

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012224\  
 Data File : VN080732.D  
 Acq On : 22 Jan 2024 11:44  
 Operator : JC\MD  
 Sample : VN0122WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0122WBS01

Quant Time: Jan 23 01:30:36 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N011124W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Jan 12 05:20:11 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 01/23/2024  
 Supervised By : Mahesh Dadoda 01/23/2024

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Bromochloromethane        | 7.812          | 128  | 11756      | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.100          | 114  | 106357     | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.865         | 117  | 118322     | 30.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.577          | 65   | 55126      | 29.037   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = | 96.800%  |        |          |
| 60) 4-Bromofluorobenzene     | 12.847         | 95   | 73025      | 27.899   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = | 93.000%  |        |          |
| 63) Toluene-d8               | 10.565         | 98   | 159151     | 30.648   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = | 102.167% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 34481      | 17.257   | ug/l   | 97       |
| 3) Chloromethane             | 2.365          | 50   | 52293      | 19.213   | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.518          | 62   | 42368      | 20.464   | ug/l # | 89       |
| 5) Bromomethane              | 2.971          | 94   | 16567      | 21.792   | ug/l   | 97       |
| 6) Chloroethane              | 3.124          | 64   | 23424      | 20.927   | ug/l   | 92       |
| 7) Trichlorofluoromethane    | 3.494          | 101  | 55061      | 17.801   | ug/l   | 91       |
| 8) Diethyl Ether             | 3.953          | 74   | 25297      | 17.575   | ug/l   | 73       |
| 9) 1,1,2-Trichlorotrifluo... | 4.377          | 101  | 34202      | 19.189   | ug/l   | 31       |
| 10) 1,1-Dichloroethene       | 4.347          | 96   | 34245      | 17.886   | ug/l   | 83       |
| 11) Methyl Iodide            | 4.589          | 142  | 28605      | 17.517   | ug/l   | 92       |
| 12) Methyl Acetate           | 5.012          | 43   | 41204      | 18.191   | ug/l # | 63       |
| 13) Acrolein                 | 4.177          | 56   | 29259      | 97.174   | ug/l   | 99       |
| 14) Acrylonitrile            | 5.712          | 53   | 91549      | 89.690   | ug/l   | 99       |
| 15) Acetone                  | 4.424          | 58   | 19288      | 83.301   | ug/l   | 98       |
| 16) Carbon Disulfide         | 4.706          | 76   | 105886     | 17.852   | ug/l   | 97       |
| 17) Allyl chloride           | 5.024          | 41   | 69707      | 17.986   | ug/l   | 73       |
| 18) Methylene Chloride       | 5.271          | 84   | 41493      | 18.650   | ug/l # | 78       |
| 19) trans-1,2-Dichloroethene | 5.777          | 96   | 38705      | 19.228   | ug/l   | 94       |
| 20) Diisopropyl ether        | 6.665          | 45   | 152091     | 19.338   | ug/l # | 94       |
| 21) 1,1-Dichloroethane       | 6.565          | 63   | 78157      | 18.299   | ug/l   | 93       |
| 22) cis-1,2-Dichloroethene   | 7.488          | 96   | 45595      | 19.362   | ug/l # | 77       |
| 23) tert-Butyl Alcohol       | 5.512          | 59   | 29828      | 84.730   | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.788          | 73   | 121513     | 17.553   | ug/l # | 85       |
| 25) Chloroform               | 7.965          | 83   | 72010      | 18.109   | ug/l   | 100      |
| 26) Cyclohexane              | 8.253          | 56   | 64113      | 19.089   | ug/l # | 91       |
| 29) 1,1-Dichloropropene      | 8.371          | 75   | 56783      | 17.563   | ug/l   | 95       |
| 30) 2-Butanone               | 7.477          | 43   | 119087     | 83.241   | ug/l   | 91       |
| 31) 2,2-Dichloropropane      | 7.482          | 77   | 65264      | 16.804   | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 8.165          | 97   | 59437      | 16.708   | ug/l # | 92       |
| 33) Carbon Tetrachloride     | 8.359          | 117  | 46583      | 16.580   | ug/l   | 95       |
| 34) Benzene                  | 8.606          | 78   | 174594     | 18.207   | ug/l   | 99       |
| 35) Methacrylonitrile        | 7.777          | 41   | 30858      | 17.189   | ug/l   | 92       |
| 36) 1,2-Dichloroethane       | 8.665          | 62   | 56357      | 15.983   | ug/l   | 97       |
| 37) Trichloroethene          | 9.347          | 130  | 36728      | 17.561   | ug/l   | 90       |
| 38) Methylcyclohexane        | 9.600          | 83   | 58375      | 18.534   | ug/l   | 94       |
| 39) 1,2-Dichloropropane      | 9.624          | 63   | 49175      | 19.025   | ug/l   | 95       |
| 40) Dibromomethane           | 9.706          | 93   | 26402      | 17.168   | ug/l   | 85       |
| 41) Bromodichloromethane     | 9.882          | 83   | 56627      | 16.826   | ug/l # | 95       |
| 42) Vinyl Acetate            | 6.600          | 43   | 578142     | 86.948   | ug/l # | 93       |

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 Sample : VN0122WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0122WBS01

Manual Integrations  
 APPROVED

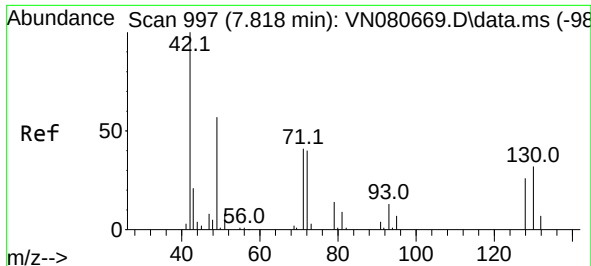
Reviewed By : John Carlone 01/23/2024  
 Supervised By : Mahesh Dadoda 01/23/2024

Quant Time: Jan 23 01:30:36 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N011124W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Jan 12 05:20:11 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.553  | 43   | 52725    | 17.551  | ug/l   | 95       |
| 44) Isopropyl Acetate         | 8.682  | 43   | 97985    | 17.087  | ug/l   | 90       |
| 45) 1,4-Dioxane               | 9.694  | 88   | 10517    | 322.463 | ug/l # | 79       |
| 46) Methyl methacrylate       | 9.682  | 41   | 43936    | 16.271  | ug/l   | 81       |
| 47) n-amyl Acetate            | 12.494 | 43   | 86321m   | 16.775  | ug/l   |          |
| 48) t-1,3-Dichloropropene     | 10.835 | 75   | 65914    | 16.622  | ug/l   | 99       |
| 49) cis-1,3-Dichloropropene   | 10.312 | 75   | 72438    | 17.211  | ug/l # | 88       |
| 50) 1,1,2-Trichloroethane     | 11.018 | 97   | 37768    | 17.882  | ug/l   | 98       |
| 51) Ethyl methacrylate        | 10.871 | 69   | 59921    | 16.412  | ug/l   | 75       |
| 52) 1,3-Dichloropropane       | 11.165 | 76   | 69246    | 17.416  | ug/l   | 99       |
| 53) Dibromochloromethane      | 11.359 | 129  | 36138    | 17.099  | ug/l   | 99       |
| 54) 1,2-Dibromoethane         | 11.470 | 107  | 34577    | 16.655  | ug/l   | 95       |
| 55) 2-Chloroethyl vinyl ether | 10.159 | 63   | 153834   | 81.975  | ug/l   | 94       |
| 56) Bromoform                 | 12.582 | 173  | 20381    | 16.325  | ug/l   | 98       |
| 58) 4-Methyl-2-Pentanone      | 10.441 | 43   | 257392   | 82.694  | ug/l # | 86       |
| 59) 2-Hexanone                | 11.194 | 43   | 190568   | 82.002  | ug/l # | 88       |
| 61) Tetrachloroethene         | 11.100 | 164  | 29849    | 18.951  | ug/l   | 82       |
| 62) Toluene                   | 10.629 | 91   | 171547   | 18.026  | ug/l   | 98       |
| 64) Chlorobenzene             | 11.894 | 112  | 97788    | 18.448  | ug/l   | 95       |
| 65) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 34408    | 18.067  | ug/l   | 93       |
| 66) Ethyl Benzene             | 11.965 | 91   | 179330   | 17.916  | ug/l   | 94       |
| 67) m/p-Xylenes               | 12.070 | 106  | 128175   | 35.628  | ug/l   | 95       |
| 68) o-Xylene                  | 12.394 | 106  | 63616    | 17.731  | ug/l   | 97       |
| 69) Styrene                   | 12.412 | 104  | 106232   | 17.624  | ug/l   | 99       |
| 70) Isopropylbenzene          | 12.694 | 105  | 153104   | 17.460  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 45594    | 15.930  | ug/l   | 95       |
| 72) 1,2,3-Trichloropropane    | 12.994 | 75   | 41046m   | 15.131  | ug/l   |          |
| 73) Bromobenzene              | 12.976 | 156  | 31633    | 16.924  | ug/l   | 74       |
| 74) n-propylbenzene           | 13.035 | 91   | 197403   | 18.666  | ug/l   | 96       |
| 75) 2-Chlorotoluene           | 13.123 | 91   | 115550   | 17.374  | ug/l   | 98       |
| 76) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 127974   | 17.534  | ug/l   | 96       |
| 77) t-1,4-Dichloro-2-butene   | 12.741 | 75   | 19194    | 17.260  | ug/l   | 85       |
| 78) 4-Chlorotoluene           | 13.223 | 91   | 115693   | 17.403  | ug/l   | 95       |
| 79) tert-butylbenzene         | 13.441 | 119  | 101997   | 17.904  | ug/l   | 97       |
| 80) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 126838   | 17.763  | ug/l   | 100      |
| 81) sec-Butylbenzene          | 13.617 | 105  | 156844   | 18.702  | ug/l   | 96       |
| 82) p-Isopropyltoluene        | 13.729 | 119  | 119646   | 18.708  | ug/l   | 97       |
| 83) 1,3-Dichlorobenzene       | 13.729 | 146  | 58284    | 17.974  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 13.811 | 146  | 56786    | 17.392  | ug/l   | 97       |
| 85) n-Butylbenzene            | 14.053 | 91   | 117001   | 18.516  | ug/l   | 96       |
| 86) Hexachloroethane          | 14.335 | 117  | 20232    | 16.823  | ug/l   | 82       |
| 87) 1,2-Dichlorobenzene       | 14.106 | 146  | 57229    | 17.991  | ug/l   | 98       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 8400     | 14.096  | ug/l   | 85       |
| 89) 1,2,4-Trichlorobenzene    | 15.835 | 180  | 26398    | 16.546  | ug/l   | 96       |
| 90) Hexachlorobutadiene       | 15.500 | 225  | 13274    | 18.159  | ug/l   | 98       |
| 91) Naphthalene               | 15.641 | 128  | 98320    | 15.808  | ug/l # | 92       |
| 92) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 26398    | 16.546  | ug/l   | 96       |

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





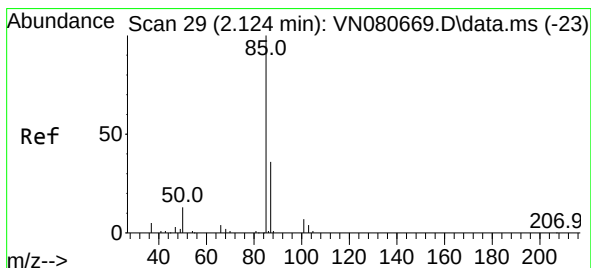
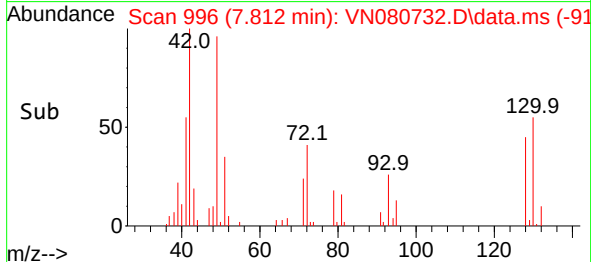
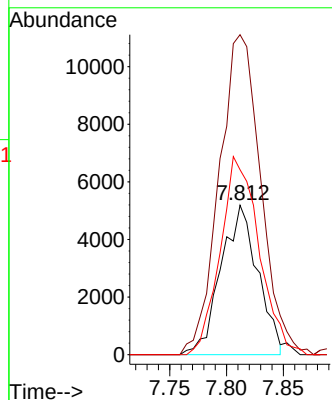
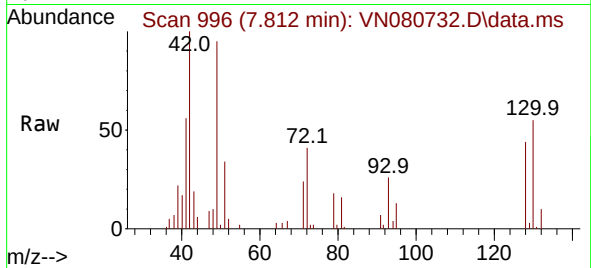
#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.812 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01

Tgt Ion:128 Resp: 11750  
Ion Ratio Lower Upper  
128 100  
49 240.4 0.0 403.7  
130 139.3 0.0 323.3

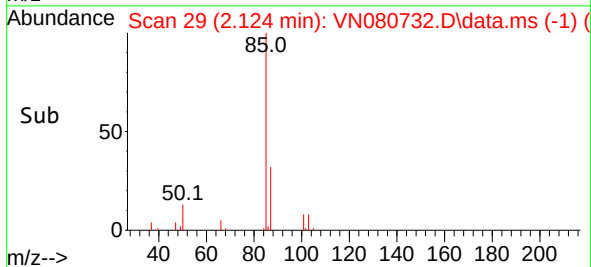
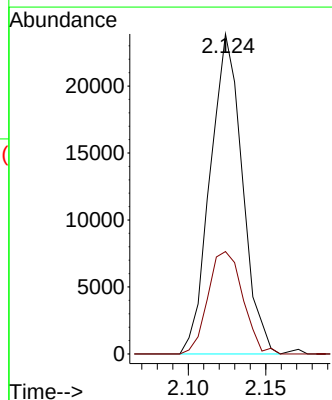
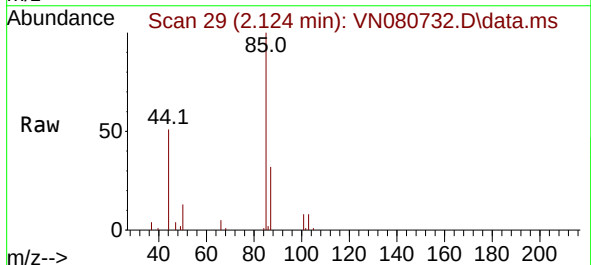
Manual Integrations  
APPROVED

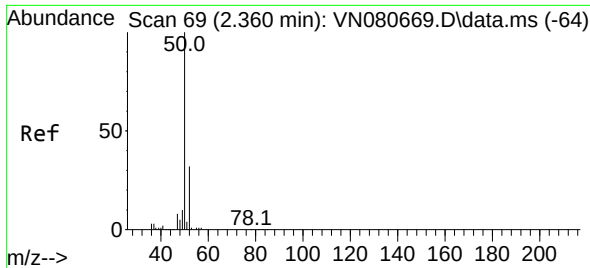
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#2  
Dichlorodifluoromethane  
Concen: 17.257 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. 0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion: 85 Resp: 34481  
Ion Ratio Lower Upper  
85 100  
87 32.0 16.8 50.3





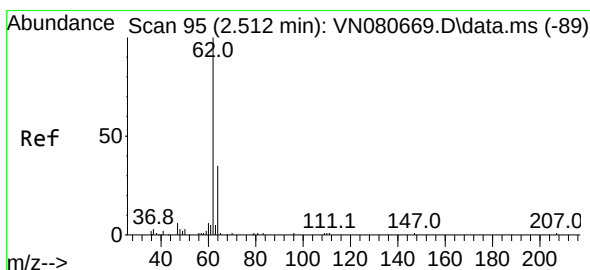
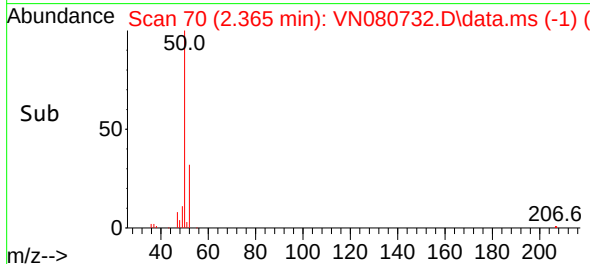
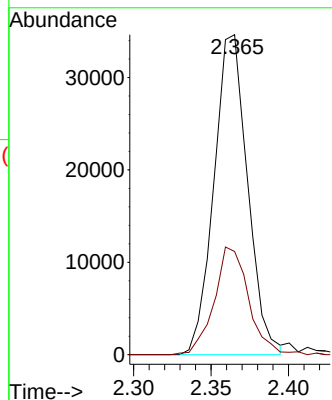
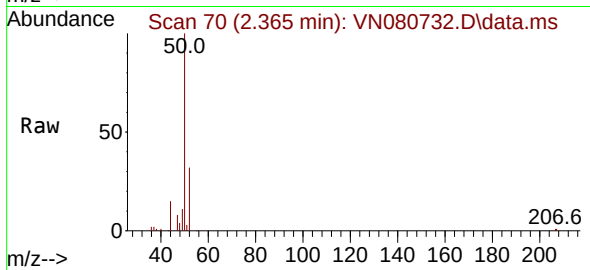
#3  
Chloromethane  
Concen: 19.213 ug/l  
RT: 2.365 min Scan# 70  
Delta R.T. 0.005 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01

Tgt Ion: 50 Resp: 5229  
Ion Ratio Lower Upper  
50 100  
52 31.7 25.4 38.0

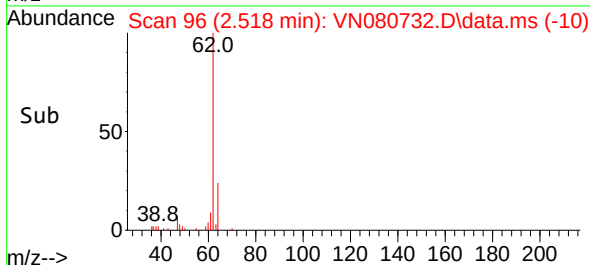
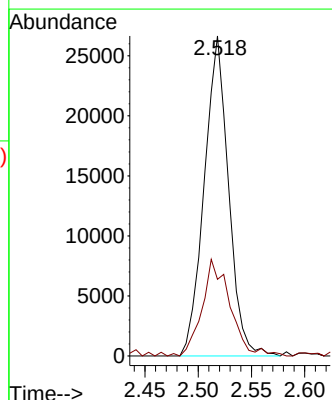
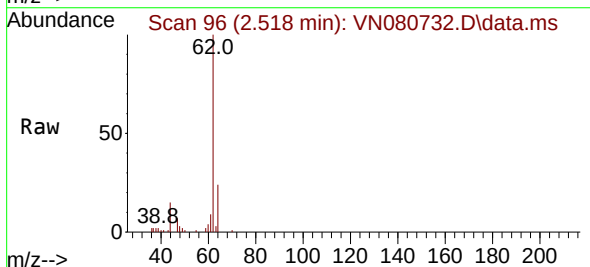
Manual Integrations  
APPROVED

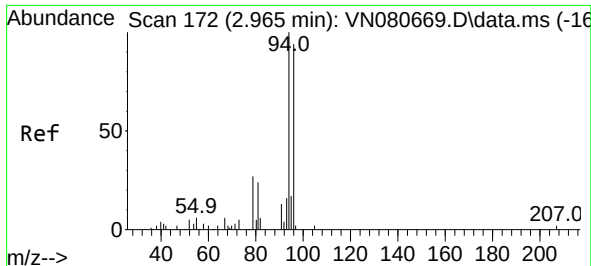
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#4  
Vinyl Chloride  
Concen: 20.464 ug/l  
RT: 2.518 min Scan# 96  
Delta R.T. 0.006 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

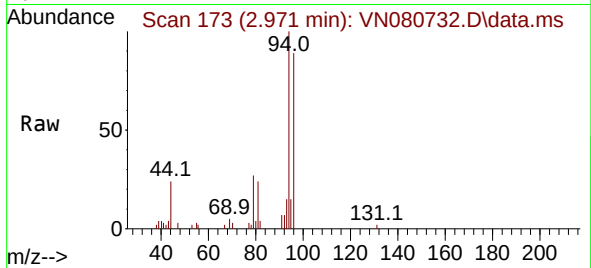
Tgt Ion: 62 Resp: 42368  
Ion Ratio Lower Upper  
62 100  
64 23.9 24.1 36.1





#5  
Bromomethane  
Concen: 21.792 ug/l  
RT: 2.971 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

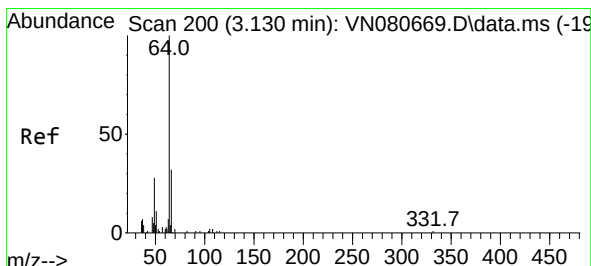
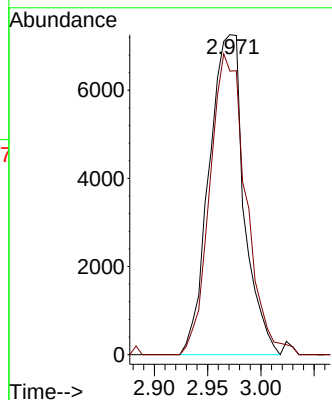
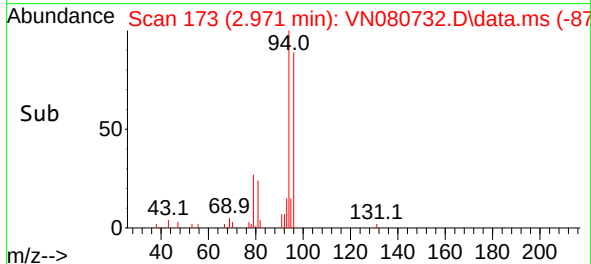
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01



Tgt Ion: 94 Resp: 1656  
Ion Ratio Lower Upper  
94 100  
96 88.6 72.8 109.2

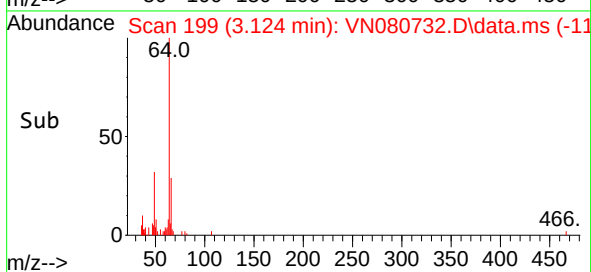
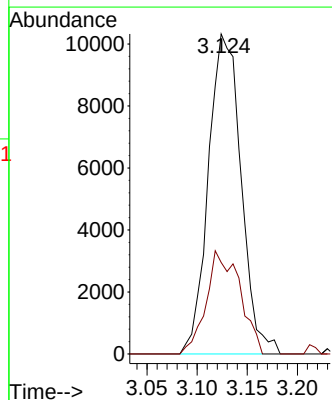
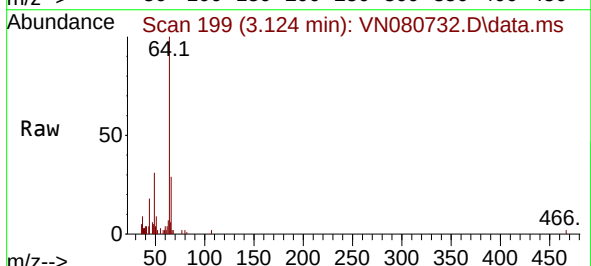
Manual Integrations  
APPROVED

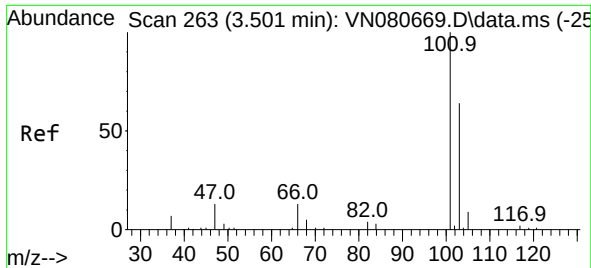
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#6  
Chloroethane  
Concen: 20.927 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. -0.006 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion: 64 Resp: 23424  
Ion Ratio Lower Upper  
64 100  
66 28.6 26.7 40.1





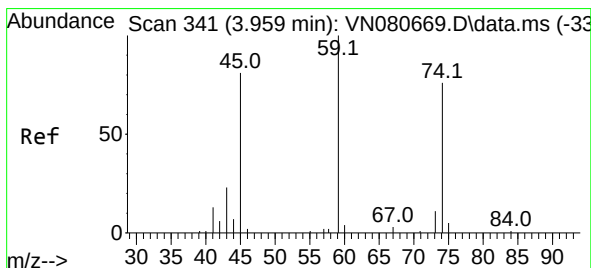
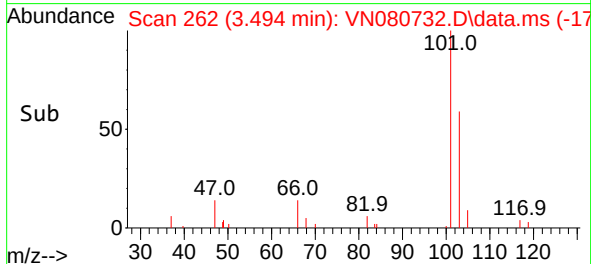
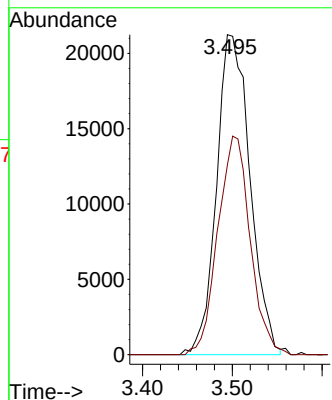
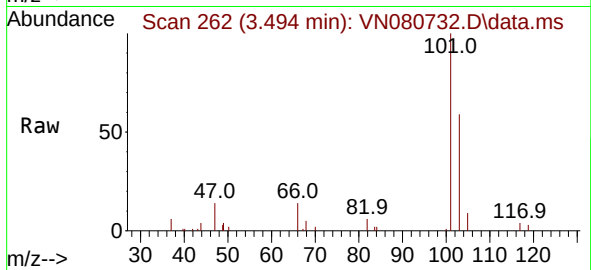
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Trichlorofluoromethane  
Concen: 17.801 ug/l  
RT: 3.494 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01

Tgt Ion:101 Resp: 5506  
Ion Ratio Lower Upper  
101 100  
103 59.3 53.0 79.4

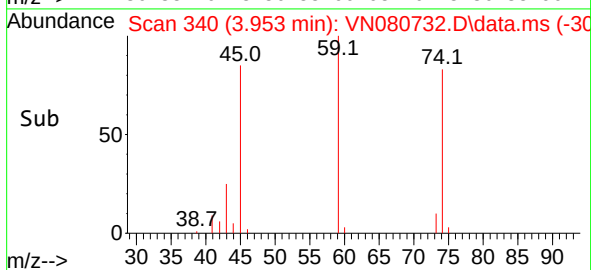
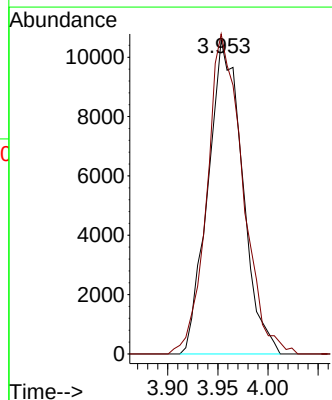
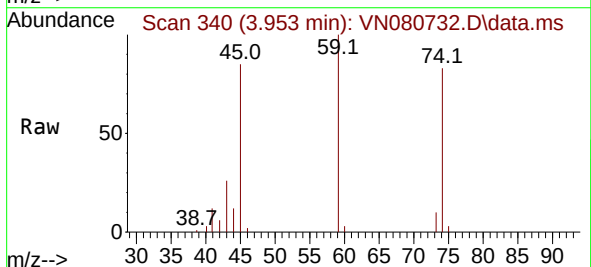
Manual Integrations  
APPROVED

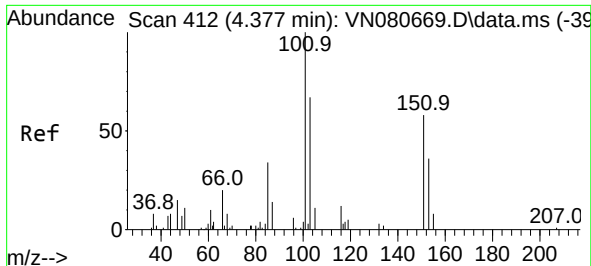
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#8  
Diethyl Ether  
Concen: 17.575 ug/l  
RT: 3.953 min Scan# 340  
Delta R.T. -0.006 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion: 74 Resp: 25297  
Ion Ratio Lower Upper  
74 100  
45 105.7 16.4 147.4





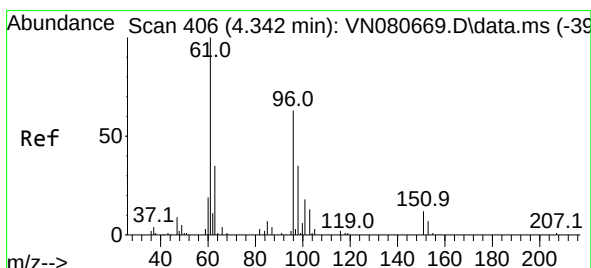
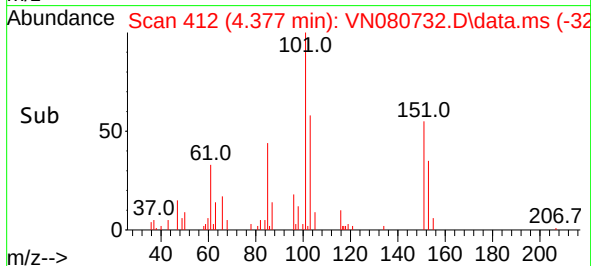
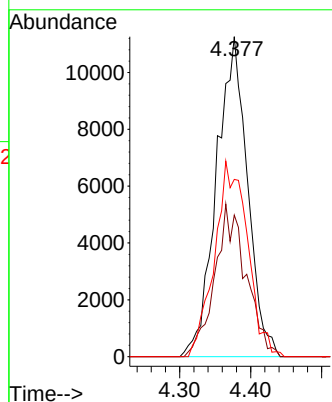
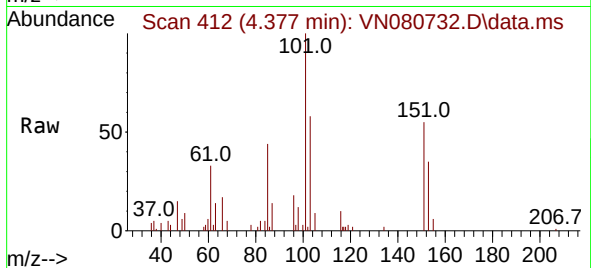
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.189 ug/l  
RT: 4.377 min Scan# 412  
Delta R.T. -0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01

Tgt Ion:101 Resp: 3420  
Ion Ratio Lower Upper  
101 100  
85 22.4 0.0 90.6  
151 1.4 0.0 157.6

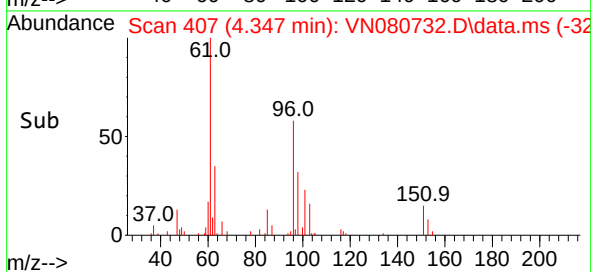
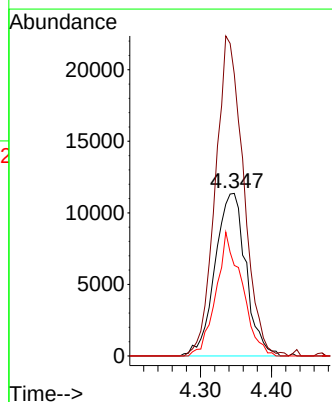
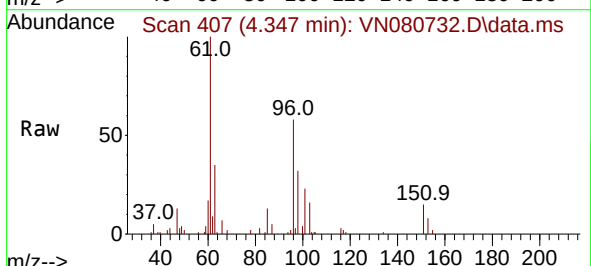
Manual Integrations  
APPROVED

Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024

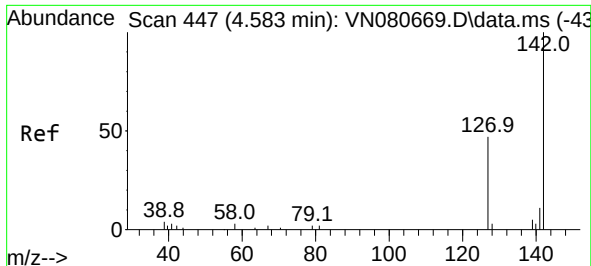


#10  
1,1-Dichloroethene  
Concen: 17.886 ug/l  
RT: 4.347 min Scan# 407  
Delta R.T. 0.005 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion: 96 Resp: 34245  
Ion Ratio Lower Upper  
96 100  
61 173.5 117.6 176.4  
98 55.7 48.4 72.6

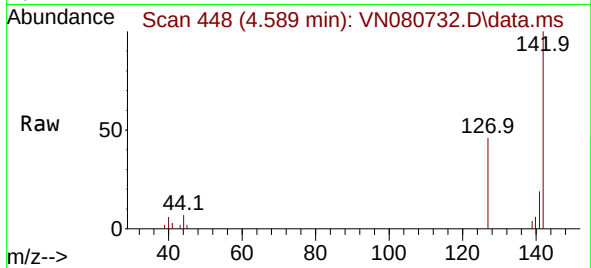






#11  
Methyl Iodide  
Concen: 17.517 ug/l  
RT: 4.589 min Scan# 447  
Delta R.T. 0.006 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

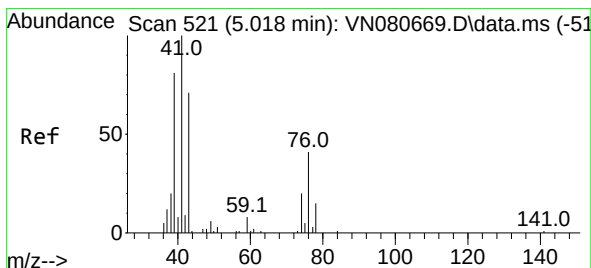
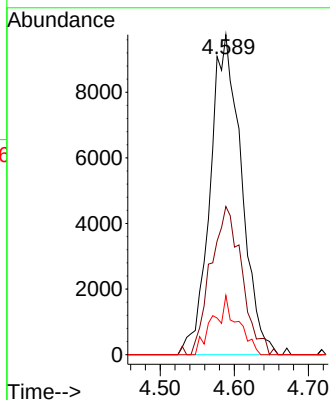
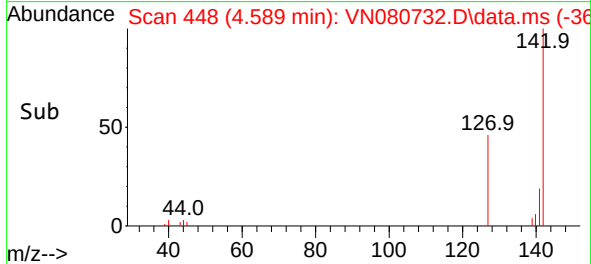
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01



Tgt Ion:142 Resp: 2860  
Ion Ratio Lower Upper  
142 100  
127 46.3 26.3 78.9  
141 18.5 8.3 24.9

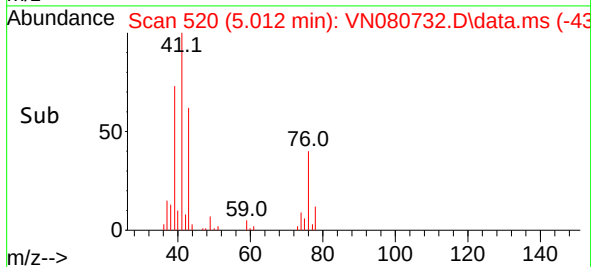
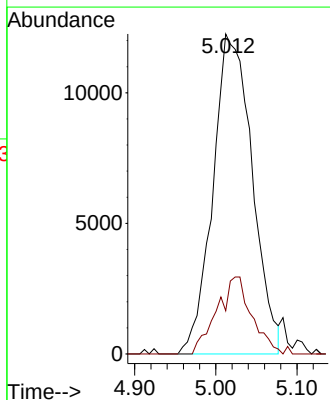
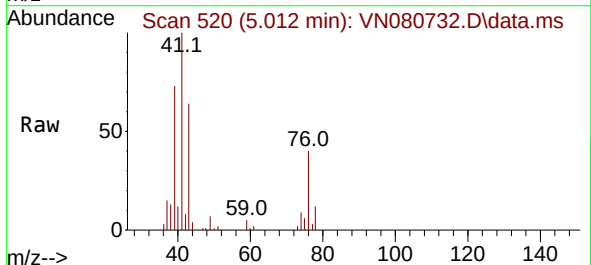
Manual Integrations  
APPROVED

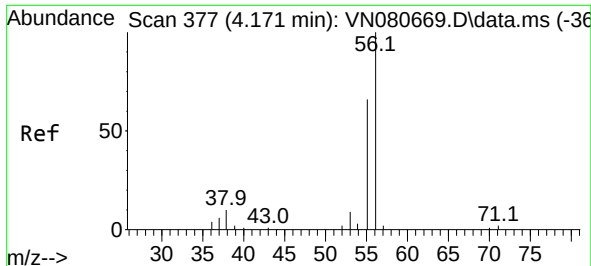
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#12  
Methyl Acetate  
Concen: 18.191 ug/l  
RT: 5.012 min Scan# 520  
Delta R.T. -0.006 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion: 43 Resp: 41204  
Ion Ratio Lower Upper  
43 100  
74 13.3 27.7 41.5#





#13

Acrolein

Concen: 97.174 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN080732.D

Acq: 22 Jan 2024 11:44

Instrument :

MSVOA\_N

ClientSampleId :

VN0122WBS01

Tgt Ion: 56 Resp: 2925

Ion Ratio Lower Upper

56 100

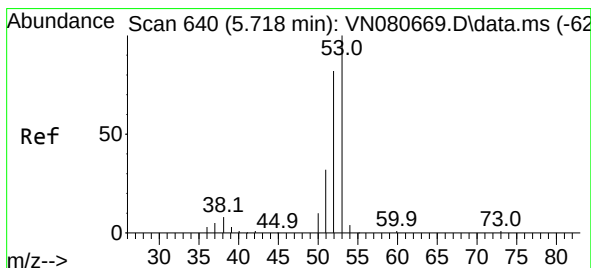
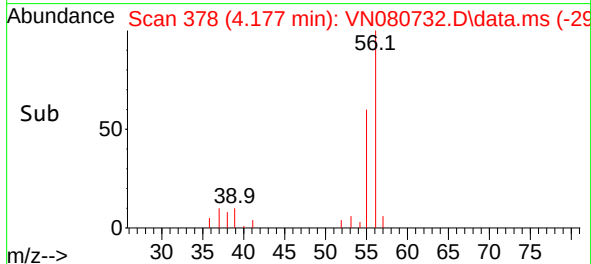
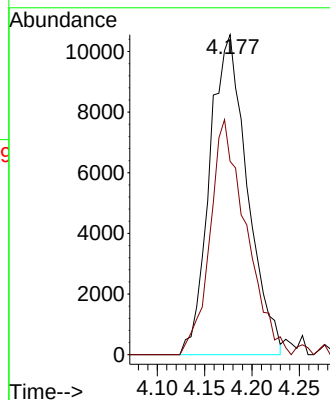
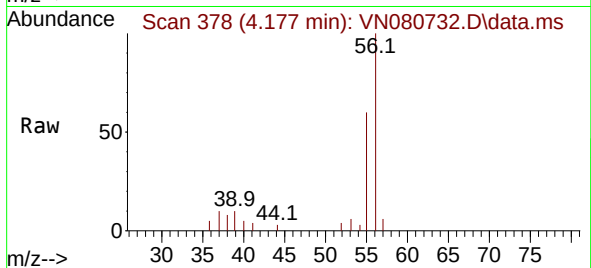
55 70.0 55.5 83.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/23/2024

Supervised By :Mahesh Dadoda 01/23/2024



#14

Acrylonitrile

Concen: 89.690 ug/l

RT: 5.712 min Scan# 639

Delta R.T. -0.006 min

Lab File: VN080732.D

Acq: 22 Jan 2024 11:44

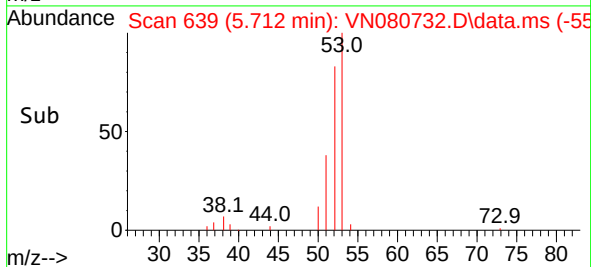
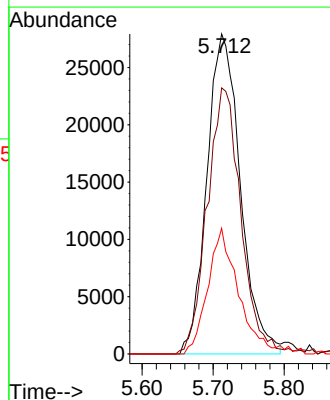
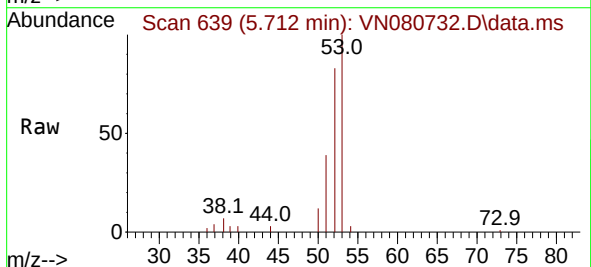
Tgt Ion: 53 Resp: 91549

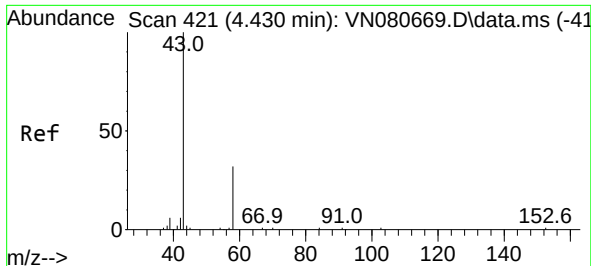
Ion Ratio Lower Upper

53 100

52 83.1 41.3 123.9

51 35.4 16.8 50.3





#15

Acetone

Concen: 83.301 ug/l

RT: 4.424 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN080732.D

Acq: 22 Jan 2024 11:44

Instrument :

MSVOA\_N

ClientSampleId :

VN0122WBS01

Tgt Ion: 58 Resp: 1928

Ion Ratio Lower Upper

58 100

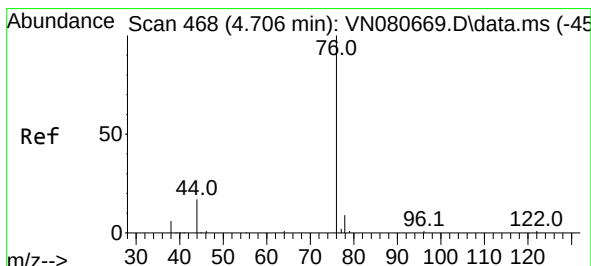
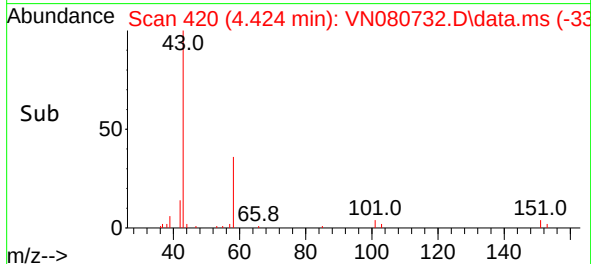
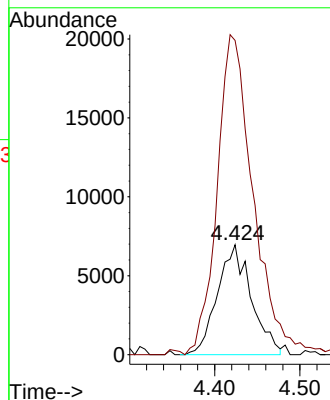
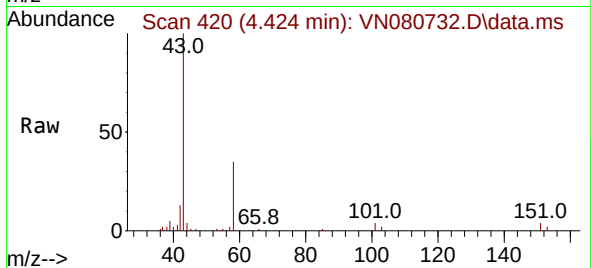
43 282.8 223.1 334.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/23/2024

Supervised By :Mahesh Dadoda 01/23/2024



#16

Carbon Disulfide

Concen: 17.852 ug/l

RT: 4.706 min Scan# 468

Delta R.T. 0.000 min

Lab File: VN080732.D

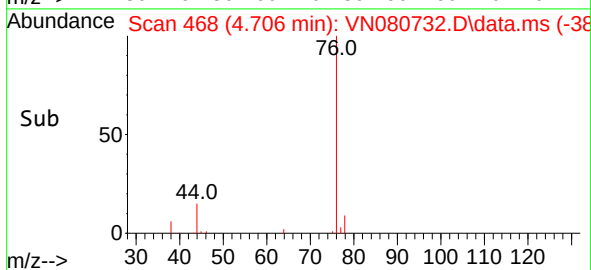
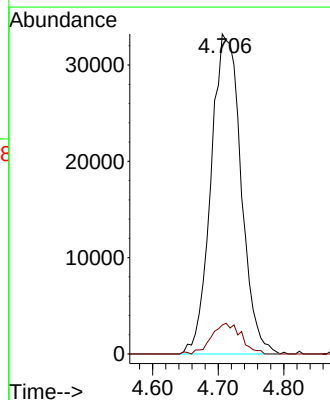
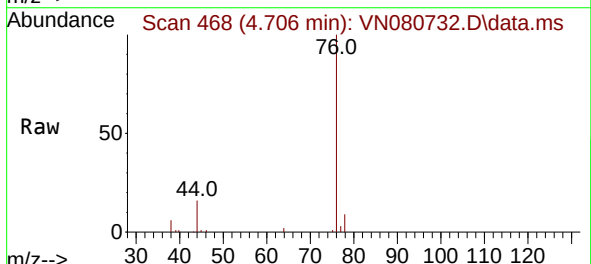
Acq: 22 Jan 2024 11:44

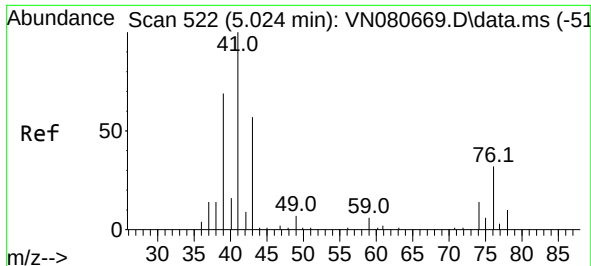
Tgt Ion: 76 Resp: 105886

Ion Ratio Lower Upper

76 100

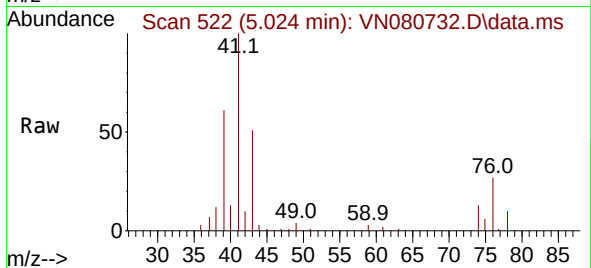
78 9.1 6.3 9.5





#17  
 Allyl chloride  
 Concen: 17.986 ug/l  
 RT: 5.024 min Scan# 51  
 Delta R.T. -0.000 min  
 Lab File: VN080732.D  
 Acq: 22 Jan 2024 11:44

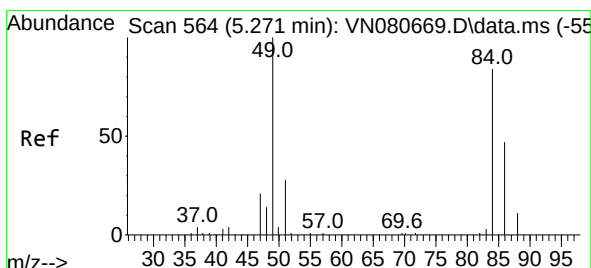
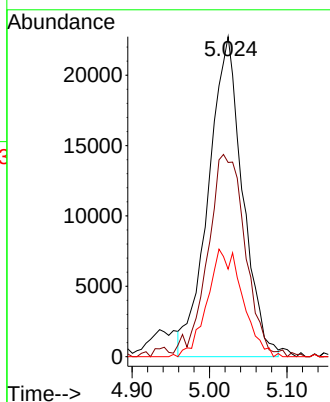
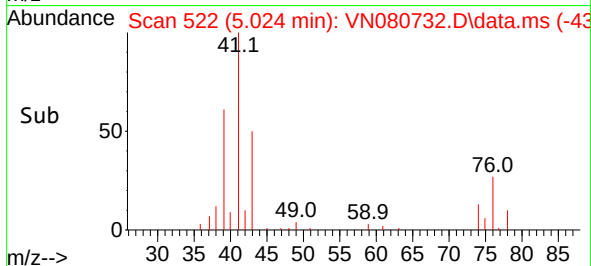
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0122WBS01



Tgt Ion: 41 Resp: 6970  
 Ion Ratio Lower Upper  
 41 100  
 39 58.8 37.6 112.9  
 76 27.9 27.8 83.4

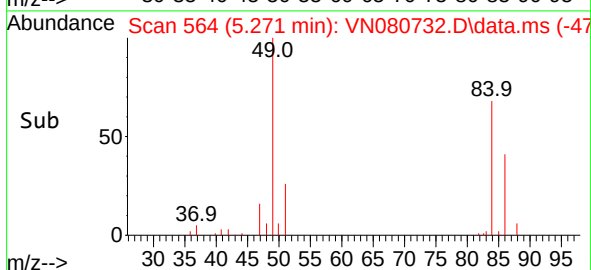
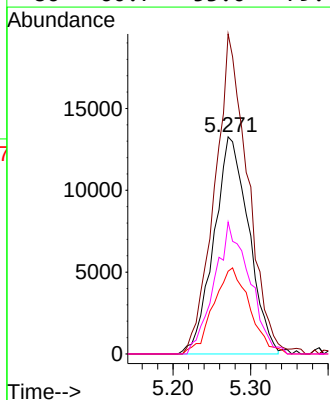
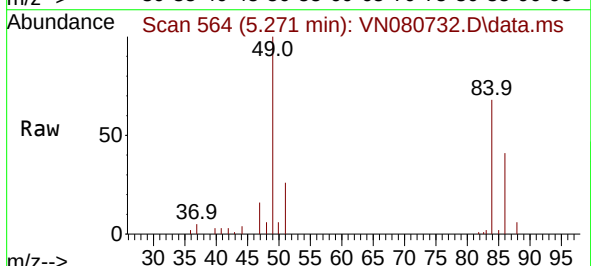
Manual Integrations  
 APPROVED

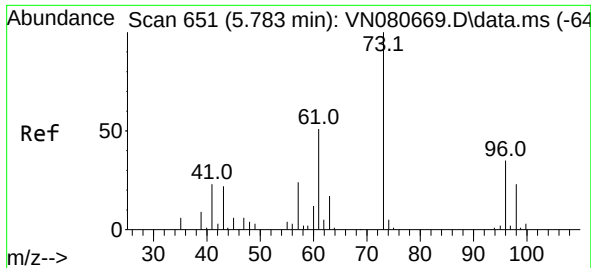
Reviewed By :John Carlone 01/23/2024  
 Supervised By :Mahesh Dadoda 01/23/2024



#18  
 Methylene Chloride  
 Concen: 18.650 ug/l  
 RT: 5.271 min Scan# 564  
 Delta R.T. -0.000 min  
 Lab File: VN080732.D  
 Acq: 22 Jan 2024 11:44

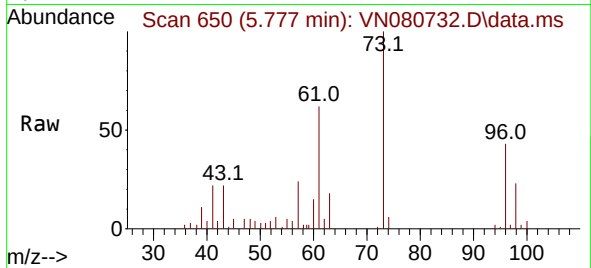
Tgt Ion: 84 Resp: 41493  
 Ion Ratio Lower Upper  
 84 100  
 49 147.3 86.0 129.0#  
 51 38.1 30.0 45.0  
 86 60.7 53.0 79.4





#19  
trans-1,2-Dichloroethene  
Concen: 19.228 ug/l  
RT: 5.777 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

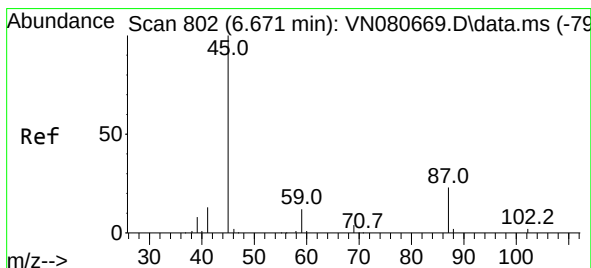
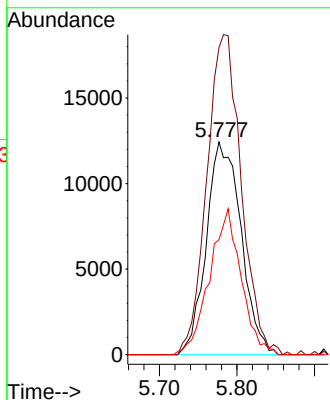
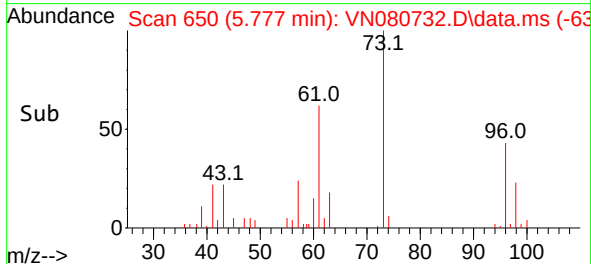
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01



Tgt Ion: 96 Resp: 3870  
Ion Ratio Lower Upper  
96 100  
61 144.4 111.8 167.6  
98 54.1 49.2 73.8

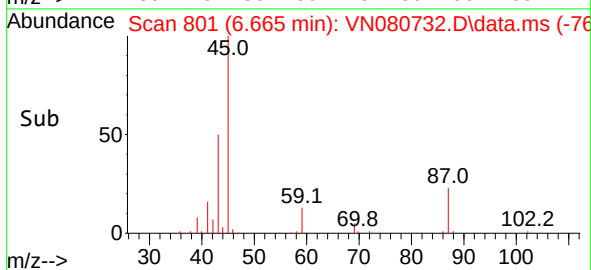
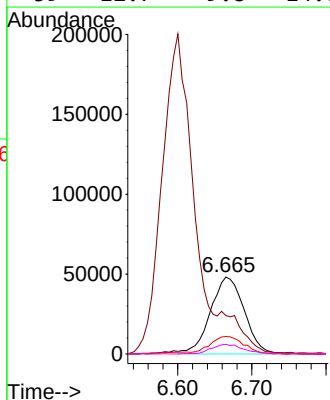
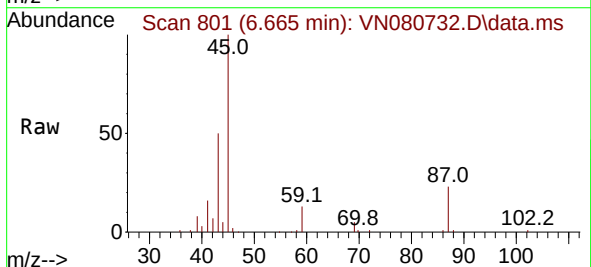
Manual Integrations  
APPROVED

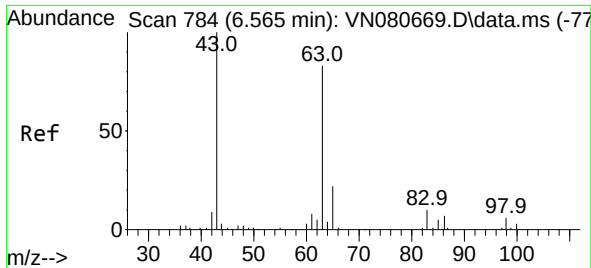
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#20  
Diisopropyl ether  
Concen: 19.338 ug/l  
RT: 6.665 min Scan# 801  
Delta R.T. -0.006 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion: 45 Resp: 152091  
Ion Ratio Lower Upper  
45 100  
43 49.2 40.4 60.6  
87 22.6 23.8 35.8  
59 12.7 9.8 14.6





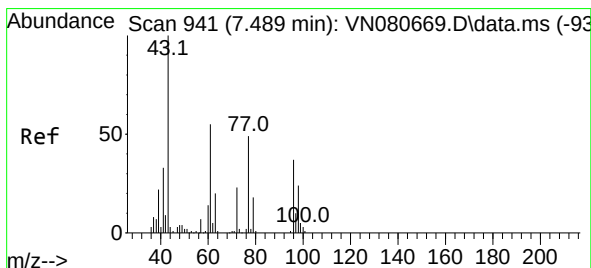
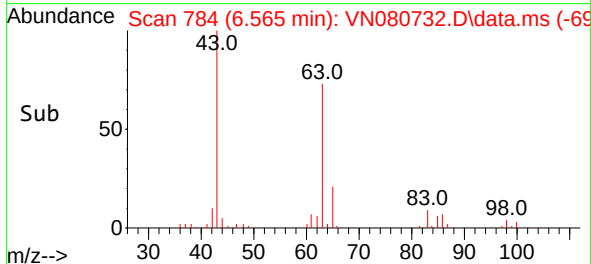
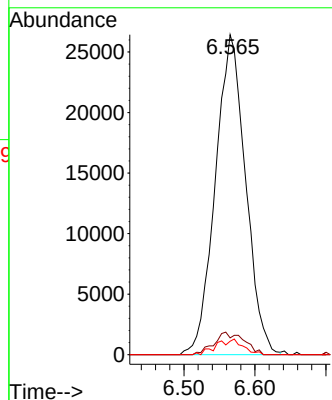
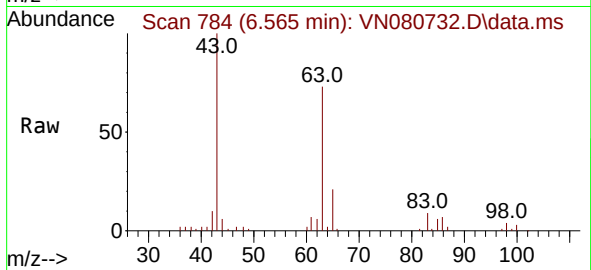
#21  
1,1-Dichloroethane  
Concen: 18.299 ug/l  
RT: 6.565 min Scan# 784  
Delta R.T. -0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01

Tgt Ion: 63 Resp: 7815  
Ion Ratio Lower Upper  
63 100  
98 5.2 4.1 12.3  
100 4.2 3.0 9.0

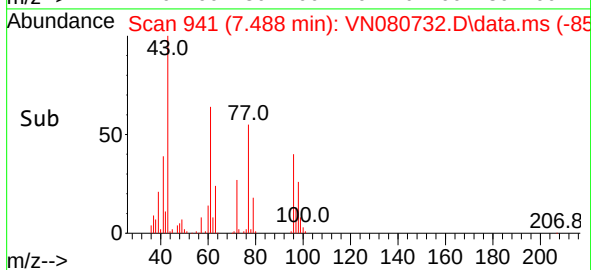
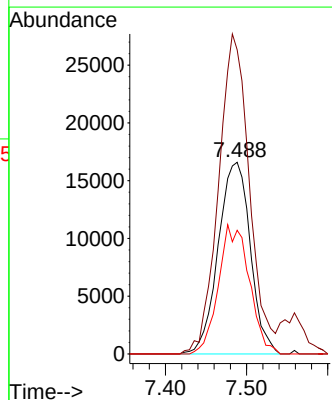
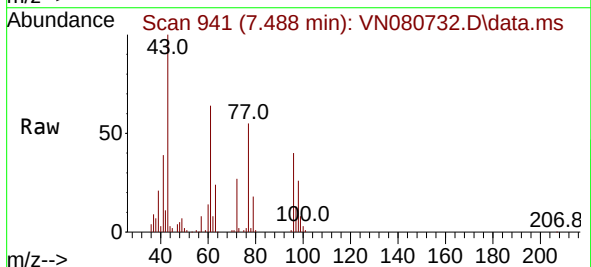
Manual Integrations  
APPROVED

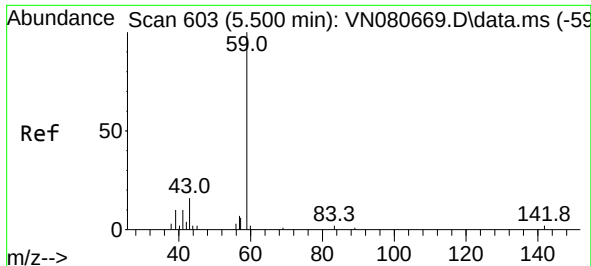
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#22  
cis-1,2-Dichloroethene  
Concen: 19.362 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. -0.001 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion: 96 Resp: 45595  
Ion Ratio Lower Upper  
96 100  
61 160.1 113.5 170.3  
98 32.9 52.0 78.0#





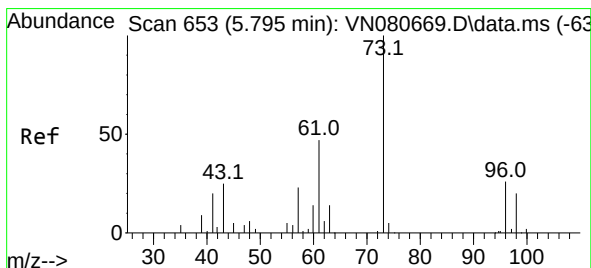
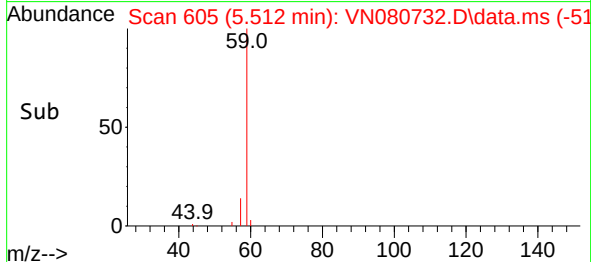
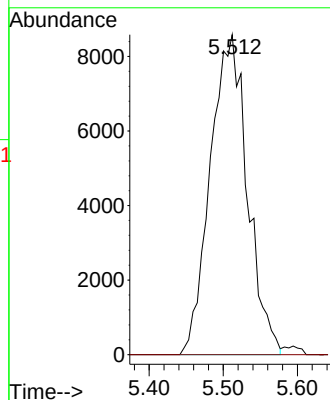
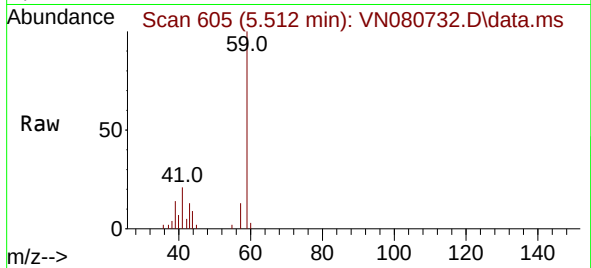
#23  
tert-Butyl Alcohol  
Concen: 84.730 ug/l  
RT: 5.512 min Scan# 603  
Delta R.T. 0.012 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01

Tgt Ion: 59 Resp: 29828  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0

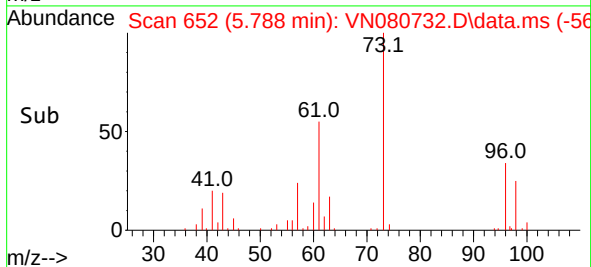
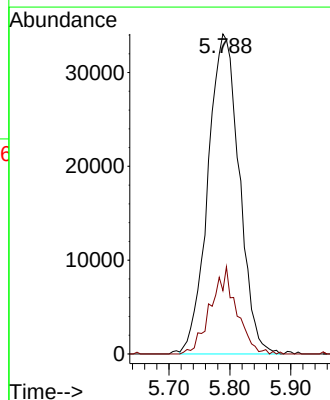
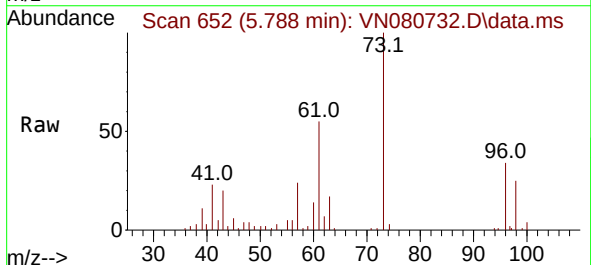
Manual Integrations  
APPROVED

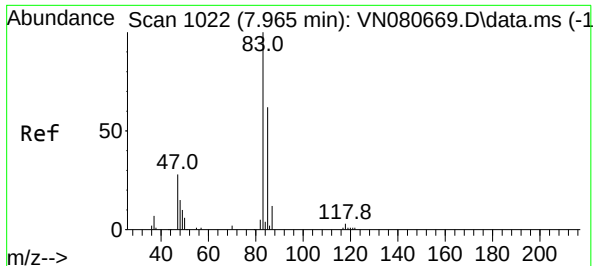
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#24  
Methyl tert-Butyl Ether  
Concen: 17.553 ug/l  
RT: 5.788 min Scan# 652  
Delta R.T. -0.007 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion: 73 Resp: 121513  
Ion Ratio Lower Upper  
73 100  
43 10.5 13.4 20.2#





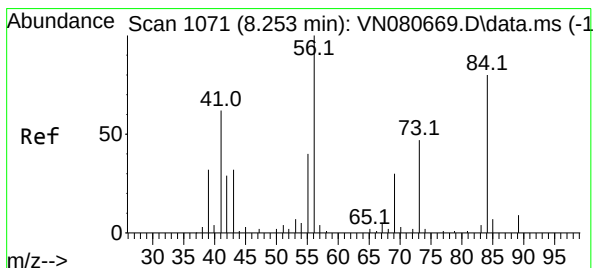
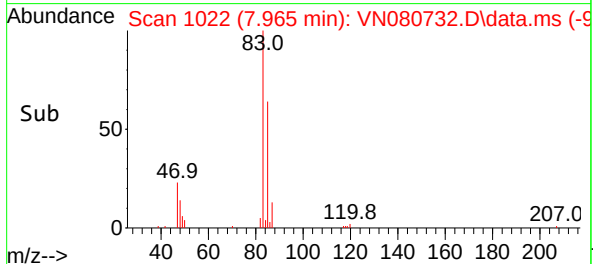
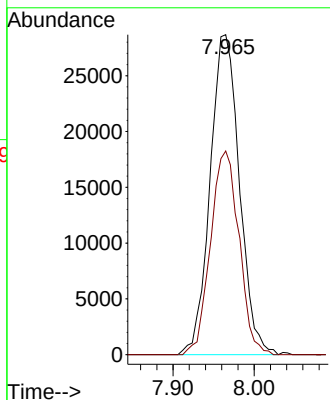
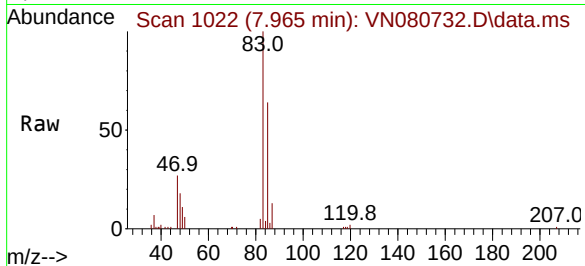
#25  
Chloroform  
Concen: 18.109 ug/l  
RT: 7.965 min Scan# 1022  
Delta R.T. -0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01

Tgt Ion: 83 Resp: 72010  
Ion Ratio Lower Upper  
83 100  
85 63.7 50.9 76.3

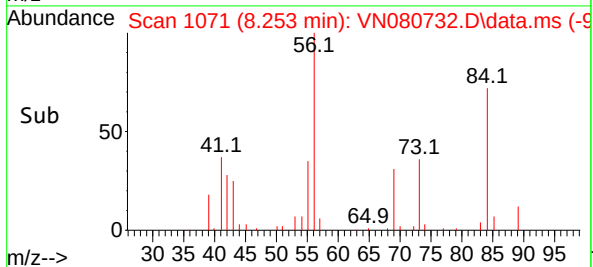
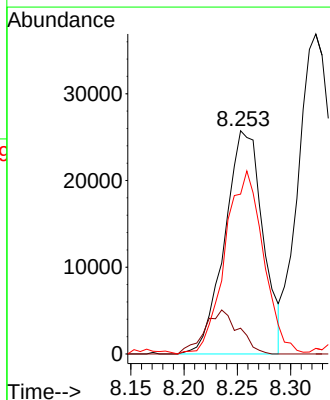
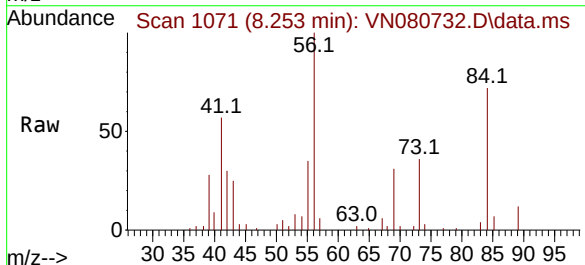
Manual Integrations  
APPROVED

Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024

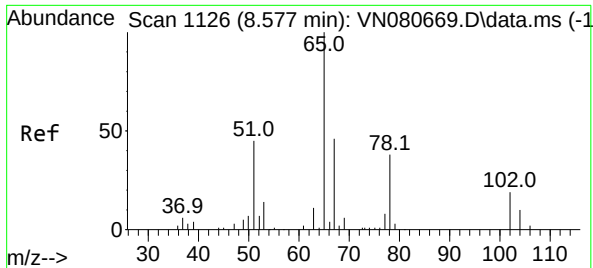


#26  
Cyclohexane  
Concen: 19.089 ug/l  
RT: 8.253 min Scan# 1071  
Delta R.T. 0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion: 56 Resp: 64113  
Ion Ratio Lower Upper  
56 100  
89 17.7 19.3 28.9#  
84 82.0 71.3 106.9







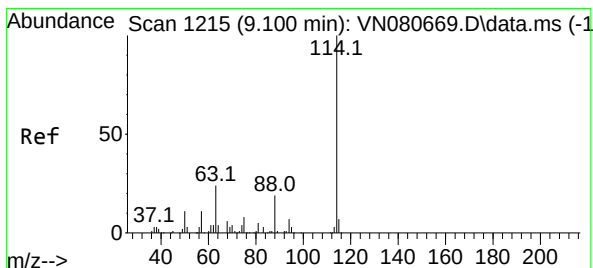
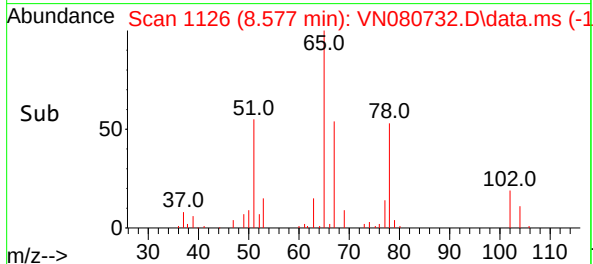
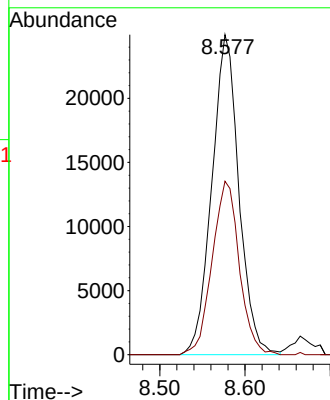
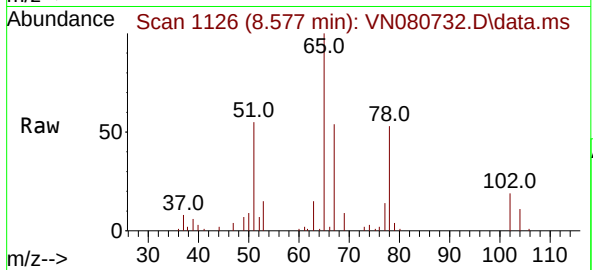
#27  
1,2-Dichloroethane-d4  
Concen: 29.037 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01

Tgt Ion: 65 Resp: 55120  
Ion Ratio Lower Upper  
65 100  
67 54.1 43.2 64.8

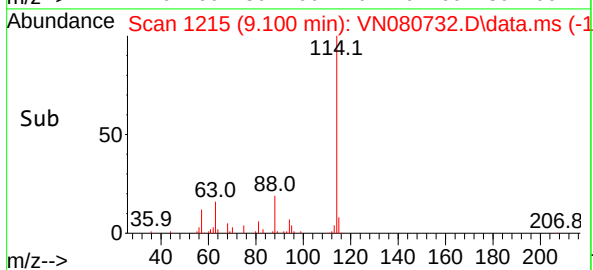
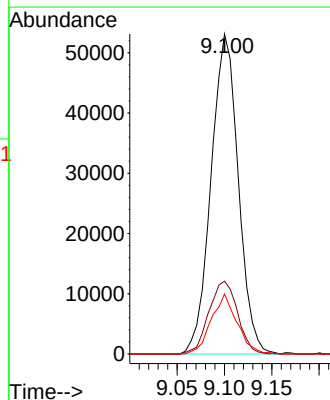
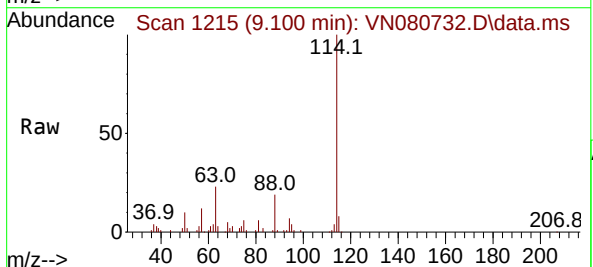
Manual Integrations  
APPROVED

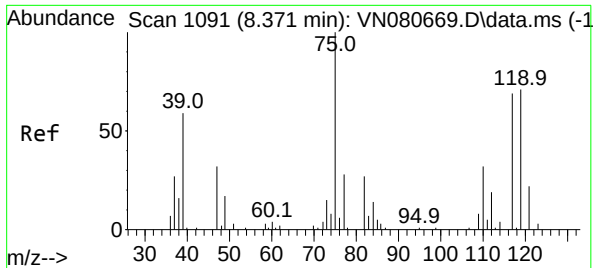
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. 0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion:114 Resp: 106357  
Ion Ratio Lower Upper  
114 100  
63 23.8 15.9 23.9  
88 17.7 12.7 19.1





#29  
1,1-Dichloropropene  
Concen: 17.563 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. -0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Instrument :

MSVOA\_N

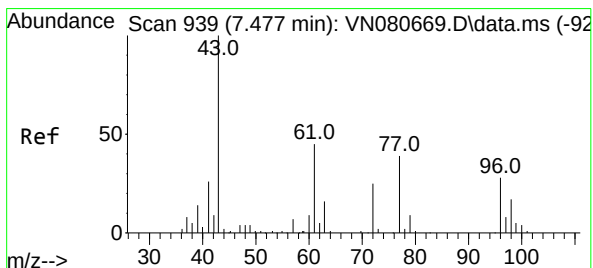
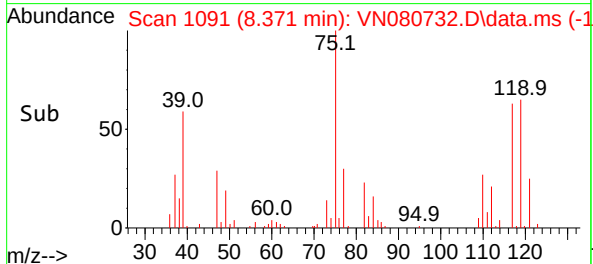
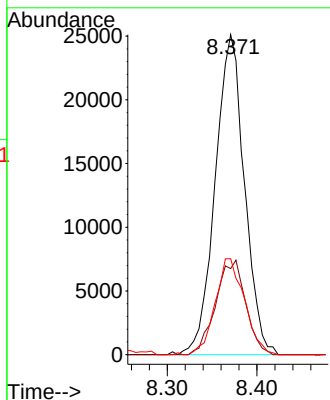
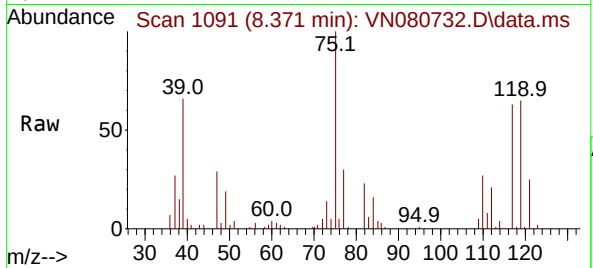
ClientSampleId :

VN0122WBS01

Tgt Ion: 75 Resp: 5678  
Ion Ratio Lower Upper  
75 100  
110 30.2 0.0 70.2  
77 30.0 0.0 61.4

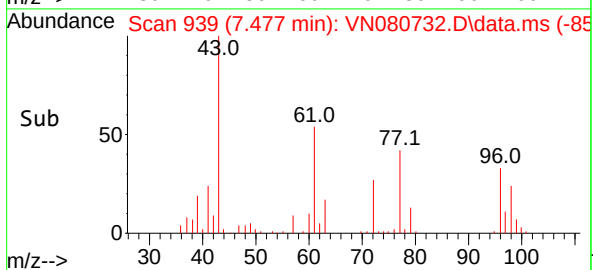
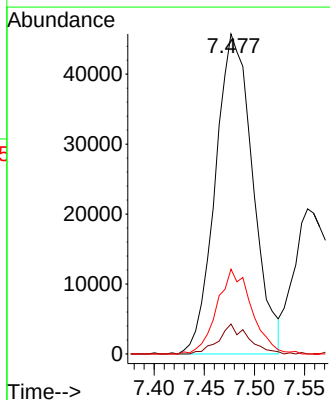
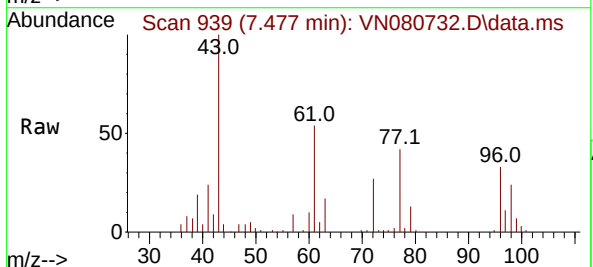
Manual Integrations  
APPROVED

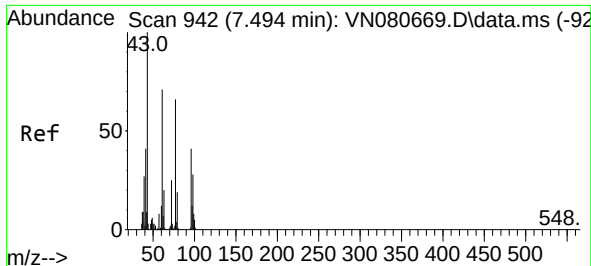
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#30  
2-Butanone  
Concen: 83.241 ug/l  
RT: 7.477 min Scan# 939  
Delta R.T. -0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion: 43 Resp: 119087  
Ion Ratio Lower Upper  
43 100  
57 7.4 6.7 10.1  
72 24.5 24.0 36.0





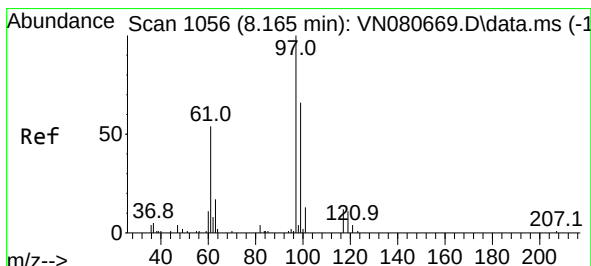
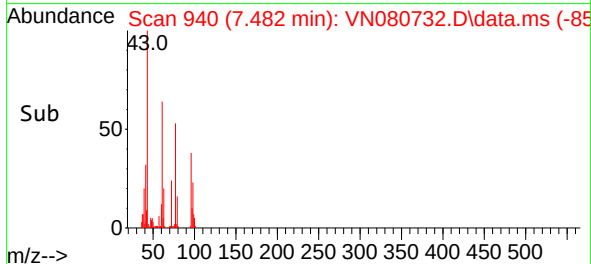
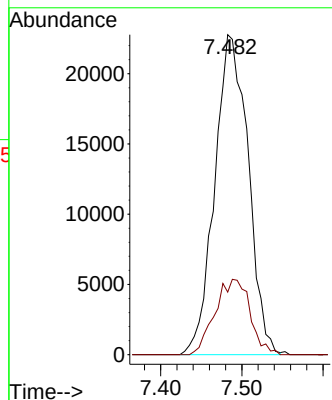
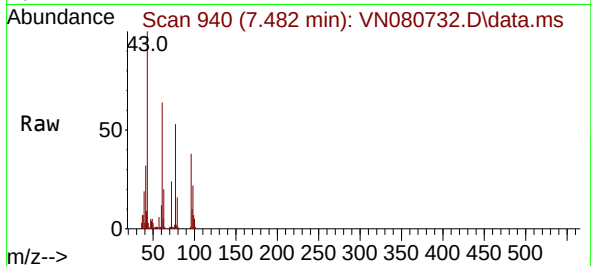
#31  
2,2-Dichloropropane  
Concen: 16.804 ug/l  
RT: 7.482 min Scan# 942  
Delta R.T. -0.012 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01

Tgt Ion: 77 Resp: 65264  
Ion Ratio Lower Upper  
77 100  
97 24.6 18.3 27.5

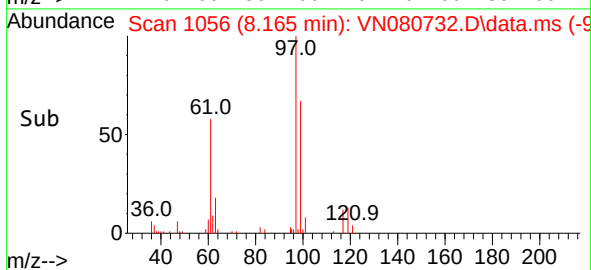
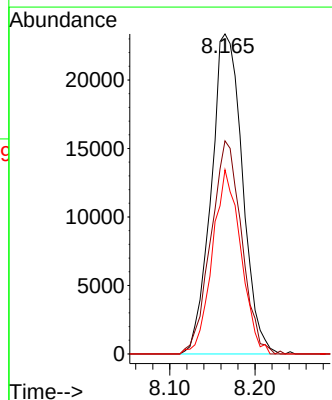
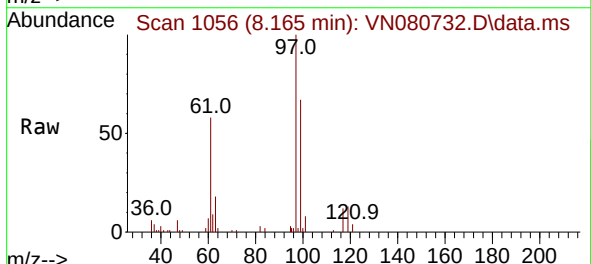
Manual Integrations  
APPROVED

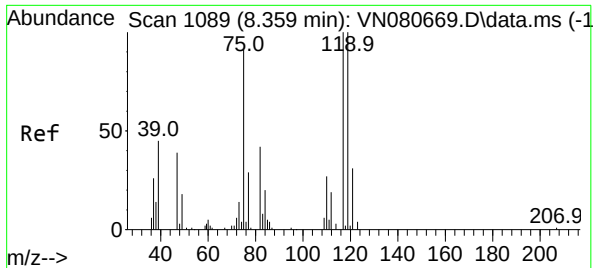
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#32  
1,1,1-Trichloroethane  
Concen: 16.708 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

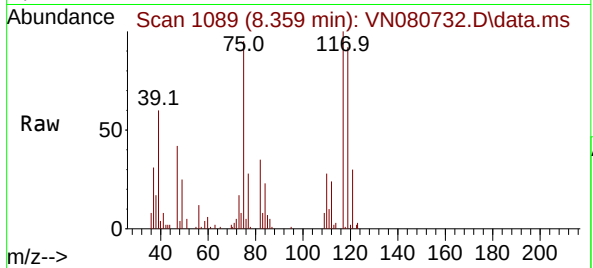
Tgt Ion: 97 Resp: 59437  
Ion Ratio Lower Upper  
97 100  
99 65.5 51.0 76.4  
61 52.5 33.8 50.8#





#33  
Carbon Tetrachloride  
Concen: 16.580 ug/l  
RT: 8.359 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

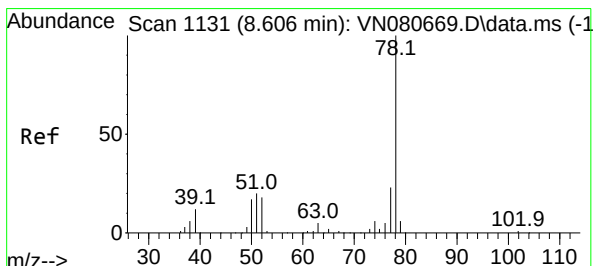
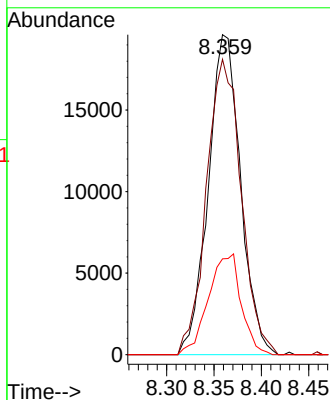
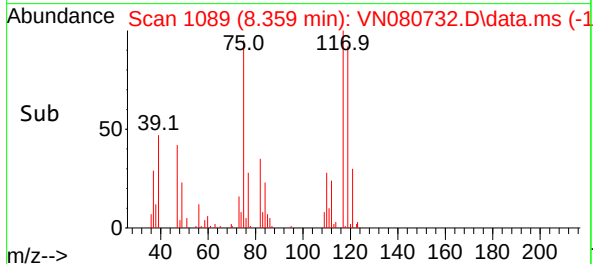
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01



Tgt Ion: 117 Resp: 4658  
Ion Ratio Lower Upper  
117 100  
119 92.3 77.7 116.5  
121 29.9 27.0 40.6

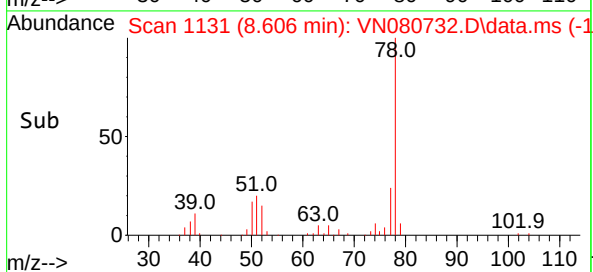
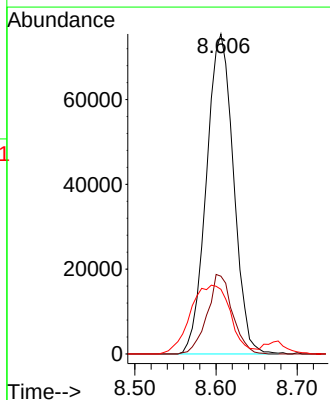
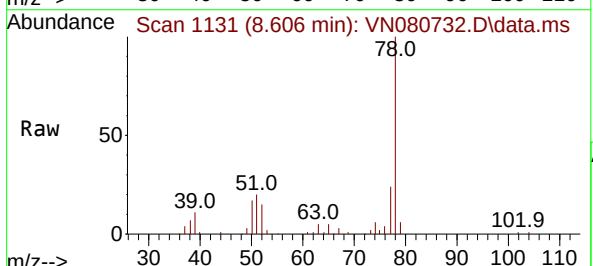
Manual Integrations  
APPROVED

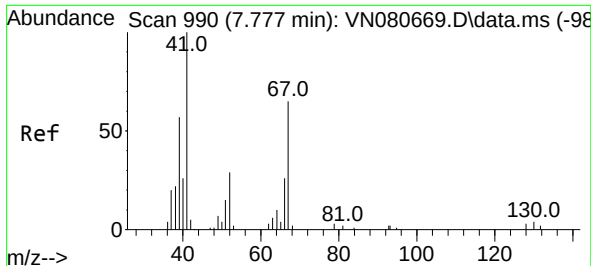
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#34  
Benzene  
Concen: 18.207 ug/l  
RT: 8.606 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

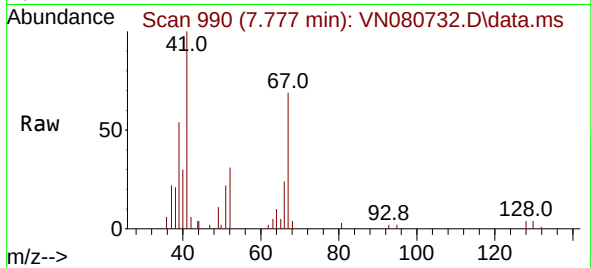
Tgt Ion: 78 Resp: 174594  
Ion Ratio Lower Upper  
78 100  
77 24.3 19.2 28.8  
51 16.4 13.3 19.9





#35  
Methacrylonitrile  
Concen: 17.189 ug/l  
RT: 7.777 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

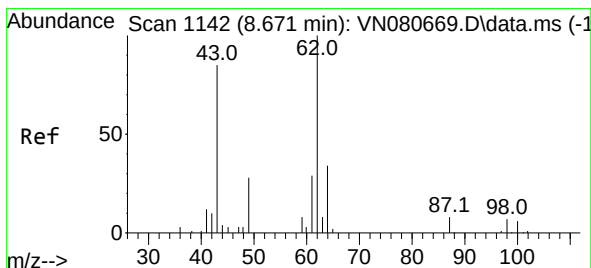
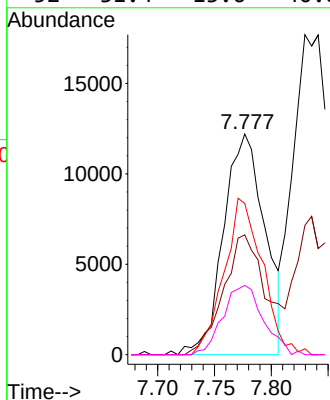
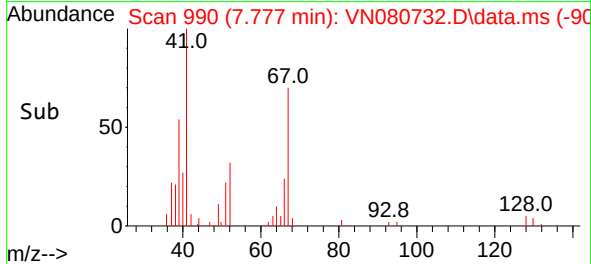
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01



Tgt Ion: 41 Resp: 3085  
Ion Ratio Lower Upper  
41 100  
39 54.3 25.3 75.9  
67 68.5 38.7 116.1  
52 31.4 13.6 40.8

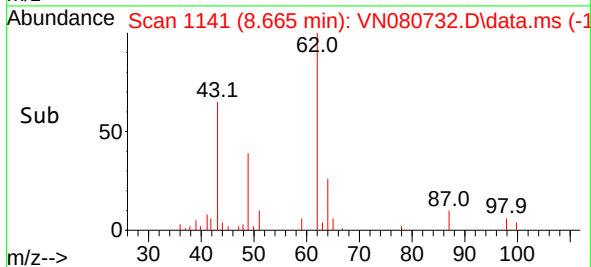
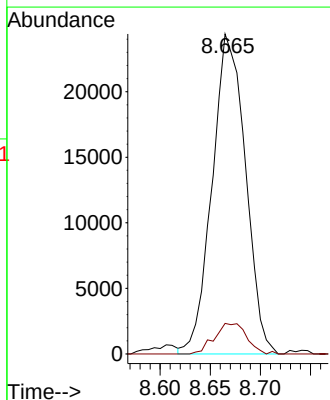
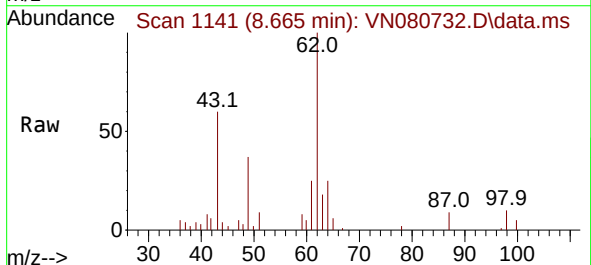
Manual Integrations  
APPROVED

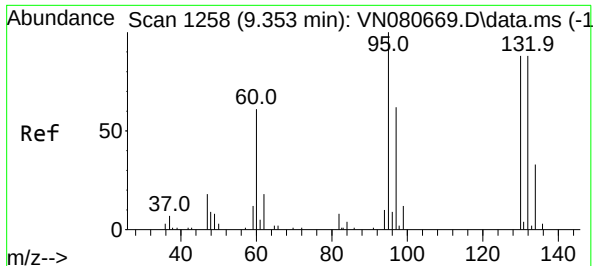
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#36  
1,2-Dichloroethane  
Concen: 15.983 ug/l  
RT: 8.665 min Scan# 1141  
Delta R.T. -0.006 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion: 62 Resp: 56357  
Ion Ratio Lower Upper  
62 100  
98 9.2 8.2 12.4





#37

Trichloroethene

Concen: 17.561 ug/l

RT: 9.347 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN080732.D

Acq: 22 Jan 2024 11:44

Instrument :

MSVOA\_N

ClientSampleId :

VN0122WBS01

Tgt Ion:130 Resp: 36728

Ion Ratio Lower Upper

130 100

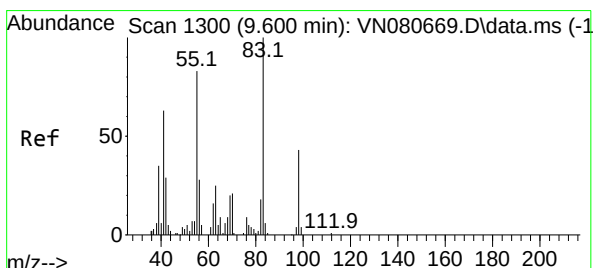
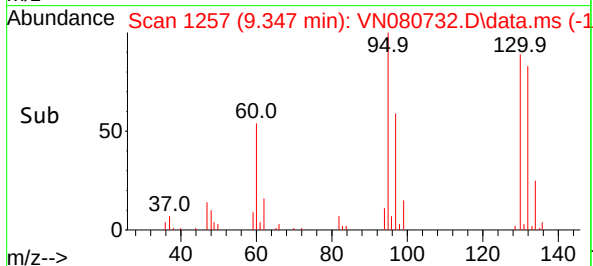
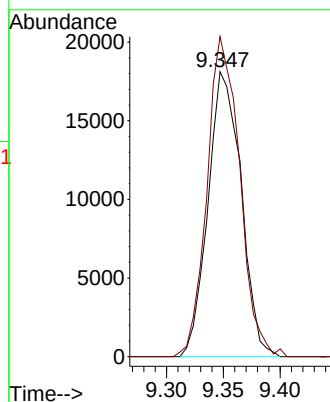
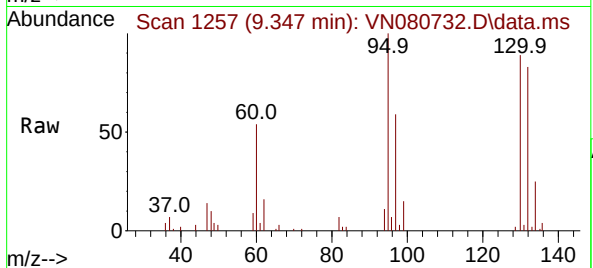
95 110.7 80.2 120.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/23/2024

Supervised By :Mahesh Dadoda 01/23/2024



#38

Methylcyclohexane

Concen: 18.534 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.000 min

Lab File: VN080732.D

Acq: 22 Jan 2024 11:44

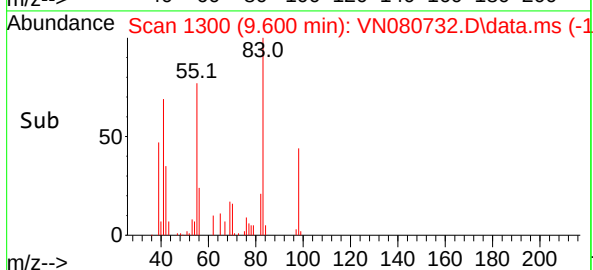
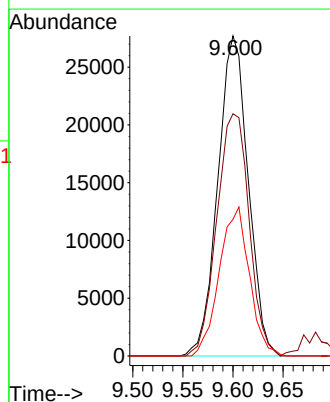
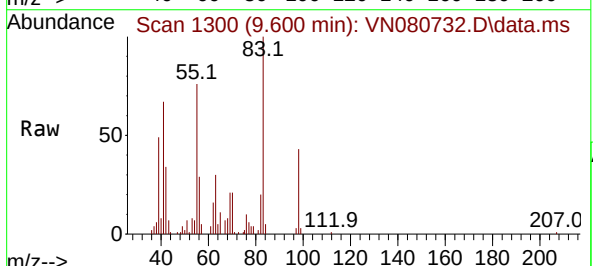
Tgt Ion: 83 Resp: 58375

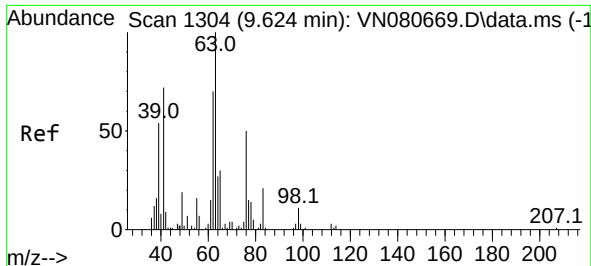
Ion Ratio Lower Upper

83 100

55 80.6 36.6 109.9

98 46.1 23.8 71.5





#39

1,2-Dichloropropane

Concen: 19.025 ug/l

RT: 9.624 min Scan# 1304

Delta R.T. -0.000 min

Lab File: VN080732.D

Acq: 22 Jan 2024 11:44

Instrument :

MSVOA\_N

ClientSampleId :

VN0122WBS01

Tgt Ion: 63 Resp: 4917

Ion Ratio Lower Upper

63 100

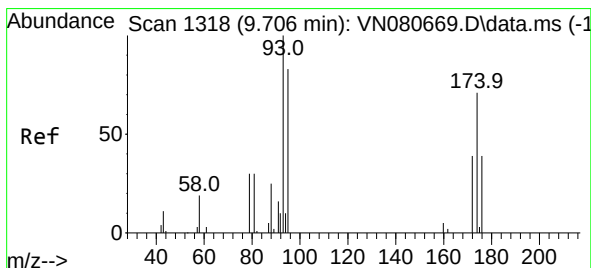
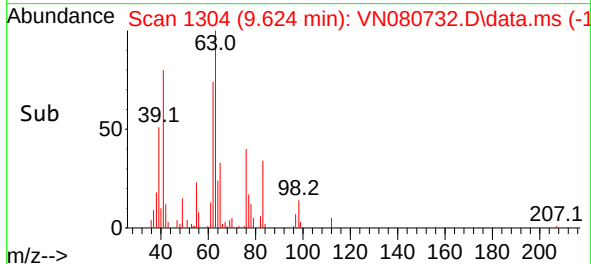
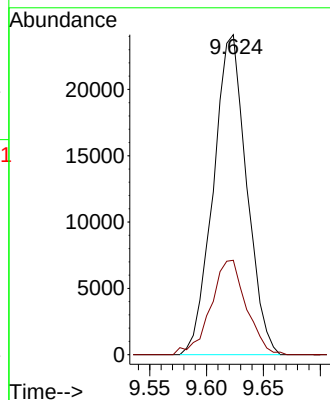
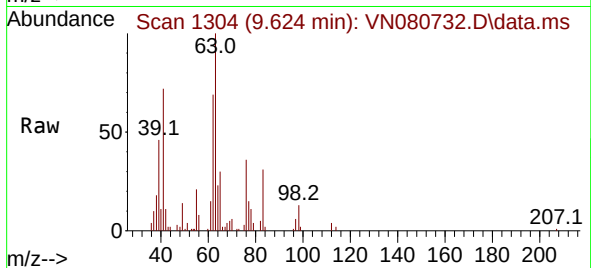
65 28.7 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/23/2024

Supervised By :Mahesh Dadoda 01/23/2024



#40

Dibromomethane

Concen: 17.168 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN080732.D

Acq: 22 Jan 2024 11:44

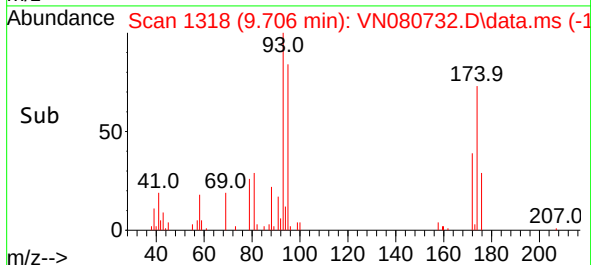
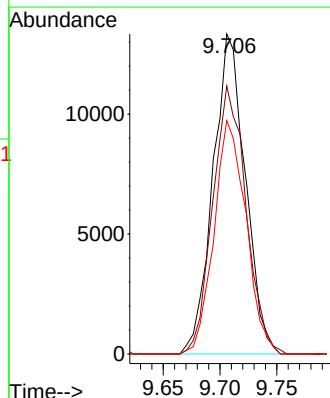
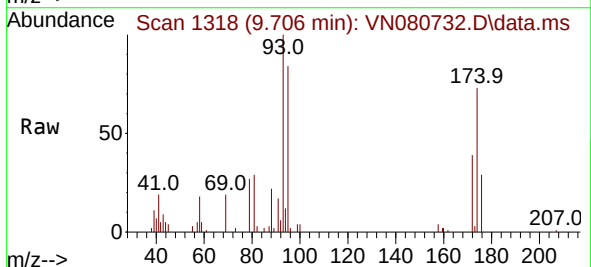
Tgt Ion: 93 Resp: 26402

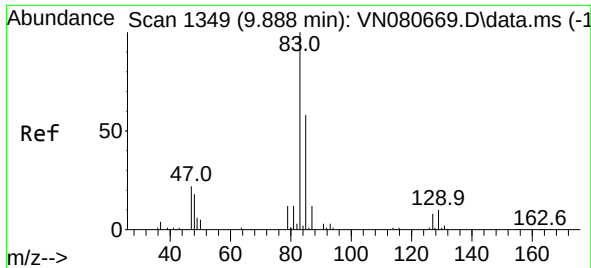
Ion Ratio Lower Upper

93 100

95 85.8 0.0 164.6

174 72.1 0.0 193.2





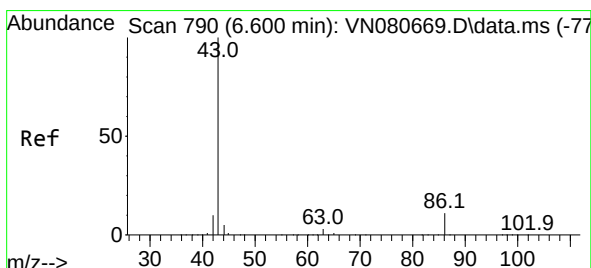
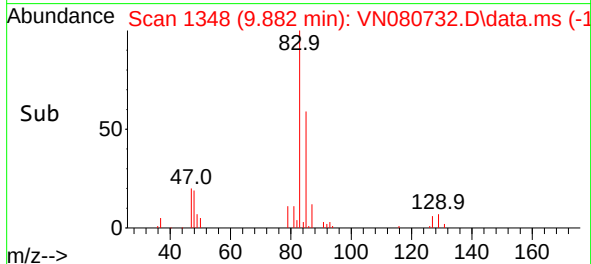
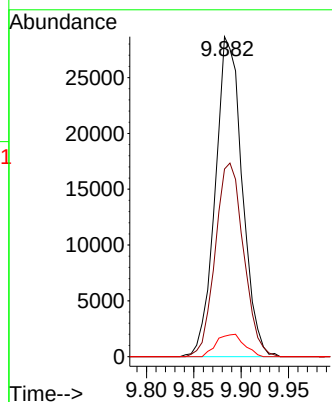
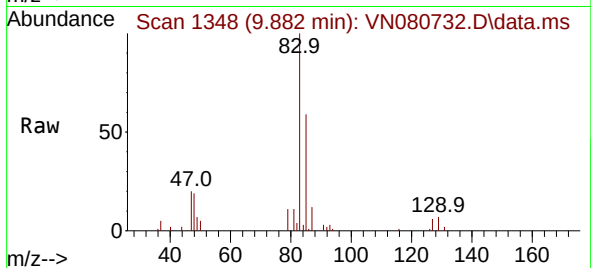
#41  
Bromodichloromethane  
Concen: 16.826 ug/l  
RT: 9.882 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01

Tgt Ion: 83 Resp: 5662  
Ion Ratio Lower Upper  
83 100  
85 58.6 49.4 74.2  
127 6.4 7.3 10.9

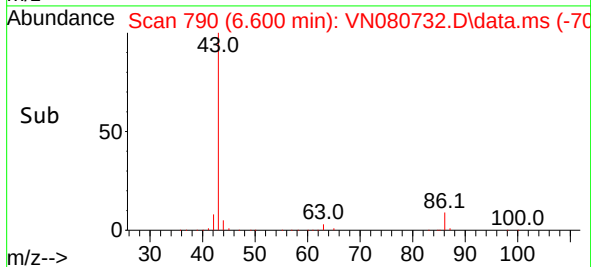
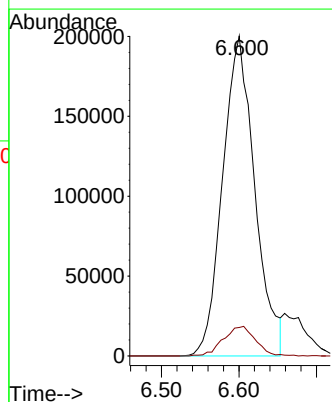
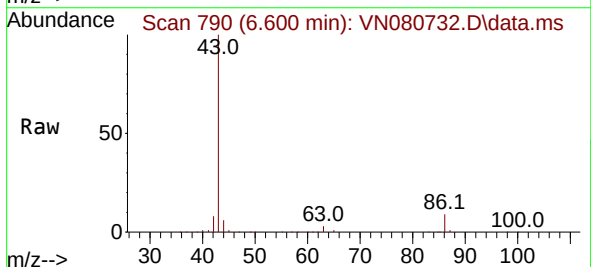
Manual Integrations  
APPROVED

Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024

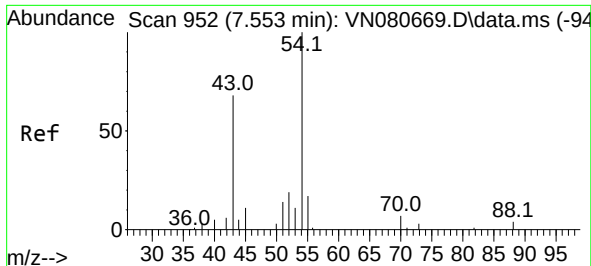


#42  
Vinyl Acetate  
Concen: 86.948 ug/l  
RT: 6.600 min Scan# 790  
Delta R.T. 0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion: 43 Resp: 578142  
Ion Ratio Lower Upper  
43 100  
86 9.2 9.4 14.2#







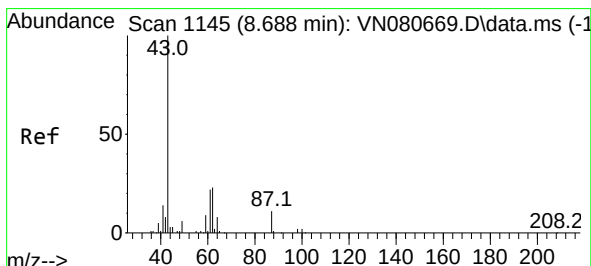
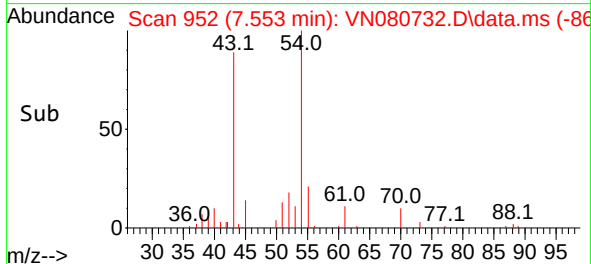
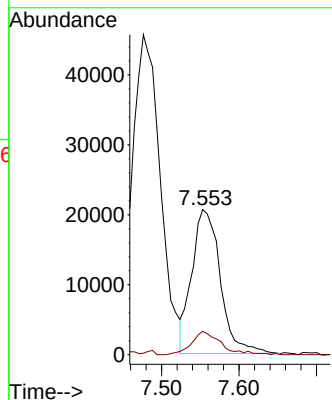
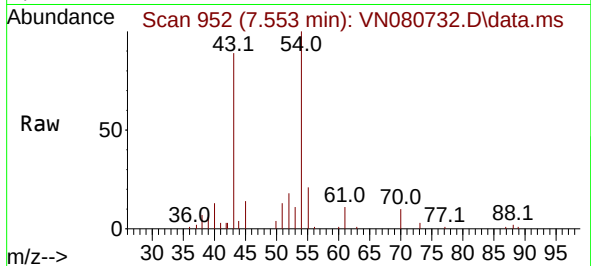
#43  
Ethyl Acetate  
Concen: 17.551 ug/l  
RT: 7.553 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01

Tgt Ion: 43 Resp: 52725  
Ion Ratio Lower Upper  
43 100  
45 15.1 10.6 15.8

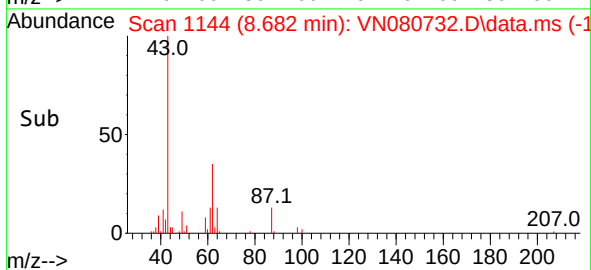
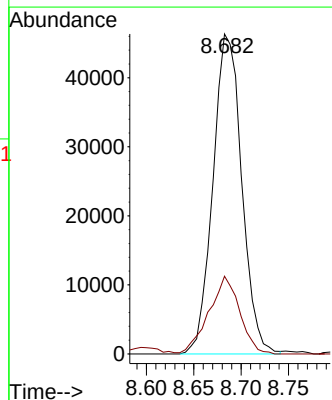
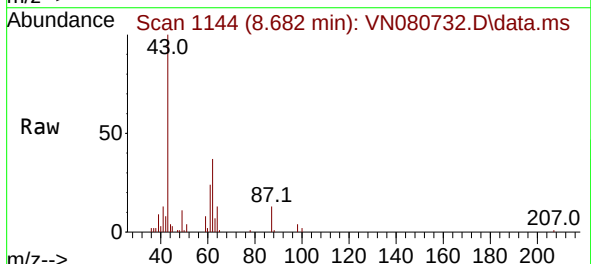
Manual Integrations  
APPROVED

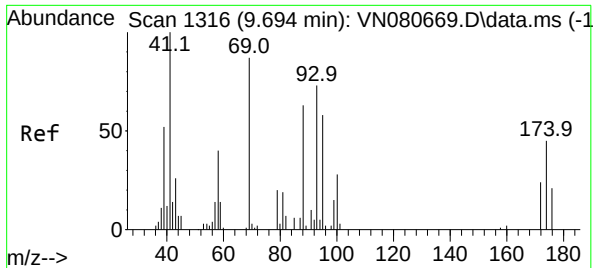
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#44  
Isopropyl Acetate  
Concen: 17.087 ug/l  
RT: 8.682 min Scan# 1144  
Delta R.T. -0.006 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion: 43 Resp: 97985  
Ion Ratio Lower Upper  
43 100  
61 25.9 25.0 37.4





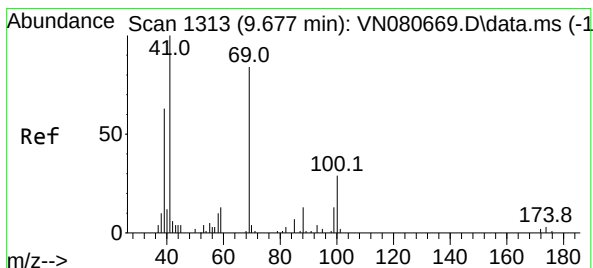
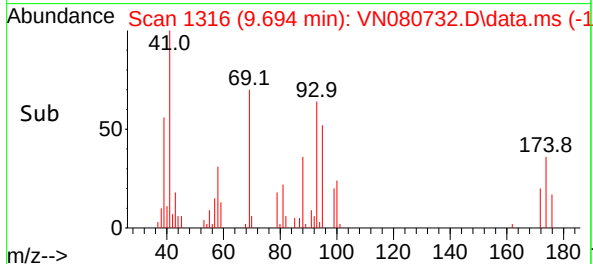
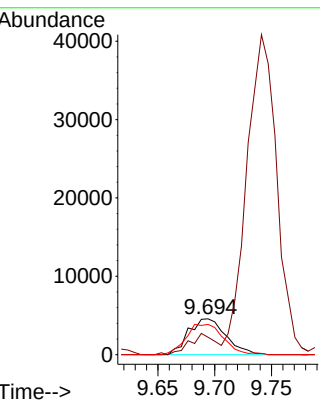
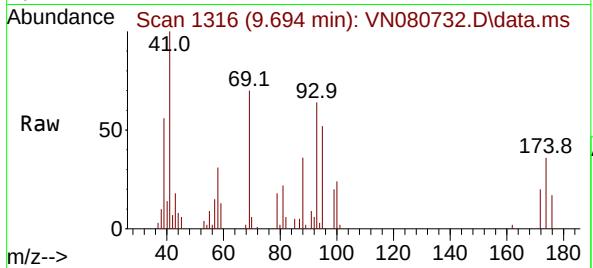
#45  
1,4-Dioxane  
Concen: 322.463 ug/l  
RT: 9.694 min Scan# 1316  
Delta R.T. 0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01

Tgt Ion: 88 Resp: 1051  
Ion Ratio Lower Upper  
88 100  
43 40.2 19.8 29.6  
58 83.6 55.4 83.0

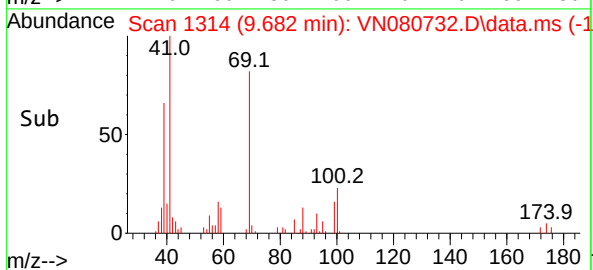
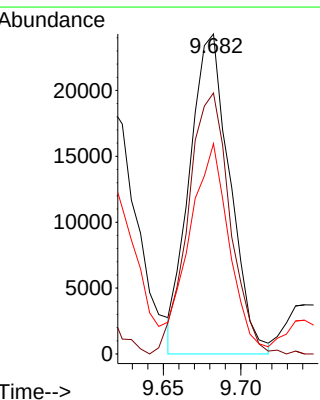
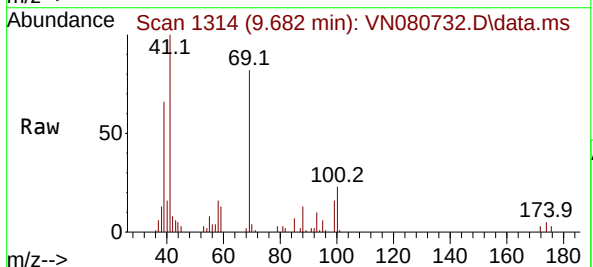
Manual Integrations  
APPROVED

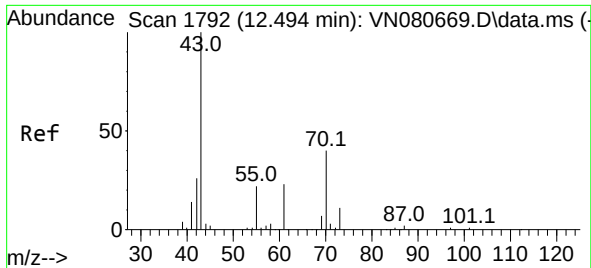
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#46  
Methyl methacrylate  
Concen: 16.271 ug/l  
RT: 9.682 min Scan# 1314  
Delta R.T. 0.005 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion: 41 Resp: 43936  
Ion Ratio Lower Upper  
41 100  
69 83.5 51.1 153.3  
39 65.6 25.8 77.3





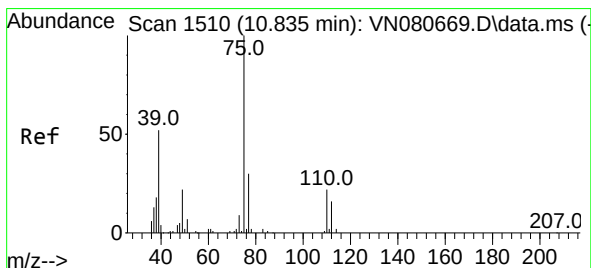
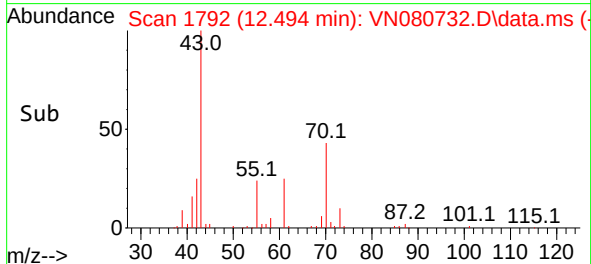
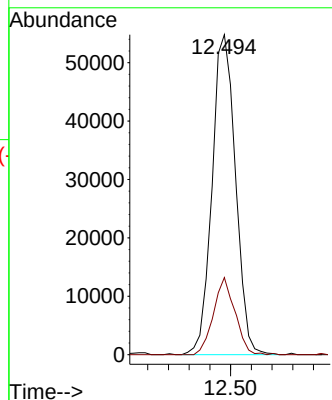
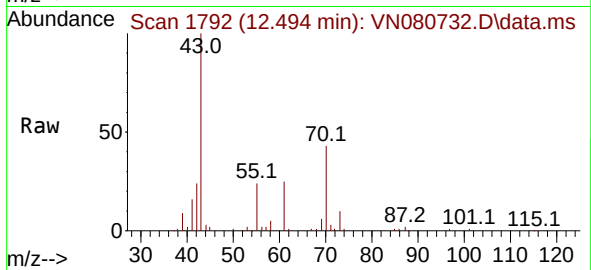
#47  
n-amy1 Acetate  
Concen: 16.775 ug/l m  
RT: 12.494 min Scan# 1792  
Delta R.T. -0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01

Tgt Ion: 43 Resp: 8632  
Ion Ratio Lower Upper  
43 100  
55 0.1 23.4 35.2

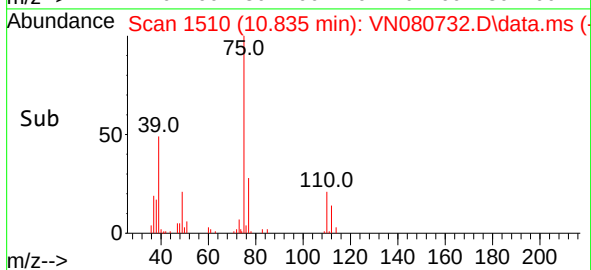
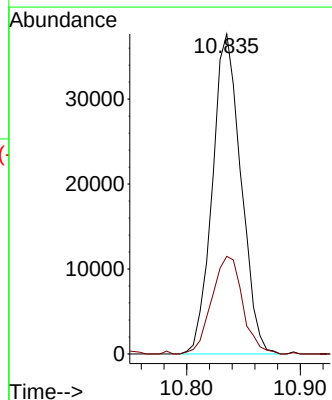
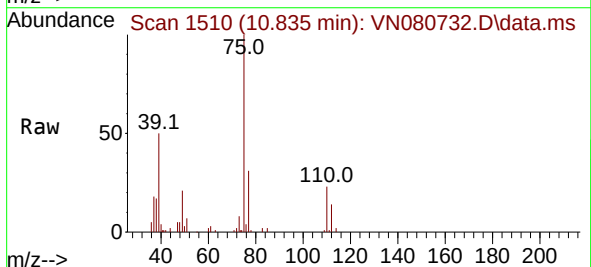
Manual Integrations  
APPROVED

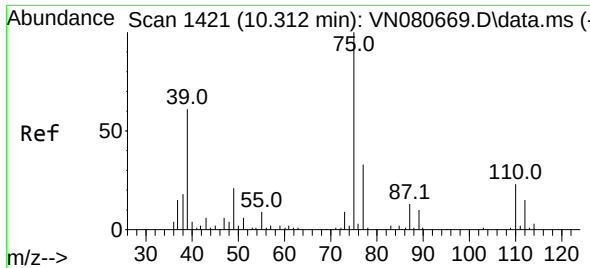
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#48  
t-1,3-Dichloropropene  
Concen: 16.622 ug/l  
RT: 10.835 min Scan# 1510  
Delta R.T. 0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

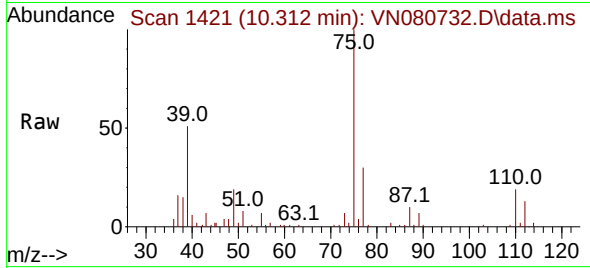
Tgt Ion: 75 Resp: 65914  
Ion Ratio Lower Upper  
75 100  
77 30.5 23.8 35.6





#49  
 cis-1,3-Dichloropropene  
 Concen: 17.211 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. -0.000 min  
 Lab File: VN080732.D  
 Acq: 22 Jan 2024 11:44

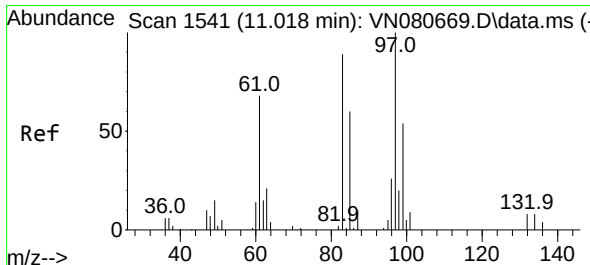
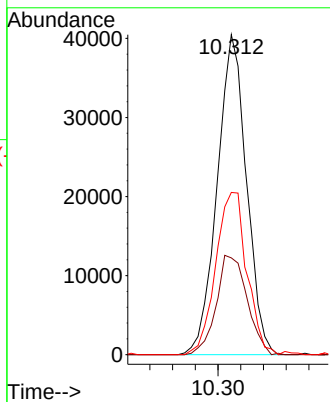
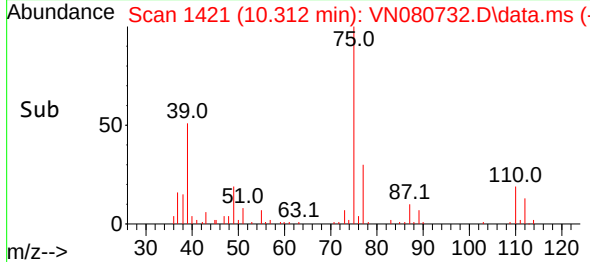
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0122WBS01



Tgt Ion: 75 Resp: 72438  
 Ion Ratio Lower Upper  
 75 100  
 77 30.3 24.9 37.3  
 39 50.7 31.0 46.6

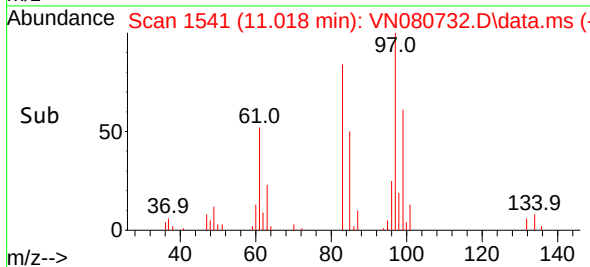
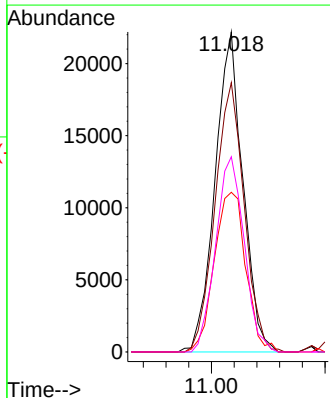
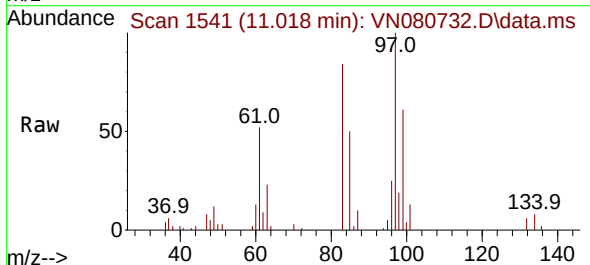
Manual Integrations  
 APPROVED

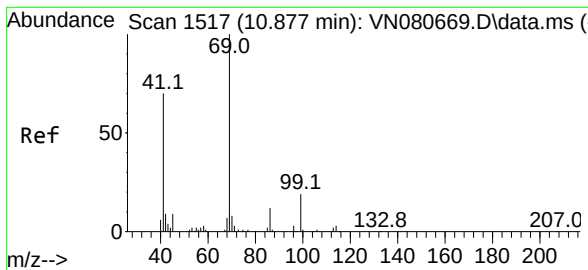
Reviewed By :John Carlone 01/23/2024  
 Supervised By :Mahesh Dadoda 01/23/2024



#50  
 1,1,2-Trichloroethane  
 Concen: 17.882 ug/l  
 RT: 11.018 min Scan# 1541  
 Delta R.T. -0.000 min  
 Lab File: VN080732.D  
 Acq: 22 Jan 2024 11:44

Tgt Ion: 97 Resp: 37768  
 Ion Ratio Lower Upper  
 97 100  
 83 84.2 68.1 102.1  
 85 49.9 41.8 62.6  
 99 61.0 47.0 70.4





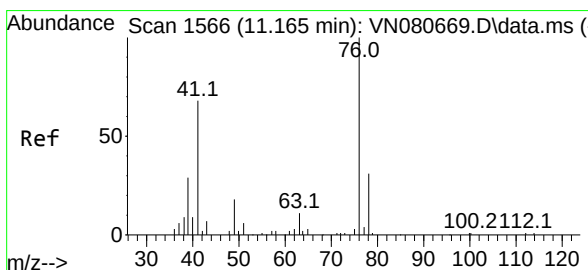
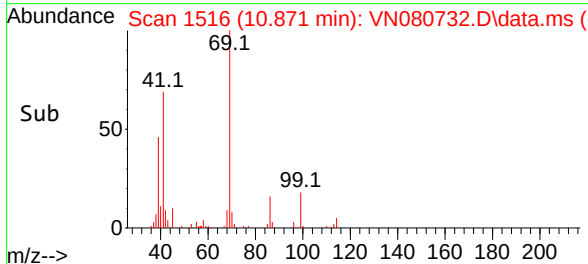
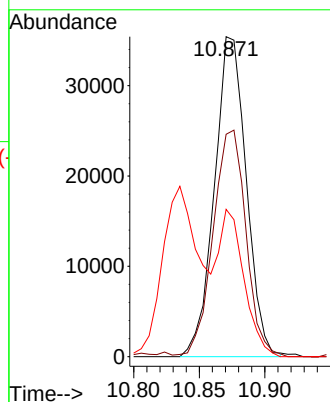
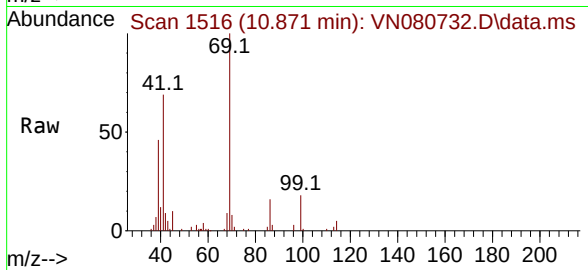
#51  
Ethyl methacrylate  
Concen: 16.412 ug/l  
RT: 10.871 min Scan# 1516  
Delta R.T. -0.007 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01

Tgt Ion: 69 Resp: 5992  
Ion Ratio Lower Upper  
69 100  
41 68.8 25.5 76.5  
39 46.1 16.0 47.9

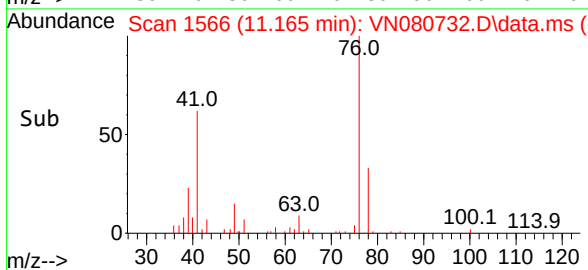
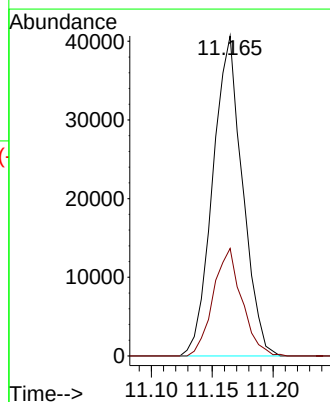
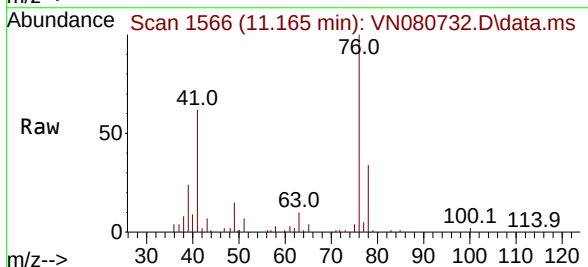
Manual Integrations  
APPROVED

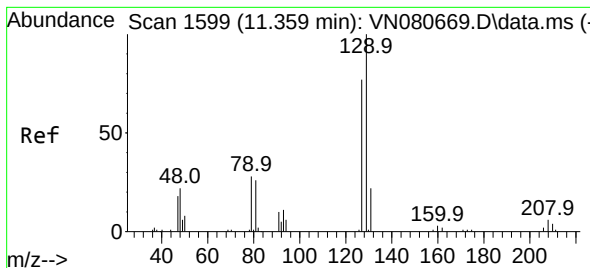
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#52  
1,3-Dichloropropane  
Concen: 17.416 ug/l  
RT: 11.165 min Scan# 1566  
Delta R.T. -0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion: 76 Resp: 69246  
Ion Ratio Lower Upper  
76 100  
78 32.3 0.0 65.8





#53

Dibromochloromethane

Concen: 17.099 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. -0.000 min

Lab File: VN080732.D

Acq: 22 Jan 2024 11:44

Instrument :

MSVOA\_N

ClientSampleId :

VN0122WBS01

Tgt Ion:129 Resp: 36138

Ion Ratio Lower Upper

129 100

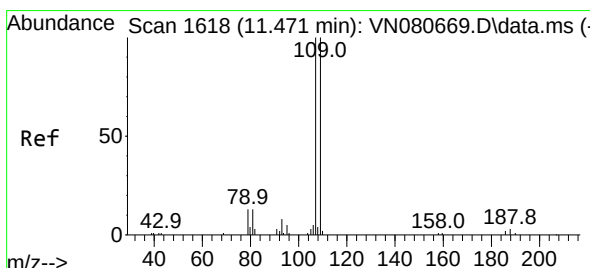
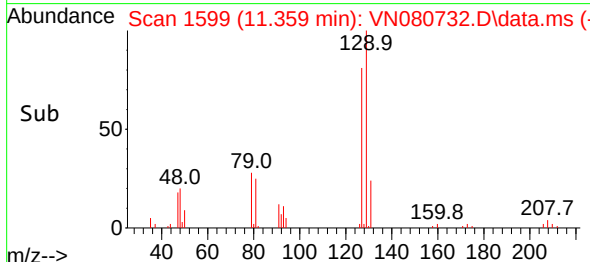
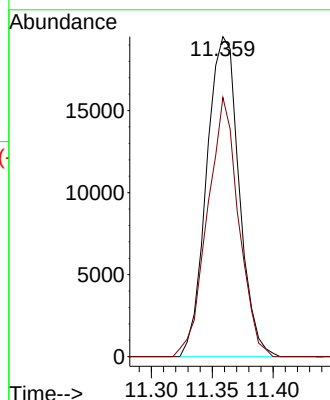
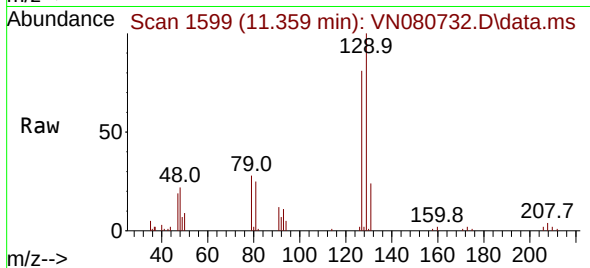
127 78.0 39.4 118.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/23/2024

Supervised By :Mahesh Dadoda 01/23/2024



#54

1,2-Dibromoethane

Concen: 16.655 ug/l

RT: 11.470 min Scan# 1618

Delta R.T. -0.001 min

Lab File: VN080732.D

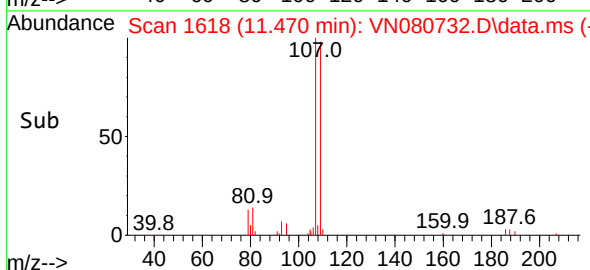
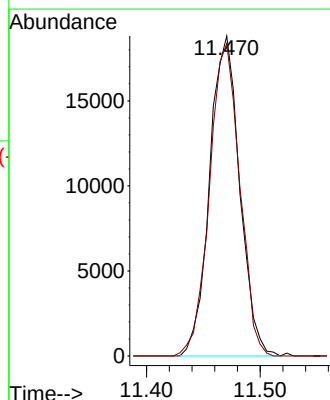
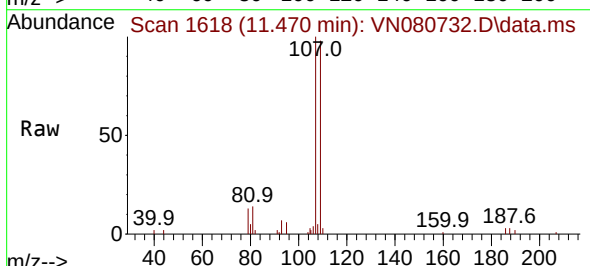
Acq: 22 Jan 2024 11:44

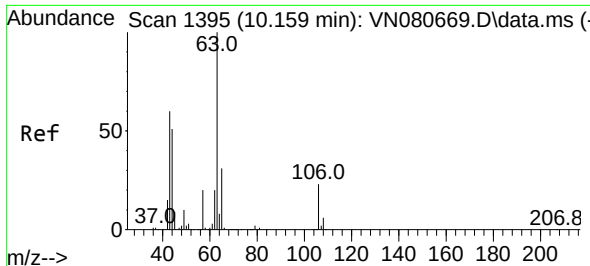
Tgt Ion:107 Resp: 34577

Ion Ratio Lower Upper

107 100

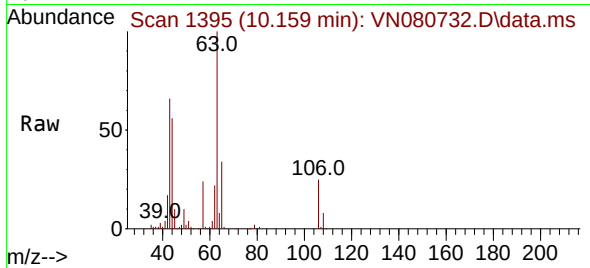
109 98.2 74.7 112.1





#55  
2-Chloroethyl vinyl ether  
Concen: 81.975 ug/l  
RT: 10.159 min Scan# 1395  
Delta R.T. -0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

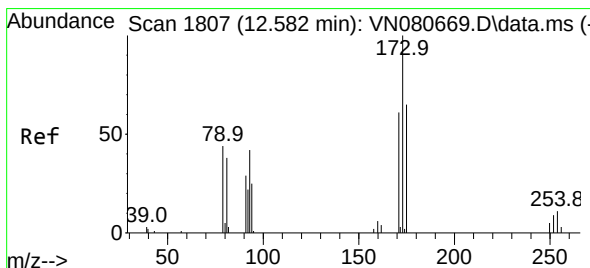
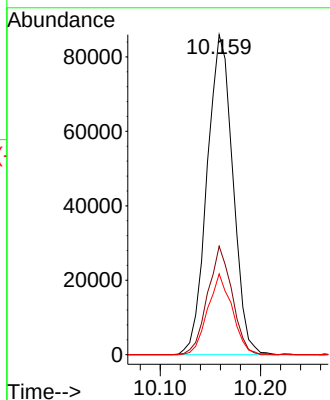
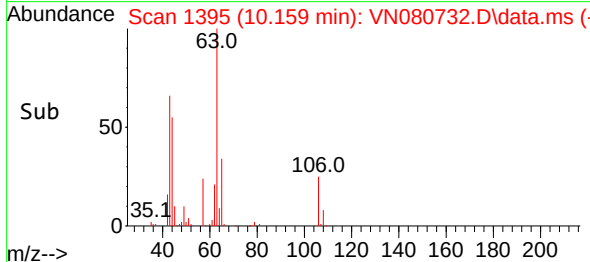
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01



Tgt Ion: 63 Resp: 153834  
Ion Ratio Lower Upper  
63 100  
65 32.2 26.2 39.2  
106 23.9 23.8 35.8

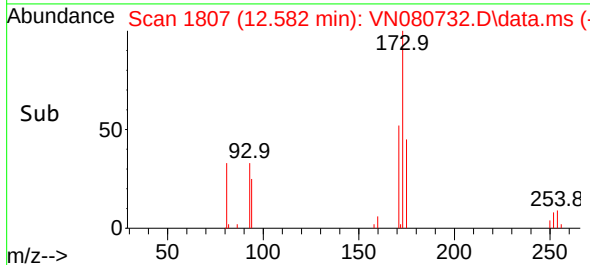
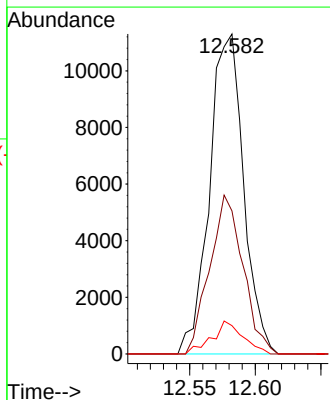
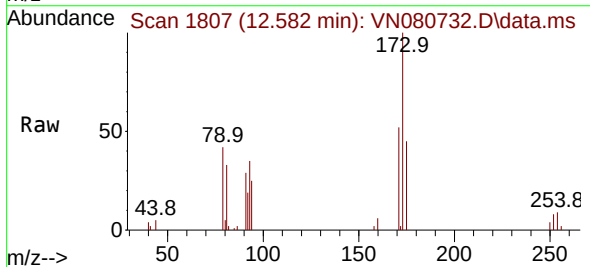
Manual Integrations  
APPROVED

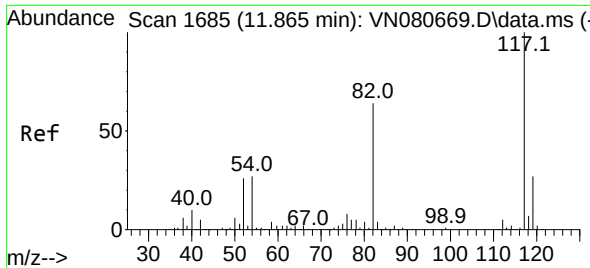
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#56  
Bromoform  
Concen: 16.325 ug/l  
RT: 12.582 min Scan# 1807  
Delta R.T. 0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

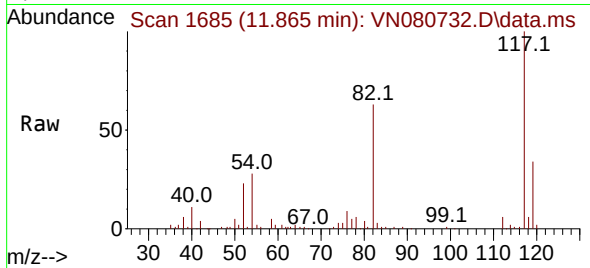
Tgt Ion:173 Resp: 20381  
Ion Ratio Lower Upper  
173 100  
175 48.6 40.0 60.0  
254 9.4 8.3 12.5





#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.865 min Scan# 11832  
Delta R.T. -0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

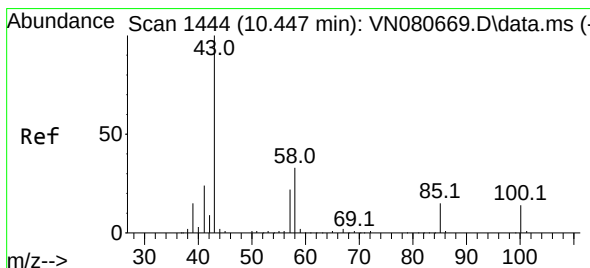
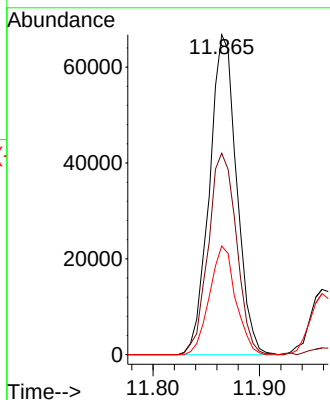
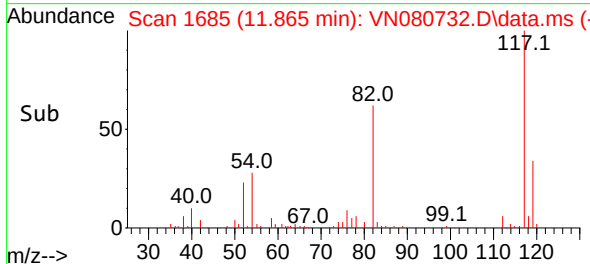
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01



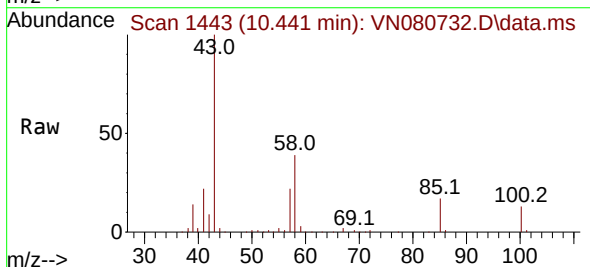
Tgt Ion:117 Resp: 11832  
Ion Ratio Lower Upper  
117 100  
82 65.4 46.6 69.8  
119 32.7 25.4 38.2

Manual Integrations  
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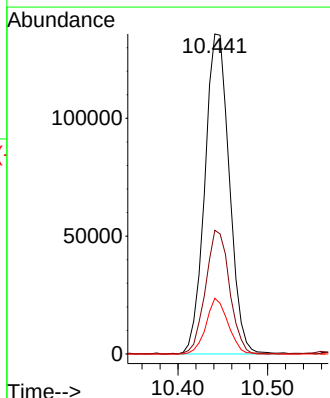
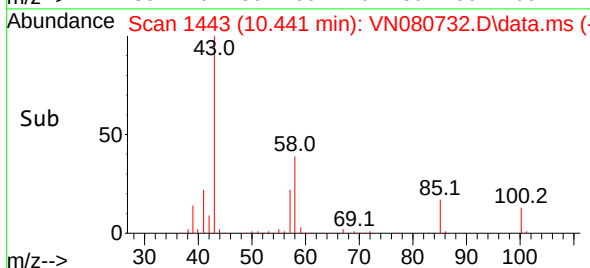
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



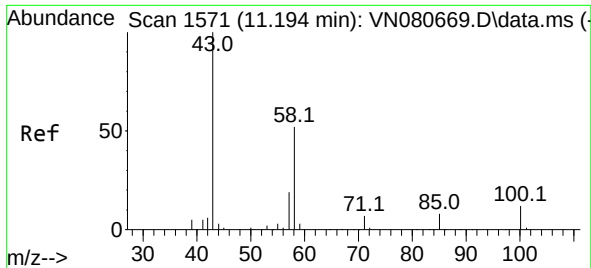
#58  
4-Methyl-2-Pentanone  
Concen: 82.694 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. -0.006 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44



Tgt Ion: 43 Resp: 257392  
Ion Ratio Lower Upper  
43 100  
58 37.9 36.5 54.7  
85 15.6 19.5 29.3#

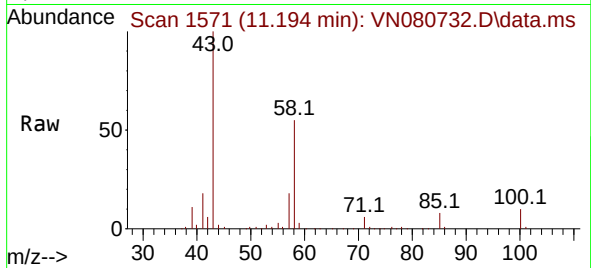






#59  
2-Hexanone  
Concen: 82.002 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. 0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

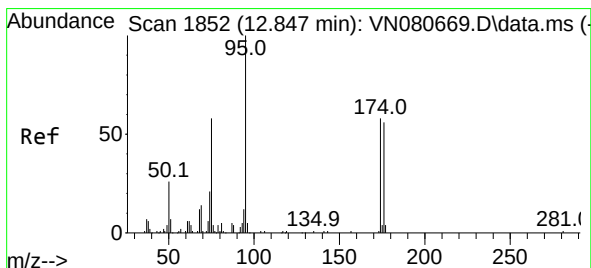
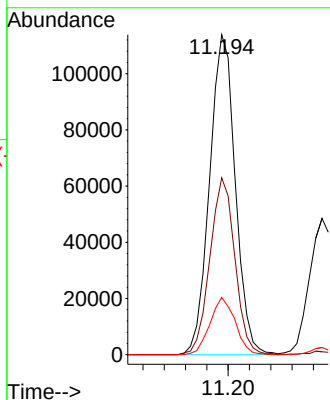
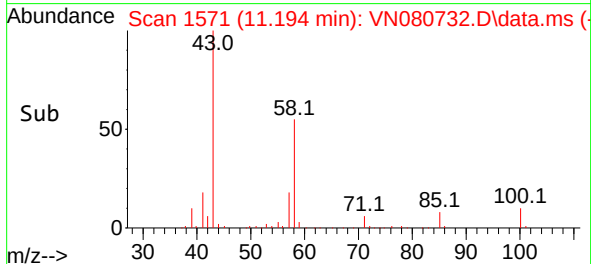
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01



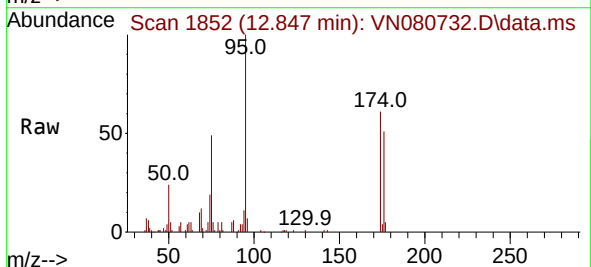
Tgt Ion: 43 Resp: 190568  
Ion Ratio Lower Upper  
43 100  
58 53.6 50.4 75.6  
57 17.5 18.6 27.8

Manual Integrations  
APPROVED

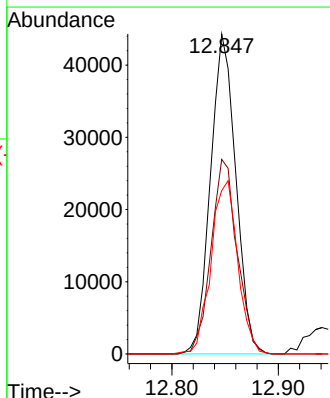
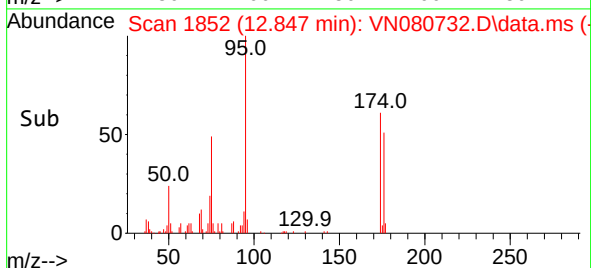
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024

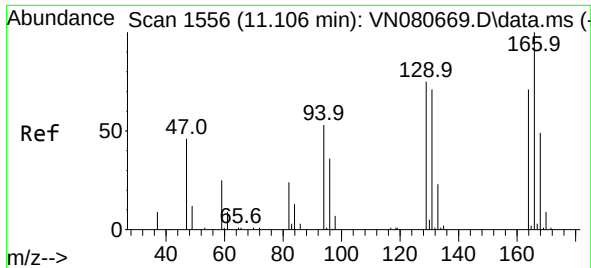


#60  
4-Bromofluorobenzene  
Concen: 27.899 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44



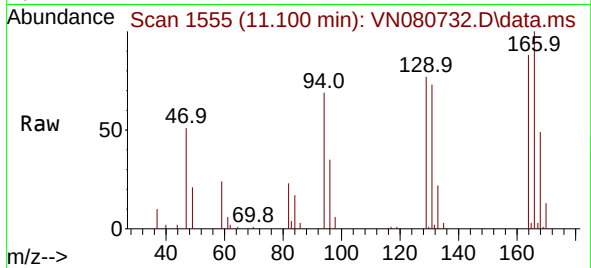
Tgt Ion: 95 Resp: 73025  
Ion Ratio Lower Upper  
95 100  
174 62.9 60.5 90.7  
176 57.2 57.8 86.6





#61  
Tetrachloroethene  
Concen: 18.951 ug/l  
RT: 11.100 min Scan# 1555  
Delta R.T. -0.006 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

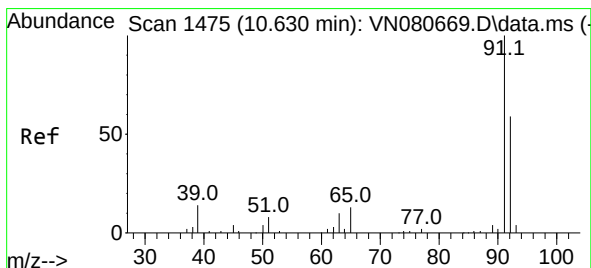
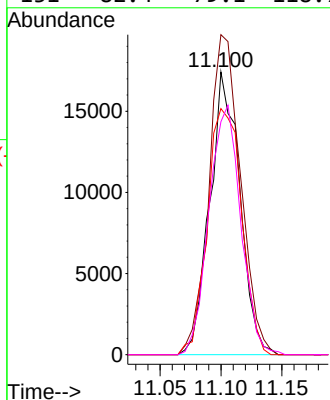
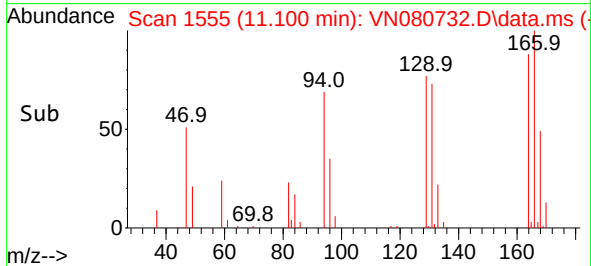
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01



Tgt Ion:164 Resp: 29849  
Ion Ratio Lower Upper  
164 100  
166 113.2 106.7 160.1  
129 87.0 85.8 128.6  
131 82.4 79.1 118.7

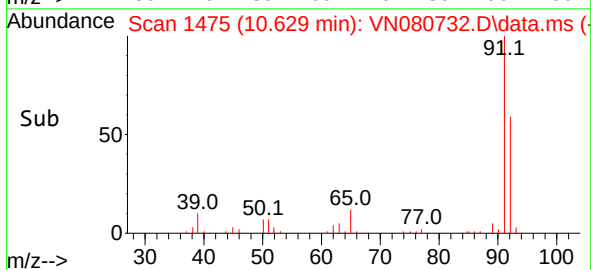
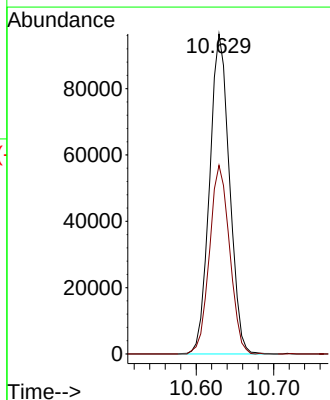
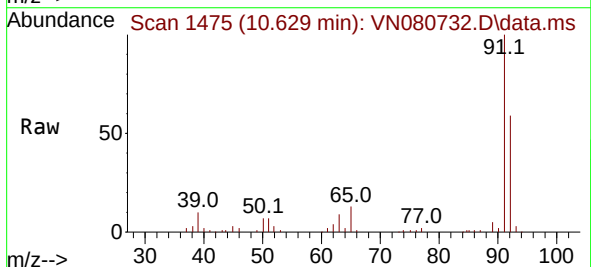
Manual Integrations  
APPROVED

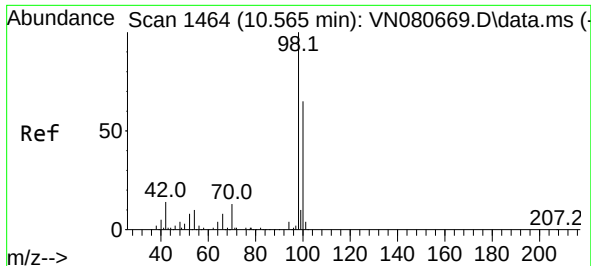
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#62  
Toluene  
Concen: 18.026 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. -0.001 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

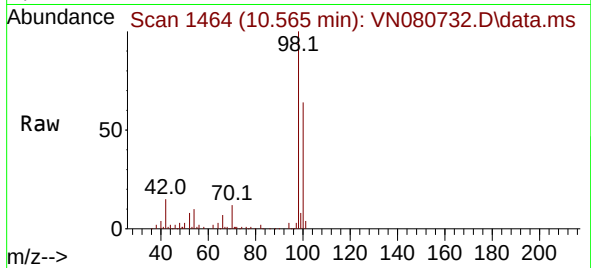
Tgt Ion: 91 Resp: 171547  
Ion Ratio Lower Upper  
91 100  
92 59.6 46.5 69.7





#63  
Toluene-d8  
Concen: 30.648 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

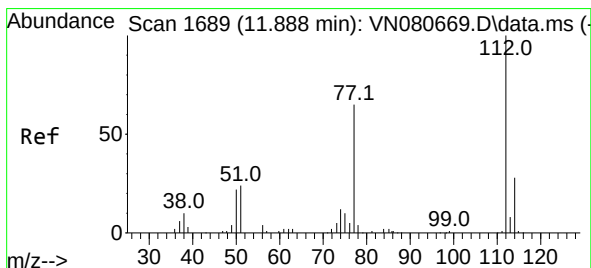
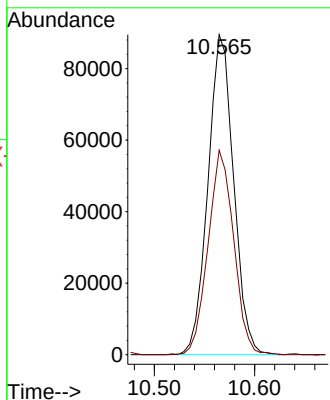
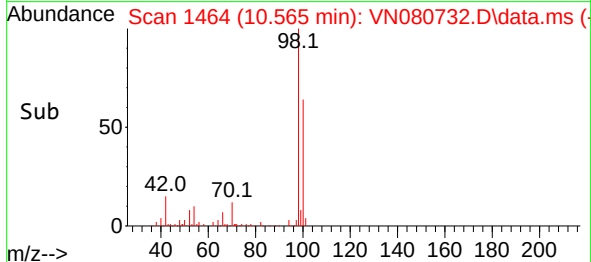
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01



Tgt Ion: 98 Resp: 15915  
Ion Ratio Lower Upper  
98 100  
100 63.8 52.7 79.1

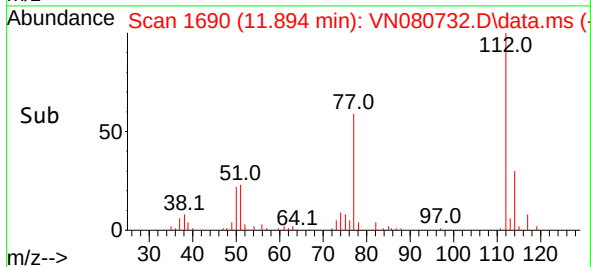
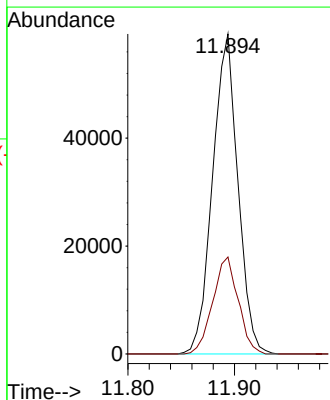
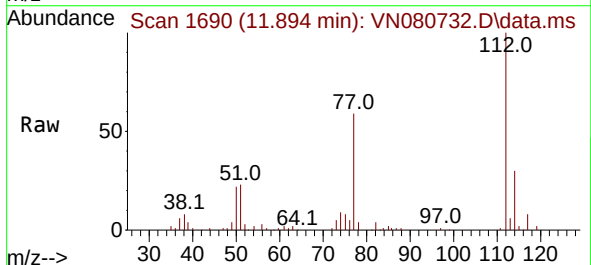
Manual Integrations  
APPROVED

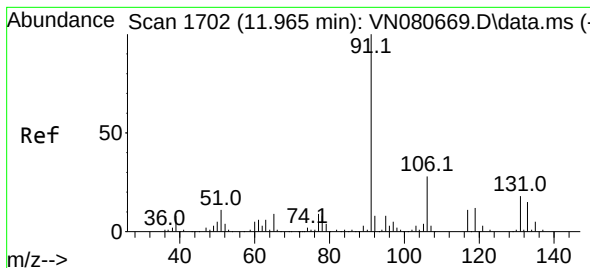
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#64  
Chlorobenzene  
Concen: 18.448 ug/l  
RT: 11.894 min Scan# 1690  
Delta R.T. 0.006 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion:112 Resp: 97788  
Ion Ratio Lower Upper  
112 100  
114 30.3 26.6 39.8





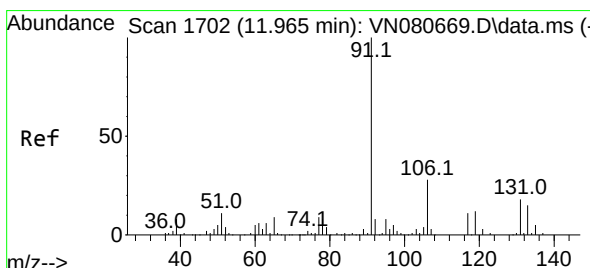
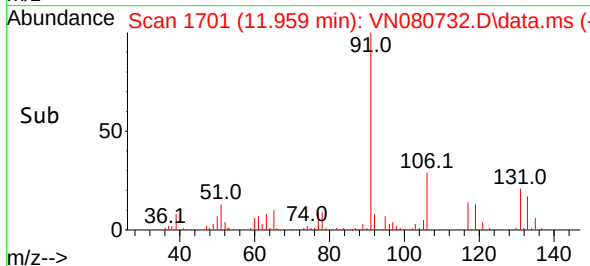
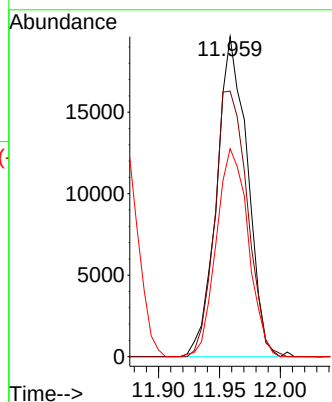
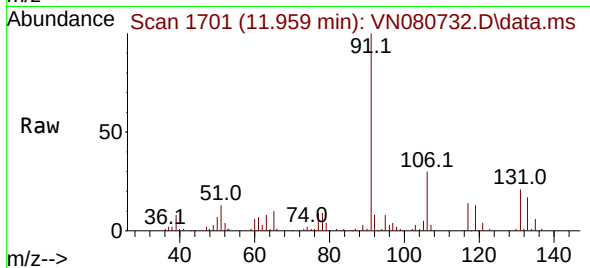
#65  
1,1,1,2-Tetrachloroethane  
Concen: 18.067 ug/l  
RT: 11.959 min Scan# 11959  
Delta R.T. -0.006 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01

Tgt Ion:131 Resp: 34408  
Ion Ratio Lower Upper  
131 100  
133 88.4 0.0 188.0  
119 67.7 0.0 122.8

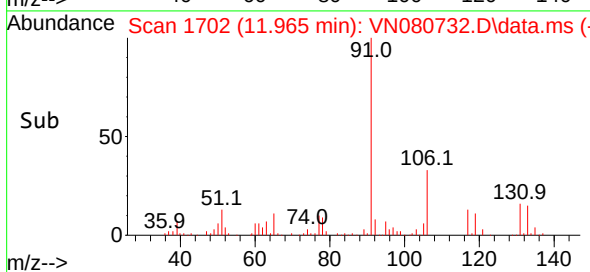
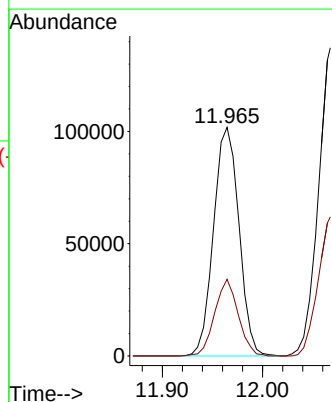
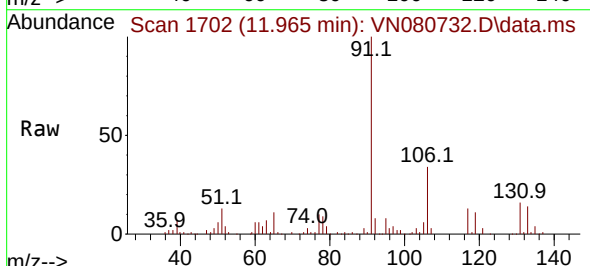
Manual Integrations  
APPROVED

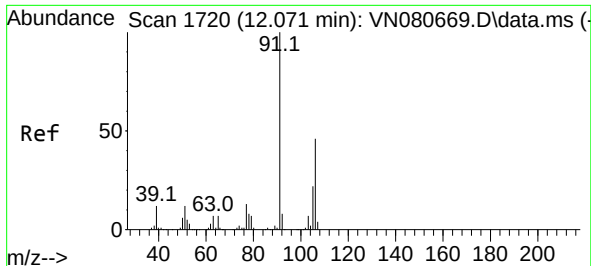
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#66  
Ethyl Benzene  
Concen: 17.916 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. -0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion: 91 Resp: 179330  
Ion Ratio Lower Upper  
91 100  
106 33.5 24.4 36.6





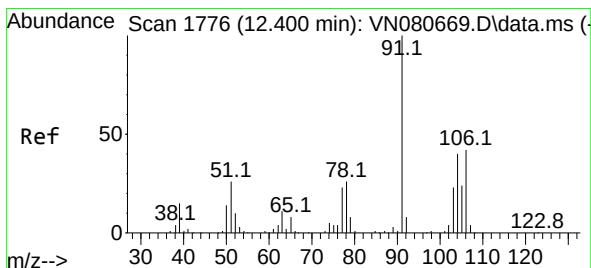
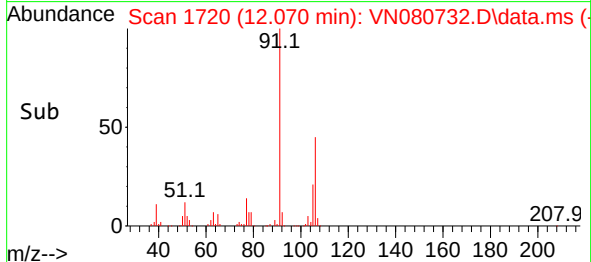
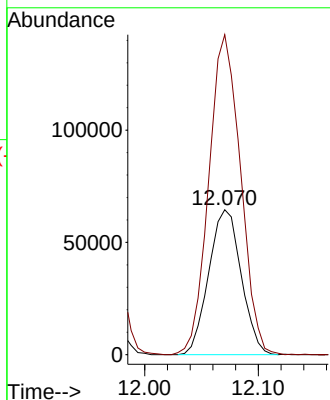
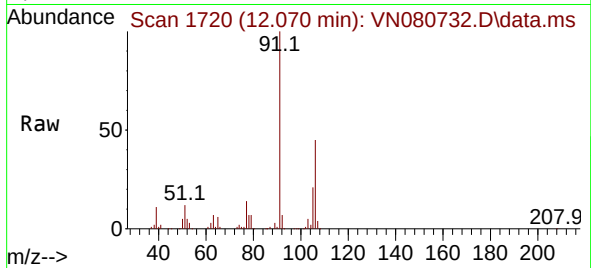
#67  
m/p-Xylenes  
Concen: 35.628 ug/l  
RT: 12.070 min Scan# 1719  
Delta R.T. -0.001 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01

Tgt Ion:106 Resp: 128179  
Ion Ratio Lower Upper  
106 100  
91 215.8 166.6 249.8

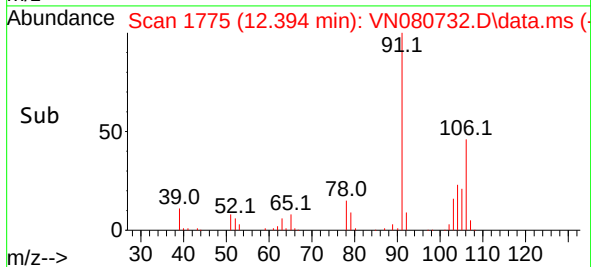
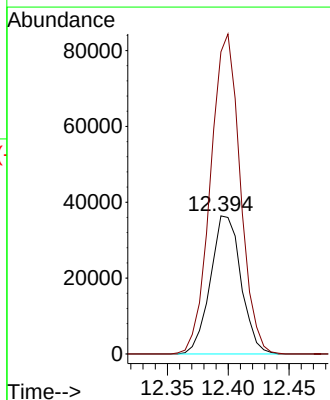
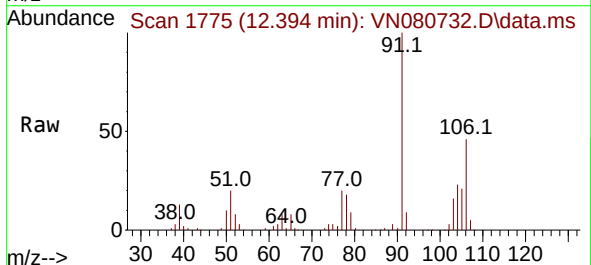
Manual Integrations  
APPROVED

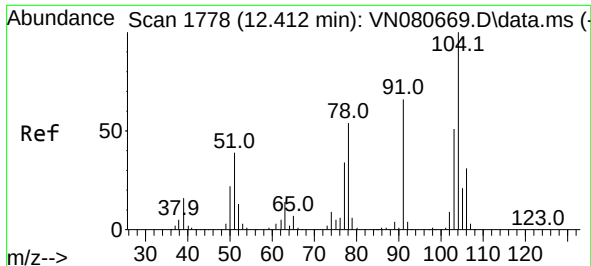
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#68  
o-Xylene  
Concen: 17.731 ug/l  
RT: 12.394 min Scan# 1775  
Delta R.T. -0.006 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion:106 Resp: 63616  
Ion Ratio Lower Upper  
106 100  
91 225.0 110.0 330.0





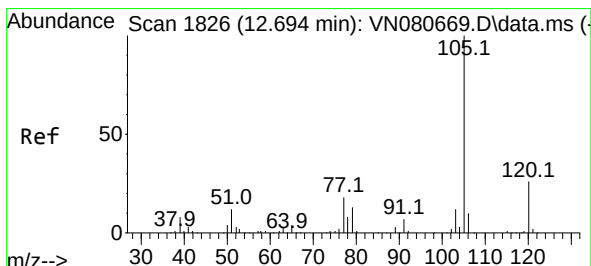
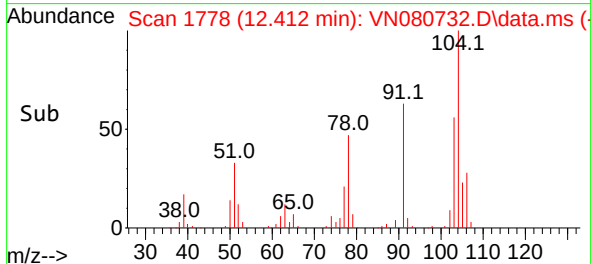
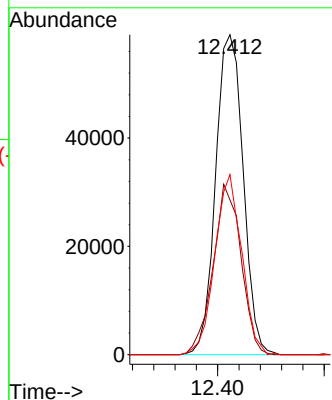
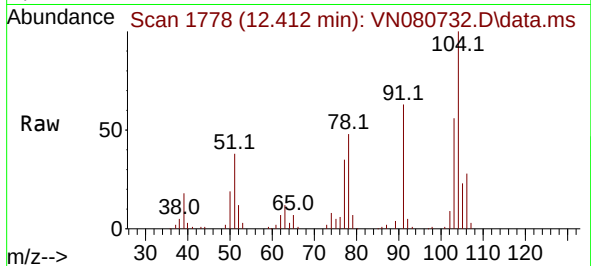
#69  
Styrene  
Concen: 17.624 ug/l  
RT: 12.412 min Scan# 1778  
Delta R.T. -0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01

Tgt Ion:104 Resp: 10623  
Ion Ratio Lower Upper  
104 100  
78 54.0 42.6 64.0  
103 54.9 43.7 65.5

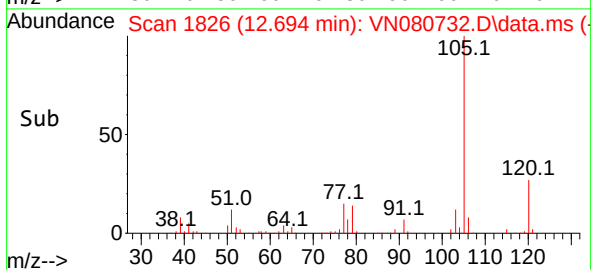
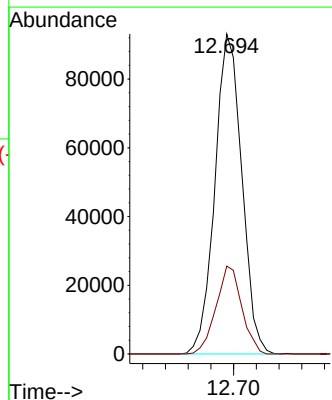
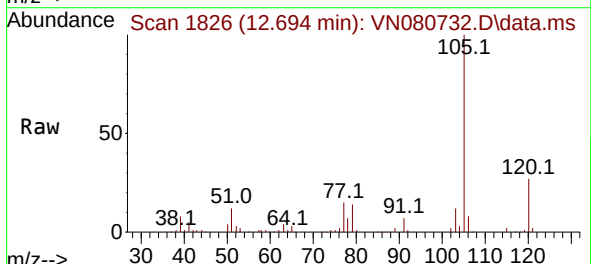
Manual Integrations  
APPROVED

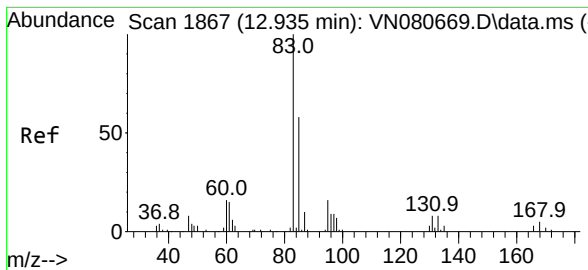
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#70  
Isopropylbenzene  
Concen: 17.460 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. -0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

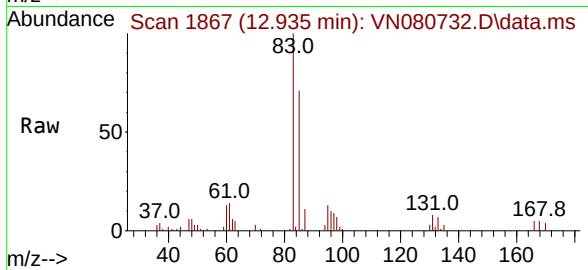
Tgt Ion:105 Resp: 153104  
Ion Ratio Lower Upper  
105 100  
120 26.3 17.8 33.1





#71  
 1,1,2,2-Tetrachloroethane  
 Concen: 15.930 ug/l  
 RT: 12.935 min Scan# 1867  
 Delta R.T. 0.000 min  
 Lab File: VN080732.D  
 Acq: 22 Jan 2024 11:44

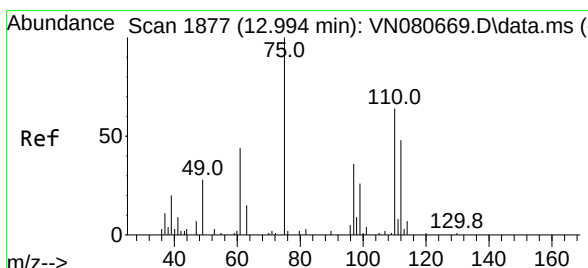
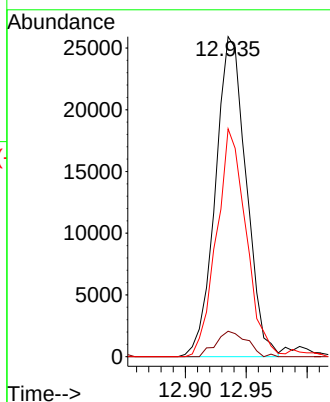
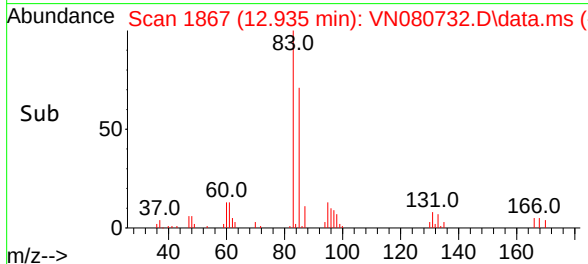
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0122WBS01



Tgt Ion: 83 Resp: 45594  
 Ion Ratio Lower Upper  
 83 100  
 131 7.9 5.2 15.6  
 85 68.4 32.3 96.8

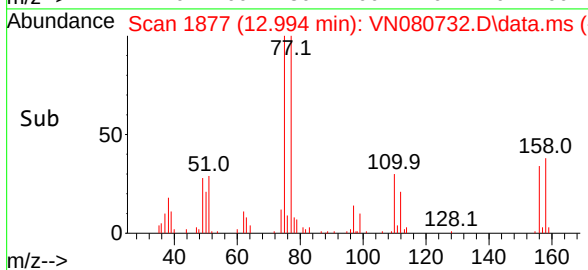
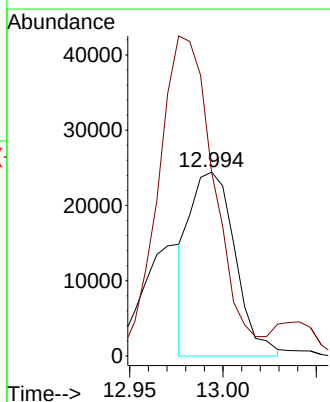
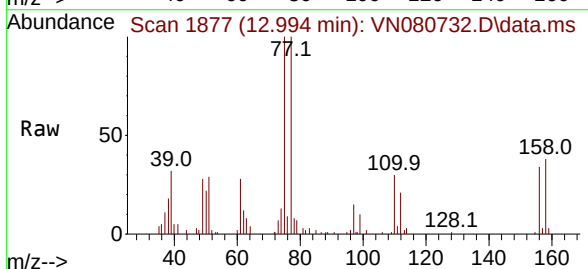
Manual Integrations  
 APPROVED

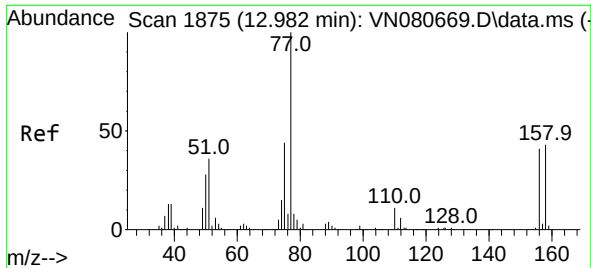
Reviewed By :John Carlone 01/23/2024  
 Supervised By :Mahesh Dadoda 01/23/2024



#72  
 1,2,3-Trichloropropane  
 Concen: 15.131 ug/l m  
 RT: 12.994 min Scan# 1877  
 Delta R.T. -0.000 min  
 Lab File: VN080732.D  
 Acq: 22 Jan 2024 11:44

Tgt Ion: 75 Resp: 41046  
 Ion Ratio Lower Upper  
 75 100  
 77 215.1 0.0 367.6





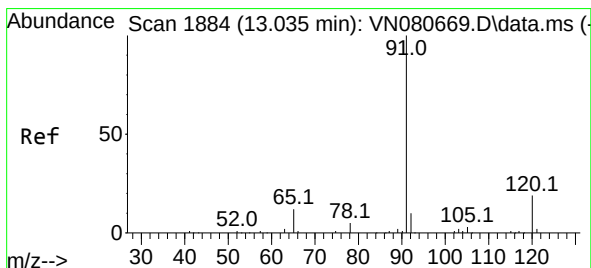
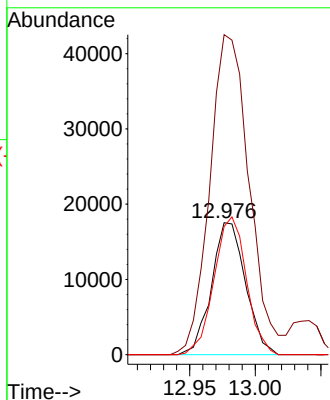
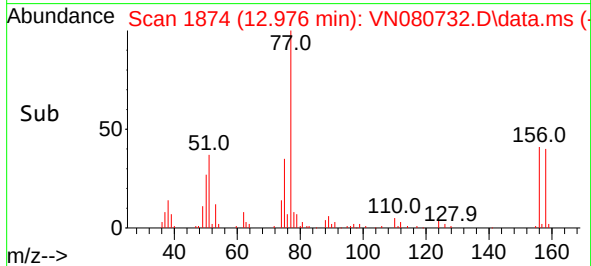
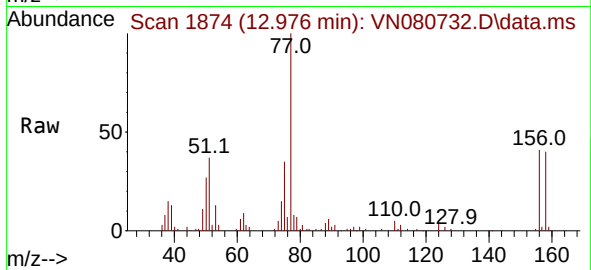
#73  
Bromobenzene  
Concen: 16.924 ug/l  
RT: 12.976 min Scan# 1874  
Delta R.T. -0.006 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01

Tgt Ion:156 Resp: 3163  
Ion Ratio Lower Upper  
156 100  
77 279.1 0.0 437.6  
158 99.4 0.0 203.8

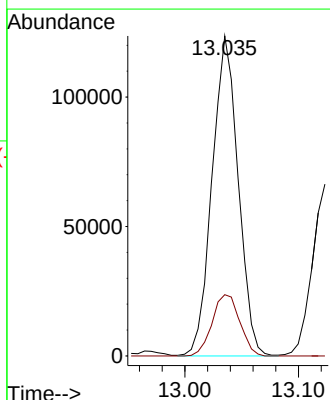
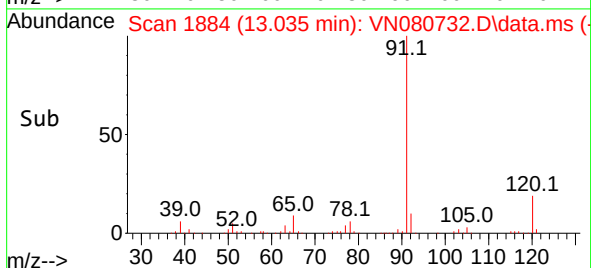
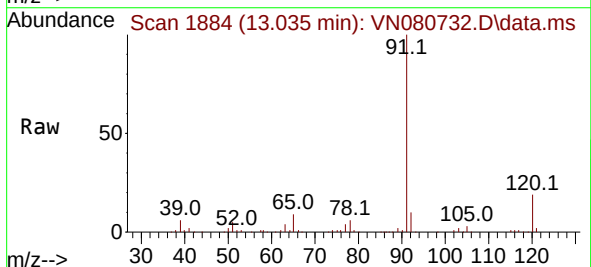
Manual Integrations  
APPROVED

Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024

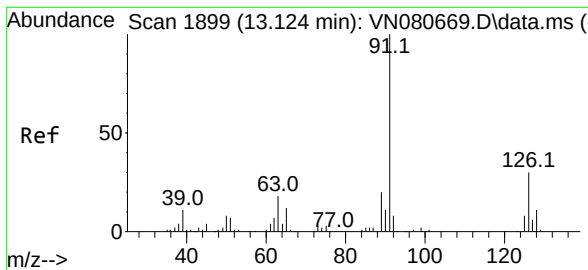


#74  
n-propylbenzene  
Concen: 18.666 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion: 91 Resp: 197403  
Ion Ratio Lower Upper  
91 100  
120 20.2 0.0 43.8







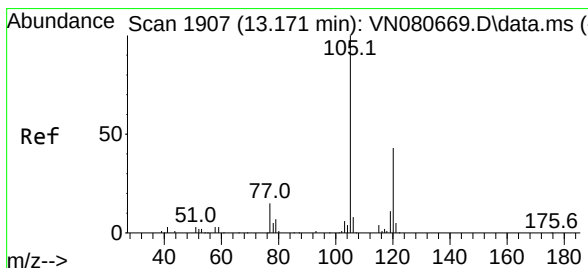
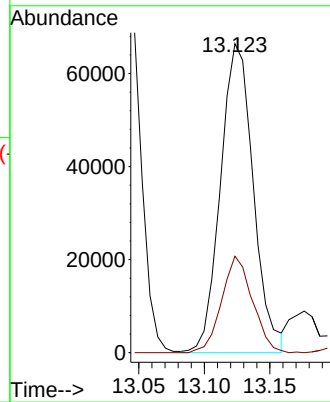
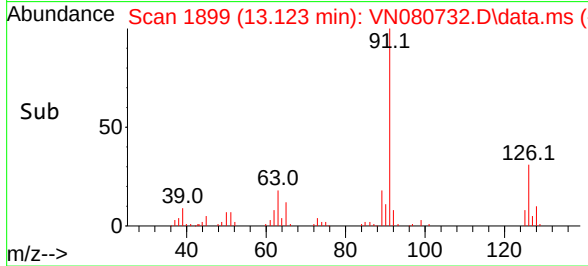
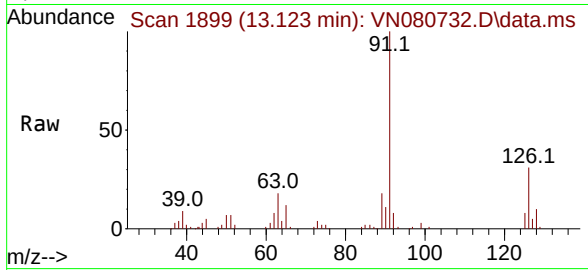
#75  
2-Chlorotoluene  
Concen: 17.374 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. -0.001 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01

Tgt Ion: 91 Resp: 115550  
Ion Ratio Lower Upper  
91 100  
126 29.2 0.0 61.2

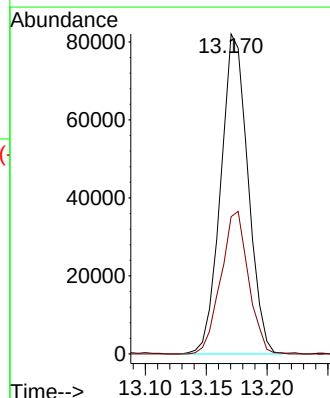
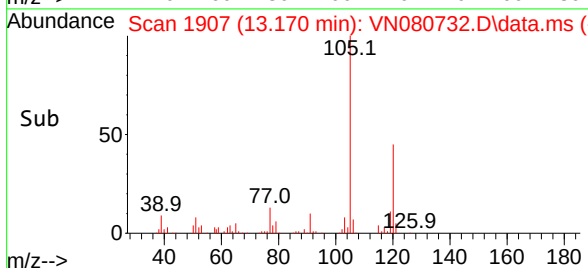
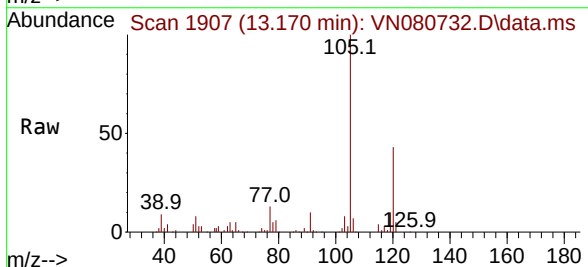
Manual Integrations  
APPROVED

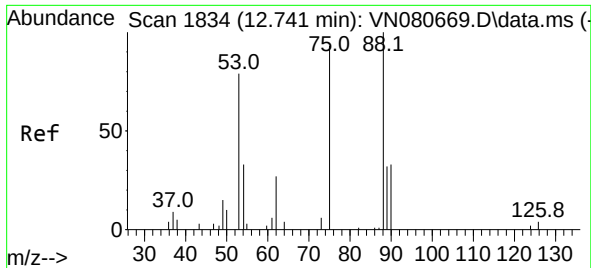
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#76  
1,3,5-Trimethylbenzene  
Concen: 17.534 ug/l  
RT: 13.170 min Scan# 1907  
Delta R.T. -0.001 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

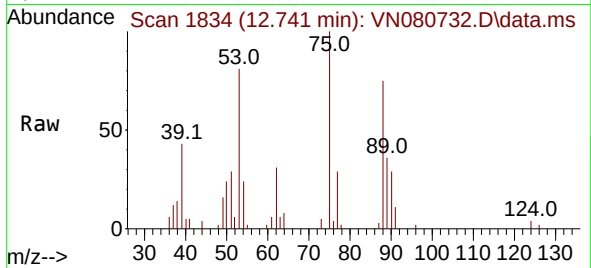
Tgt Ion:105 Resp: 127974  
Ion Ratio Lower Upper  
105 100  
120 45.1 0.0 95.8





#77  
t-1,4-Dichloro-2-butene  
Concen: 17.260 ug/l  
RT: 12.741 min Scan# 1834  
Delta R.T. -0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

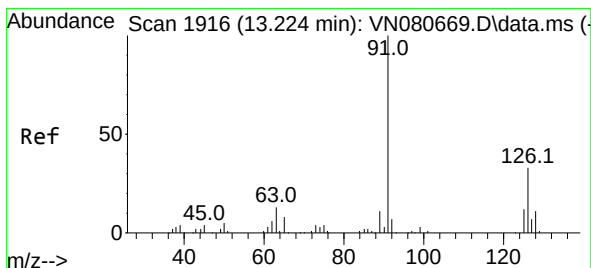
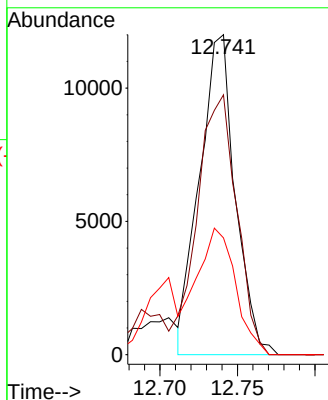
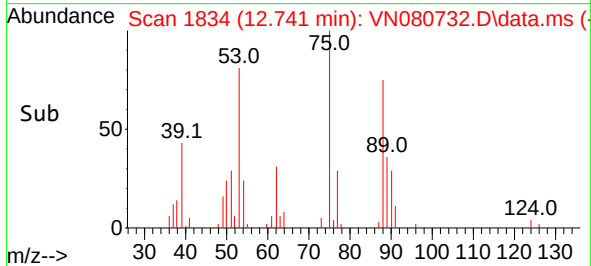
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01



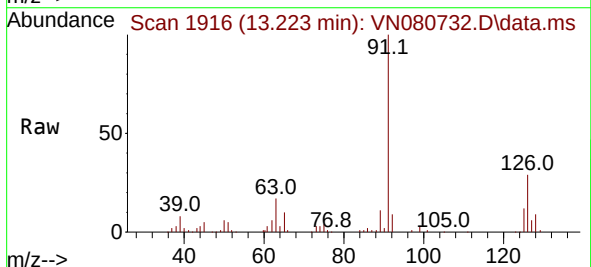
Tgt Ion: 75 Resp: 19194  
Ion Ratio Lower Upper  
75 100  
53 81.2 45.9 137.7  
89 36.5 25.9 77.7

Manual Integrations  
APPROVED

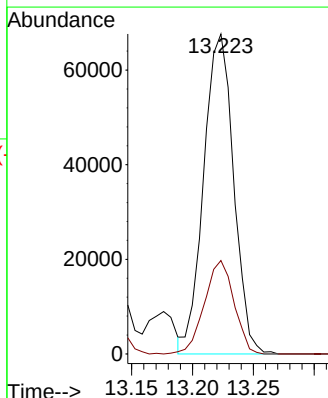
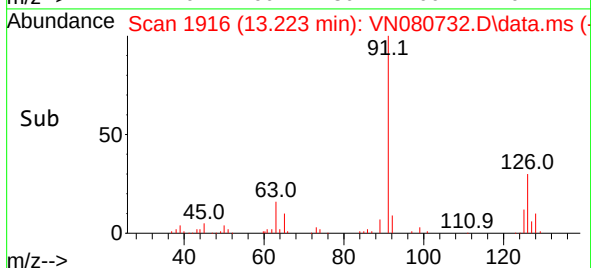
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024

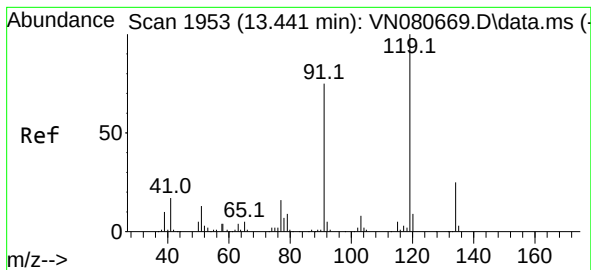


#78  
4-Chlorotoluene  
Concen: 17.403 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. -0.001 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44



Tgt Ion: 91 Resp: 115693  
Ion Ratio Lower Upper  
91 100  
126 28.8 0.0 62.8





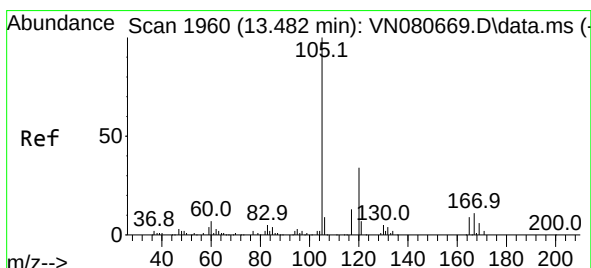
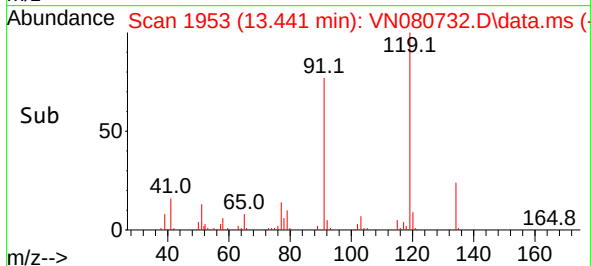
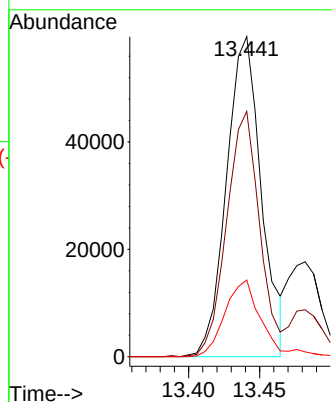
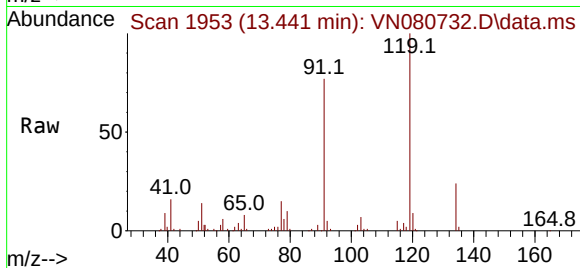
#79  
tert-butylbenzene  
Concen: 17.904 ug/l  
RT: 13.441 min Scan# 1953  
Delta R.T. -0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01

Tgt Ion:119 Resp: 101997  
Ion Ratio Lower Upper  
119 100  
91 72.5 0.0 138.8  
134 24.0 0.0 48.6

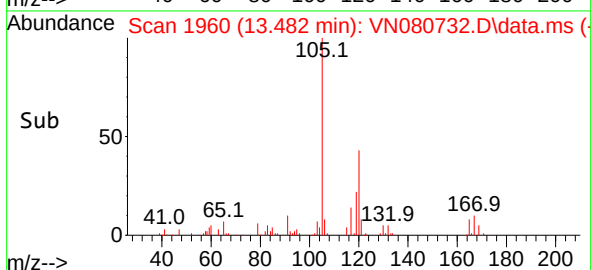
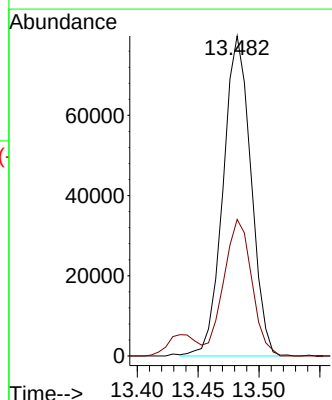
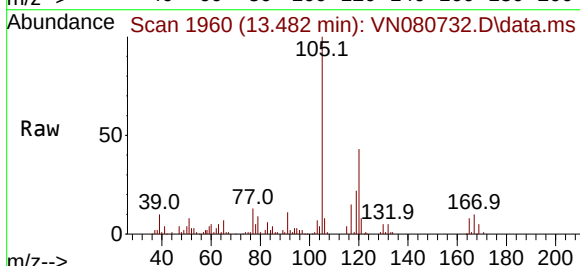
Manual Integrations  
APPROVED

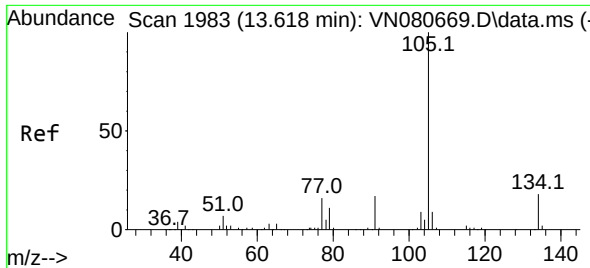
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#80  
1,2,4-Trimethylbenzene  
Concen: 17.763 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. 0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion:105 Resp: 126838  
Ion Ratio Lower Upper  
105 100  
120 43.1 0.0 86.8





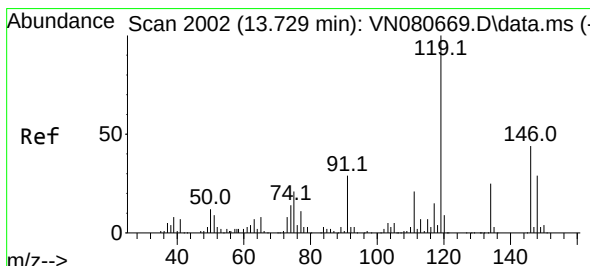
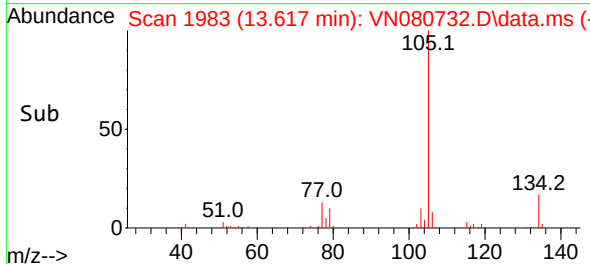
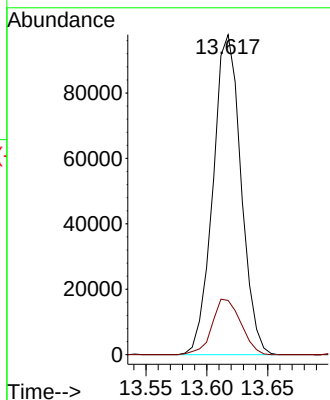
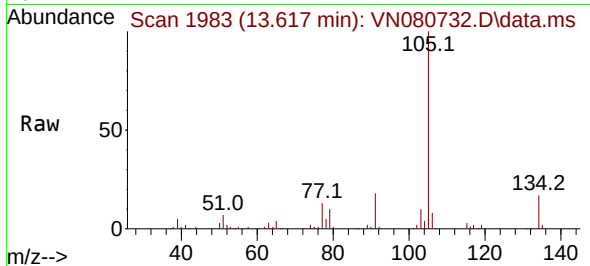
#81  
 sec-Butylbenzene  
 Concen: 18.702 ug/l  
 RT: 13.617 min Scan# 1983  
 Delta R.T. -0.001 min  
 Lab File: VN080732.D  
 Acq: 22 Jan 2024 11:44

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0122WBS01

Tgt Ion:105 Resp: 15684  
 Ion Ratio Lower Upper  
 105 100  
 134 17.8 0.0 39.0

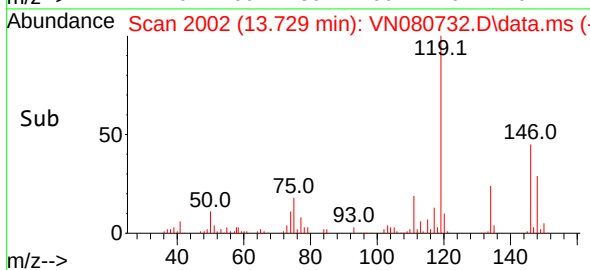
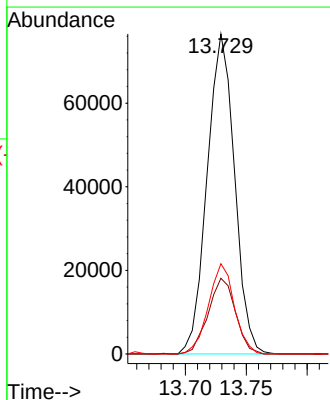
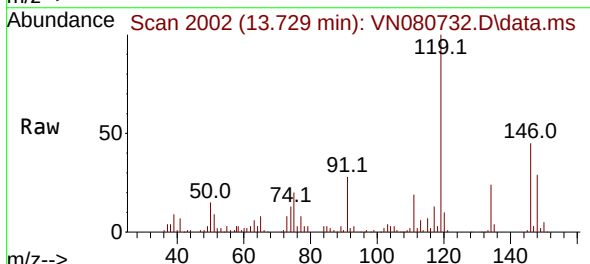
Manual Integrations  
 APPROVED

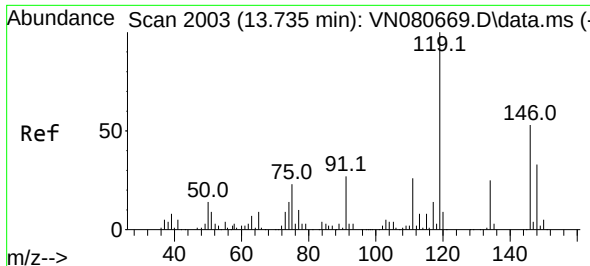
Reviewed By :John Carlone 01/23/2024  
 Supervised By :Mahesh Dadoda 01/23/2024



#82  
 p-Isopropyltoluene  
 Concen: 18.708 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.000 min  
 Lab File: VN080732.D  
 Acq: 22 Jan 2024 11:44

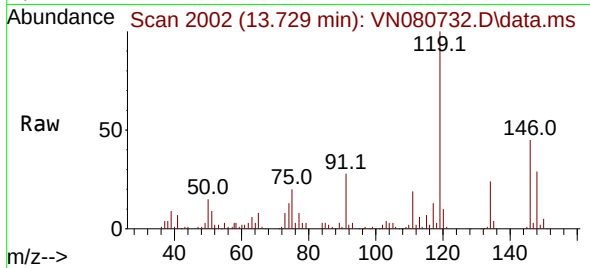
Tgt Ion:119 Resp: 119646  
 Ion Ratio Lower Upper  
 119 100  
 134 23.5 0.0 49.2  
 91 26.6 0.0 48.8





#83  
1,3-Dichlorobenzene  
Concen: 17.974 ug/l  
RT: 13.729 min Scan# 2003  
Delta R.T. -0.006 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

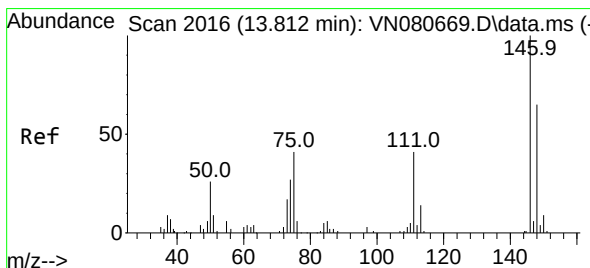
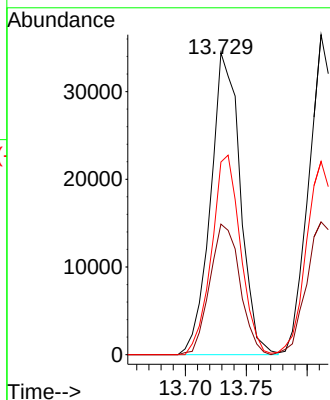
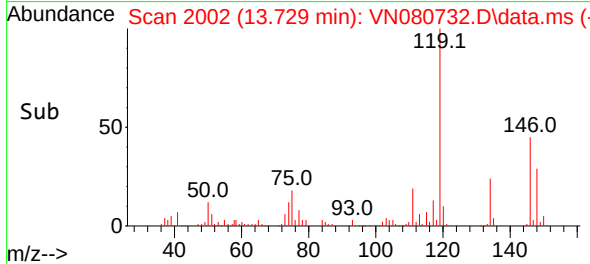
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01



Tgt Ion:146 Resp: 58284  
Ion Ratio Lower Upper  
146 100  
111 43.9 22.4 67.0  
148 64.3 32.1 96.5

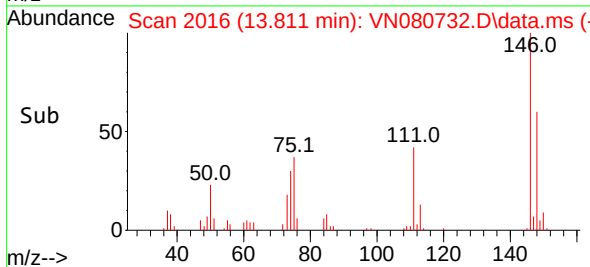
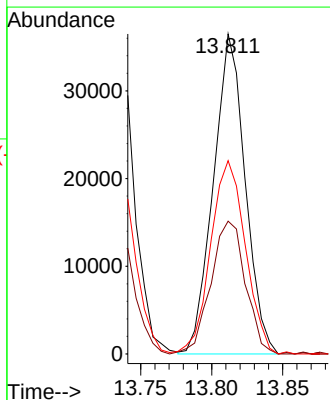
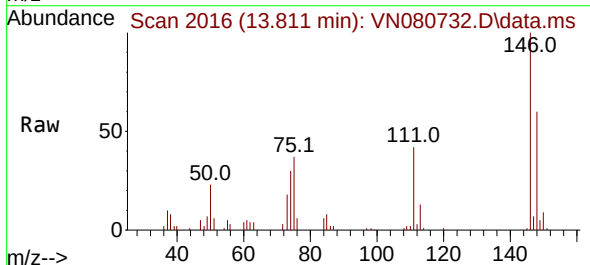
Manual Integrations  
APPROVED

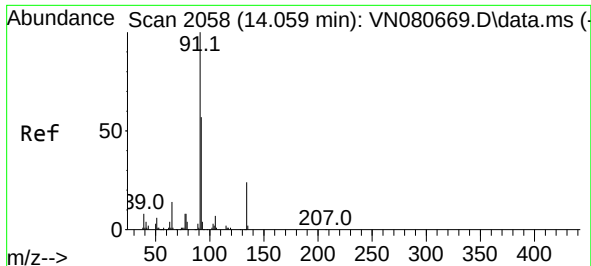
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#84  
1,4-Dichlorobenzene  
Concen: 17.392 ug/l  
RT: 13.811 min Scan# 2016  
Delta R.T. -0.001 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion:146 Resp: 56786  
Ion Ratio Lower Upper  
146 100  
111 45.2 21.3 63.9  
148 66.1 31.9 95.5





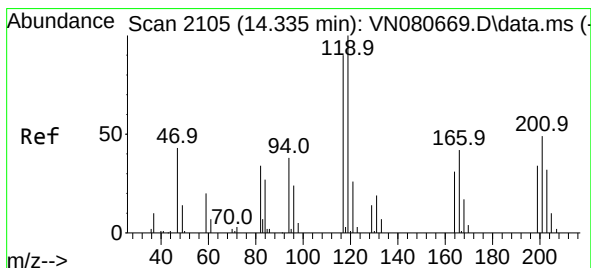
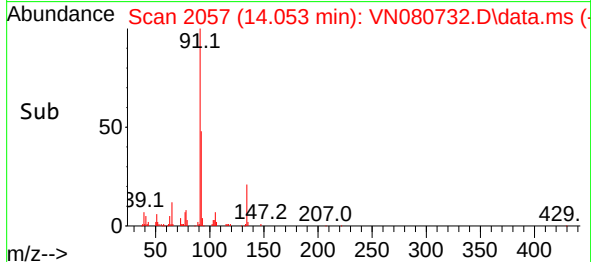
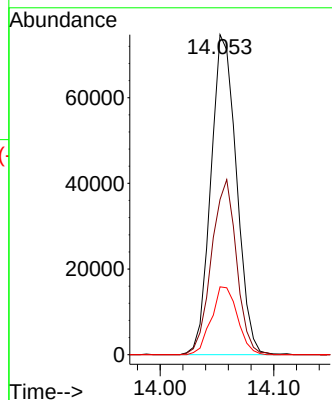
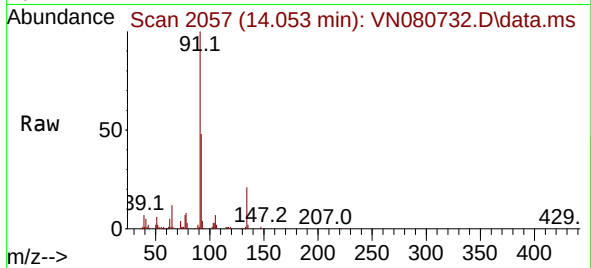
#85  
n-Butylbenzene  
Concen: 18.516 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. -0.006 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01

Tgt Ion: 91 Resp: 11700  
Ion Ratio Lower Upper  
91 100  
92 53.4 0.0 105.0  
134 21.6 0.0 51.8

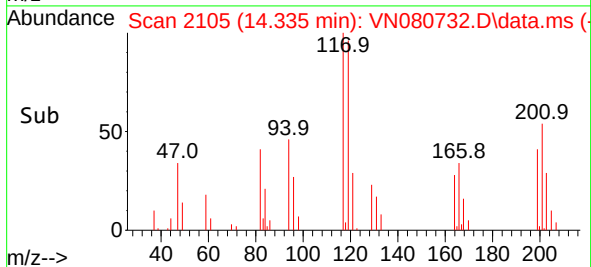
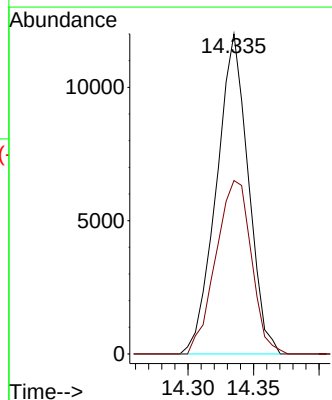
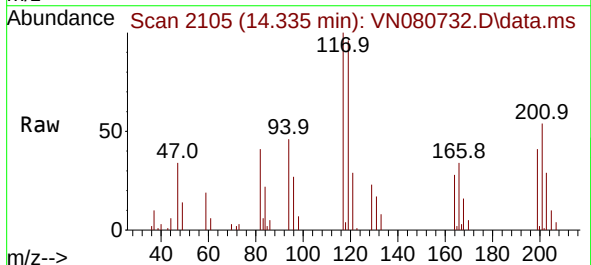
Manual Integrations  
APPROVED

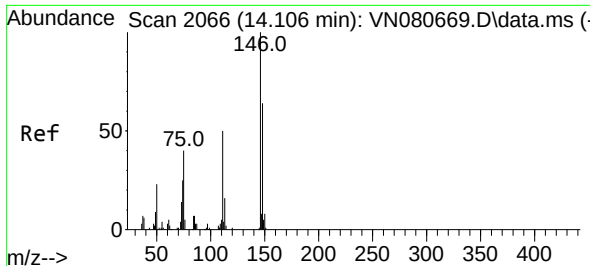
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#86  
Hexachloroethane  
Concen: 16.823 ug/l  
RT: 14.335 min Scan# 2105  
Delta R.T. -0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion:117 Resp: 20232  
Ion Ratio Lower Upper  
117 100  
201 60.6 38.0 114.0





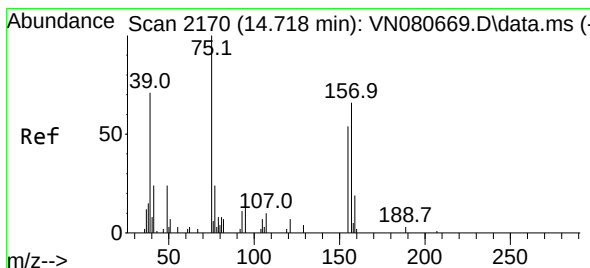
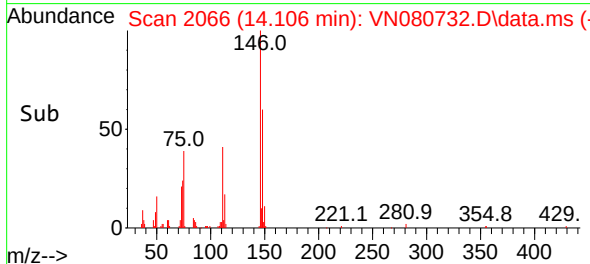
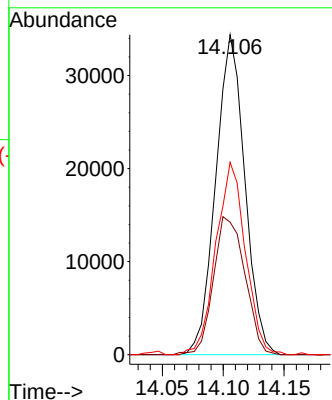
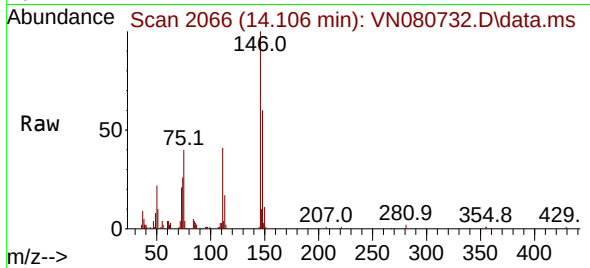
#87  
1,2-Dichlorobenzene  
Concen: 17.991 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. -0.000 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0122WBS01

Tgt Ion:146 Resp: 57229  
Ion Ratio Lower Upper  
146 100  
111 46.3 22.6 67.8  
148 61.0 31.3 93.8

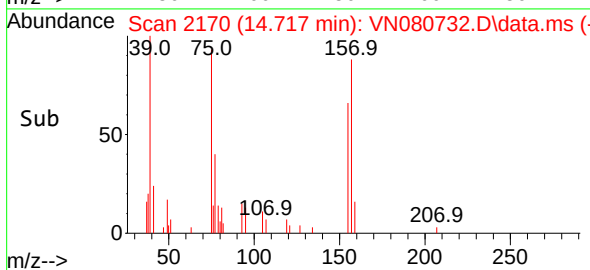
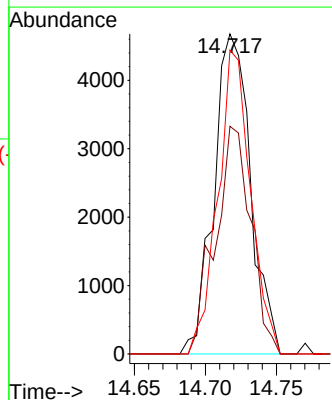
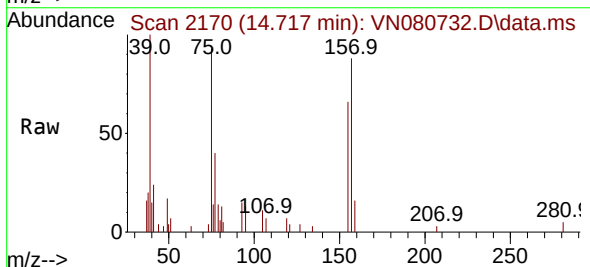
Manual Integrations  
APPROVED

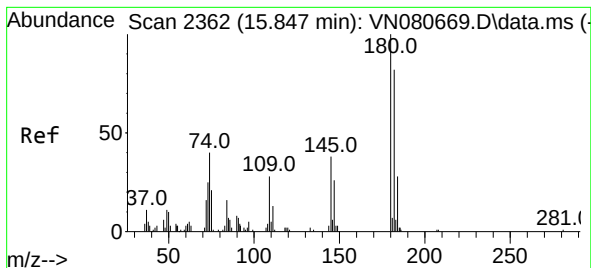
Reviewed By :John Carlone 01/23/2024  
Supervised By :Mahesh Dadoda 01/23/2024



#88  
1,2-Dibromo-3-Chloropropane  
Concen: 14.096 ug/l  
RT: 14.717 min Scan# 2170  
Delta R.T. -0.001 min  
Lab File: VN080732.D  
Acq: 22 Jan 2024 11:44

Tgt Ion: 75 Resp: 8400  
Ion Ratio Lower Upper  
75 100  
155 69.3 61.7 92.5  
157 84.8 83.6 125.4





#89

1,2,4-Trichlorobenzene

Concen: 16.546 ug/l

RT: 15.835 min Scan# 21

Delta R.T. -0.012 min

Lab File: VN080732.D

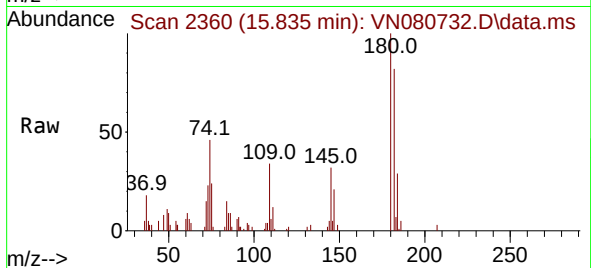
Acq: 22 Jan 2024 11:44

Instrument :

MSVOA\_N

ClientSampleId :

VN0122WBS01



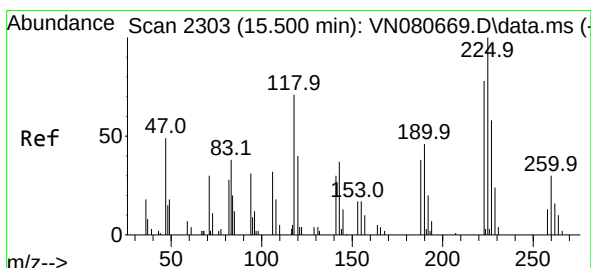
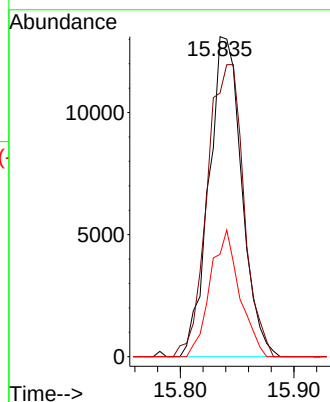
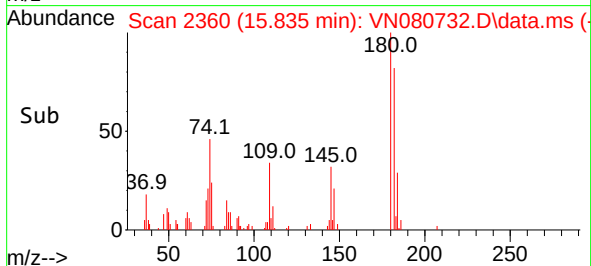
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 26398 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 101.0 | 76.4  | 114.6 |
| 145       | 35.3  | 28.4  | 42.6  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/23/2024

Supervised By :Mahesh Dadoda 01/23/2024



#90

Hexachlorobutadiene

Concen: 18.159 ug/l

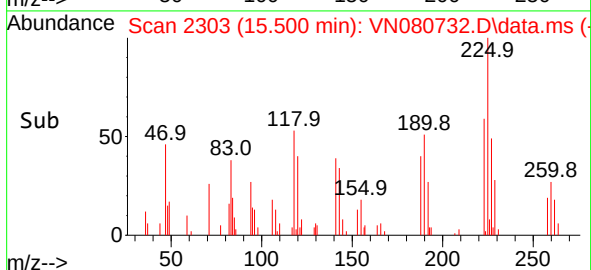
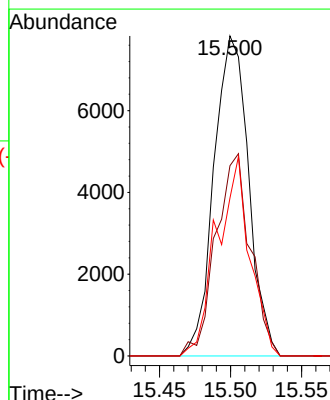
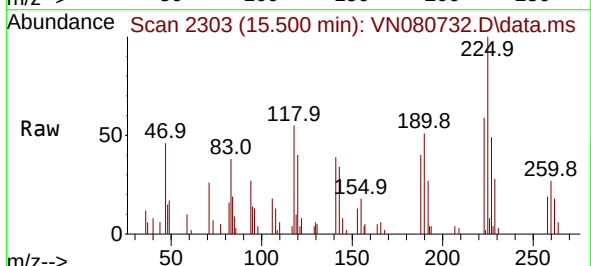
RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

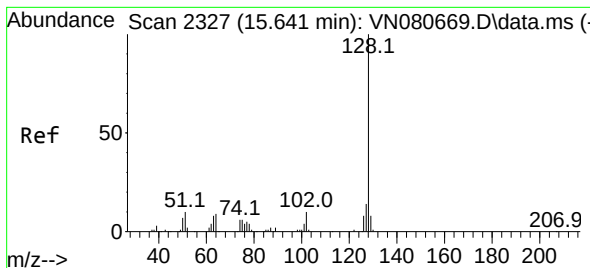
Lab File: VN080732.D

Acq: 22 Jan 2024 11:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 13274 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 63.3  | 0.0   | 126.6 |
| 227       | 59.5  | 0.0   | 126.6 |







#91

Naphthalene

Concen: 15.808 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN080732.D

Acq: 22 Jan 2024 11:44

Instrument :

MSVOA\_N

ClientSampleId :

VN0122WBS01

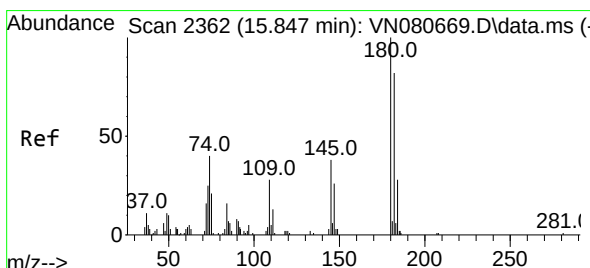
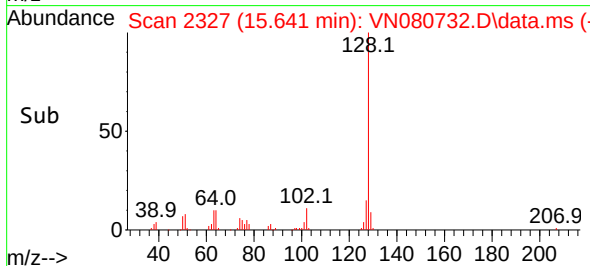
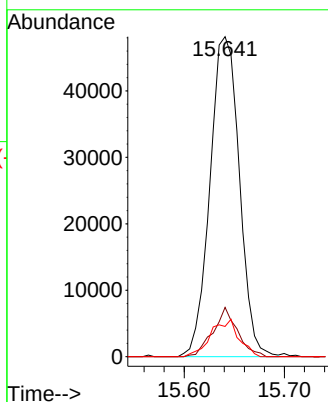
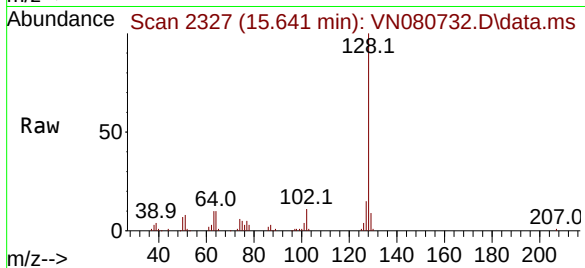
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 98320 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 12.8  | 10.6  | 16.0  |
| 129       | 4.5   | 8.6   | 13.0  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/23/2024

Supervised By :Mahesh Dadoda 01/23/2024



#92

1,2,3-Trichlorobenzene

Concen: 16.546 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.012 min

Lab File: VN080732.D

Acq: 22 Jan 2024 11:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 26398 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 101.0 | 0.0   | 191.0 |
| 145       | 35.3  | 0.0   | 71.0  |

