

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082824\  
 Data File : VN083545.D  
 Acq On : 28 Aug 2024 18:57  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/29/2024  
 Supervised By : Mahesh Dadoda 08/29/2024

Quant Time: Aug 29 00:54:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N082824W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Aug 28 12:23:16 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Bromochloromethane        | 7.818          | 128  | 28725               | 30.000  | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.100          | 114  | 170106              | 30.000  | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.865         | 117  | 151374              | 30.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.583          | 65   | 78325               | 30.337  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = 101.133% |         |        |          |
| 60) 4-Bromofluorobenzene     | 12.847         | 95   | 80312               | 29.968  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = 99.900%  |         |        |          |
| 63) Toluene-d8               | 10.565         | 98   | 209131              | 29.926  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = 99.767%  |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 38653               | 20.036  | ug/l   | 98       |
| 3) Chloromethane             | 2.359          | 50   | 40197               | 20.265  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.512          | 62   | 40865               | 19.618  | ug/l   | 98       |
| 5) Bromomethane              | 2.901          | 94   | 18246               | 17.982  | ug/l   | 98       |
| 6) Chloroethane              | 3.059          | 64   | 27007               | 19.793  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.459          | 101  | 68101               | 19.782  | ug/l   | 97       |
| 8) Diethyl Ether             | 3.953          | 74   | 24002               | 19.848  | ug/l   | 84       |
| 9) 1,1,2-Trichlorotrifluo... | 4.359          | 101  | 36798m              | 19.346  | ug/l   |          |
| 10) 1,1-Dichloroethene       | 4.318          | 96   | 34352               | 19.077  | ug/l   | 84       |
| 11) Methyl Iodide            | 4.571          | 142  | 41902               | 16.907  | ug/l   | 95       |
| 12) Methyl Acetate           | 5.024          | 43   | 72792               | 23.551  | ug/l # | 83       |
| 13) Acrolein                 | 4.183          | 56   | 26775               | 89.820  | ug/l   | 98       |
| 14) Acrylonitrile            | 5.724          | 53   | 101865              | 106.134 | ug/l   | 98       |
| 15) Acetone                  | 4.430          | 58   | 24584               | 86.570  | ug/l # | 56       |
| 16) Carbon Disulfide         | 4.695          | 76   | 89779               | 18.504  | ug/l   | 97       |
| 17) Allyl chloride           | 5.012          | 41   | 65922               | 19.827  | ug/l   | 88       |
| 18) Methylene Chloride       | 5.265          | 84   | 40710               | 20.384  | ug/l   | 93       |
| 19) trans-1,2-Dichloroethene | 5.777          | 96   | 36108               | 19.453  | ug/l   | 94       |
| 20) Diisopropyl ether        | 6.671          | 45   | 133150              | 20.593  | ug/l   | 95       |
| 21) 1,1-Dichloroethane       | 6.565          | 63   | 74063               | 20.289  | ug/l   | 98       |
| 22) cis-1,2-Dichloroethene   | 7.483          | 96   | 44426               | 19.347  | ug/l   | 93       |
| 23) tert-Butyl Alcohol       | 5.547          | 59   | 46294               | 114.322 | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.800          | 73   | 134945              | 20.234  | ug/l # | 84       |
| 25) Chloroform               | 7.965          | 83   | 77035               | 19.903  | ug/l   | 95       |
| 26) Cyclohexane              | 8.253          | 56   | 62766               | 19.778  | ug/l # | 88       |
| 29) 1,1-Dichloropropene      | 8.365          | 75   | 52492               | 19.670  | ug/l   | 98       |
| 30) 2-Butanone               | 7.483          | 43   | 138557              | 101.204 | ug/l   | 95       |
| 31) 2,2-Dichloropropane      | 7.488          | 77   | 61491               | 17.770  | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 8.165          | 97   | 73519               | 20.613  | ug/l   | 98       |
| 33) Carbon Tetrachloride     | 8.359          | 117  | 60794               | 19.576  | ug/l   | 95       |
| 34) Benzene                  | 8.606          | 78   | 162708              | 20.092  | ug/l   | 98       |
| 35) Methacrylonitrile        | 7.777          | 41   | 32377               | 20.438  | ug/l   | 93       |
| 36) 1,2-Dichloroethane       | 8.671          | 62   | 61201               | 20.269  | ug/l   | 95       |
| 37) Trichloroethene          | 9.347          | 130  | 38503               | 20.063  | ug/l   | 94       |
| 38) Methylcyclohexane        | 9.600          | 83   | 61765               | 18.873  | ug/l   | 95       |
| 39) 1,2-Dichloropropane      | 9.624          | 63   | 40118               | 20.376  | ug/l   | 97       |
| 40) Dibromomethane           | 9.712          | 93   | 28630               | 20.257  | ug/l   | 96       |
| 41) Bromodichloromethane     | 9.888          | 83   | 61215               | 20.041  | ug/l   | 99       |
| 42) Vinyl Acetate            | 6.600          | 43   | 646497              | 96.223  | ug/l   | 97       |

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 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/29/2024  
 Supervised By : Mahesh Dadoda 08/29/2024

Quant Time: Aug 29 00:54:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N082824W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Aug 28 12:23:16 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.565  | 43   | 56091    | 21.331  | ug/l   | 95       |
| 44) Isopropyl Acetate         | 8.688  | 43   | 154006   | 24.790  | ug/l # | 74       |
| 45) 1,4-Dioxane               | 9.700  | 88   | 17630    | 437.635 | ug/l # | 95       |
| 46) Methyl methacrylate       | 9.682  | 41   | 50310    | 21.916  | ug/l   | 83       |
| 47) n-amyl Acetate            | 12.494 | 43   | 88249    | 20.641  | ug/l   | 93       |
| 48) t-1,3-Dichloropropene     | 10.835 | 75   | 61118    | 18.868  | ug/l   | 93       |
| 49) cis-1,3-Dichloropropene   | 10.312 | 75   | 65590    | 19.425  | ug/l # | 78       |
| 50) 1,1,2-Trichloroethane     | 11.018 | 97   | 39326    | 20.762  | ug/l   | 94       |
| 51) Ethyl methacrylate        | 10.877 | 69   | 66929    | 20.261  | ug/l   | 78       |
| 52) 1,3-Dichloropropane       | 11.165 | 76   | 68282    | 20.645  | ug/l   | 100      |
| 53) Dibromochloromethane      | 11.359 | 129  | 43825    | 19.749  | ug/l   | 98       |
| 54) 1,2-Dibromoethane         | 11.471 | 107  | 39040    | 20.117  | ug/l   | 97       |
| 55) 2-Chloroethyl vinyl ether | 10.159 | 63   | 150395   | 106.942 | ug/l   | 98       |
| 56) Bromoform                 | 12.582 | 173  | 28741    | 19.838  | ug/l   | 96       |
| 58) 4-Methyl-2-Pentanone      | 10.447 | 43   | 297559   | 110.835 | ug/l # | 90       |
| 59) 2-Hexanone                | 11.200 | 43   | 226846   | 110.179 | ug/l   | 88       |
| 61) Tetrachloroethene         | 11.100 | 164  | 35850    | 22.300  | ug/l   | 90       |
| 62) Toluene                   | 10.629 | 91   | 173241   | 19.785  | ug/l   | 100      |
| 64) Chlorobenzene             | 11.894 | 112  | 108269   | 19.959  | ug/l   | 97       |
| 65) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 38882    | 20.139  | ug/l   | 98       |
| 66) Ethyl Benzene             | 11.965 | 91   | 193826   | 19.622  | ug/l   | 99       |
| 67) m/p-Xylenes               | 12.071 | 106  | 143007   | 39.060  | ug/l   | 96       |
| 68) o-Xylene                  | 12.400 | 106  | 73315    | 20.392  | ug/l   | 98       |
| 69) Styrene                   | 12.412 | 104  | 119574   | 19.534  | ug/l   | 98       |
| 70) Isopropylbenzene          | 12.694 | 105  | 189327   | 19.936  | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 59212    | 21.345  | ug/l   | 100      |
| 72) 1,2,3-Trichloropropane    | 12.994 | 75   | 45221m   | 18.879  | ug/l   |          |
| 73) Bromobenzene              | 12.982 | 156  | 43423    | 20.202  | ug/l   | 95       |
| 74) n-propylbenzene           | 13.035 | 91   | 212712   | 19.332  | ug/l   | 99       |
| 75) 2-Chlorotoluene           | 13.129 | 91   | 139384   | 19.793  | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 160584   | 20.256  | ug/l   | 98       |
| 77) t-1,4-Dichloro-2-butene   | 12.735 | 75   | 19719    | 18.971  | ug/l   | 86       |
| 78) 4-Chlorotoluene           | 13.223 | 91   | 134543   | 19.246  | ug/l   | 98       |
| 79) tert-butylbenzene         | 13.441 | 119  | 142735   | 20.103  | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 161088   | 19.932  | ug/l   | 98       |
| 81) sec-Butylbenzene          | 13.618 | 105  | 189093   | 19.783  | ug/l   | 99       |
| 82) p-Isopropyltoluene        | 13.729 | 119  | 155958   | 19.273  | ug/l   | 98       |
| 83) 1,3-Dichlorobenzene       | 13.735 | 146  | 77103    | 18.364  | ug/l   | 98       |
| 84) 1,4-Dichlorobenzene       | 13.812 | 146  | 78887    | 18.707  | ug/l   | 97       |
| 85) n-Butylbenzene            | 14.059 | 91   | 129879   | 18.110  | ug/l   | 99       |
| 86) Hexachloroethane          | 14.335 | 117  | 30320    | 19.130  | ug/l   | 88       |
| 87) 1,2-Dichlorobenzene       | 14.106 | 146  | 82577    | 19.980  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 13870    | 21.868  | ug/l   | 92       |
| 89) 1,2,4-Trichlorobenzene    | 15.841 | 180  | 42393    | 18.709  | ug/l   | 98       |
| 90) Hexachlorobutadiene       | 15.500 | 225  | 18161    | 18.864  | ug/l   | 96       |
| 91) Naphthalene               | 15.641 | 128  | 160311   | 20.469  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 42393    | 18.709  | ug/l   | 98       |

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

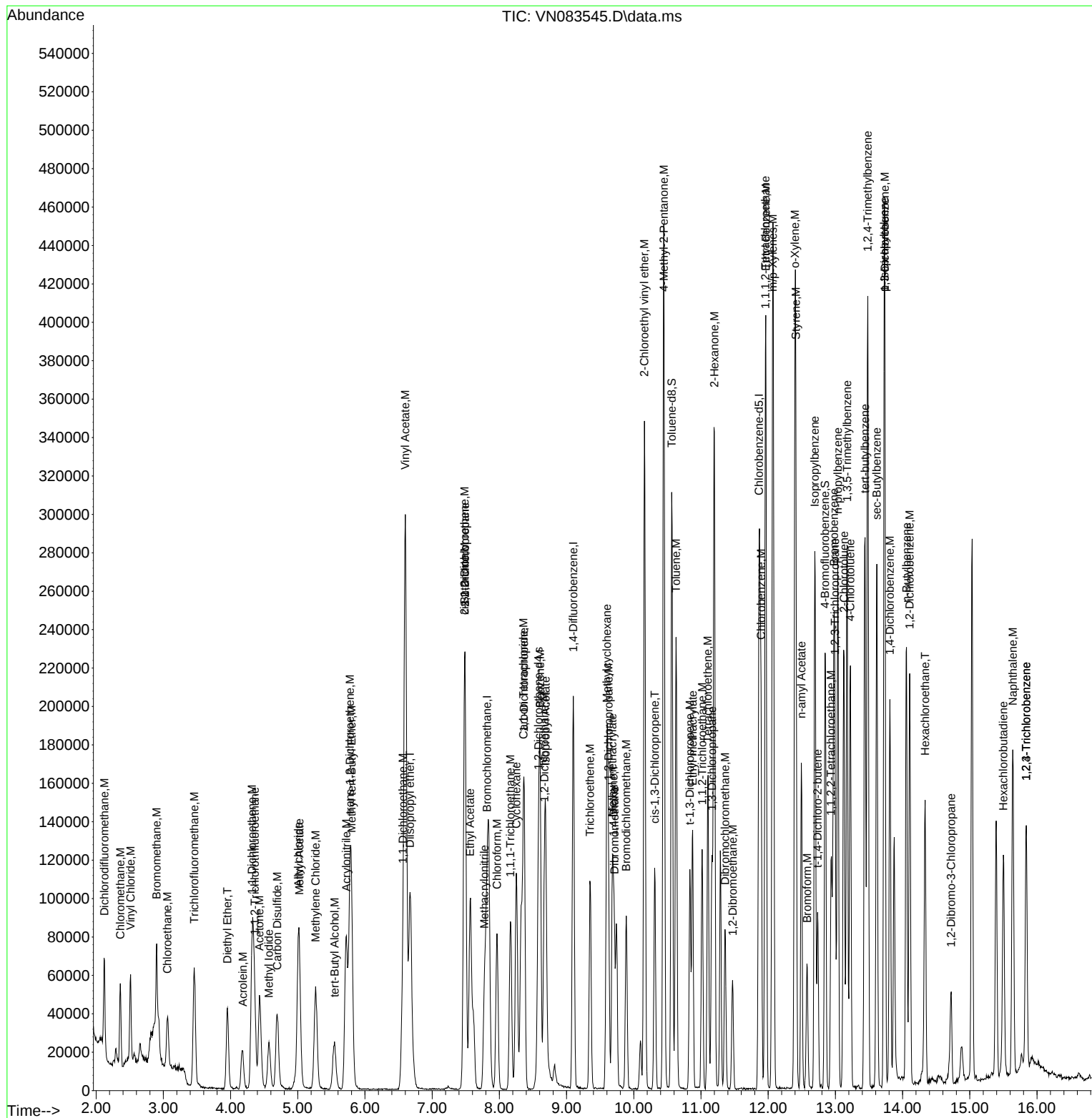
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082824\  
Data File : VN083545.D  
Acq On : 28 Aug 2024 18:57  
Operator : JC\MD  
Sample : VSTDCCC020  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 24 Sample Multiplier: 1

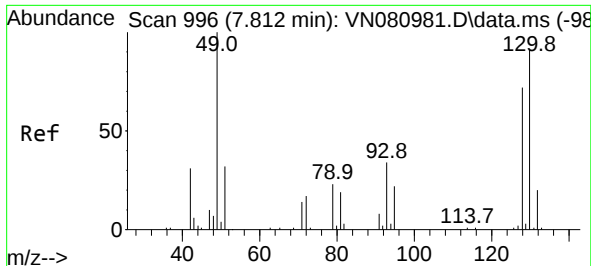
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Quant Time: Aug 29 00:54:37 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N082824W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Aug 28 12:23:16 2024  
Response via : Initial Calibration

Manual Integrations  
APPROVED

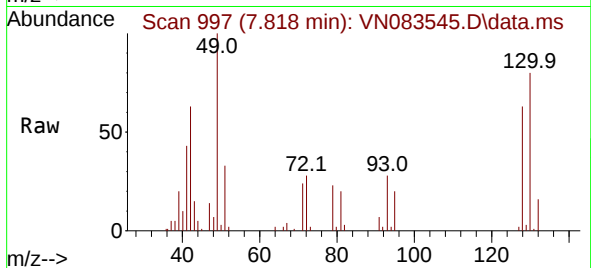
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024





#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.818 min Scan# 997  
Delta R.T. 0.006 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

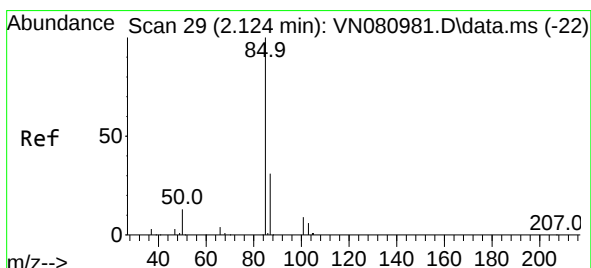
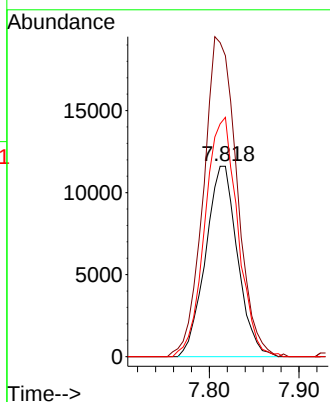
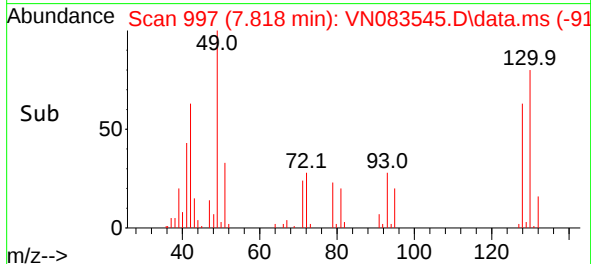
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:128 Resp: 28725  
Ion Ratio Lower Upper  
128 100  
49 175.3 0.0 403.7  
130 129.3 0.0 323.3

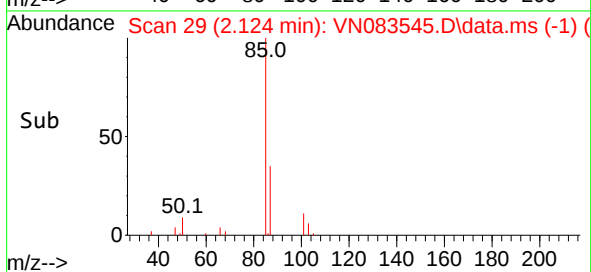
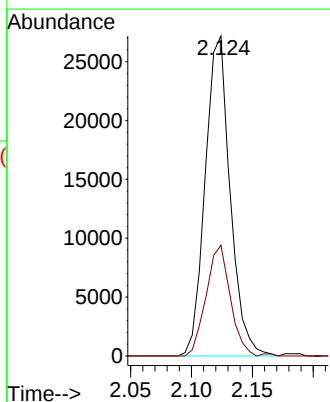
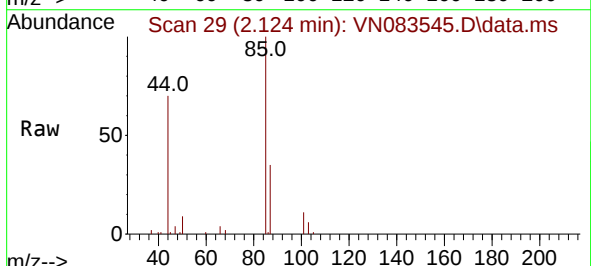
Manual Integrations  
APPROVED

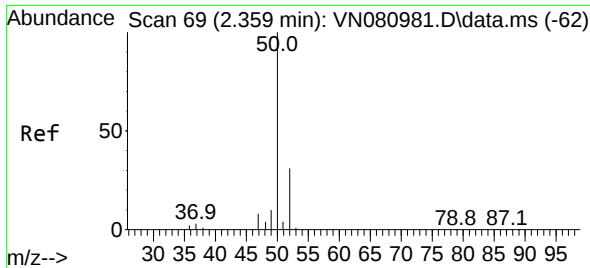
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#2  
Dichlorodifluoromethane  
Concen: 20.036 ug/l  
RT: 2.124 min Scan# 29  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

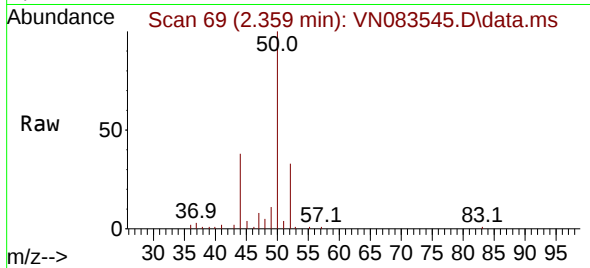
Tgt Ion: 85 Resp: 38653  
Ion Ratio Lower Upper  
85 100  
87 34.6 16.8 50.3





#3  
Chloromethane  
Concen: 20.265 ug/l  
RT: 2.359 min Scan# 69  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

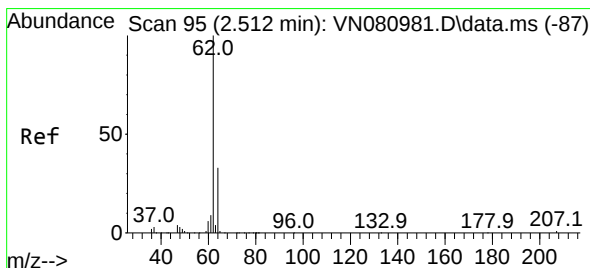
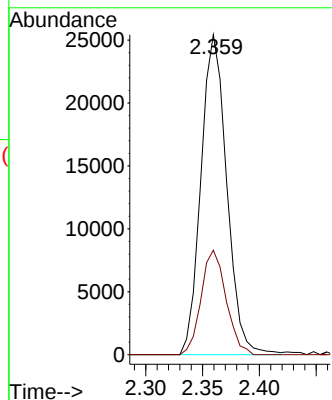
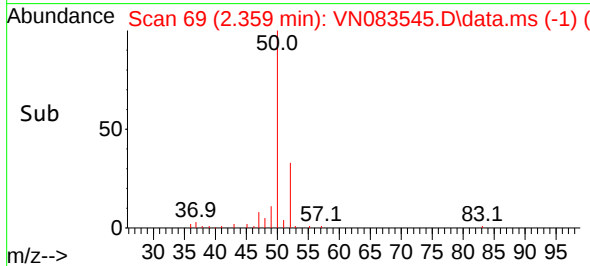
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



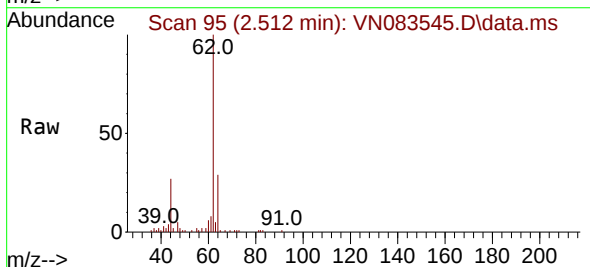
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Ion Ratio Lower Upper  
50 100  
52 32.6 25.4 38.0

Manual Integrations  
APPROVED

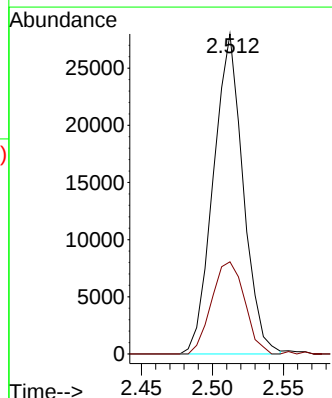
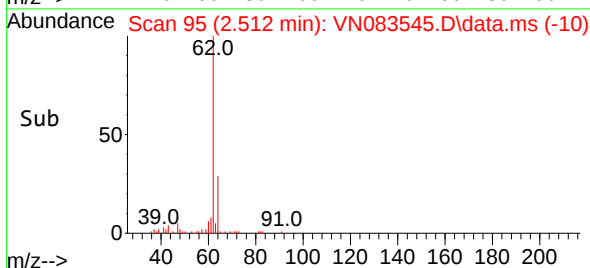
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024

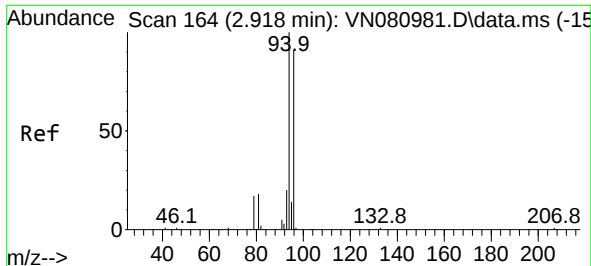


#4  
Vinyl Chloride  
Concen: 19.618 ug/l  
RT: 2.512 min Scan# 95  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57



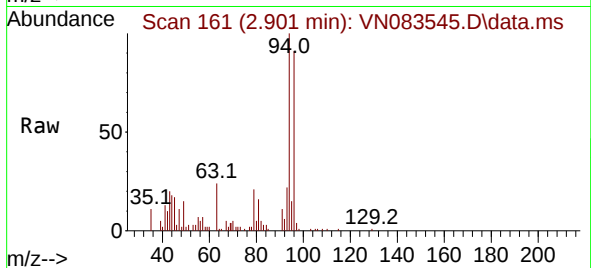
Tgt Ion: 62 Resp: 40865  
Ion Ratio Lower Upper  
62 100  
64 28.8 24.1 36.1





#5  
Bromomethane  
Concen: 17.982 ug/l  
RT: 2.901 min Scan# 110  
Delta R.T. -0.018 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

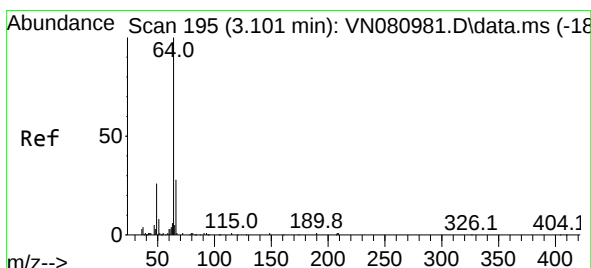
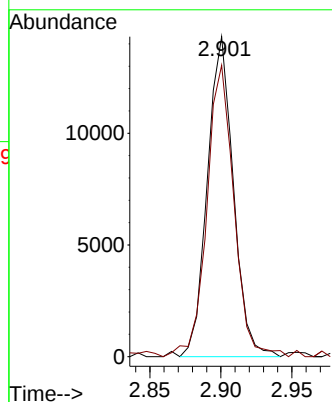
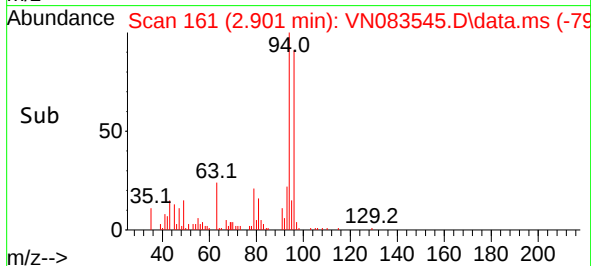
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 94 Resp: 18240  
Ion Ratio Lower Upper  
94 100  
96 89.1 72.8 109.2

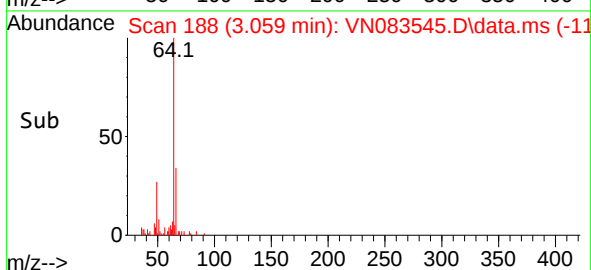
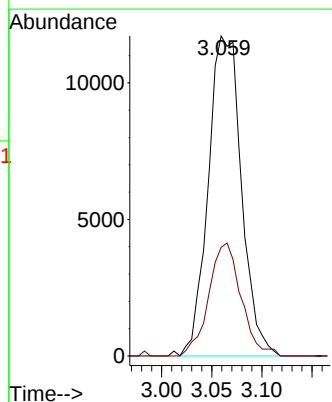
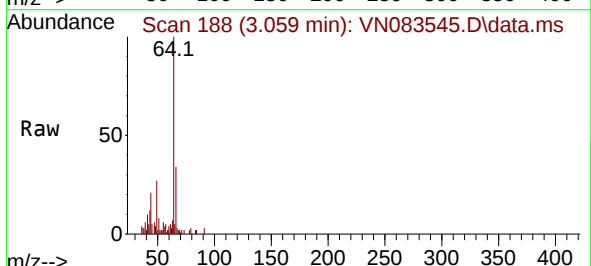
Manual Integrations  
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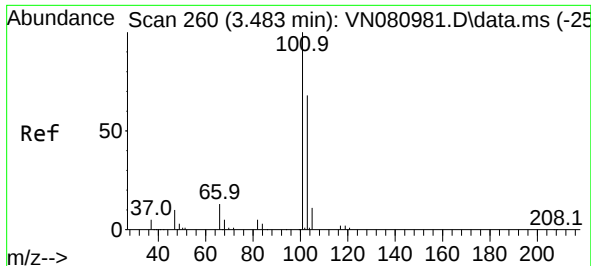
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#6  
Chloroethane  
Concen: 19.793 ug/l  
RT: 3.059 min Scan# 188  
Delta R.T. -0.041 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

Tgt Ion: 64 Resp: 27007  
Ion Ratio Lower Upper  
64 100  
66 34.0 26.7 40.1





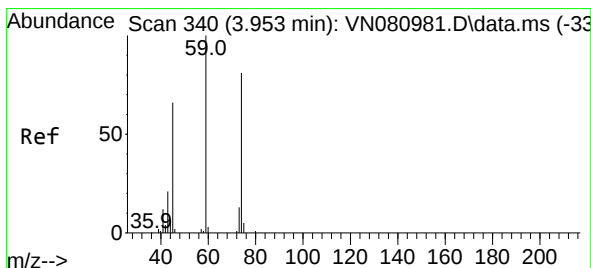
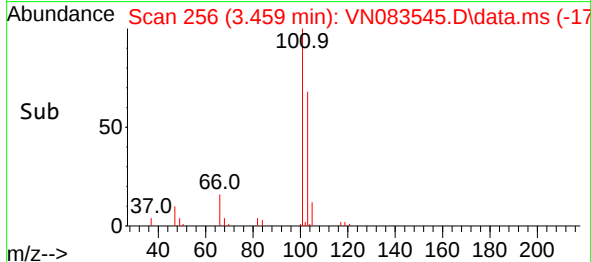
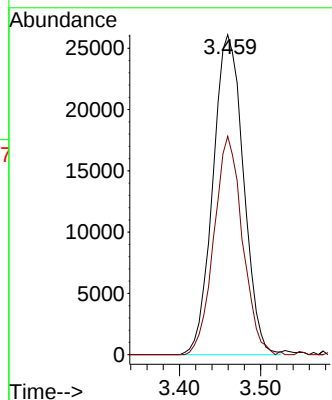
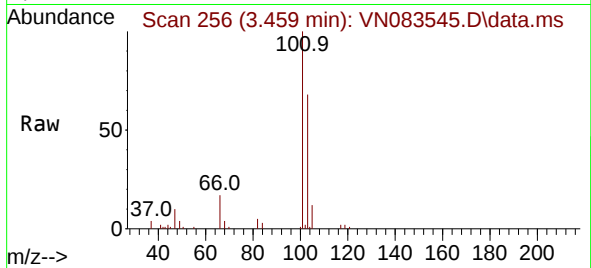
#7  
Trichlorofluoromethane  
Concen: 19.782 ug/l  
RT: 3.459 min Scan# 210  
Delta R.T. -0.024 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:101 Resp: 6810  
Ion Ratio Lower Upper  
101 100  
103 68.3 53.0 79.4

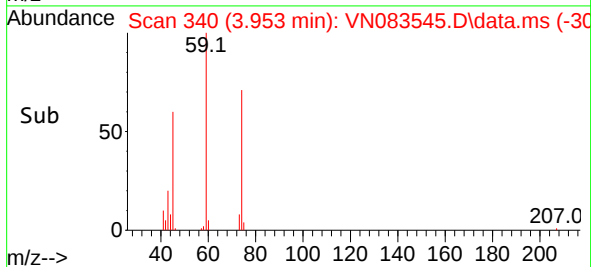
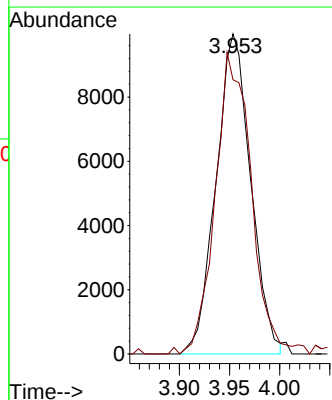
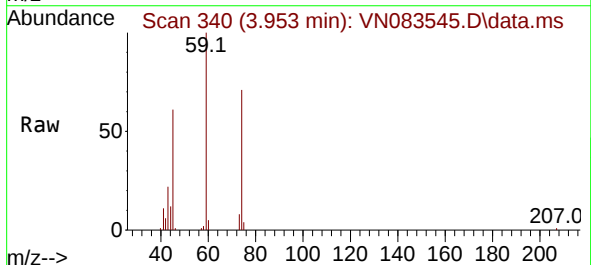
Manual Integrations  
APPROVED

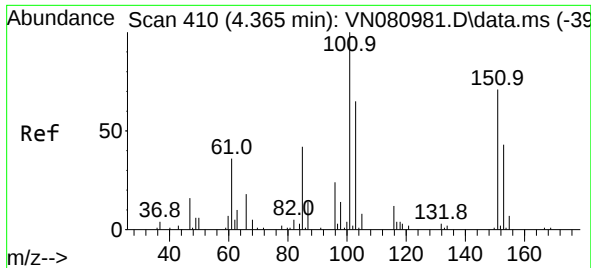
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#8  
Diethyl Ether  
Concen: 19.848 ug/l  
RT: 3.953 min Scan# 340  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

Tgt Ion: 74 Resp: 24002  
Ion Ratio Lower Upper  
74 100  
45 96.6 16.4 147.4





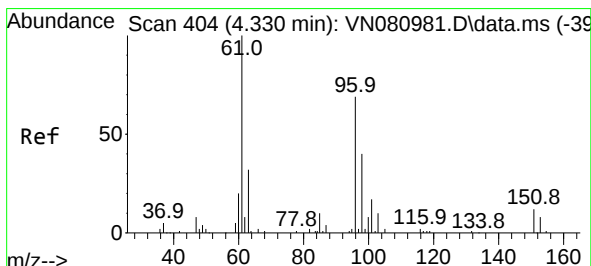
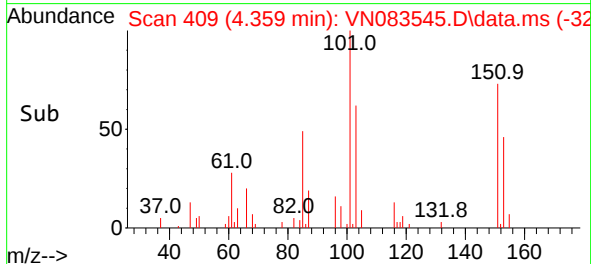
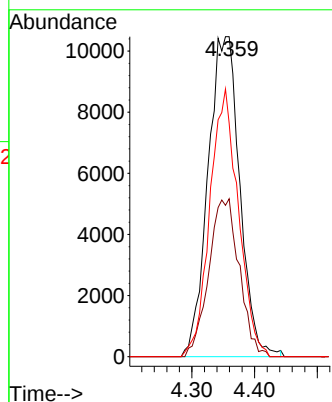
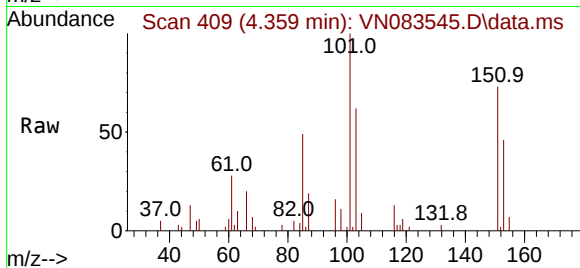
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.346 ug/l m  
RT: 4.359 min Scan# 409  
Delta R.T. -0.006 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:101 Resp: 36798  
Ion Ratio Lower Upper  
101 100  
85 27.8 0.0 90.6  
151 75.0 0.0 157.6

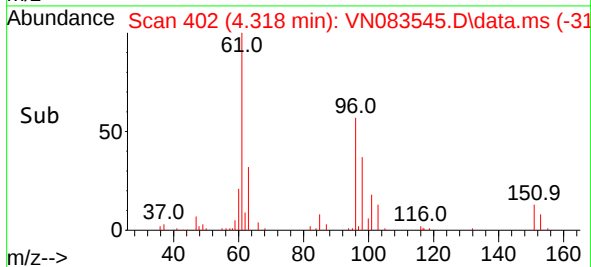
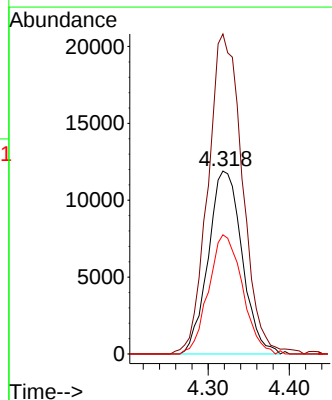
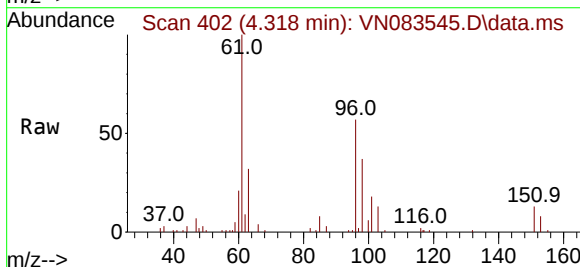
Manual Integrations  
APPROVED

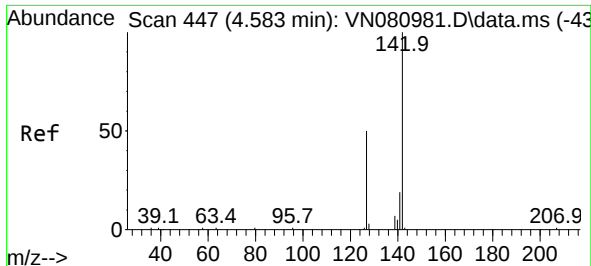
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#10  
1,1-Dichloroethene  
Concen: 19.077 ug/l  
RT: 4.318 min Scan# 402  
Delta R.T. -0.012 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

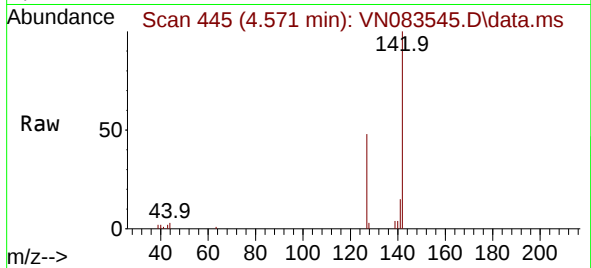
Tgt Ion: 96 Resp: 34352  
Ion Ratio Lower Upper  
96 100  
61 172.6 117.6 176.4  
98 65.2 48.4 72.6





#11  
Methyl Iodide  
Concen: 16.907 ug/l  
RT: 4.571 min Scan# 445  
Delta R.T. -0.012 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

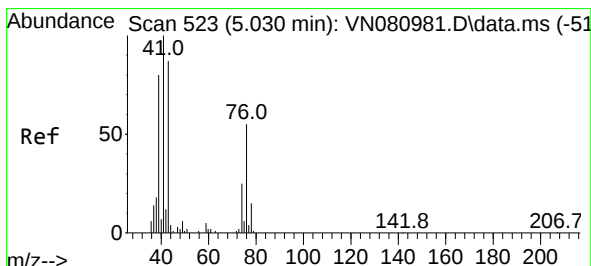
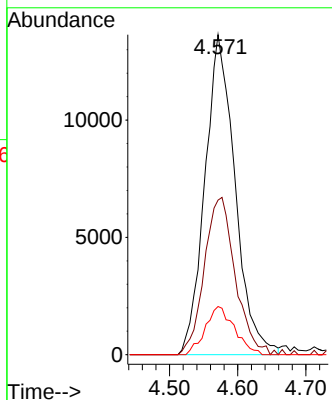
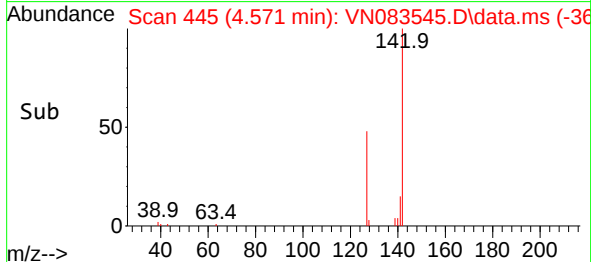
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:142 Resp: 41902  
Ion Ratio Lower Upper  
142 100  
127 48.8 26.3 78.9  
141 15.2 8.3 24.9

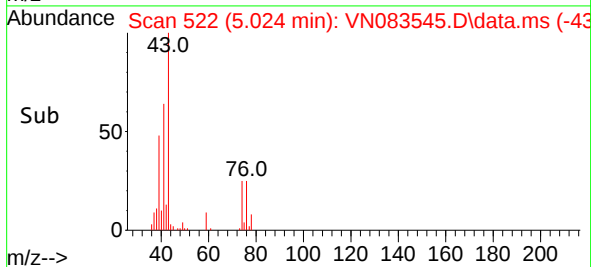
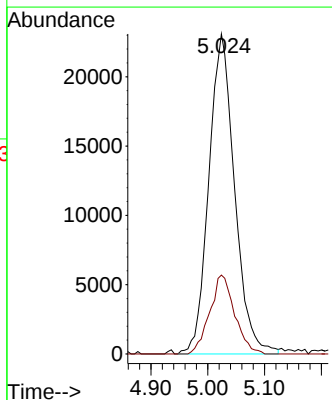
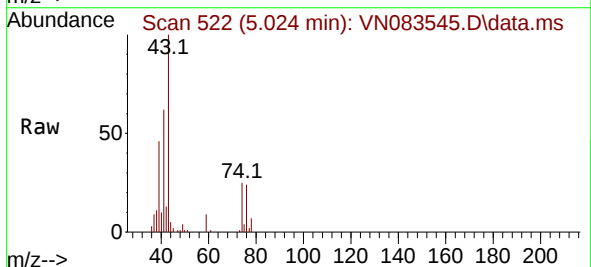
Manual Integrations  
APPROVED

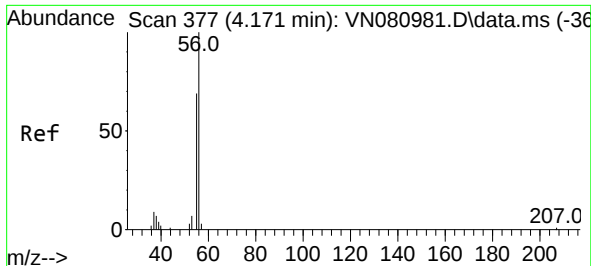
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#12  
Methyl Acetate  
Concen: 23.551 ug/l  
RT: 5.024 min Scan# 522  
Delta R.T. -0.006 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

Tgt Ion: 43 Resp: 72792  
Ion Ratio Lower Upper  
43 100  
74 24.8 27.7 41.5#





#13

Acrolein

Concen: 89.820 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.012 min

Lab File: VN083545.D

Acq: 28 Aug 2024 18:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 56 Resp: 2677

Ion Ratio Lower Upper

56 100

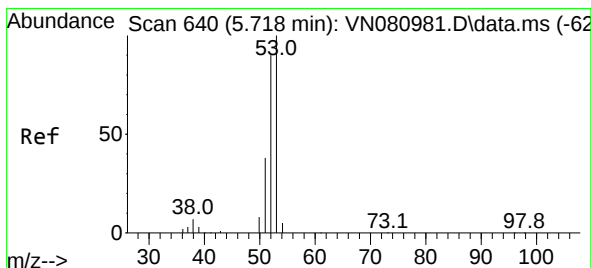
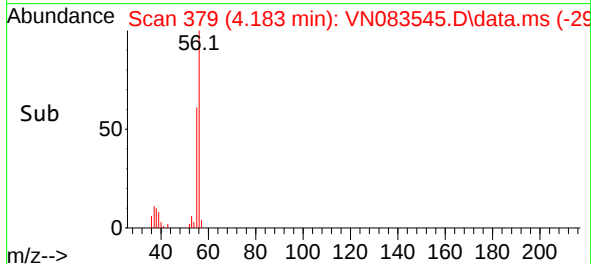
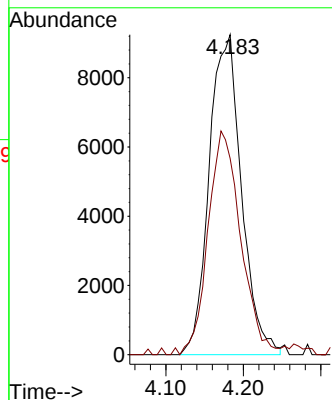
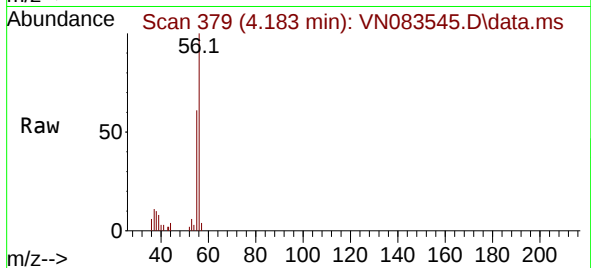
55 70.7 55.5 83.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/29/2024

Supervised By :Mahesh Dadoda 08/29/2024



#14

Acrylonitrile

Concen: 106.134 ug/l

RT: 5.724 min Scan# 641

Delta R.T. 0.006 min

Lab File: VN083545.D

Acq: 28 Aug 2024 18:57

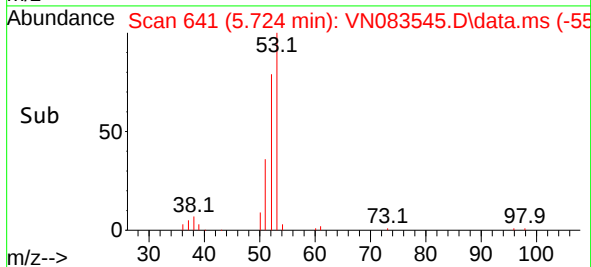
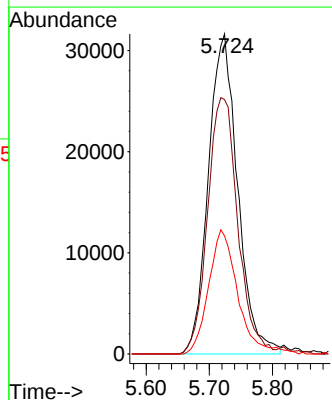
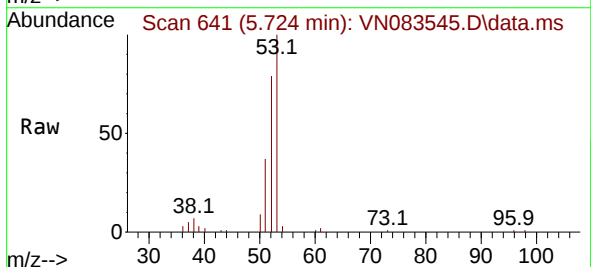
Tgt Ion: 53 Resp: 101865

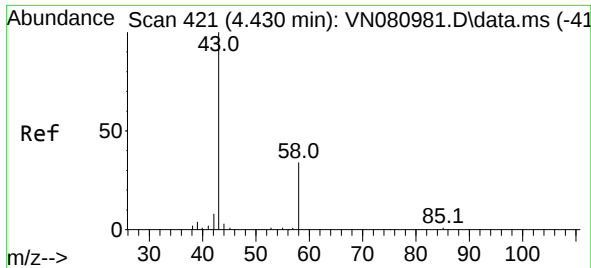
Ion Ratio Lower Upper

53 100

52 82.3 41.3 123.9

51 37.9 16.8 50.3





#15

Acetone

Concen: 86.570 ug/l

RT: 4.430 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN083545.D

Acq: 28 Aug 2024 18:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 24584

Ion Ratio Lower Upper

58 100

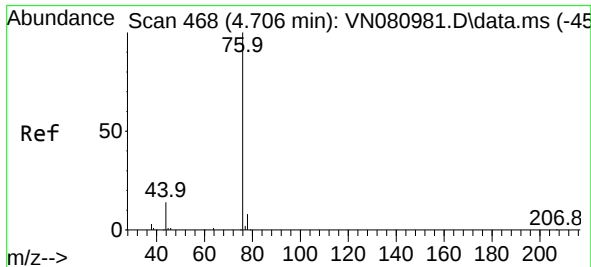
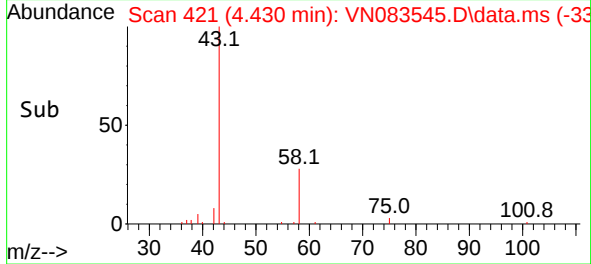
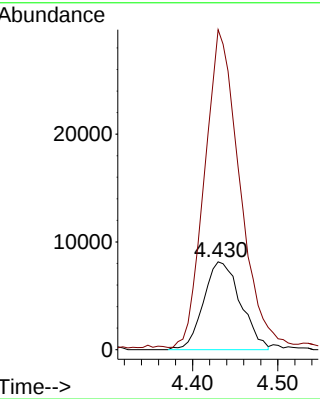
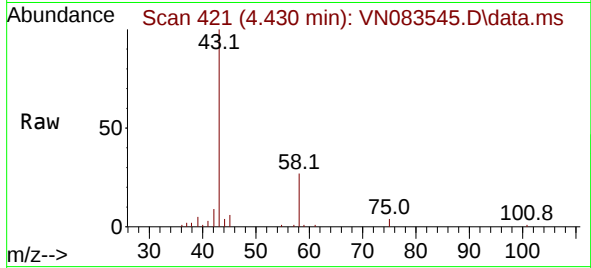
43 361.5 223.1 334.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/29/2024

Supervised By :Mahesh Dadoda 08/29/2024



#16

Carbon Disulfide

Concen: 18.504 ug/l

RT: 4.695 min Scan# 466

Delta R.T. -0.012 min

Lab File: VN083545.D

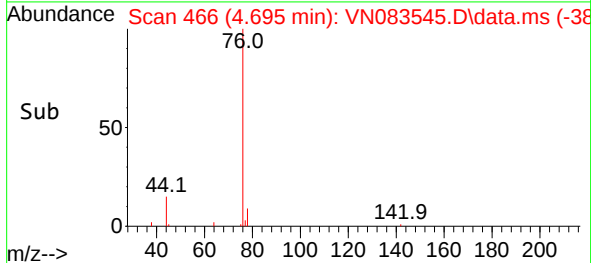
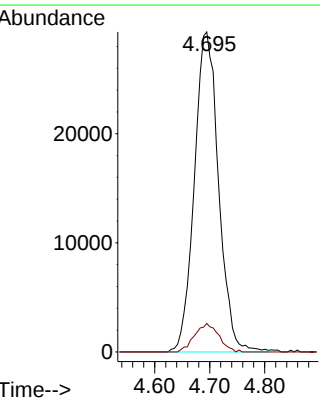
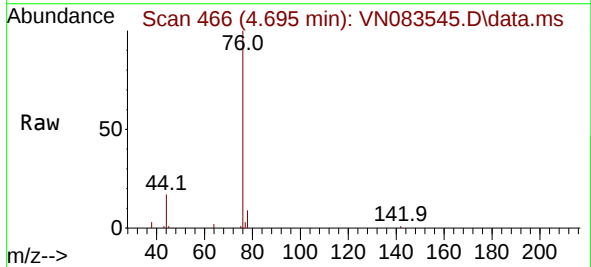
Acq: 28 Aug 2024 18:57

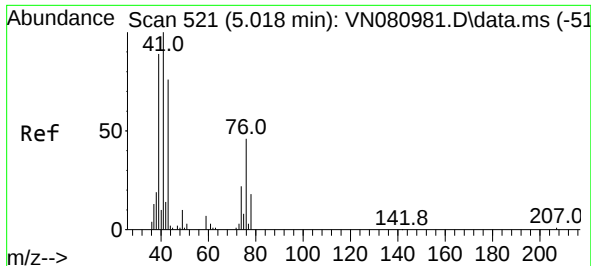
Tgt Ion: 76 Resp: 89779

Ion Ratio Lower Upper

76 100

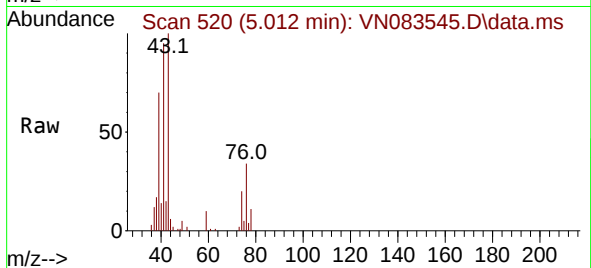
78 8.9 6.3 9.5





#17  
 Allyl chloride  
 Concen: 19.827 ug/l  
 RT: 5.012 min Scan# 51  
 Delta R.T. -0.006 min  
 Lab File: VN083545.D  
 Acq: 28 Aug 2024 18:57

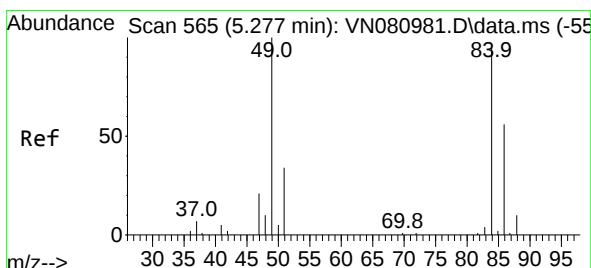
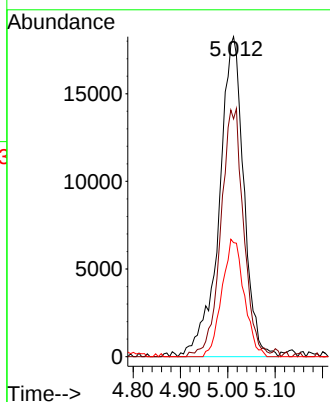
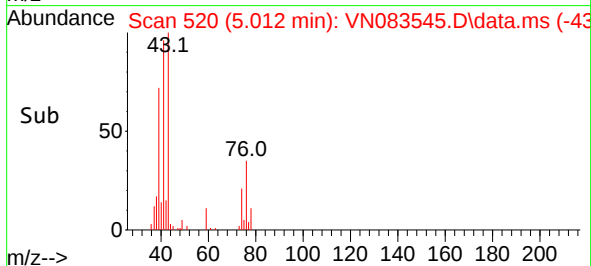
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC



Tgt Ion: 41 Resp: 6592  
 Ion Ratio Lower Upper  
 41 100  
 39 74.3 37.6 112.9  
 76 35.6 27.8 83.4

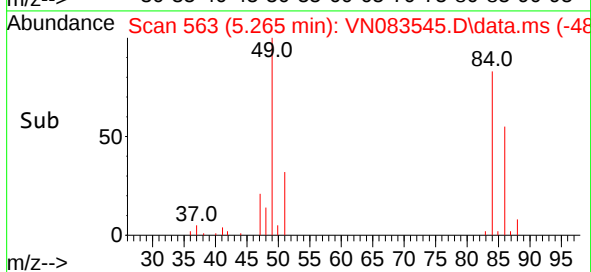
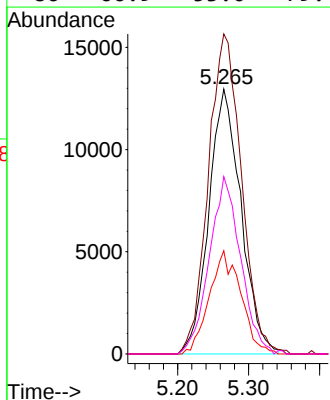
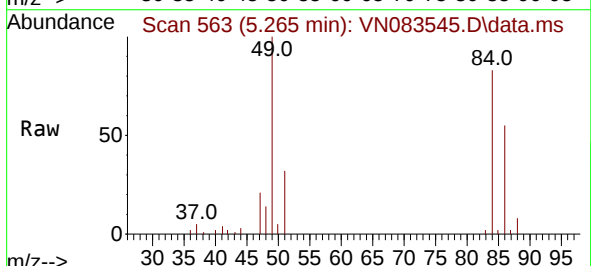
Manual Integrations  
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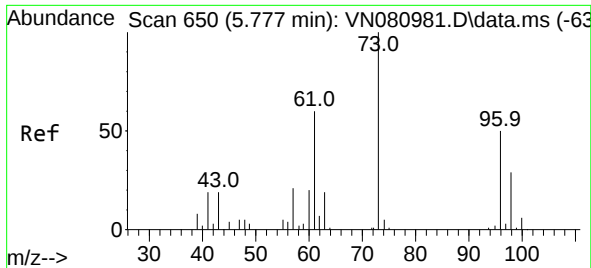
Reviewed By :John Carlone 08/29/2024  
 Supervised By :Mahesh Dadoda 08/29/2024



#18  
 Methylene Chloride  
 Concen: 20.384 ug/l  
 RT: 5.265 min Scan# 563  
 Delta R.T. -0.012 min  
 Lab File: VN083545.D  
 Acq: 28 Aug 2024 18:57

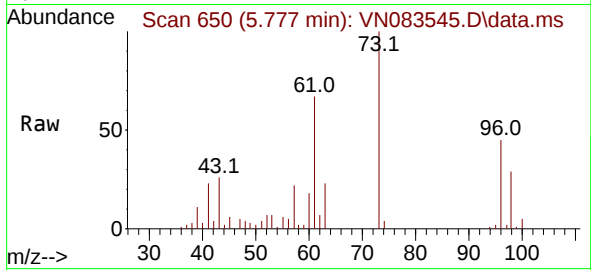
Tgt Ion: 84 Resp: 40710  
 Ion Ratio Lower Upper  
 84 100  
 49 120.8 86.0 129.0  
 51 39.0 30.0 45.0  
 86 66.9 53.0 79.4





#19  
trans-1,2-Dichloroethene  
Concen: 19.453 ug/l  
RT: 5.777 min Scan# 650  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

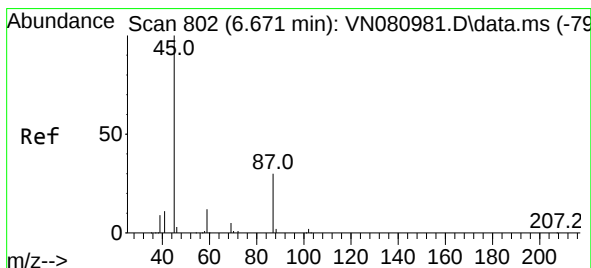
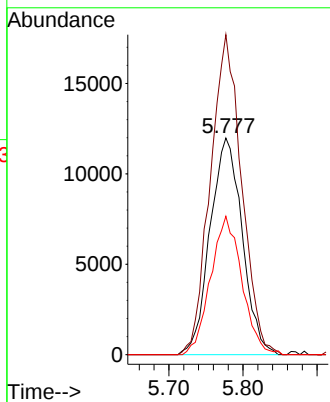
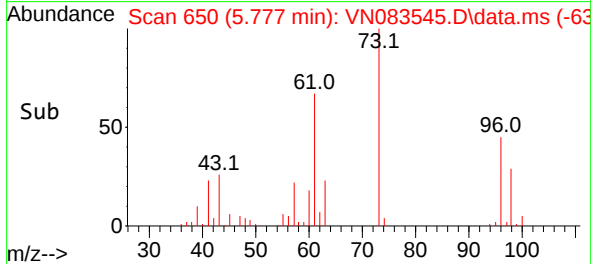
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 96 Resp: 36108  
Ion Ratio Lower Upper  
96 100  
61 147.7 111.8 167.6  
98 63.9 49.2 73.8

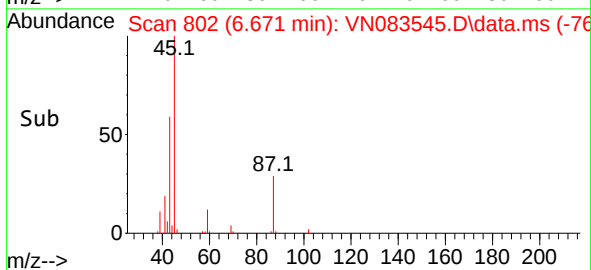
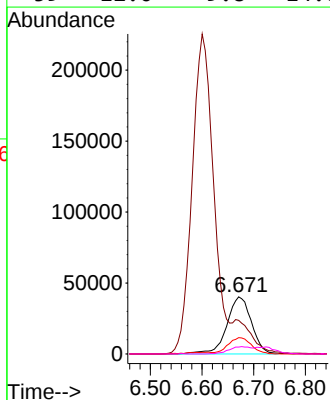
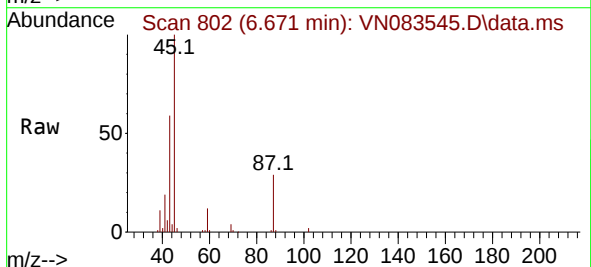
Manual Integrations  
APPROVED

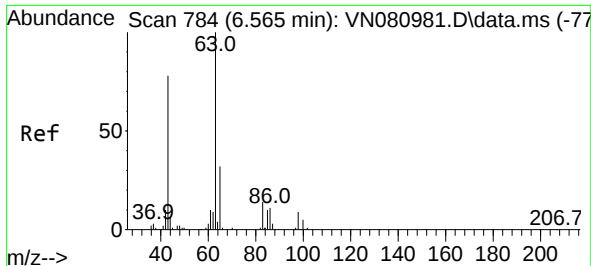
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#20  
Diisopropyl ether  
Concen: 20.593 ug/l  
RT: 6.671 min Scan# 802  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

Tgt Ion: 45 Resp: 133150  
Ion Ratio Lower Upper  
45 100  
43 55.3 40.4 60.6  
87 28.3 23.8 35.8  
59 12.0 9.8 14.6





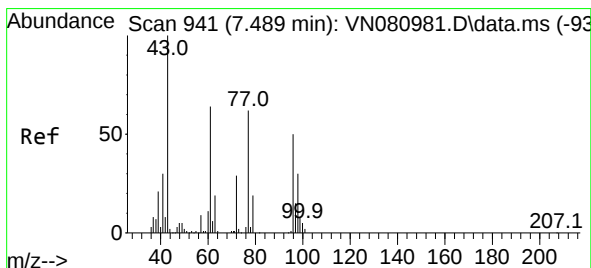
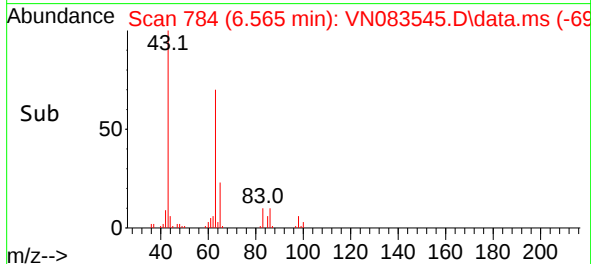
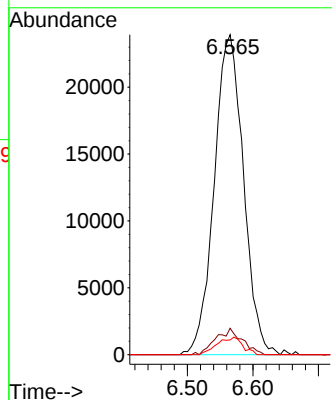
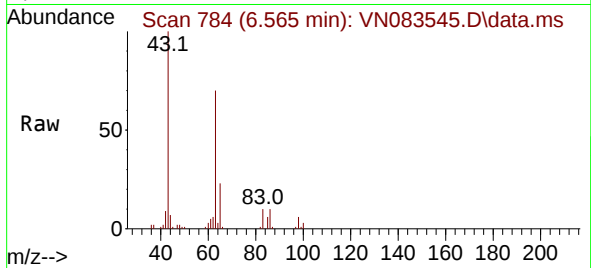
#21  
1,1-Dichloroethane  
Concen: 20.289 ug/l  
RT: 6.565 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 63 Resp: 7406  
Ion Ratio Lower Upper  
63 100  
98 8.2 4.1 12.3  
100 4.6 3.0 9.0

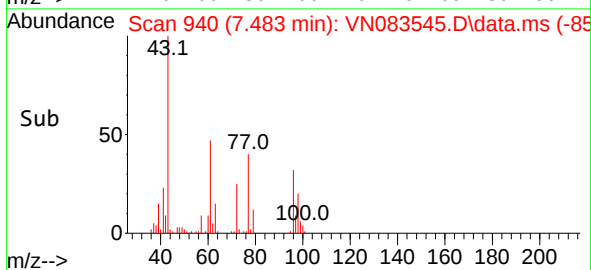
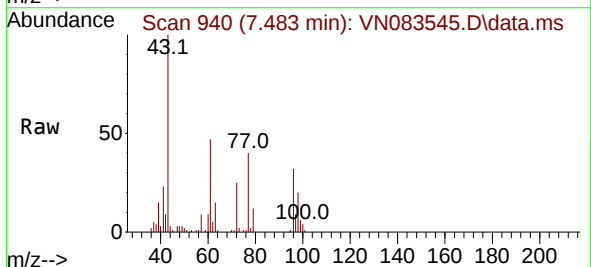
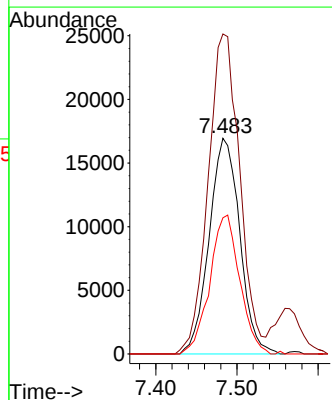
Manual Integrations  
APPROVED

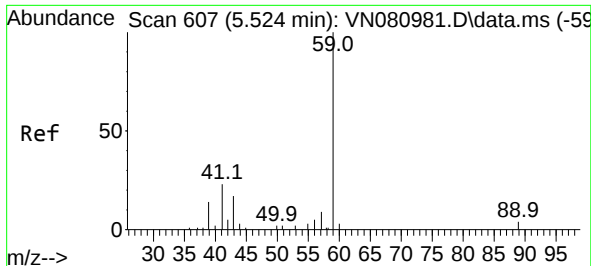
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#22  
cis-1,2-Dichloroethene  
Concen: 19.347 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. -0.006 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

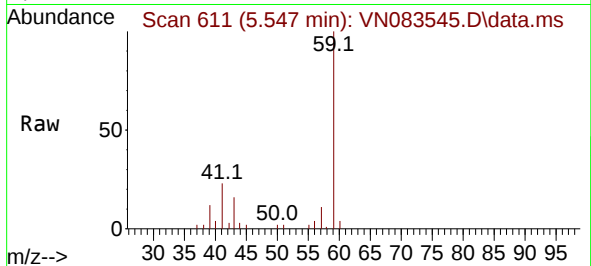
Tgt Ion: 96 Resp: 44426  
Ion Ratio Lower Upper  
96 100  
61 153.5 113.5 170.3  
98 63.0 52.0 78.0





#23  
tert-Butyl Alcohol  
Concen: 114.322 ug/l  
RT: 5.547 min Scan# 611  
Delta R.T. 0.024 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

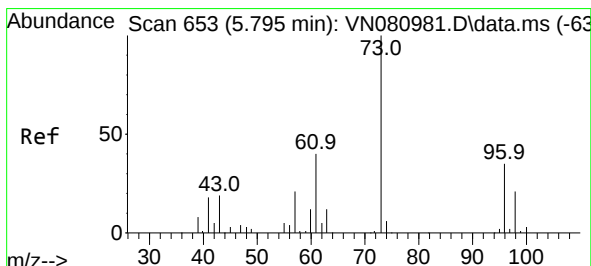
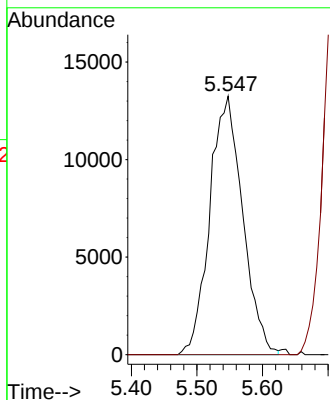
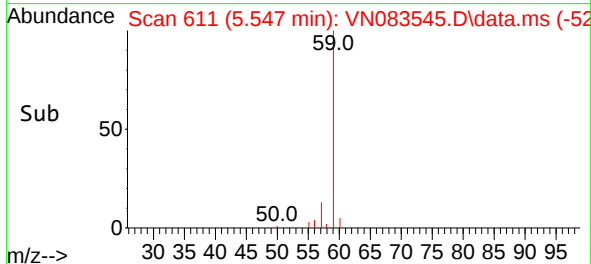
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



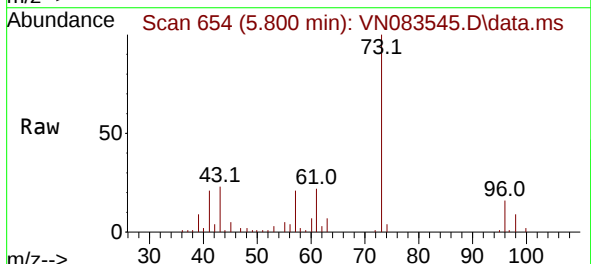
Tgt Ion: 59 Resp: 46294  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0

Manual Integrations  
APPROVED

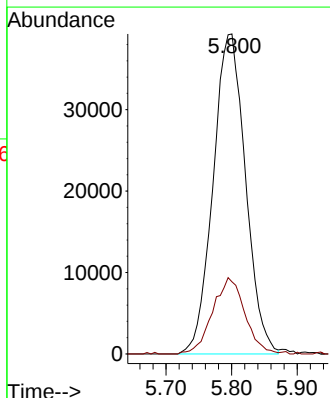
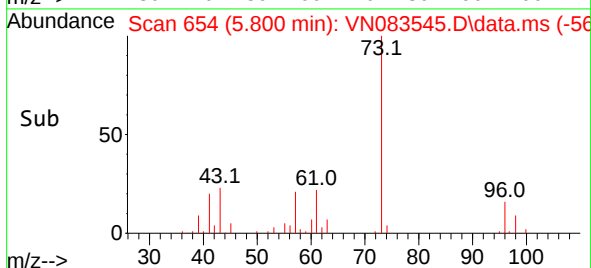
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024

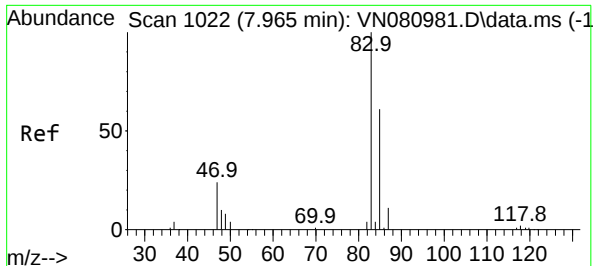


#24  
Methyl tert-Butyl Ether  
Concen: 20.234 ug/l  
RT: 5.800 min Scan# 654  
Delta R.T. 0.006 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57



Tgt Ion: 73 Resp: 134945  
Ion Ratio Lower Upper  
73 100  
43 23.7 13.4 20.2#





#25

Chloroform

Concen: 19.903 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN083545.D

Acq: 28 Aug 2024 18:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 83 Resp: 77035

Ion Ratio Lower Upper

83 100

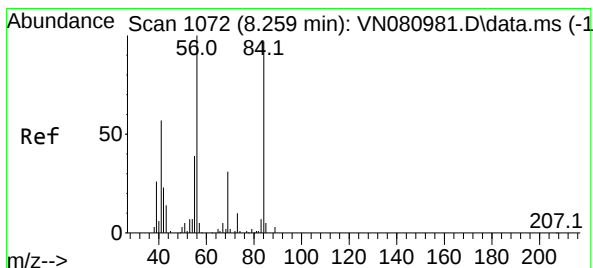
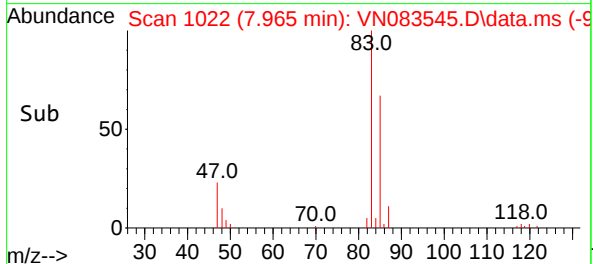
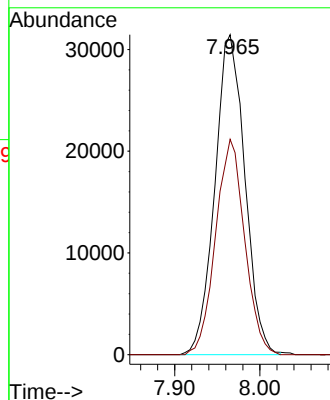
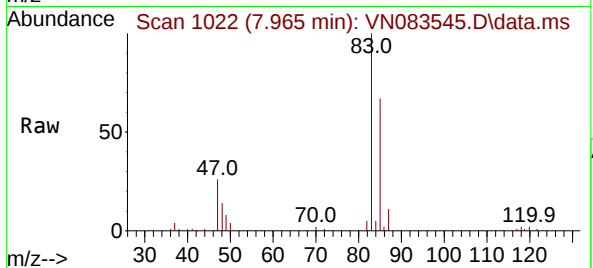
85 67.3 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/29/2024

Supervised By :Mahesh Dadoda 08/29/2024



#26

Cyclohexane

Concen: 19.778 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.006 min

Lab File: VN083545.D

Acq: 28 Aug 2024 18:57

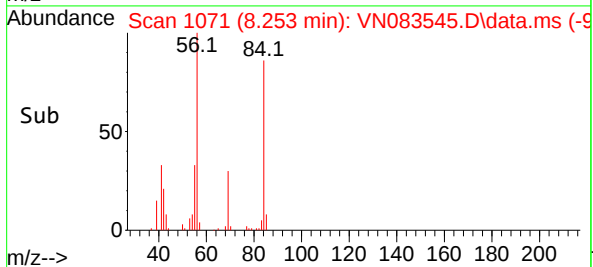
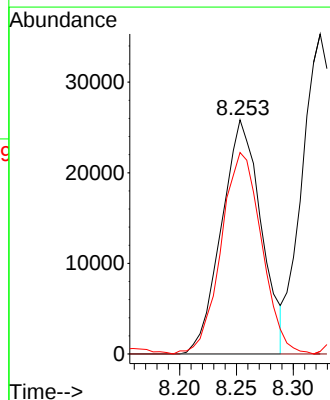
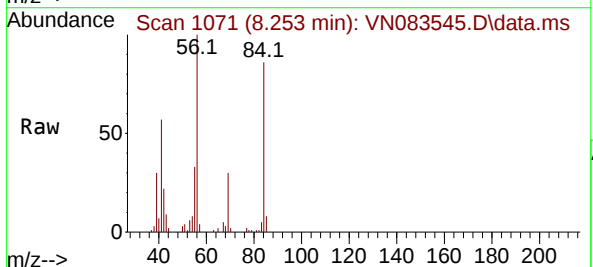
Tgt Ion: 56 Resp: 62766

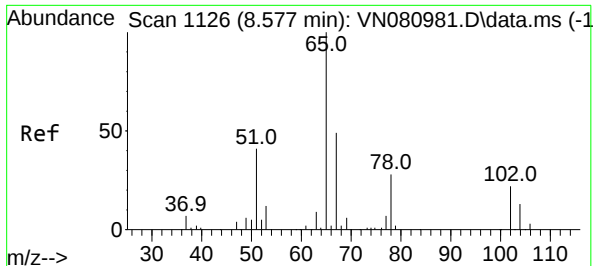
Ion Ratio Lower Upper

56 100

89 0.0 19.3 28.9#

84 87.7 71.3 106.9





#27

1,2-Dichloroethane-d4

Concen: 30.337 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN083545.D

Acq: 28 Aug 2024 18:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 65 Resp: 7832

Ion Ratio Lower Upper

65 100

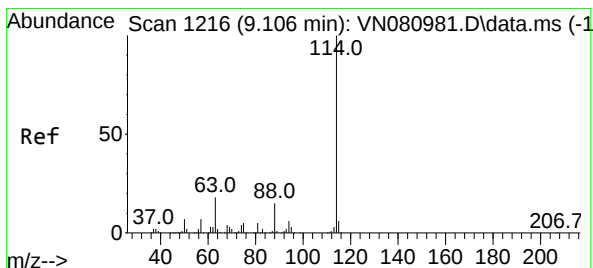
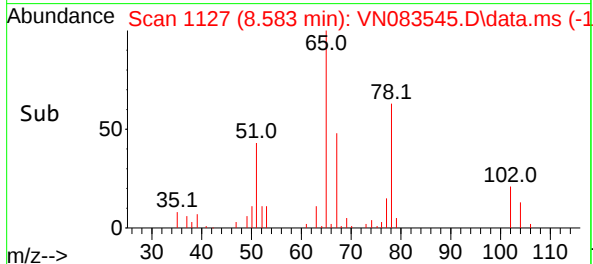
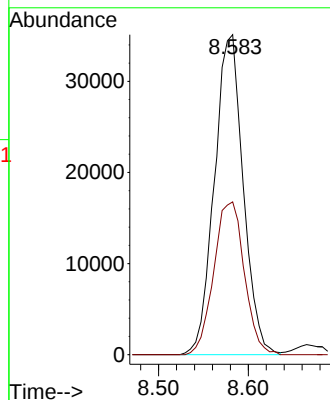
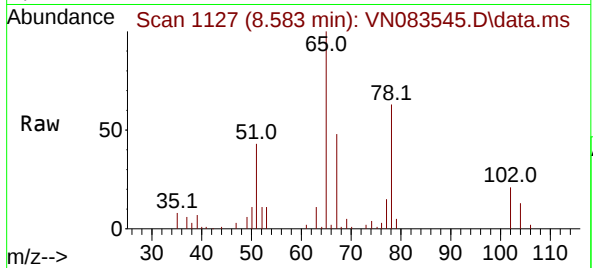
67 50.5 43.2 64.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/29/2024

Supervised By :Mahesh Dadoda 08/29/2024



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN083545.D

Acq: 28 Aug 2024 18:57

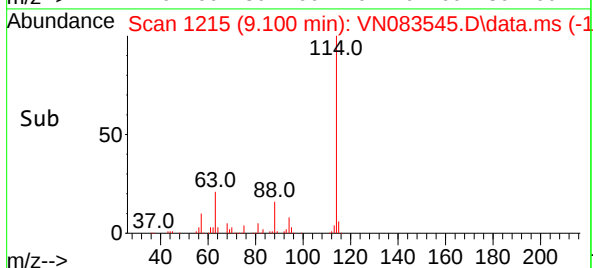
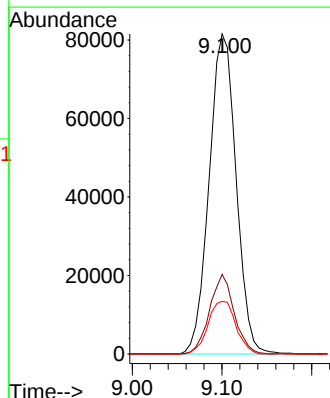
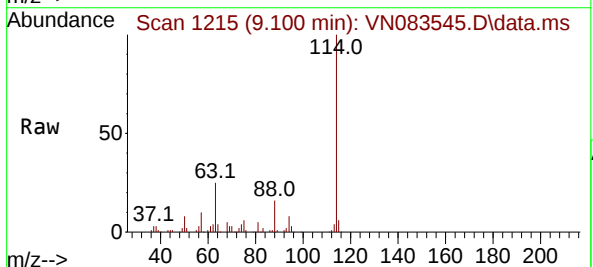
Tgt Ion:114 Resp: 170106

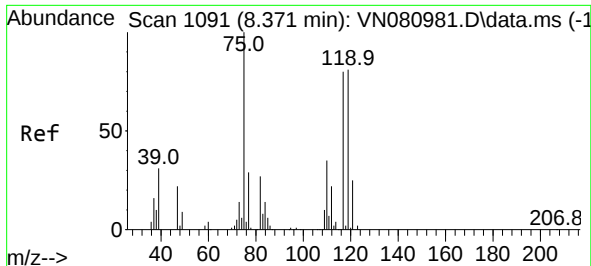
Ion Ratio Lower Upper

114 100

63 22.7 15.9 23.9

88 16.9 12.7 19.1





#29

1,1-Dichloropropene

Concen: 19.670 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VN083545.D

Acq: 28 Aug 2024 18:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

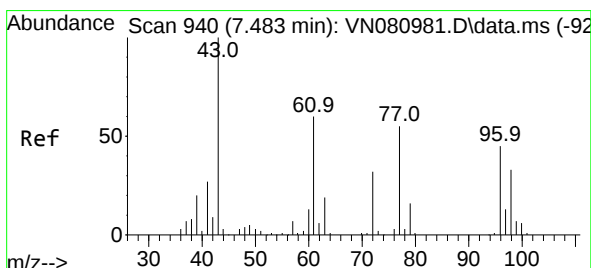
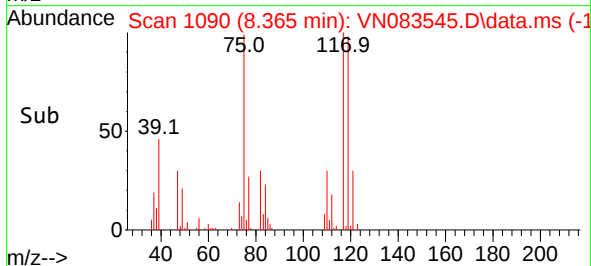
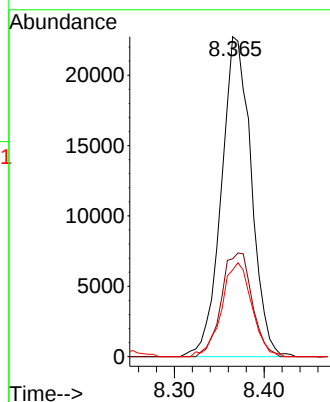
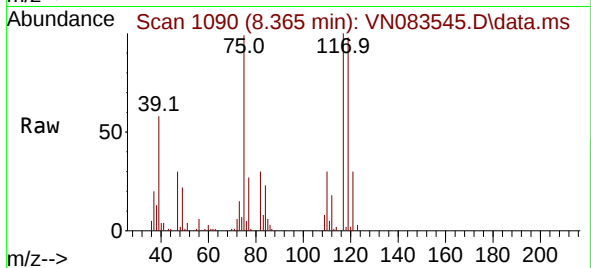
|             |               |
|-------------|---------------|
| Tgt Ion: 75 | Resp: 5249    |
| Ion Ratio   | Lower Upper   |
| 75          | 100           |
| 110         | 33.5 0.0 70.2 |
| 77          | 29.6 0.0 61.4 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/29/2024

Supervised By :Mahesh Dadoda 08/29/2024



#30

2-Butanone

Concen: 101.204 ug/l

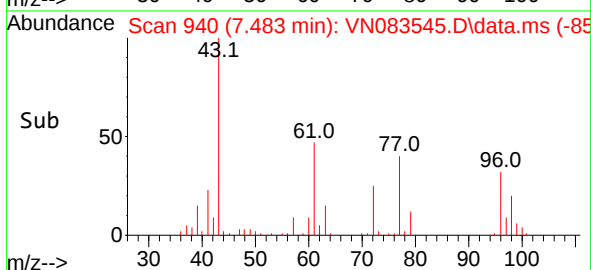
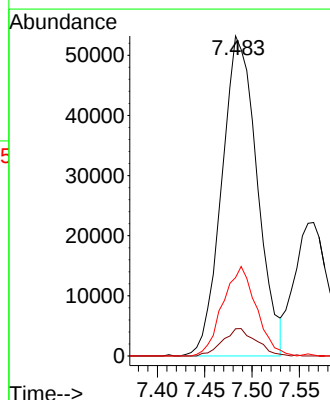
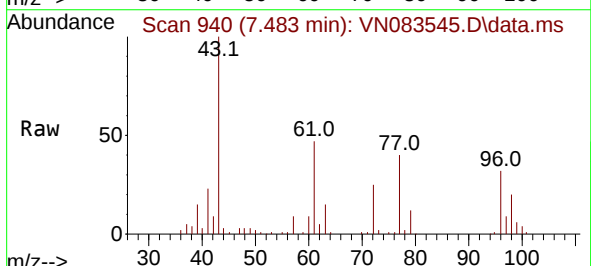
RT: 7.483 min Scan# 940

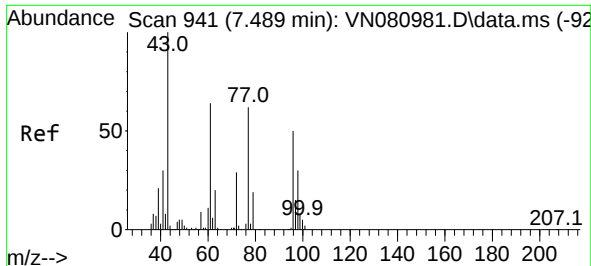
Delta R.T. -0.000 min

Lab File: VN083545.D

Acq: 28 Aug 2024 18:57

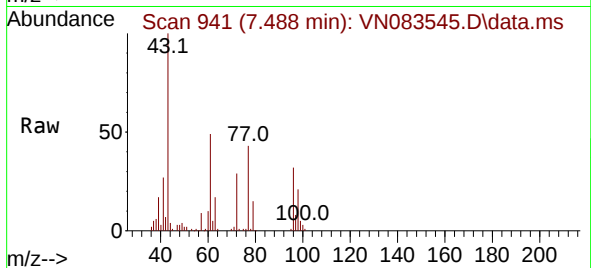
|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 138557   |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 57          | 8.0 6.7 10.1   |
| 72          | 26.5 24.0 36.0 |





#31  
2,2-Dichloropropane  
Concen: 17.770 ug/l  
RT: 7.488 min Scan# 941  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

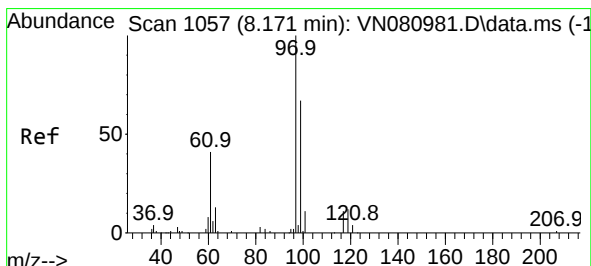
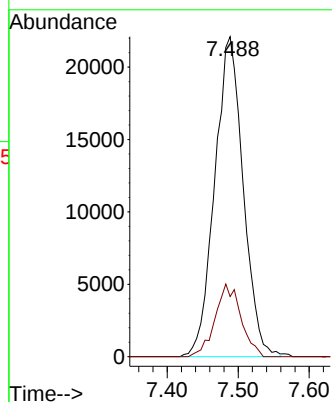
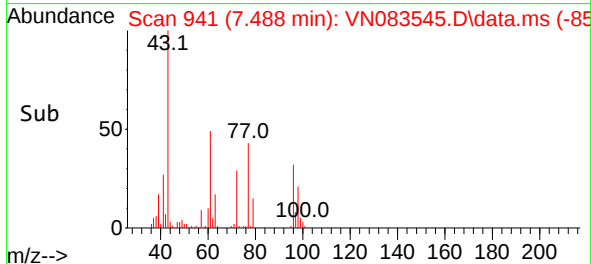
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



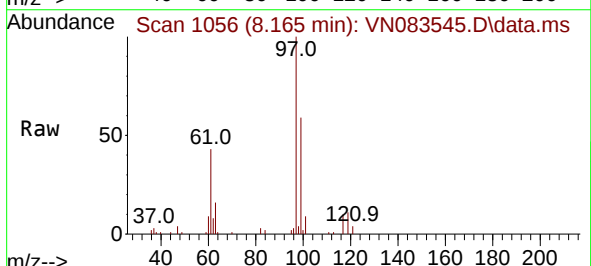
Tgt Ion: 77 Resp: 6149  
Ion Ratio Lower Upper  
77 100  
97 20.6 18.3 27.5

Manual Integrations  
APPROVED

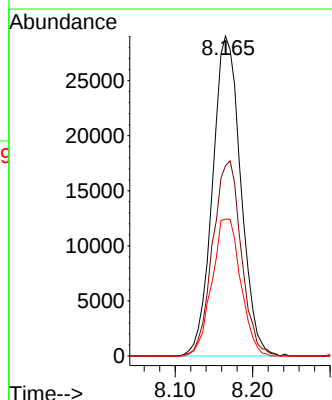
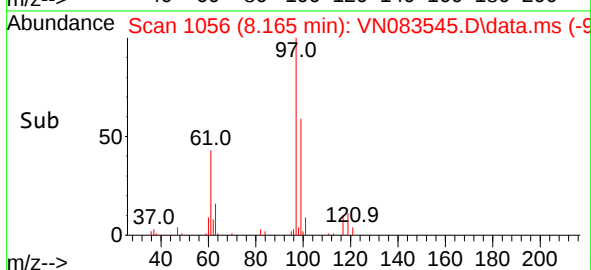
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024

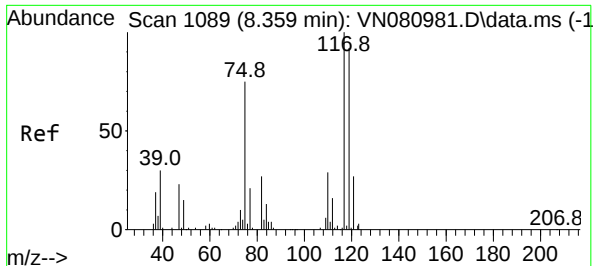


#32  
1,1,1-Trichloroethane  
Concen: 20.613 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57



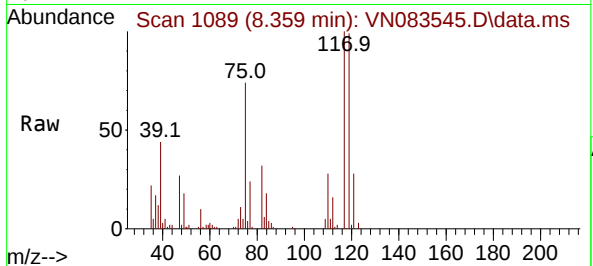
Tgt Ion: 97 Resp: 73519  
Ion Ratio Lower Upper  
97 100  
99 61.9 51.0 76.4  
61 43.7 33.8 50.8





#33  
Carbon Tetrachloride  
Concen: 19.576 ug/l  
RT: 8.359 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

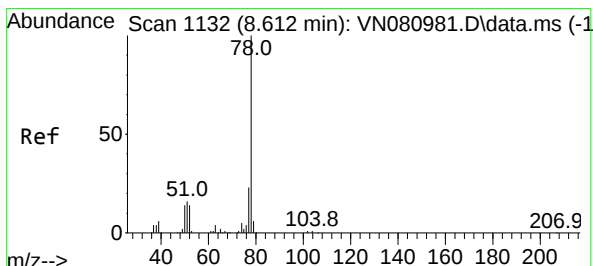
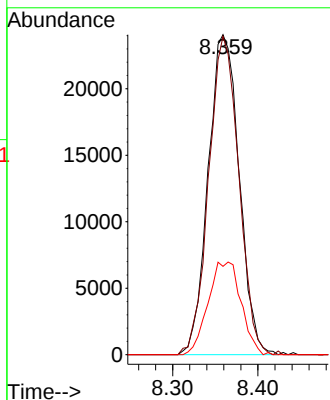
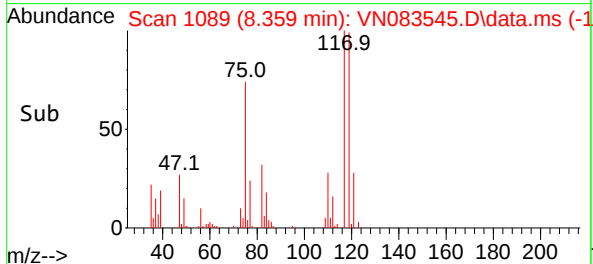
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 117 Resp: 60794  
Ion Ratio Lower Upper  
117 100  
119 99.4 77.7 116.5  
121 27.6 27.0 40.6

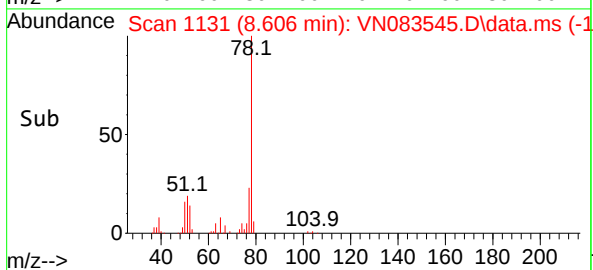
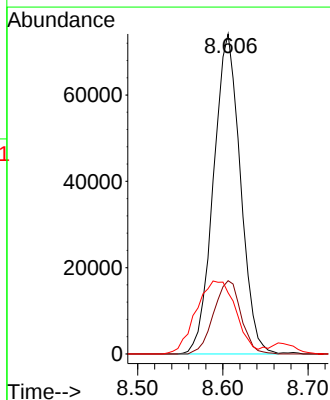
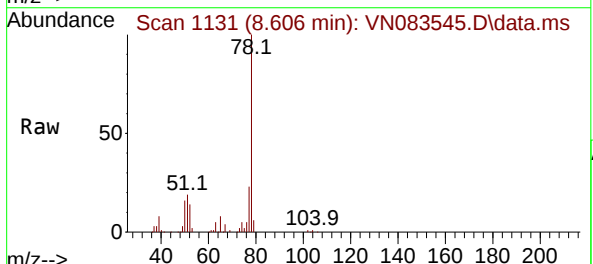
Manual Integrations  
APPROVED

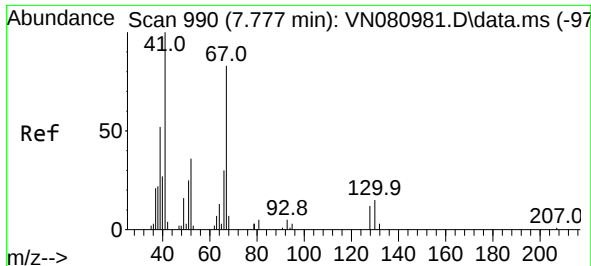
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#34  
Benzene  
Concen: 20.092 ug/l  
RT: 8.606 min Scan# 1131  
Delta R.T. -0.006 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

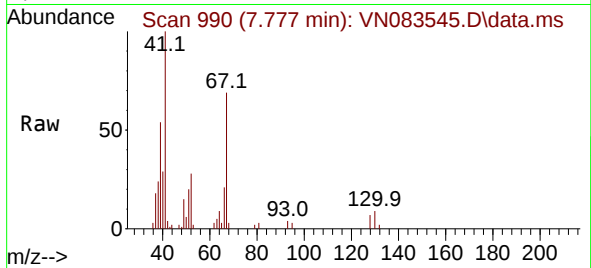
Tgt Ion: 78 Resp: 162708  
Ion Ratio Lower Upper  
78 100  
77 22.9 19.2 28.8  
51 17.4 13.3 19.9





#35  
Methacrylonitrile  
Concen: 20.438 ug/l  
RT: 7.777 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

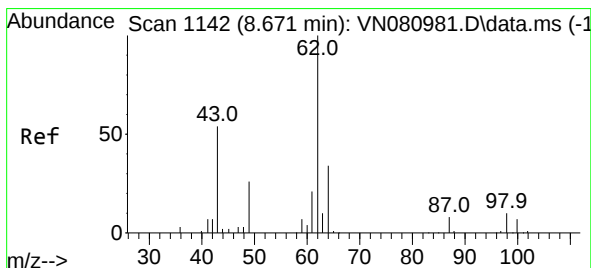
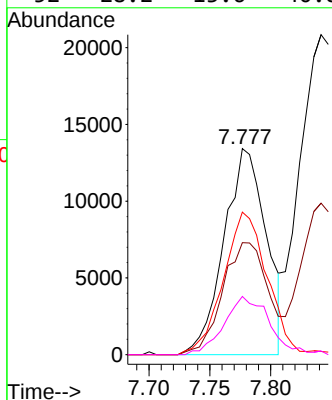
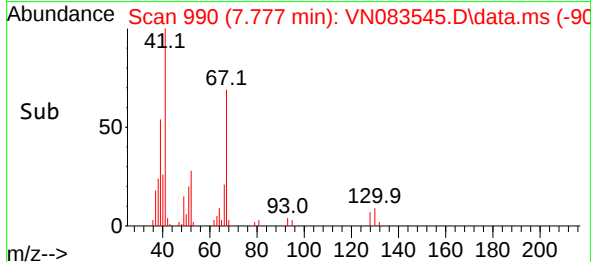
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 41 Resp: 3237  
Ion Ratio Lower Upper  
41 100  
39 54.3 25.3 75.9  
67 69.2 38.7 116.1  
52 28.2 13.6 40.8

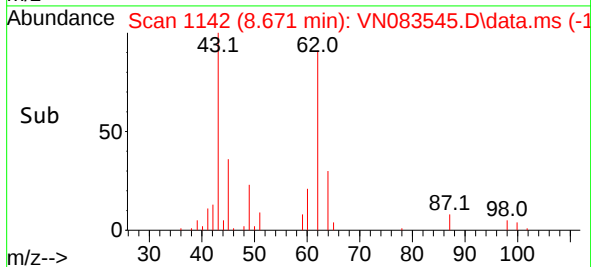
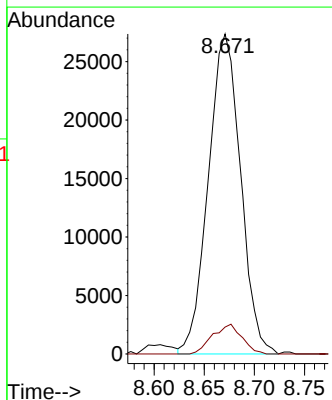
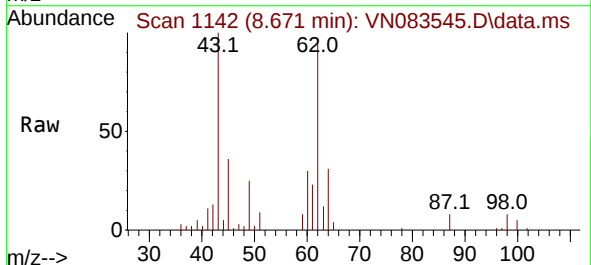
Manual Integrations  
APPROVED

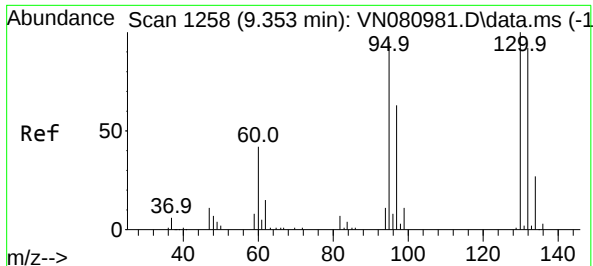
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#36  
1,2-Dichloroethane  
Concen: 20.269 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

Tgt Ion: 62 Resp: 61201  
Ion Ratio Lower Upper  
62 100  
98 8.5 8.2 12.4





#37

Trichloroethene

Concen: 20.063 ug/l

RT: 9.347 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN083545.D

Acq: 28 Aug 2024 18:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:130 Resp: 3850

Ion Ratio Lower Upper

130 100

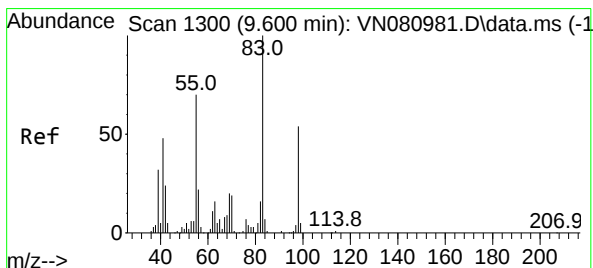
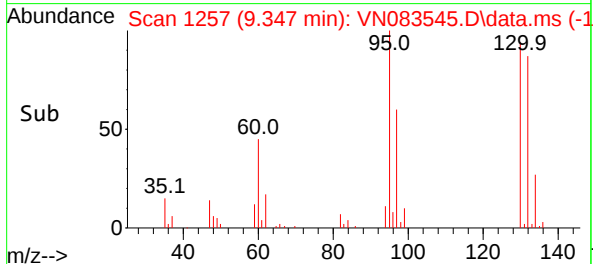
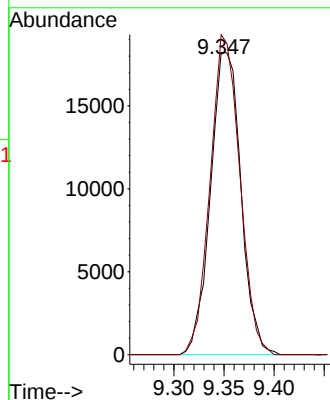
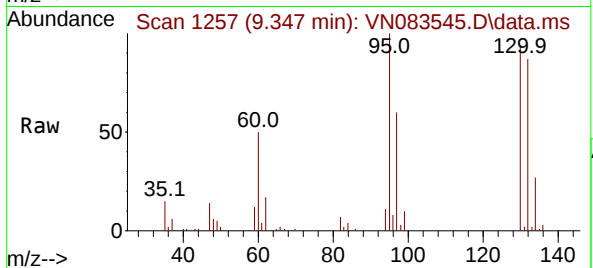
95 105.9 80.2 120.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/29/2024

Supervised By :Mahesh Dadoda 08/29/2024



#38

Methylcyclohexane

Concen: 18.873 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.000 min

Lab File: VN083545.D

Acq: 28 Aug 2024 18:57

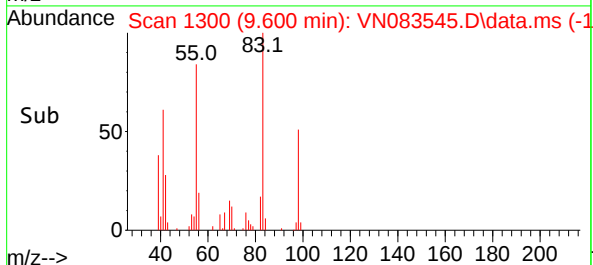
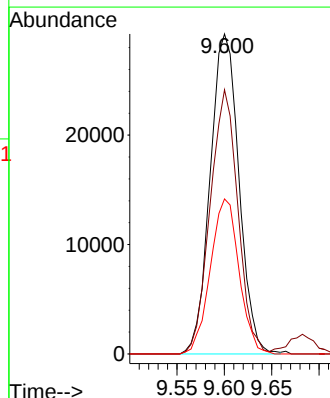
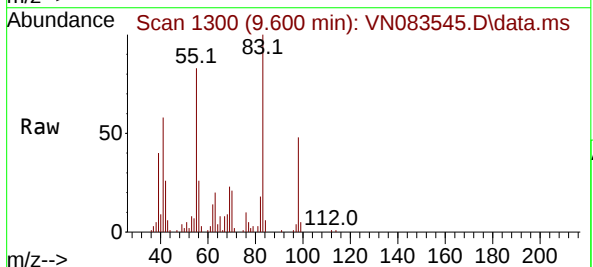
Tgt Ion: 83 Resp: 61765

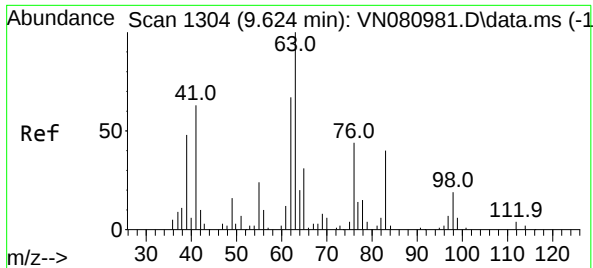
Ion Ratio Lower Upper

83 100

55 79.6 36.6 109.9

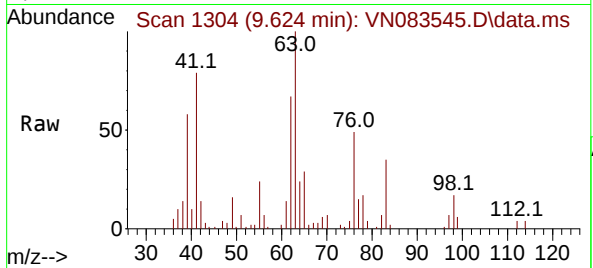
98 48.4 23.8 71.5





#39  
1,2-Dichloropropane  
Concen: 20.376 ug/l  
RT: 9.624 min Scan# 1304  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

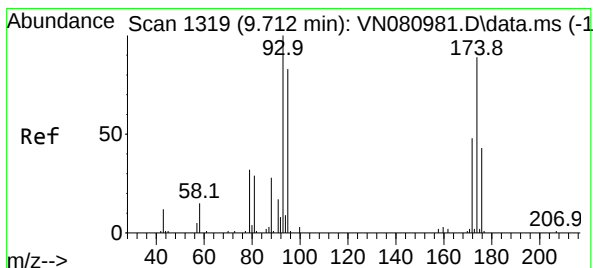
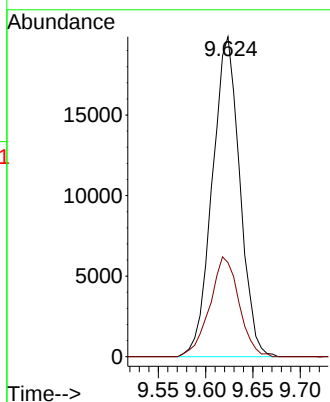
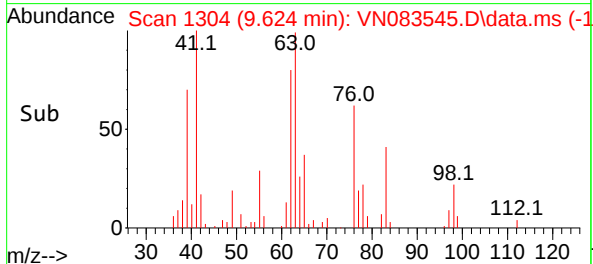
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 63 Resp: 40118  
Ion Ratio Lower Upper  
63 100  
65 29.4 25.0 37.4

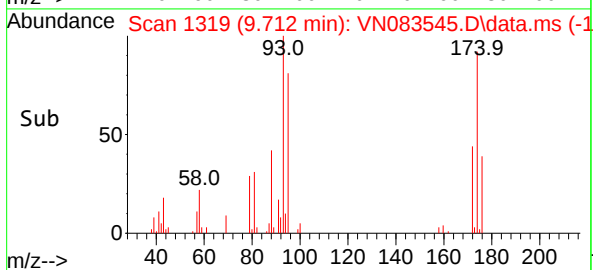
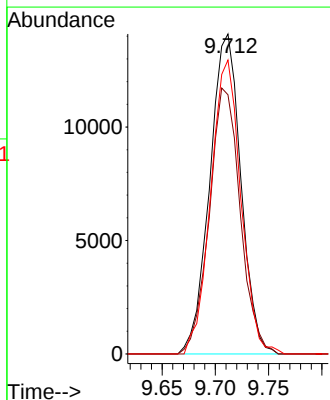
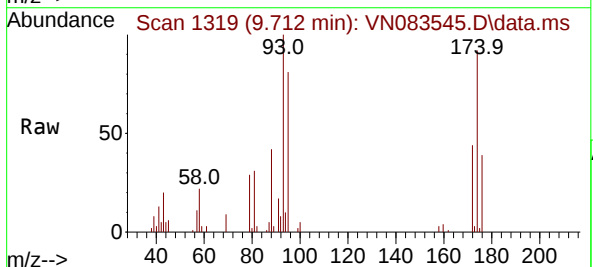
Manual Integrations  
APPROVED

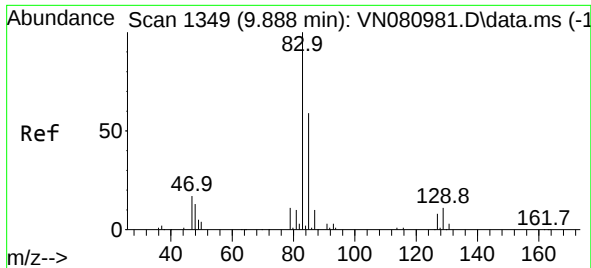
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#40  
Dibromomethane  
Concen: 20.257 ug/l  
RT: 9.712 min Scan# 1319  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

Tgt Ion: 93 Resp: 28630  
Ion Ratio Lower Upper  
93 100  
95 82.6 0.0 164.6  
174 89.0 0.0 193.2





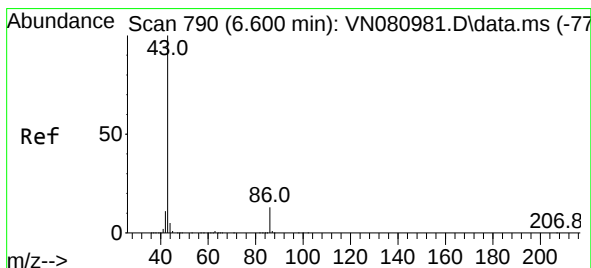
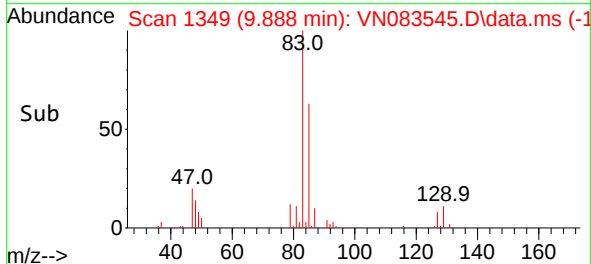
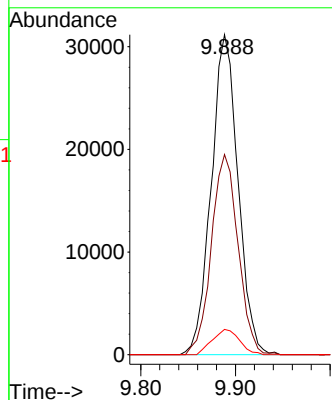
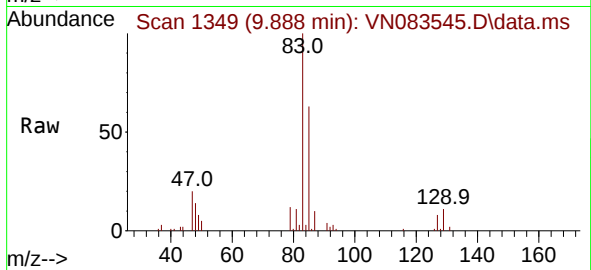
#41  
Bromodichloromethane  
Concen: 20.041 ug/l  
RT: 9.888 min Scan# 1349  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 83 Resp: 61215  
Ion Ratio Lower Upper  
83 100  
85 62.6 49.4 74.2  
127 7.9 7.3 10.9

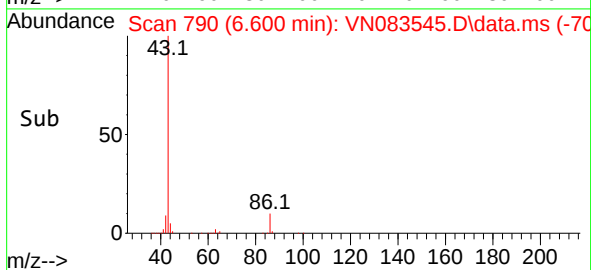
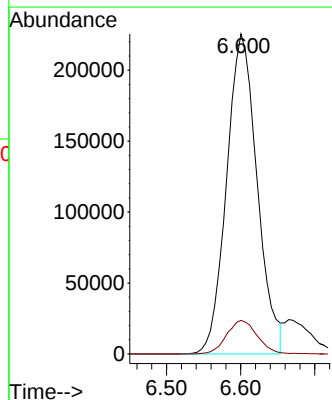
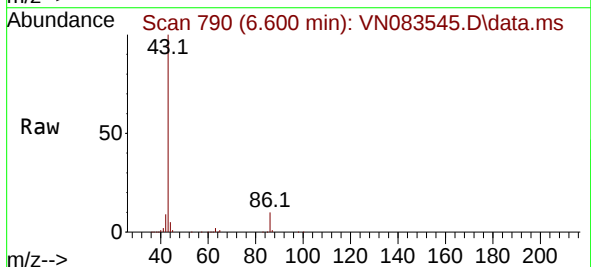
Manual Integrations  
APPROVED

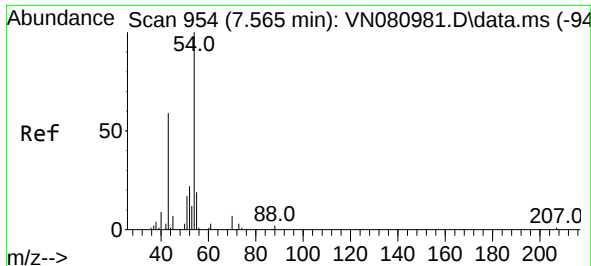
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#42  
Vinyl Acetate  
Concen: 96.223 ug/l  
RT: 6.600 min Scan# 790  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

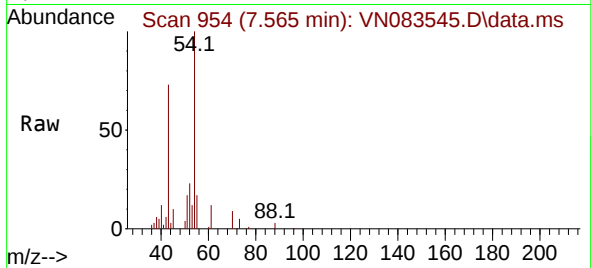
Tgt Ion: 43 Resp: 646497  
Ion Ratio Lower Upper  
43 100  
86 10.5 9.4 14.2





#43  
Ethyl Acetate  
Concen: 21.331 ug/l  
RT: 7.565 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

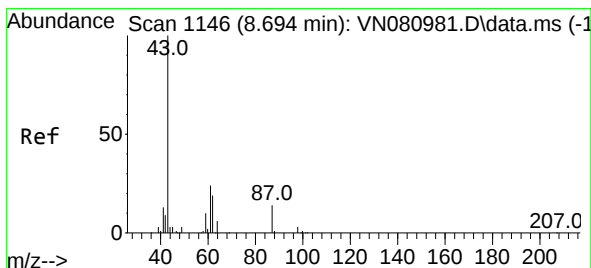
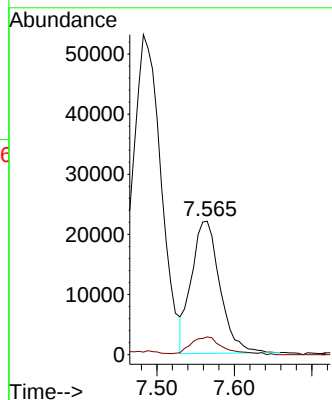
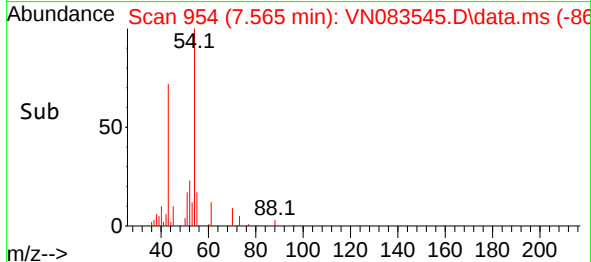
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



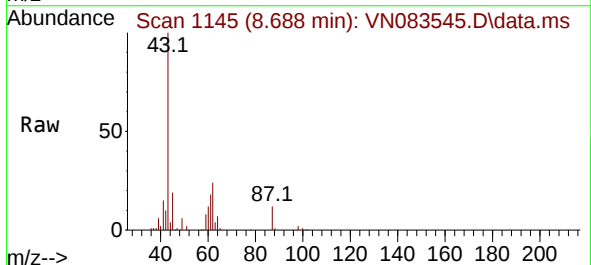
Tgt Ion: 43 Resp: 5609  
Ion Ratio Lower Upper  
43 100  
45 15.1 10.6 15.8

Manual Integrations  
APPROVED

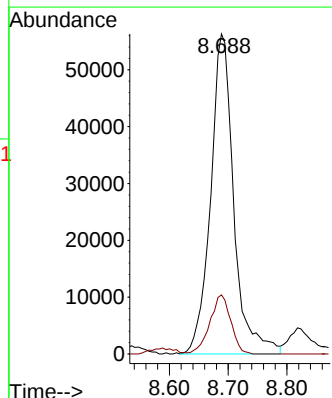
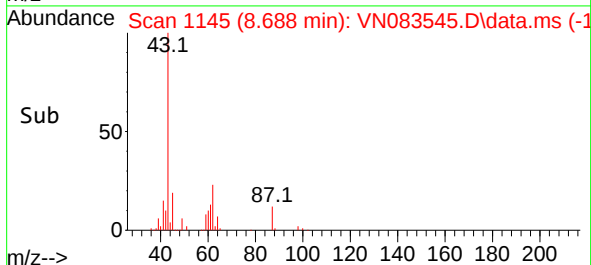
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024

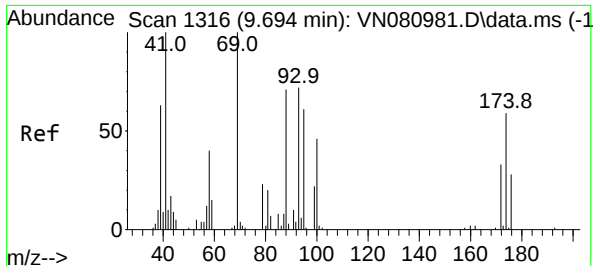


#44  
Isopropyl Acetate  
Concen: 24.790 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57



Tgt Ion: 43 Resp: 154006  
Ion Ratio Lower Upper  
43 100  
61 16.7 25.0 37.4#





#45

1,4-Dioxane

Concen: 437.635 ug/l

RT: 9.700 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN083545.D

Acq: 28 Aug 2024 18:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 88 Resp: 17630

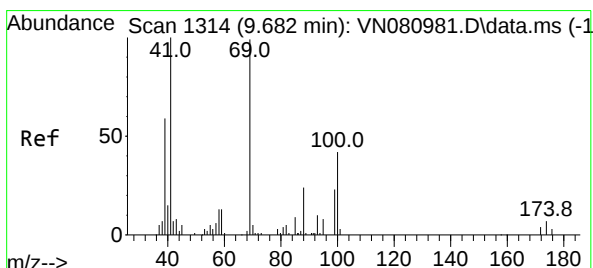
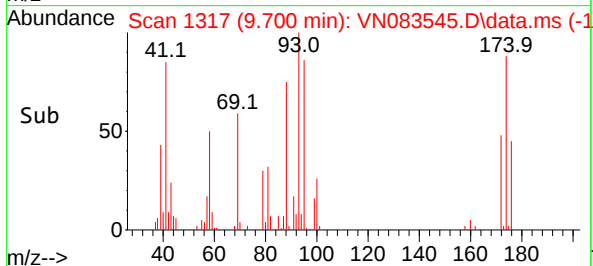
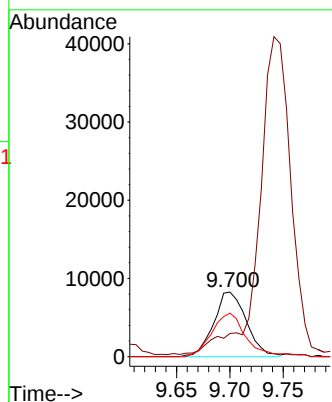
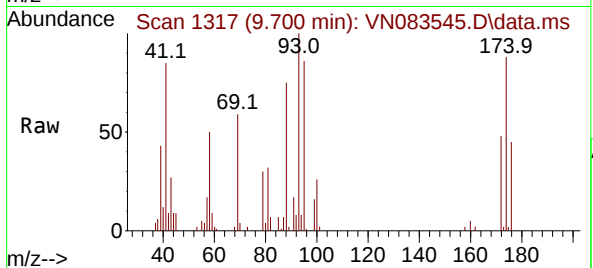
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 33.3  | 19.8  | 29.6  |
| 58  | 68.7  | 55.4  | 83.0  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/29/2024

Supervised By :Mahesh Dadoda 08/29/2024



#46

Methyl methacrylate

Concen: 21.916 ug/l

RT: 9.682 min Scan# 1314

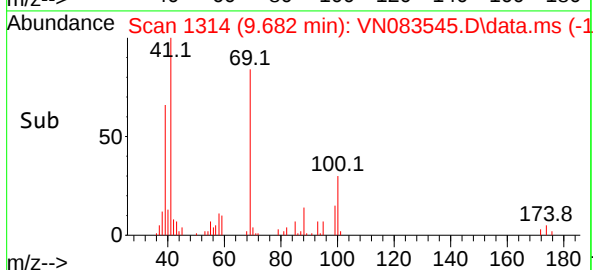
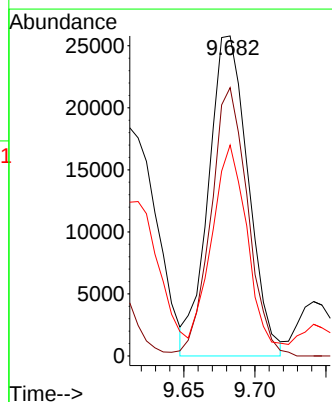
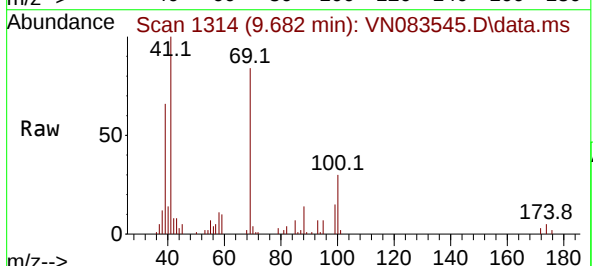
Delta R.T. -0.000 min

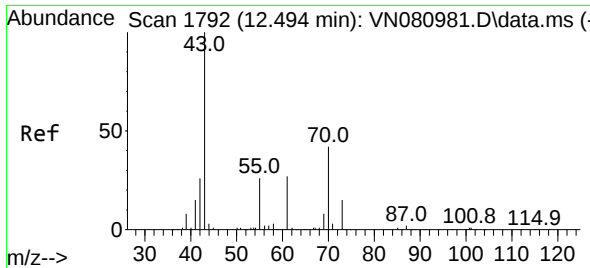
Lab File: VN083545.D

Acq: 28 Aug 2024 18:57

Tgt Ion: 41 Resp: 50310

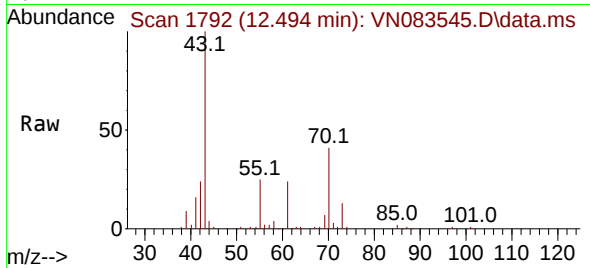
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 69  | 86.1  | 51.1  | 153.3 |
| 39  | 64.8  | 25.8  | 77.3  |





#47  
n-amy1 Acetate  
Concen: 20.641 ug/l  
RT: 12.494 min Scan# 1792  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

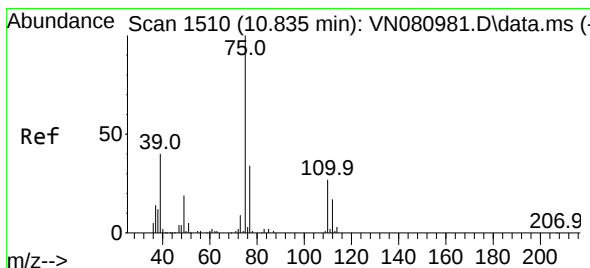
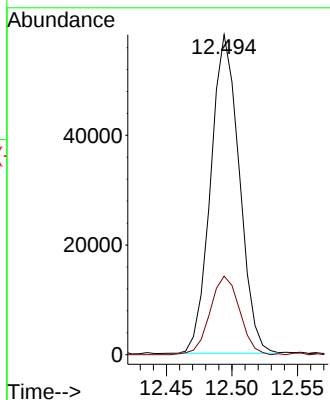
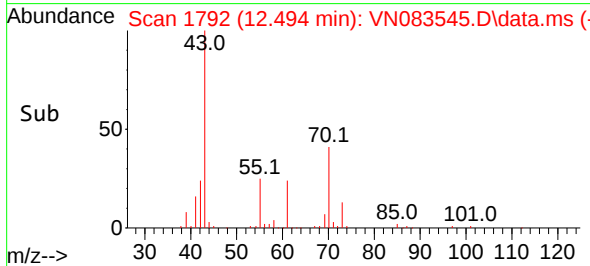
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 43 Resp: 88249  
Ion Ratio Lower Upper  
43 100  
55 25.4 23.4 35.2

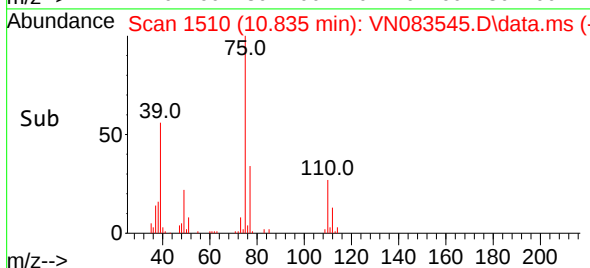
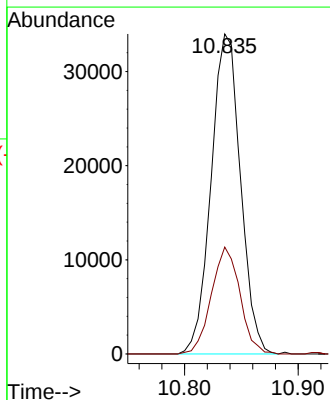
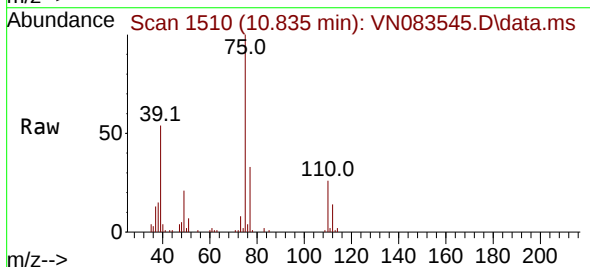
Manual Integrations  
APPROVED

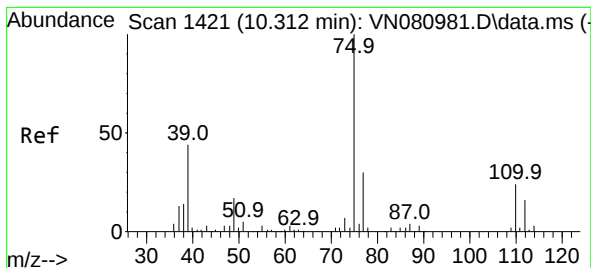
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#48  
t-1,3-Dichloropropene  
Concen: 18.868 ug/l  
RT: 10.835 min Scan# 1510  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

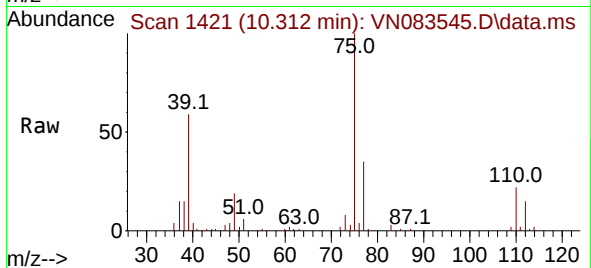
Tgt Ion: 75 Resp: 61118  
Ion Ratio Lower Upper  
75 100  
77 33.4 23.8 35.6





#49  
 cis-1,3-Dichloropropene  
 Concen: 19.425 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. -0.000 min  
 Lab File: VN083545.D  
 Acq: 28 Aug 2024 18:57

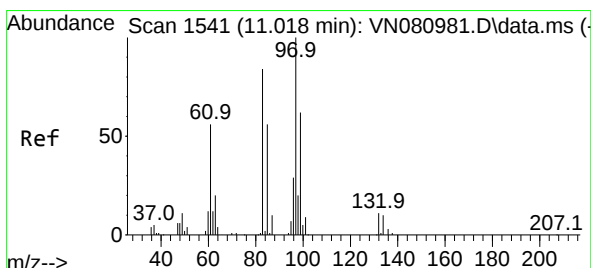
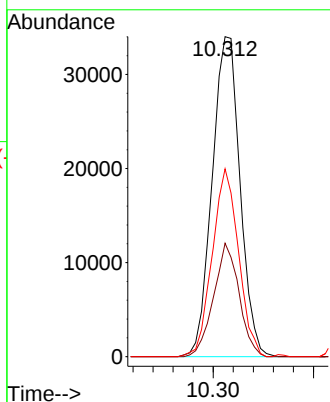
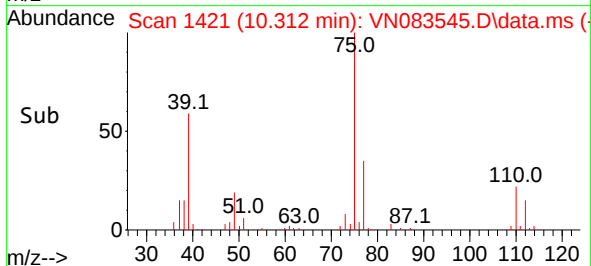
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC



Tgt Ion: 75 Resp: 65590  
 Ion Ratio Lower Upper  
 75 100  
 77 35.5 24.9 37.3  
 39 58.7 31.0 46.6

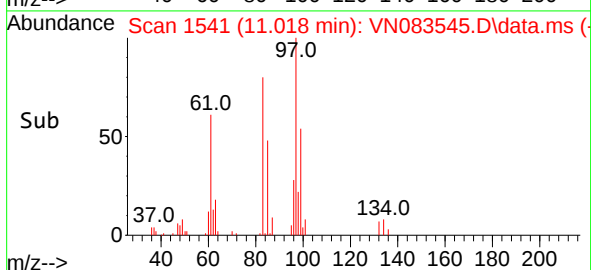
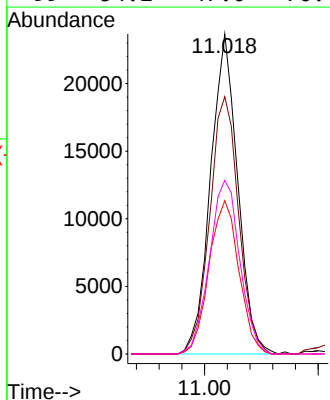
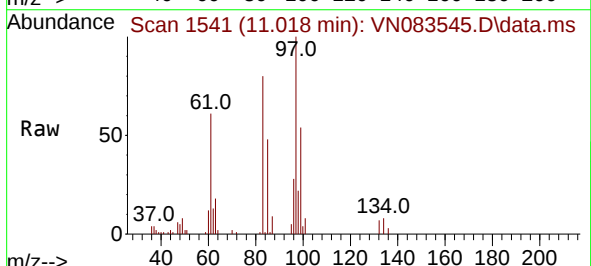
Manual Integrations  
 APPROVED

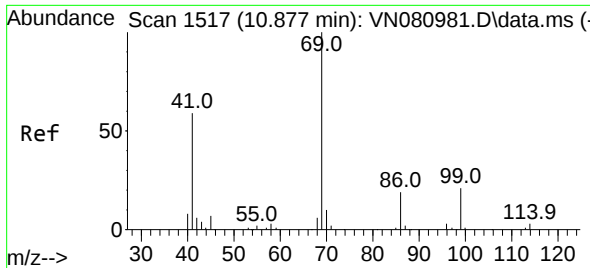
Reviewed By :John Carlone 08/29/2024  
 Supervised By :Mahesh Dadoda 08/29/2024



#50  
 1,1,2-Trichloroethane  
 Concen: 20.762 ug/l  
 RT: 11.018 min Scan# 1541  
 Delta R.T. -0.000 min  
 Lab File: VN083545.D  
 Acq: 28 Aug 2024 18:57

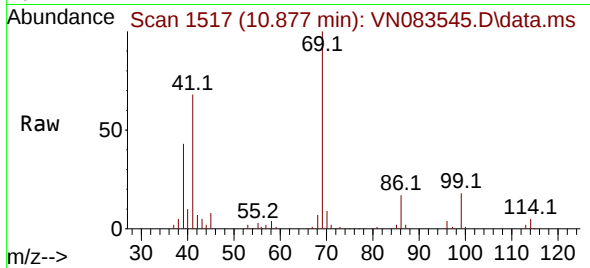
Tgt Ion: 97 Resp: 39326  
 Ion Ratio Lower Upper  
 97 100  
 83 80.4 68.1 102.1  
 85 47.9 41.8 62.6  
 99 54.2 47.0 70.4





#51  
Ethyl methacrylate  
Concen: 20.261 ug/l  
RT: 10.877 min Scan# 1517  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

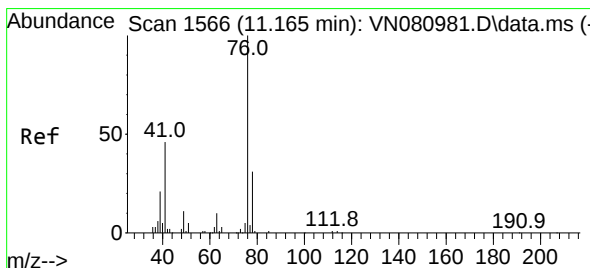
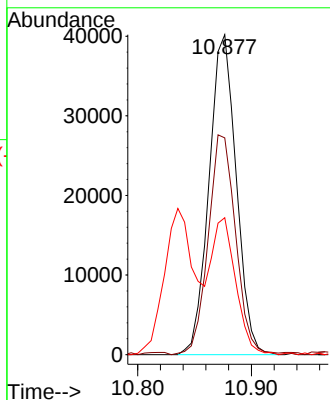
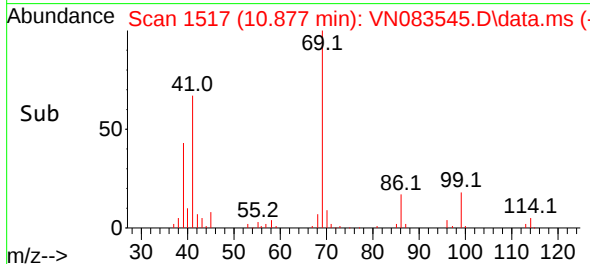
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 69 Resp: 66929  
Ion Ratio Lower Upper  
69 100  
41 67.3 25.5 76.5  
39 42.8 16.0 47.9

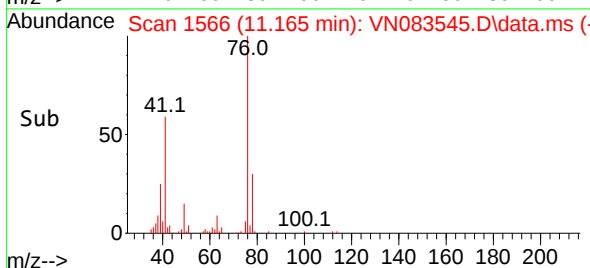
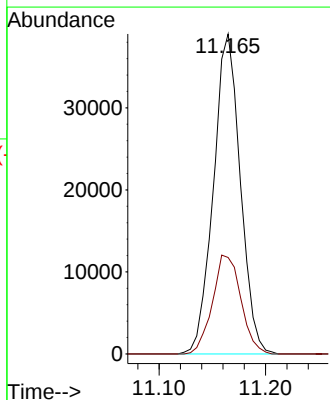
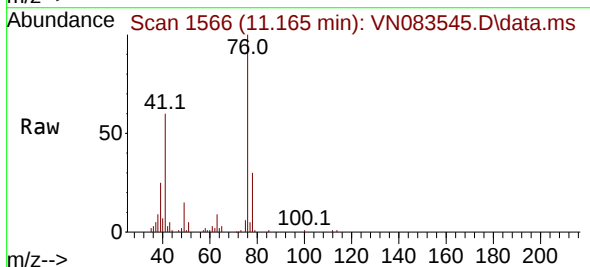
Manual Integrations  
APPROVED

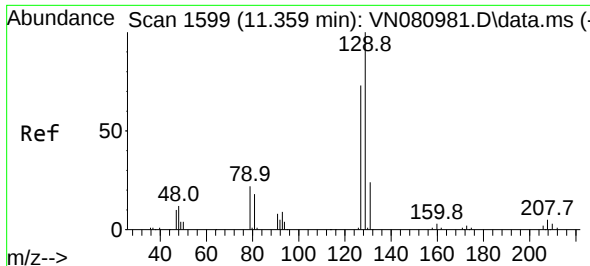
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#52  
1,3-Dichloropropane  
Concen: 20.645 ug/l  
RT: 11.165 min Scan# 1566  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

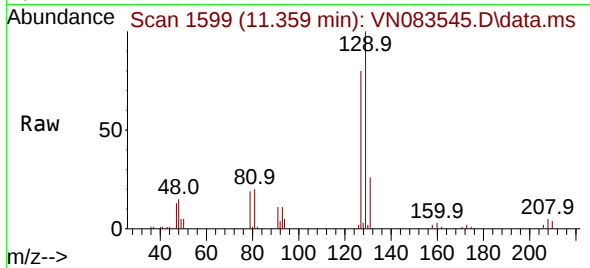
Tgt Ion: 76 Resp: 68282  
Ion Ratio Lower Upper  
76 100  
78 32.7 0.0 65.8





#53  
Dibromochloromethane  
Concen: 19.749 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

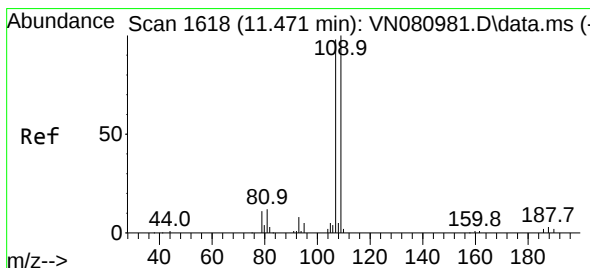
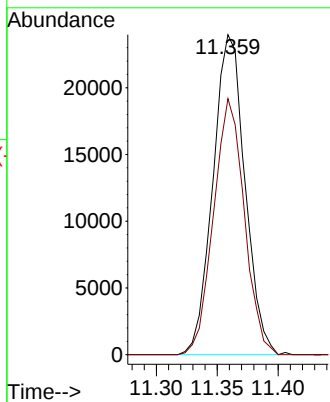
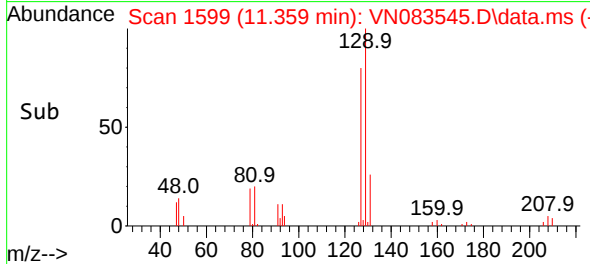
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



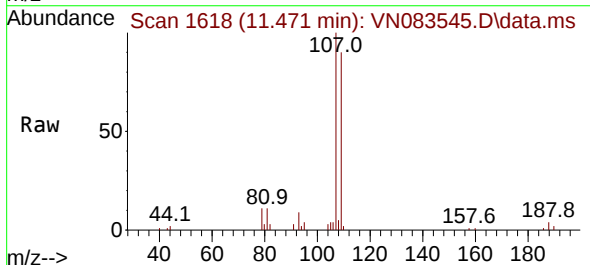
Tgt Ion:129 Resp: 43829  
Ion Ratio Lower Upper  
129 100  
127 76.8 39.4 118.1

Manual Integrations  
APPROVED

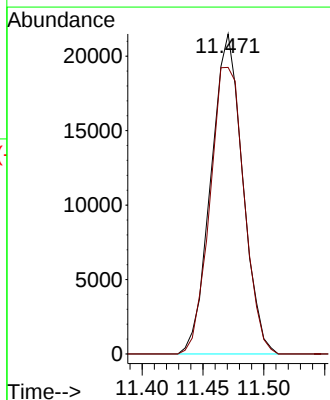
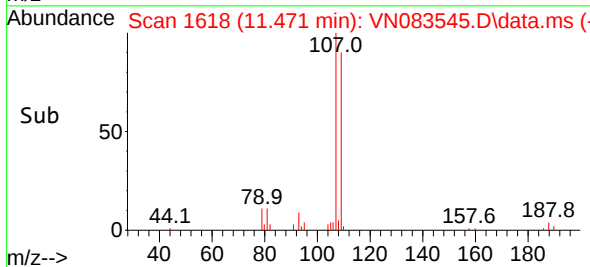
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024

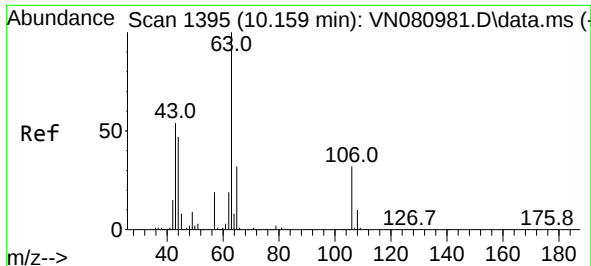


#54  
1,2-Dibromoethane  
Concen: 20.117 ug/l  
RT: 11.471 min Scan# 1618  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57



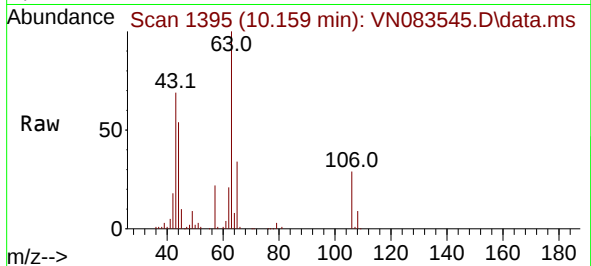
Tgt Ion:107 Resp: 39040  
Ion Ratio Lower Upper  
107 100  
109 95.9 74.7 112.1





#55  
2-Chloroethyl vinyl ether  
Concen: 106.942 ug/l  
RT: 10.159 min Scan# 1395  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

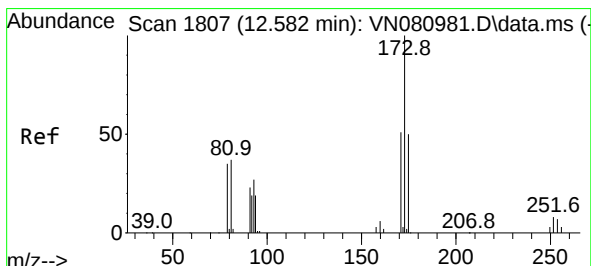
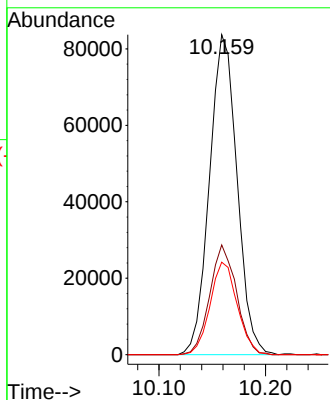
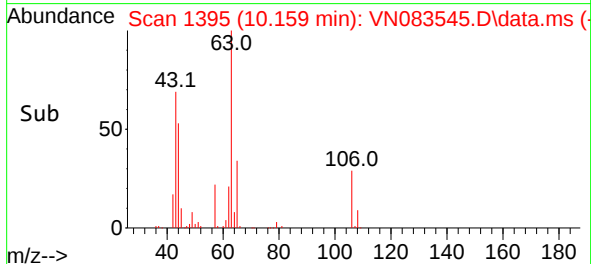
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 63 Resp: 150395  
Ion Ratio Lower Upper  
63 100  
65 33.3 26.2 39.2  
106 28.5 23.8 35.8

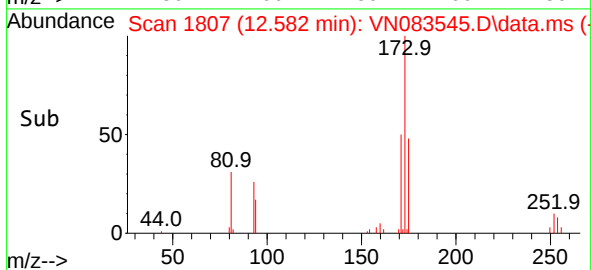
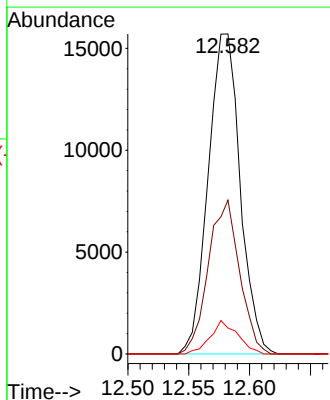
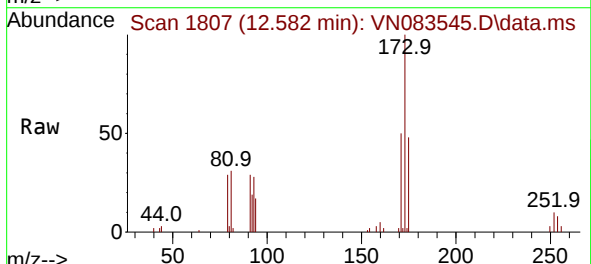
Manual Integrations  
APPROVED

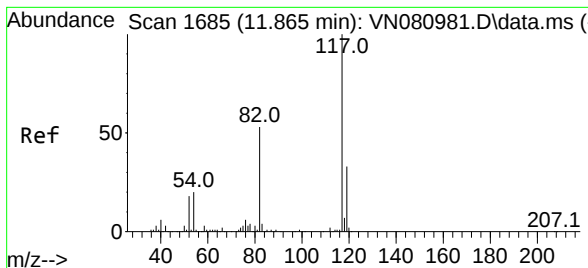
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#56  
Bromoform  
Concen: 19.838 ug/l  
RT: 12.582 min Scan# 1807  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

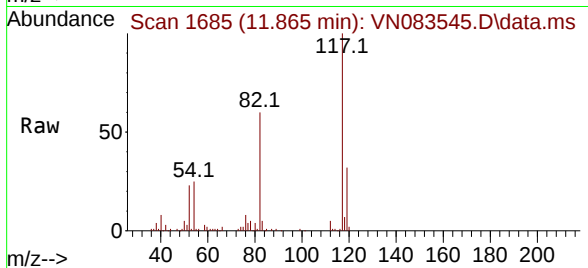
Tgt Ion:173 Resp: 28741  
Ion Ratio Lower Upper  
173 100  
175 46.9 40.0 60.0  
254 9.0 8.3 12.5





#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

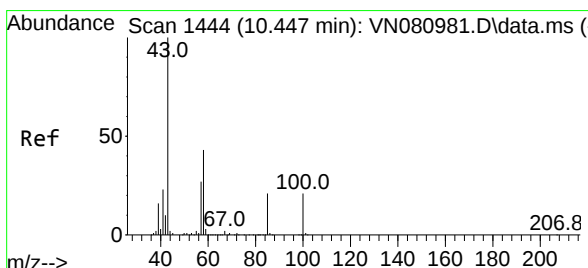
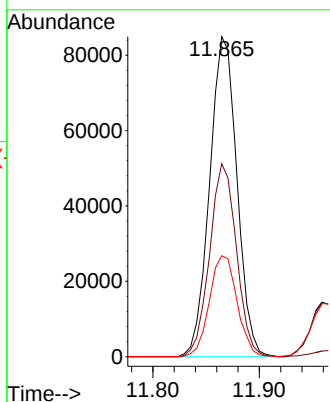
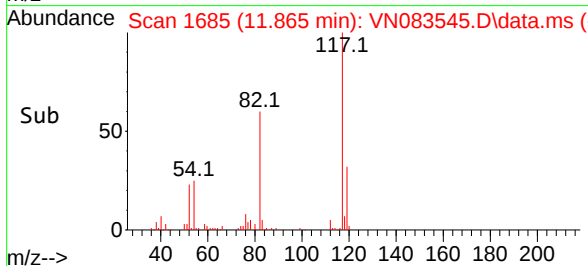
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:117 Resp: 151374  
Ion Ratio Lower Upper  
117 100  
82 59.1 46.6 69.8  
119 31.9 25.4 38.2

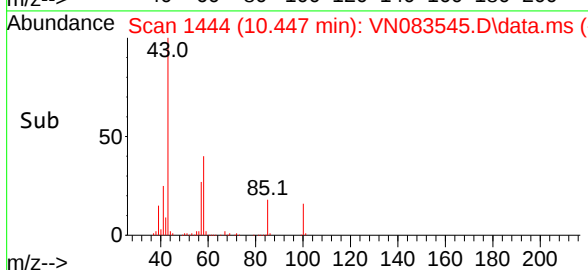
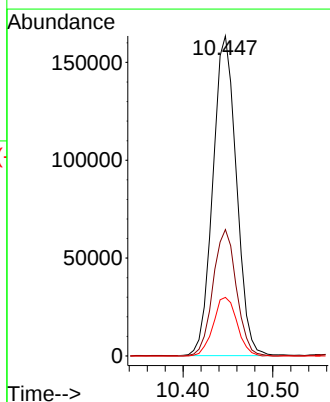
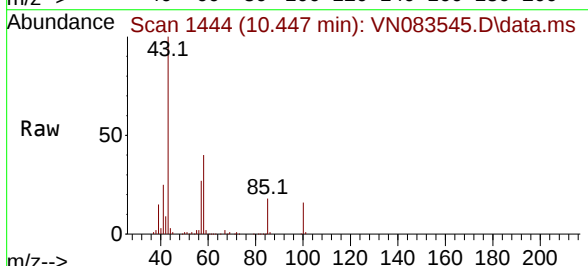
Manual Integrations  
APPROVED

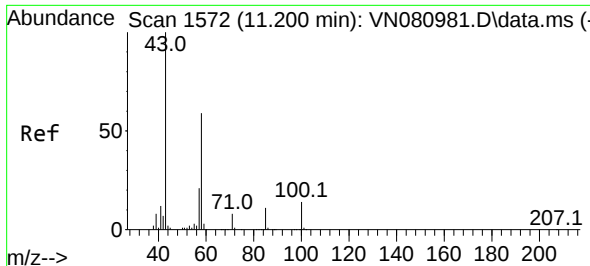
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#58  
4-Methyl-2-Pentanone  
Concen: 110.835 ug/l  
RT: 10.447 min Scan# 1444  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

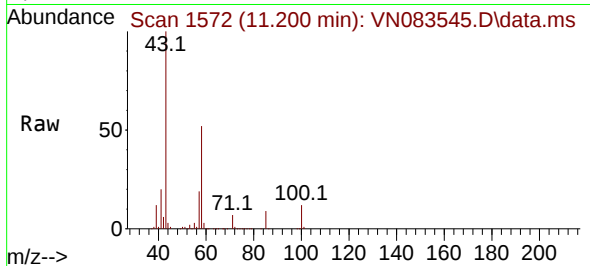
Tgt Ion: 43 Resp: 297559  
Ion Ratio Lower Upper  
43 100  
58 39.3 36.5 54.7  
85 18.5 19.5 29.3#





#59  
2-Hexanone  
Concen: 110.179 ug/l  
RT: 11.200 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

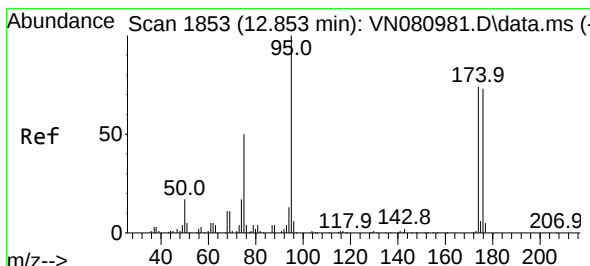
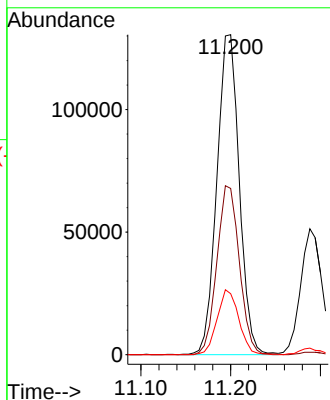
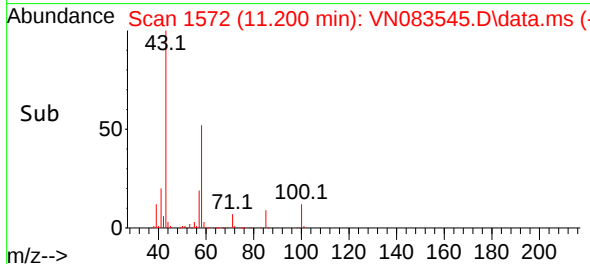
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 43 Resp: 226840  
Ion Ratio Lower Upper  
43 100  
58 52.8 50.4 75.6  
57 19.6 18.6 27.8

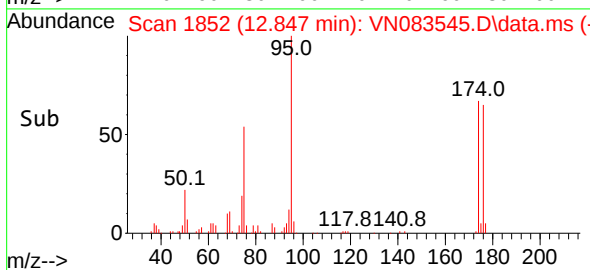
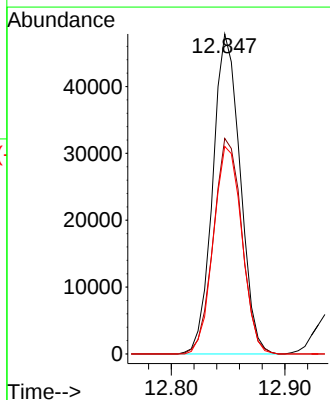
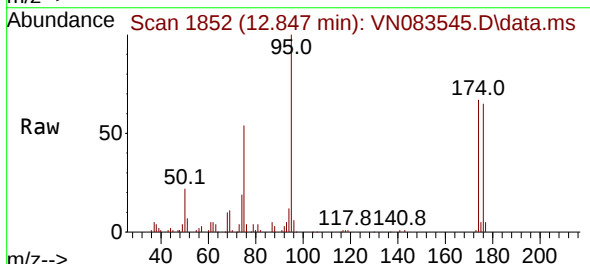
Manual Integrations  
APPROVED

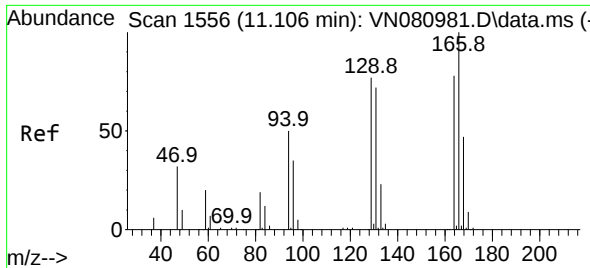
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#60  
4-Bromofluorobenzene  
Concen: 29.968 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.006 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

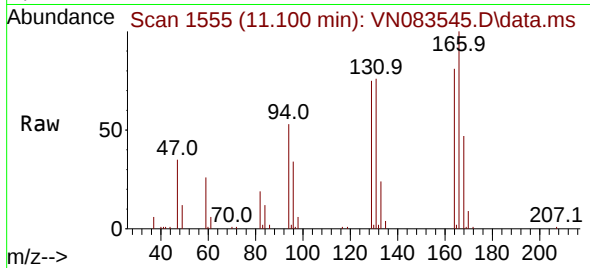
Tgt Ion: 95 Resp: 80312  
Ion Ratio Lower Upper  
95 100  
174 69.7 60.5 90.7  
176 67.5 57.8 86.6





#61  
Tetrachloroethene  
Concen: 22.300 ug/l  
RT: 11.100 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

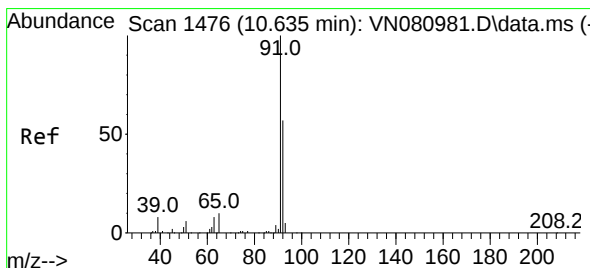
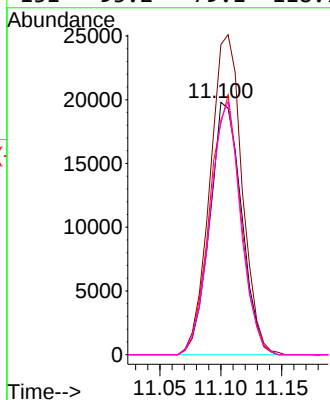
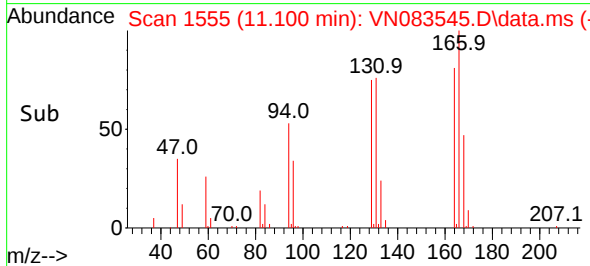
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:164 Resp: 35850  
Ion Ratio Lower Upper  
164 100  
166 123.0 106.7 160.1  
129 91.8 85.8 128.6  
131 93.2 79.1 118.7

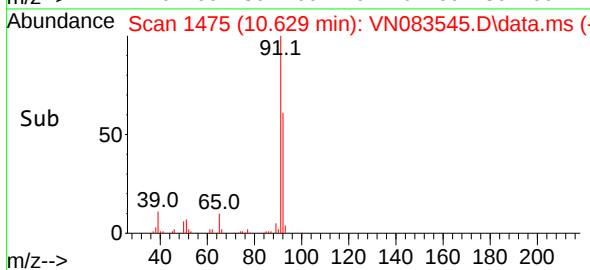
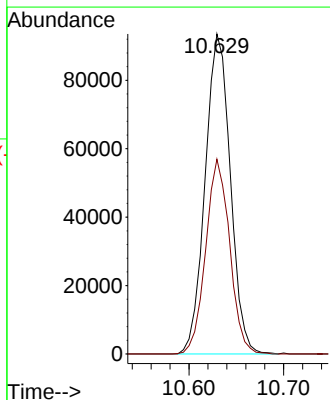
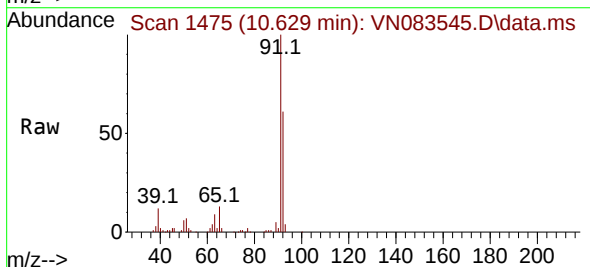
Manual Integrations  
APPROVED

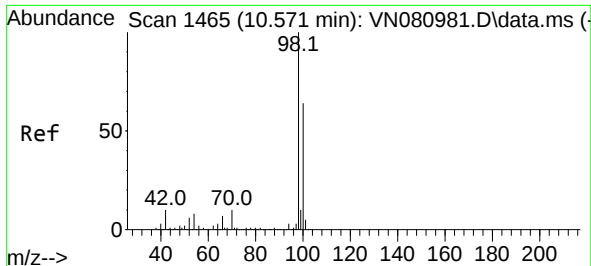
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#62  
Toluene  
Concen: 19.785 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. -0.006 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

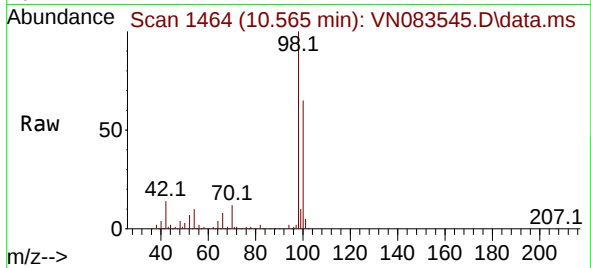
Tgt Ion: 91 Resp: 173241  
Ion Ratio Lower Upper  
91 100  
92 58.0 46.5 69.7





#63  
Toluene-d8  
Concen: 29.926 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.006 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

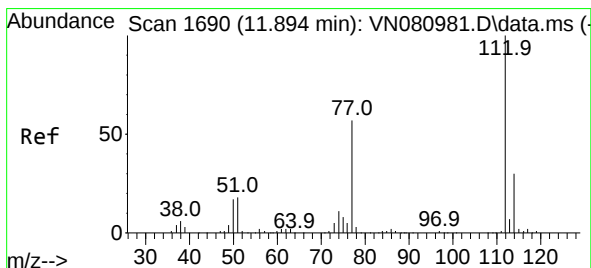
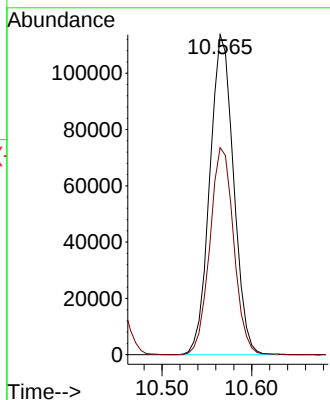
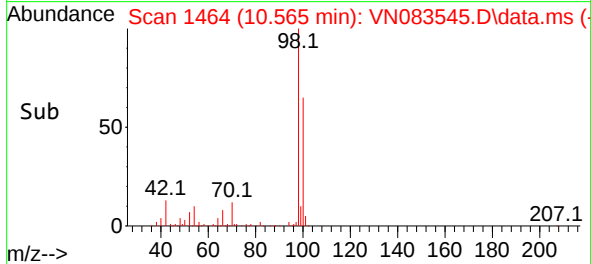
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 98 Resp: 20913  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.7 79.1

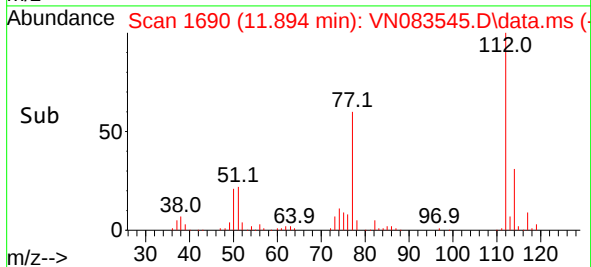
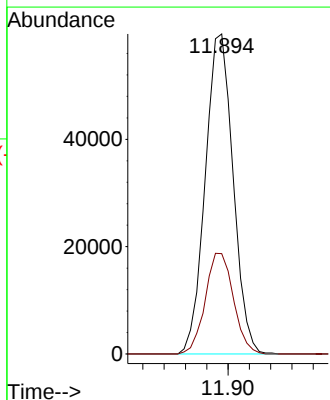
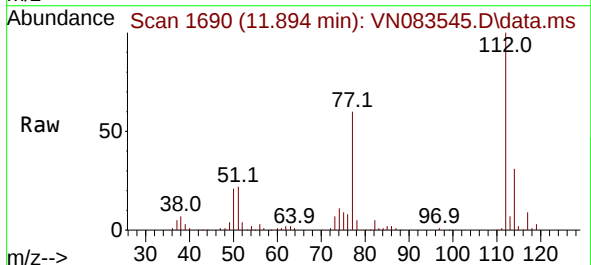
Manual Integrations  
APPROVED

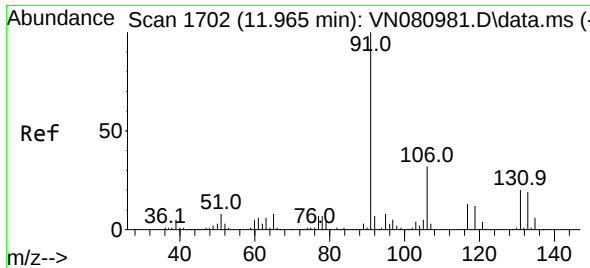
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#64  
Chlorobenzene  
Concen: 19.959 ug/l  
RT: 11.894 min Scan# 1690  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

Tgt Ion:112 Resp: 108269  
Ion Ratio Lower Upper  
112 100  
114 31.3 26.6 39.8





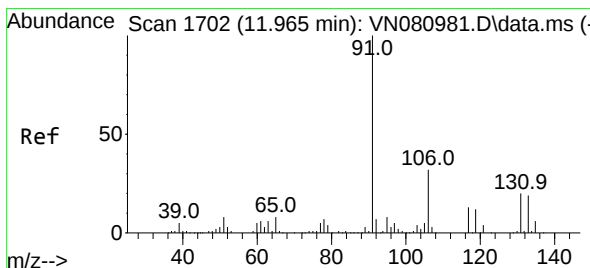
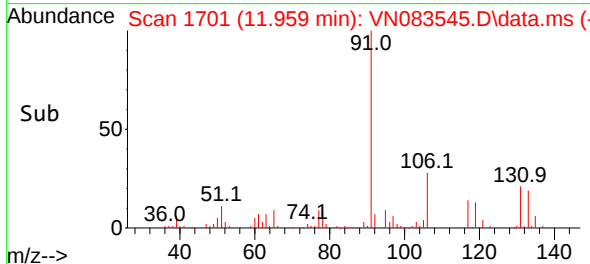
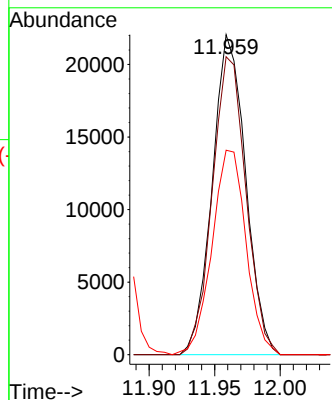
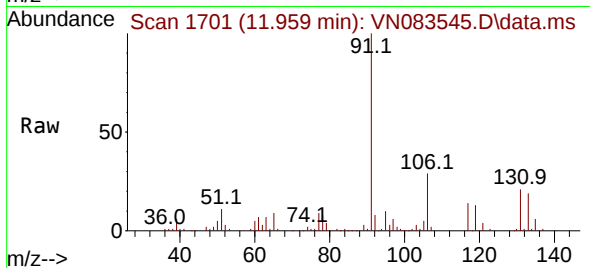
#65  
1,1,1,2-Tetrachloroethane  
Concen: 20.139 ug/l  
RT: 11.959 min Scan# 11959  
Delta R.T. -0.006 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:131 Resp: 3888  
Ion Ratio Lower Upper  
131 100  
133 94.2 0.0 188.0  
119 65.5 0.0 122.8

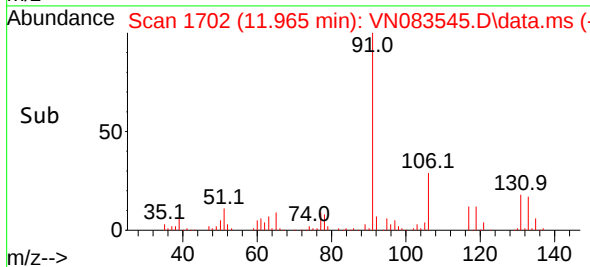
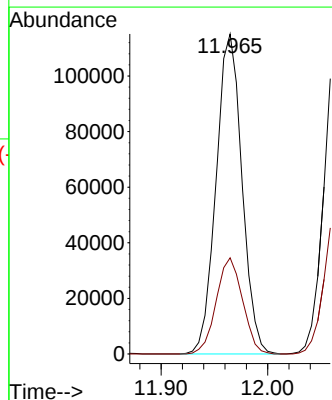
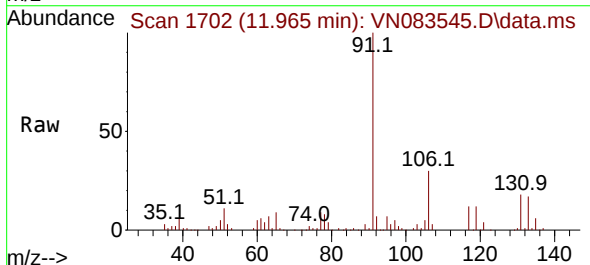
Manual Integrations  
APPROVED

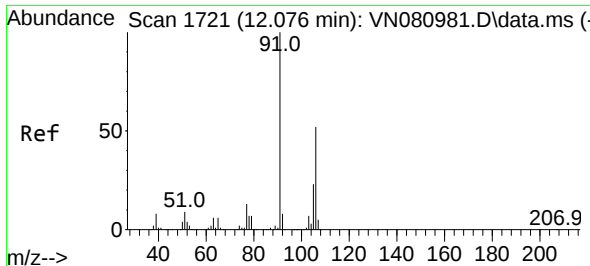
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#66  
Ethyl Benzene  
Concen: 19.622 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

Tgt Ion: 91 Resp: 193826  
Ion Ratio Lower Upper  
91 100  
106 30.1 24.4 36.6





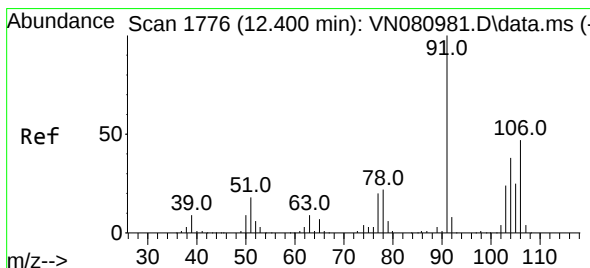
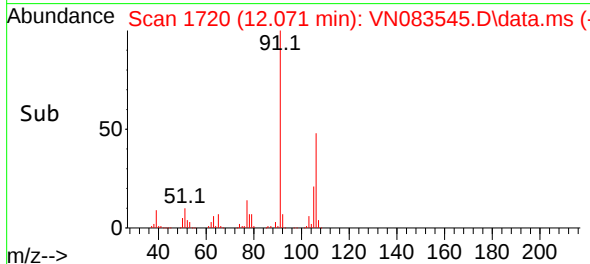
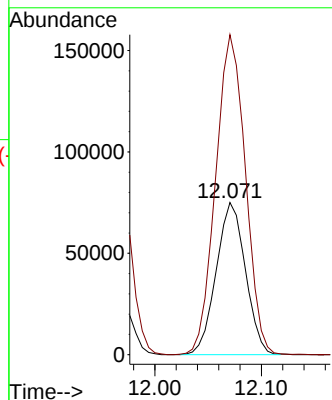
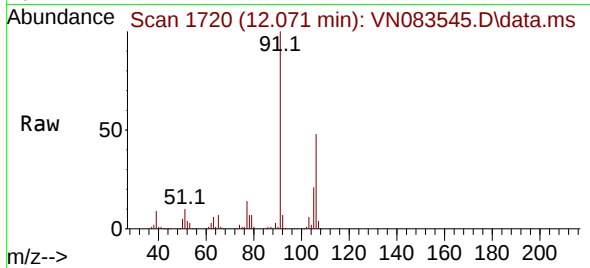
#67  
m/p-Xylenes  
Concen: 39.060 ug/l  
RT: 12.071 min Scan# 1720  
Delta R.T. -0.006 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:106 Resp: 14300  
Ion Ratio Lower Upper  
106 100  
91 214.6 166.6 249.8

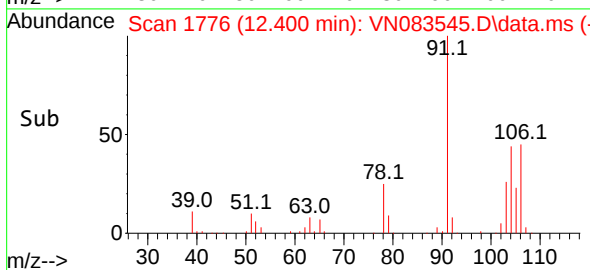
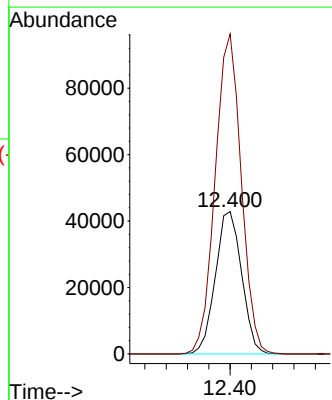
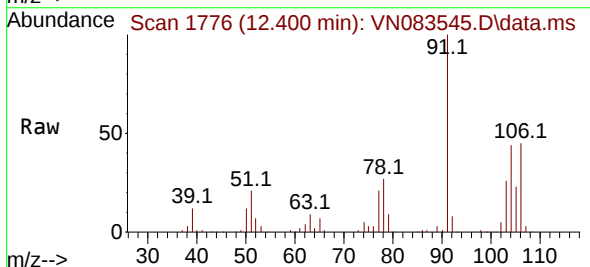
Manual Integrations  
APPROVED

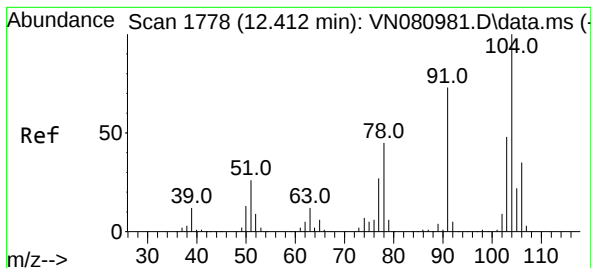
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#68  
o-Xylene  
Concen: 20.392 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

Tgt Ion:106 Resp: 73315  
Ion Ratio Lower Upper  
106 100  
91 223.2 110.0 330.0





#69

Styrene

Concen: 19.534 ug/l

RT: 12.412 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083545.D

Acq: 28 Aug 2024 18:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:104 Resp: 119574

Ion Ratio Lower Upper

104 100

78 55.3 42.6 64.0

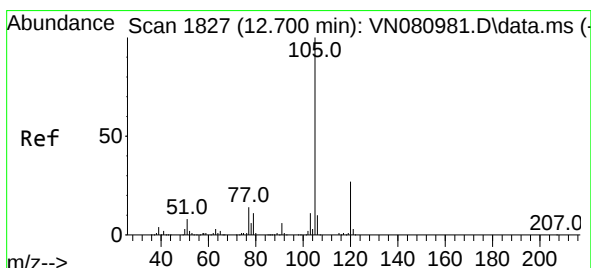
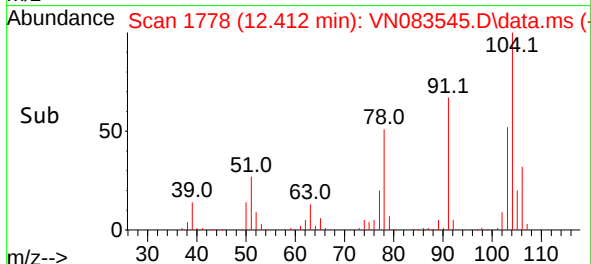
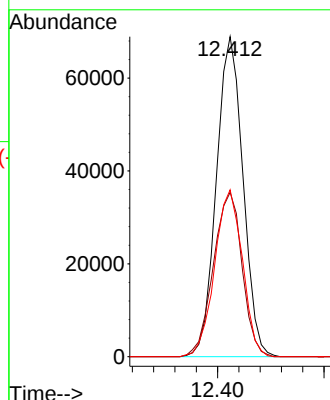
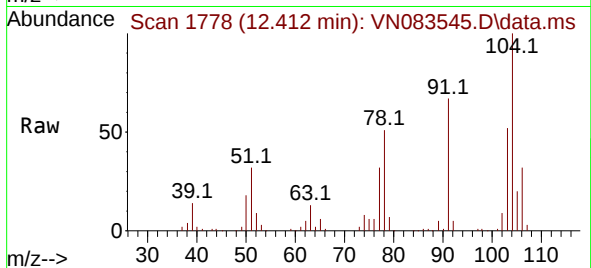
103 54.3 43.7 65.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/29/2024

Supervised By :Mahesh Dadoda 08/29/2024



#70

Isopropylbenzene

Concen: 19.936 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.006 min

Lab File: VN083545.D

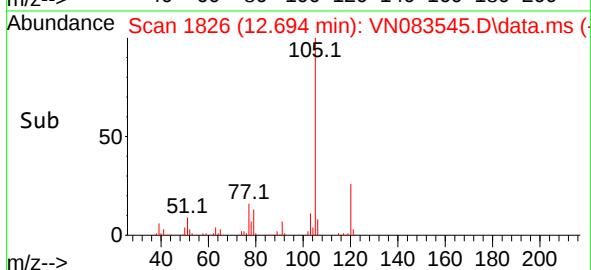
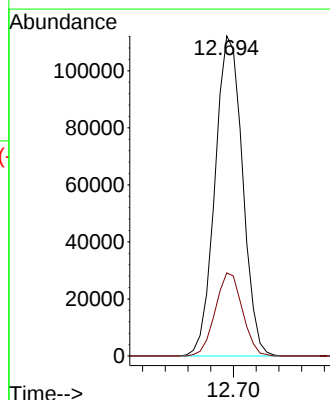
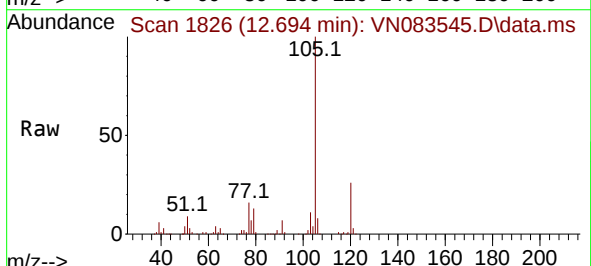
Acq: 28 Aug 2024 18:57

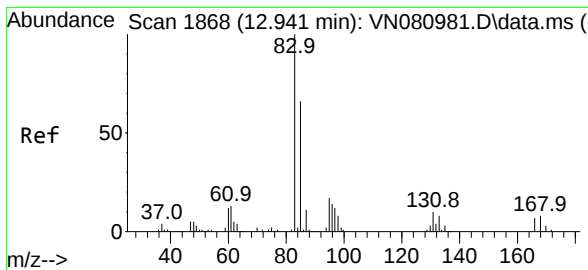
Tgt Ion:105 Resp: 189327

Ion Ratio Lower Upper

105 100

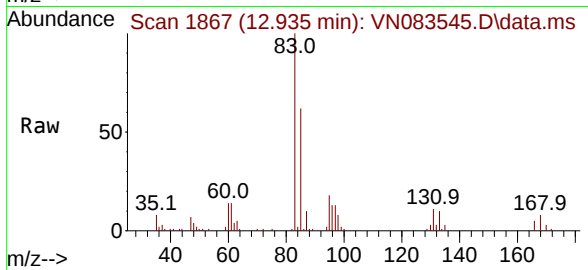
120 25.4 17.8 33.1





#71  
1,1,2,2-Tetrachloroethane  
Concen: 21.345 ug/l  
RT: 12.935 min Scan# 1867  
Delta R.T. -0.006 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

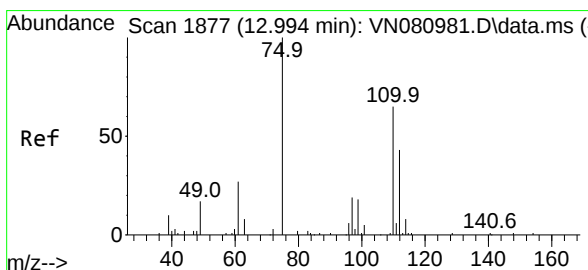
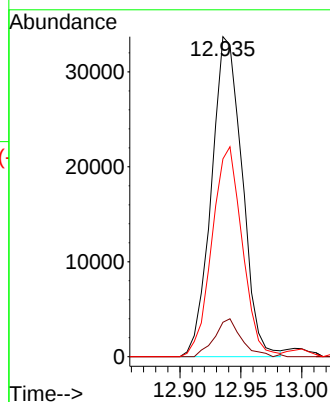
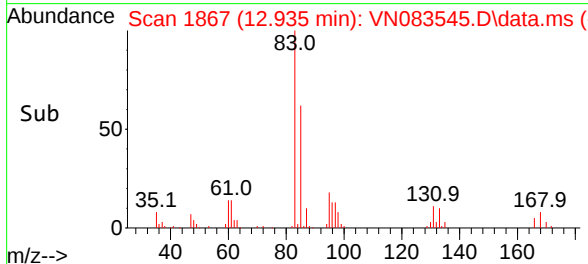
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 83 Resp: 5921  
Ion Ratio Lower Upper  
83 100  
131 10.2 5.2 15.6  
85 64.6 32.3 96.8

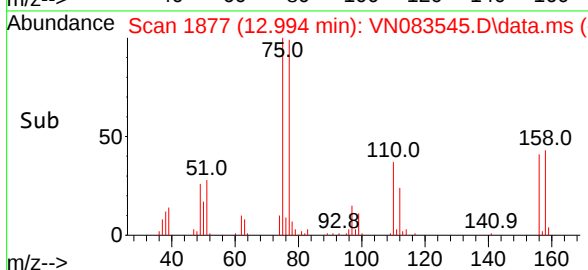
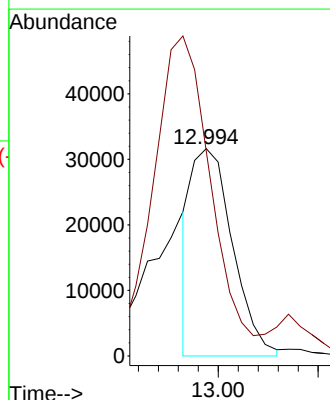
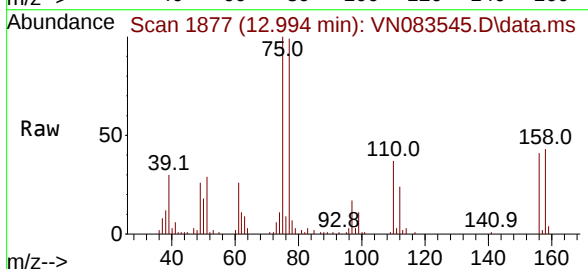
Manual Integrations  
APPROVED

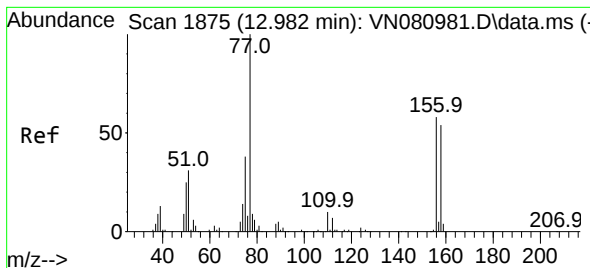
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#72  
1,2,3-Trichloropropane  
Concen: 18.879 ug/l m  
RT: 12.994 min Scan# 1877  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

Tgt Ion: 75 Resp: 45221  
Ion Ratio Lower Upper  
75 100  
77 216.6 0.0 367.6





#73

Bromobenzene

Concen: 20.202 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VN083545.D

Acq: 28 Aug 2024 18:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

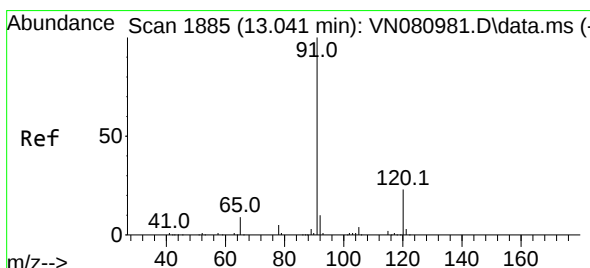
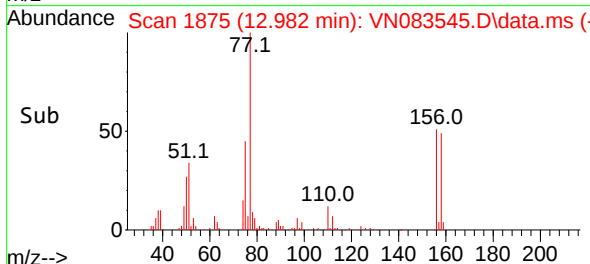
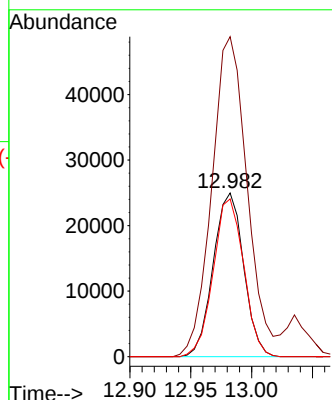
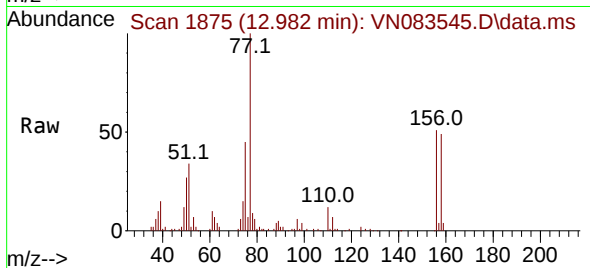
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 4342  |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 225.6 | 0.0   | 437.6 |
| 158       | 96.6  | 0.0   | 203.8 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/29/2024

Supervised By :Mahesh Dadoda 08/29/2024



#74

n-propylbenzene

Concen: 19.332 ug/l

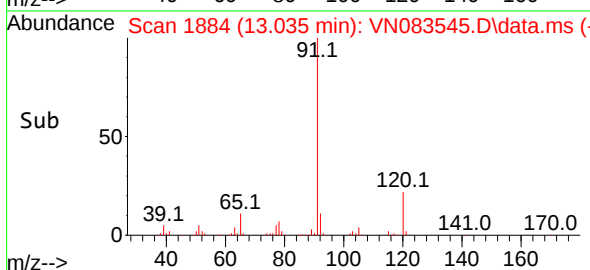
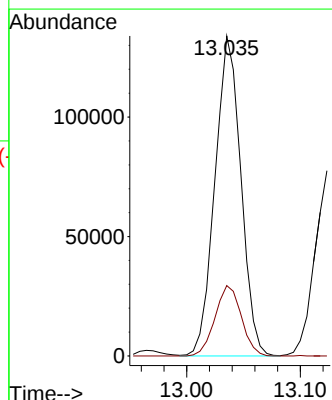
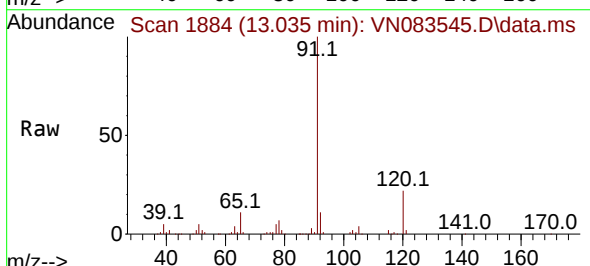
RT: 13.035 min Scan# 1884

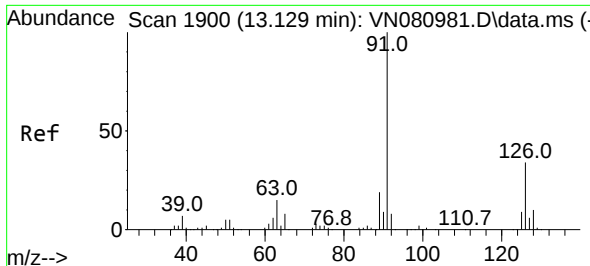
Delta R.T. -0.006 min

Lab File: VN083545.D

Acq: 28 Aug 2024 18:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 212712 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.2  | 0.0   | 43.8   |





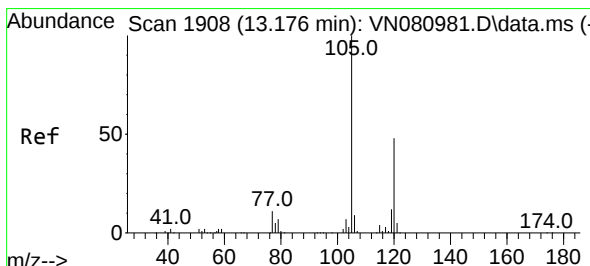
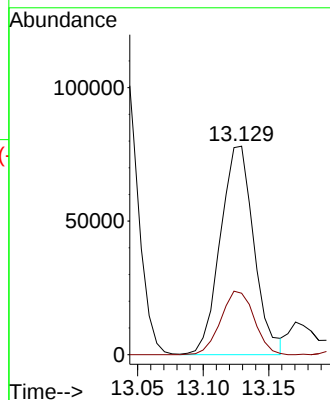
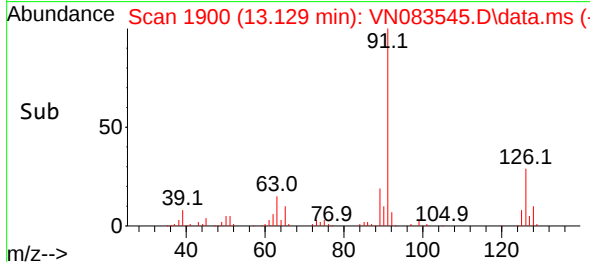
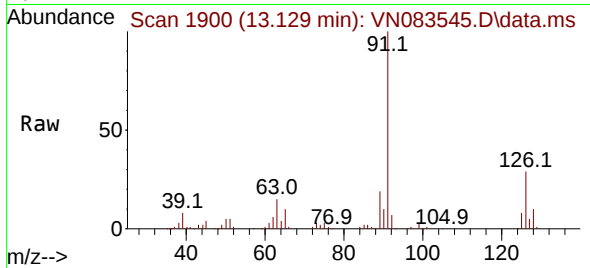
#75  
2-Chlorotoluene  
Concen: 19.793 ug/l  
RT: 13.129 min Scan# 1900  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 91 Resp: 139384  
Ion Ratio Lower Upper  
91 100  
126 30.2 0.0 61.2

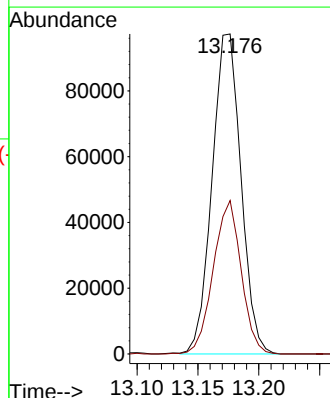
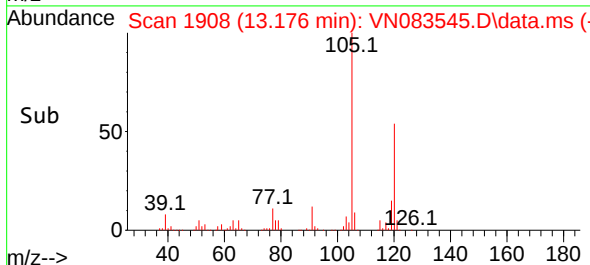
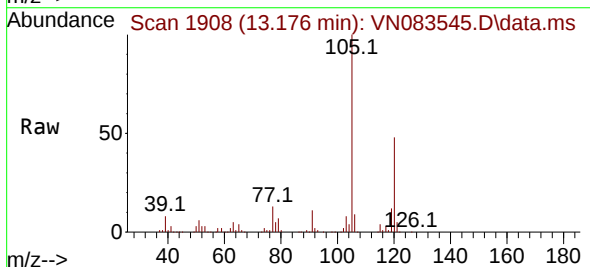
Manual Integrations  
APPROVED

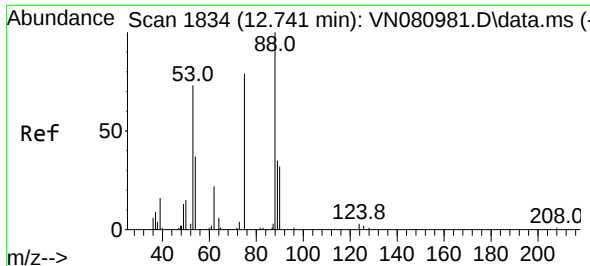
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#76  
1,3,5-Trimethylbenzene  
Concen: 20.256 ug/l  
RT: 13.176 min Scan# 1908  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

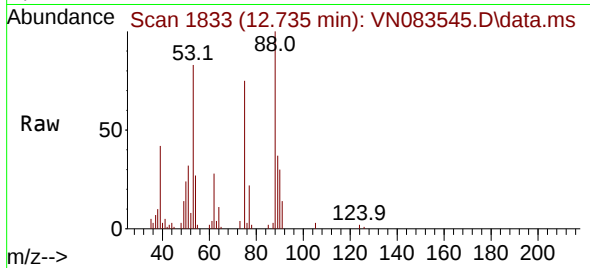
Tgt Ion:105 Resp: 160584  
Ion Ratio Lower Upper  
105 100  
120 46.3 0.0 95.8





#77  
t-1,4-Dichloro-2-butene  
Concen: 18.971 ug/l  
RT: 12.735 min Scan# 1833  
Delta R.T. -0.006 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

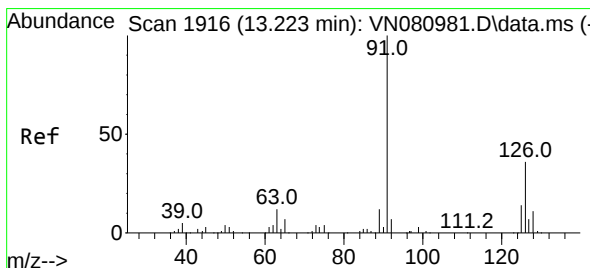
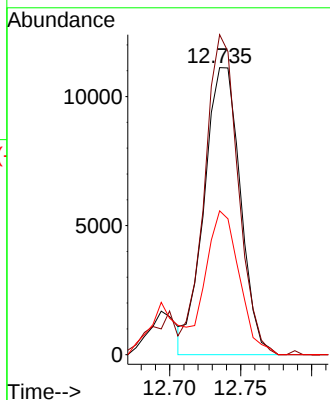
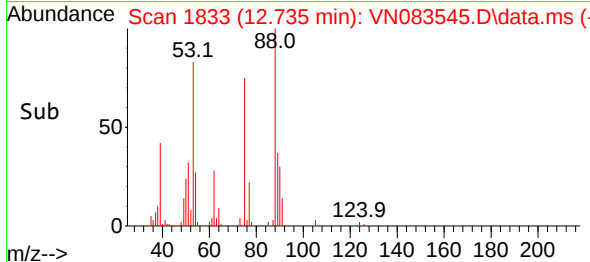
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 75 Resp: 19719  
Ion Ratio Lower Upper  
75 100  
53 111.5 45.9 137.7  
89 50.1 25.9 77.7

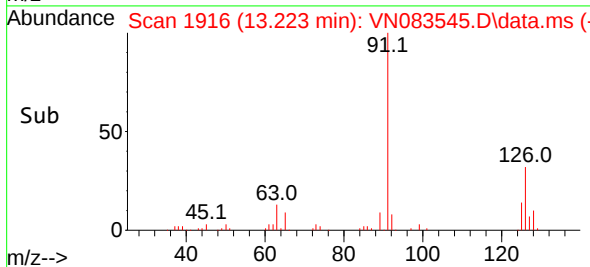
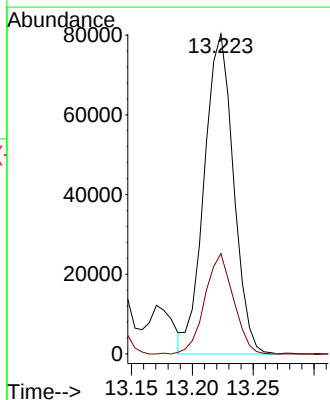
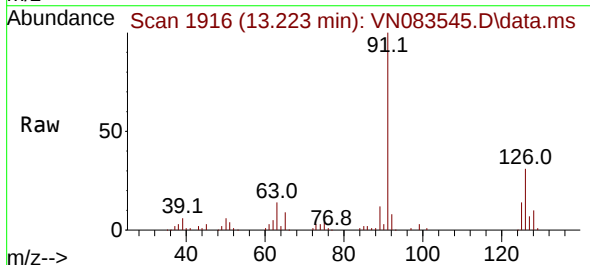
Manual Integrations  
APPROVED

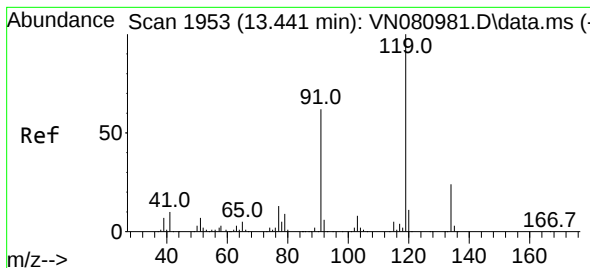
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#78  
4-Chlorotoluene  
Concen: 19.246 ug/l  
RT: 13.223 min Scan# 1916  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

Tgt Ion: 91 Resp: 134543  
Ion Ratio Lower Upper  
91 100  
126 30.5 0.0 62.8





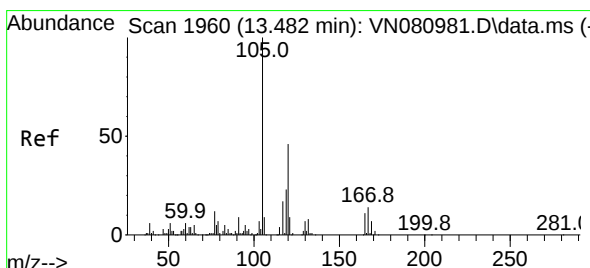
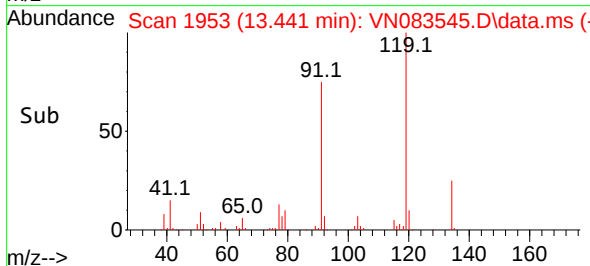
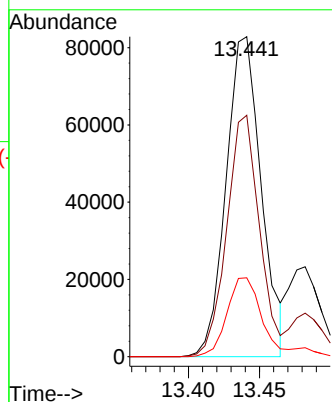
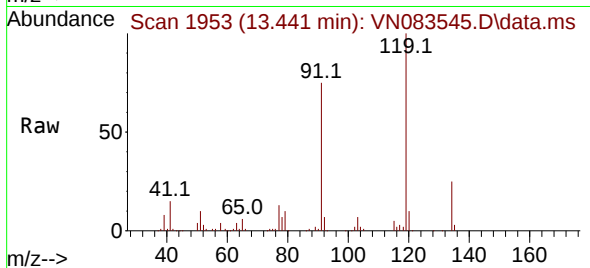
#79  
tert-butylbenzene  
Concen: 20.103 ug/l  
RT: 13.441 min Scan# 1953  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:119 Resp: 142735  
Ion Ratio Lower Upper  
119 100  
91 70.3 0.0 138.8  
134 24.1 0.0 48.6

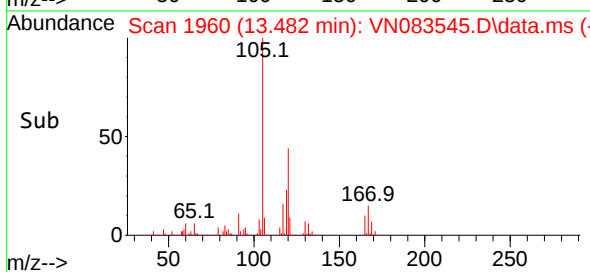
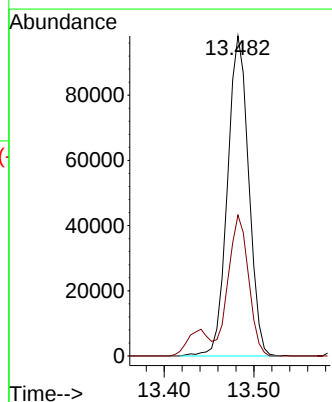
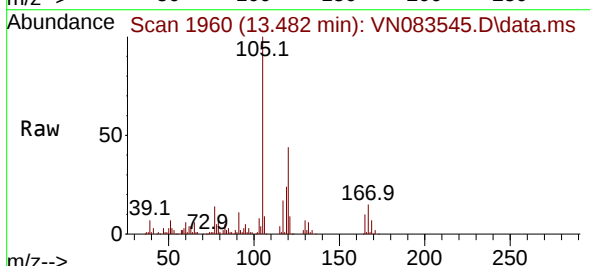
Manual Integrations  
APPROVED

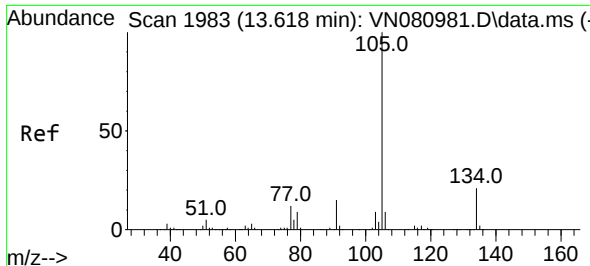
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#80  
1,2,4-Trimethylbenzene  
Concen: 19.932 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

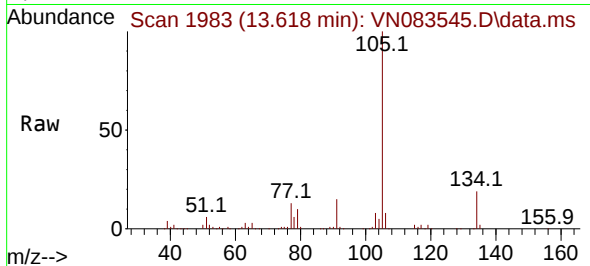
Tgt Ion:105 Resp: 161088  
Ion Ratio Lower Upper  
105 100  
120 42.3 0.0 86.8





#81  
 sec-Butylbenzene  
 Concen: 19.783 ug/l  
 RT: 13.618 min Scan# 1983  
 Delta R.T. -0.000 min  
 Lab File: VN083545.D  
 Acq: 28 Aug 2024 18:57

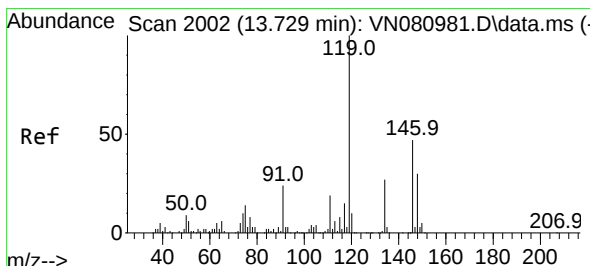
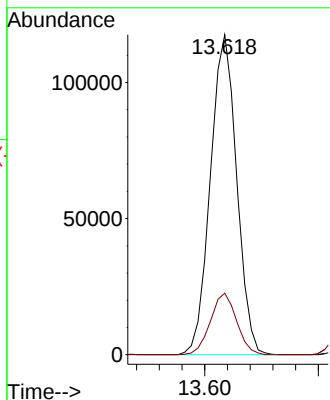
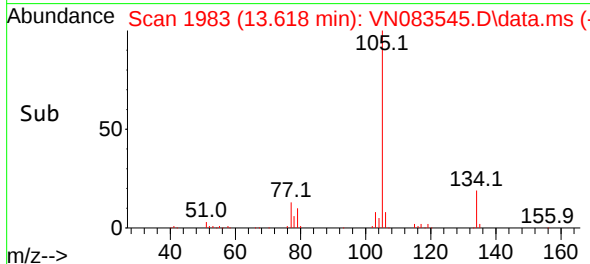
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC



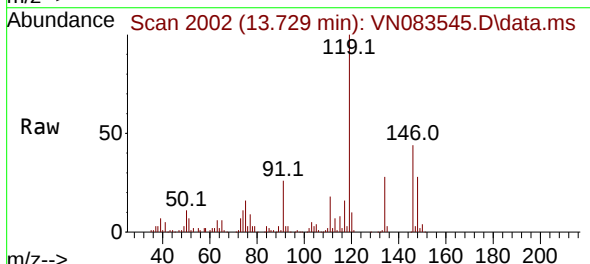
Tgt Ion:105 Resp: 18909  
 Ion Ratio Lower Upper  
 105 100  
 134 19.1 0.0 39.0

Manual Integrations  
 APPROVED

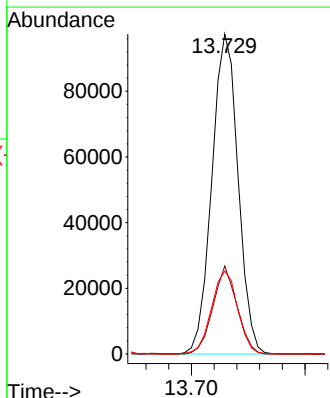
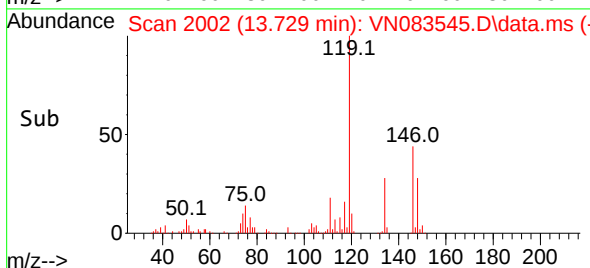
Reviewed By :John Carlone 08/29/2024  
 Supervised By :Mahesh Dadoda 08/29/2024

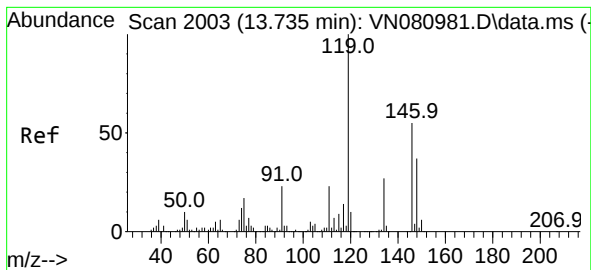


#82  
 p-Isopropyltoluene  
 Concen: 19.273 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. -0.000 min  
 Lab File: VN083545.D  
 Acq: 28 Aug 2024 18:57



Tgt Ion:119 Resp: 155958  
 Ion Ratio Lower Upper  
 119 100  
 134 25.2 0.0 49.2  
 91 25.7 0.0 48.8





#83

1,3-Dichlorobenzene

Concen: 18.364 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.000 min

Lab File: VN083545.D

Acq: 28 Aug 2024 18:57

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

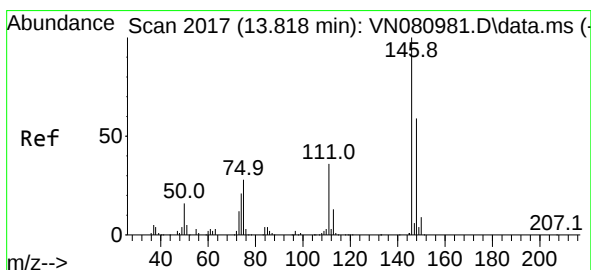
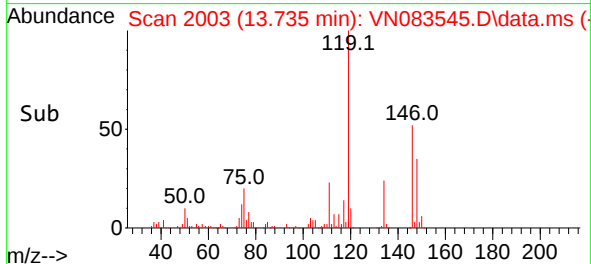
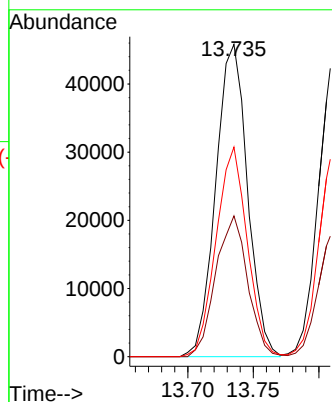
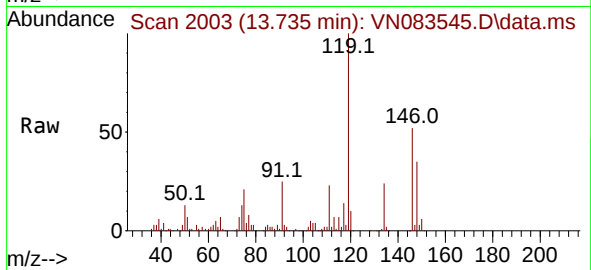
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 146   | Resp: | 7710 |
| Ion Ratio | Lower | Upper |      |
| 146       | 100   |       |      |
| 111       | 45.4  | 22.4  | 67.0 |
| 148       | 66.1  | 32.1  | 96.5 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/29/2024

Supervised By :Mahesh Dadoda 08/29/2024



#84

1,4-Dichlorobenzene

Concen: 18.707 ug/l

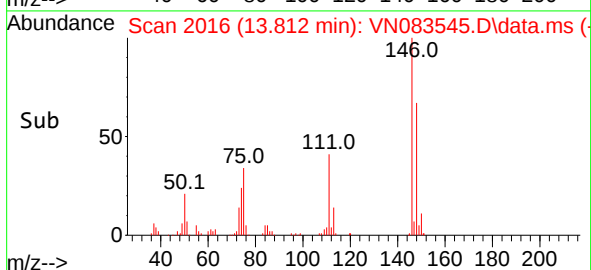
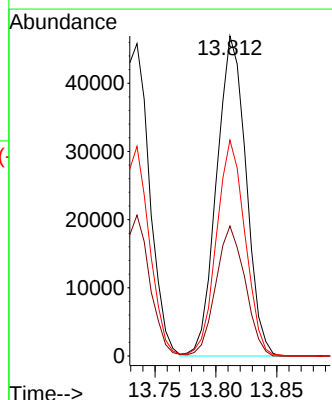
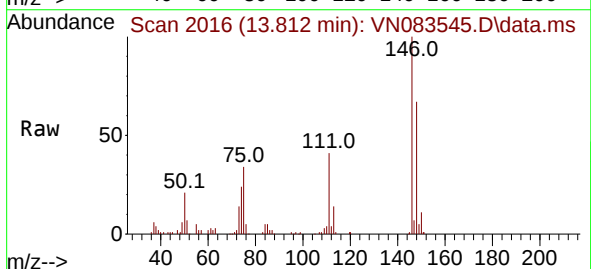
RT: 13.812 min Scan# 2016

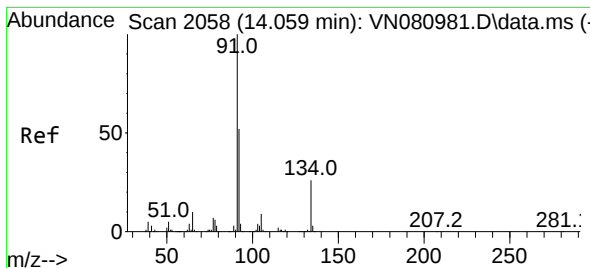
Delta R.T. -0.006 min

Lab File: VN083545.D

Acq: 28 Aug 2024 18:57

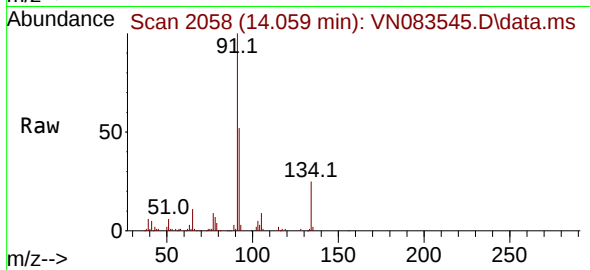
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 78887 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 40.3  | 21.3  | 63.9  |
| 148       | 65.6  | 31.9  | 95.5  |





#85  
n-Butylbenzene  
Concen: 18.110 ug/l  
RT: 14.059 min Scan# 2058  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

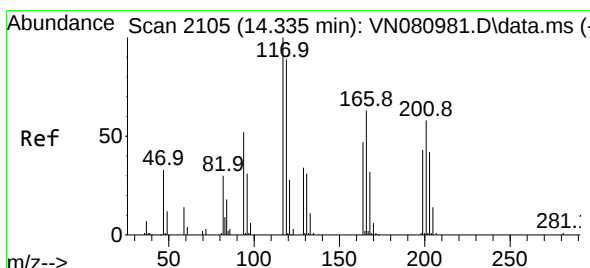
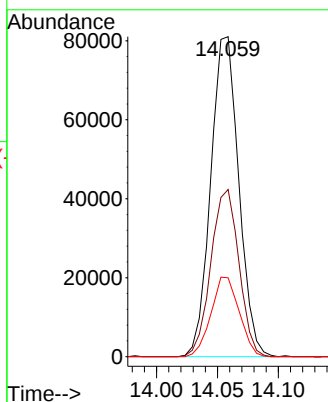
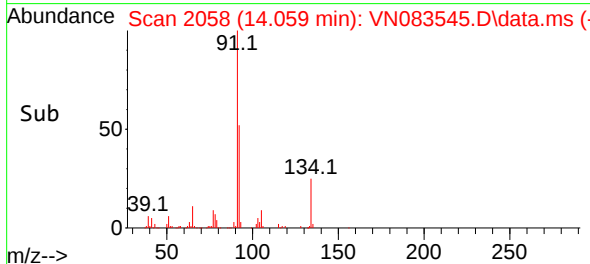
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 91 Resp: 129879  
Ion Ratio Lower Upper  
91 100  
92 52.2 0.0 105.0  
134 25.0 0.0 51.8

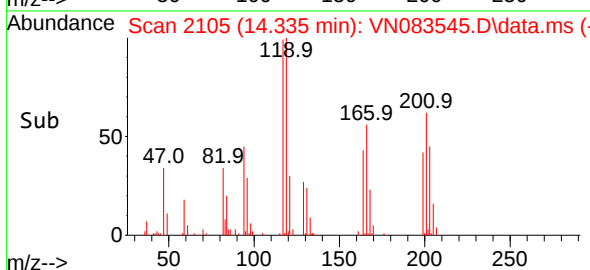
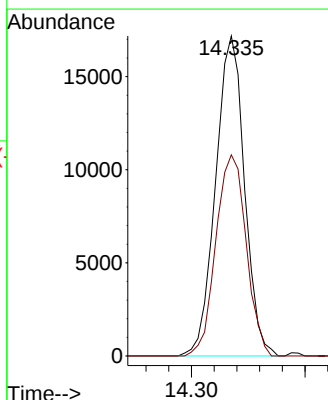
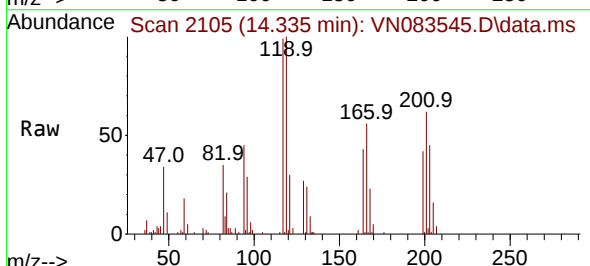
Manual Integrations  
APPROVED

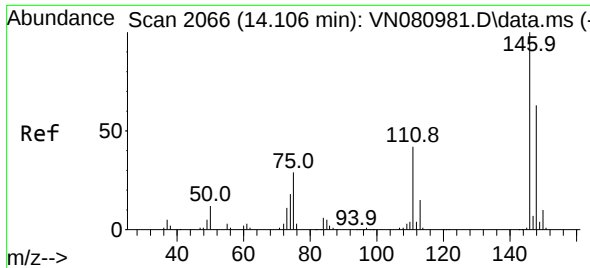
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#86  
Hexachloroethane  
Concen: 19.130 ug/l  
RT: 14.335 min Scan# 2105  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

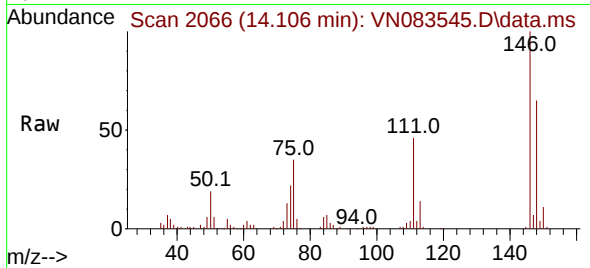
Tgt Ion:117 Resp: 30320  
Ion Ratio Lower Upper  
117 100  
201 65.8 38.0 114.0





#87  
1,2-Dichlorobenzene  
Concen: 19.980 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

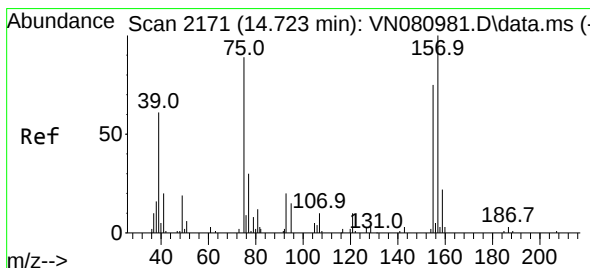
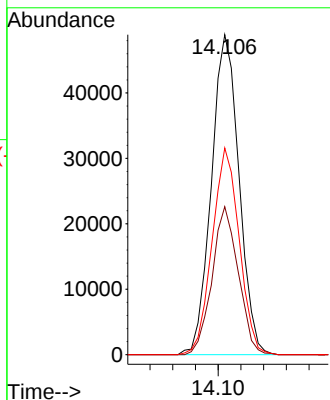
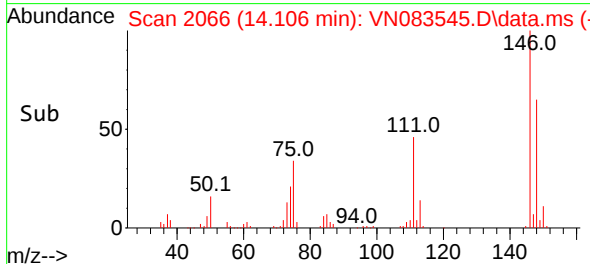
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



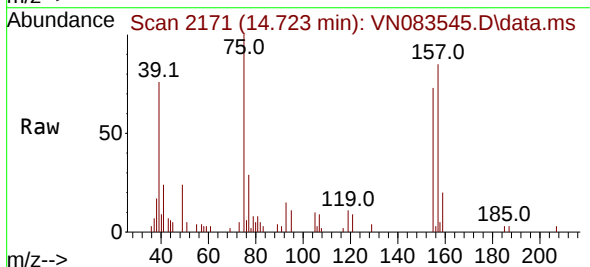
Tgt Ion:146 Resp: 8257  
Ion Ratio Lower Upper  
146 100  
111 43.9 22.6 67.8  
148 63.3 31.3 93.8

Manual Integrations  
APPROVED

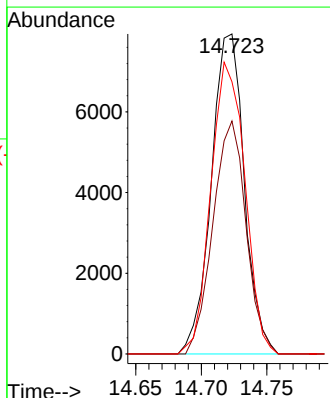
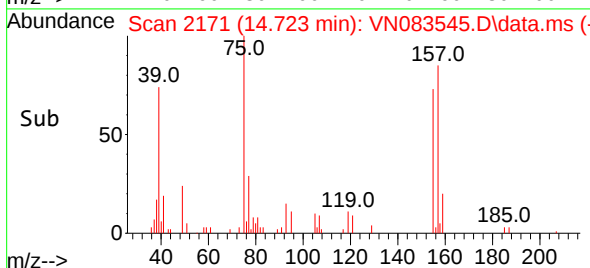
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024

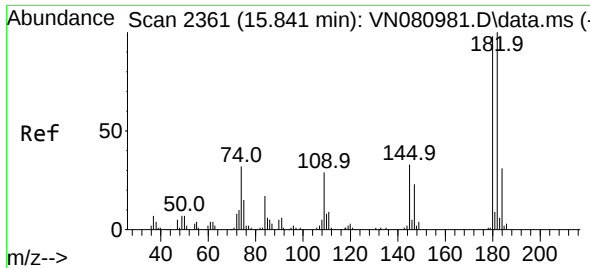


#88  
1,2-Dibromo-3-Chloropropane  
Concen: 21.868 ug/l  
RT: 14.723 min Scan# 2171  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57



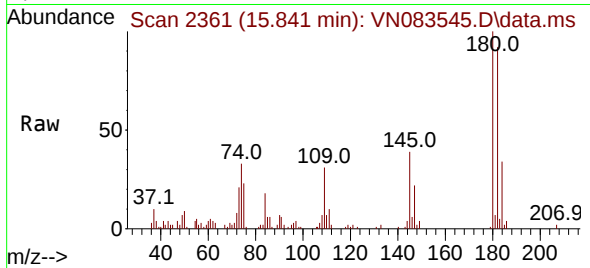
Tgt Ion: 75 Resp: 13870  
Ion Ratio Lower Upper  
75 100  
155 73.2 61.7 92.5  
157 94.2 83.6 125.4





#89  
1,2,4-Trichlorobenzene  
Concen: 18.709 ug/l  
RT: 15.841 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

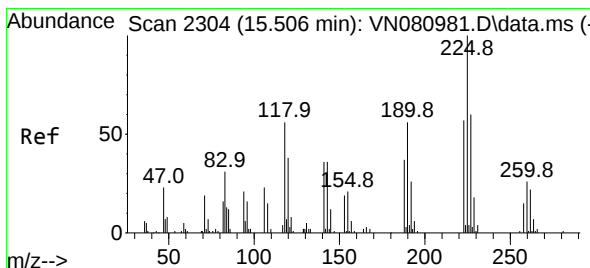
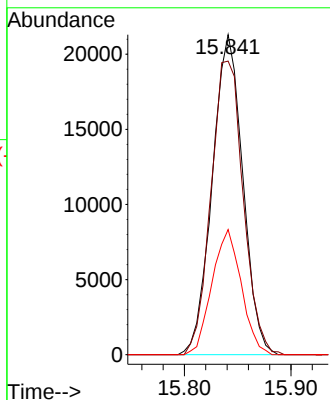
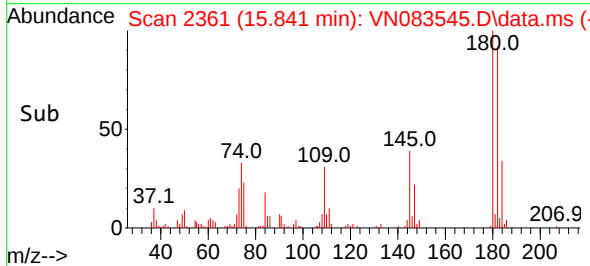
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



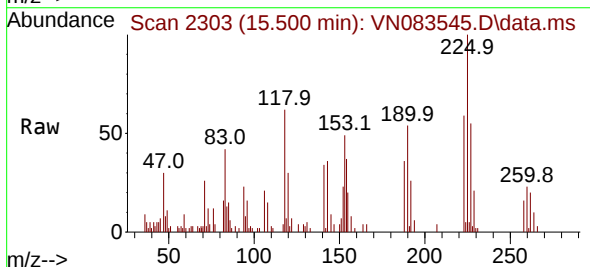
Tgt Ion:180 Resp: 4239  
Ion Ratio Lower Upper  
180 100  
182 96.8 76.4 114.6  
145 37.6 28.4 42.6

Manual Integrations  
APPROVED

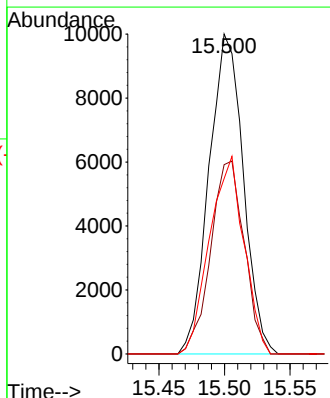
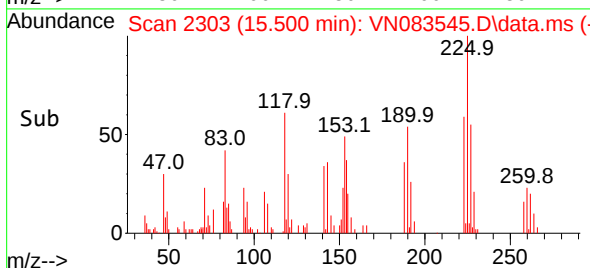
Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024

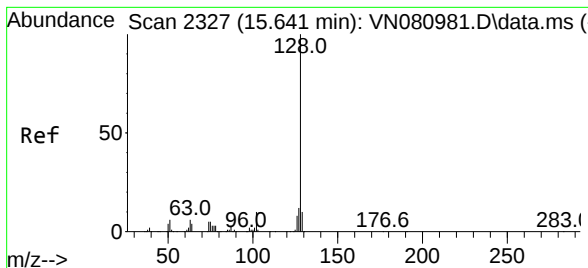


#90  
Hexachlorobutadiene  
Concen: 18.864 ug/l  
RT: 15.500 min Scan# 2303  
Delta R.T. -0.006 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57



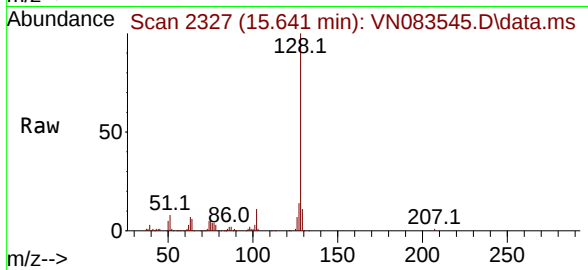
Tgt Ion:225 Resp: 18161  
Ion Ratio Lower Upper  
225 100  
223 59.1 0.0 126.6  
227 61.9 0.0 126.6





#91  
Naphthalene  
Concen: 20.469 ug/l  
RT: 15.641 min Scan# 2327  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57

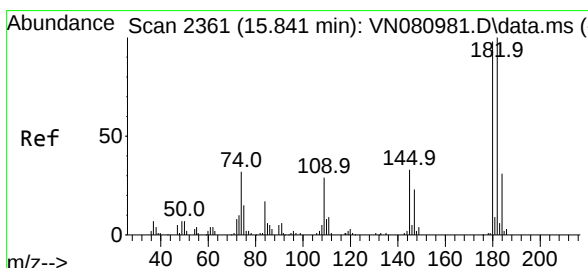
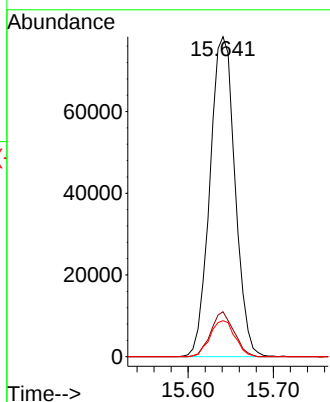
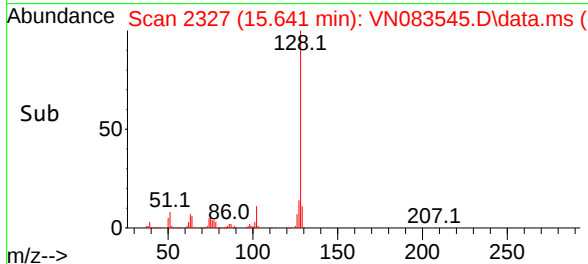
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



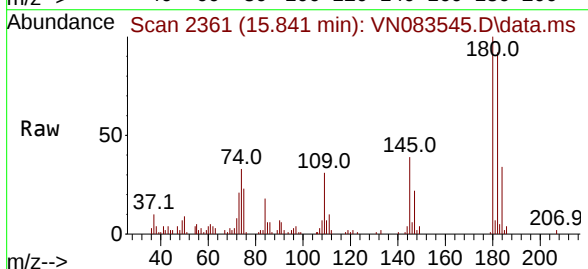
Tgt Ion:128 Resp: 16031  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.6 16.0  
129 11.2 8.6 13.0

Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/29/2024  
Supervised By :Mahesh Dadoda 08/29/2024



#92  
1,2,3-Trichlorobenzene  
Concen: 18.709 ug/l  
RT: 15.841 min Scan# 2361  
Delta R.T. -0.000 min  
Lab File: VN083545.D  
Acq: 28 Aug 2024 18:57



Tgt Ion:180 Resp: 42393  
Ion Ratio Lower Upper  
180 100  
182 96.8 0.0 191.0  
145 37.6 0.0 71.0

