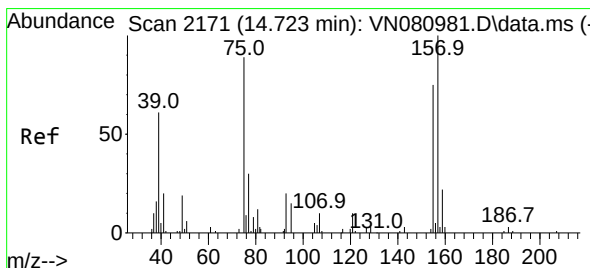
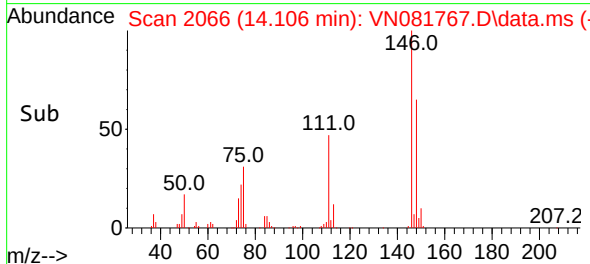
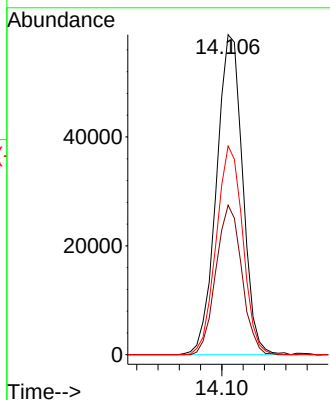
Carlone

04/18/2024

Supervised By :Mahesh

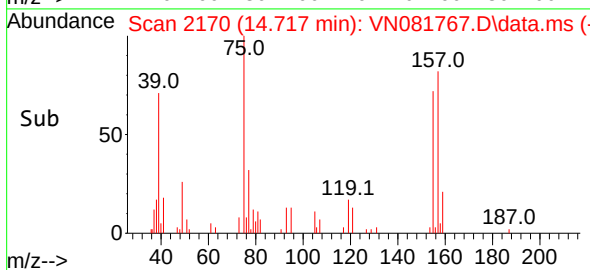
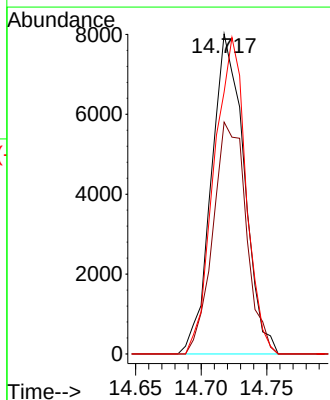
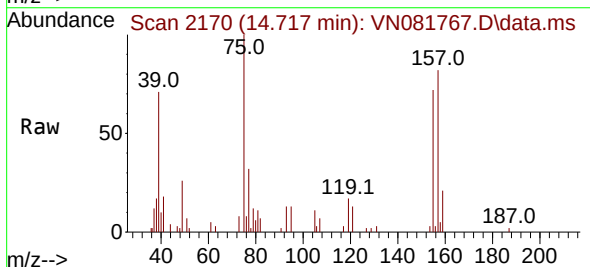
Dadoda

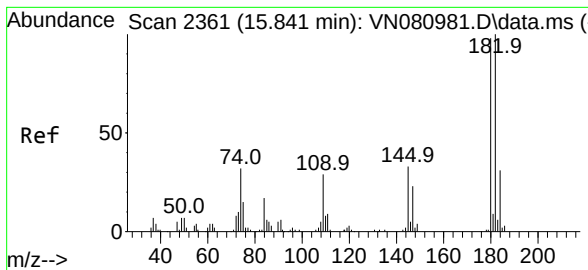
04/18/2024



#88  
1,2-Dibromo-3-Chloropropane  
Concen: 21.175 ug/l  
RT: 14.717 min Scan# 2170  
Delta R.T. -0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

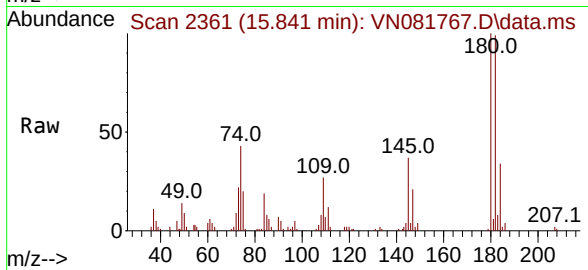
Tgt Ion: 75 Resp: 13908  
Ion Ratio Lower Upper  
75 100  
155 73.6 61.7 92.5  
157 96.2 83.6 125.4





#89  
1,2,4-Trichlorobenzene  
Concen: 18.870 ug/l  
RT: 15.841 min Scan# 2361  
Delta R.T. -0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

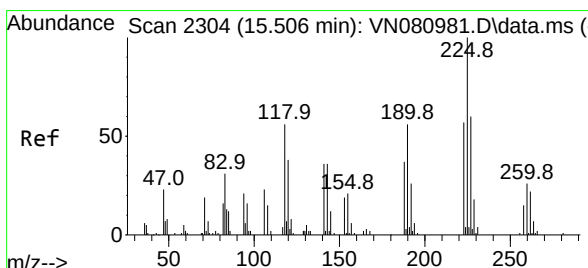
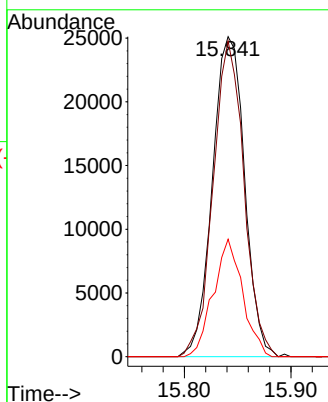
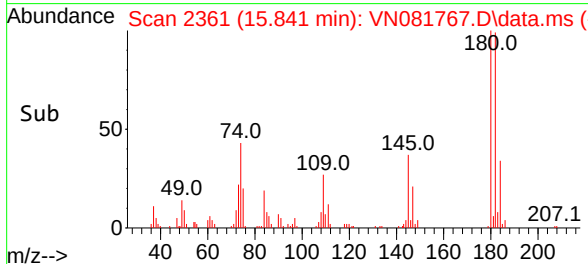


Tgt Ion:180 Resp: 5258  
Ion Ratio Lower Upper  
180 100  
182 94.5 76.4 114.6  
145 33.5 28.4 42.6

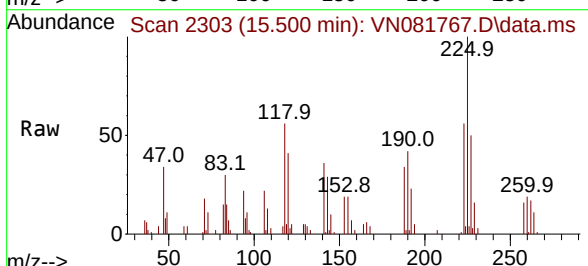
Manual Integrations  
APPROVED

Reviewed By :John  
Carlone  
04/18/2024

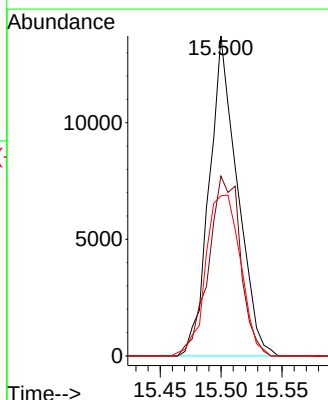
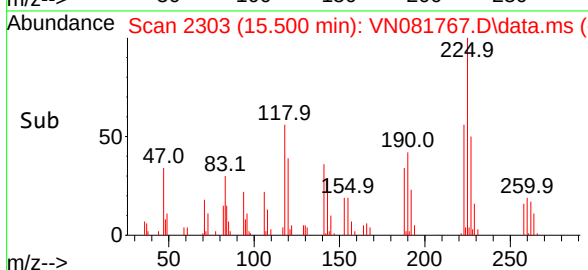
Supervised By :Mahesh  
Dadoda  
04/18/2024



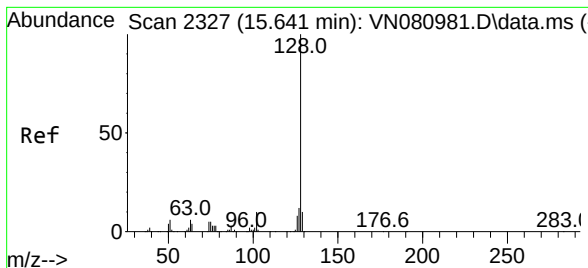
#90  
Hexachlorobutadiene  
Concen: 19.769 ug/l  
RT: 15.500 min Scan# 2303  
Delta R.T. -0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28



Tgt Ion:225 Resp: 22077  
Ion Ratio Lower Upper  
225 100  
223 63.4 0.0 126.6  
227 62.2 0.0 126.6

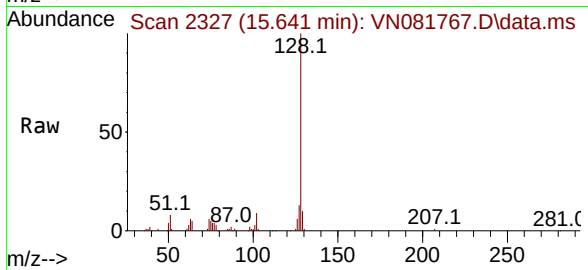






#91  
Naphthalene  
Concen: 17.416 ug/l  
RT: 15.641 min Scan# 2327  
Delta R.T. 0.000 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020

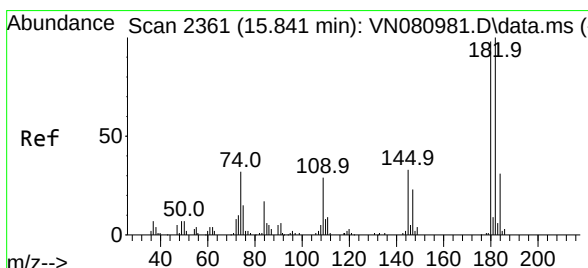
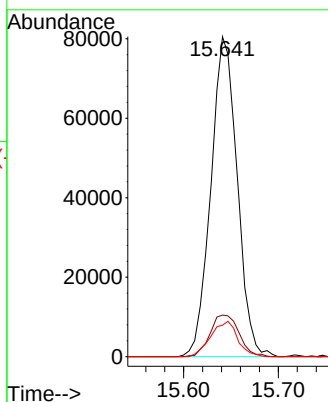
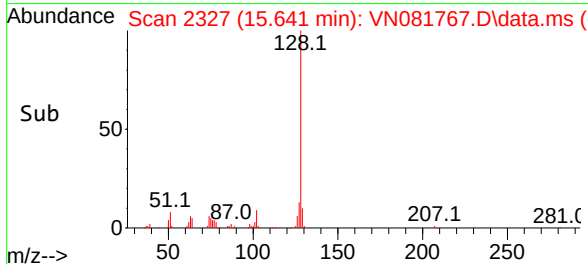


Tgt Ion:128 Resp: 15603  
Ion Ratio Lower Upper  
128 100  
127 14.4 10.6 16.0  
129 11.2 8.6 13.0

Manual Integrations  
APPROVED

Reviewed By :John  
Carlone  
04/18/2024

Supervised By :Mahesh  
Dadoda  
04/18/2024



#92  
1,2,3-Trichlorobenzene  
Concen: 18.870 ug/l  
RT: 15.841 min Scan# 2361  
Delta R.T. -0.006 min  
Lab File: VN081767.D  
Acq: 17 Apr 2024 11:28

Tgt Ion:180 Resp: 52585  
Ion Ratio Lower Upper  
180 100  
182 94.5 0.0 191.0  
145 33.5 0.0 71.0

