

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN101424\  
 Data File : VN084410.D  
 Acq On : 14 Oct 2024 16:06  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/15/2024  
 Supervised By : Mahesh Dadoda 10/15/2024

Quant Time: Oct 15 01:35:18 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N100824W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Oct 09 02:22:28 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                        |                |      |                     |        |        |          |
| Internal Standards           |                |      |                     |        |        |          |
| 1) Bromochloromethane        | 7.818          | 128  | 33186               | 30.000 | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.100          | 114  | 173563              | 30.000 | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.865         | 117  | 160566              | 30.000 | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.577          | 65   | 75482               | 28.252 | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = 94.167%  |        |        |          |
| 60) 4-Bromofluorobenzene     | 12.847         | 95   | 80877               | 30.520 | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = 101.733% |        |        |          |
| 63) Toluene-d8               | 10.565         | 98   | 227582              | 30.595 | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = 102.000% |        |        |          |
| Target Compounds             |                |      |                     |        |        |          |
|                              |                |      |                     |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.130          | 85   | 35124               | 17.335 | ug/l   | 99       |
| 3) Chloromethane             | 2.353          | 50   | 40502               | 17.566 | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.518          | 62   | 39860               | 17.629 | ug/l   | 99       |
| 5) Bromomethane              | 2.959          | 94   | 26100               | 17.423 | ug/l   | 85       |
| 6) Chloroethane              | 3.124          | 64   | 25306               | 17.072 | ug/l   | 91       |
| 7) Trichlorofluoromethane    | 3.500          | 101  | 66354               | 18.016 | ug/l   | 98       |
| 8) Diethyl Ether             | 3.965          | 74   | 21231               | 15.679 | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371          | 101  | 39017               | 18.841 | ug/l   | 99       |
| 10) 1,1-Dichloroethene       | 4.342          | 96   | 35267               | 17.067 | ug/l   | 92       |
| 11) Methyl Iodide            | 4.589          | 142  | 44652               | 16.444 | ug/l   | 98       |
| 12) Methyl Acetate           | 5.018          | 43   | 43315               | 16.744 | ug/l   | 98       |
| 13) Acrolein                 | 4.183          | 56   | 31689               | 65.944 | ug/l   | 99       |
| 14) Acrylonitrile            | 5.718          | 53   | 87842               | 75.583 | ug/l   | 98       |
| 15) Acetone                  | 4.424          | 58   | 29559               | 89.035 | ug/l   | 96       |
| 16) Carbon Disulfide         | 4.712          | 76   | 103297              | 16.787 | ug/l   | 97       |
| 17) Allyl chloride           | 5.024          | 41   | 53782               | 16.056 | ug/l   | 93       |
| 18) Methylene Chloride       | 5.277          | 84   | 41557               | 17.853 | ug/l   | 97       |
| 19) trans-1,2-Dichloroethene | 5.783          | 96   | 37840               | 17.303 | ug/l   | 94       |
| 20) Diisopropyl ether        | 6.665          | 45   | 126412              | 17.553 | ug/l   | 98       |
| 21) 1,1-Dichloroethane       | 6.571          | 63   | 73953               | 17.896 | ug/l   | 97       |
| 22) cis-1,2-Dichloroethene   | 7.483          | 96   | 44662               | 17.551 | ug/l   | 99       |
| 23) tert-Butyl Alcohol       | 5.518          | 59   | 28260               | 63.393 | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.794          | 73   | 111747              | 16.182 | ug/l # | 89       |
| 25) Chloroform               | 7.965          | 83   | 76596               | 18.301 | ug/l   | 96       |
| 26) Cyclohexane              | 8.253          | 56   | 55475               | 16.051 | ug/l # | 94       |
| 29) 1,1-Dichloropropene      | 8.371          | 75   | 52451               | 18.409 | ug/l   | 99       |
| 30) 2-Butanone               | 7.477          | 43   | 118075              | 77.837 | ug/l   | 99       |
| 31) 2,2-Dichloropropane      | 7.494          | 77   | 65168               | 19.464 | ug/l # | 80       |
| 32) 1,1,1-Trichloroethane    | 8.165          | 97   | 70049               | 19.235 | ug/l   | 99       |
| 33) Carbon Tetrachloride     | 8.359          | 117  | 57538               | 18.237 | ug/l   | 98       |
| 34) Benzene                  | 8.606          | 78   | 163395              | 18.320 | ug/l   | 95       |
| 35) Methacrylonitrile        | 7.771          | 41   | 27297               | 16.867 | ug/l   | 93       |
| 36) 1,2-Dichloroethane       | 8.671          | 62   | 54828               | 18.443 | ug/l   | 98       |
| 37) Trichloroethene          | 9.353          | 130  | 38644               | 18.817 | ug/l   | 100      |
| 38) Methylcyclohexane        | 9.600          | 83   | 54370               | 17.373 | ug/l   | 97       |
| 39) 1,2-Dichloropropane      | 9.618          | 63   | 40699               | 18.713 | ug/l   | 98       |
| 40) Dibromomethane           | 9.706          | 93   | 27523               | 18.107 | ug/l   | 98       |
| 41) Bromodichloromethane     | 9.882          | 83   | 59665               | 18.490 | ug/l   | 91       |
| 42) Vinyl Acetate            | 6.600          | 43   | 439405              | 83.286 | ug/l   | 100      |

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 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

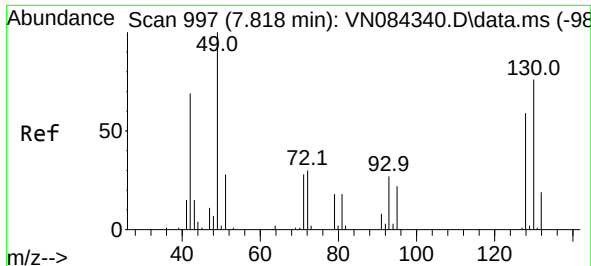
Reviewed By :John Carlone 10/15/2024  
 Supervised By :Mahesh Dadoda 10/15/2024

Quant Time: Oct 15 01:35:18 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N100824W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Oct 09 02:22:28 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |     |
|-------------------------------|--------|------|----------|---------|-------|----------|-----|
| 43) Ethyl Acetate             | 7.559  | 43   | 46198    | 15.442  | ug/l  | #        | 80  |
| 44) Isopropyl Acetate         | 8.688  | 43   | 82777    | 16.905  | ug/l  |          | 99  |
| 45) 1,4-Dioxane               | 9.700  | 88   | 14247    | 322.753 | ug/l  |          | 88  |
| 46) Methyl methacrylate       | 9.677  | 41   | 36727    | 15.523  | ug/l  |          | 94  |
| 47) n-amyl Acetate            | 12.494 | 43   | 67058    | 15.396  | ug/l  |          | 97  |
| 48) t-1,3-Dichloropropene     | 10.835 | 75   | 57664    | 17.293  | ug/l  |          | 99  |
| 49) cis-1,3-Dichloropropene   | 10.312 | 75   | 63766    | 18.247  | ug/l  |          | 97  |
| 50) 1,1,2-Trichloroethane     | 11.018 | 97   | 38114    | 18.655  | ug/l  |          | 94  |
| 51) Ethyl methacrylate        | 10.871 | 69   | 52556    | 15.573  | ug/l  |          | 98  |
| 52) 1,3-Dichloropropane       | 11.159 | 76   | 64436    | 18.037  | ug/l  |          | 98  |
| 53) Dibromochloromethane      | 11.359 | 129  | 43606    | 18.067  | ug/l  |          | 96  |
| 54) 1,2-Dibromoethane         | 11.465 | 107  | 35617    | 16.936  | ug/l  |          | 92  |
| 55) 2-Chloroethyl vinyl ether | 10.159 | 63   | 137575   | 89.882  | ug/l  |          | 99  |
| 56) Bromoform                 | 12.576 | 173  | 27370    | 17.098  | ug/l  |          | 96  |
| 58) 4-Methyl-2-Pentanone      | 10.441 | 43   | 237071   | 79.259  | ug/l  |          | 100 |
| 59) 2-Hexanone                | 11.194 | 43   | 172132   | 77.446  | ug/l  |          | 100 |
| 61) Tetrachloroethene         | 11.100 | 164  | 38168    | 21.015  | ug/l  |          | 95  |
| 62) Toluene                   | 10.629 | 91   | 173041   | 18.409  | ug/l  |          | 100 |
| 64) Chlorobenzene             | 11.888 | 112  | 106524   | 18.211  | ug/l  |          | 98  |
| 65) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 38483    | 18.937  | ug/l  |          | 98  |
| 66) Ethyl Benzene             | 11.965 | 91   | 180142   | 17.639  | ug/l  |          | 98  |
| 67) m/p-Xylenes               | 12.070 | 106  | 143254   | 36.977  | ug/l  |          | 97  |
| 68) o-Xylene                  | 12.400 | 106  | 66248    | 17.741  | ug/l  |          | 97  |
| 69) Styrene                   | 12.412 | 104  | 112332   | 17.523  | ug/l  |          | 100 |
| 70) Isopropylbenzene          | 12.694 | 105  | 169003   | 17.728  | ug/l  |          | 98  |
| 71) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 49693    | 16.850  | ug/l  |          | 98  |
| 72) 1,2,3-Trichloropropane    | 12.988 | 75   | 48003m   | 19.006  | ug/l  |          |     |
| 73) Bromobenzene              | 12.976 | 156  | 41647    | 18.039  | ug/l  |          | 98  |
| 74) n-propylbenzene           | 13.035 | 91   | 207096   | 18.230  | ug/l  |          | 99  |
| 75) 2-Chlorotoluene           | 13.123 | 91   | 128447   | 18.196  | ug/l  |          | 99  |
| 76) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 147463   | 18.371  | ug/l  |          | 100 |
| 77) t-1,4-Dichloro-2-butene   | 12.741 | 75   | 17702    | 16.402  | ug/l  |          | 92  |
| 78) 4-Chlorotoluene           | 13.217 | 91   | 131287   | 18.293  | ug/l  |          | 99  |
| 79) tert-butylbenzene         | 13.435 | 119  | 119982   | 17.521  | ug/l  |          | 99  |
| 80) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 145213   | 17.830  | ug/l  |          | 100 |
| 81) sec-Butylbenzene          | 13.612 | 105  | 173777   | 18.432  | ug/l  |          | 100 |
| 82) p-Isopropyltoluene        | 13.729 | 119  | 142363   | 17.940  | ug/l  |          | 99  |
| 83) 1,3-Dichlorobenzene       | 13.729 | 146  | 81130    | 18.899  | ug/l  |          | 99  |
| 84) 1,4-Dichlorobenzene       | 13.812 | 146  | 78568    | 18.431  | ug/l  |          | 99  |
| 85) n-Butylbenzene            | 14.053 | 91   | 118724   | 17.274  | ug/l  |          | 99  |
| 86) Hexachloroethane          | 14.329 | 117  | 27744    | 18.147  | ug/l  |          | 99  |
| 87) 1,2-Dichlorobenzene       | 14.106 | 146  | 76865    | 18.519  | ug/l  |          | 99  |
| 88) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 9824     | 16.290  | ug/l  |          | 99  |
| 89) 1,2,4-Trichlorobenzene    | 15.841 | 180  | 37392    | 17.327  | ug/l  |          | 96  |
| 90) Hexachlorobutadiene       | 15.500 | 225  | 18725    | 18.756  | ug/l  |          | 96  |
| 91) Naphthalene               | 15.641 | 128  | 104680   | 14.315  | ug/l  |          | 99  |
| 92) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 37392    | 17.327  | ug/l  |          | 96  |

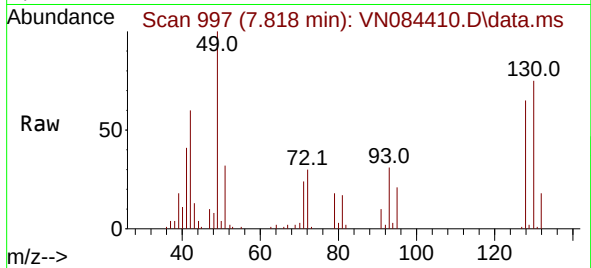
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.818 min Scan# 997  
Delta R.T. -0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

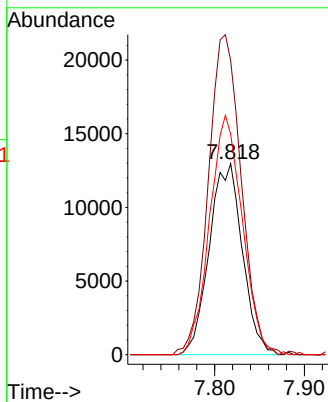
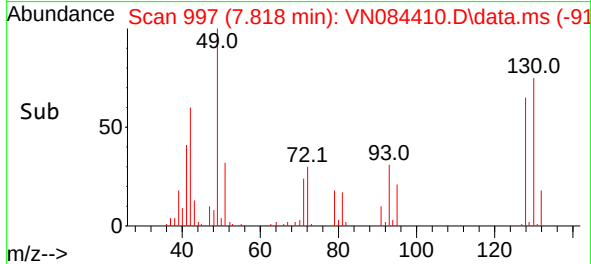
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:128 Resp: 33180  
Ion Ratio Lower Upper  
128 100  
49 165.1 0.0 430.0  
130 124.0 0.0 329.8

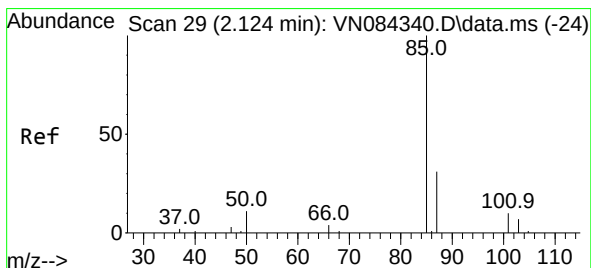
Manual Integrations  
APPROVED

Reviewed By :John Carlone 10/15/2024  
Supervised By :Mahesh Dadoda 10/15/2024



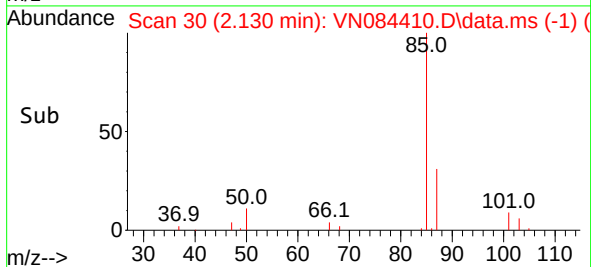
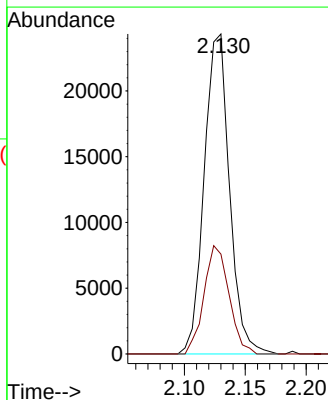
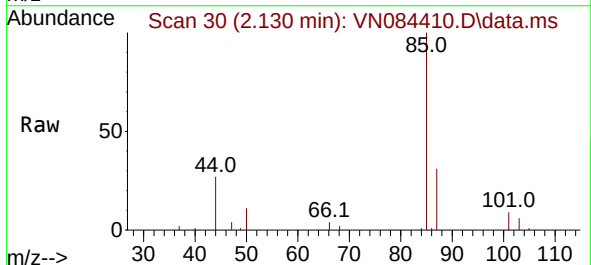
10/15/2024  
Supervised By :Mahesh  
Dadoda

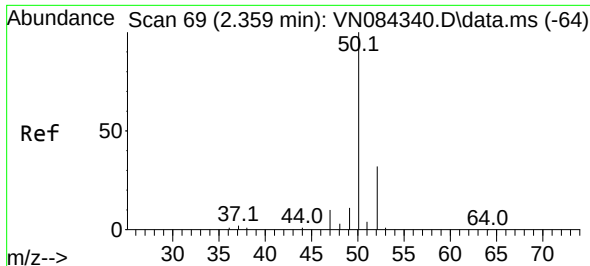
10/15/2024



#2  
Dichlorodifluoromethane  
Concen: 17.335 ug/l  
RT: 2.130 min Scan# 30  
Delta R.T. 0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion: 85 Resp: 35124  
Ion Ratio Lower Upper  
85 100  
87 31.2 15.4 46.4





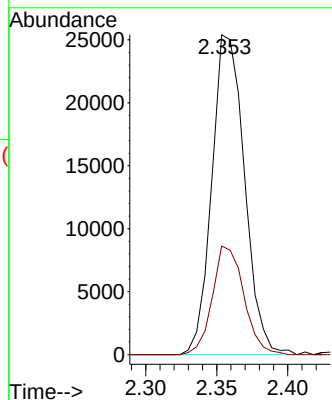
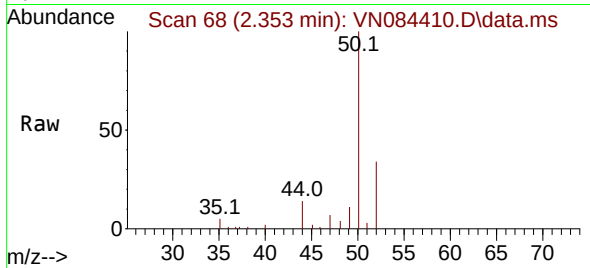
#3  
Chloromethane  
Concen: 17.566 ug/l  
RT: 2.353 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

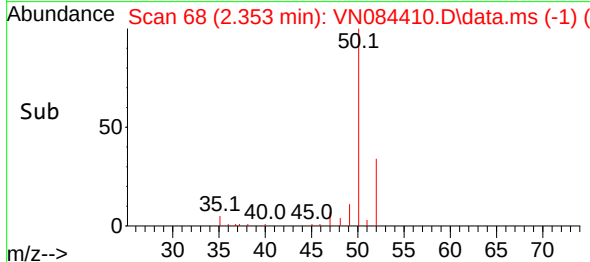
Tgt Ion: 50 Resp: 40502  
Ion Ratio Lower Upper  
50 100  
52 34.0 25.8 38.6

Manual Integrations  
APPROVED

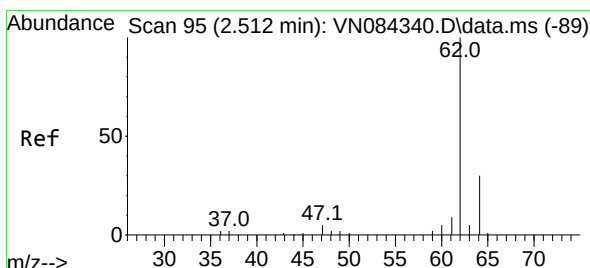
Reviewed By :John Carlone 10/15/2024  
Supervised By :Mahesh Dadoda 10/15/2024



10/15/2024  
Supervised By :Mahesh  
Dadoda

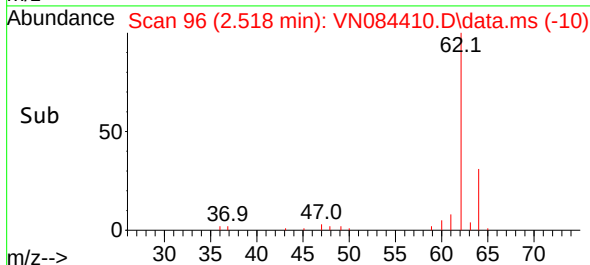
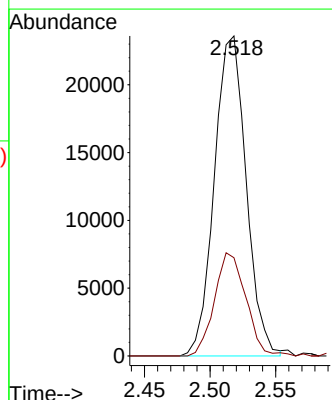
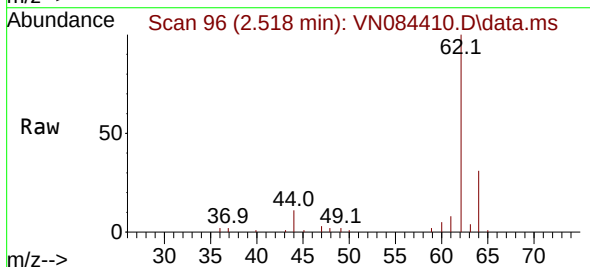


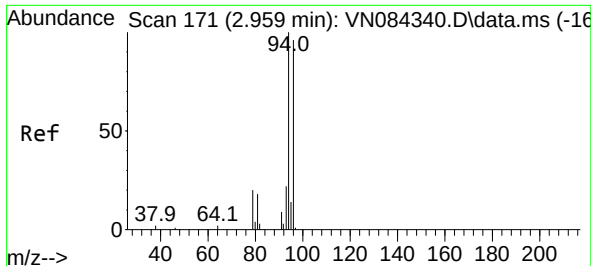
10/15/2024



#4  
Vinyl Chloride  
Concen: 17.629 ug/l  
RT: 2.518 min Scan# 96  
Delta R.T. 0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

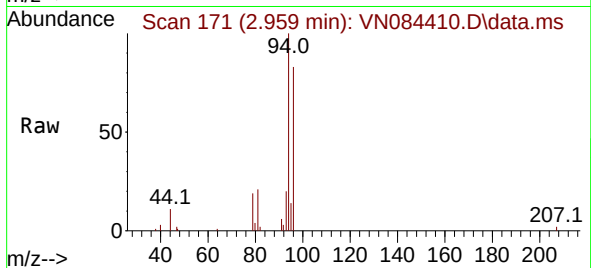
Tgt Ion: 62 Resp: 39860  
Ion Ratio Lower Upper  
62 100  
64 30.7 24.3 36.5





#5  
Bromomethane  
Concen: 17.423 ug/l  
RT: 2.959 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

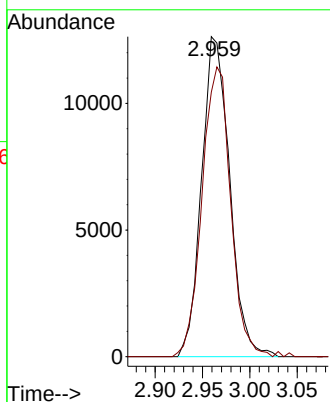
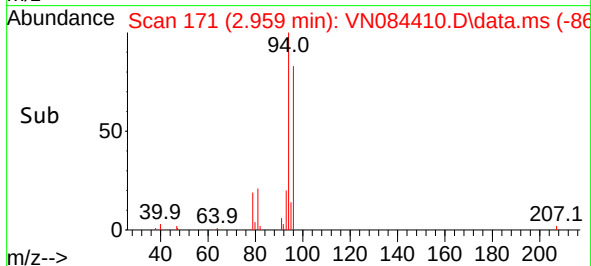
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 94 Resp: 26100  
Ion Ratio Lower Upper  
94 100  
96 81.4 76.7 115.1

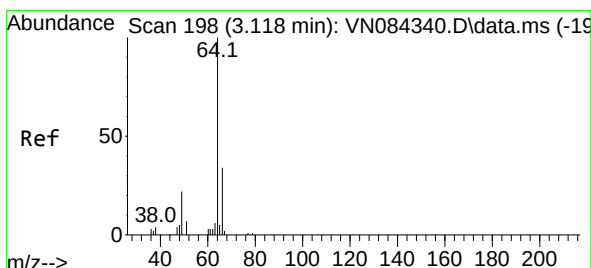
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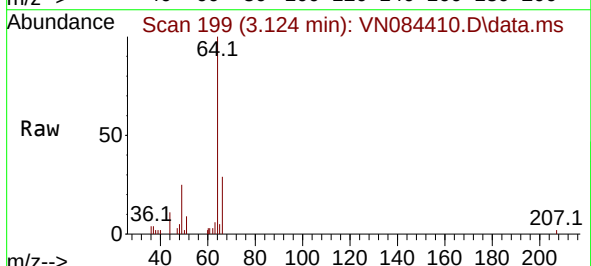


10/15/2024  
Supervised By :Mahesh  
Dadoda

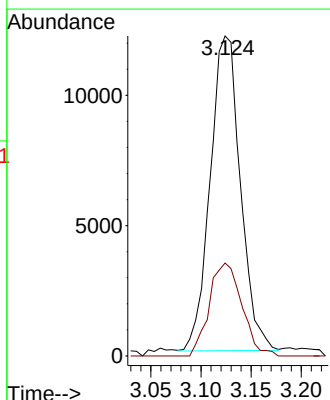
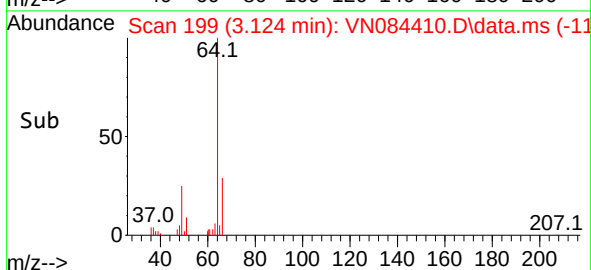
10/15/2024

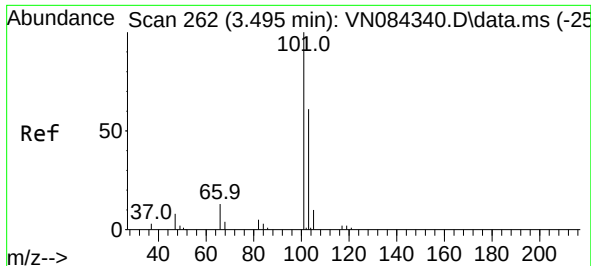


#6  
Chloroethane  
Concen: 17.072 ug/l  
RT: 3.124 min Scan# 199  
Delta R.T. 0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06



Tgt Ion: 64 Resp: 25306  
Ion Ratio Lower Upper  
64 100  
66 29.6 27.7 41.5





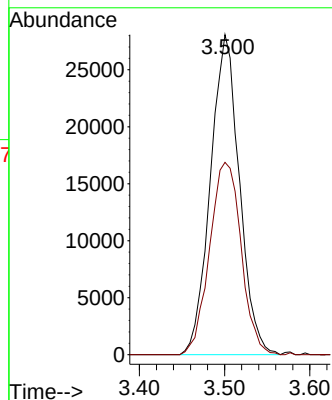
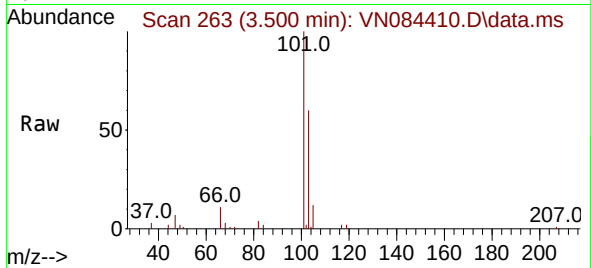
#7  
Trichlorofluoromethane  
Concen: 18.016 ug/l  
RT: 3.500 min Scan# 263  
Delta R.T. 0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:101 Resp: 66354  
Ion Ratio Lower Upper  
101 100  
103 60.1 49.0 73.6

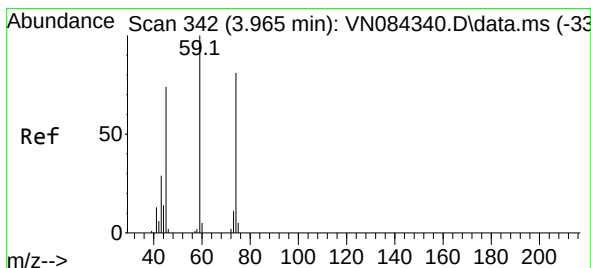
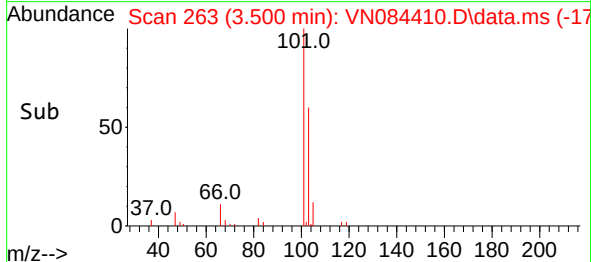
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Supervised By :Mahesh Dadoda 10/15/2024



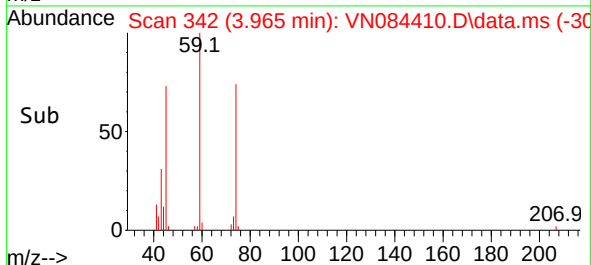
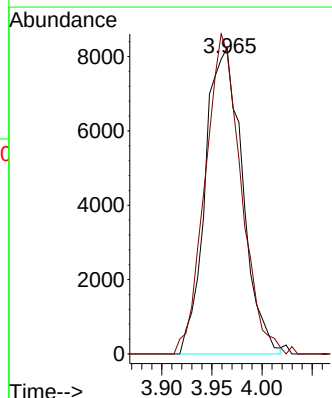
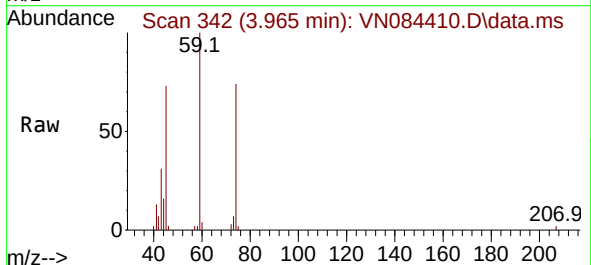
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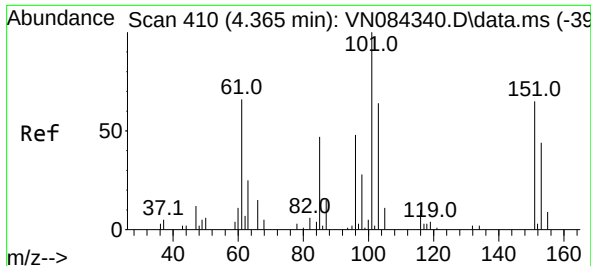
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#8  
Diethyl Ether  
Concen: 15.679 ug/l  
RT: 3.965 min Scan# 342  
Delta R.T. -0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion: 74 Resp: 21231  
Ion Ratio Lower Upper  
74 100  
45 100.6 19.2 173.2





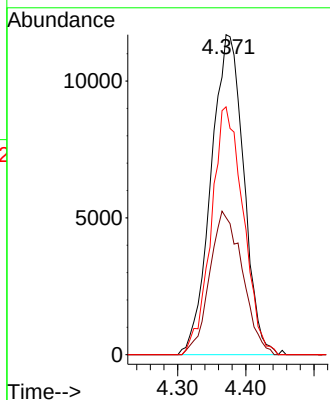
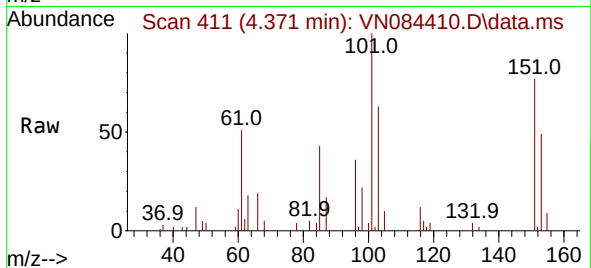
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 18.841 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:101 Resp: 3901  
Ion Ratio Lower Upper  
101 100  
85 45.1 0.0 93.6  
151 75.8 0.0 151.8

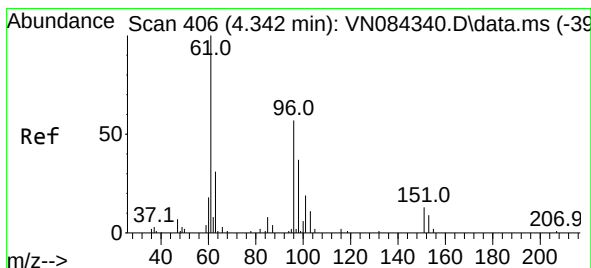
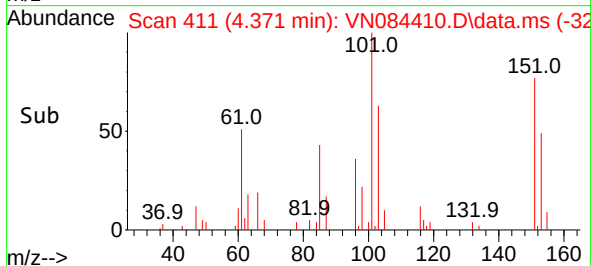
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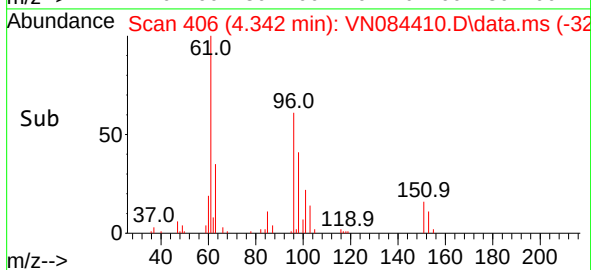
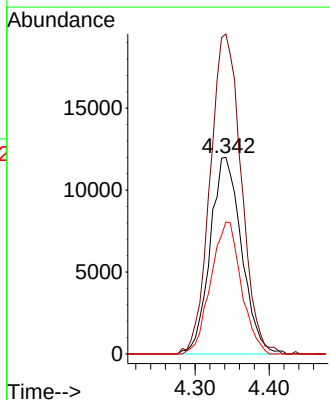
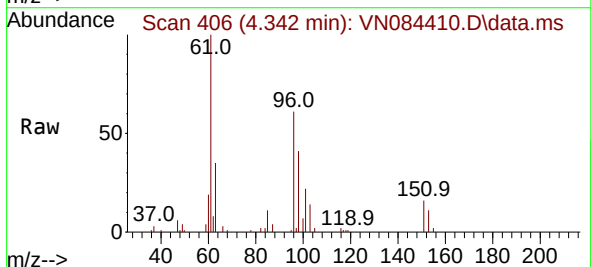
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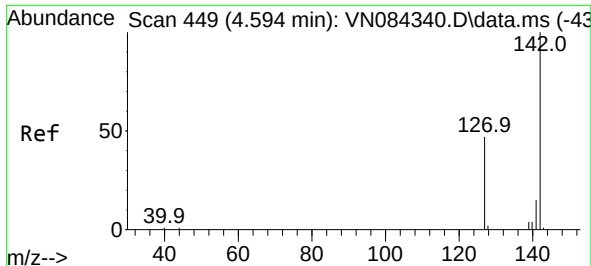


#10  
1,1-Dichloroethene  
Concen: 17.067 ug/l  
RT: 4.342 min Scan# 406  
Delta R.T. -0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion: 96 Resp: 35267  
Ion Ratio Lower Upper  
96 100  
61 162.8 140.8 211.2  
98 67.1 52.2 78.2

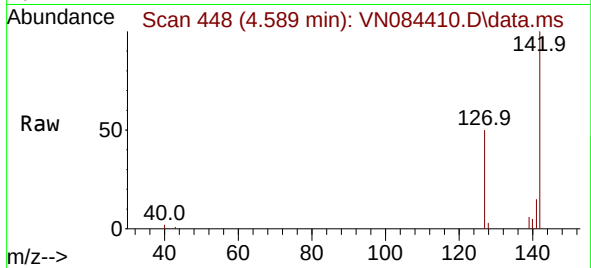






#11  
Methyl Iodide  
Concen: 16.444 ug/l  
RT: 4.589 min Scan# 449  
Delta R.T. -0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

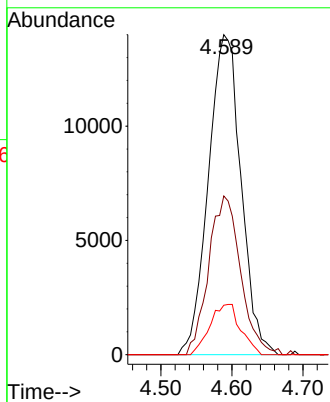
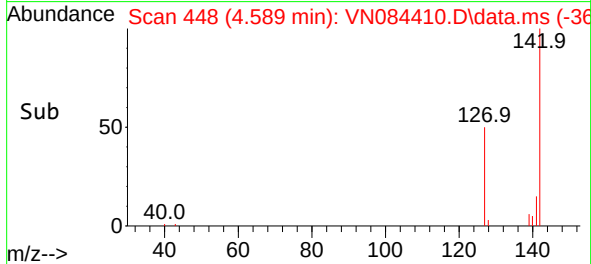
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:142 Resp: 44652  
Ion Ratio Lower Upper  
142 100  
127 48.7 23.8 71.4  
141 15.4 7.4 22.2

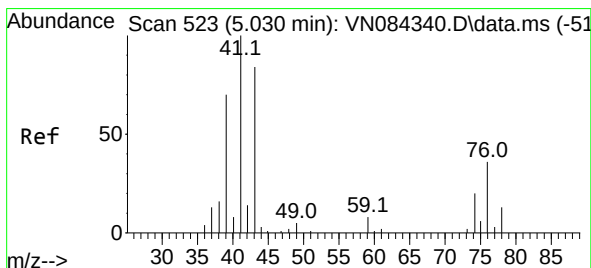
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Supervised By :Mahesh Dadoda 10/15/2024



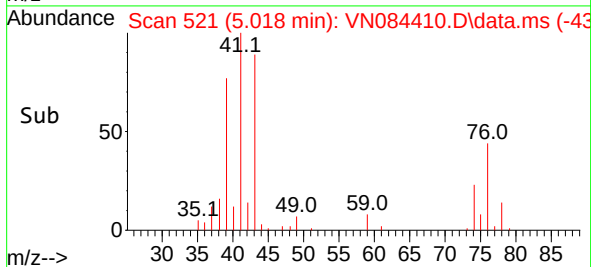
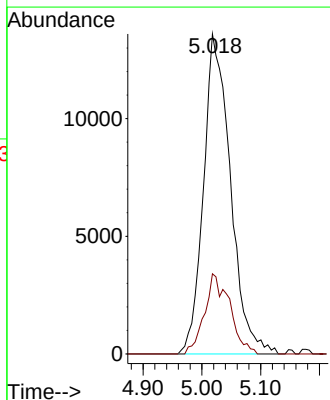
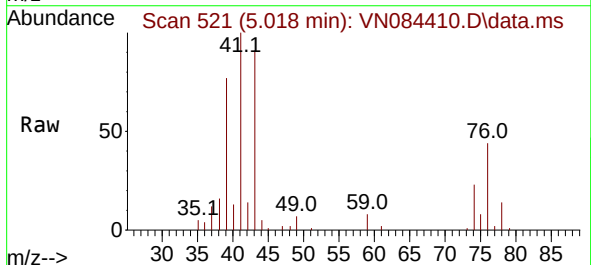
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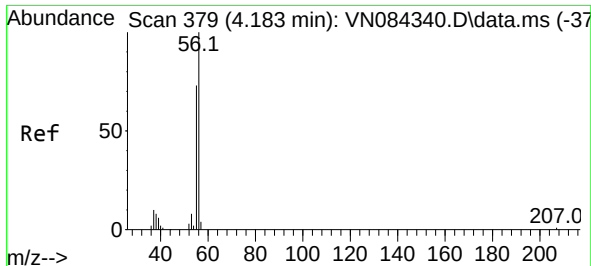
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#12  
Methyl Acetate  
Concen: 16.744 ug/l  
RT: 5.018 min Scan# 521  
Delta R.T. -0.012 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

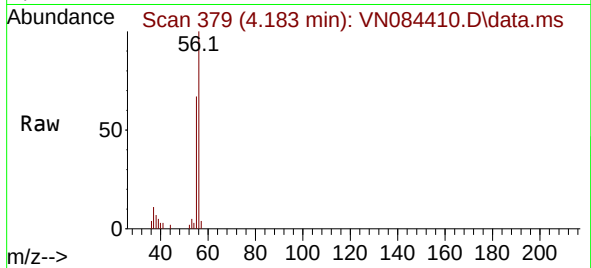
Tgt Ion: 43 Resp: 43315  
Ion Ratio Lower Upper  
43 100  
74 25.0 19.4 29.2





#13  
Acrolein  
Concen: 65.944 ug/l  
RT: 4.183 min Scan# 31689  
Delta R.T. -0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

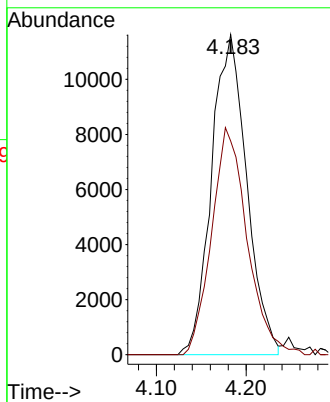
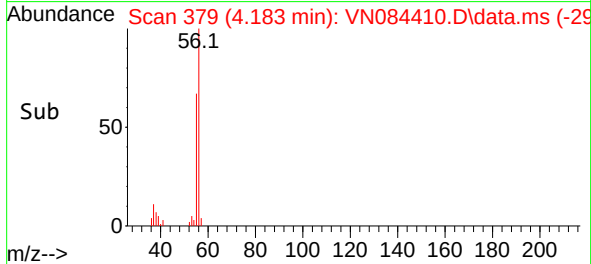
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 56 Resp: 31689  
Ion Ratio Lower Upper  
56 100  
55 71.2 56.4 84.6

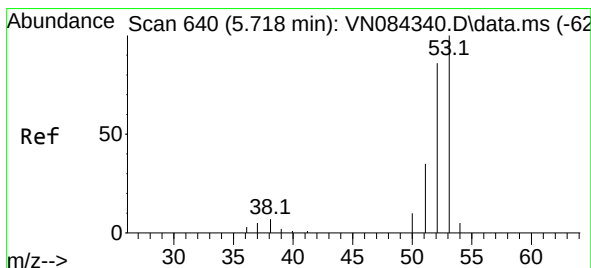
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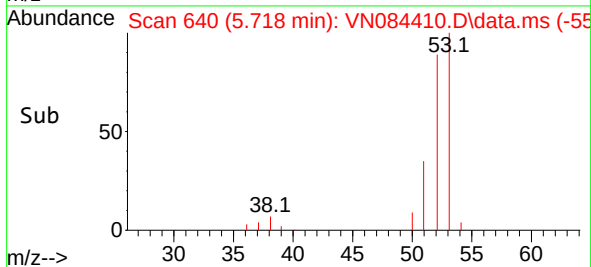
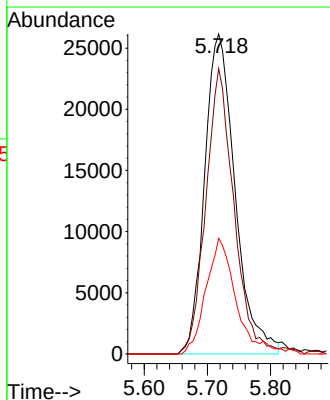
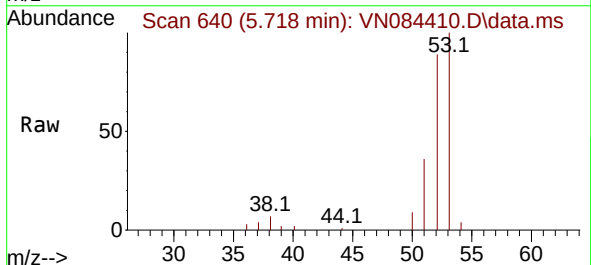
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Dadoda

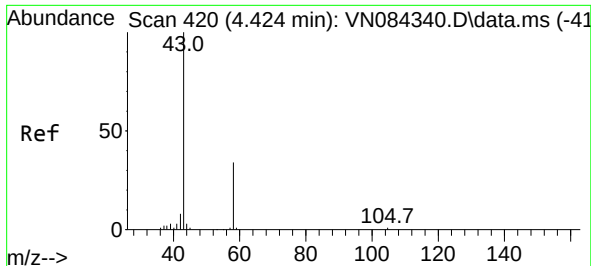
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#14  
Acrylonitrile  
Concen: 75.583 ug/l  
RT: 5.718 min Scan# 640  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion: 53 Resp: 87842  
Ion Ratio Lower Upper  
53 100  
52 81.8 40.4 121.2  
51 33.8 17.8 53.4





#15

Acetone

Concen: 89.035 ug/l

RT: 4.424 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN084410.D

Acq: 14 Oct 2024 16:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 2955

Ion Ratio Lower Upper

58 100

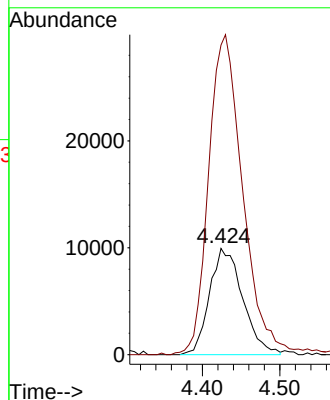
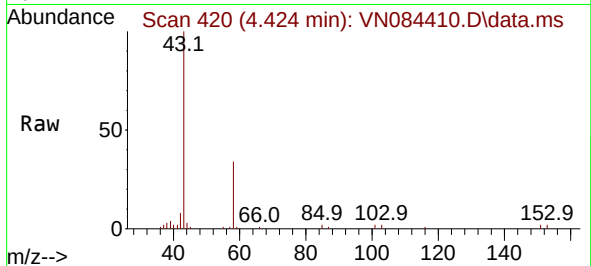
43 289.1 237.5 356.3

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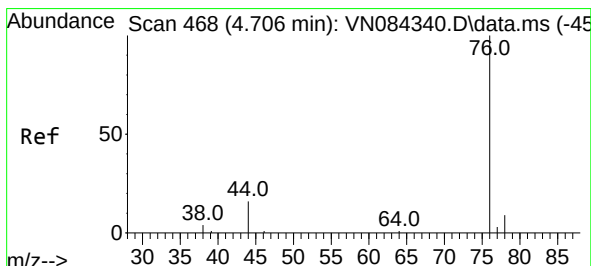
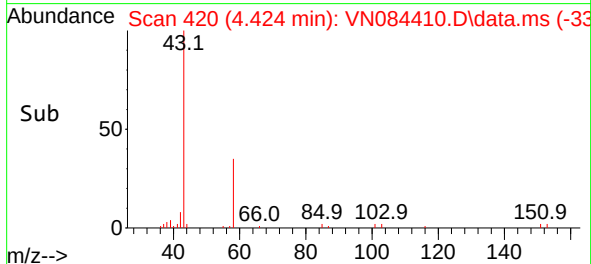
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#16

Carbon Disulfide

Concen: 16.787 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.006 min

Lab File: VN084410.D

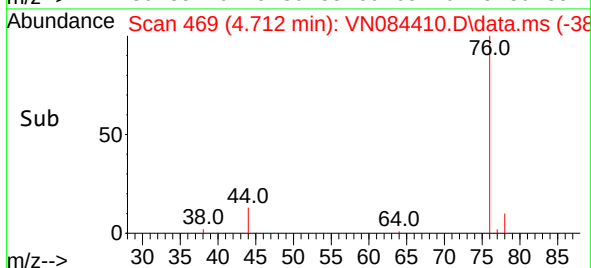
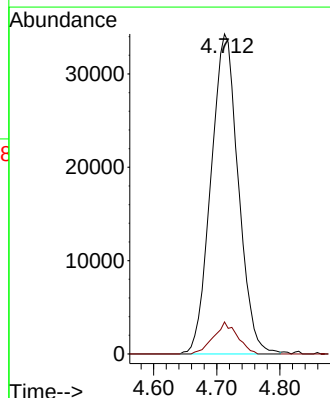
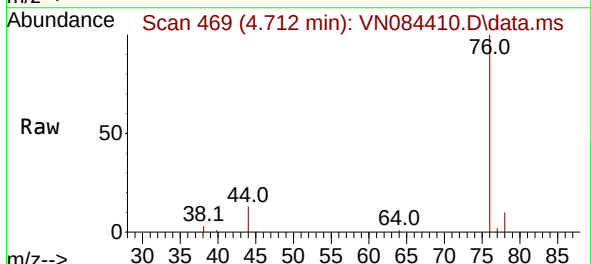
Acq: 14 Oct 2024 16:06

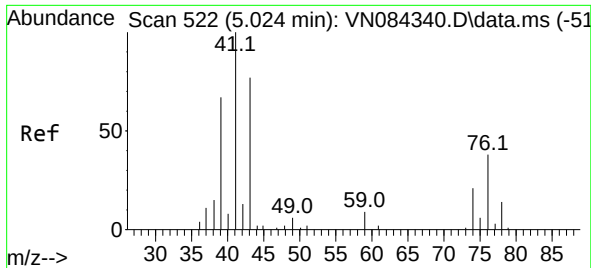
Tgt Ion: 76 Resp: 103297

Ion Ratio Lower Upper

76 100

78 10.0 7.1 10.7





#17  
 Allyl chloride  
 Concen: 16.056 ug/l  
 RT: 5.024 min Scan# 51  
 Delta R.T. 0.000 min  
 Lab File: VN084410.D  
 Acq: 14 Oct 2024 16:06

Instrument :

MSVOA\_N

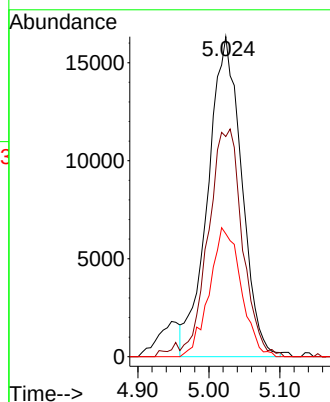
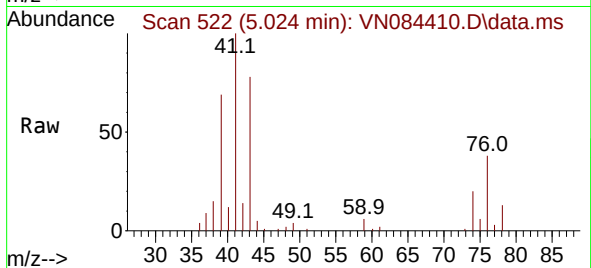
ClientSampleId :

VSTDCCC020EC

Tgt Ion: 41 Resp: 5378  
 Ion Ratio Lower Upper  
 41 100  
 39 68.4 31.4 94.3  
 76 38.9 17.8 53.5

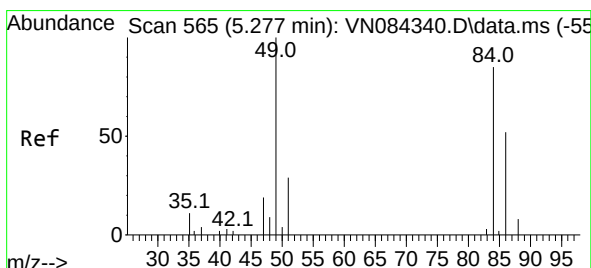
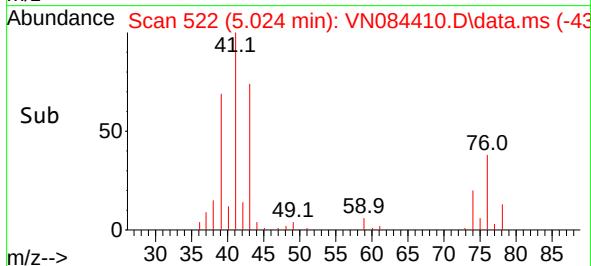
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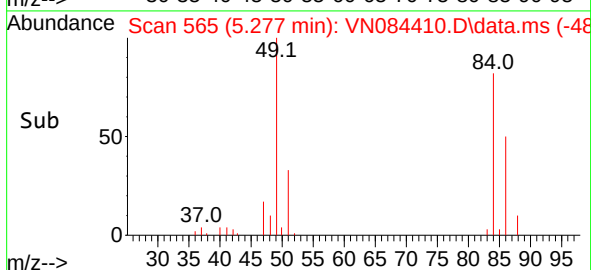
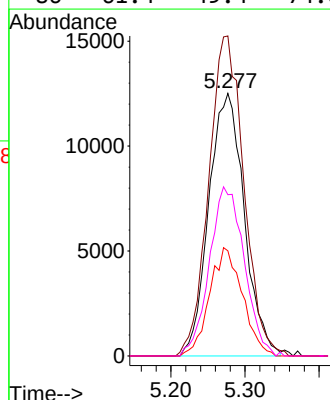
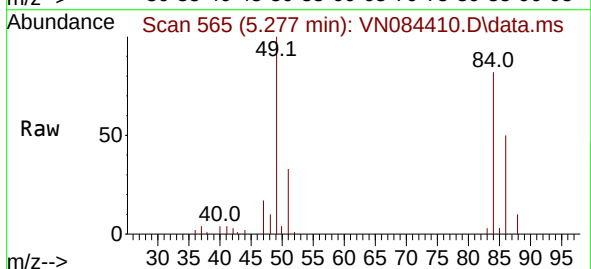
10/15/2024  
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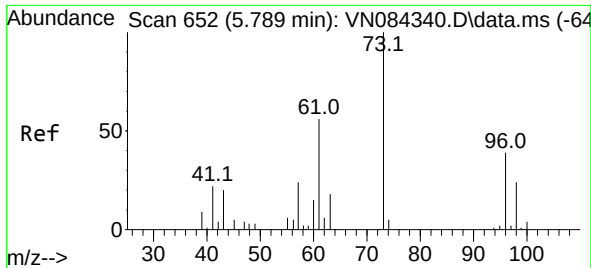
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#18  
 Methylene Chloride  
 Concen: 17.853 ug/l  
 RT: 5.277 min Scan# 565  
 Delta R.T. -0.000 min  
 Lab File: VN084410.D  
 Acq: 14 Oct 2024 16:06

Tgt Ion: 84 Resp: 41557  
 Ion Ratio Lower Upper  
 84 100  
 49 120.4 94.6 142.0  
 51 40.1 27.3 40.9  
 86 61.4 49.4 74.0





#19  
trans-1,2-Dichloroethene  
Concen: 17.303 ug/l  
RT: 5.783 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

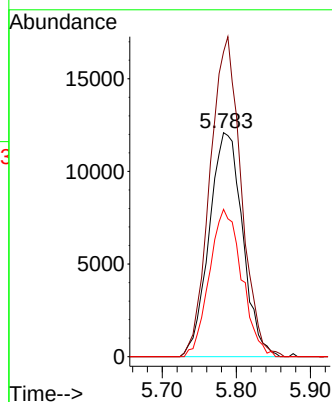
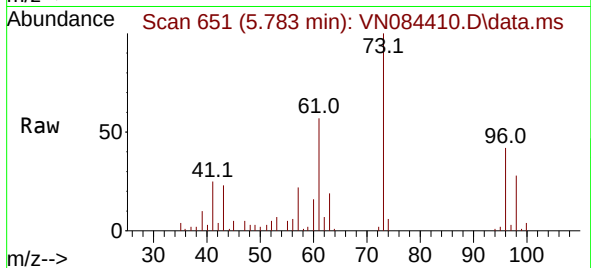
Tgt Ion: 96 Resp: 37840  
Ion Ratio Lower Upper  
96 100  
61 136.1 115.8 173.6  
98 65.8 49.4 74.0

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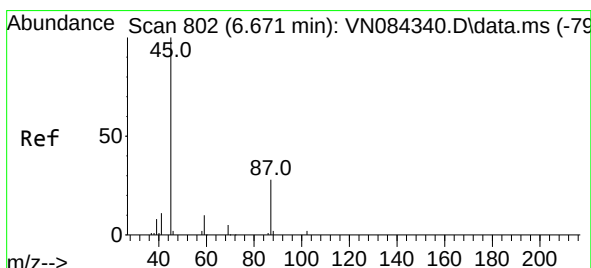
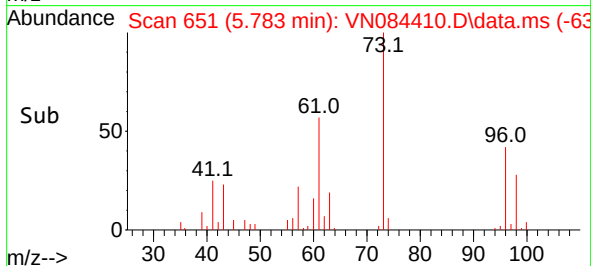
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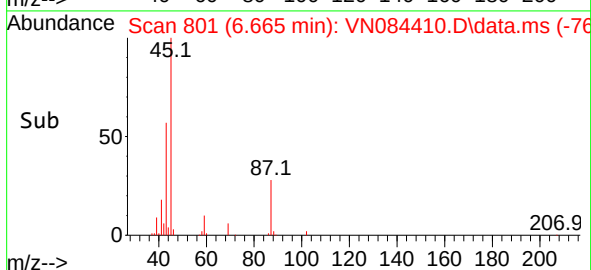
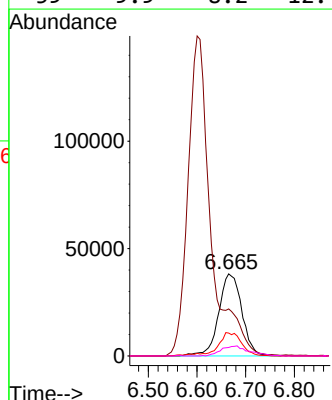
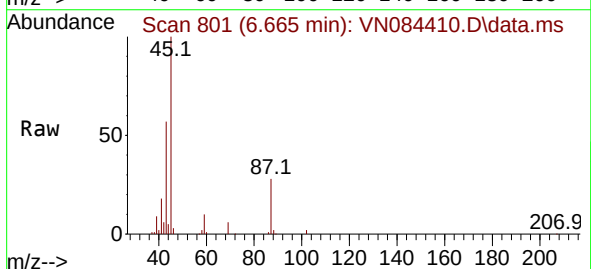
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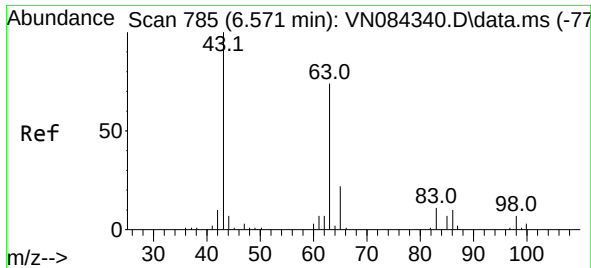
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#20  
Diisopropyl ether  
Concen: 17.553 ug/l  
RT: 6.665 min Scan# 801  
Delta R.T. -0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion: 45 Resp: 126412  
Ion Ratio Lower Upper  
45 100  
43 56.4 43.7 65.5  
87 27.8 23.1 34.7  
59 9.9 8.2 12.4





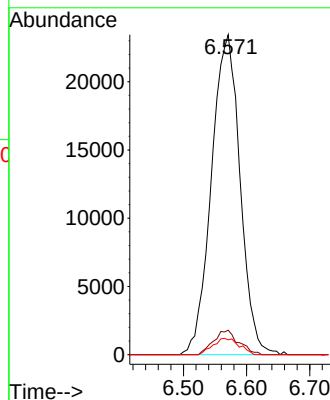
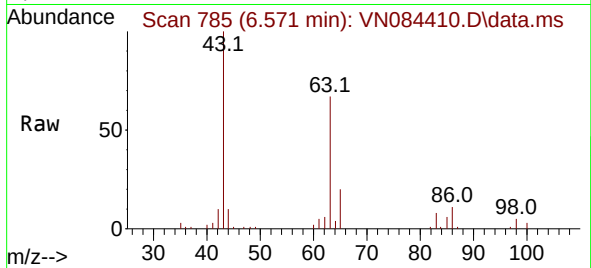
#21  
1,1-Dichloroethane  
Concen: 17.896 ug/l  
RT: 6.571 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 63 Resp: 7395  
Ion Ratio Lower Upper  
63 100  
98 7.7 4.5 13.4  
100 4.7 2.1 6.3

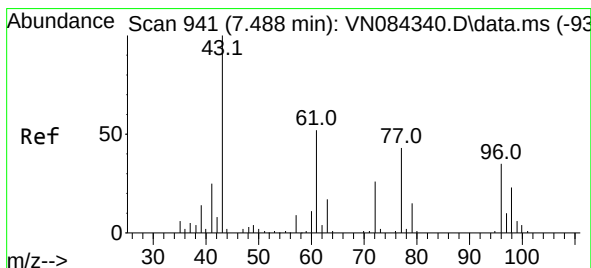
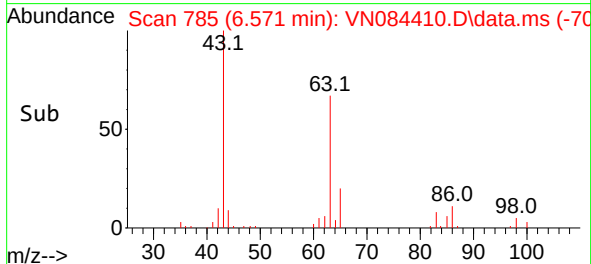
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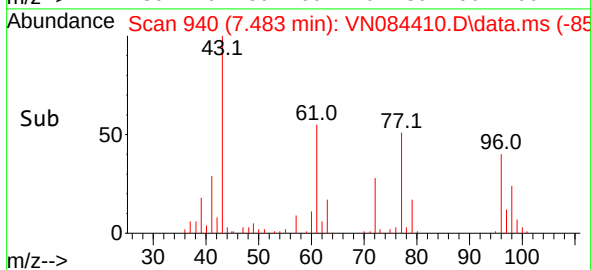
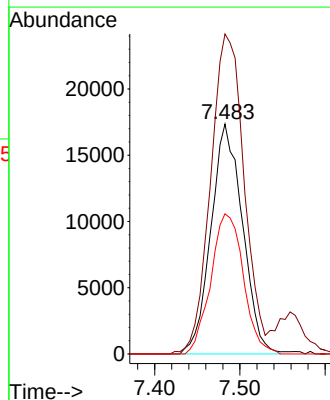
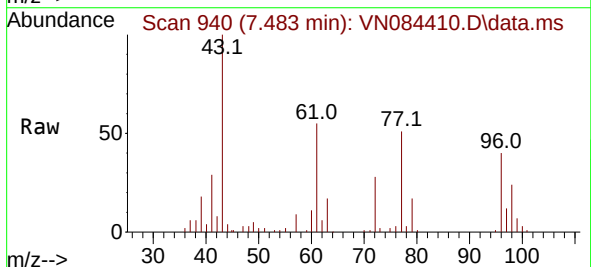
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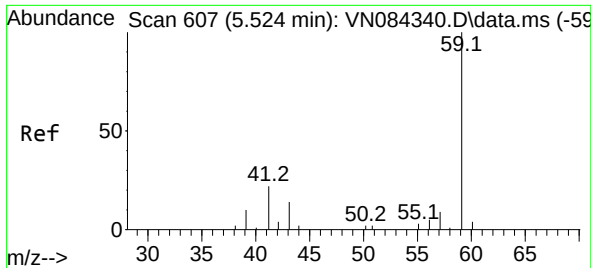
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#22  
cis-1,2-Dichloroethene  
Concen: 17.551 ug/l  
RT: 7.483 min Scan# 940  
Delta R.T. -0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion: 96 Resp: 44662  
Ion Ratio Lower Upper  
96 100  
61 147.2 118.0 177.0  
98 62.9 51.8 77.8





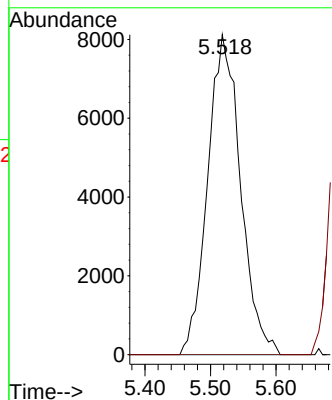
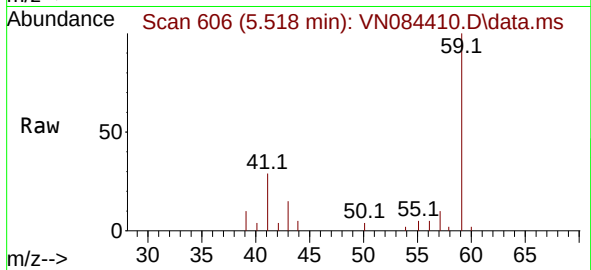
#23  
tert-Butyl Alcohol  
Concen: 63.393 ug/l  
RT: 5.518 min Scan# 607  
Delta R.T. -0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 59 Resp: 28260  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0

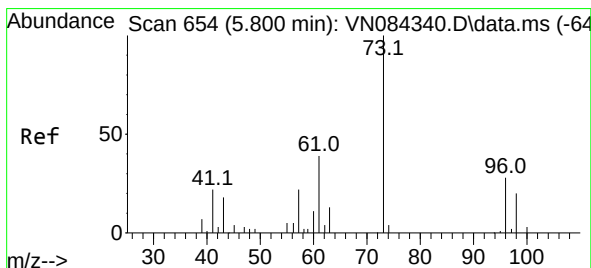
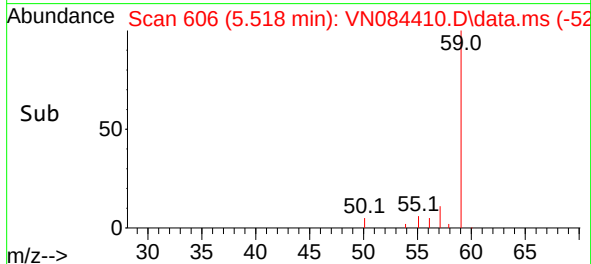
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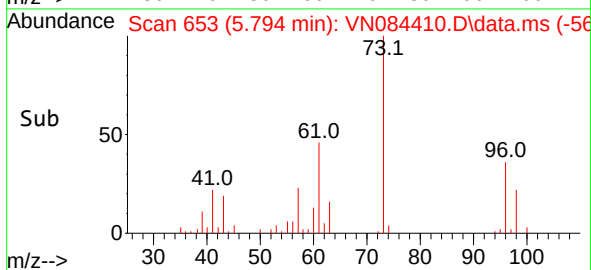
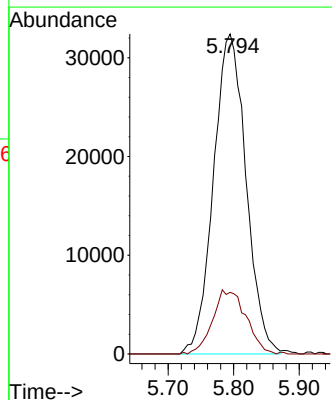
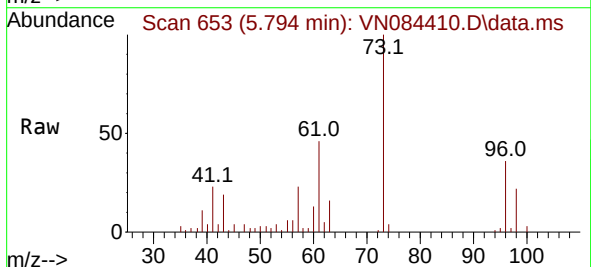
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Dadoda

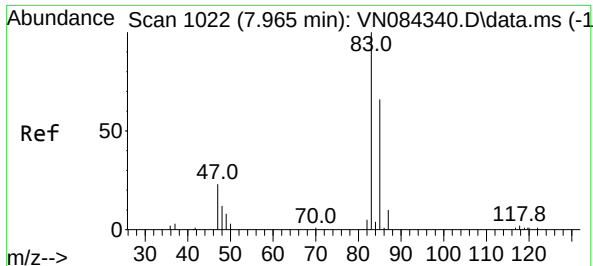
10/15/2024



#24  
Methyl tert-Butyl Ether  
Concen: 16.182 ug/l  
RT: 5.794 min Scan# 653  
Delta R.T. -0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion: 73 Resp: 111747  
Ion Ratio Lower Upper  
73 100  
43 9.3 10.9 16.3#





#25

Chloroform

Concen: 18.301 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN084410.D

Acq: 14 Oct 2024 16:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 83 Resp: 76590

Ion Ratio Lower Upper

83 100

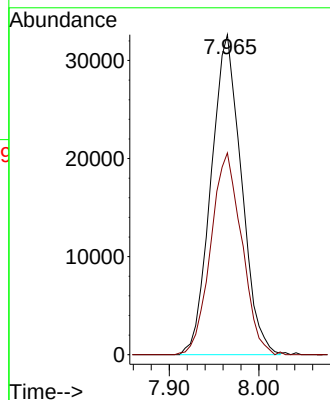
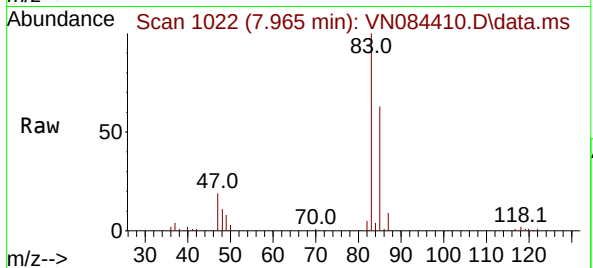
85 62.5 52.4 78.6

Manual Integrations

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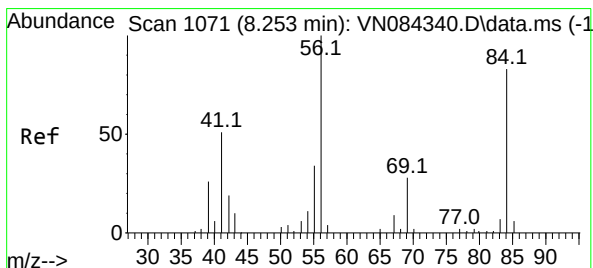
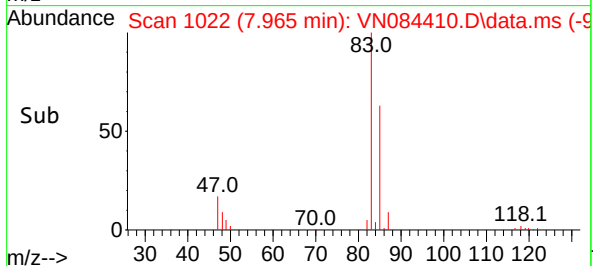
Supervised By :Mahesh Dadoda 10/15/2024



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#26

Cyclohexane

Concen: 16.051 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN084410.D

Acq: 14 Oct 2024 16:06

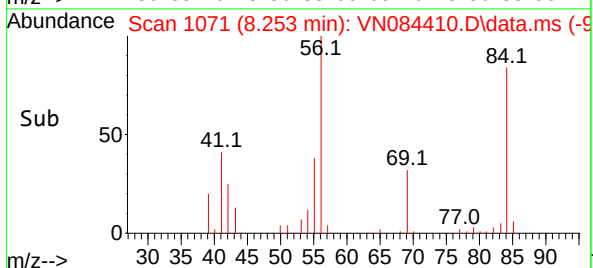
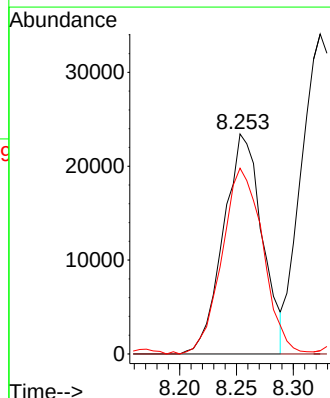
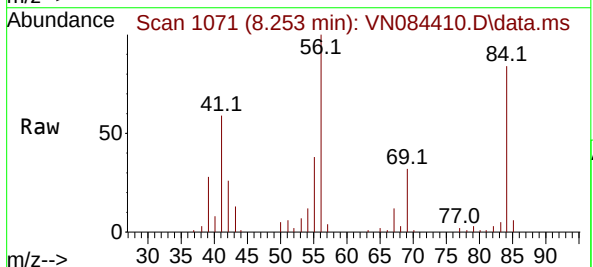
Tgt Ion: 56 Resp: 55475

Ion Ratio Lower Upper

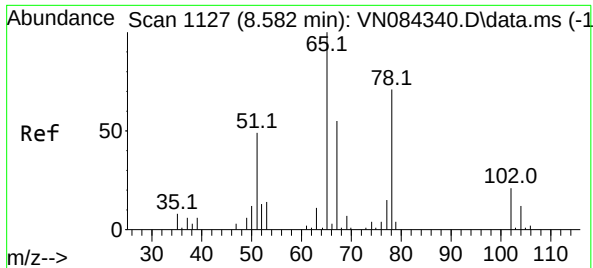
56 100

89 0.0 0.0 0.0

84 89.3 67.0 100.6







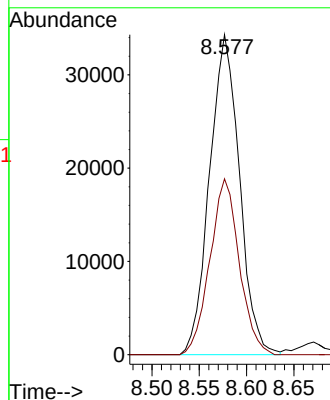
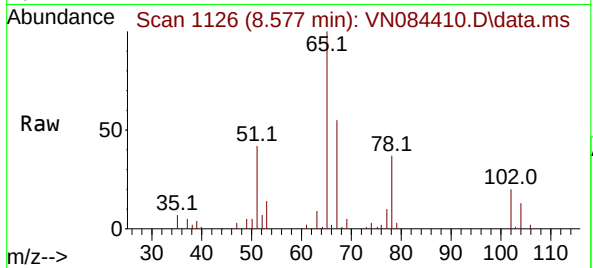
#27  
1,2-Dichloroethane-d4  
Concen: 28.252 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 65 Resp: 7548  
Ion Ratio Lower Upper  
65 100  
67 53.9 41.5 62.3

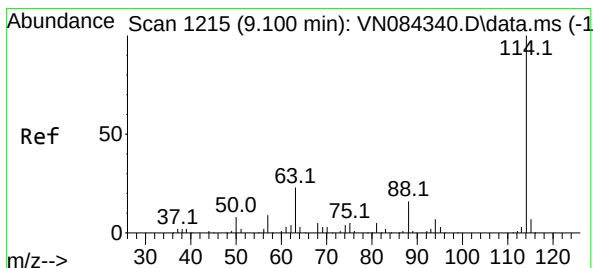
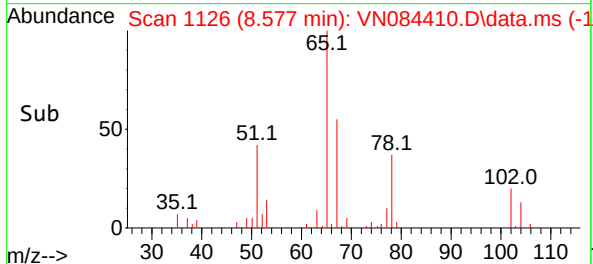
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Supervised By :Mahesh Dadoda 10/15/2024



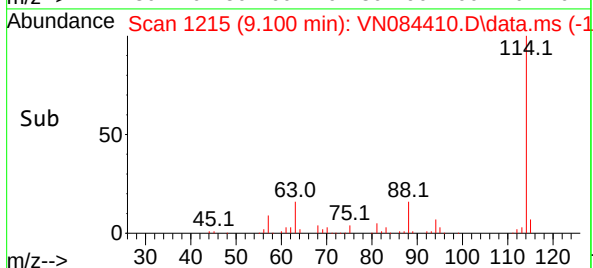
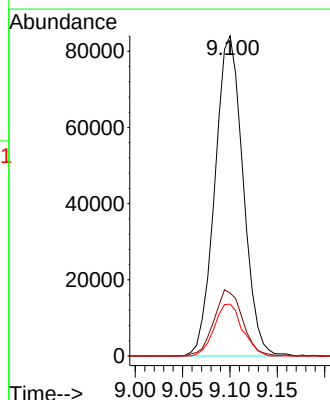
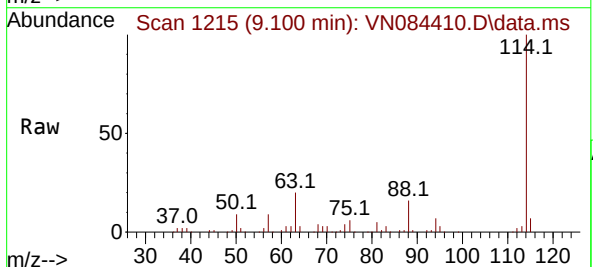
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Supervised By :Mahesh  
Dadoda

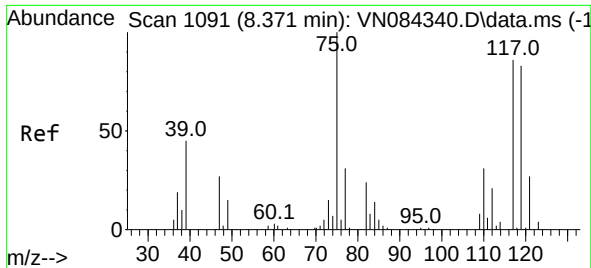
10/15/2024



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.100 min Scan# 1215  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion:114 Resp: 173563  
Ion Ratio Lower Upper  
114 100  
63 20.9 17.4 26.0  
88 16.2 13.2 19.8





#29  
1,1-Dichloropropene  
Concen: 18.409 ug/l  
RT: 8.371 min Scan# 1091  
Delta R.T. -0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Instrument :

MSVOA\_N

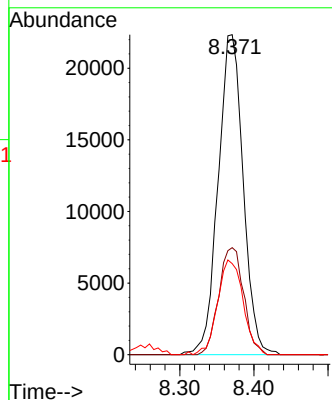
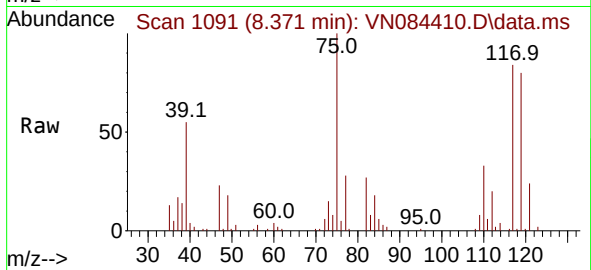
ClientSampleId :

VSTDCCC020EC

Tgt Ion: 75 Resp: 5245  
Ion Ratio Lower Upper  
75 100  
110 33.2 0.0 67.6  
77 30.2 0.0 61.4

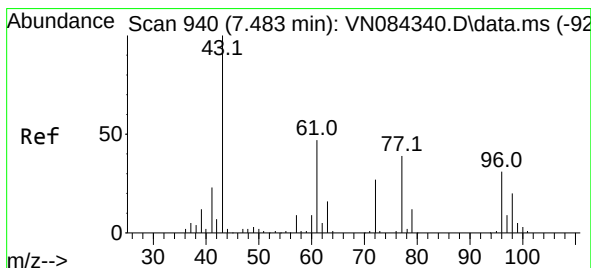
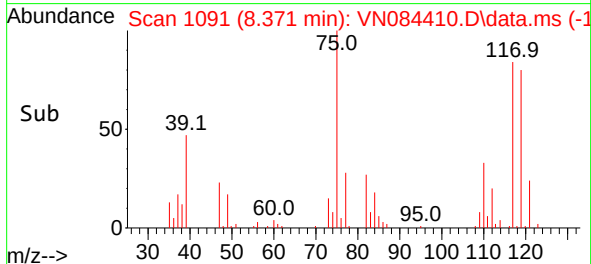
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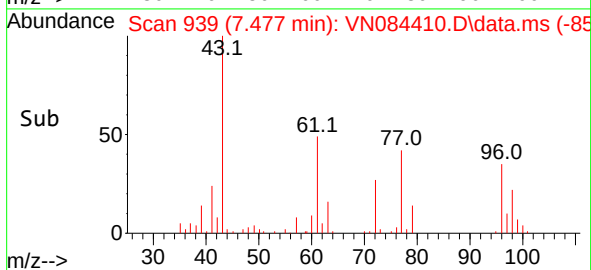
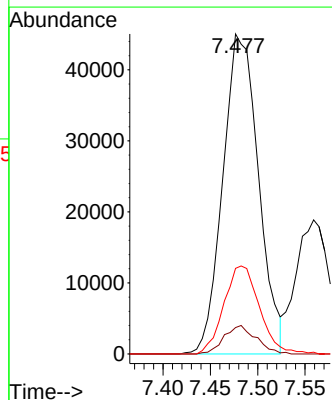
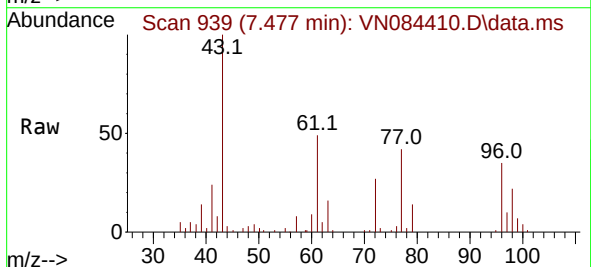
10/15/2024  
Supervised By :Mahesh  
Dadoda

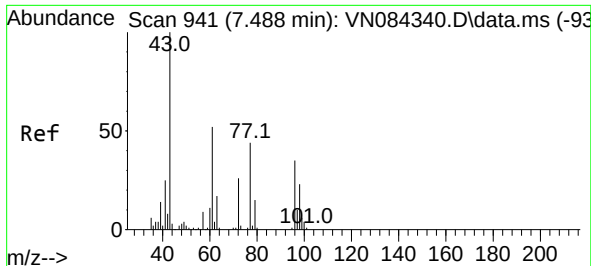
10/15/2024



#30  
2-Butanone  
Concen: 77.837 ug/l  
RT: 7.477 min Scan# 939  
Delta R.T. -0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion: 43 Resp: 118075  
Ion Ratio Lower Upper  
43 100  
57 8.0 6.6 9.8  
72 27.5 21.3 31.9





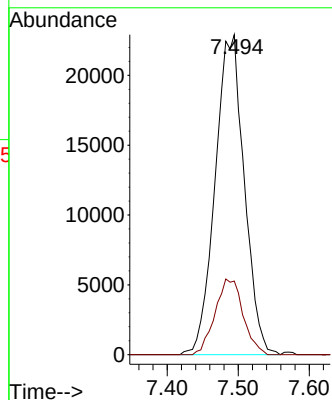
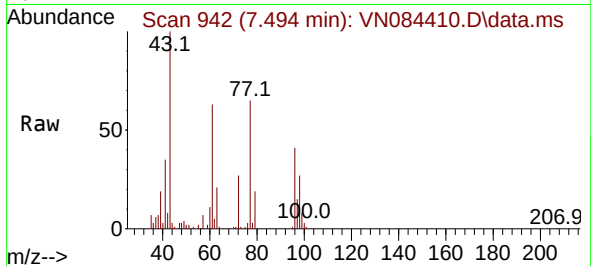
#31  
2,2-Dichloropropane  
Concen: 19.464 ug/l  
RT: 7.494 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

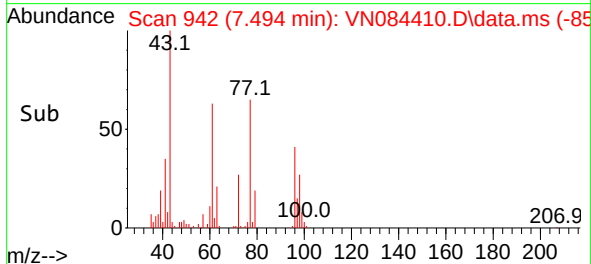
Tgt Ion: 77 Resp: 65168  
Ion Ratio Lower Upper  
77 100  
97 22.7 11.5 17.3

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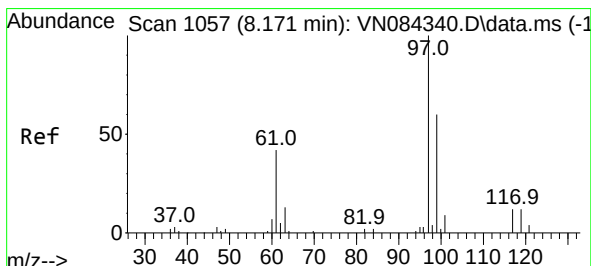
Reviewed By :John Carlone 10/15/2024  
Supervised By :Mahesh Dadoda 10/15/2024



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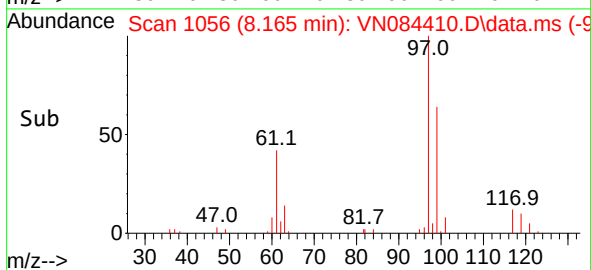
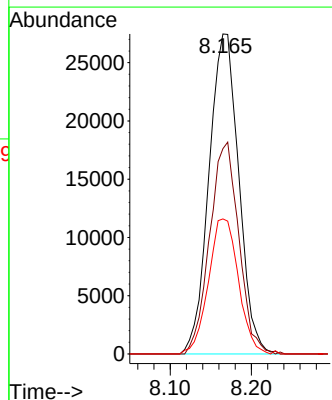
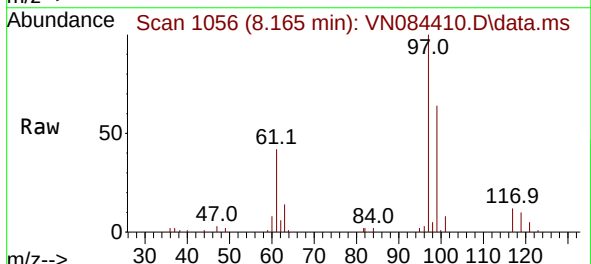


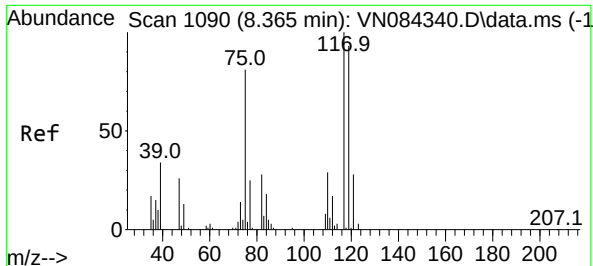
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#32  
1,1,1-Trichloroethane  
Concen: 19.235 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

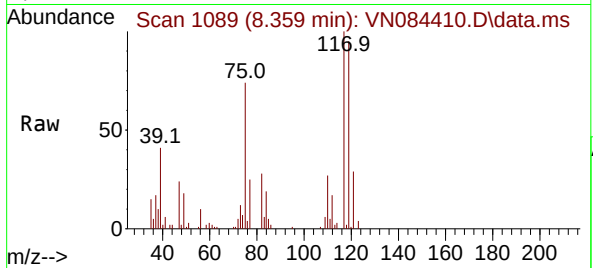
Tgt Ion: 97 Resp: 70049  
Ion Ratio Lower Upper  
97 100  
99 64.7 51.2 76.8  
61 42.4 34.1 51.1





#33  
Carbon Tetrachloride  
Concen: 18.237 ug/l  
RT: 8.359 min Scan# 1089  
Delta R.T. -0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

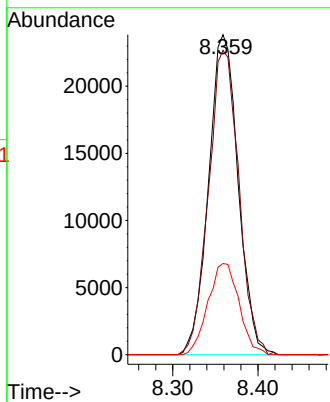
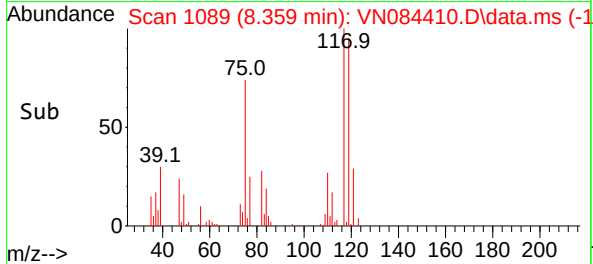
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 117 Resp: 57538  
Ion Ratio Lower Upper  
117 100  
119 95.1 74.3 111.5  
121 28.5 22.4 33.6

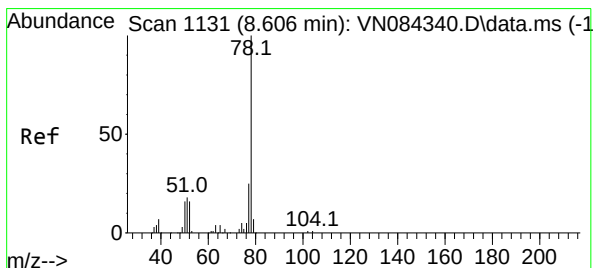
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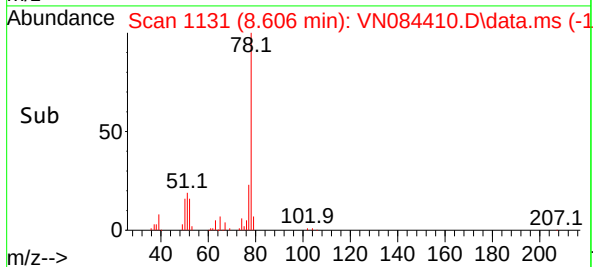
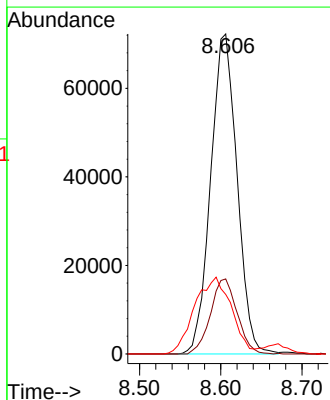
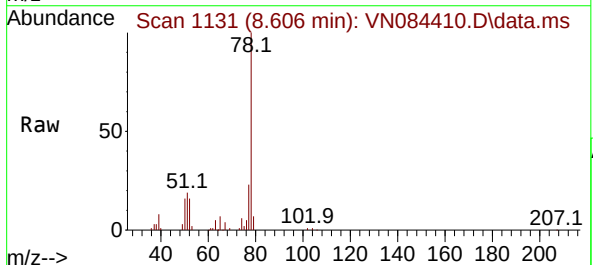
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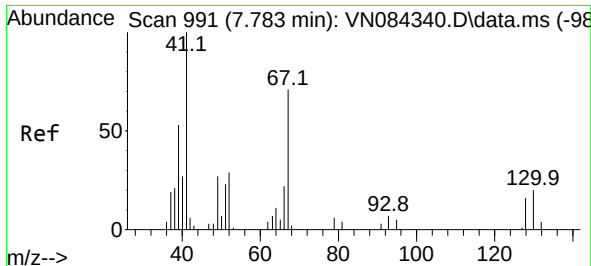
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#34  
Benzene  
Concen: 18.320 ug/l  
RT: 8.606 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion: 78 Resp: 163395  
Ion Ratio Lower Upper  
78 100  
77 23.5 19.6 29.4  
51 16.0 15.8 23.6





#35  
Methacrylonitrile  
Concen: 16.867 ug/l  
RT: 7.771 min Scan# 911  
Delta R.T. -0.012 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Instrument :

MSVOA\_N

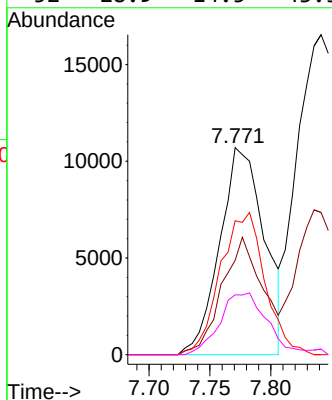
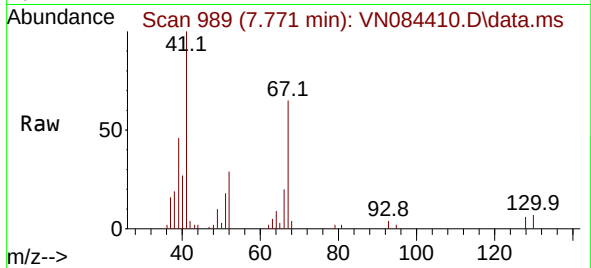
ClientSampleId :

VSTDCCC020EC

Tgt Ion: 41 Resp: 2729  
Ion Ratio Lower Upper  
41 100  
39 45.6 26.4 79.0  
67 64.7 35.7 107.1  
52 28.9 14.5 43.5

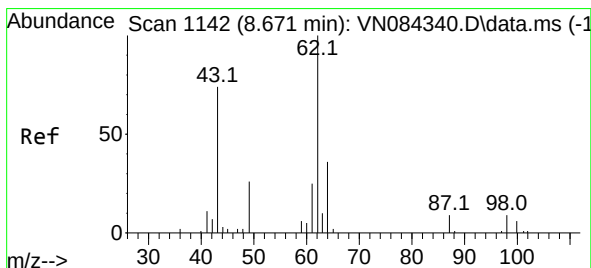
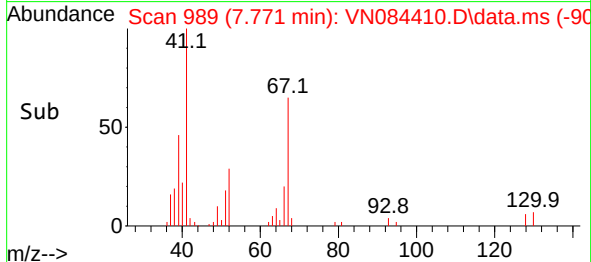
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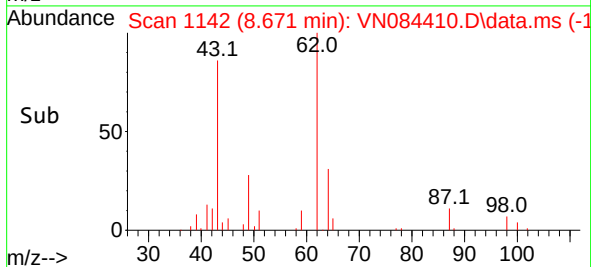
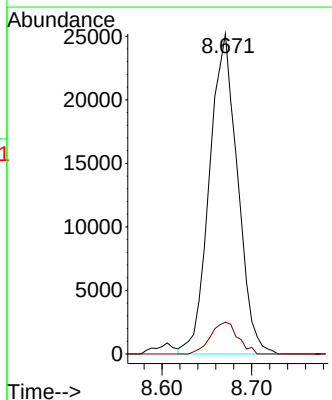
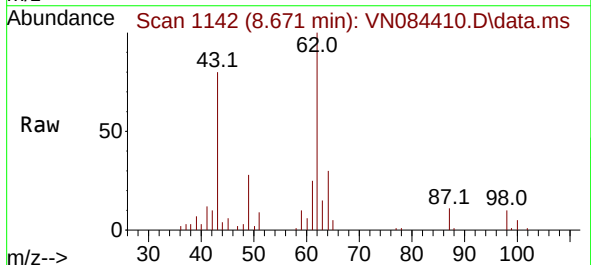
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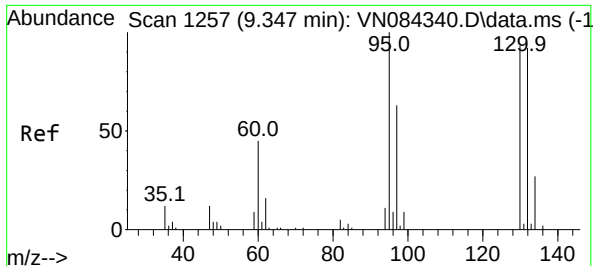
10/15/2024



#36  
1,2-Dichloroethane  
Concen: 18.443 ug/l  
RT: 8.671 min Scan# 1142  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

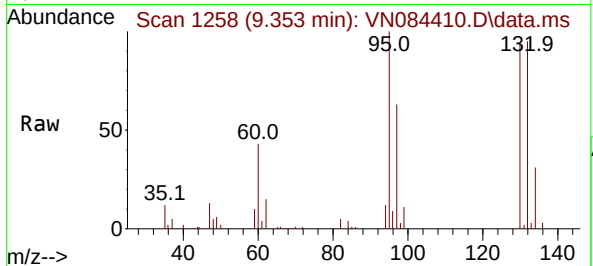
Tgt Ion: 62 Resp: 54828  
Ion Ratio Lower Upper  
62 100  
98 9.7 7.3 10.9





#37  
Trichloroethene  
Concen: 18.817 ug/l  
RT: 9.353 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

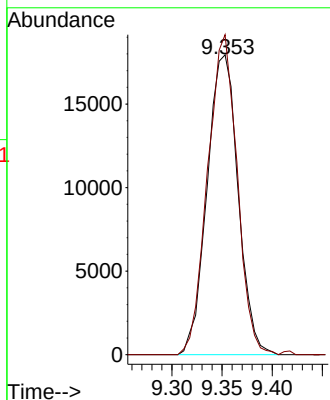
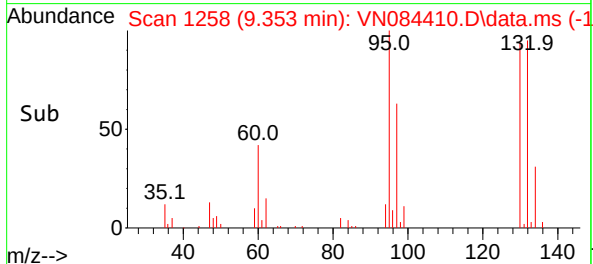
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:130 Resp: 3864  
Ion Ratio Lower Upper  
130 100  
95 106.7 85.8 128.6

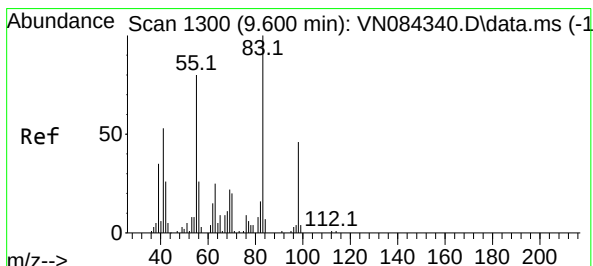
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Supervised By :Mahesh Dadoda 10/15/2024



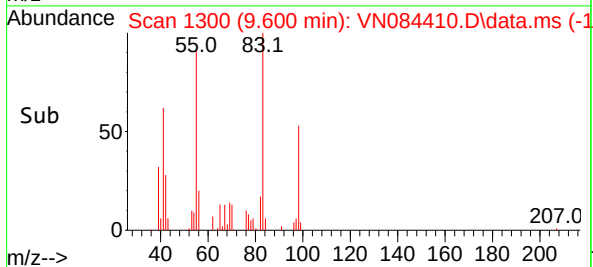
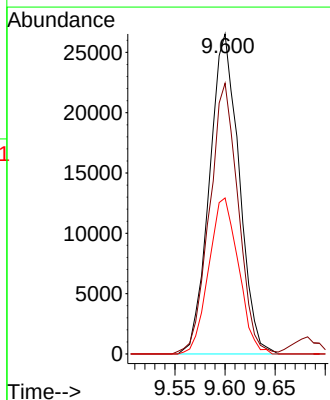
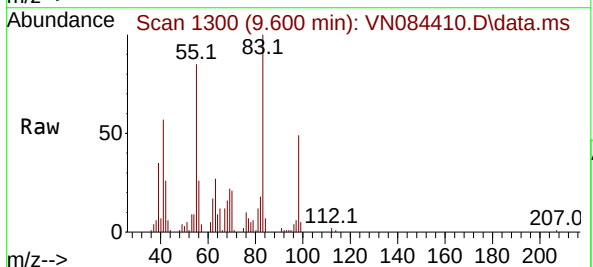
10/15/2024  
Supervised By :Mahesh  
Dadoda

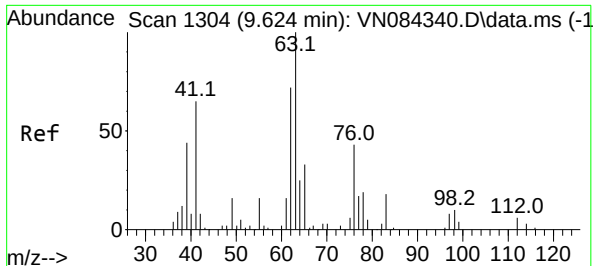
10/15/2024



#38  
Methylcyclohexane  
Concen: 17.373 ug/l  
RT: 9.600 min Scan# 1300  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion: 83 Resp: 54370  
Ion Ratio Lower Upper  
83 100  
55 82.1 39.3 117.8  
98 48.8 24.0 72.0





#39

1,2-Dichloropropane

Concen: 18.713 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.006 min

Lab File: VN084410.D

Acq: 14 Oct 2024 16:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 40699

Ion Ratio Lower Upper

63 100

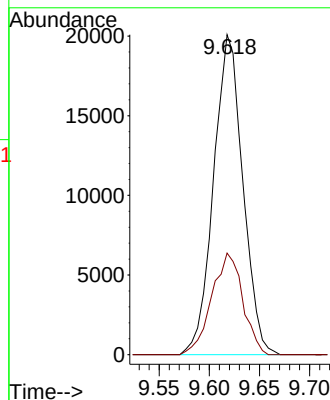
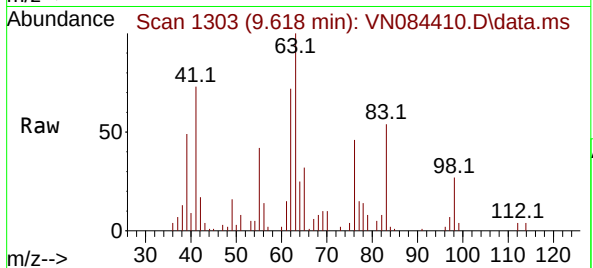
65 31.7 26.3 39.5

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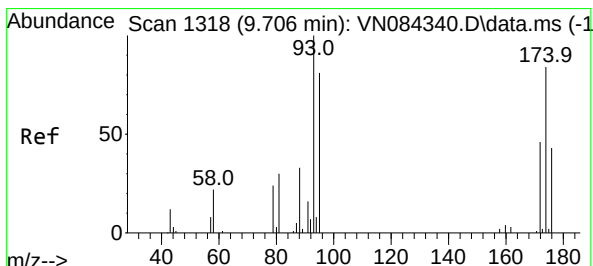
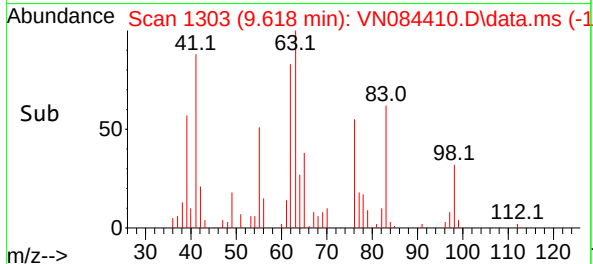
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10/15/2024

Supervised By :Mahesh Dadoda

10/15/2024



#40

Dibromomethane

Concen: 18.107 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN084410.D

Acq: 14 Oct 2024 16:06

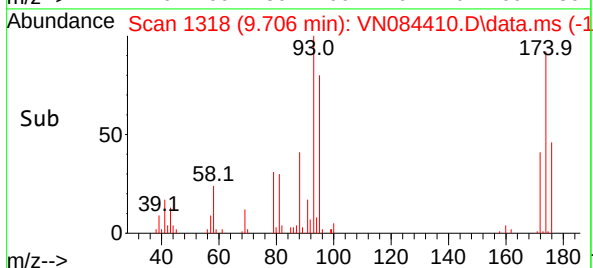
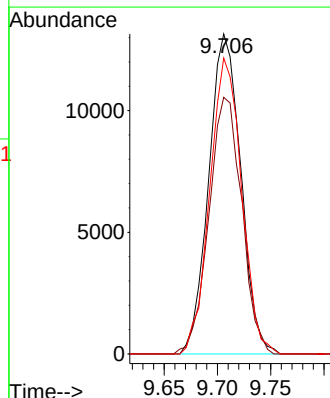
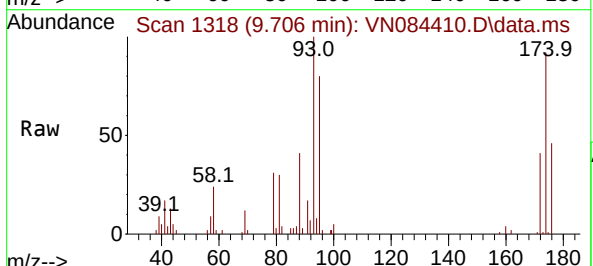
Tgt Ion: 93 Resp: 27523

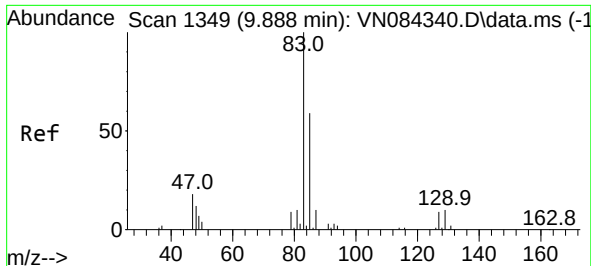
Ion Ratio Lower Upper

93 100

95 81.9 0.0 171.4

174 91.9 0.0 183.0





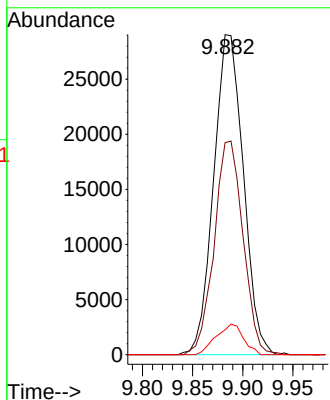
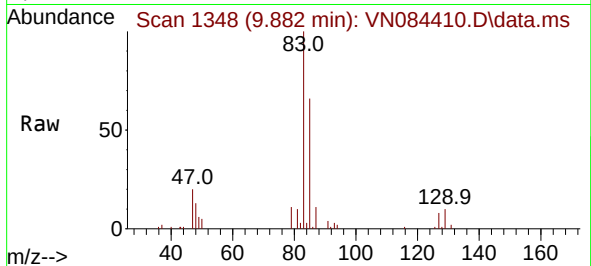
#41  
Bromodichloromethane  
Concen: 18.490 ug/l  
RT: 9.882 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDC020EC

Tgt Ion: 83 Resp: 5966  
Ion Ratio Lower Upper  
83 100  
85 66.3 47.1 70.7  
127 7.7 7.1 10.7

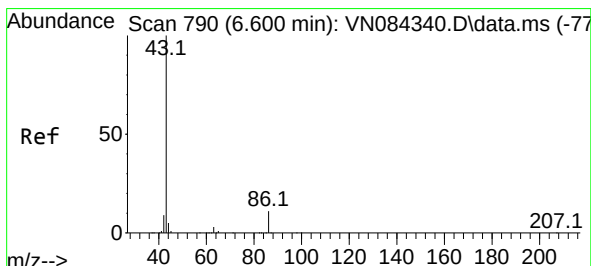
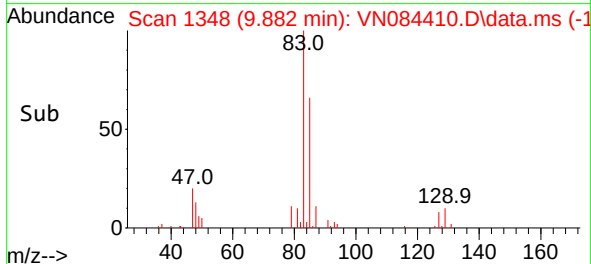
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Supervised By :Mahesh Dadoda 10/15/2024



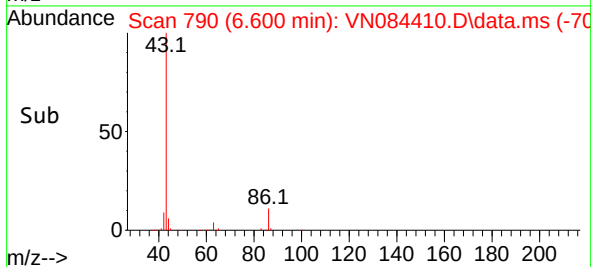
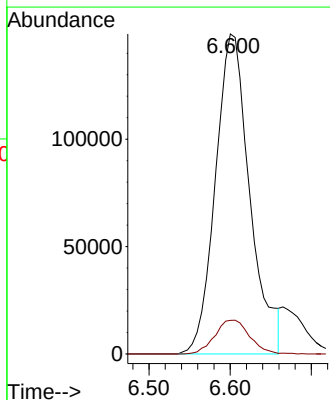
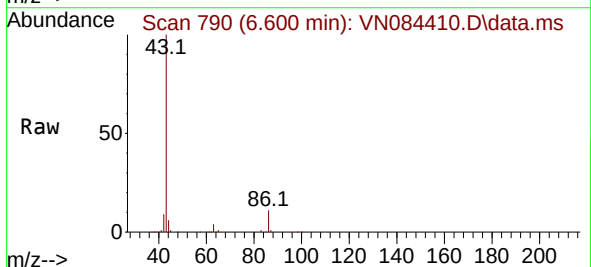
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Dadoda

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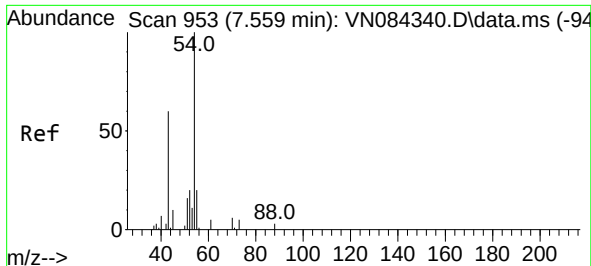


#42  
Vinyl Acetate  
Concen: 83.286 ug/l  
RT: 6.600 min Scan# 790  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion: 43 Resp: 439405  
Ion Ratio Lower Upper  
43 100  
86 10.6 8.5 12.7

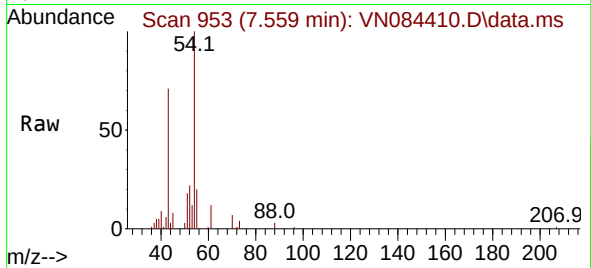






#43  
Ethyl Acetate  
Concen: 15.442 ug/l  
RT: 7.559 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

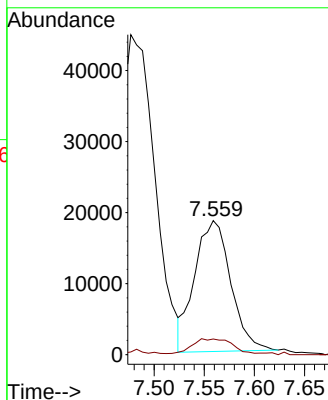
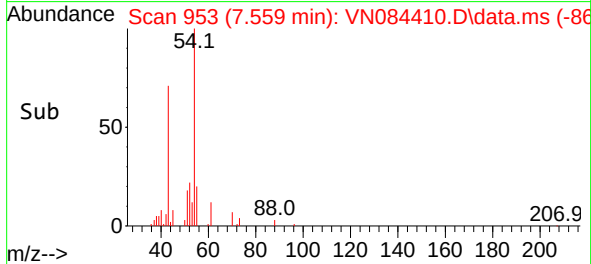
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 43 Resp: 46198  
Ion Ratio Lower Upper  
43 100  
45 5.3 10.6 16.0

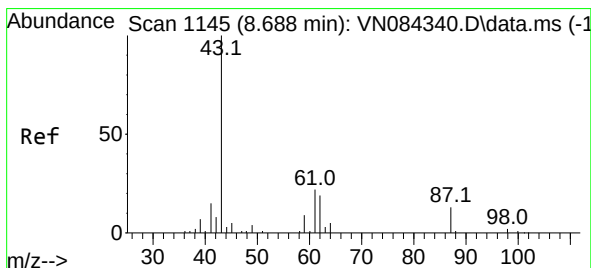
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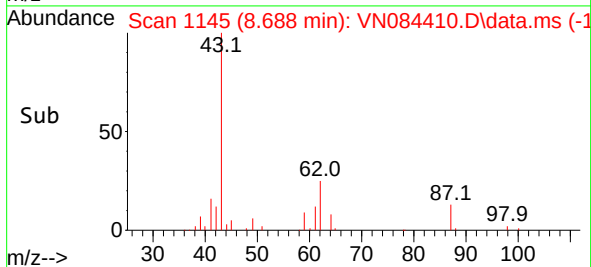
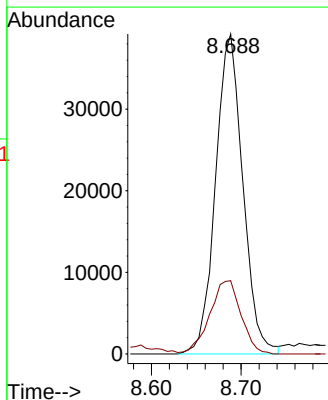
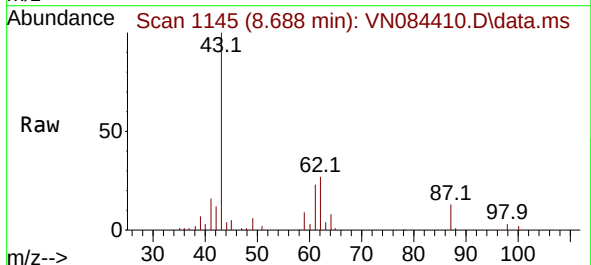
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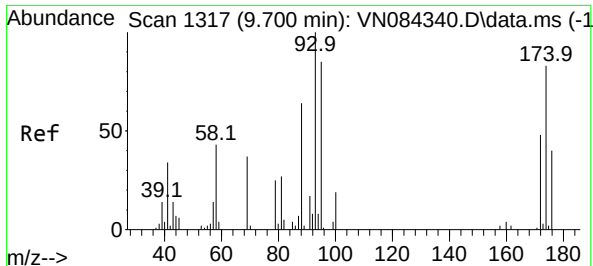
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#44  
Isopropyl Acetate  
Concen: 16.905 ug/l  
RT: 8.688 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion: 43 Resp: 82777  
Ion Ratio Lower Upper  
43 100  
61 26.3 21.4 32.2





#45  
 1,4-Dioxane  
 Concen: 322.753 ug/l  
 RT: 9.700 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VN084410.D  
 Acq: 14 Oct 2024 16:06

Instrument :

MSVOA\_N

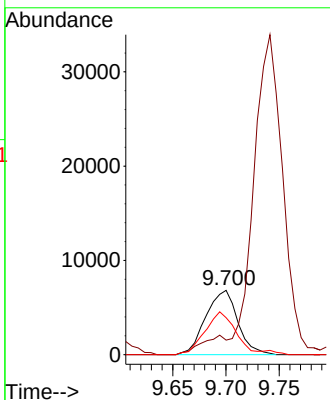
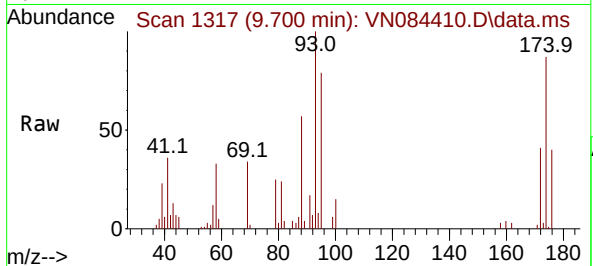
ClientSampleId :

VSTDCCC020EC

Tgt Ion: 88 Resp: 1424  
 Ion Ratio Lower Upper  
 88 100  
 43 23.3 22.4 33.6  
 58 63.3 59.7 89.5

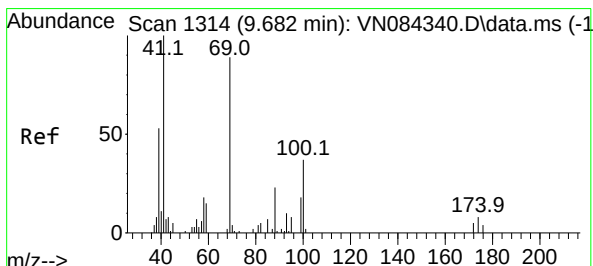
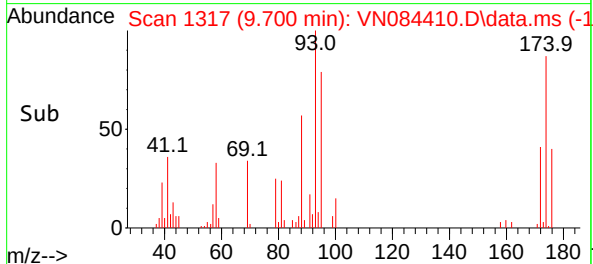
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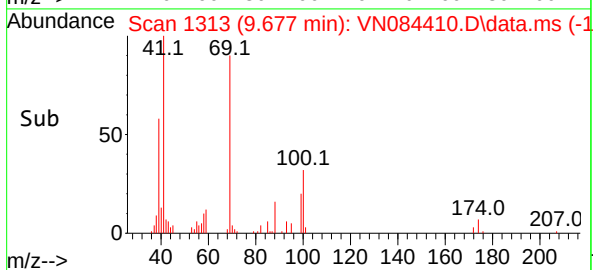
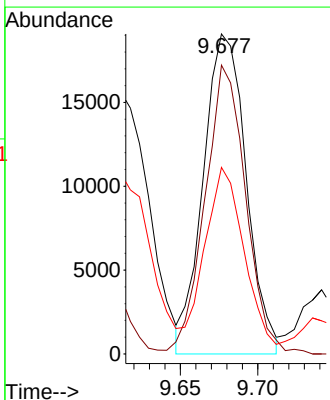
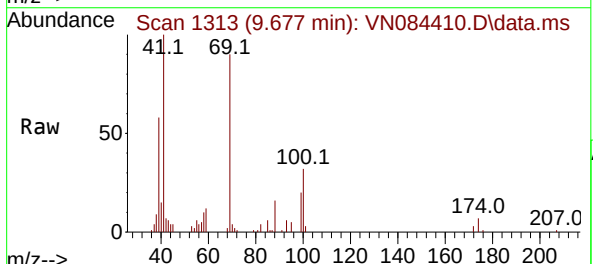
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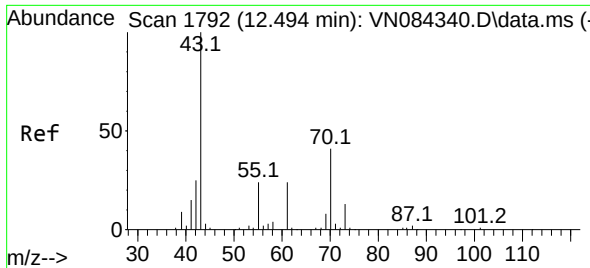
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#46  
 Methyl methacrylate  
 Concen: 15.523 ug/l  
 RT: 9.677 min Scan# 1313  
 Delta R.T. -0.006 min  
 Lab File: VN084410.D  
 Acq: 14 Oct 2024 16:06

Tgt Ion: 41 Resp: 36727  
 Ion Ratio Lower Upper  
 41 100  
 69 91.2 42.6 128.0  
 39 58.3 27.5 82.4





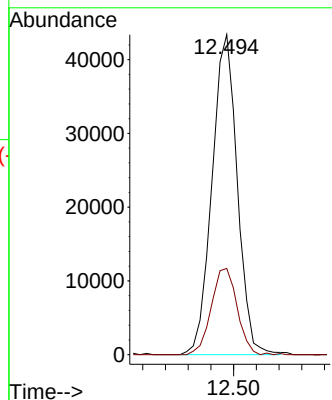
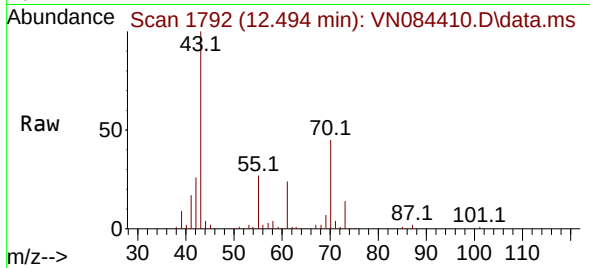
#47  
n-amyl acetate  
Concen: 15.396 ug/l  
RT: 12.494 min Scan# 1792  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 43 Resp: 67058  
Ion Ratio Lower Upper  
43 100  
55 27.4 20.6 31.0

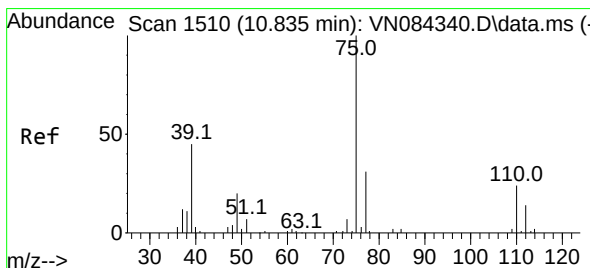
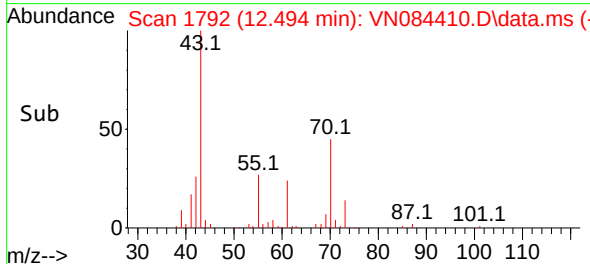
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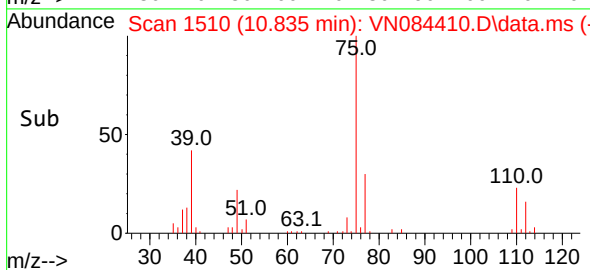
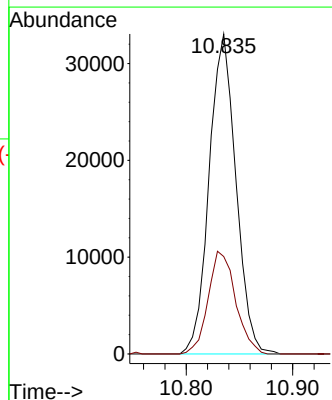
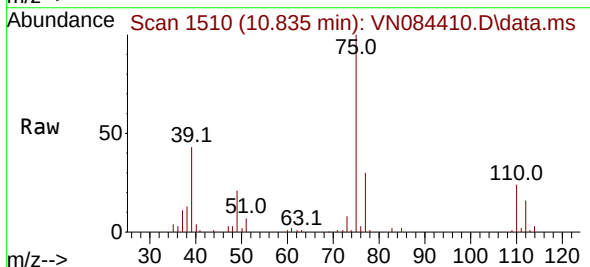
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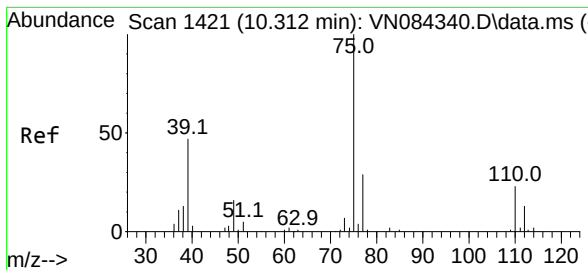
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#48  
t-1,3-Dichloropropene  
Concen: 17.293 ug/l  
RT: 10.835 min Scan# 1510  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion: 75 Resp: 57664  
Ion Ratio Lower Upper  
75 100  
77 30.5 24.6 37.0





#49  
 cis-1,3-Dichloropropene  
 Concen: 18.247 ug/l  
 RT: 10.312 min Scan# 1421  
 Delta R.T. -0.000 min  
 Lab File: VN084410.D  
 Acq: 14 Oct 2024 16:06

Instrument :

MSVOA\_N

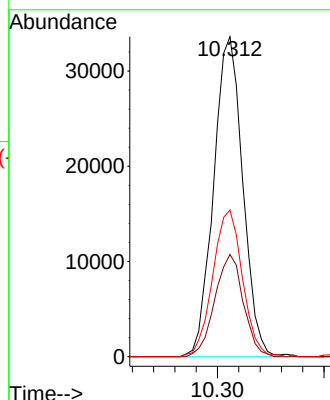
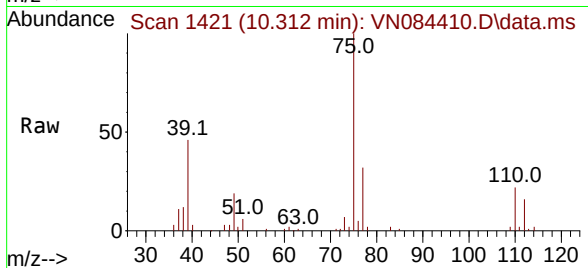
ClientSampleId :

VSTDCCC020EC

Tgt Ion: 75 Resp: 63760  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 22.9 34.3  
 39 45.8 37.4 56.2

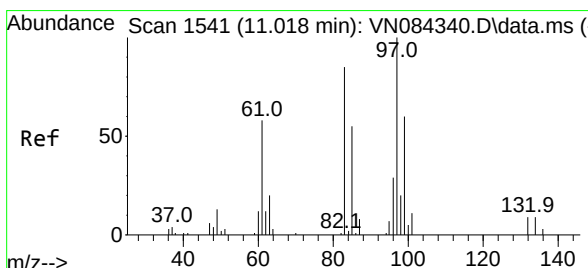
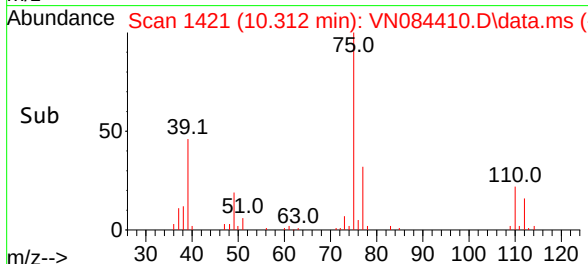
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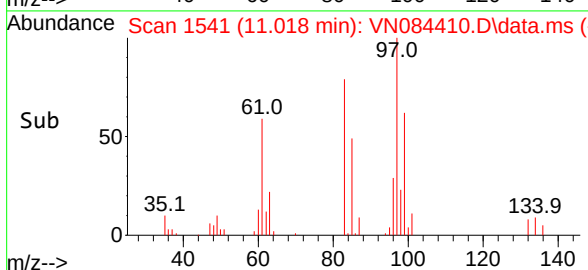
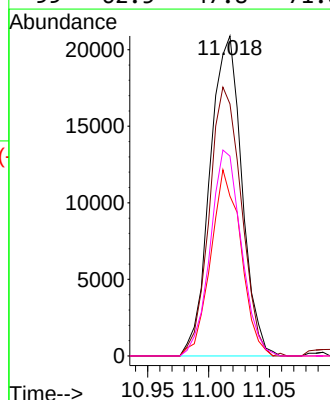
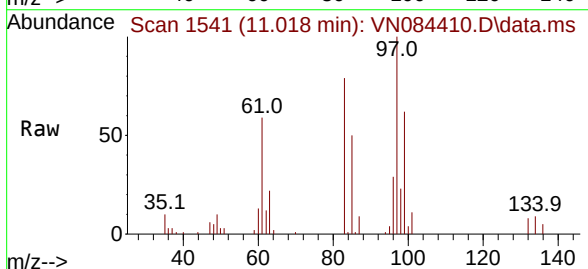
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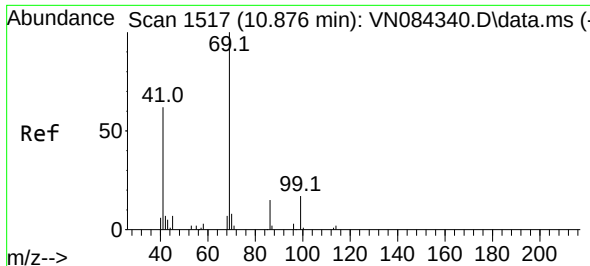
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#50  
 1,1,2-Trichloroethane  
 Concen: 18.655 ug/l  
 RT: 11.018 min Scan# 1541  
 Delta R.T. -0.000 min  
 Lab File: VN084410.D  
 Acq: 14 Oct 2024 16:06

Tgt Ion: 97 Resp: 38114  
 Ion Ratio Lower Upper  
 97 100  
 83 78.8 67.8 101.8  
 85 49.9 44.2 66.2  
 99 62.5 47.8 71.8





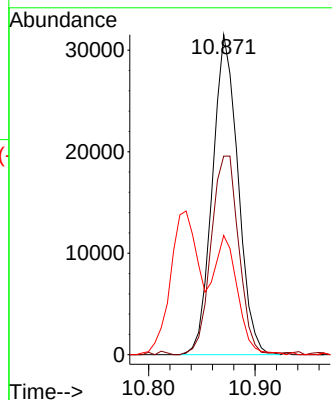
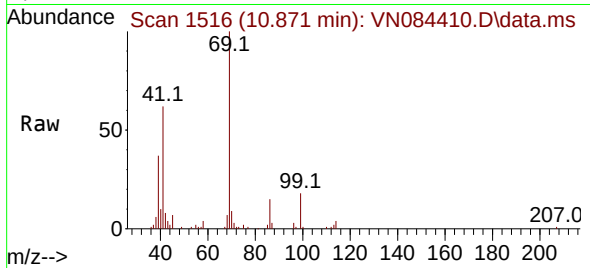
#51  
Ethyl methacrylate  
Concen: 15.573 ug/l  
RT: 10.871 min Scan# 1517  
Delta R.T. -0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 69 Resp: 52550  
Ion Ratio Lower Upper  
69 100  
41 62.0 30.9 92.7  
39 36.7 16.6 49.7

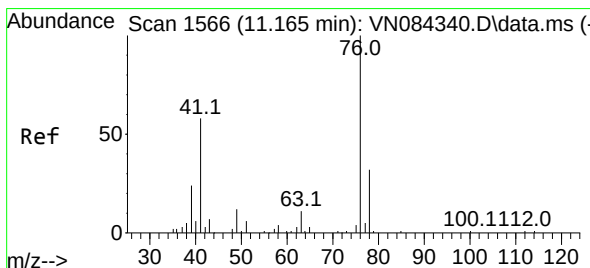
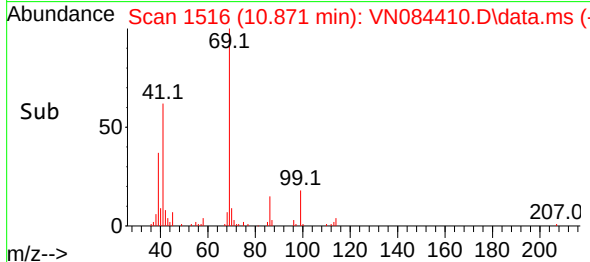
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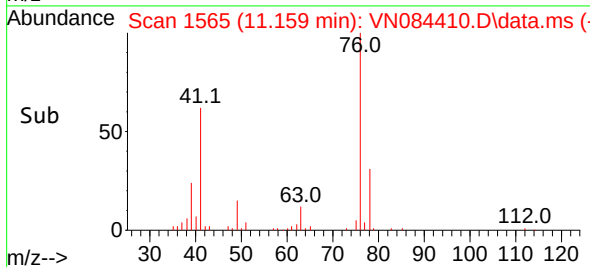
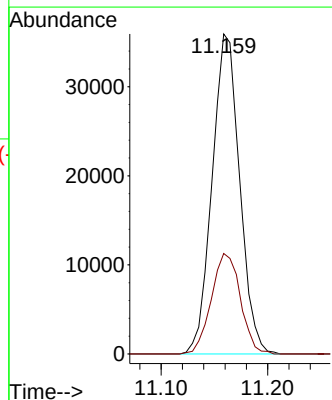
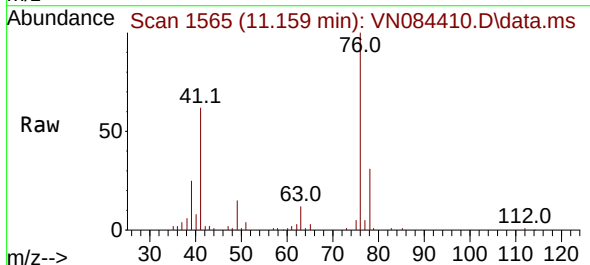
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Supervised By :Mahesh  
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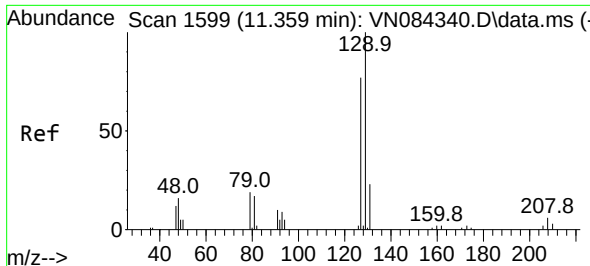
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#52  
1,3-Dichloropropane  
Concen: 18.037 ug/l  
RT: 11.159 min Scan# 1565  
Delta R.T. -0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

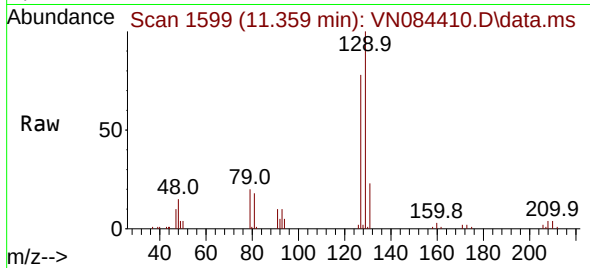
Tgt Ion: 76 Resp: 64436  
Ion Ratio Lower Upper  
76 100  
78 33.1 0.0 64.2





#53  
Dibromochloromethane  
Concen: 18.067 ug/l  
RT: 11.359 min Scan# 1599  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

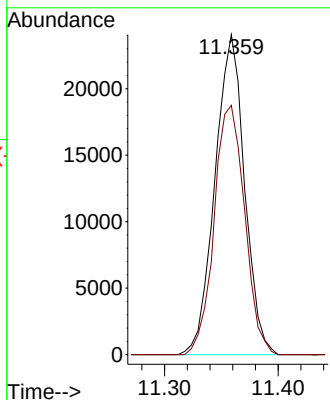
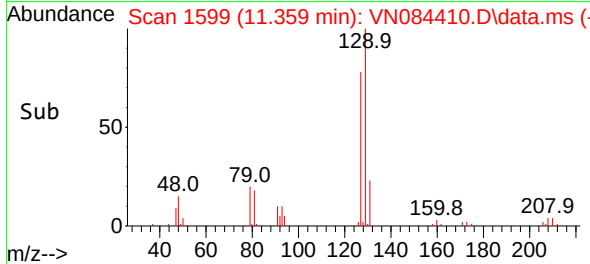
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:129 Resp: 43600  
Ion Ratio Lower Upper  
129 100  
127 80.3 38.5 115.5

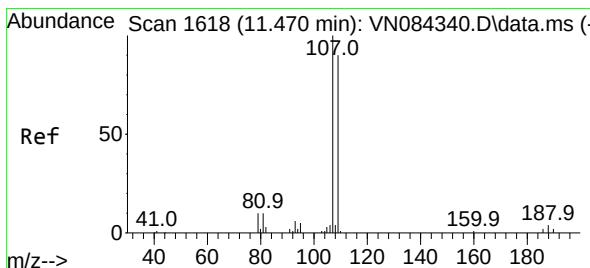
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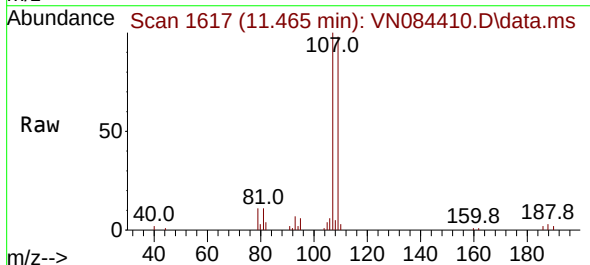


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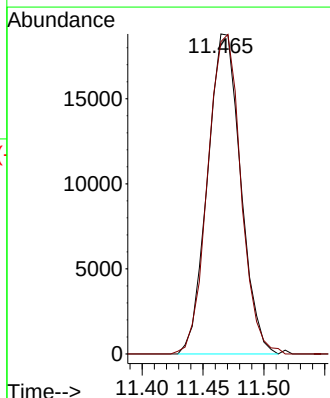
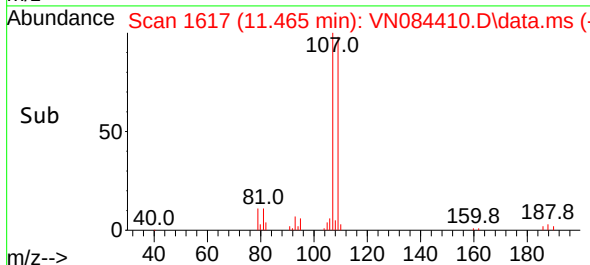
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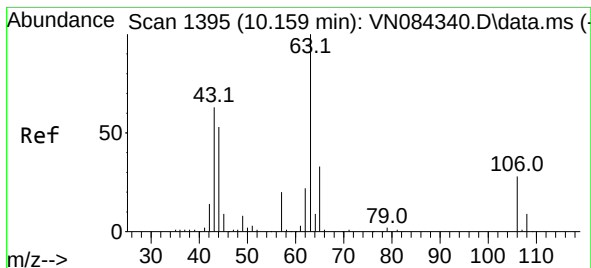


#54  
1,2-Dibromoethane  
Concen: 16.936 ug/l  
RT: 11.465 min Scan# 1617  
Delta R.T. -0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06



Tgt Ion:107 Resp: 35617  
Ion Ratio Lower Upper  
107 100  
109 99.6 73.8 110.6





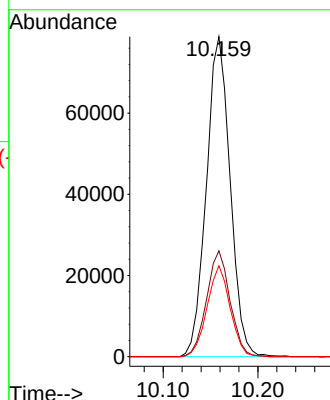
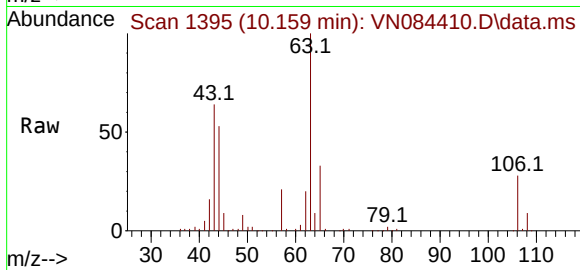
#55  
2-Chloroethyl vinyl ether  
Concen: 89.882 ug/l  
RT: 10.159 min Scan# 1395  
Delta R.T. -0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 63 Resp: 137579  
Ion Ratio Lower Upper  
63 100  
65 32.6 25.6 38.4  
106 27.5 21.6 32.4

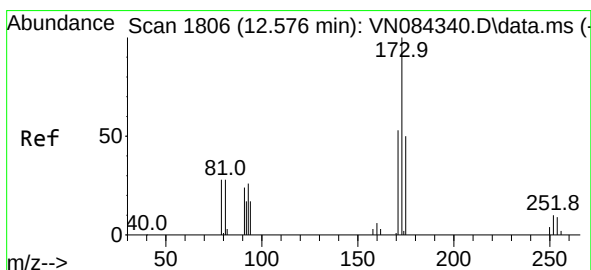
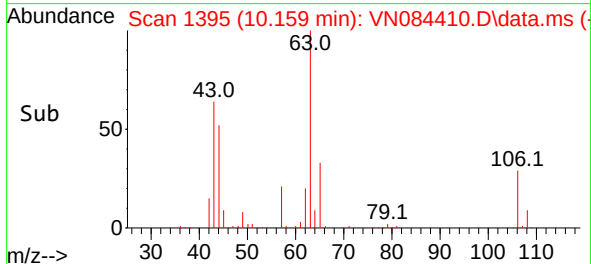
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Supervised By :Mahesh Dadoda 10/15/2024



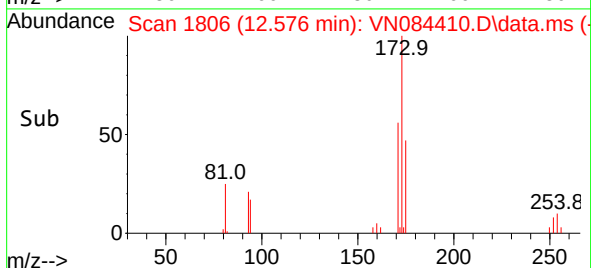
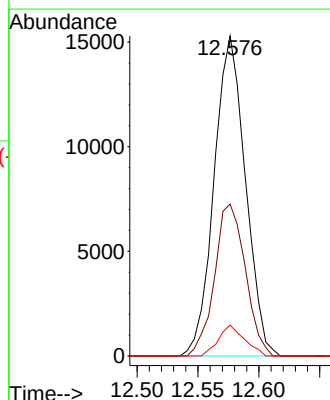
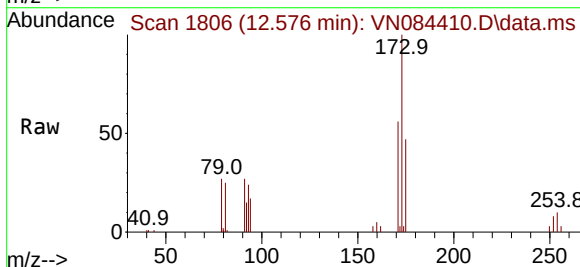
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Supervised By :Mahesh  
Dadoda

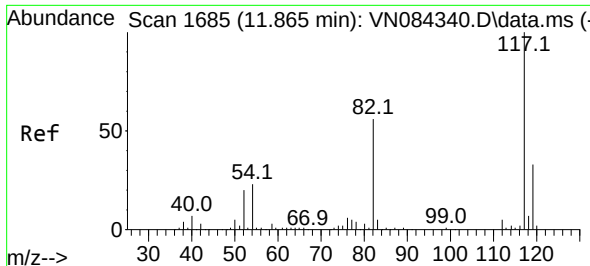
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#56  
Bromoform  
Concen: 17.098 ug/l  
RT: 12.576 min Scan# 1806  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

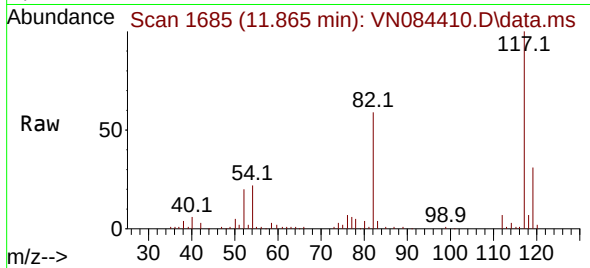
Tgt Ion:173 Resp: 27370  
Ion Ratio Lower Upper  
173 100  
175 46.6 39.4 59.2  
254 8.0 6.8 10.2





#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

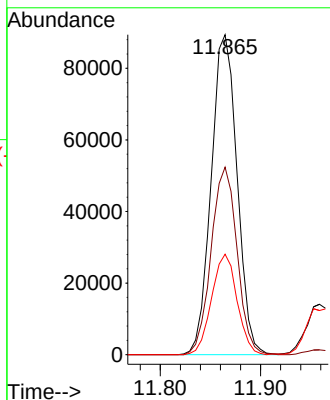
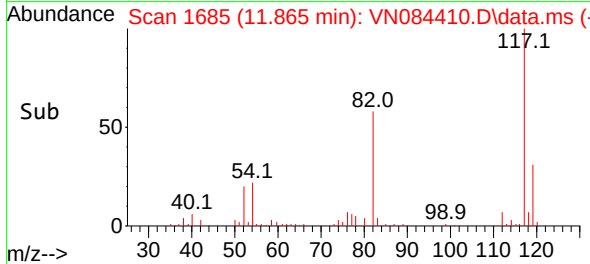
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 117 Resp: 160560  
Ion Ratio Lower Upper  
117 100  
82 58.6 46.2 69.4  
119 30.9 25.4 38.2

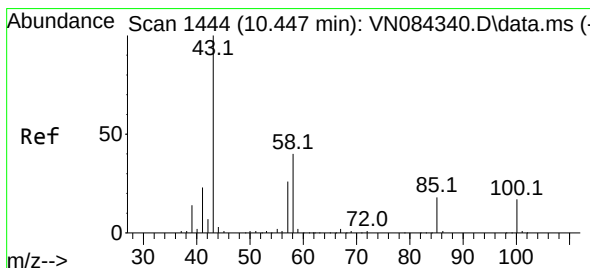
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Reviewed By :John Carlone 10/15/2024  
Supervised By :Mahesh Dadoda 10/15/2024



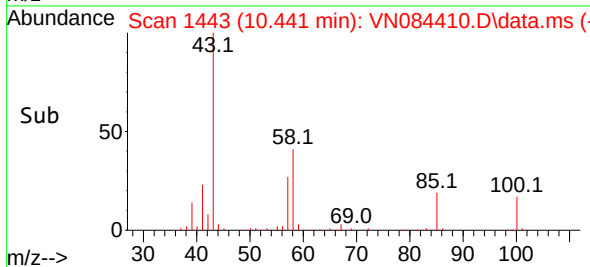
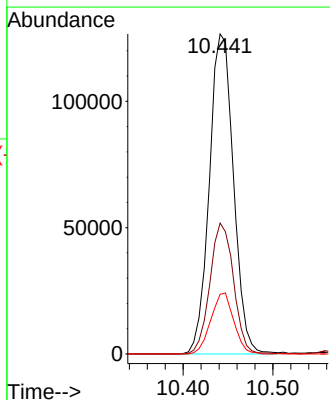
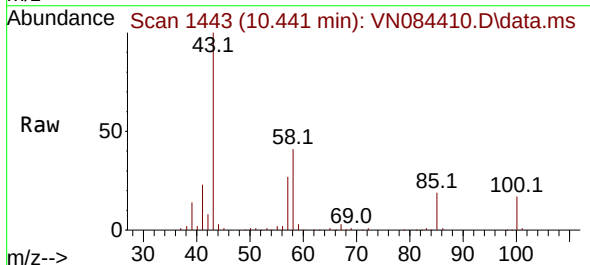
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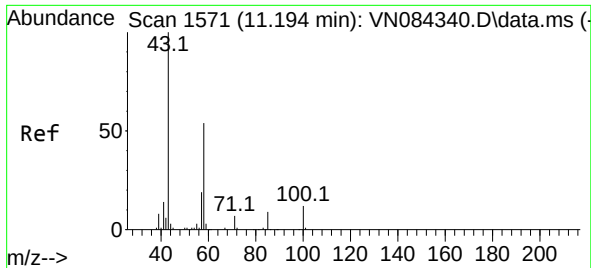


#58  
4-Methyl-2-Pentanone  
Concen: 79.259 ug/l  
RT: 10.441 min Scan# 1443  
Delta R.T. -0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion: 43 Resp: 237071  
Ion Ratio Lower Upper  
43 100  
58 40.0 31.9 47.9  
85 18.1 14.6 22.0

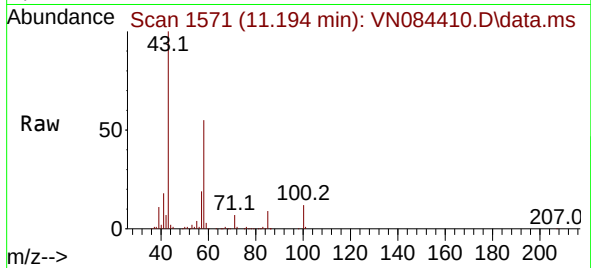






#59  
2-Hexanone  
Concen: 77.446 ug/l  
RT: 11.194 min Scan# 1571  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

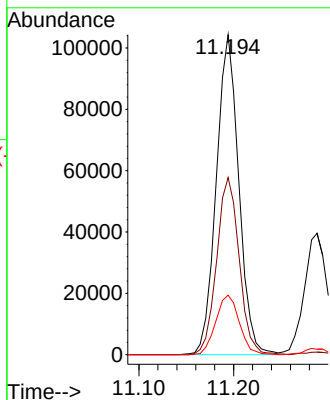
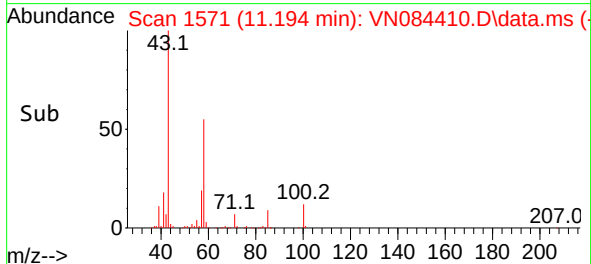
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 43 Resp: 17213  
Ion Ratio Lower Upper  
43 100  
58 55.3 44.0 66.0  
57 19.5 15.4 23.2

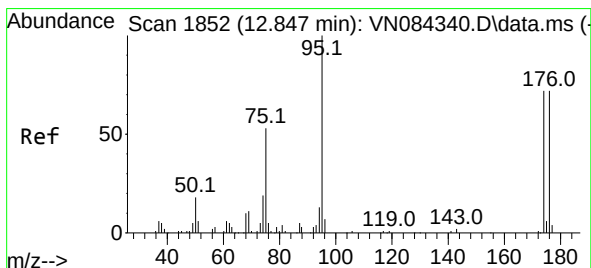
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Supervised By :Mahesh Dadoda 10/15/2024



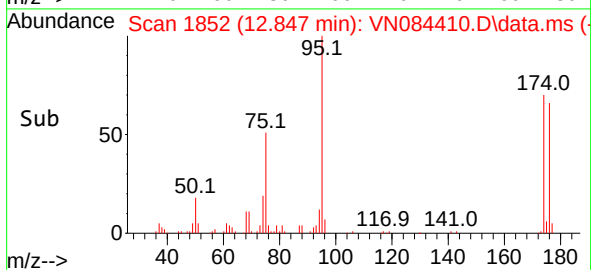
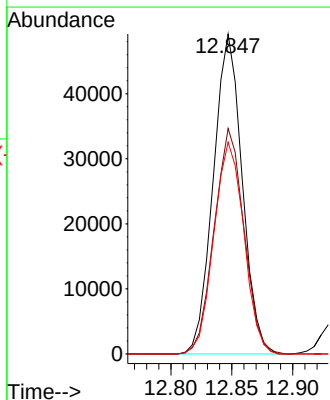
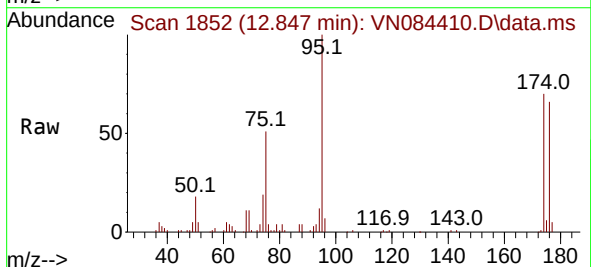
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Dadoda

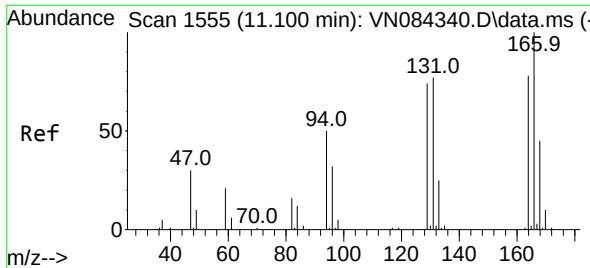
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#60  
4-Bromofluorobenzene  
Concen: 30.520 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion: 95 Resp: 80877  
Ion Ratio Lower Upper  
95 100  
174 72.8 58.2 87.2  
176 68.9 56.4 84.6





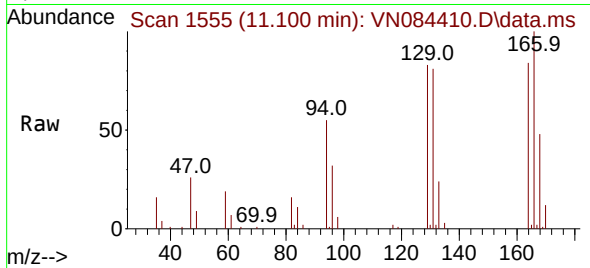
#61  
Tetrachloroethene  
Concen: 21.015 ug/l  
RT: 11.100 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC020EC



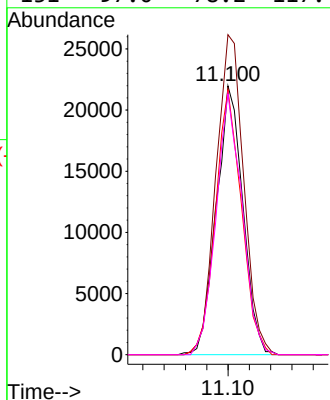
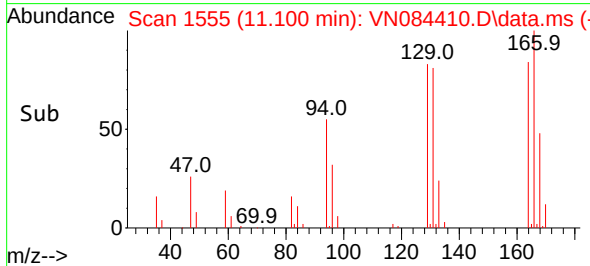
Tgt Ion:164 Resp: 3816  
Ion Ratio Lower Upper  
164 100  
166 119.1 102.5 153.7  
129 98.6 75.7 113.5  
131 97.0 78.2 117.4

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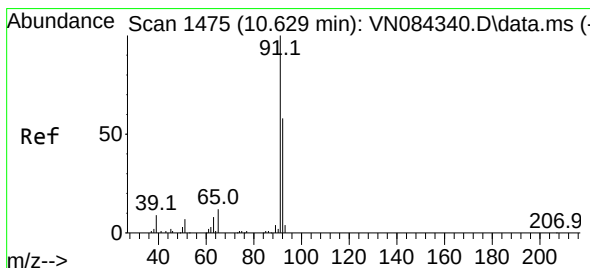
Supervised By :Mahesh Dadoda 10/15/2024



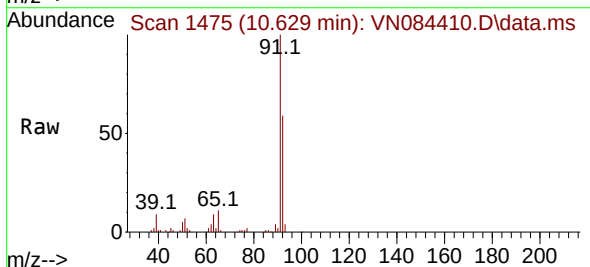
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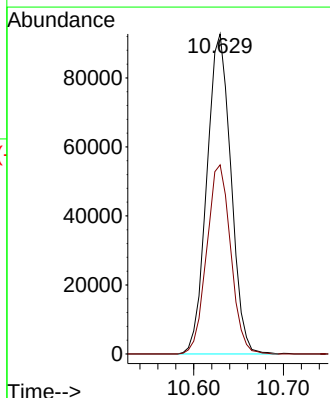
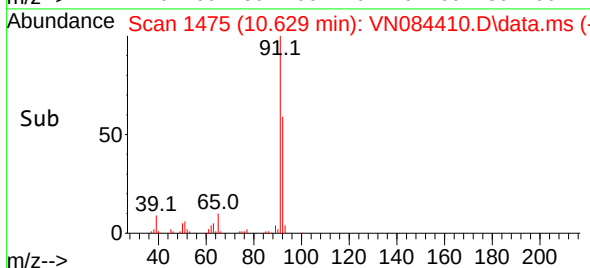
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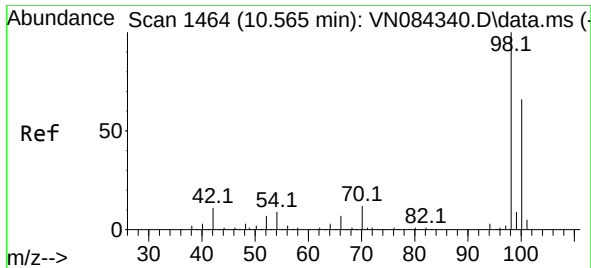


#62  
Toluene  
Concen: 18.409 ug/l  
RT: 10.629 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06



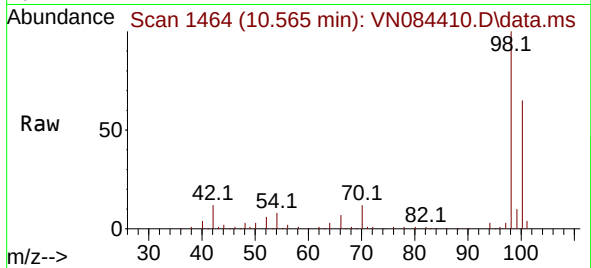
Tgt Ion: 91 Resp: 173041  
Ion Ratio Lower Upper  
91 100  
92 58.8 47.2 70.8





#63  
Toluene-d8  
Concen: 30.595 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

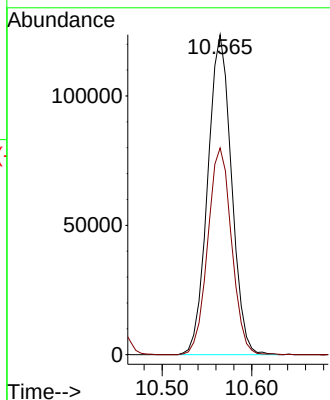
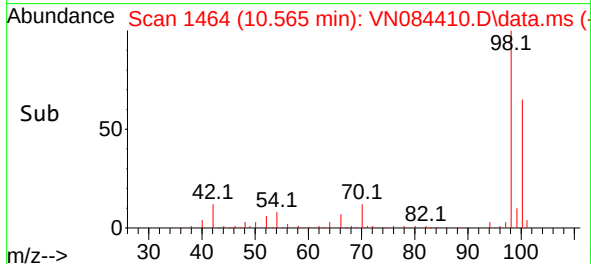
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 98 Resp: 227582  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.5 78.7

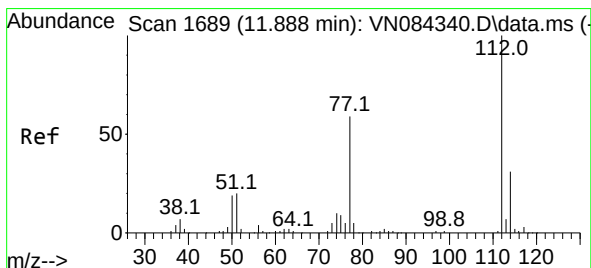
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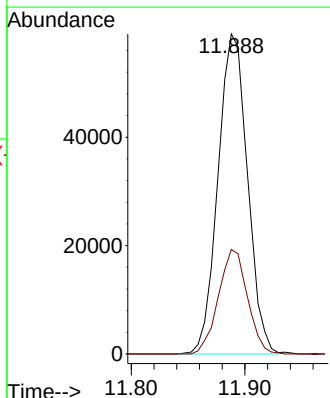
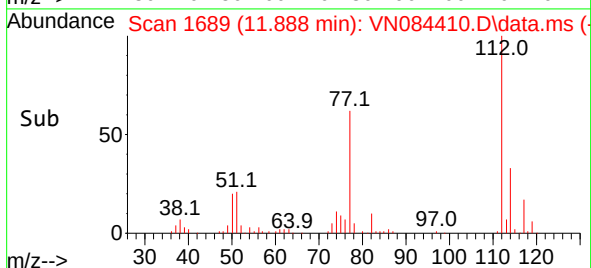
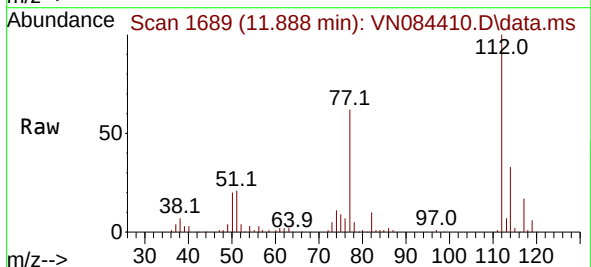
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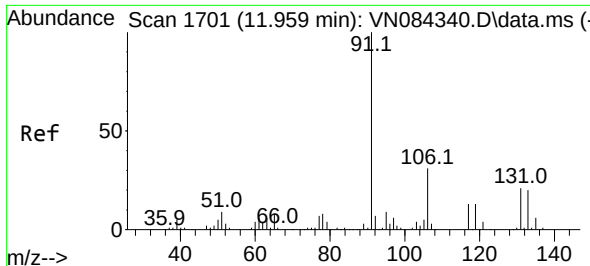
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#64  
Chlorobenzene  
Concen: 18.211 ug/l  
RT: 11.888 min Scan# 1689  
Delta R.T. -0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion:112 Resp: 106524  
Ion Ratio Lower Upper  
112 100  
114 32.7 25.1 37.7





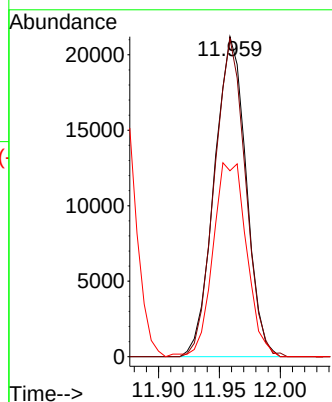
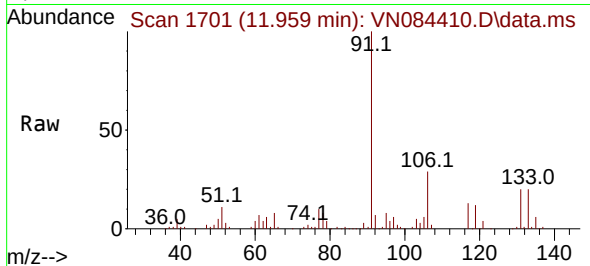
#65  
1,1,1,2-Tetrachloroethane  
Concen: 18.937 ug/l  
RT: 11.959 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:131 Resp: 3848  
Ion Ratio Lower Upper  
131 100  
133 97.1 0.0 190.4  
119 63.5 0.0 130.0

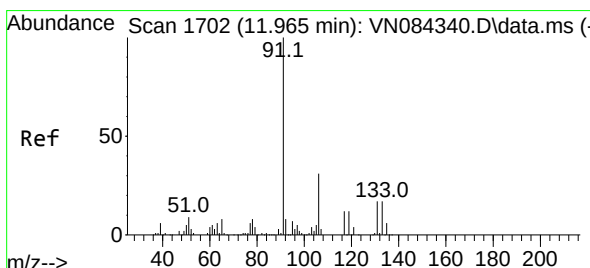
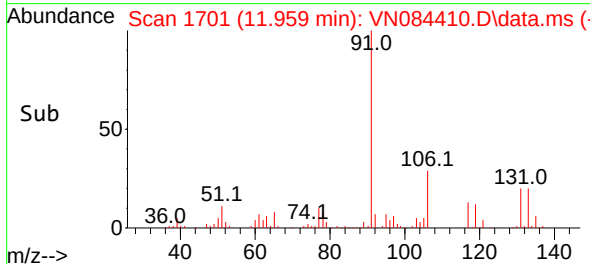
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Supervised By :Mahesh Dadoda 10/15/2024



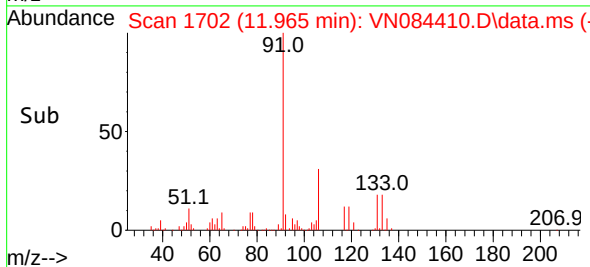
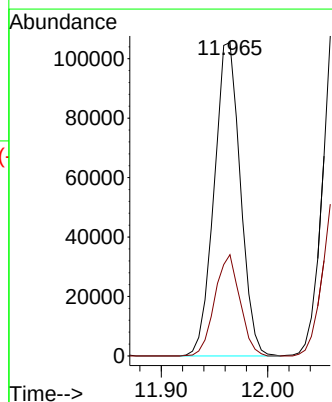
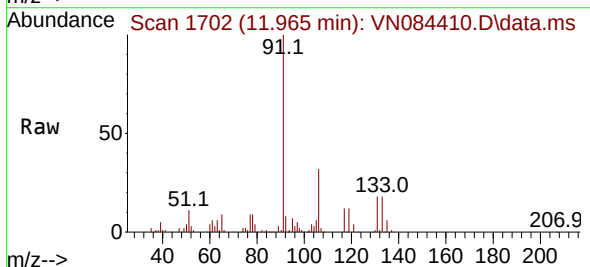
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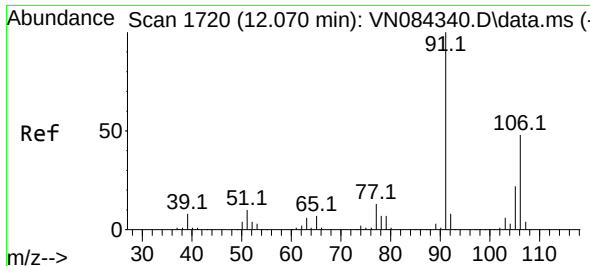
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#66  
Ethyl Benzene  
Concen: 17.639 ug/l  
RT: 11.965 min Scan# 1702  
Delta R.T. -0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion: 91 Resp: 180142  
Ion Ratio Lower Upper  
91 100  
106 32.3 25.2 37.8





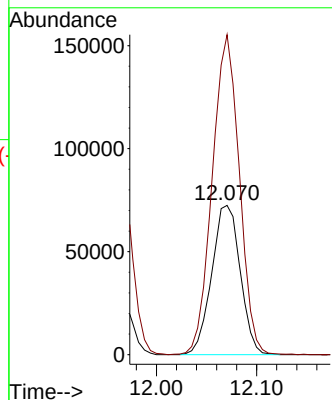
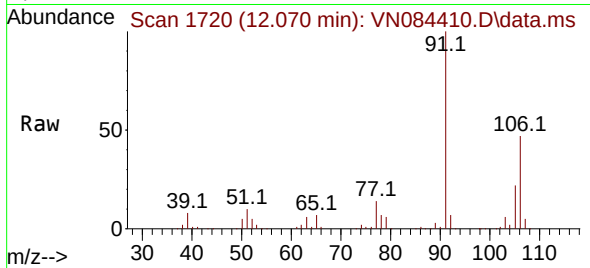
#67  
m/p-Xylenes  
Concen: 36.977 ug/l  
RT: 12.070 min Scan# 1720  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:106 Resp: 143254  
Ion Ratio Lower Upper  
106 100  
91 203.8 166.7 250.1

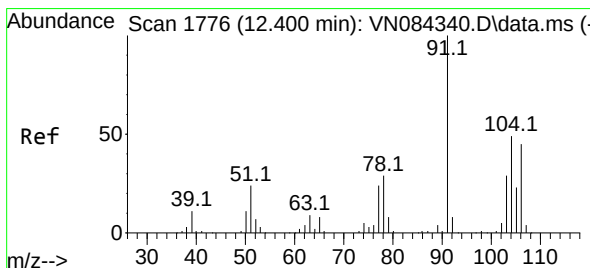
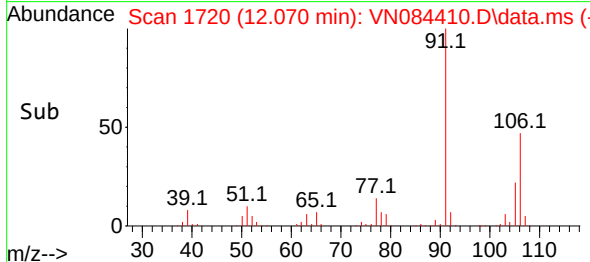
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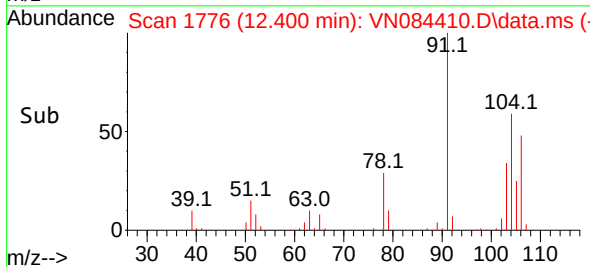
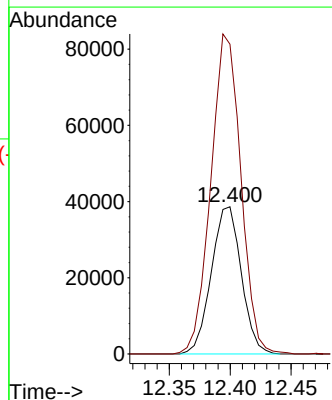
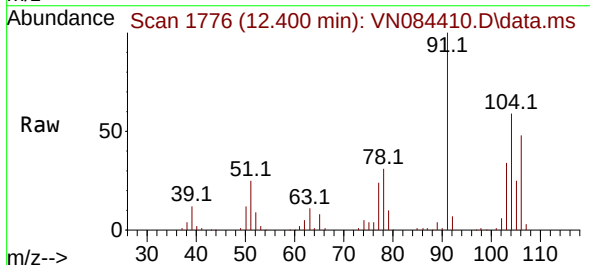
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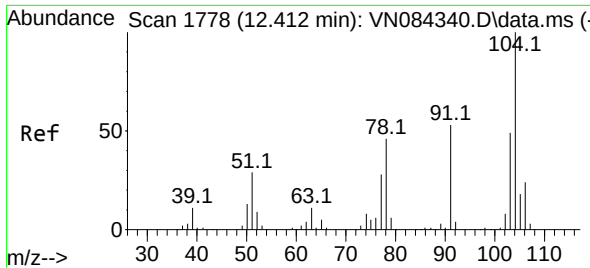
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#68  
o-Xylene  
Concen: 17.741 ug/l  
RT: 12.400 min Scan# 1776  
Delta R.T. -0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

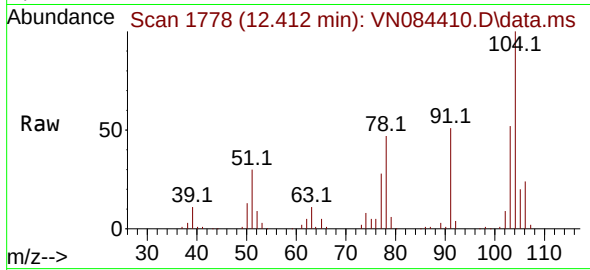
Tgt Ion:106 Resp: 66248  
Ion Ratio Lower Upper  
106 100  
91 217.8 110.9 332.9





#69  
Styrene  
Concen: 17.523 ug/l  
RT: 12.412 min Scan# 11233  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

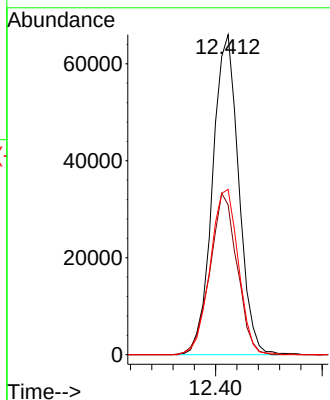
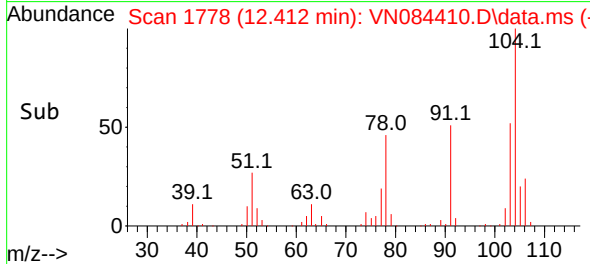
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:104 Resp: 11233  
Ion Ratio Lower Upper  
104 100  
78 52.4 41.6 62.4  
103 55.7 44.4 66.6

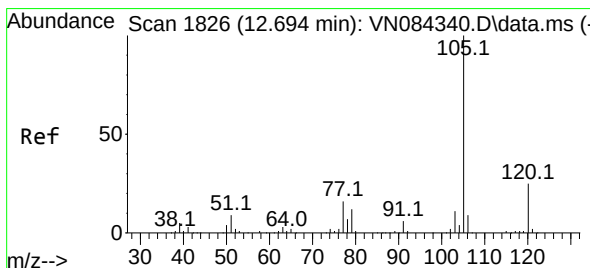
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Supervised By :Mahesh Dadoda 10/15/2024

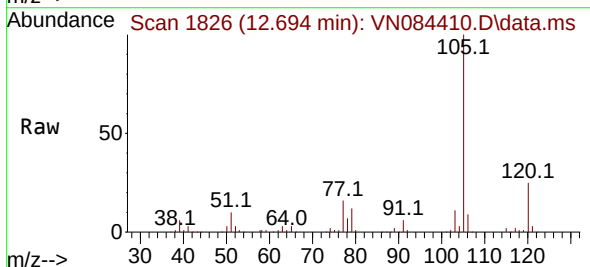


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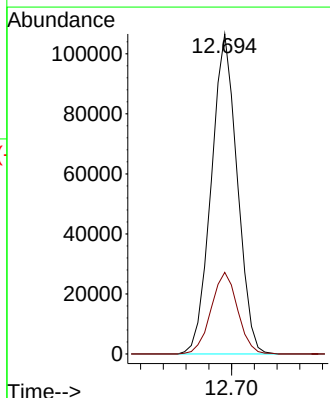
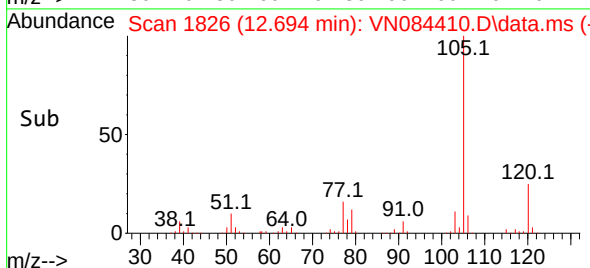
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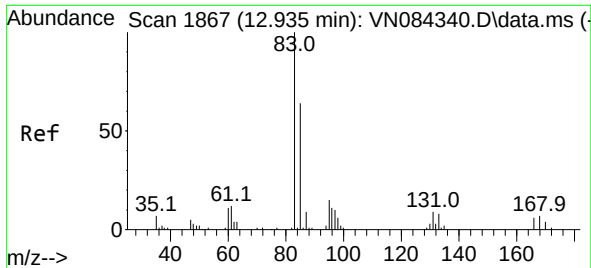


#70  
Isopropylbenzene  
Concen: 17.728 ug/l  
RT: 12.694 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06



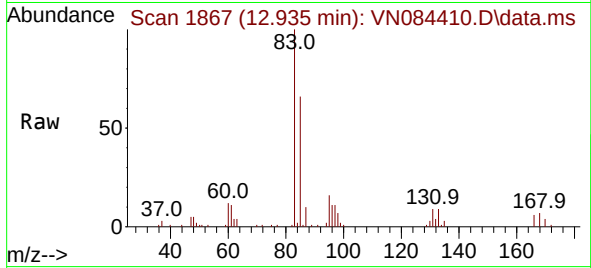
Tgt Ion:105 Resp: 169003  
Ion Ratio Lower Upper  
105 100  
120 26.1 17.4 32.4





#71  
1,1,2,2-Tetrachloroethane  
Concen: 16.850 ug/l  
RT: 12.935 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

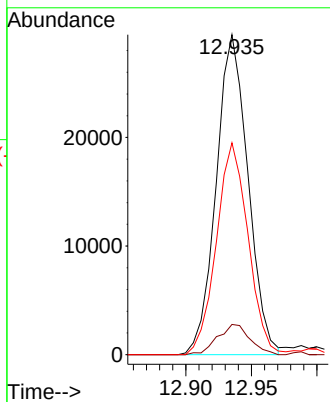
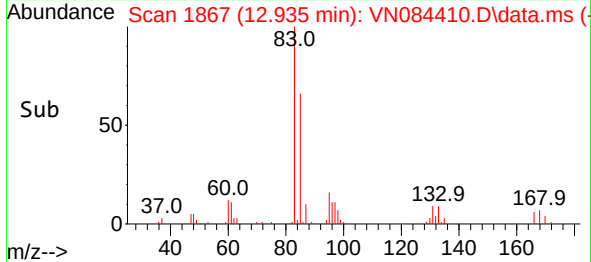
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 83 Resp: 4969  
Ion Ratio Lower Upper  
83 100  
131 9.6 5.1 15.3  
85 65.9 32.0 96.2

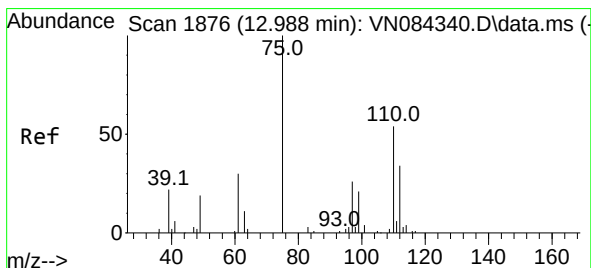
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Reviewed By :John Carlone 10/15/2024  
Supervised By :Mahesh Dadoda 10/15/2024



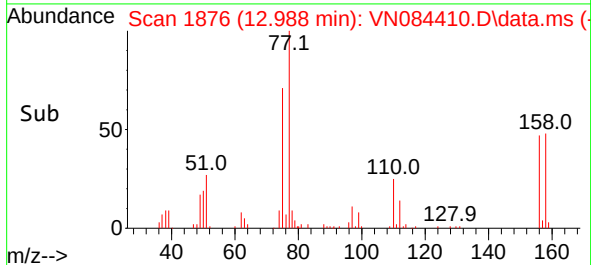
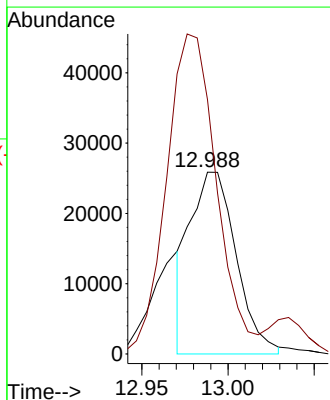
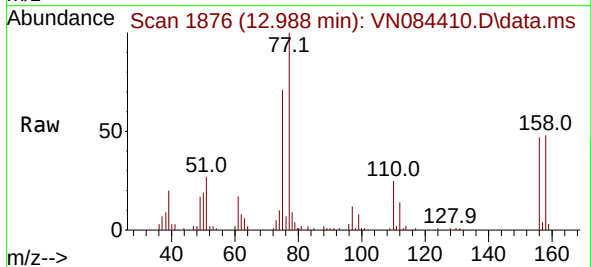
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Dadoda

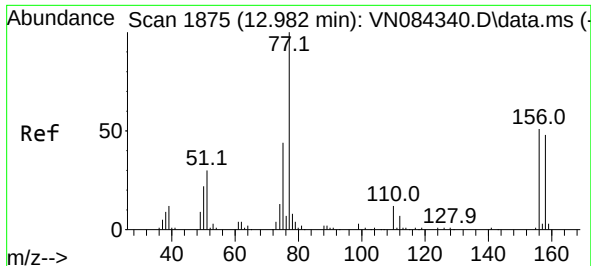
10/15/2024



#72  
1,2,3-Trichloropropane  
Concen: 19.006 ug/l m  
RT: 12.988 min Scan# 1876  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

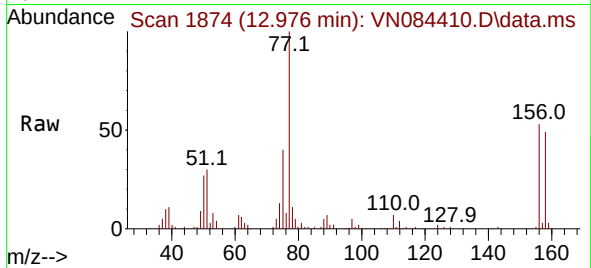
Tgt Ion: 75 Resp: 48003  
Ion Ratio Lower Upper  
75 100  
77 191.7 0.0 414.0





#73  
Bromobenzene  
Concen: 18.039 ug/l  
RT: 12.976 min Scan# 1875  
Delta R.T. -0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

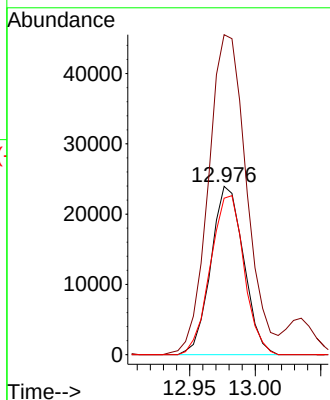
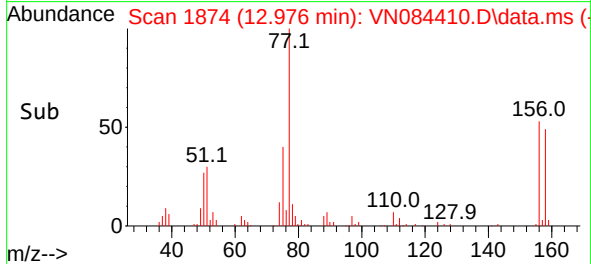
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:156 Resp: 4164  
Ion Ratio Lower Upper  
156 100  
77 220.9 0.0 451.0  
158 96.8 0.0 194.6

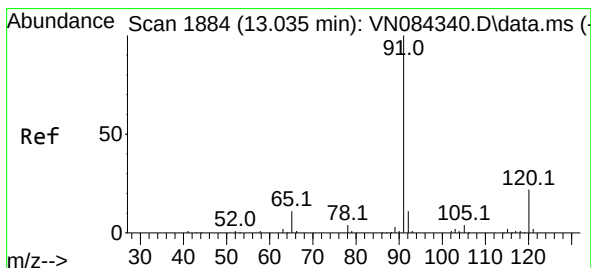
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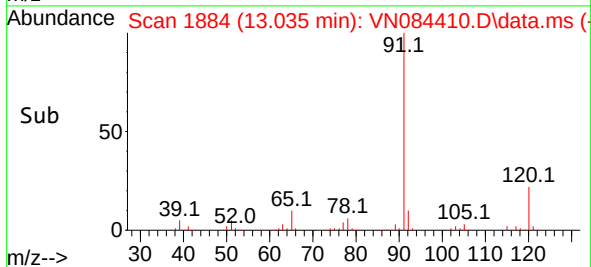
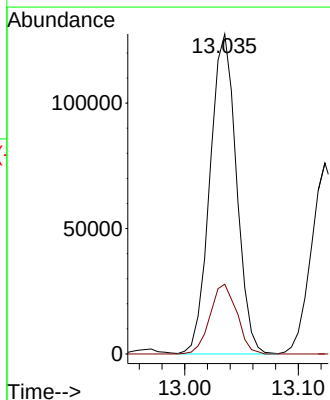
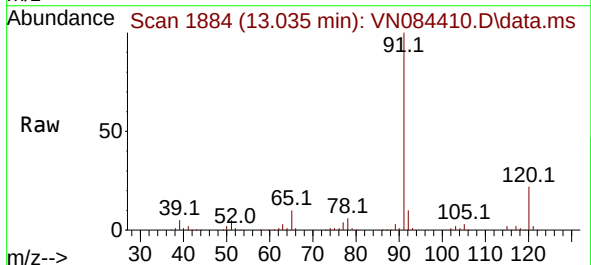
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Dadoda

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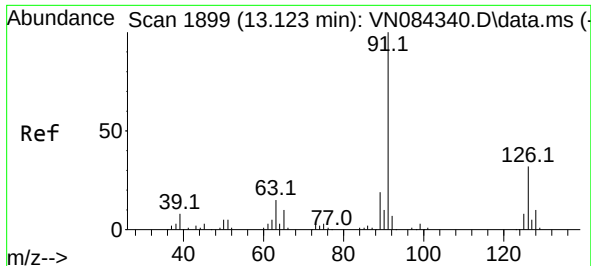


#74  
n-propylbenzene  
Concen: 18.230 ug/l  
RT: 13.035 min Scan# 1884  
Delta R.T. -0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion: 91 Resp: 207096  
Ion Ratio Lower Upper  
91 100  
120 22.0 0.0 43.2







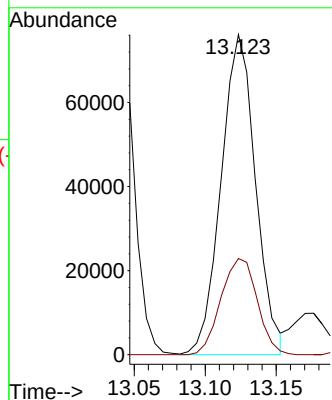
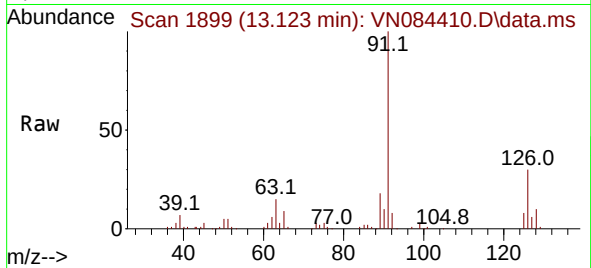
#75  
2-Chlorotoluene  
Concen: 18.196 ug/l  
RT: 13.123 min Scan# 1899  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 91 Resp: 12844  
Ion Ratio Lower Upper  
91 100  
126 31.6 0.0 64.0

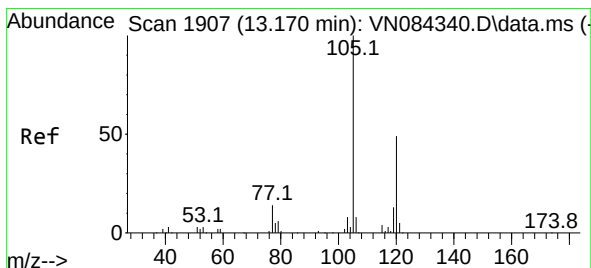
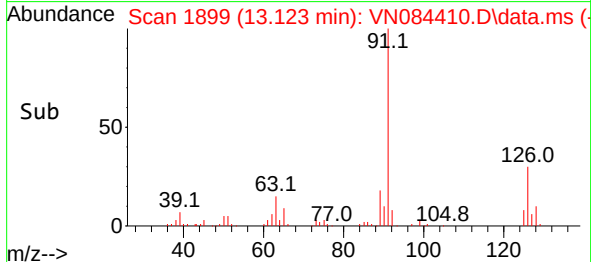
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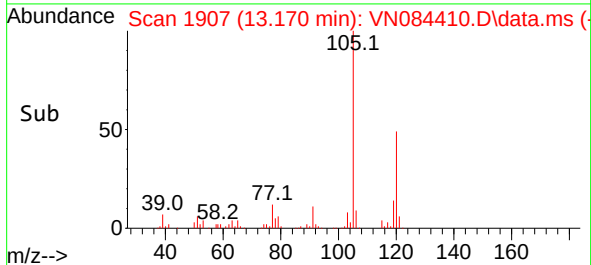
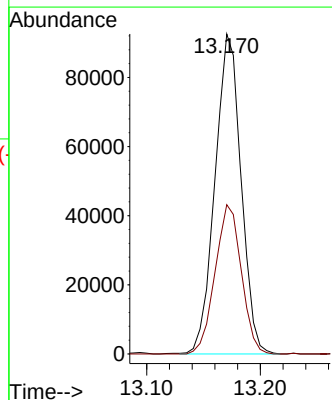
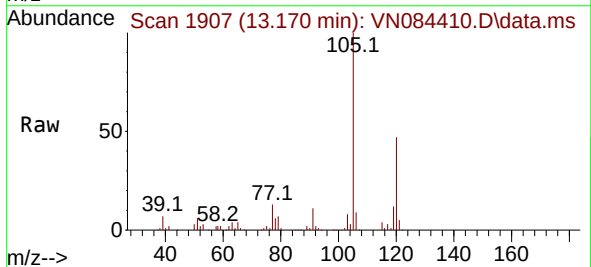
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Dadoda

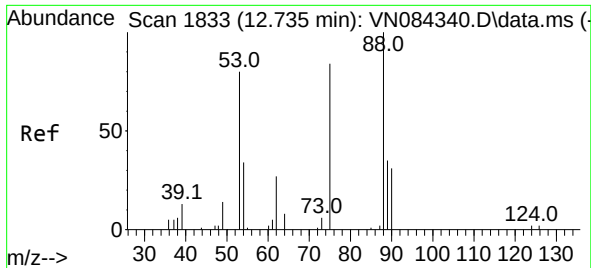
10/15/2024



#76  
1,3,5-Trimethylbenzene  
Concen: 18.371 ug/l  
RT: 13.170 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion:105 Resp: 147463  
Ion Ratio Lower Upper  
105 100  
120 46.9 0.0 94.4





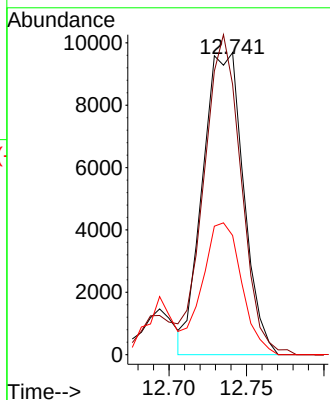
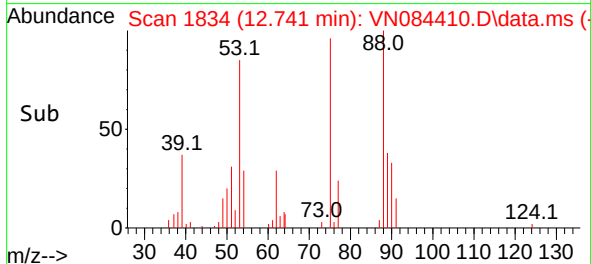
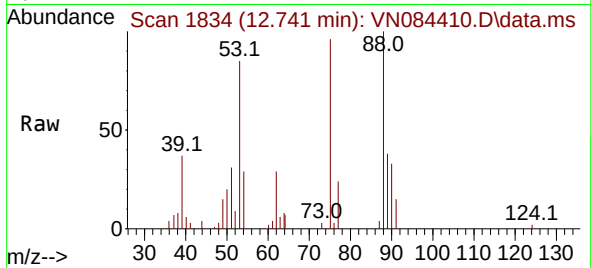
#77  
t-1,4-Dichloro-2-butene  
Concen: 16.402 ug/l  
RT: 12.741 min Scan# 1834  
Delta R.T. 0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 75 Resp: 1770  
Ion Ratio Lower Upper  
75 100  
53 87.9 47.3 142.0  
89 39.4 22.9 68.8

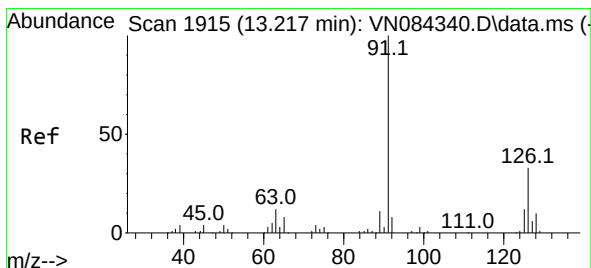
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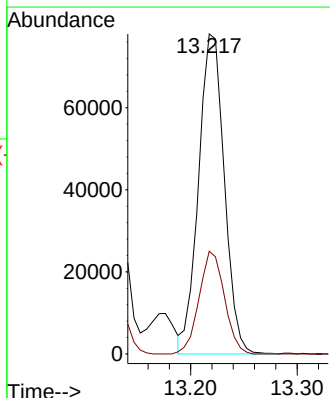
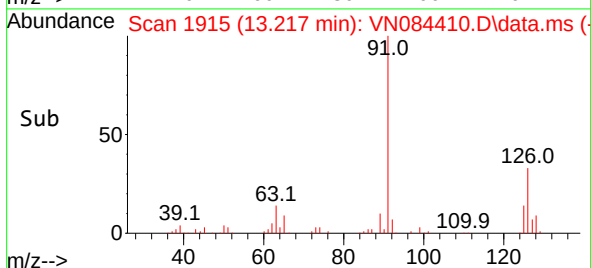
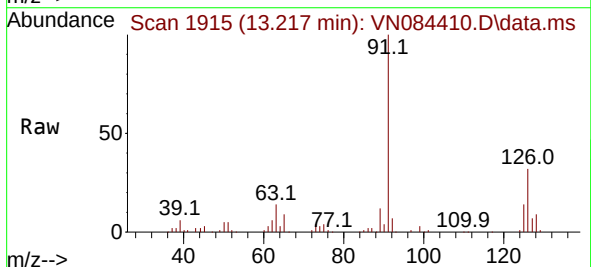
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Supervised By :Mahesh  
Dadoda

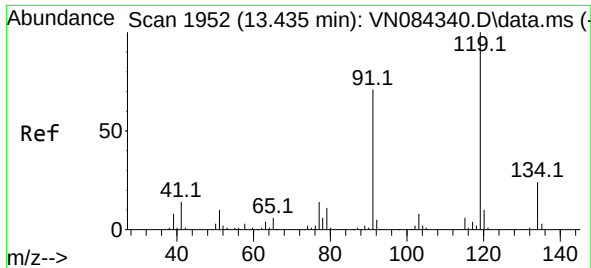
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#78  
4-Chlorotoluene  
Concen: 18.293 ug/l  
RT: 13.217 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion: 91 Resp: 131287  
Ion Ratio Lower Upper  
91 100  
126 31.5 0.0 62.4





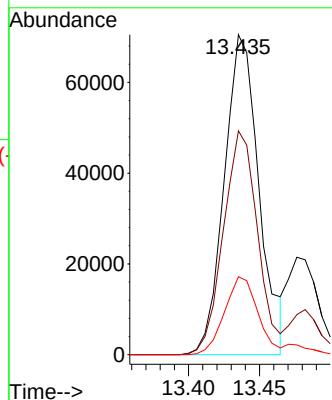
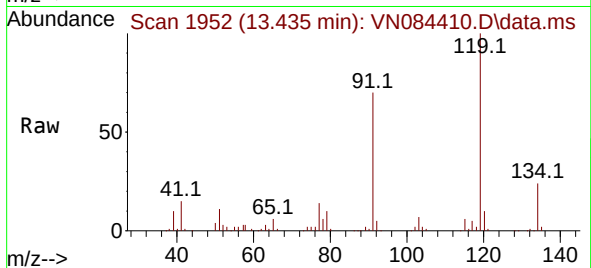
#79  
tert-butylbenzene  
Concen: 17.521 ug/l  
RT: 13.435 min Scan# 1952  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:119 Resp: 11998  
Ion Ratio Lower Upper  
119 100  
91 68.9 0.0 138.0  
134 23.4 0.0 48.8

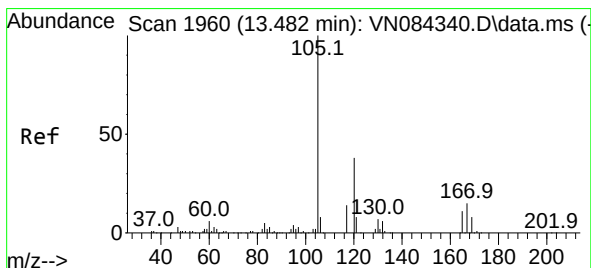
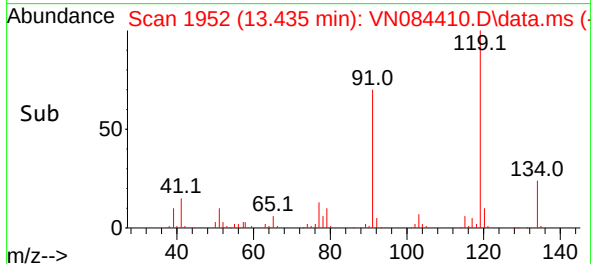
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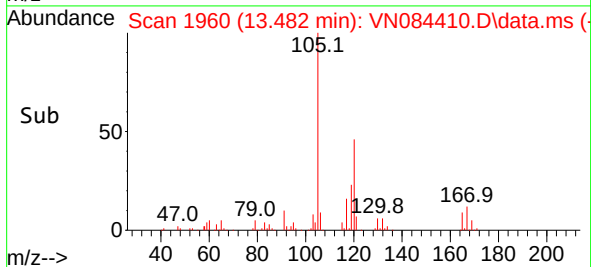
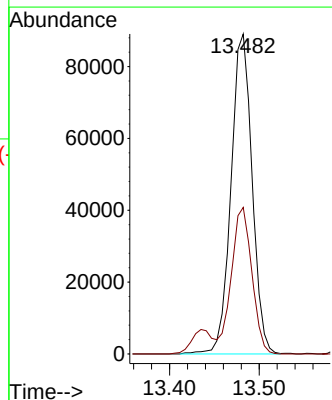
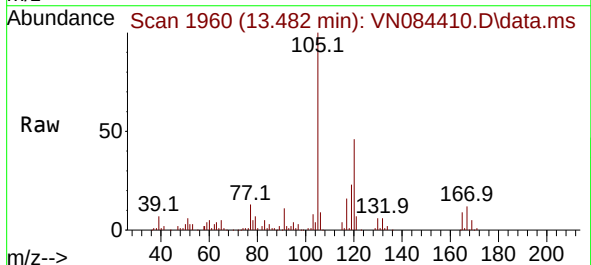
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Dadoda

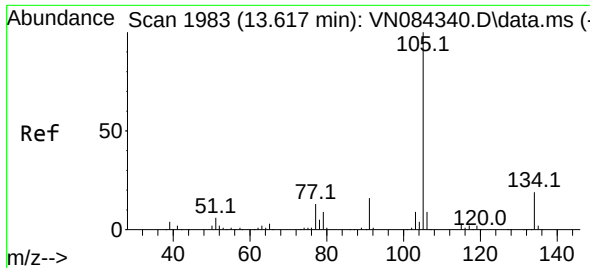
10/15/2024



#80  
1,2,4-Trimethylbenzene  
Concen: 17.830 ug/l  
RT: 13.482 min Scan# 1960  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion:105 Resp: 145213  
Ion Ratio Lower Upper  
105 100  
120 44.5 0.0 88.8





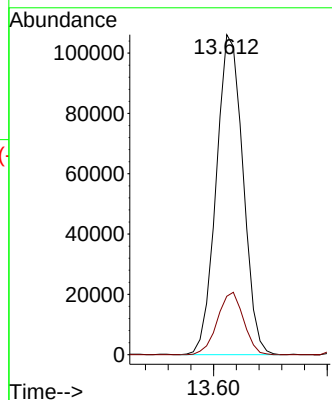
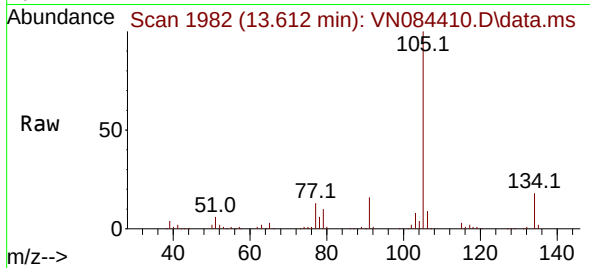
#81  
 sec-Butylbenzene  
 Concen: 18.432 ug/l  
 RT: 13.612 min Scan# 1983  
 Delta R.T. -0.006 min  
 Lab File: VN084410.D  
 Acq: 14 Oct 2024 16:06

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020EC

Tgt Ion:105 Resp: 17377  
 Ion Ratio Lower Upper  
 105 100  
 134 19.1 0.0 38.0

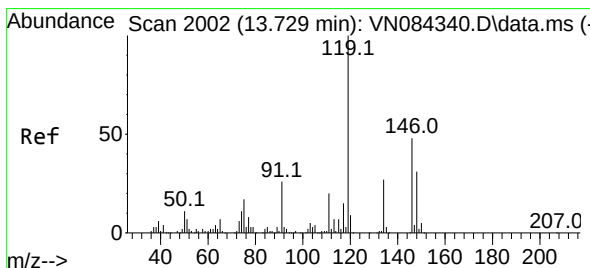
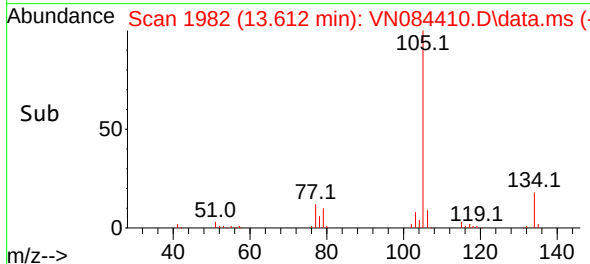
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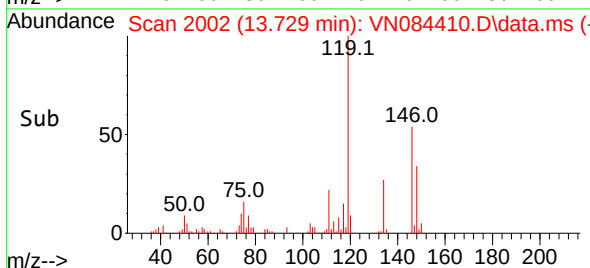
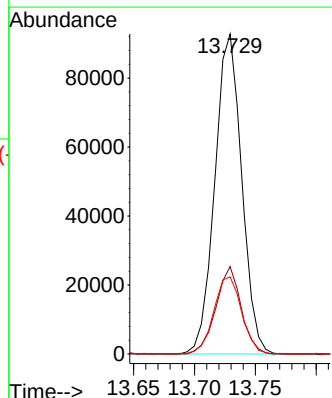
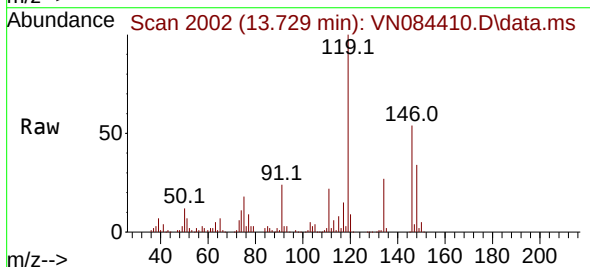
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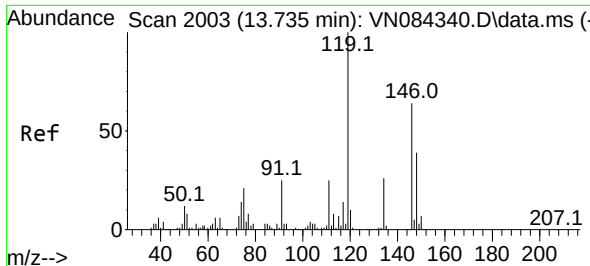
10/15/2024



#82  
 p-Isopropyltoluene  
 Concen: 17.940 ug/l  
 RT: 13.729 min Scan# 2002  
 Delta R.T. 0.000 min  
 Lab File: VN084410.D  
 Acq: 14 Oct 2024 16:06

Tgt Ion:119 Resp: 142363  
 Ion Ratio Lower Upper  
 119 100  
 134 25.7 0.0 50.2  
 91 25.0 0.0 50.6





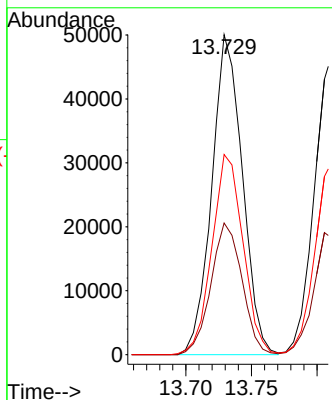
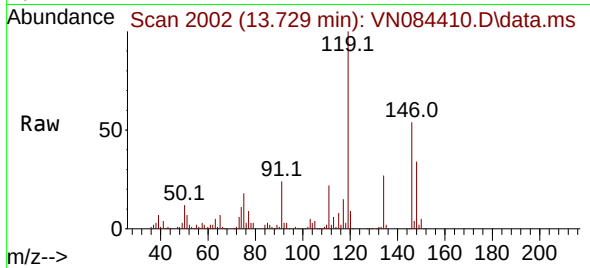
#83  
1,3-Dichlorobenzene  
Concen: 18.899 ug/l  
RT: 13.729 min Scan# 2003  
Delta R.T. -0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:146 Resp: 81130  
Ion Ratio Lower Upper  
146 100  
111 41.9 20.6 61.9  
148 63.8 31.6 94.7

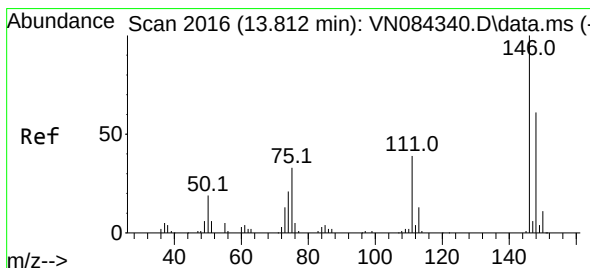
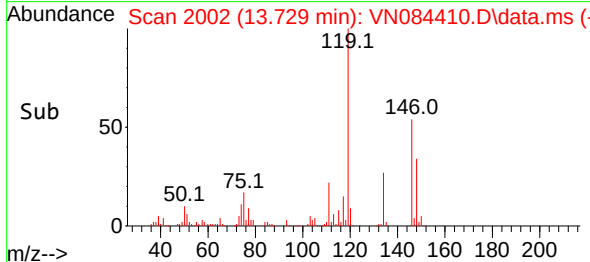
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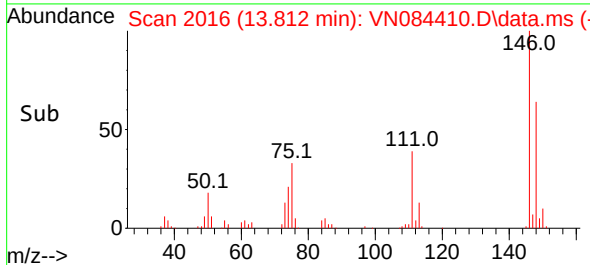
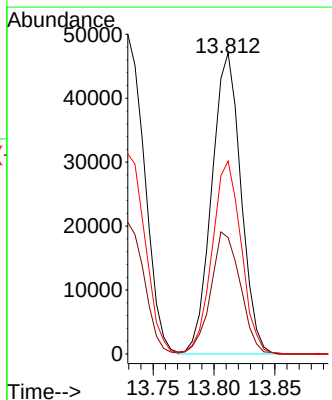
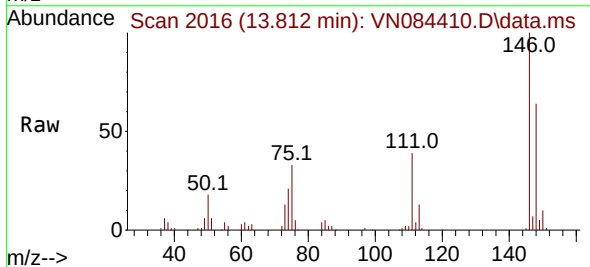
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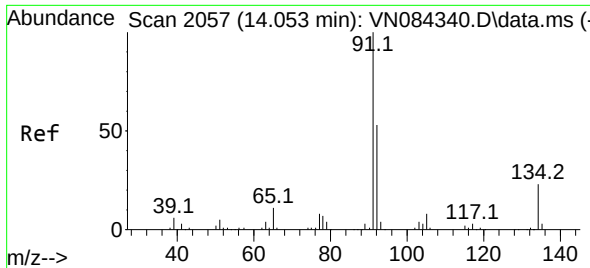
10/15/2024



#84  
1,4-Dichlorobenzene  
Concen: 18.431 ug/l  
RT: 13.812 min Scan# 2016  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion:146 Resp: 78568  
Ion Ratio Lower Upper  
146 100  
111 41.0 20.5 61.5  
148 63.9 32.5 97.4





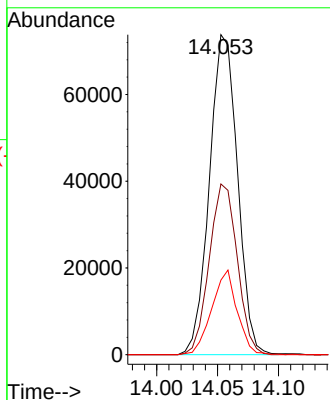
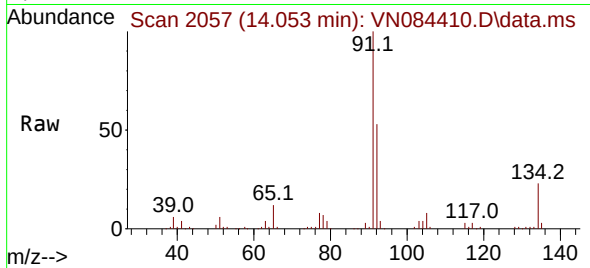
#85  
n-Butylbenzene  
Concen: 17.274 ug/l  
RT: 14.053 min Scan# 2057  
Delta R.T. -0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 91 Resp: 118724  
Ion Ratio Lower Upper  
91 100  
92 53.1 0.0 103.4  
134 23.8 0.0 48.0

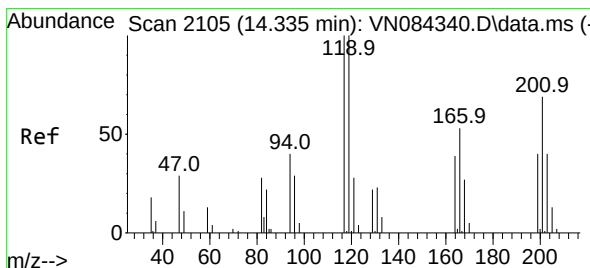
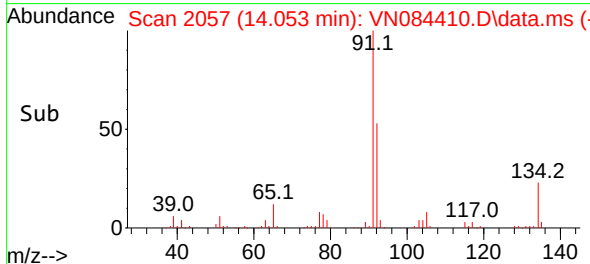
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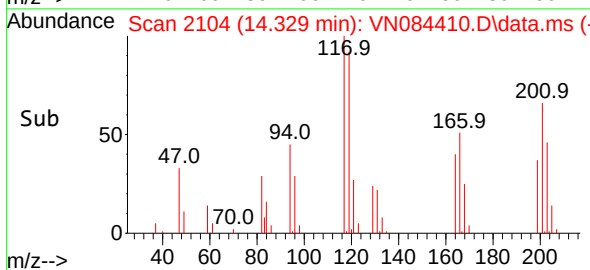
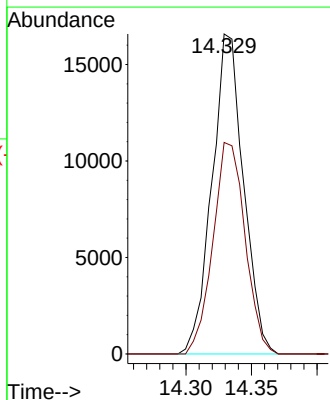
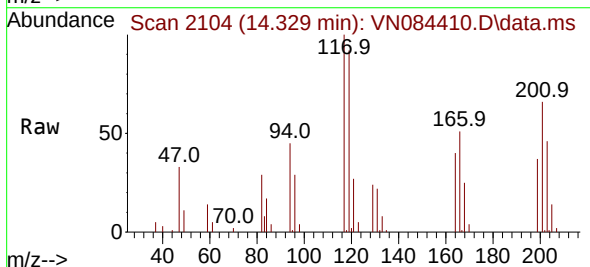
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Dadoda

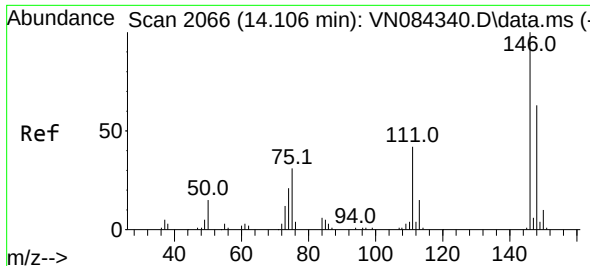
10/15/2024



#86  
Hexachloroethane  
Concen: 18.147 ug/l  
RT: 14.329 min Scan# 2104  
Delta R.T. -0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

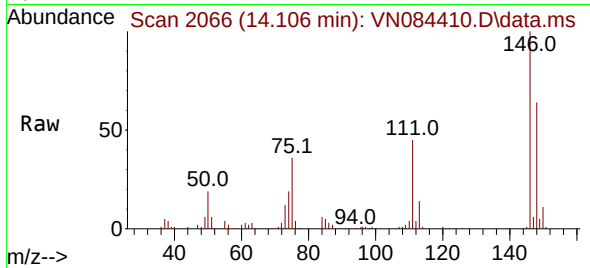
Tgt Ion:117 Resp: 27744  
Ion Ratio Lower Upper  
117 100  
201 67.2 33.9 101.6





#87  
1,2-Dichlorobenzene  
Concen: 18.519 ug/l  
RT: 14.106 min Scan# 2066  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

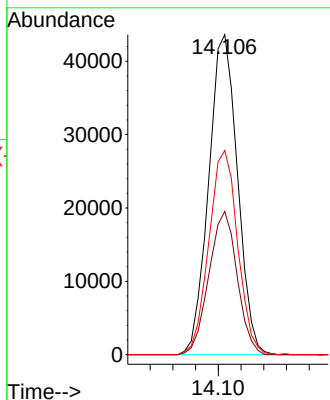
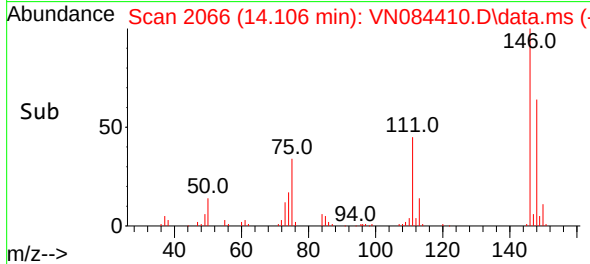
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:146 Resp: 7686  
Ion Ratio Lower Upper  
146 100  
111 43.8 21.9 65.5  
148 63.8 31.1 93.5

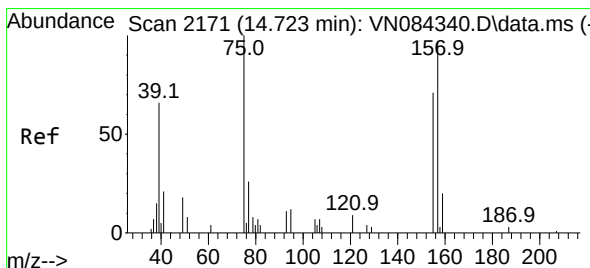
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Supervised By :Mahesh Dadoda 10/15/2024



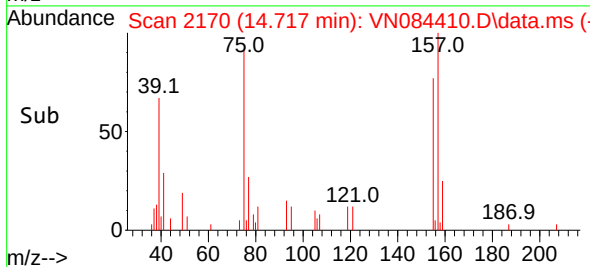
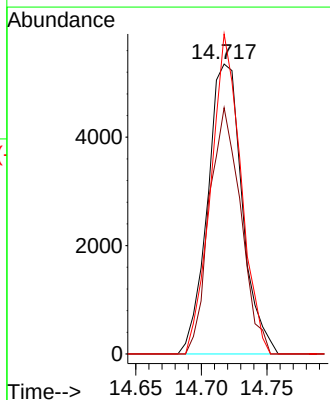
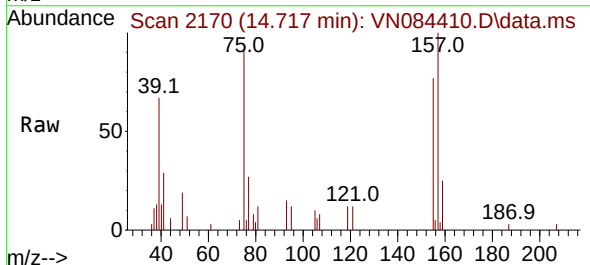
10/15/2024  
Supervised By :Mahesh  
Dadoda

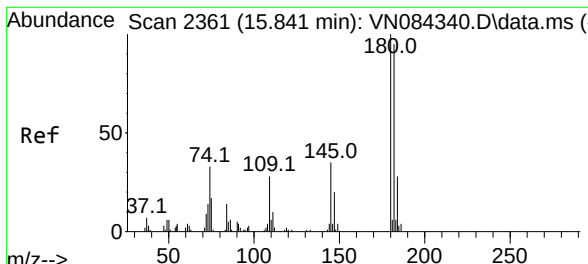
10/15/2024



#88  
1,2-Dibromo-3-Chloropropane  
Concen: 16.290 ug/l  
RT: 14.717 min Scan# 2170  
Delta R.T. -0.006 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion: 75 Resp: 9824  
Ion Ratio Lower Upper  
75 100  
155 77.6 61.8 92.8  
157 95.9 77.4 116.0





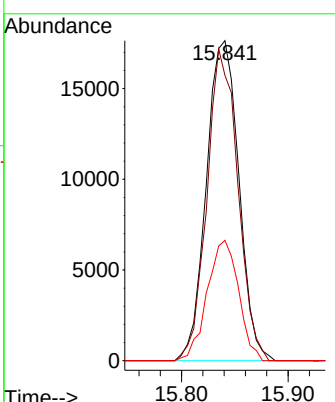
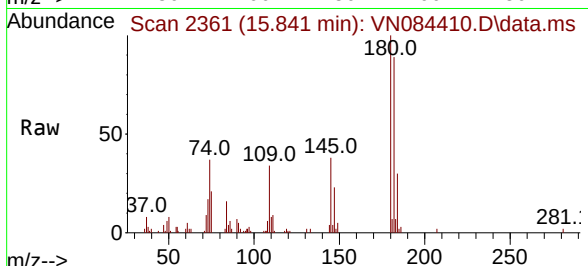
#89  
 1,2,4-Trichlorobenzene  
 Concen: 17.327 ug/l  
 RT: 15.841 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VN084410.D  
 Acq: 14 Oct 2024 16:06

Instrument : MSVOA\_N  
 ClientSampleId : VSTDCCC020EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 37392 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 92.5  | 77.8  | 116.6 |
| 145       | 36.3  | 28.9  | 43.3  |

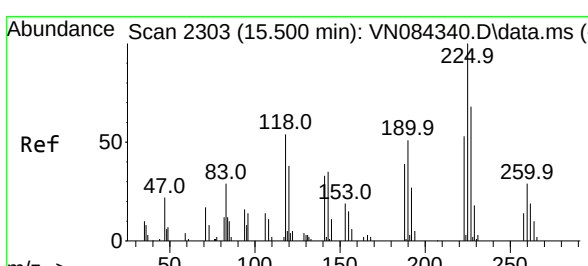
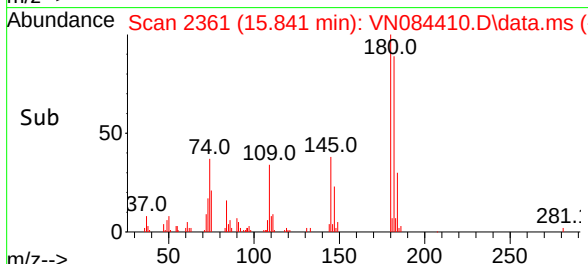
Manual Integrations  
 APPROVED

Reviewed By :John Carlone 10/15/2024  
 Supervised By :Mahesh Dadoda 10/15/2024



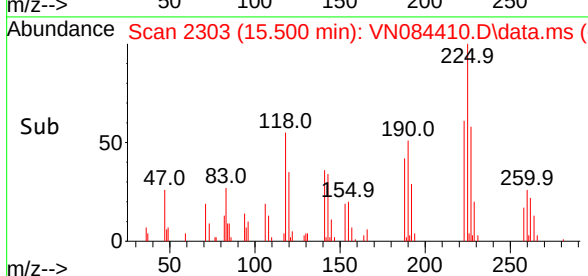
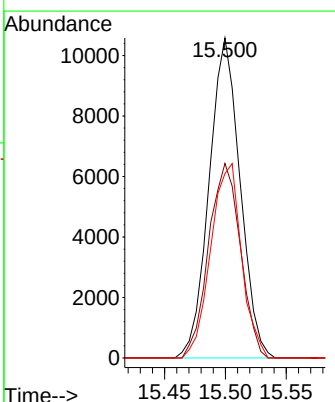
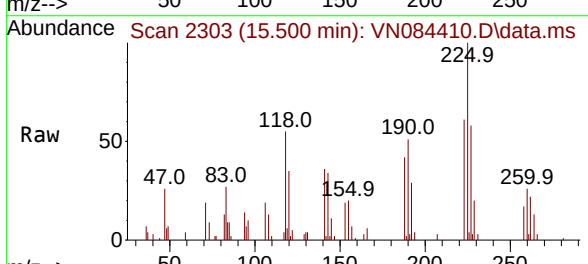
10/15/2024  
 Supervised By :Mahesh Dadoda

10/15/2024

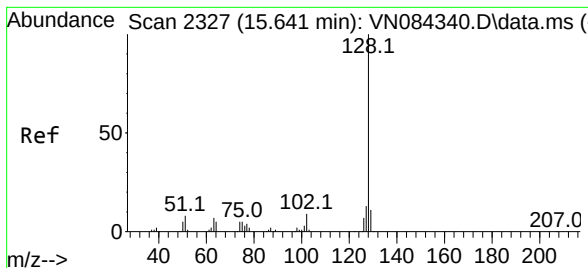


#90  
 Hexachlorobutadiene  
 Concen: 18.756 ug/l  
 RT: 15.500 min Scan# 2303  
 Delta R.T. 0.000 min  
 Lab File: VN084410.D  
 Acq: 14 Oct 2024 16:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 18725 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 62.5  | 0.0   | 124.0 |
| 227       | 60.2  | 0.0   | 130.8 |

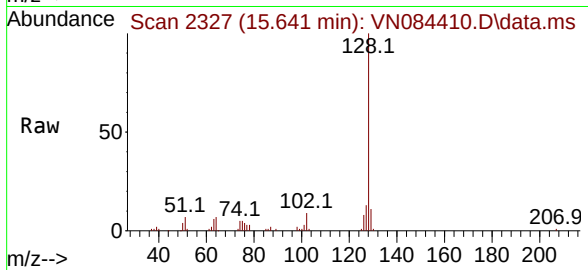






#91  
Naphthalene  
Concen: 14.315 ug/l  
RT: 15.641 min Scan# 2327  
Delta R.T. 0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

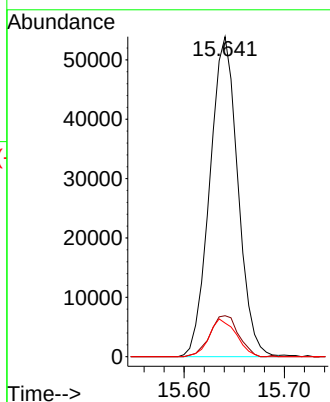
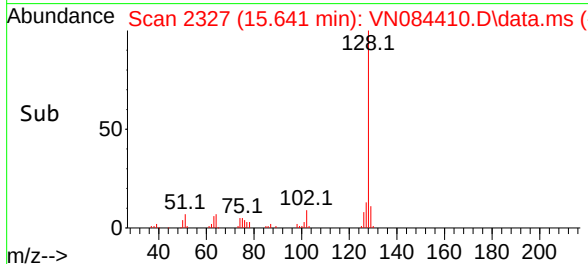
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:128 Resp: 104680  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.3 15.5  
129 11.4 8.8 13.2

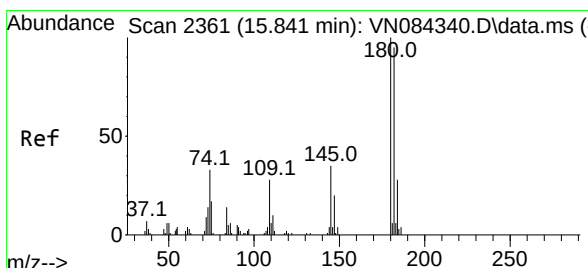
Manual Integrations  
APPROVED

Reviewed By :John Carlone 10/15/2024  
Supervised By :Mahesh Dadoda 10/15/2024



10/15/2024  
Supervised By :Mahesh  
Dadoda

10/15/2024



#92  
1,2,3-Trichlorobenzene  
Concen: 17.327 ug/l  
RT: 15.841 min Scan# 2361  
Delta R.T. -0.000 min  
Lab File: VN084410.D  
Acq: 14 Oct 2024 16:06

Tgt Ion:180 Resp: 37392  
Ion Ratio Lower Upper  
180 100  
182 92.5 0.0 194.4  
145 36.3 0.0 72.2

