

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL021422\  
 Data File : VL038338.D  
 Acq On : 14 Feb 2022 12:32  
 Operator : SY/AP  
 Sample : VL0214ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0214ABS01

Quant Time: Feb 15 00:40:00 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL012422AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Jan 24 2022

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/15/2022  
 Supervised By : Mahesh Dadoda 02/18/2022

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.658  | 49   | 887548   | 10.000 | ppbv  | -0.02    |
| 33) 1,4-Difluorobenzene | 7.163  | 114  | 2399284  | 10.000 | ppbv  | -0.02    |
| 55) Chlorobenzene-d5    | 12.069 | 117  | 2267023m | 10.000 | ppbv  | -0.02    |

#### System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.400 95 1785406 10.376 ppbv -0.01  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.800%

#### Target Compounds

|                               |       |     |         |        |        | Qvalue |
|-------------------------------|-------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 3.047 | 85  | 1277185 | 6.760  | ppbv   | 97     |
| 3) Chlorodifluoromethane      | 2.986 | 51  | 1620657 | 9.172  | ppbv   | 100    |
| 4) Chloromethane              | 3.137 | 50  | 550709  | 9.060  | ppbv   | 98     |
| 5) Vinyl Chloride             | 3.256 | 62  | 565553  | 9.322  | ppbv   | 93     |
| 6) Bromomethane               | 3.472 | 94  | 322663  | 9.837  | ppbv   | 97     |
| 7) Chloroethane               | 3.555 | 64  | 192316  | 9.385  | ppbv   | 99     |
| 8) Dichlorotetrafluoroethane  | 3.185 | 85  | 1364621 | 9.334  | ppbv   | 99     |
| 9) Propene                    | 3.009 | 41  | 533399  | 9.274  | ppbv   | 99     |
| 10) Heptane                   | 8.111 | 43  | 1397515 | 9.444  | ppbv   | 100    |
| 11) Trichlorofluoromethane    | 3.944 | 101 | 1393565 | 9.468  | ppbv   | 97     |
| 12) 1,1,2-Trichlorotrifluo... | 4.478 | 101 | 1025928 | 9.221  | ppbv   | 99     |
| 13) Ethanol                   | 3.597 | 45  | 105160m | 17.031 | ppbv   |        |
| 14) Bromoethene               | 3.735 | 108 | 409002  | 9.407  | ppbv   | 98     |
| 15) Acetone                   | 3.845 | 43  | 695791  | 8.893  | ppbv   | 100    |
| 16) 1,3-Butadiene             | 3.324 | 39  | 533849  | 9.508  | ppbv   | 99     |
| 17) tert-Butyl alcohol        | 4.279 | 59  | 808669  | 9.417  | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 4.282 | 96  | 445992  | 9.218  | ppbv   | 96     |
| 19) Isopropyl Alcohol         | 3.960 | 45  | 470278  | 9.608  | ppbv # | 98     |
| 20) Methylene Chloride        | 4.337 | 84  | 365751  | 8.038  | ppbv   | 98     |
| 21) Allyl Chloride            | 4.407 | 41  | 652705  | 9.429  | ppbv   | 98     |
| 22) trans-1,2-Dichloroethene  | 4.880 | 96  | 470229  | 9.406  | ppbv   | 96     |
| 23) Vinyl Acetate             | 5.063 | 43  | 1081437 | 9.507  | ppbv   | 99     |
| 24) 1,1-Dichloroethane        | 5.002 | 63  | 937077  | 9.247  | ppbv   | 98     |
| 25) Ethyl Acetate             | 5.664 | 43  | 2134486 | 9.744  | ppbv   | 99     |
| 26) Hexane                    | 5.677 | 57  | 970873  | 9.529  | ppbv   | 99     |
| 27) Carbon Disulfide          | 4.542 | 76  | 1148178 | 9.632  | ppbv   | 99     |
| 28) Methyl tert-Butyl Ether   | 5.025 | 73  | 992509  | 9.390  | ppbv   | 99     |
| 29) Chloroform                | 5.742 | 83  | 1586686 | 9.540  | ppbv   | 98     |
| 30) Cyclohexane               | 7.118 | 84  | 831358  | 9.371  | ppbv   | 99     |
| 31) cis-1,2-Dichloroethene    | 5.539 | 61  | 942959  | 10.609 | ppbv   | 96     |
| 32) 1,1,1-Trichloroethane     | 6.500 | 97  | 1570150 | 9.452  | ppbv   | 99     |
| 34) 2-Butanone                | 5.234 | 43  | 742934  | 9.469  | ppbv   | 100    |
| 35) Carbon Tetrachloride      | 7.005 | 117 | 1644648 | 9.765  | ppbv   | 97     |
| 36) Benzene                   | 6.880 | 78  | 2066112 | 9.735  | ppbv   | 98     |
| 37) 1,2-Dichloroethane        | 6.295 | 62  | 1208685 | 9.943  | ppbv   | 99     |
| 38) Trichloroethene           | 7.822 | 130 | 746996  | 9.449  | ppbv   | 98     |
| 39) 1,2-Dichloropropane       | 7.600 | 63  | 812699  | 9.445  | ppbv   | 98     |
| 40) 1,4-Dioxane               | 7.819 | 88  | 187866  | 9.072  | ppbv # | 1      |
| 41) Tetrahydrofuran           | 6.037 | 42  | 526030  | 9.973  | ppbv   | 99     |
| 42) Bromodichloromethane      | 7.777 | 83  | 1778781 | 9.863  | ppbv   | 99     |
| 43) Methyl Methacrylate       | 8.002 | 69  | 776903  | 10.349 | ppbv   | 98     |
| 44) 2,2,4-Trimethylpentane    | 7.857 | 57  | 3509568 | 9.384  | ppbv   | 100    |
| 45) t-1,3-Dichloropropene     | 9.262 | 75  | 714065  | 11.708 | ppbv   | 98     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL021422\  
 Data File : VL038338.D  
 Acq On : 14 Feb 2022 12:32  
 Operator : SY/AP  
 Sample : VL0214ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0214ABS01

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/15/2022  
 Supervised By : Mahesh Dadoda 02/18/2022

Quant Time: Feb 15 00:40:00 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL012422AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Jan 24 2022

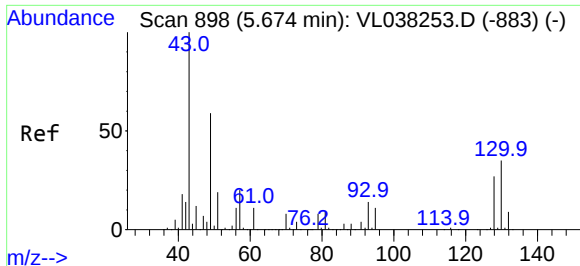
QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.687  | 75   | 894621   | 10.994 | ppbv   | 98       |
| 47) 1,1,2-Trichloroethane     | 9.462  | 97   | 823364   | 9.739  | ppbv   | 99       |
| 48) Dibromochloromethane      | 10.288 | 129  | 1421005  | 9.984  | ppbv   | 99       |
| 49) Bromoform                 | 13.024 | 173  | 1069939  | 10.427 | ppbv   | 97       |
| 50) 4-Methyl-2-Pentanone      | 8.729  | 43   | 1399241  | 9.997  | ppbv   | 100      |
| 51) 2-Hexanone                | 10.121 | 43   | 629445   | 10.211 | ppbv # | 98       |
| 52) Tetrachloroethene         | 11.208 | 164  | 671571   | 9.182  | ppbv   | 98       |
| 53) Toluene                   | 9.790  | 91   | 2331812  | 9.927  | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 10.597 | 107  | 1229790  | 10.232 | ppbv   | 100      |
| 56) 1,1,1,2-Tetrachloroethane | 12.111 | 131  | 915740   | 9.229  | ppbv   | 95       |
| 57) Chlorobenzene             | 12.134 | 112  | 1651199  | 9.102  | ppbv   | 99       |
| 58) Ethyl Benzene             | 12.693 | 91   | 3102701  | 9.312  | ppbv   | 100      |
| 59) m/p-Xylene                | 12.983 | 91   | 5249569m | 18.468 | ppbv   |          |
| 60) o-Xylene                  | 13.680 | 91   | 2476132  | 9.366  | ppbv   | 100      |
| 61) Styrene                   | 13.513 | 104  | 1248830  | 10.122 | ppbv   | 97       |
| 62) Isopropylbenzene          | 14.651 | 105  | 3274224  | 9.290  | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.661 | 83   | 1811023  | 9.258  | ppbv   | 100      |
| 64) n-propylbenzene           | 15.545 | 120  | 851027   | 10.037 | ppbv   | 98       |
| 65) tert-Butylbenzene         | 16.732 | 119  | 2850948  | 9.821  | ppbv   | 100      |
| 66) Benzyl Chloride           | 16.966 | 91   | 174007   | 13.196 | ppbv   | 99       |
| 67) sec-Butylbenzene          | 17.278 | 105  | 4004548  | 9.917  | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 17.635 | 119  | 3187936  | 10.316 | ppbv   | 99       |
| 70) n-Butylbenzene            | 18.532 | 91   | 3214751  | 10.621 | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 15.439 | 91   | 2550171  | 9.769  | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 15.822 | 105  | 2832556  | 10.245 | ppbv   | 100      |
| 73) 1,3,5-Trimethylbenzene    | 15.979 | 105  | 2515054  | 10.116 | ppbv   | 98       |
| 74) 1,2,4-Trimethylbenzene    | 16.748 | 105  | 2632758  | 10.051 | ppbv   | 99       |
| 75) 1,3-Dichlorobenzene       | 16.979 | 146  | 1461688  | 10.399 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 17.121 | 146  | 1394722  | 10.249 | ppbv   | 96       |
| 77) 1,2-Dichlorobenzene       | 17.802 | 146  | 1367496  | 10.475 | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 23.358 | 225  | 702666   | 7.741  | ppbv   | 98       |
| 79) Naphthalene               | 22.178 | 128  | 1324686  | 10.817 | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 24.960 | 142  | 289720   | 21.754 | ppbv   | 98       |
| 81) 1,2,4-Trichlorobenzene    | 21.905 | 180  | 711469   | 9.877  | ppbv   | 98       |

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





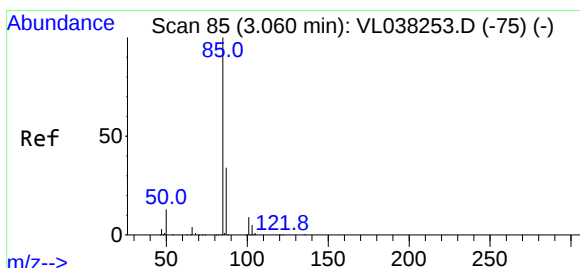
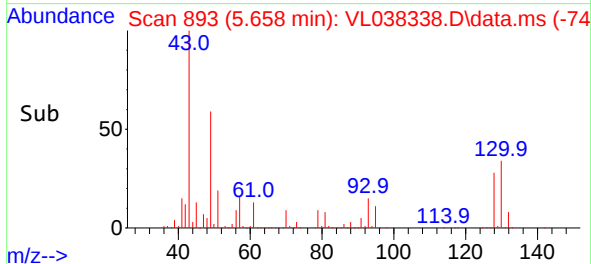
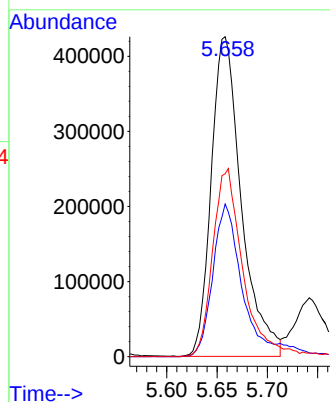
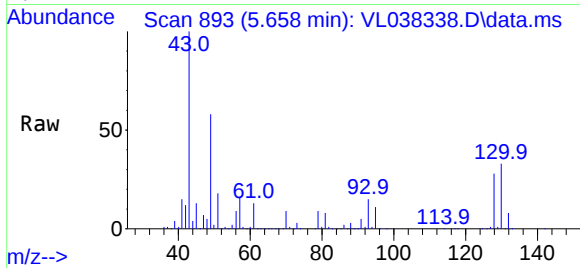
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Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.658 min Scan# 89  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01

Tgt Ion: 49 Resp: 887548  
Ion Ratio Lower Upper  
49 100  
128 49.4 24.5 73.5  
130 60.0 30.1 90.5

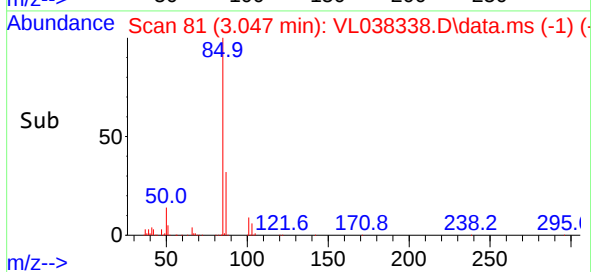
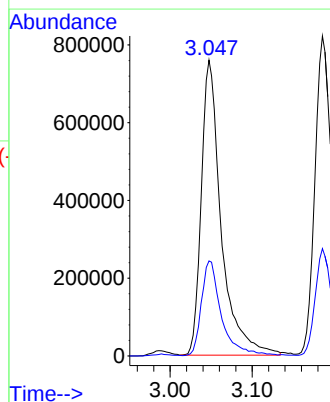
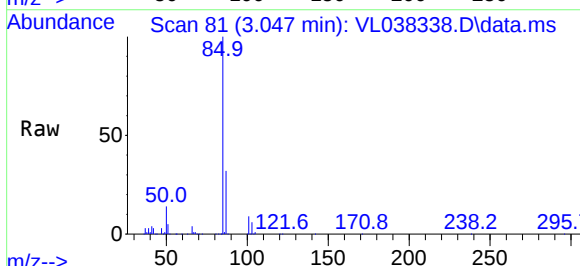
Manual Integrations  
APPROVED

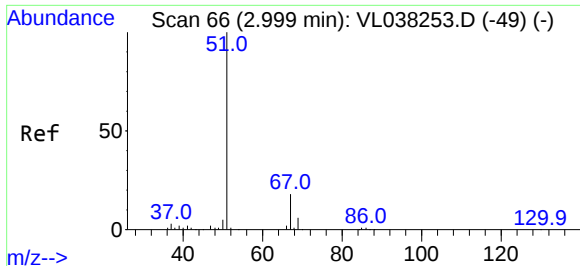
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022



#2  
Dichlorodifluoromethane  
Concen: 6.760 ppbv  
RT: 3.047 min Scan# 81  
Delta R.T. -0.013 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

Tgt Ion: 85 Resp: 1277185  
Ion Ratio Lower Upper  
85 100  
87 32.1 27.0 40.6





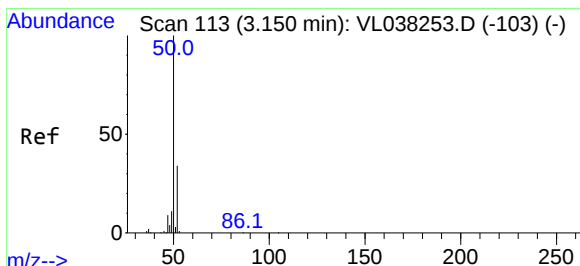
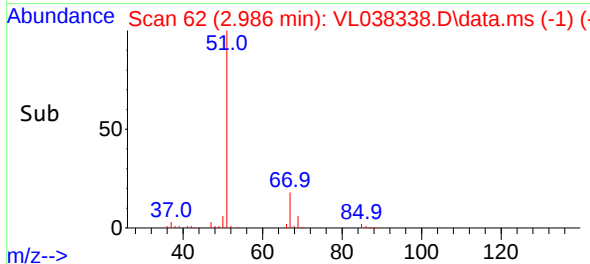
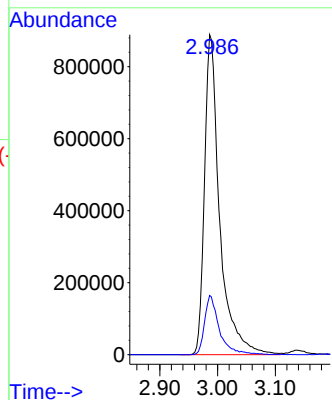
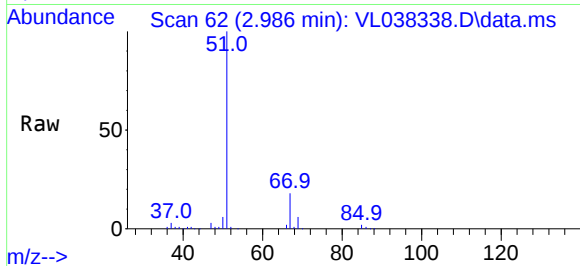
#3  
Chlorodifluoromethane  
Concen: 9.172 ppbv  
RT: 2.986 min Scan# 61  
Delta R.T. -0.013 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01

Tgt Ion: 51 Resp: 162065  
Ion Ratio Lower Upper  
51 100  
67 18.2 14.4 21.6

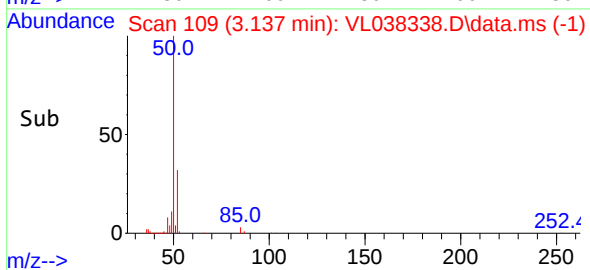
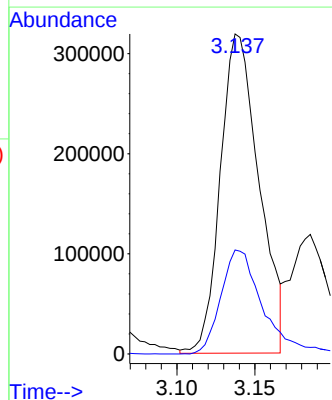
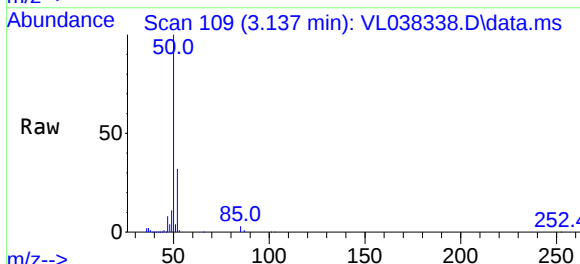
Manual Integrations  
APPROVED

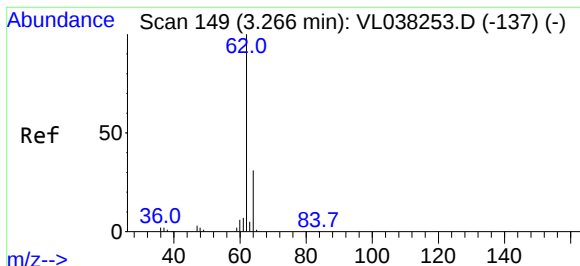
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022



#4  
Chloromethane  
Concen: 9.060 ppbv  
RT: 3.137 min Scan# 109  
Delta R.T. -0.013 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

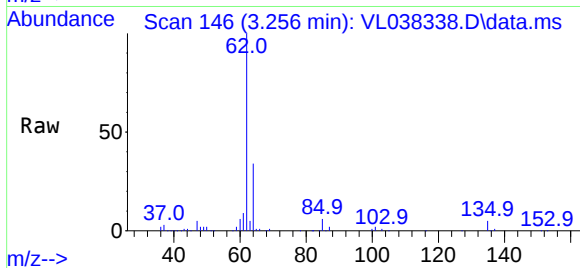
Tgt Ion: 50 Resp: 550709  
Ion Ratio Lower Upper  
50 100  
52 32.9 27.1 40.7





#5  
 Vinyl Chloride  
 Concen: 9.322 ppbv  
 RT: 3.256 min Scan# 146  
 Delta R.T. -0.010 min  
 Lab File: VL038338.D  
 Acq: 14 Feb 2022 12:32

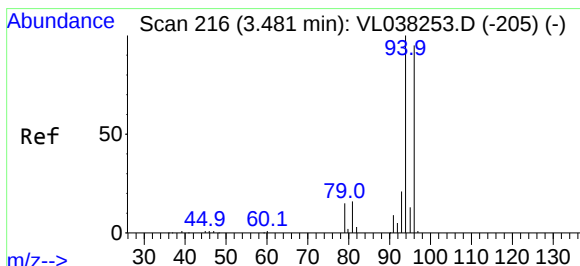
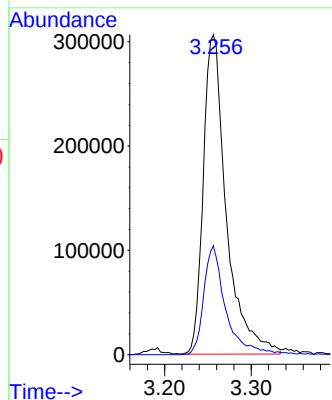
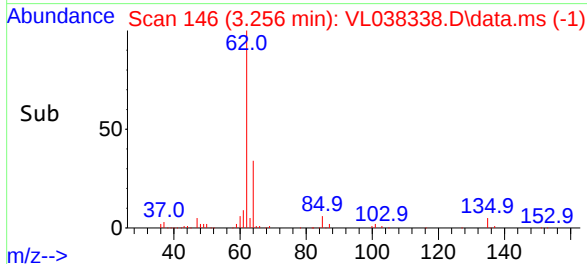
Instrument : MSVOA\_L  
 ClientSampleId : VL0214ABS01



Tgt Ion: 62 Resp: 56555  
 Ion Ratio Lower Upper  
 62 100  
 64 34.1 24.4 36.6

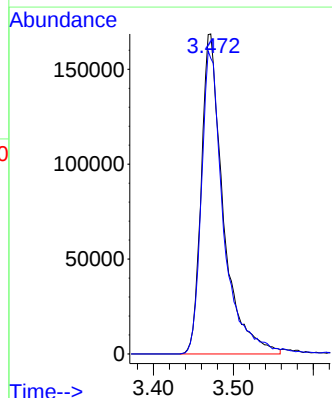
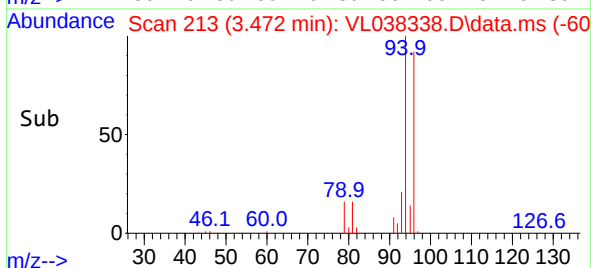
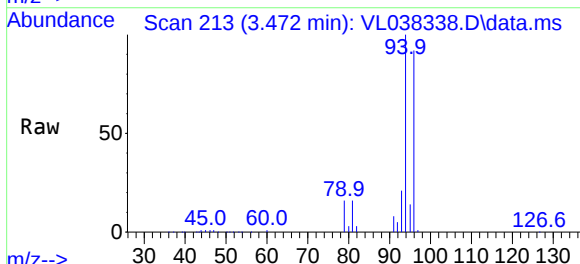
Manual Integrations  
 APPROVED

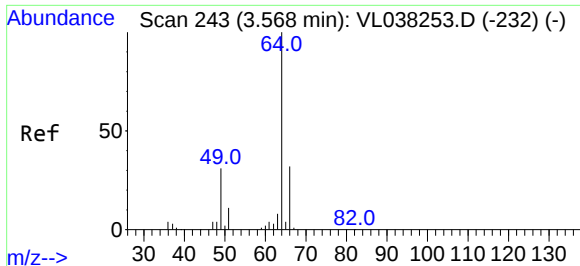
Reviewed By :Semsettin Yesilyurt 02/15/2022  
 Supervised By :Mahesh Dadoda 02/18/2022



#6  
 Bromomethane  
 Concen: 9.837 ppbv  
 RT: 3.472 min Scan# 213  
 Delta R.T. -0.010 min  
 Lab File: VL038338.D  
 Acq: 14 Feb 2022 12:32

Tgt Ion: 94 Resp: 322663  
 Ion Ratio Lower Upper  
 94 100  
 96 92.4 76.0 114.0





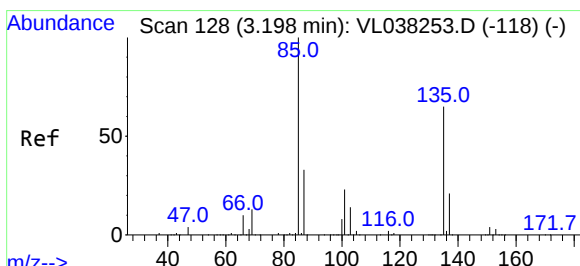
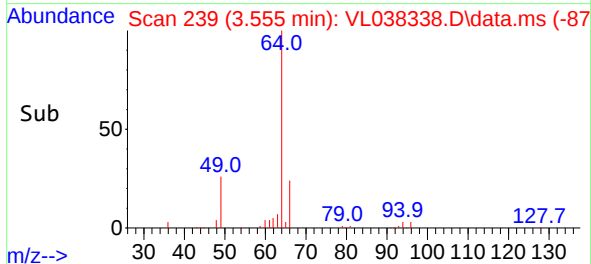
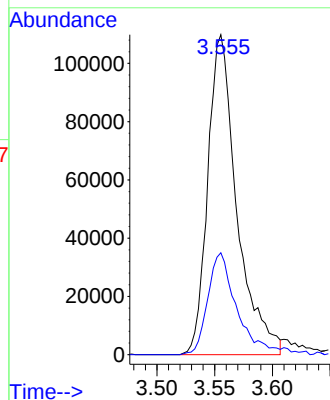
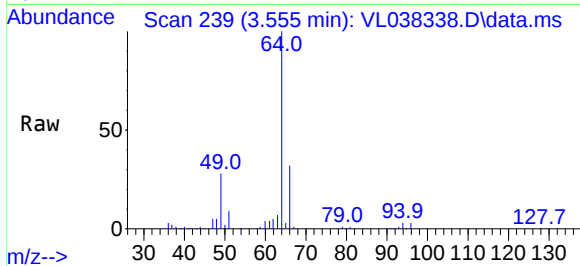
#7  
Chloroethane  
Concen: 9.385 ppbv  
RT: 3.555 min Scan# 21  
Delta R.T. -0.013 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01

Tgt Ion: 64 Resp: 192310  
Ion Ratio Lower Upper  
64 100  
66 31.9 25.8 38.6

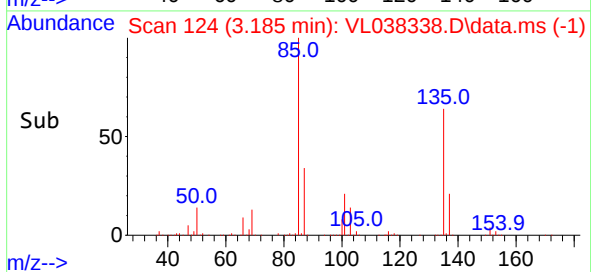
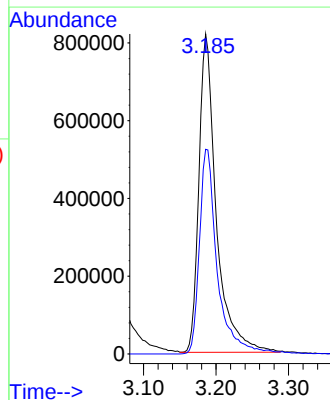
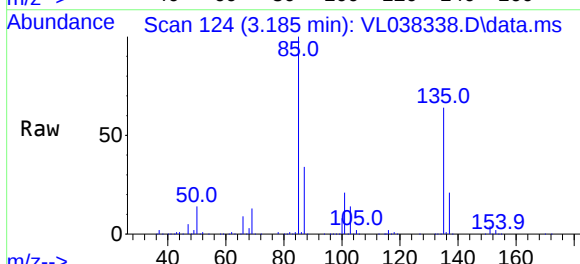
Manual Integrations  
APPROVED

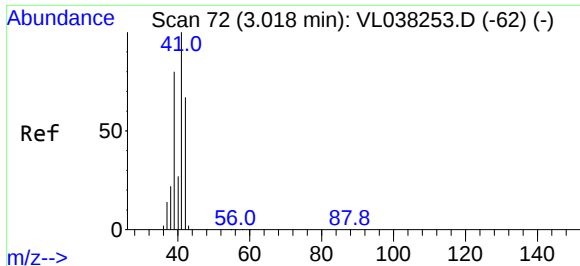
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022



#8  
Dichlorotetrafluoroethane  
Concen: 9.334 ppbv  
RT: 3.185 min Scan# 124  
Delta R.T. -0.013 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

Tgt Ion: 85 Resp: 1364621  
Ion Ratio Lower Upper  
85 100  
135 66.6 53.7 80.5





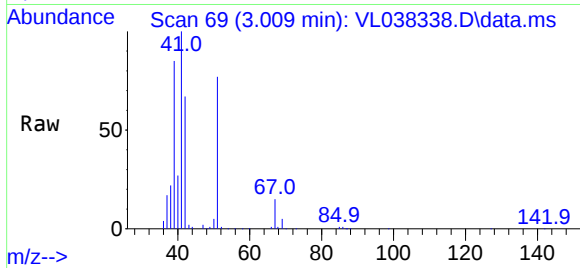
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 Concen: 9.274 ppbv  
 RT: 3.009 min Scan# 61  
 Delta R.T. -0.010 min  
 Lab File: VL038338.D  
 Acq: 14 Feb 2022 12:32

Instrument :

MSVOA\_L

ClientSampleId :

VL0214ABS01

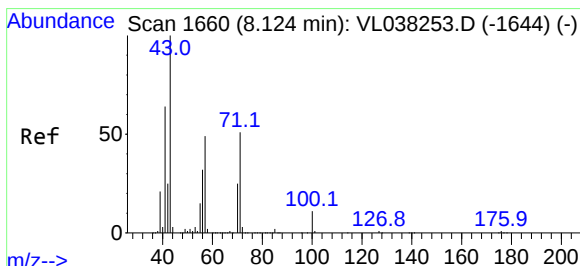
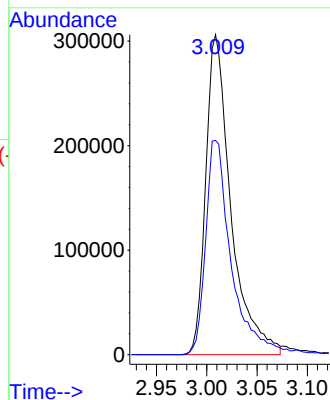
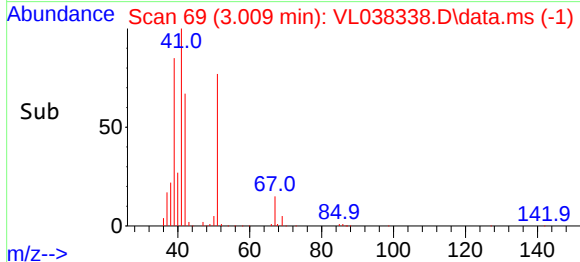


Tgt Ion: 41 Resp: 53339  
 Ion Ratio Lower Upper  
 41 100  
 42 69.2 54.9 82.3

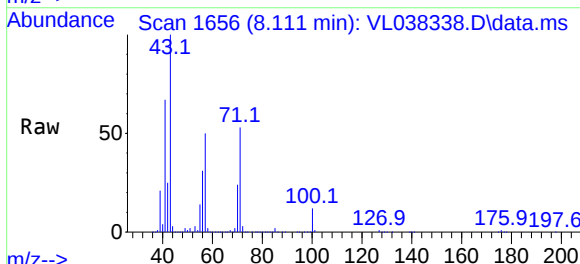
Manual Integrations

APPROVED

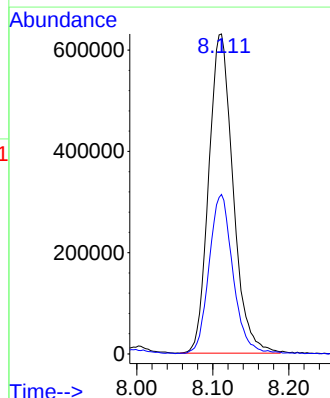
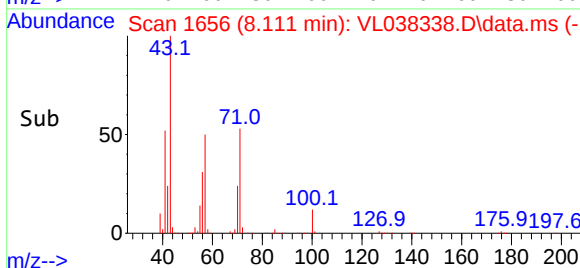
Reviewed By :Semsettin Yesilyurt 02/15/2022  
 Supervised By :Mahesh Dadoda 02/18/2022

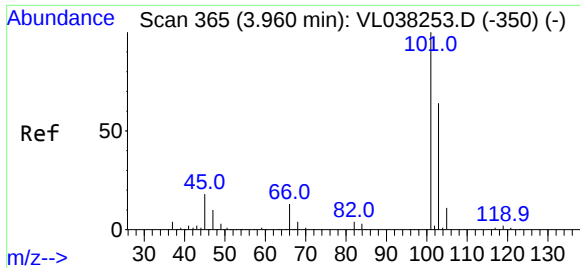


#10  
 Heptane  
 Concen: 9.444 ppbv  
 RT: 8.111 min Scan# 1656  
 Delta R.T. -0.013 min  
 Lab File: VL038338.D  
 Acq: 14 Feb 2022 12:32



Tgt Ion: 43 Resp: 1397515  
 Ion Ratio Lower Upper  
 43 100  
 57 49.4 39.5 59.3





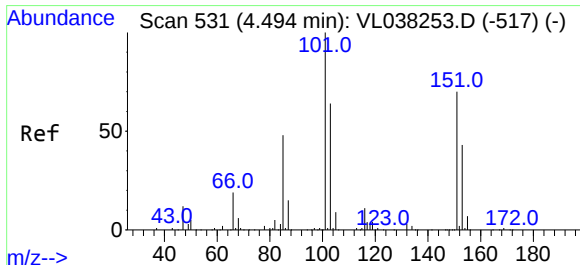
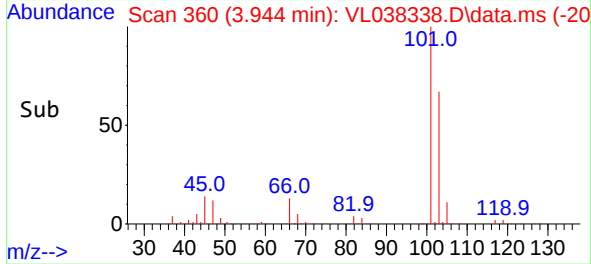
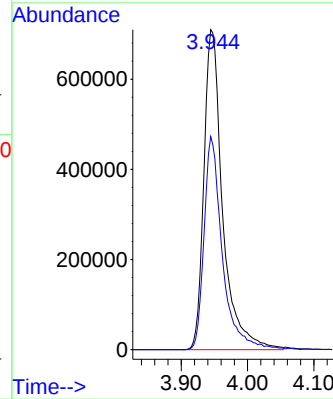
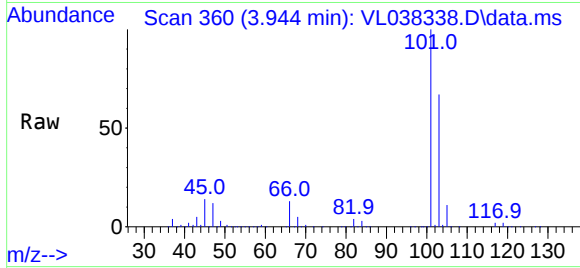
#11  
Trichlorofluoromethane  
Concen: 9.468 ppbv  
RT: 3.944 min Scan# 30  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01

Tgt Ion:101 Resp: 139356  
Ion Ratio Lower Upper  
101 100  
103 66.6 51.2 76.8

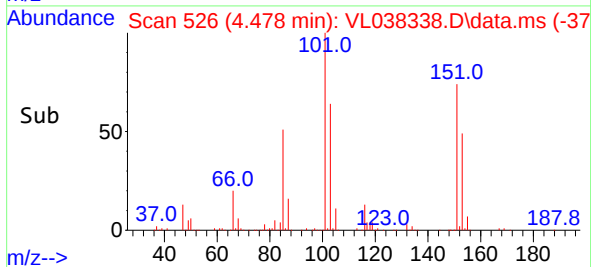
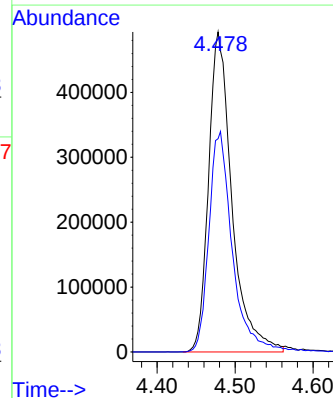
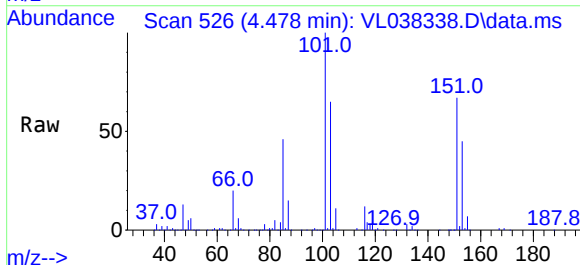
Manual Integrations  
APPROVED

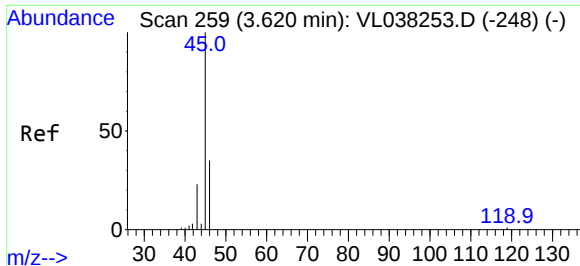
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022



#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 9.221 ppbv  
RT: 4.478 min Scan# 526  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

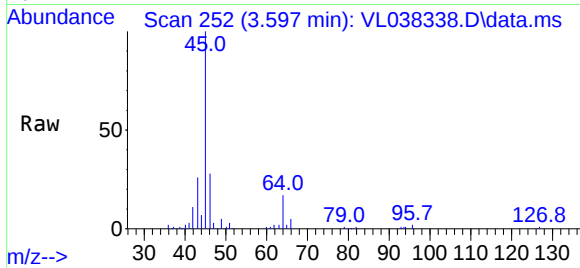
Tgt Ion:101 Resp: 1025928  
Ion Ratio Lower Upper  
101 100  
151 69.7 55.3 82.9





#13  
Ethanol  
Concen: 17.031 ppbv m  
RT: 3.597 min Scan# 252  
Delta R.T. -0.022 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

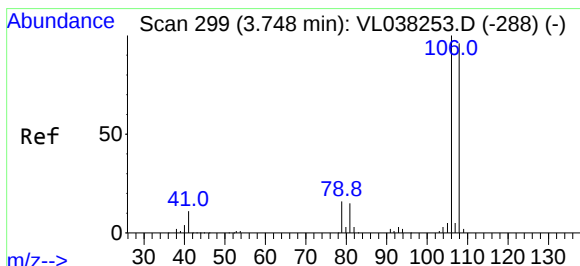
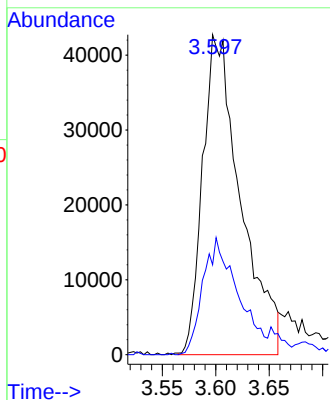
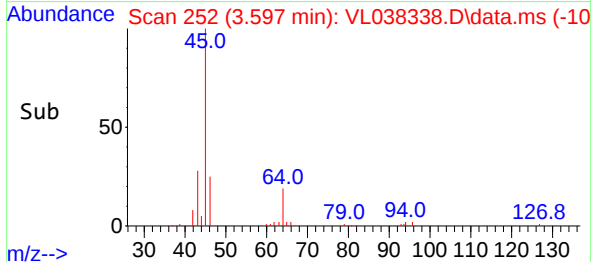
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01



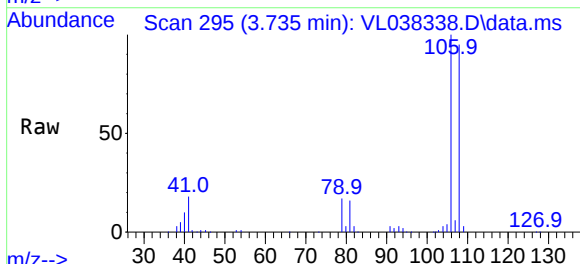
Tgt Ion: 45 Resp: 105160  
Ion Ratio Lower Upper  
45 100  
46 0.0 15.4 61.6

Manual Integrations  
APPROVED

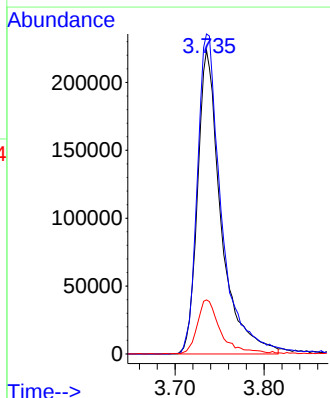
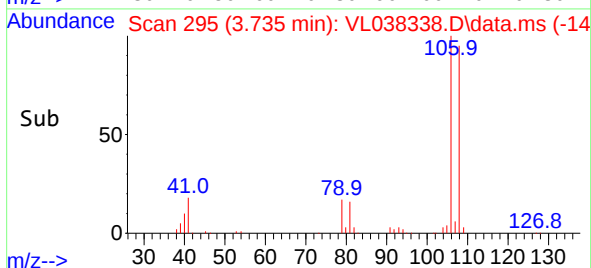
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022

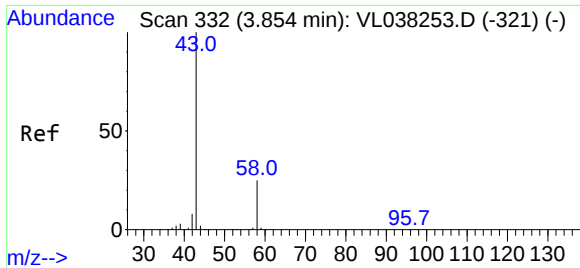


#14  
Bromoethene  
Concen: 9.407 ppbv  
RT: 3.735 min Scan# 295  
Delta R.T. -0.013 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32



Tgt Ion:108 Resp: 409002  
Ion Ratio Lower Upper  
108 100  
106 109.7 86.4 129.6  
79 18.4 14.1 21.1





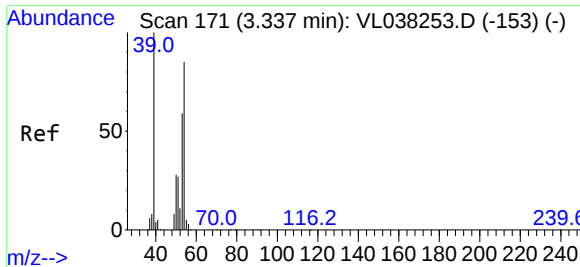
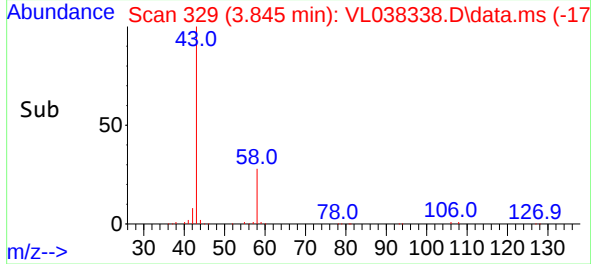
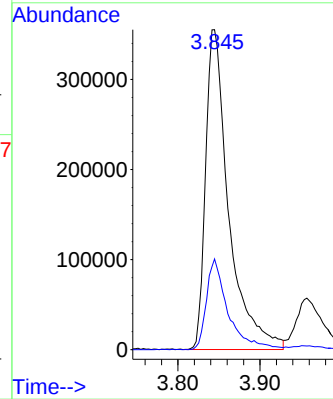
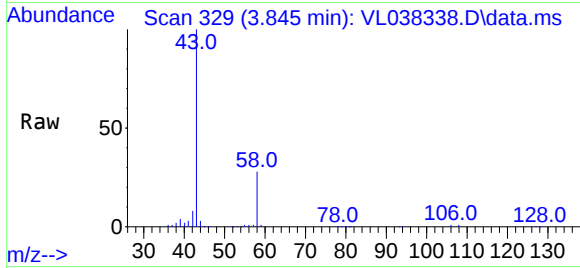
#15  
Acetone  
Concen: 8.893 ppbv  
RT: 3.845 min Scan# 31  
Delta R.T. -0.010 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01

Tgt Ion: 43 Resp: 69579  
Ion Ratio Lower Upper  
43 100  
58 26.8 21.5 32.3

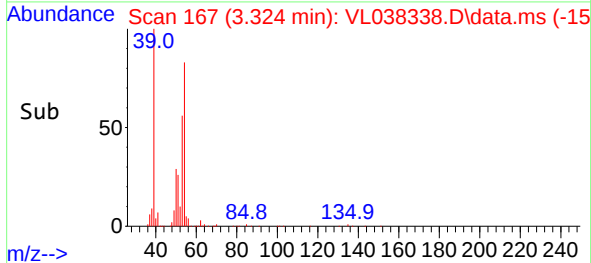
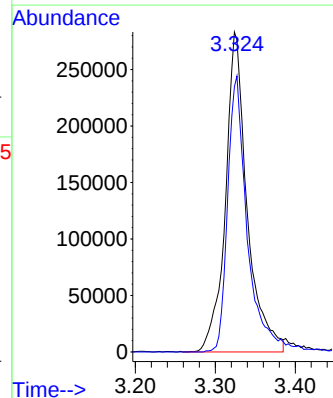
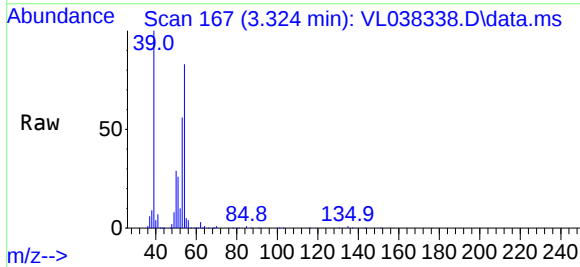
Manual Integrations  
APPROVED

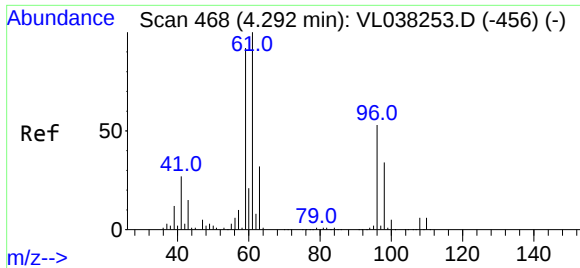
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022



#16  
1,3-Butadiene  
Concen: 9.508 ppbv  
RT: 3.324 min Scan# 167  
Delta R.T. -0.013 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

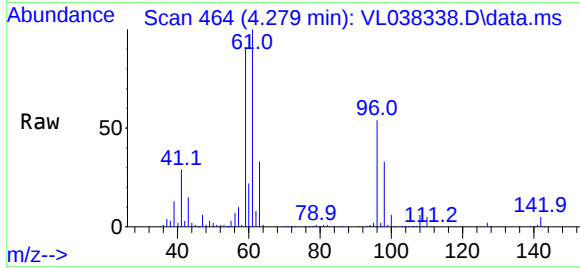
Tgt Ion: 39 Resp: 533849  
Ion Ratio Lower Upper  
39 100  
54 79.4 62.6 94.0





#17  
tert-Butyl alcohol  
Concen: 9.417 ppbv  
RT: 4.279 min Scan# 408  
Delta R.T. -0.013 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

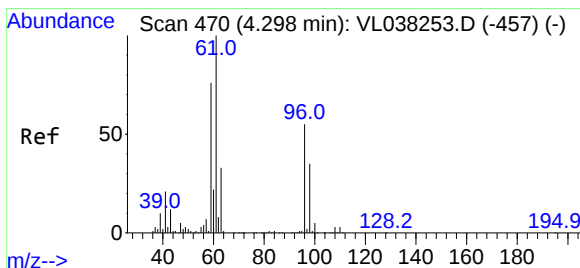
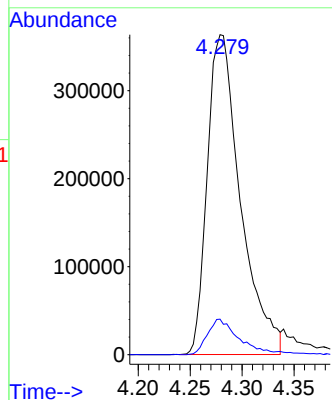
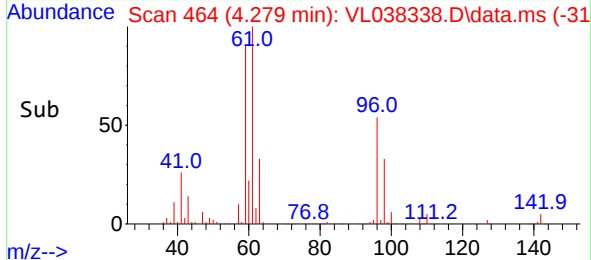
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01



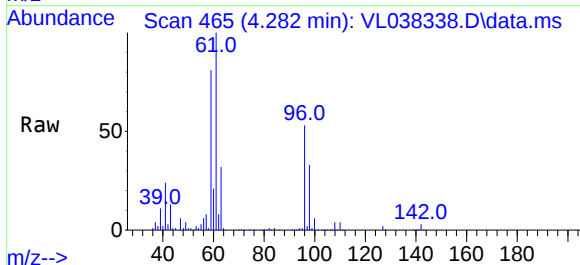
Tgt Ion: 59 Resp: 80866  
Ion Ratio Lower Upper  
59 100  
57 11.0 9.2 13.8

Manual Integrations  
APPROVED

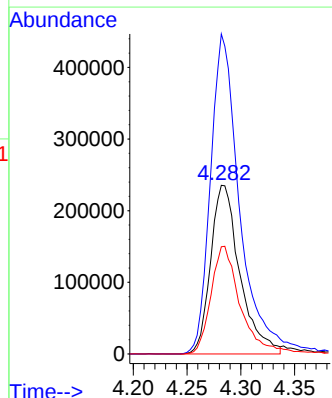
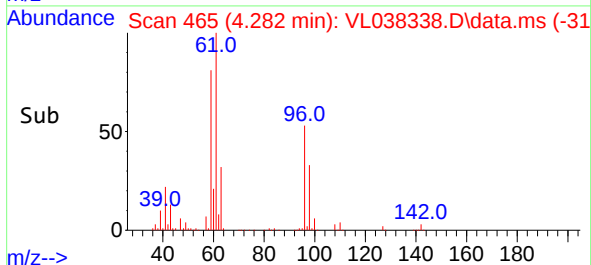
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022

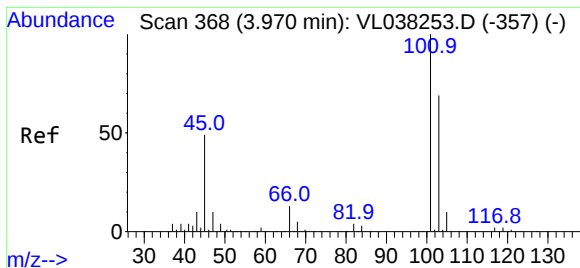


#18  
1,1-Dichloroethene  
Concen: 9.218 ppbv  
RT: 4.282 min Scan# 465  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32



Tgt Ion: 96 Resp: 445992  
Ion Ratio Lower Upper  
96 100  
61 189.7 146.5 219.7  
98 63.5 51.9 77.9





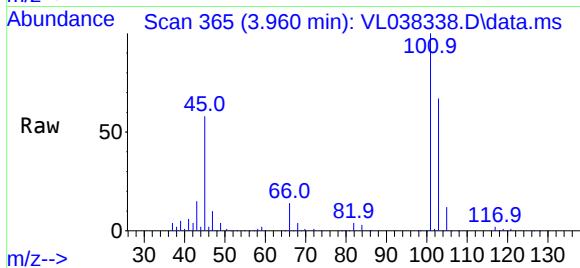
#19  
Isopropyl Alcohol  
Concen: 9.608 ppbv  
RT: 3.960 min Scan# 30  
Delta R.T. -0.010 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

Instrument :

MSVOA\_L

ClientSampleId :

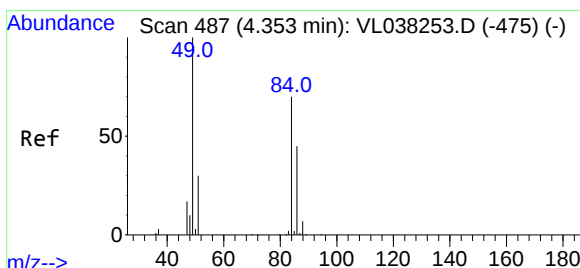
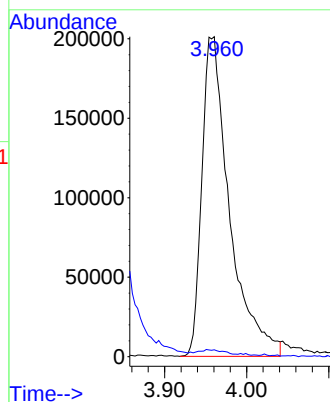
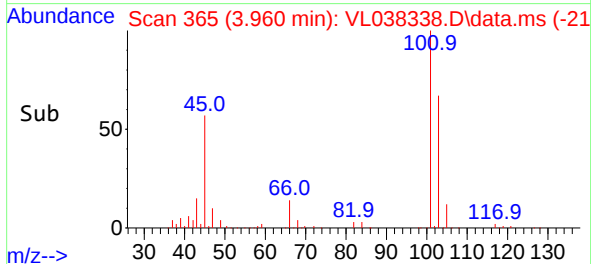
VL0214ABS01



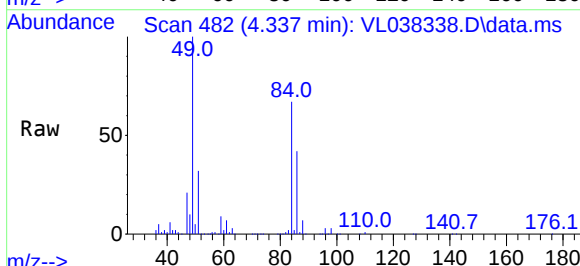
Tgt Ion: 45 Resp: 470278  
Ion Ratio Lower Upper  
45 100  
58 2.3 2.3 3.5

Manual Integrations  
APPROVED

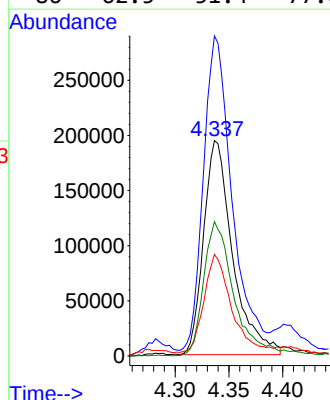
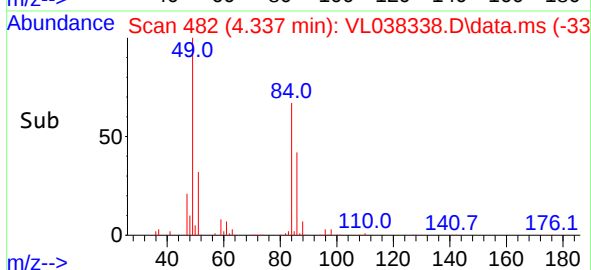
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022

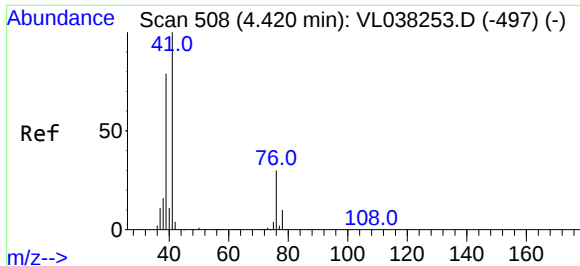


#20  
Methylene Chloride  
Concen: 8.038 ppbv  
RT: 4.337 min Scan# 482  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32



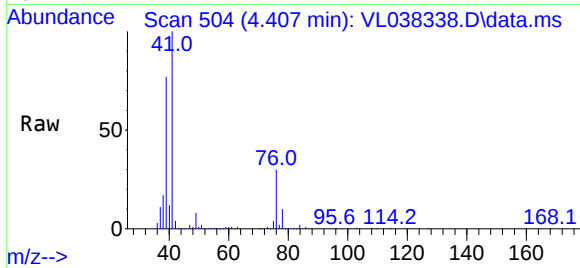
Tgt Ion: 84 Resp: 365751  
Ion Ratio Lower Upper  
84 100  
49 146.8 115.0 172.6  
51 45.7 35.0 52.6  
86 62.5 51.4 77.0





#21  
 Allyl Chloride  
 Concen: 9.429 ppbv  
 RT: 4.407 min Scan# 508  
 Delta R.T. -0.013 min  
 Lab File: VL038338.D  
 Acq: 14 Feb 2022 12:32

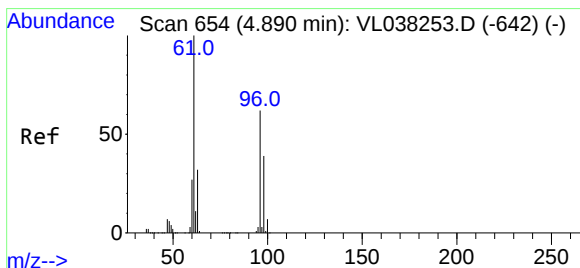
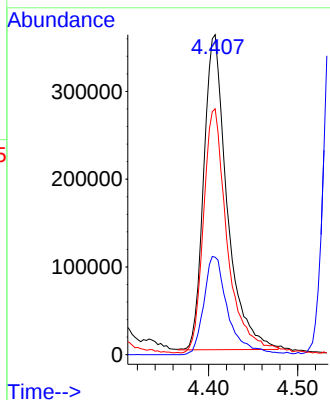
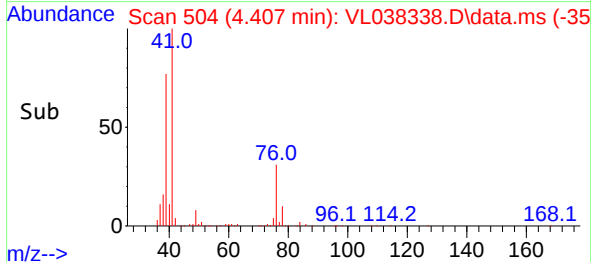
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0214ABS01



Tgt Ion: 41 Resp: 65270  
 Ion Ratio Lower Upper  
 41 100  
 76 32.5 25.0 37.6  
 39 81.0 63.0 94.6

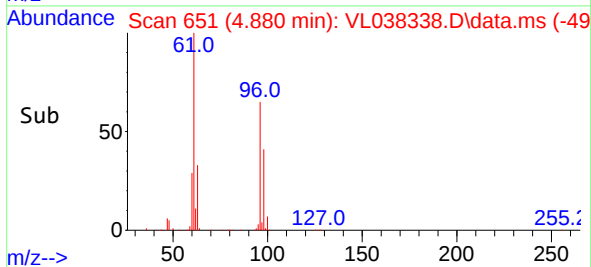
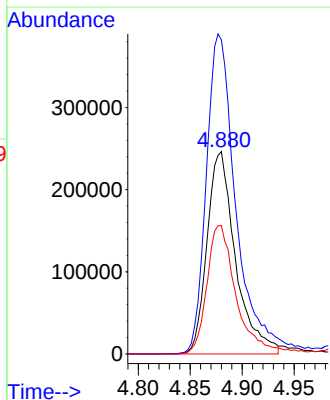
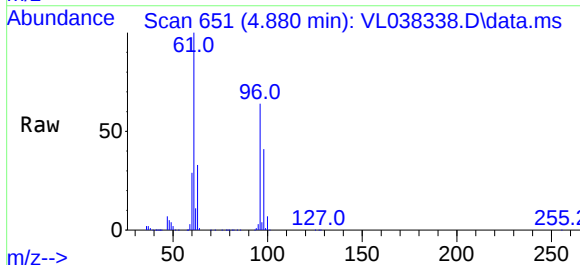
Manual Integrations  
 APPROVED

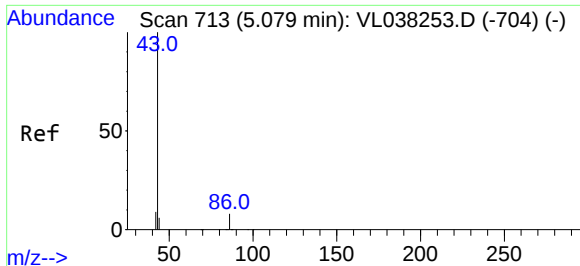
Reviewed By :Semsettin Yesilyurt 02/15/2022  
 Supervised By :Mahesh Dadoda 02/18/2022



#22  
 trans-1,2-Dichloroethene  
 Concen: 9.406 ppbv  
 RT: 4.880 min Scan# 651  
 Delta R.T. -0.010 min  
 Lab File: VL038338.D  
 Acq: 14 Feb 2022 12:32

Tgt Ion: 96 Resp: 470229  
 Ion Ratio Lower Upper  
 96 100  
 61 155.0 128.8 193.2  
 98 63.5 49.8 74.8





#23  
 Vinyl Acetate  
 Concen: 9.507 ppbv  
 RT: 5.063 min Scan# 708  
 Delta R.T. -0.016 min  
 Lab File: VL038338.D  
 Acq: 14 Feb 2022 12:32

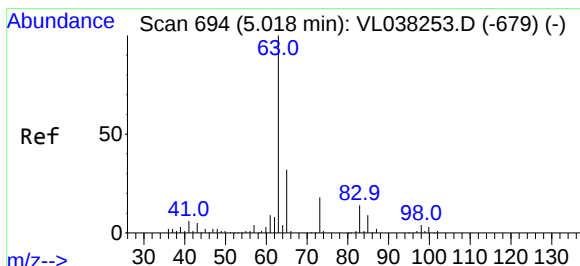
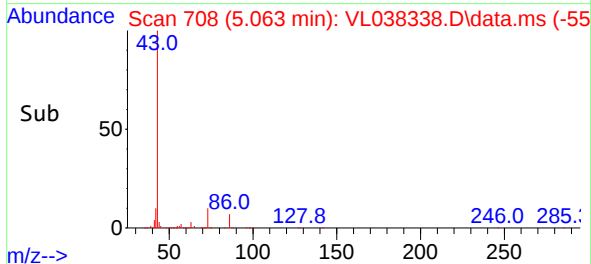
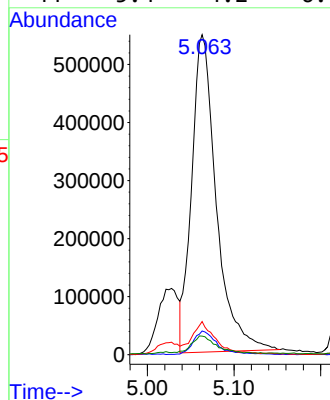
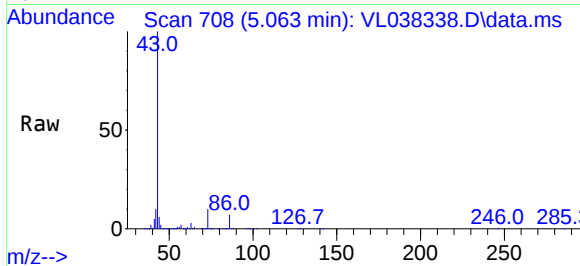
Instrument : MSVOA\_L  
 ClientSampleId : VL0214ABS01

Tgt Ion: 43 Resp: 108143

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 7.5   | 5.7   | 8.5   |
| 42  | 10.3  | 7.7   | 11.5  |
| 44  | 5.4   | 4.2   | 6.4   |

Manual Integrations  
 APPROVED

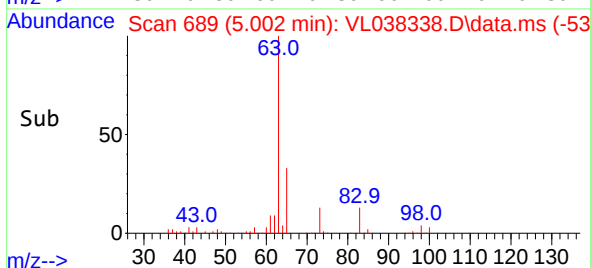
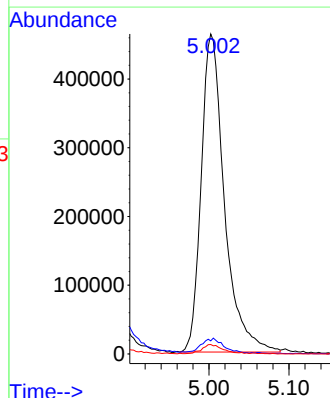
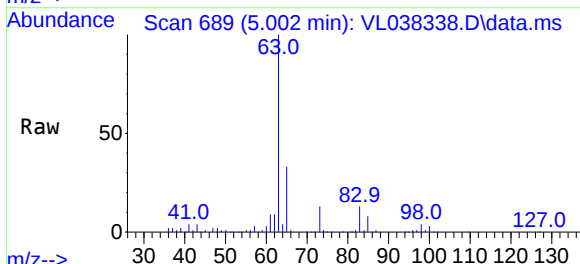
Reviewed By :Semsettin Yesilyurt 02/15/2022  
 Supervised By :Mahesh Dadoda 02/18/2022

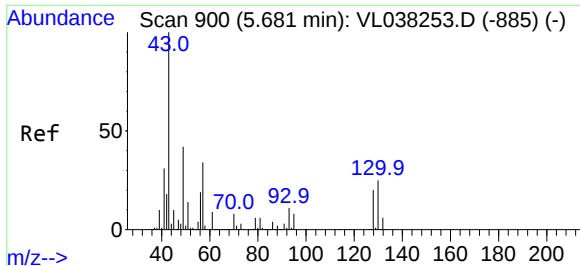


#24  
 1,1-Dichloroethane  
 Concen: 9.247 ppbv  
 RT: 5.002 min Scan# 689  
 Delta R.T. -0.016 min  
 Lab File: VL038338.D  
 Acq: 14 Feb 2022 12:32

Tgt Ion: 63 Resp: 937077

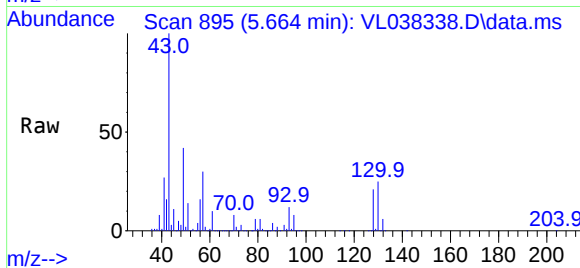
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 3.9   | 2.3   | 6.8   |
| 100 | 2.9   | 1.3   | 3.9   |





#25  
Ethyl Acetate  
Concen: 9.744 ppbv  
RT: 5.664 min Scan# 895  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01

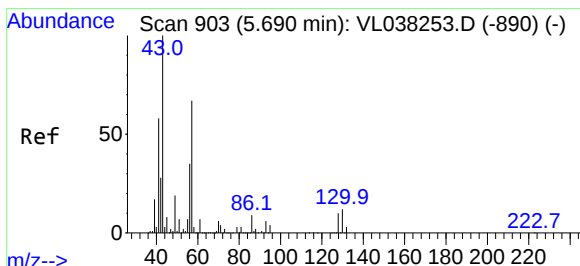
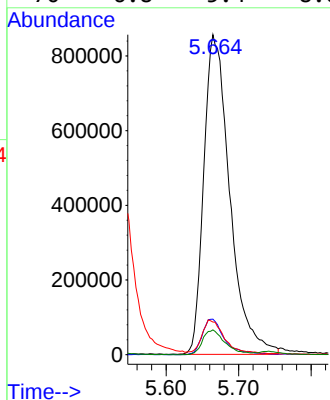
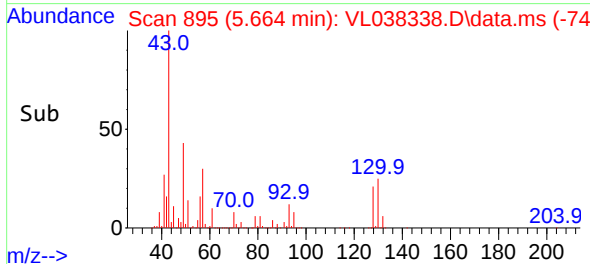


Tgt Ion: 43 Resp: 213448

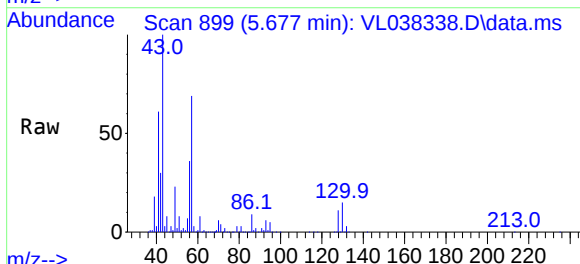
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 9.9   | 7.9   | 11.9  |
| 61  | 10.3  | 7.8   | 11.8  |
| 70  | 6.8   | 5.4   | 8.0   |

Manual Integrations  
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Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022

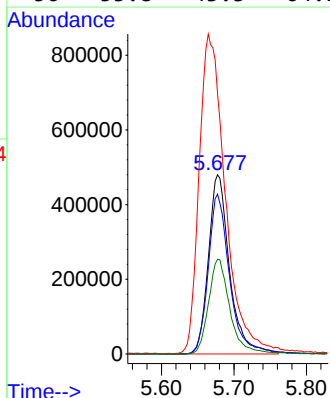
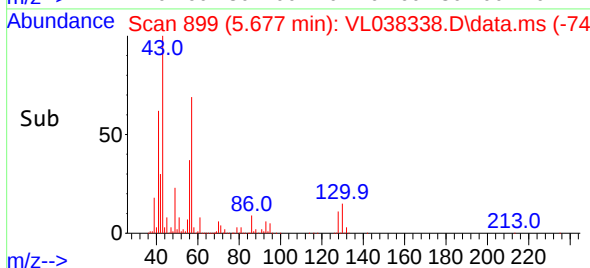


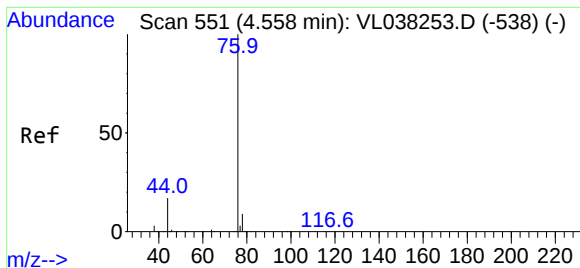
#26  
Hexane  
Concen: 9.529 ppbv  
RT: 5.677 min Scan# 899  
Delta R.T. -0.013 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32



Tgt Ion: 57 Resp: 970873

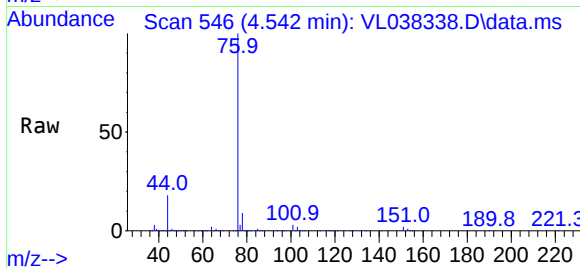
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 91.1  | 72.8  | 109.2 |
| 43  | 222.7 | 177.0 | 265.6 |
| 56  | 53.8  | 43.3  | 64.9  |





#27  
Carbon Disulfide  
Concen: 9.632 ppbv  
RT: 4.542 min Scan# 54  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

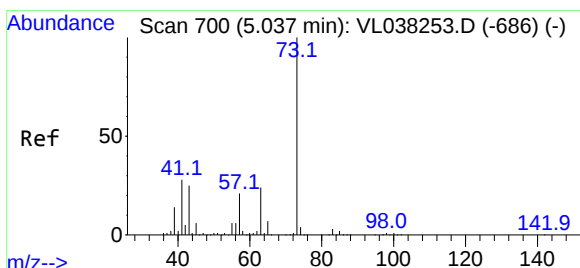
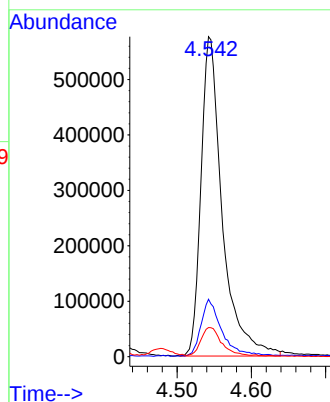
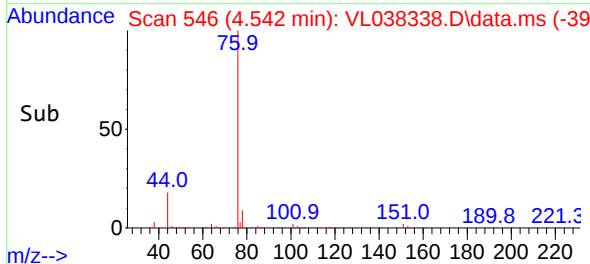
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01



Tgt Ion: 76 Resp: 1148178  
Ion Ratio Lower Upper  
76 100  
44 17.8 14.8 22.2  
78 9.7 7.9 11.9

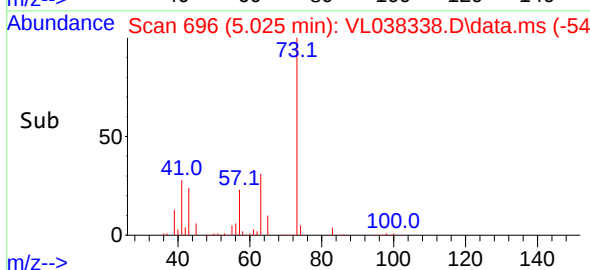
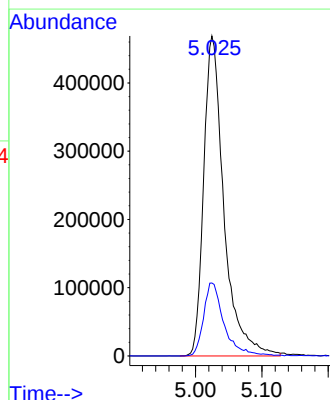
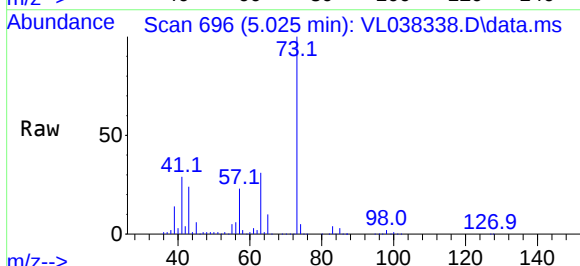
Manual Integrations  
APPROVED

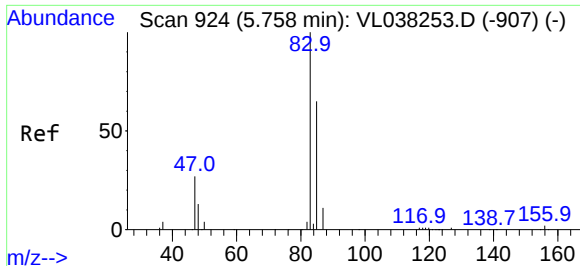
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022



#28  
Methyl tert-Butyl Ether  
Concen: 9.390 ppbv  
RT: 5.025 min Scan# 696  
Delta R.T. -0.013 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

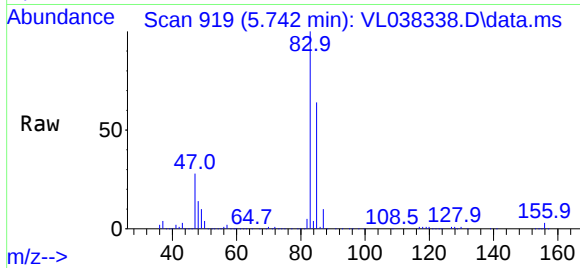
Tgt Ion: 73 Resp: 992509  
Ion Ratio Lower Upper  
73 100  
57 23.3 18.2 27.4





#29  
Chloroform  
Concen: 9.540 ppbv  
RT: 5.742 min Scan# 91  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

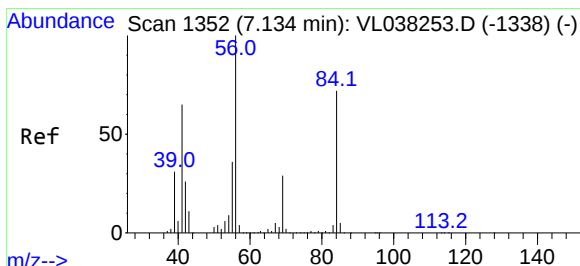
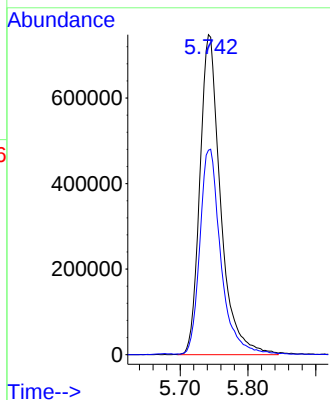
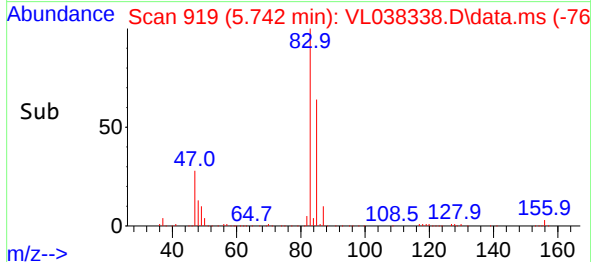
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01



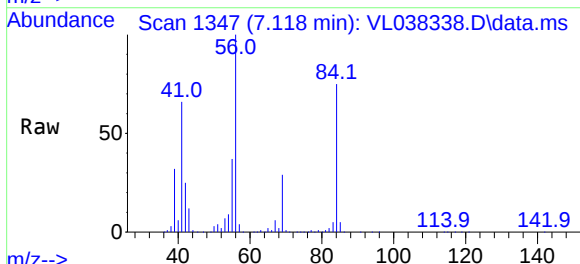
Tgt Ion: 83 Resp: 158668  
Ion Ratio Lower Upper  
83 100  
85 63.7 51.9 77.9

Manual Integrations  
APPROVED

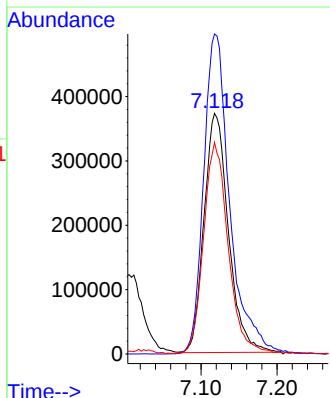
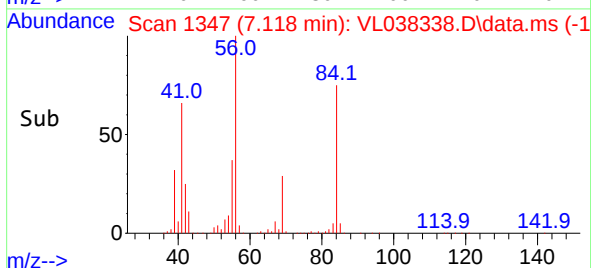
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022

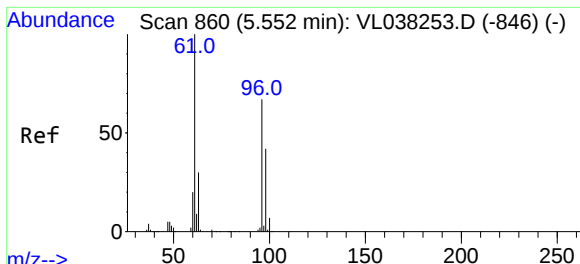


#30  
Cyclohexane  
Concen: 9.371 ppbv  
RT: 7.118 min Scan# 1347  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32



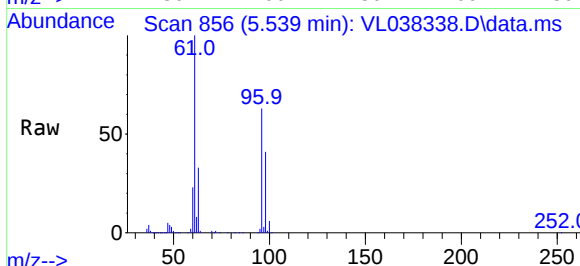
Tgt Ion: 84 Resp: 831358  
Ion Ratio Lower Upper  
84 100  
56 143.6 112.7 169.1  
41 89.2 71.1 106.7





#31  
 cis-1,2-Dichloroethene  
 Concen: 10.609 ppbv  
 RT: 5.539 min Scan# 81  
 Delta R.T. -0.013 min  
 Lab File: VL038338.D  
 Acq: 14 Feb 2022 12:32

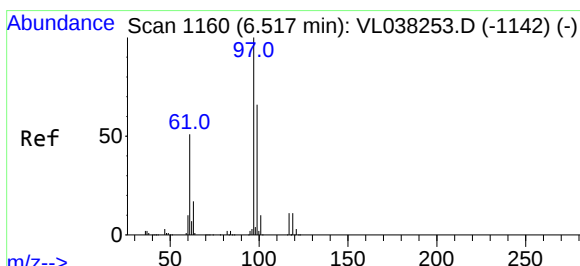
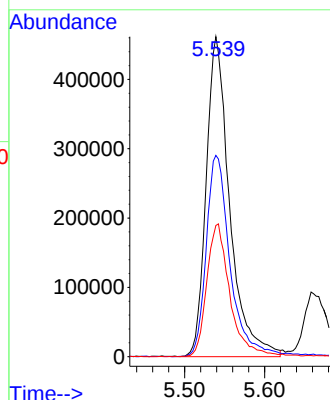
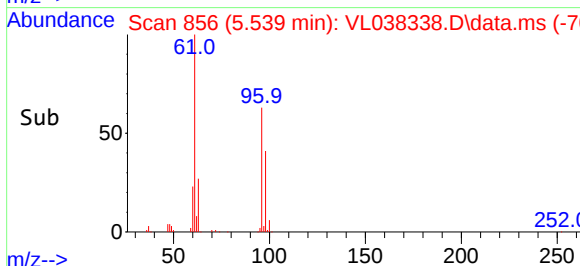
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0214ABS01



Tgt Ion: 61 Resp: 94295  
 Ion Ratio Lower Upper  
 61 100  
 96 62.8 53.3 79.9  
 98 40.9 33.7 50.5

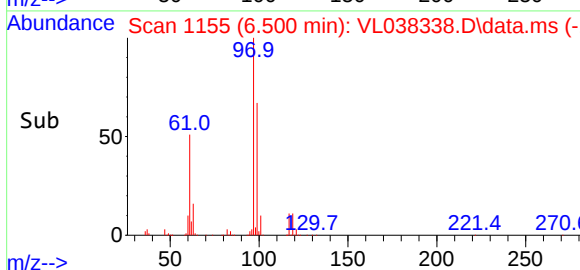
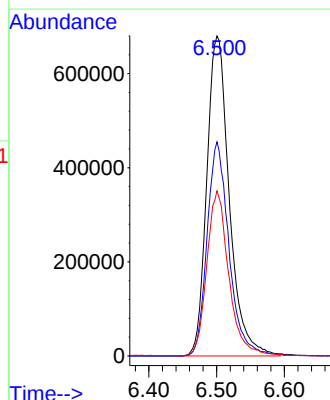
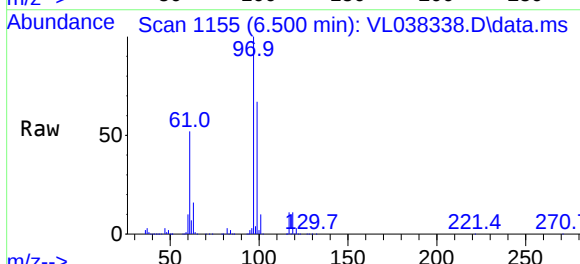
Manual Integrations  
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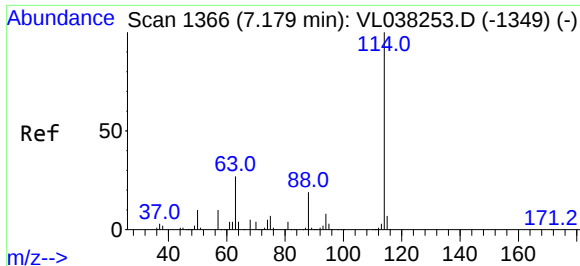
Reviewed By :Semsettin Yesilyurt 02/15/2022  
 Supervised By :Mahesh Dadoda 02/18/2022



#32  
 1,1,1-Trichloroethane  
 Concen: 9.452 ppbv  
 RT: 6.500 min Scan# 1155  
 Delta R.T. -0.016 min  
 Lab File: VL038338.D  
 Acq: 14 Feb 2022 12:32

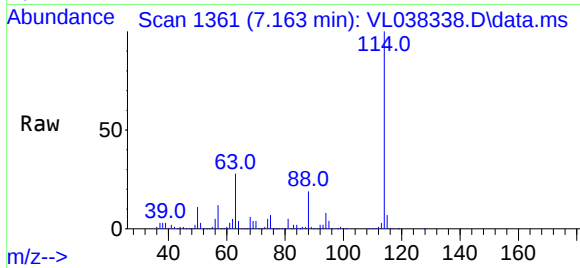
Tgt Ion: 97 Resp: 1570150  
 Ion Ratio Lower Upper  
 97 100  
 99 65.4 51.5 77.3  
 61 50.8 40.5 60.7





#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.163 min Scan# 114  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

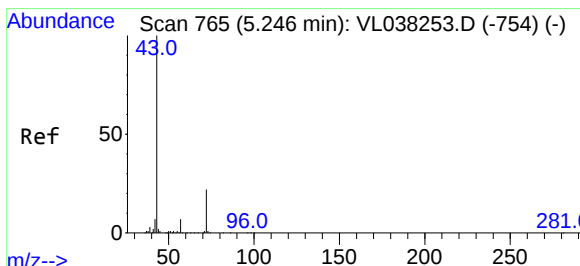
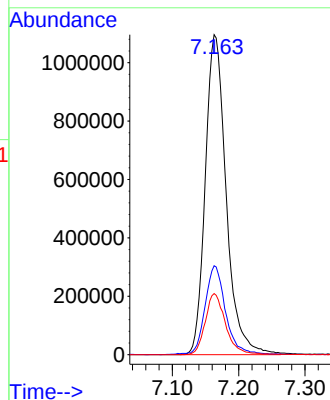
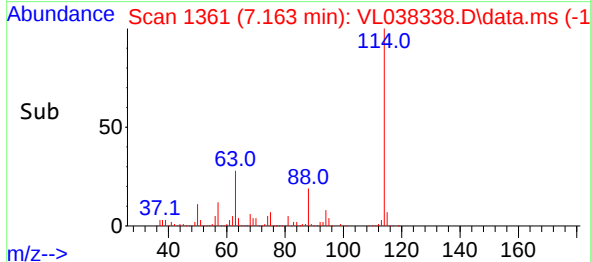
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01



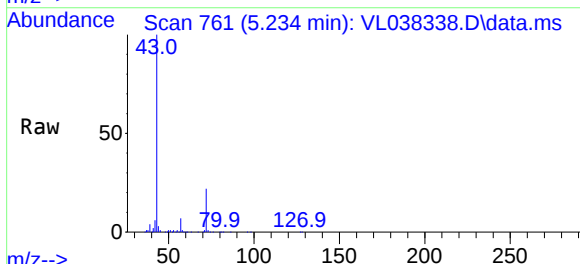
Tgt Ion:114 Resp: 2399284  
Ion Ratio Lower Upper  
114 100  
63 27.4 22.0 33.0  
88 18.7 15.0 22.6

Manual Integrations  
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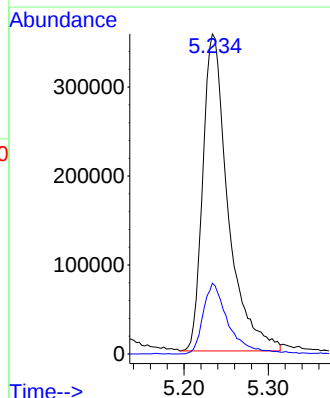
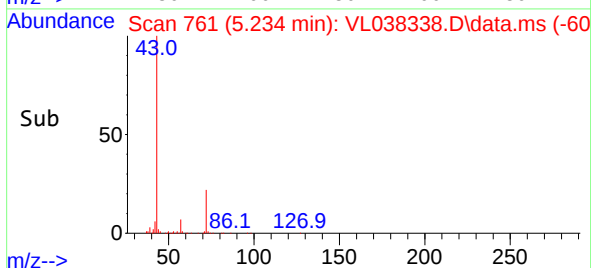
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022

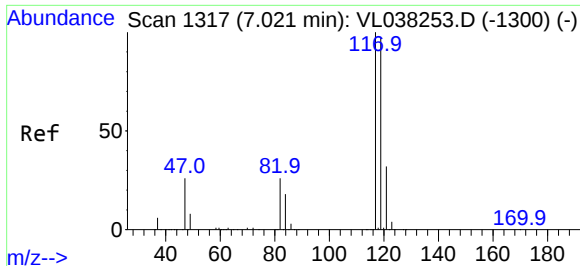


#34  
2-Butanone  
Concen: 9.469 ppbv  
RT: 5.234 min Scan# 761  
Delta R.T. -0.013 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32



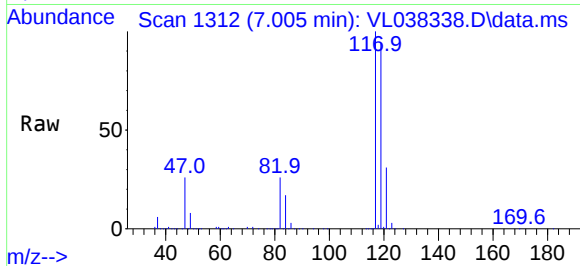
Tgt Ion: 43 Resp: 742934  
Ion Ratio Lower Upper  
43 100  
72 22.7 18.1 27.1





#35  
Carbon Tetrachloride  
Concen: 9.765 ppbv  
RT: 7.005 min Scan# 117  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

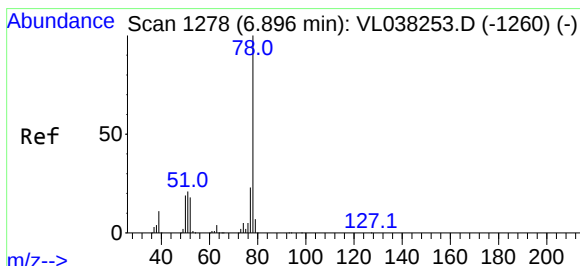
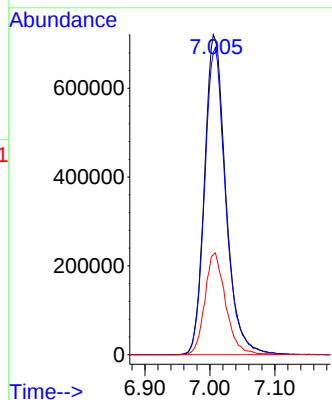
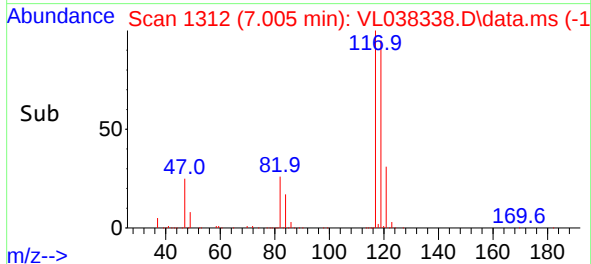
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01



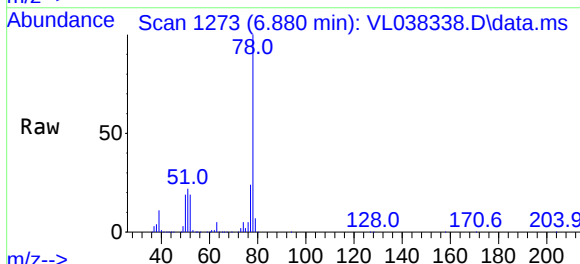
Tgt Ion: 117 Resp: 164464  
Ion Ratio Lower Upper  
117 100  
119 94.3 77.9 116.9  
121 31.3 25.4 38.2

Manual Integrations  
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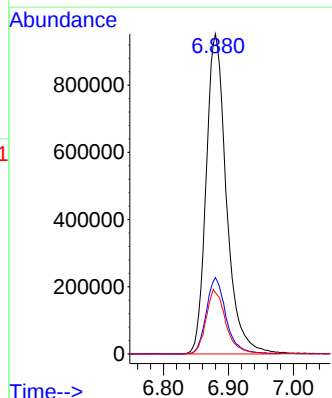
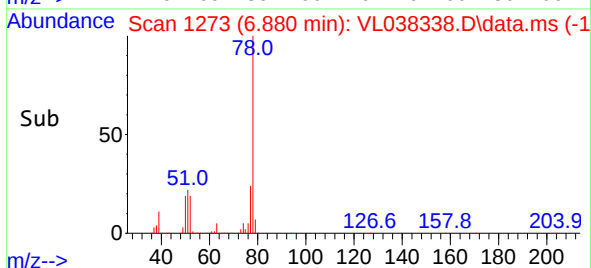
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022

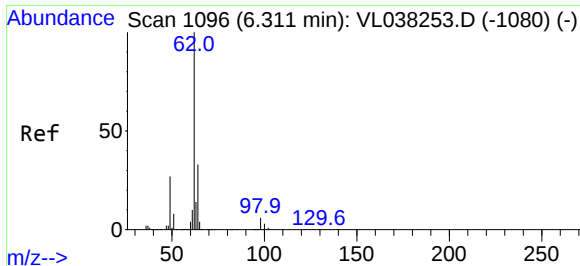


#36  
Benzene  
Concen: 9.735 ppbv  
RT: 6.880 min Scan# 1273  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32



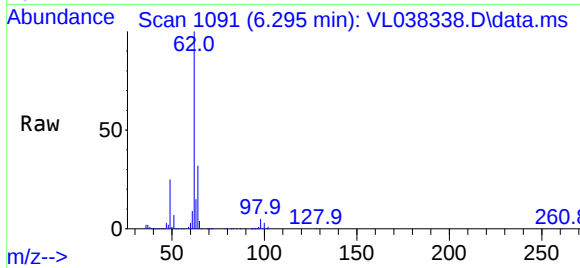
Tgt Ion: 78 Resp: 2066112  
Ion Ratio Lower Upper  
78 100  
77 23.8 18.2 27.2  
50 19.2 15.1 22.7





#37  
1,2-Dichloroethane  
Concen: 9.943 ppbv  
RT: 6.295 min Scan# 1096  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

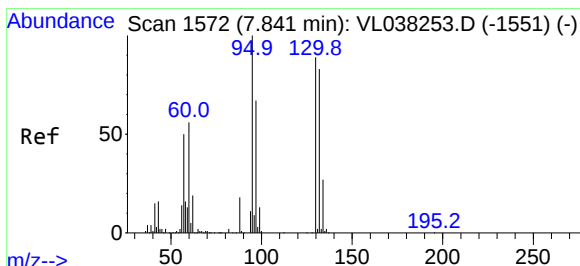
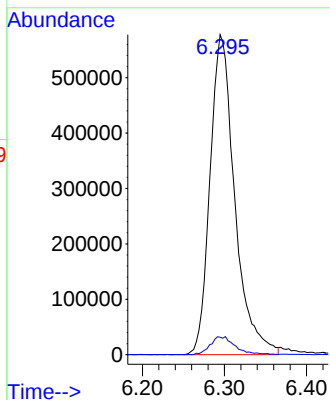
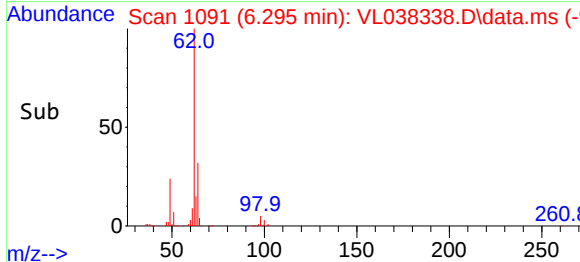
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01



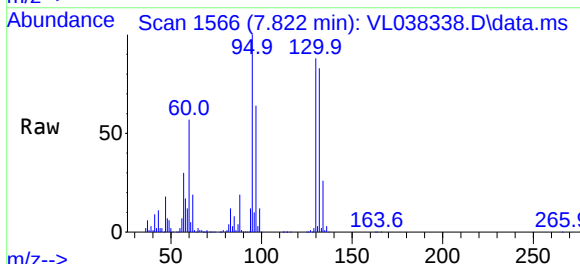
Tgt Ion: 62 Resp: 120868  
Ion Ratio Lower Upper  
62 100  
98 5.8 4.5 6.7

Manual Integrations  
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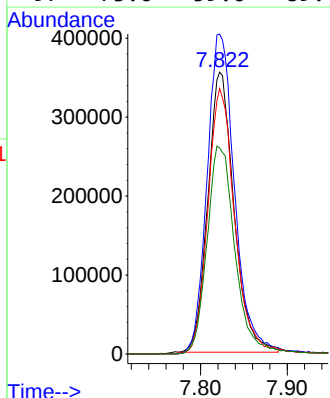
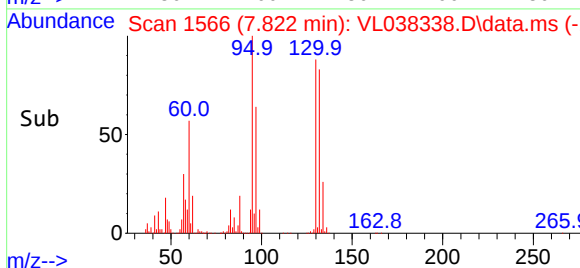
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022

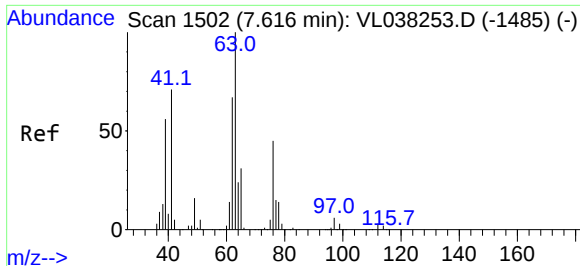


#38  
Trichloroethene  
Concen: 9.449 ppbv  
RT: 7.822 min Scan# 1566  
Delta R.T. -0.019 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32



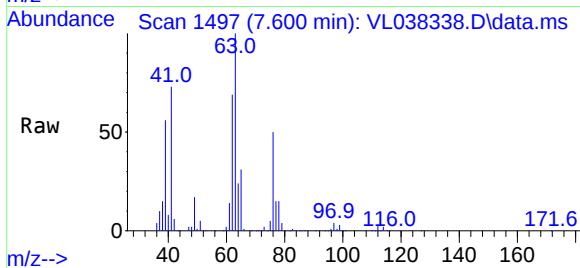
Tgt Ion:130 Resp: 746996  
Ion Ratio Lower Upper  
130 100  
95 114.2 89.4 134.2  
132 94.8 74.6 111.8  
97 73.6 59.6 89.4





#39  
1,2-Dichloropropane  
Concen: 9.445 ppbv  
RT: 7.600 min Scan# 14  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

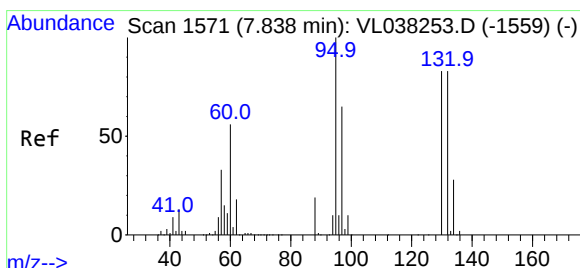
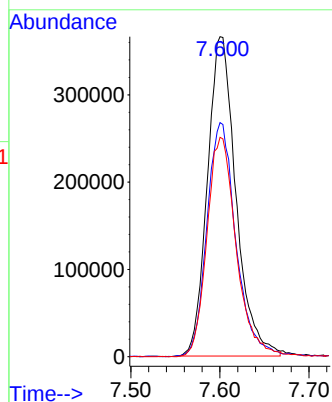
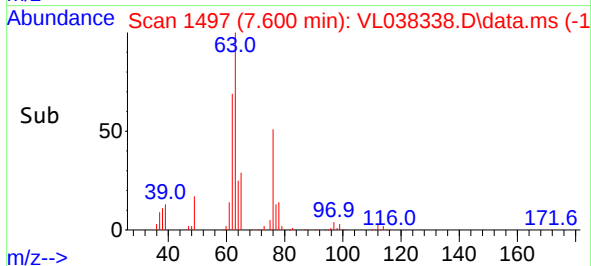
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01



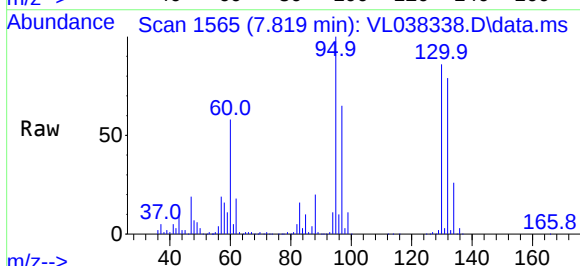
Tgt Ion: 63 Resp: 812699  
Ion Ratio Lower Upper  
63 100  
41 73.0 56.6 85.0  
62 68.5 53.9 80.9

Manual Integrations  
APPROVED

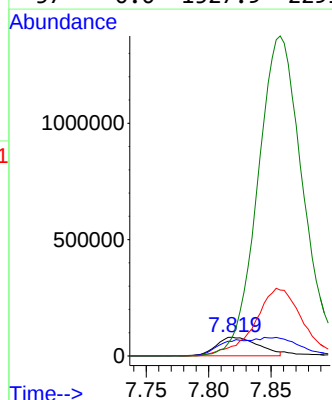
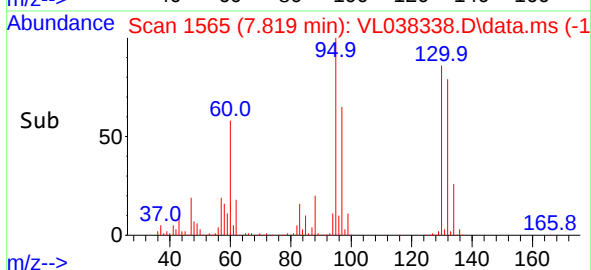
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022

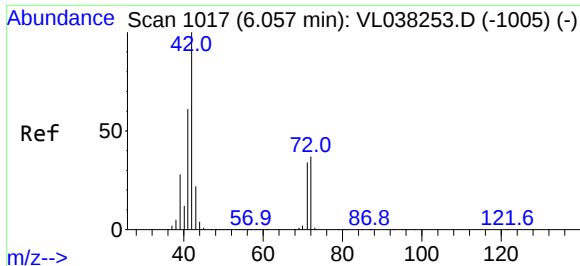


#40  
1,4-Dioxane  
Concen: 9.072 ppbv  
RT: 7.819 min Scan# 1565  
Delta R.T. -0.019 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32



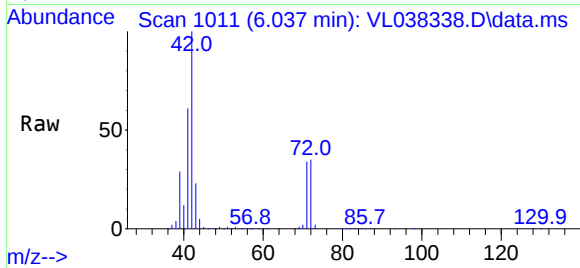
Tgt Ion: 88 Resp: 187866  
Ion Ratio Lower Upper  
88 100  
58 0.0 138.6 208.0#  
43 0.0 346.9 520.3#  
57 0.0 1527.9 2291.9#





#41  
Tetrahydrofuran  
Concen: 9.973 ppbv  
RT: 6.037 min Scan# 1017  
Delta R.T. -0.019 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

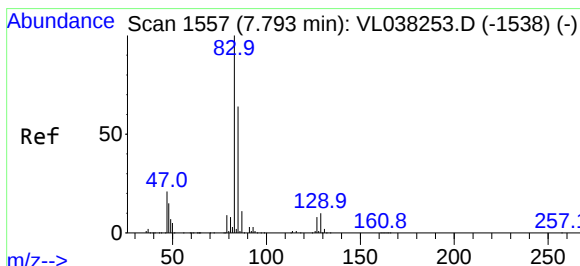
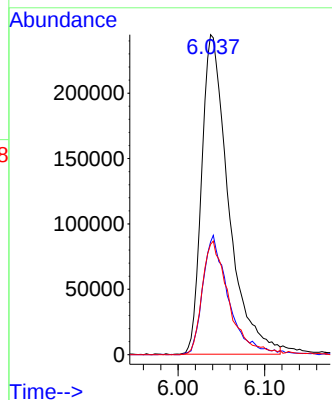
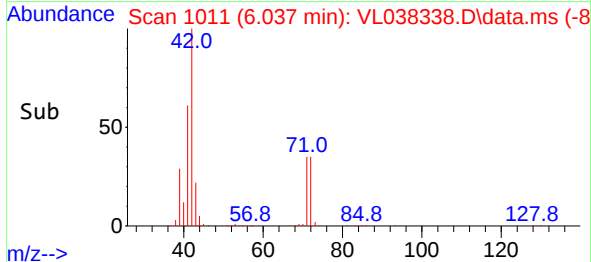
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01



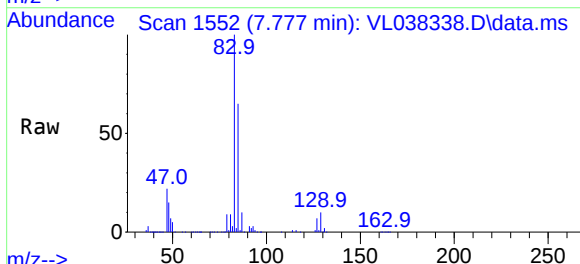
Tgt Ion: 42 Resp: 526030  
Ion Ratio Lower Upper  
42 100  
72 36.5 29.7 44.5  
71 36.4 29.4 44.2

Manual Integrations  
APPROVED

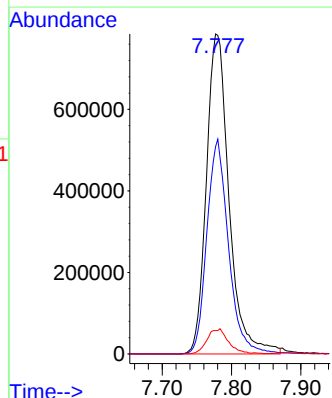
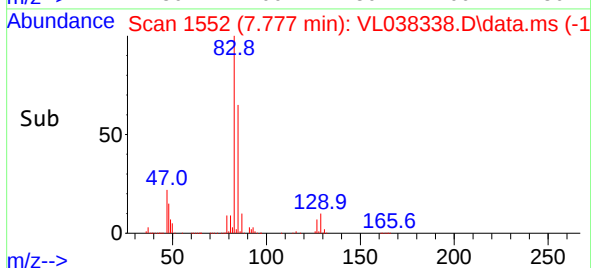
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022

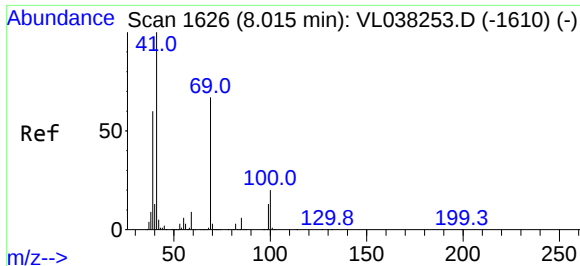


#42  
Bromodichloromethane  
Concen: 9.863 ppbv  
RT: 7.777 min Scan# 1552  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32



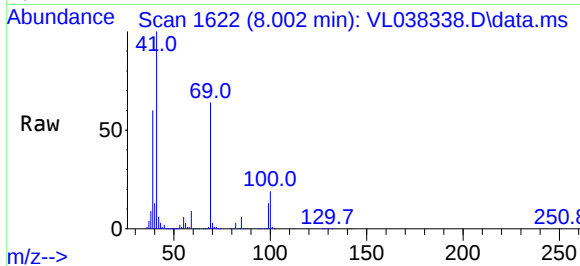
Tgt Ion: 83 Resp: 1778781  
Ion Ratio Lower Upper  
83 100  
85 64.7 51.5 77.3  
127 7.3 6.2 9.4





#43  
Methyl Methacrylate  
Concen: 10.349 ppbv  
RT: 8.002 min Scan# 1622  
Delta R.T. -0.013 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

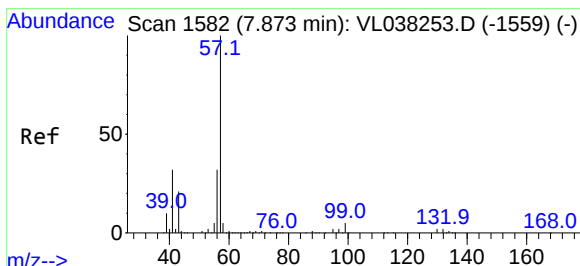
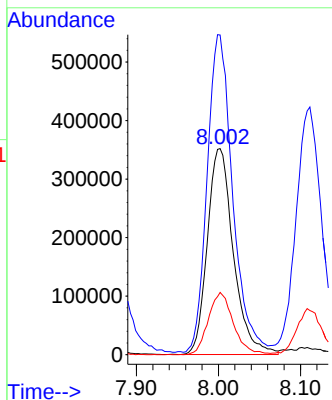
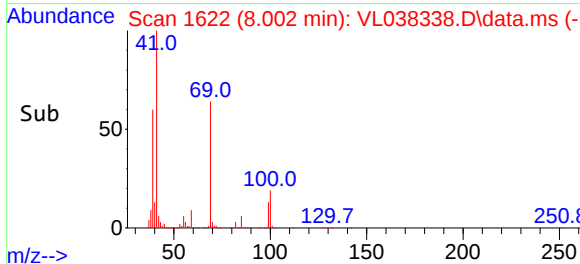
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01



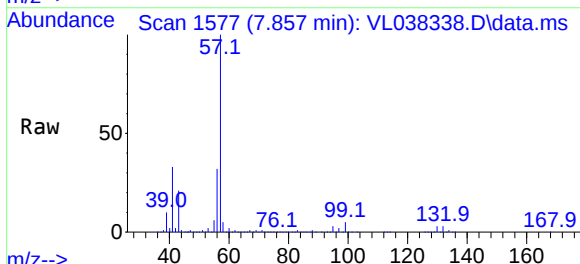
Tgt Ion: 69 Resp: 77690  
Ion Ratio Lower Upper  
69 100  
41 153.8 120.9 181.3  
100 29.0 23.4 35.0

Manual Integrations  
APPROVED

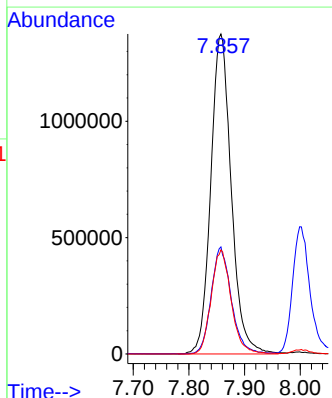
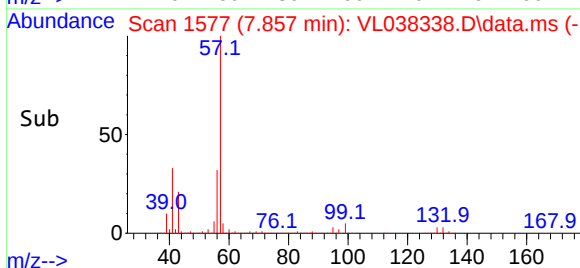
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022

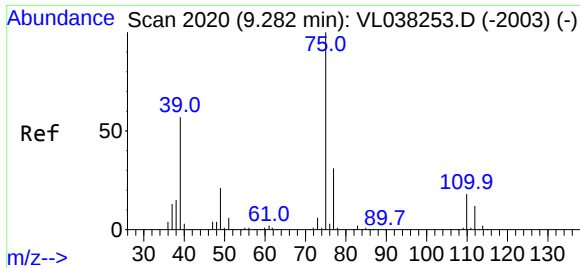


#44  
2,2,4-Trimethylpentane  
Concen: 9.384 ppbv  
RT: 7.857 min Scan# 1577  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32



Tgt Ion: 57 Resp: 3509568  
Ion Ratio Lower Upper  
57 100  
41 32.8 26.3 39.5  
56 31.8 25.2 37.8





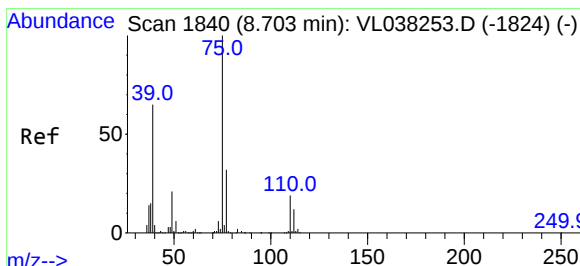
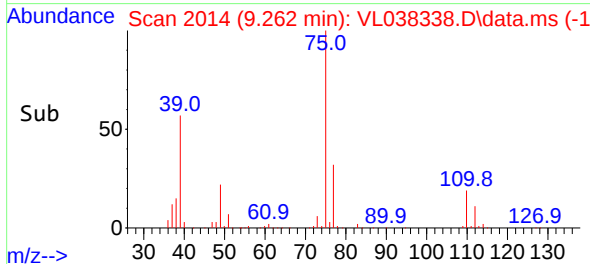
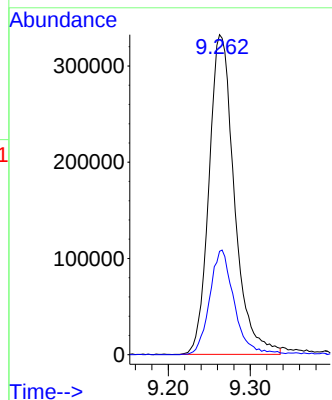
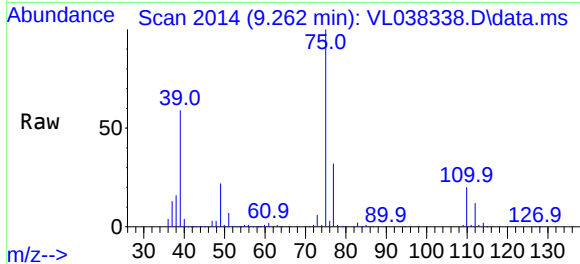
#45  
t-1,3-Dichloropropene  
Concen: 11.708 ppbv  
RT: 9.262 min Scan# 2014  
Delta R.T. -0.019 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01

Tgt Ion: 75 Resp: 71406  
Ion Ratio Lower Upper  
75 100  
77 32.3 24.9 37.3

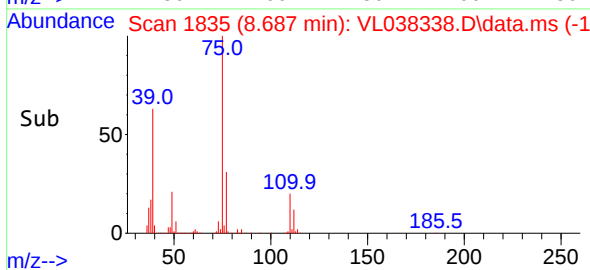
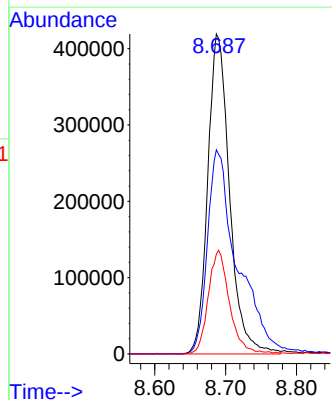
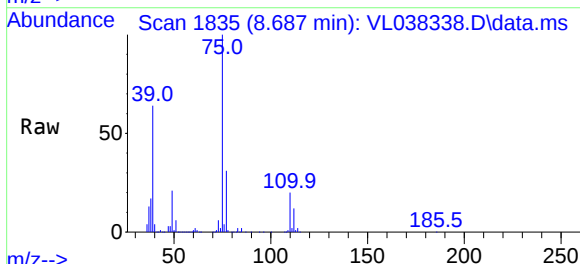
Manual Integrations  
APPROVED

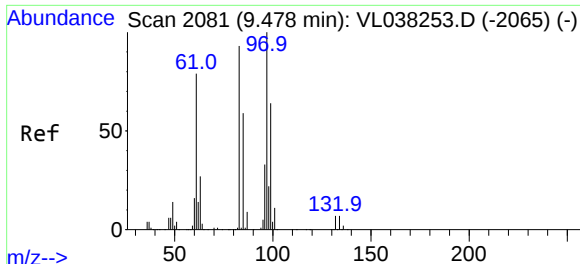
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022



#46  
cis-1,3-Dichloropropene  
Concen: 10.994 ppbv  
RT: 8.687 min Scan# 1835  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

Tgt Ion: 75 Resp: 894621  
Ion Ratio Lower Upper  
75 100  
39 63.7 52.3 78.5  
77 31.2 25.4 38.0





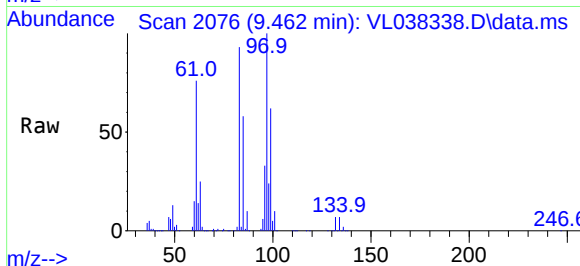
#47  
1,1,2-Trichloroethane  
Concen: 9.739 ppbv  
RT: 9.462 min Scan# 2081  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

Instrument :

MSVOA\_L

ClientSampleId :

VL0214ABS01

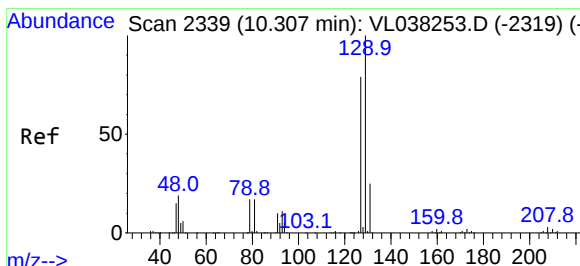
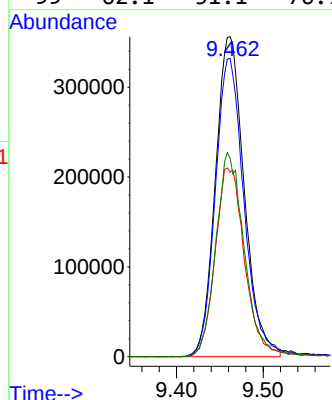
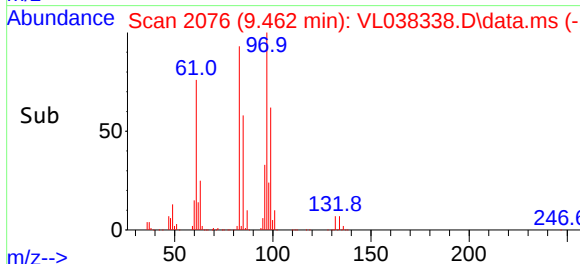


Tgt Ion: 97 Resp: 823364  
Ion Ratio Lower Upper  
97 100  
83 93.3 74.3 111.5  
85 57.7 47.5 71.3  
99 62.1 51.1 76.7

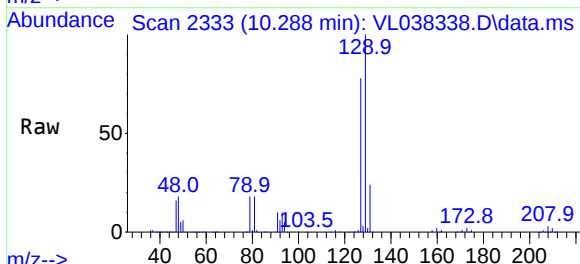
Manual Integrations

APPROVED

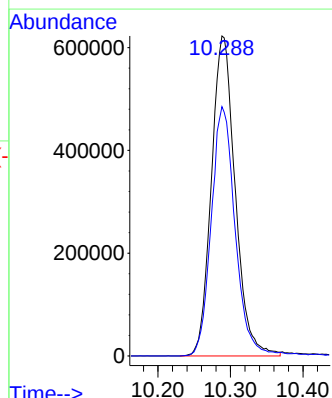
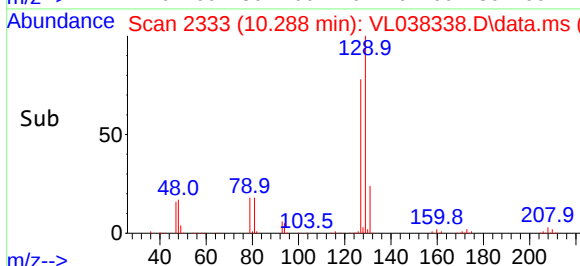
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022

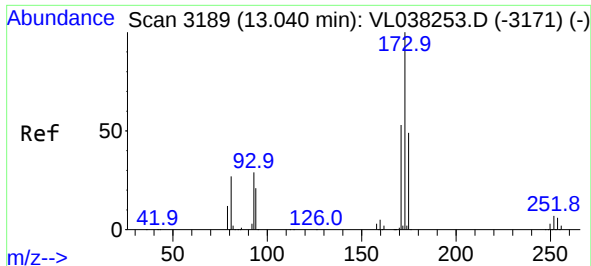


#48  
Dibromochloromethane  
Concen: 9.984 ppbv  
RT: 10.288 min Scan# 2333  
Delta R.T. -0.019 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32



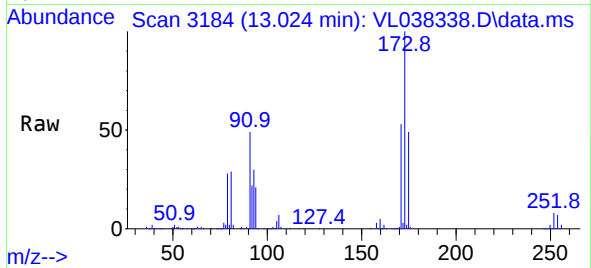
Tgt Ion:129 Resp: 1421005  
Ion Ratio Lower Upper  
129 100  
127 79.0 39.1 117.3





#49  
Bromoform  
Concen: 10.427 ppbv  
RT: 13.024 min Scan# 3189  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

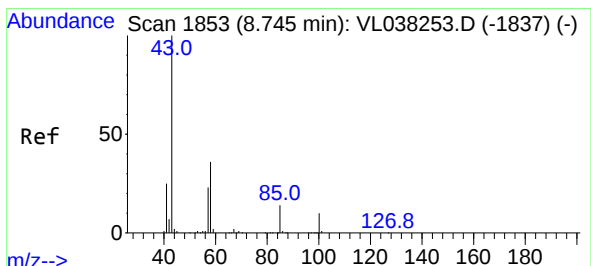
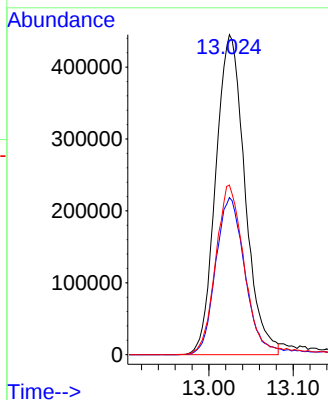
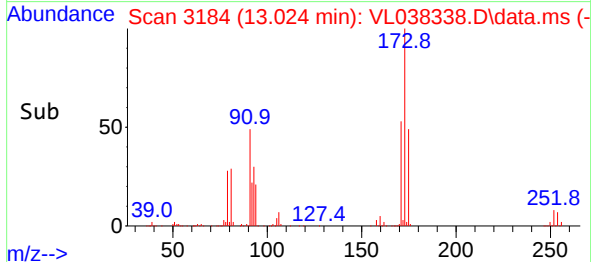
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01



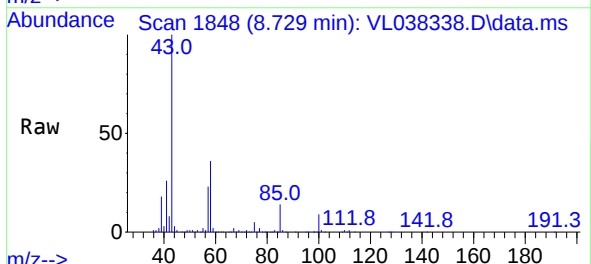
Tgt Ion:173 Resp: 1069939  
Ion Ratio Lower Upper  
173 100  
175 51.3 39.7 59.5  
171 55.0 42.1 63.1

Manual Integrations  
APPROVED

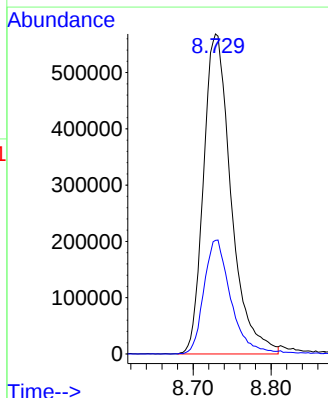
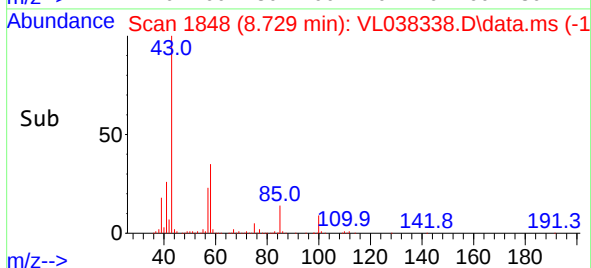
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022

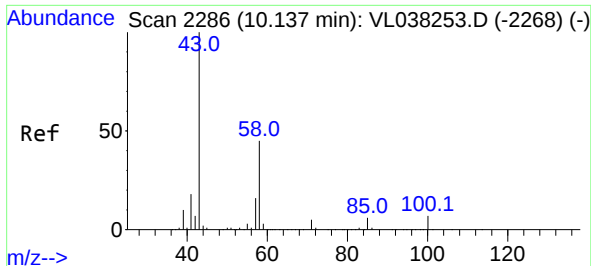


#50  
4-Methyl-2-Pentanone  
Concen: 9.997 ppbv  
RT: 8.729 min Scan# 1848  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32



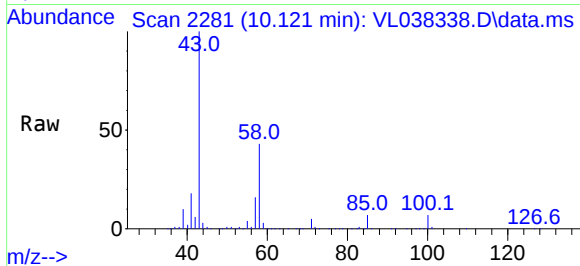
Tgt Ion: 43 Resp: 1399241  
Ion Ratio Lower Upper  
43 100  
58 35.2 28.2 42.4





#51  
2-Hexanone  
Concen: 10.211 ppbv  
RT: 10.121 min Scan# 21  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

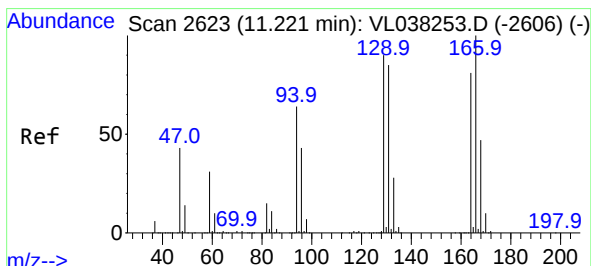
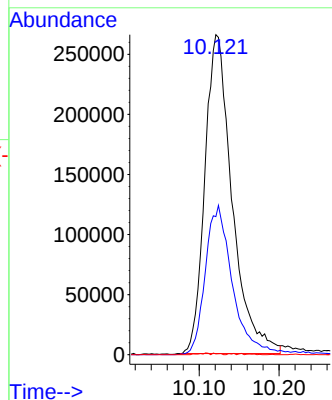
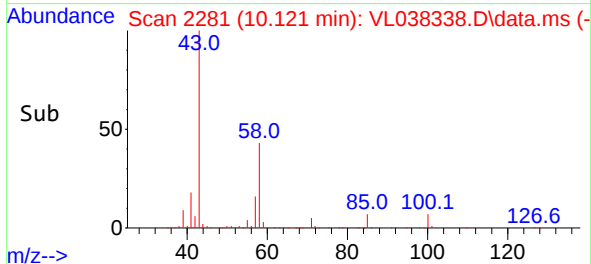
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01



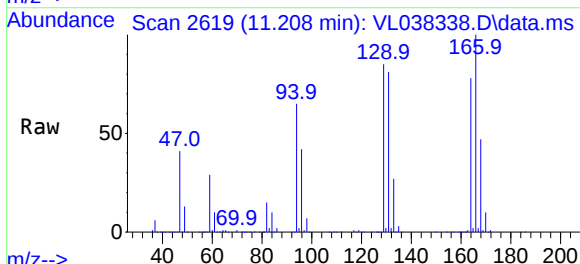
Tgt Ion: 43 Resp: 62944  
Ion Ratio Lower Upper  
43 100  
58 47.7 37.0 55.4  
98 0.4 0.2 0.2

Manual Integrations  
APPROVED

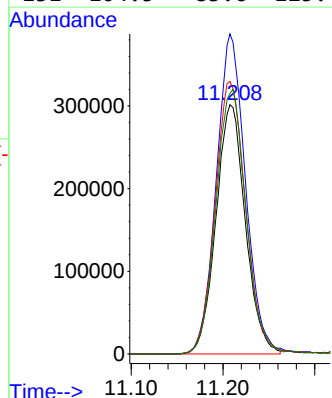
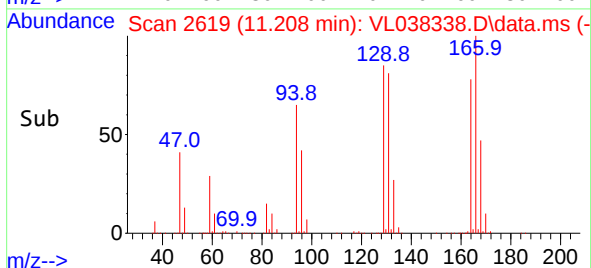
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022

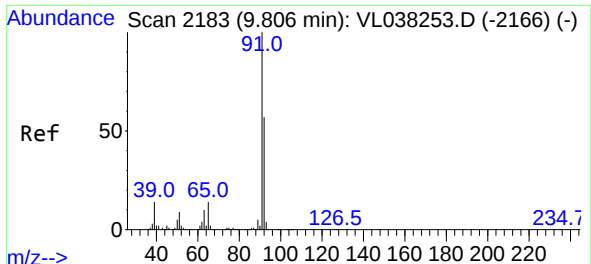


#52  
Tetrachloroethene  
Concen: 9.182 ppbv  
RT: 11.208 min Scan# 2619  
Delta R.T. -0.013 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32



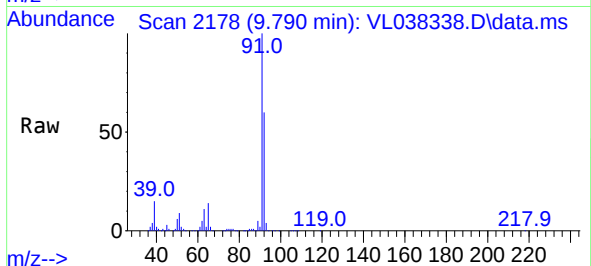
Tgt Ion:164 Resp: 671571  
Ion Ratio Lower Upper  
164 100  
166 128.4 98.8 148.2  
129 109.2 89.2 133.8  
131 104.5 83.6 125.4





#53  
Toluene  
Concen: 9.927 ppbv  
RT: 9.790 min Scan# 2183  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

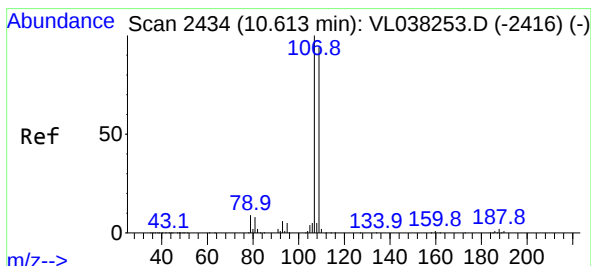
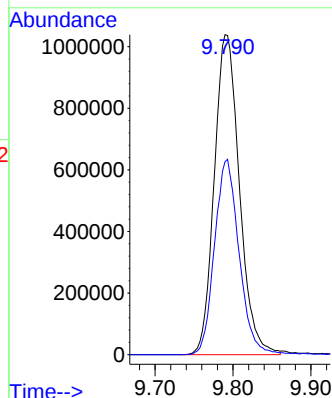
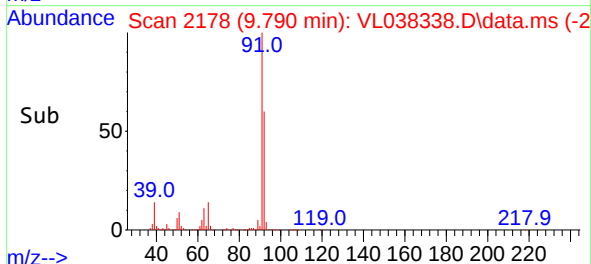
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01



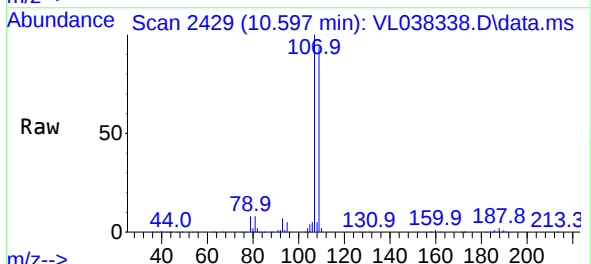
Tgt Ion: 91 Resp: 233181  
Ion Ratio Lower Upper  
91 100  
92 59.9 47.4 71.0

Manual Integrations  
APPROVED

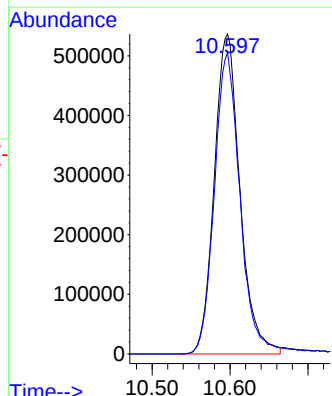
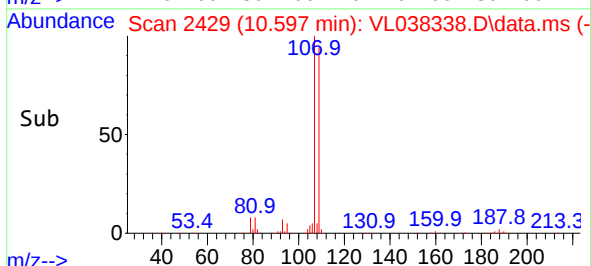
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022

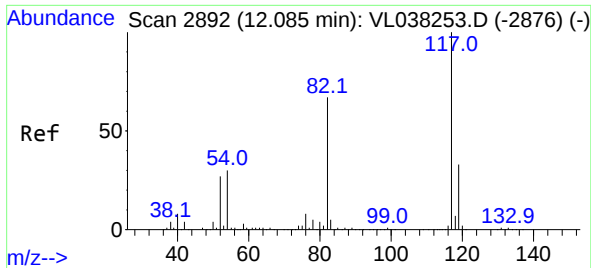


#54  
1,2-Dibromoethane  
Concen: 10.232 ppbv  
RT: 10.597 min Scan# 2429  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32



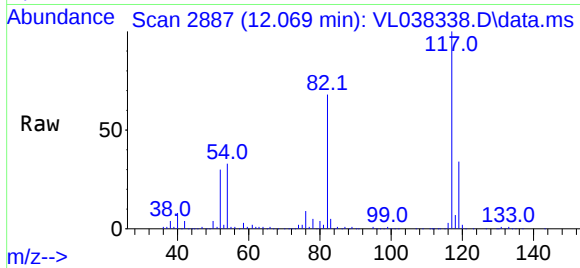
Tgt Ion:107 Resp: 1229790  
Ion Ratio Lower Upper  
107 100  
109 94.3 75.4 113.0





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv m  
RT: 12.069 min Scan# 21  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

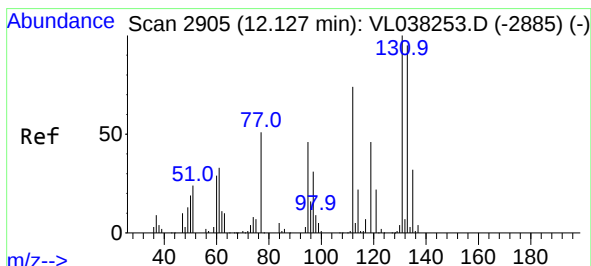
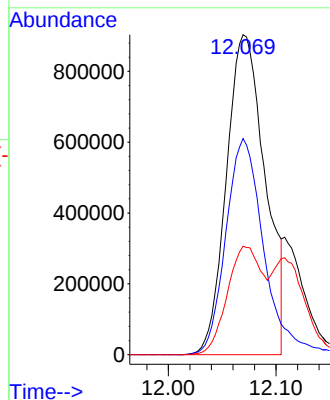
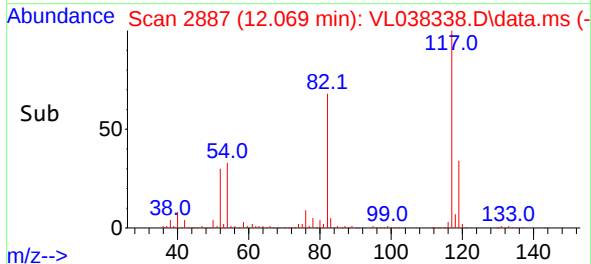
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01



Tgt Ion:117 Resp: 226702  
Ion Ratio Lower Upper  
117 100  
82 68.3 54.4 81.6  
119 28.9 45.9 68.9

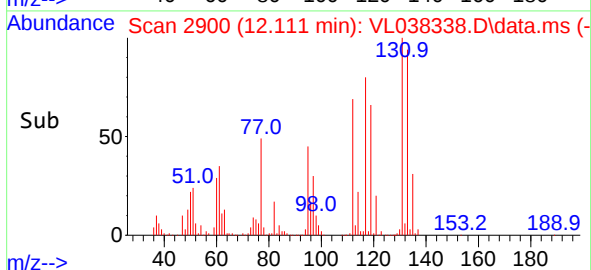
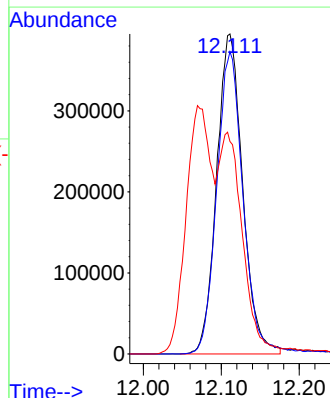
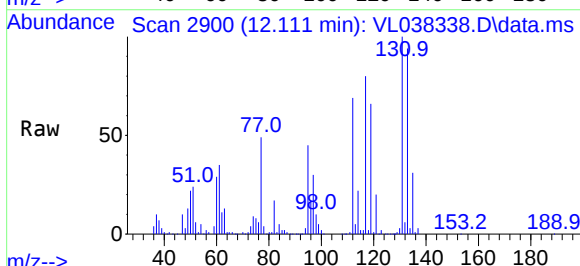
Manual Integrations  
APPROVED

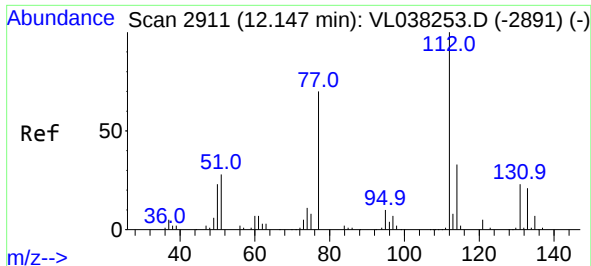
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022



#56  
1,1,1,2-Tetrachloroethane  
Concen: 9.229 ppbv  
RT: 12.111 min Scan# 2900  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

Tgt Ion:131 Resp: 915740  
Ion Ratio Lower Upper  
131 100  
133 97.7 76.0 114.0  
119 60.6 53.0 79.4





#57

Chlorobenzene

Concen: 9.102 ppbv

RT: 12.134 min Scan# 2911

Delta R.T. -0.013 min

Lab File: VL038338.D

Acq: 14 Feb 2022 12:32

Instrument :

MSVOA\_L

ClientSampleId :

VL0214ABS01

Tgt Ion:112 Resp: 165119

Ion Ratio Lower Upper

112 100

77 69.6 55.9 83.9

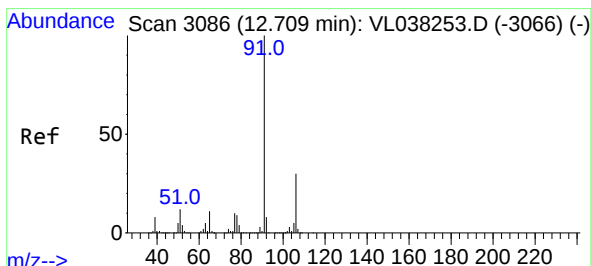
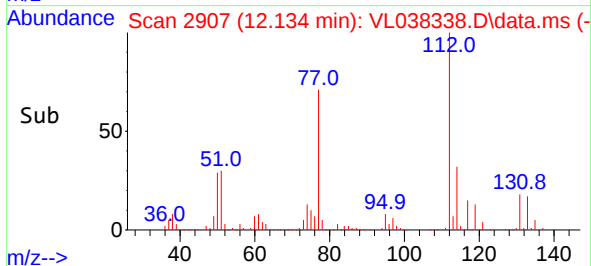
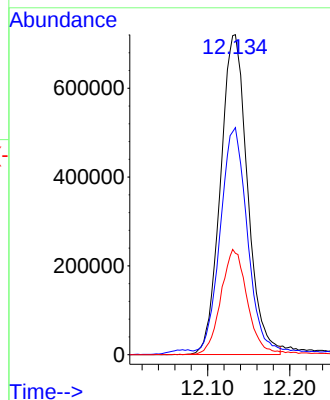
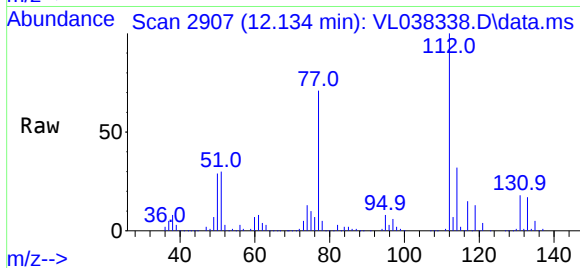
114 31.6 29.3 35.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/15/2022

Supervised By :Mahesh Dadoda 02/18/2022



#58

Ethyl Benzene

Concen: 9.312 ppbv

RT: 12.693 min Scan# 3081

Delta R.T. -0.016 min

Lab File: VL038338.D

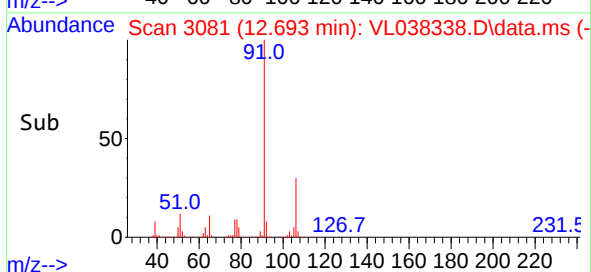
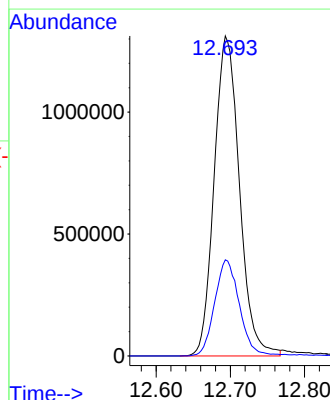
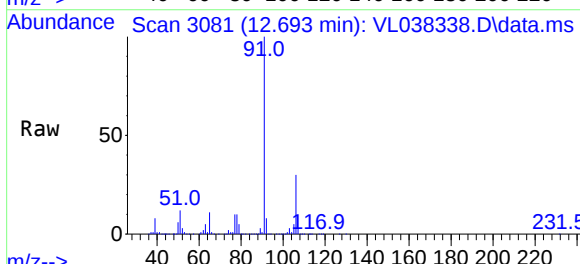
Acq: 14 Feb 2022 12:32

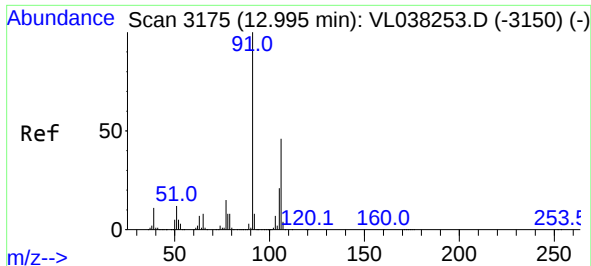
Tgt Ion: 91 Resp: 3102701

Ion Ratio Lower Upper

91 100

106 30.0 24.1 36.1





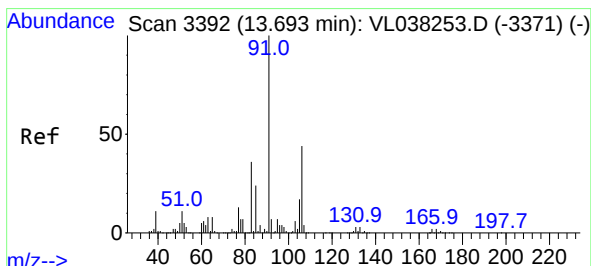
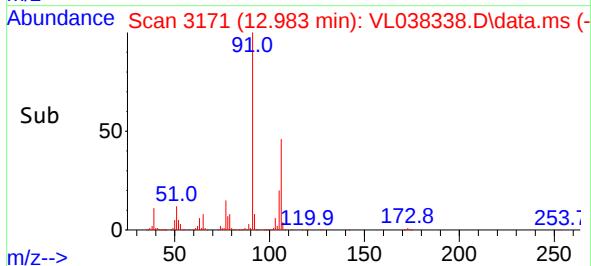
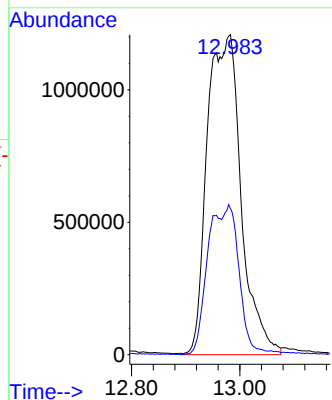
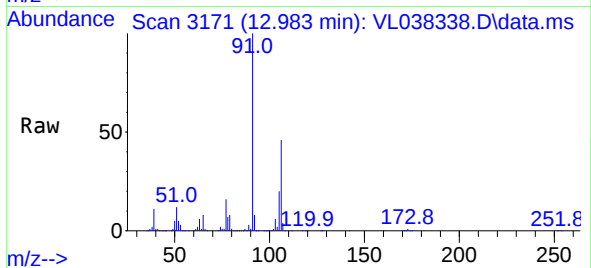
#59  
m/p-Xylene  
Concen: 18.468 ppbv m  
RT: 12.983 min Scan# 3171  
Delta R.T. -0.013 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01

Tgt Ion: 91 Resp: 524956  
Ion Ratio Lower Upper  
91 100  
106 43.8 34.8 52.2

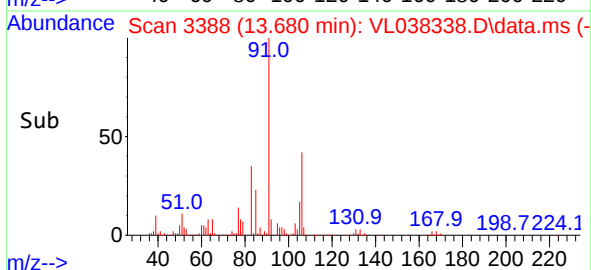
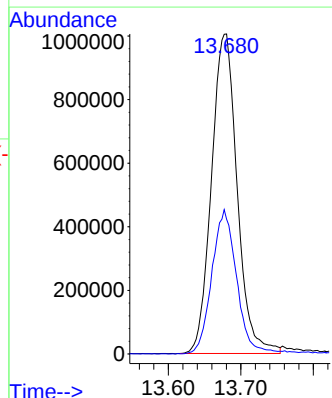
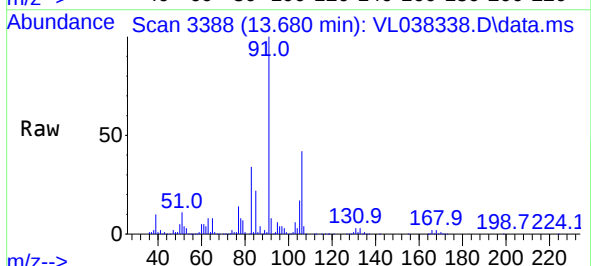
Manual Integrations  
APPROVED

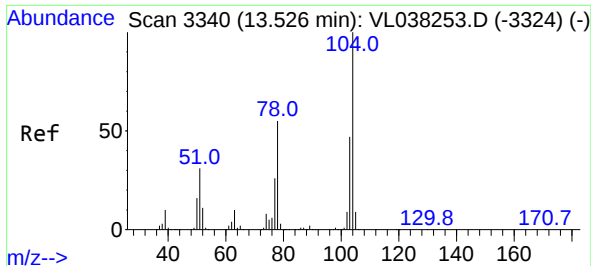
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022



#60  
o-Xylene  
Concen: 9.366 ppbv  
RT: 13.680 min Scan# 3388  
Delta R.T. -0.013 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

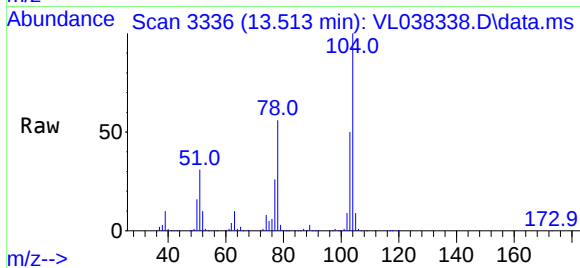
Tgt Ion: 91 Resp: 2476132  
Ion Ratio Lower Upper  
91 100  
106 44.6 22.2 66.6





#61  
Styrene  
Concen: 10.122 ppbv  
RT: 13.513 min Scan# 31  
Delta R.T. -0.013 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

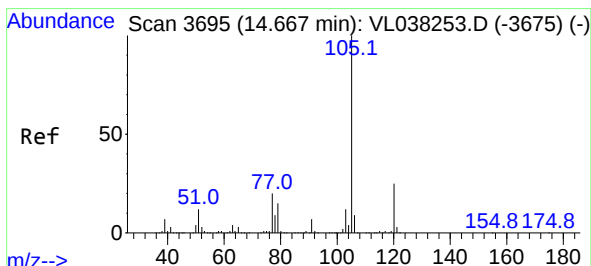
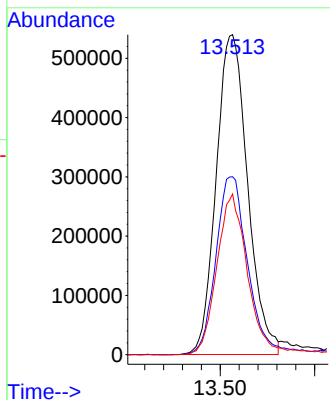
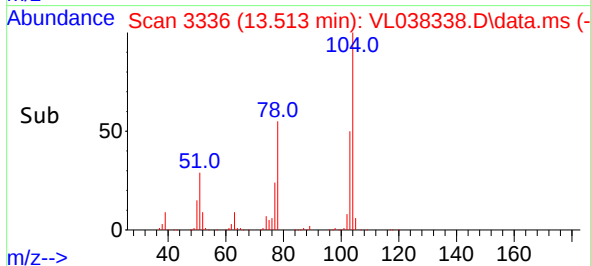
Instrument : MSVOA\_L  
ClientSampleId : VL0214ABS01



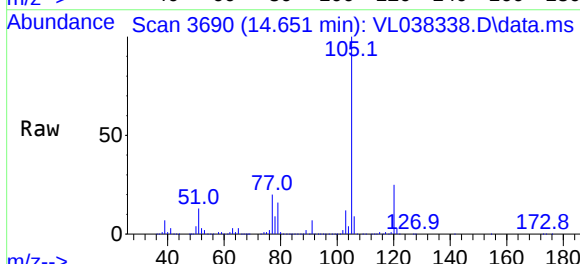
Tgt Ion:104 Resp: 1248830  
Ion Ratio Lower Upper  
104 100  
78 57.6 44.2 66.4  
103 49.8 38.2 57.4

Manual Integrations  
APPROVED

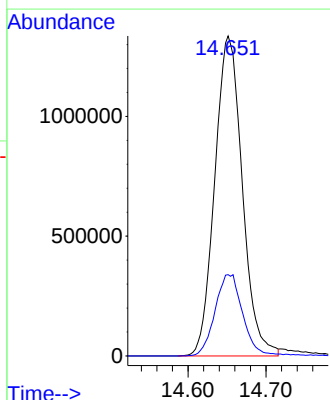
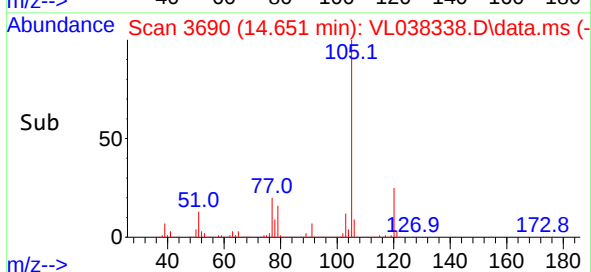
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022

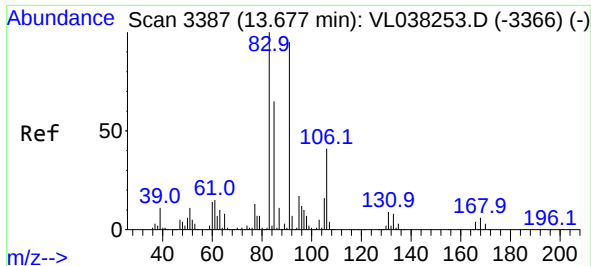


#62  
Isopropylbenzene  
Concen: 9.290 ppbv  
RT: 14.651 min Scan# 3690  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32



Tgt Ion:105 Resp: 3274224  
Ion Ratio Lower Upper  
105 100  
120 26.0 20.5 30.7





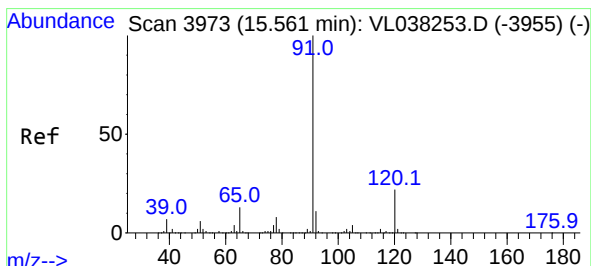
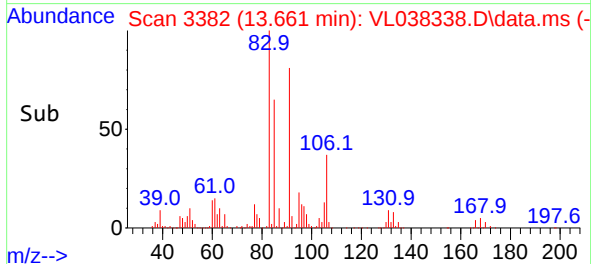
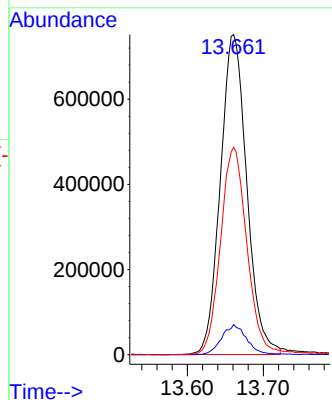
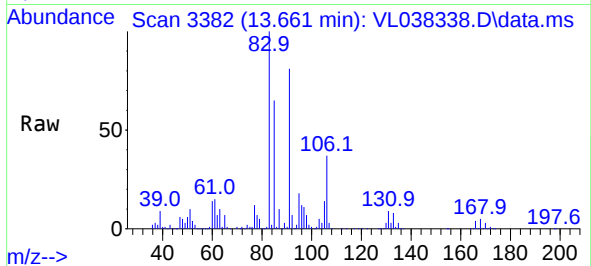
#63  
1,1,2,2-Tetrachloroethane  
Concen: 9.258 ppbv  
RT: 13.661 min Scan# 311  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01

Tgt Ion: 83 Resp: 181102  
Ion Ratio Lower Upper  
83 100  
131 8.9 4.5 13.5  
85 66.0 32.8 98.4

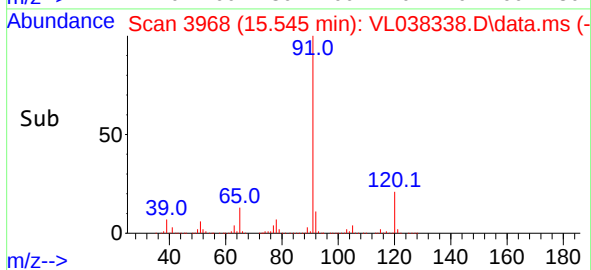
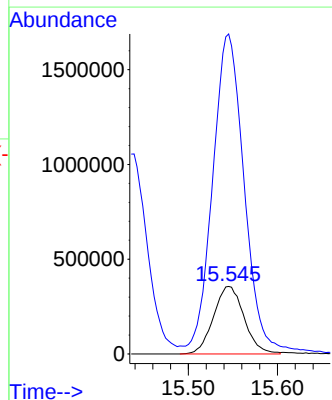
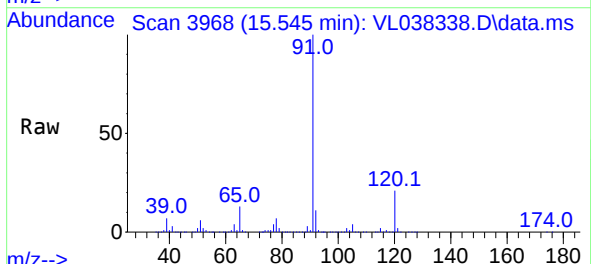
Manual Integrations  
APPROVED

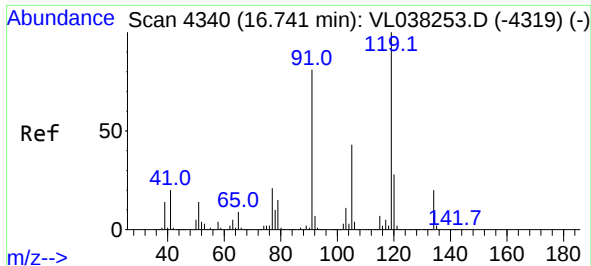
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022



#64  
n-propylbenzene  
Concen: 10.037 ppbv  
RT: 15.545 min Scan# 3968  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

Tgt Ion:120 Resp: 851027  
Ion Ratio Lower Upper  
120 100  
91 493.6 390.8 586.2





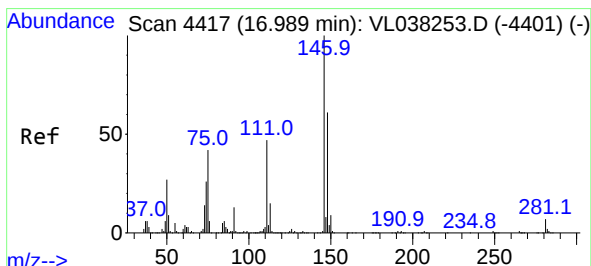
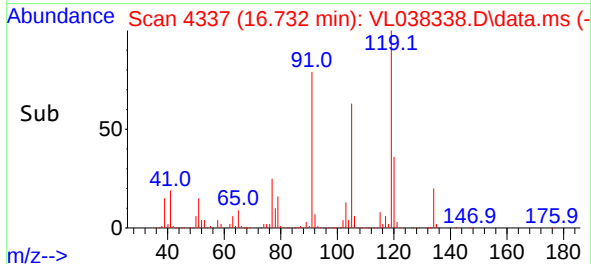
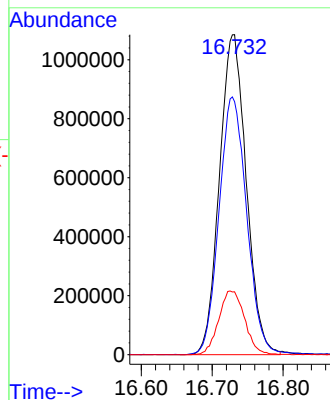
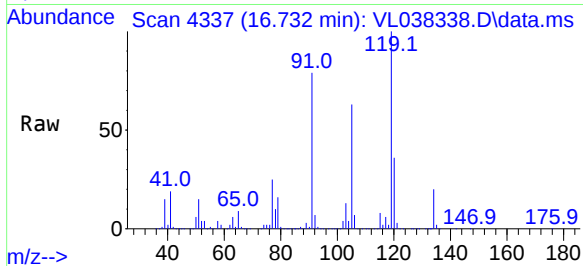
#65  
tert-Butylbenzene  
Concen: 9.821 ppbv  
RT: 16.732 min Scan# 4110  
Delta R.T. -0.010 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01

Tgt Ion:119 Resp: 285094  
Ion Ratio Lower Upper  
119 100  
91 83.5 66.6 100.0  
134 19.4 15.8 23.6

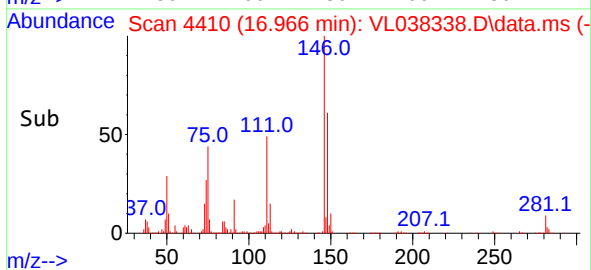
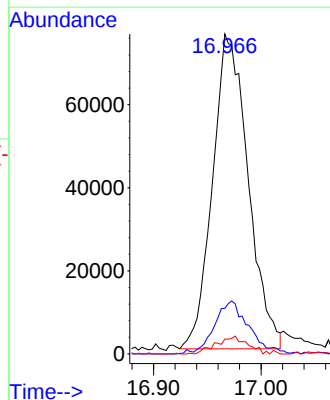
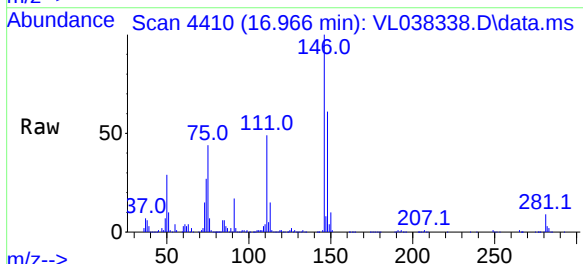
Manual Integrations  
APPROVED

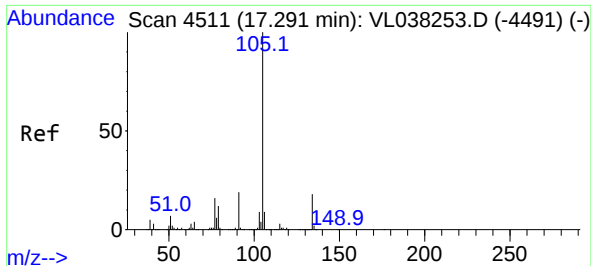
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022



#66  
Benzyl Chloride  
Concen: 13.196 ppbv  
RT: 16.966 min Scan# 4410  
Delta R.T. -0.022 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

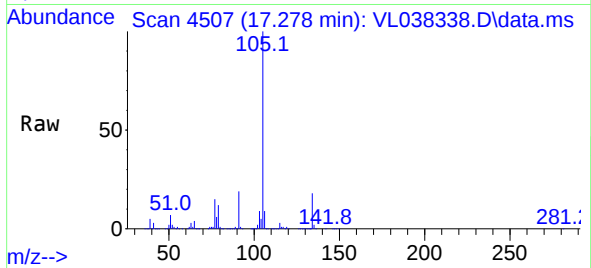
Tgt Ion: 91 Resp: 174007  
Ion Ratio Lower Upper  
91 100  
126 16.3 12.6 18.8  
128 5.1 4.3 6.5





#67  
 sec-Butylbenzene  
 Concen: 9.917 ppbv  
 RT: 17.278 min Scan# 4507  
 Delta R.T. -0.013 min  
 Lab File: VL038338.D  
 Acq: 14 Feb 2022 12:32

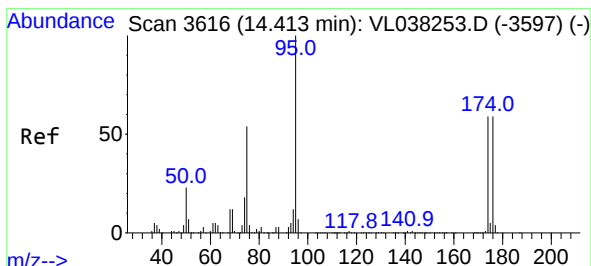
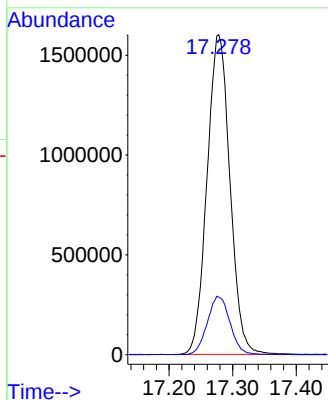
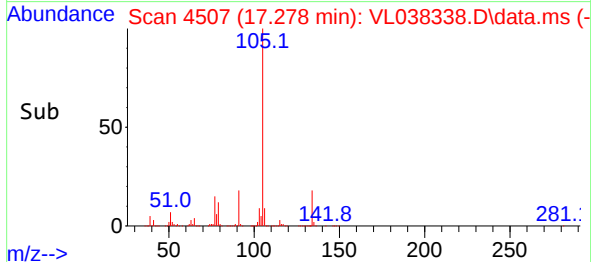
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0214ABS01



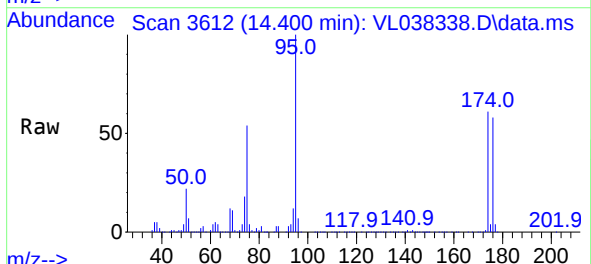
Tgt Ion: 105 Resp: 400454  
 Ion Ratio Lower Upper  
 105 100  
 134 18.2 14.3 21.5

Manual Integrations  
 APPROVED

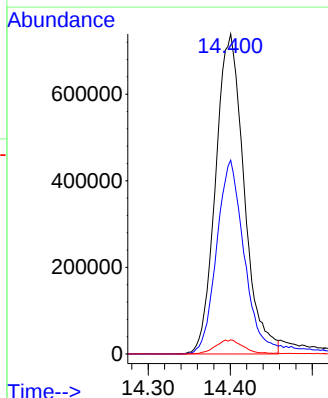
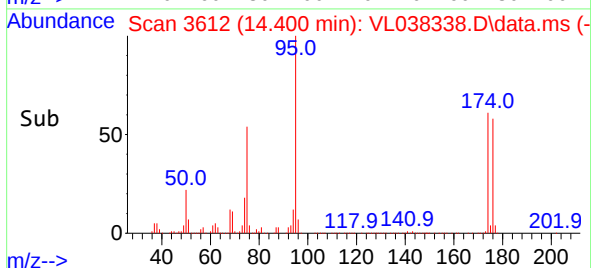
Reviewed By :Semsettin Yesilyurt 02/15/2022  
 Supervised By :Mahesh Dadoda 02/18/2022

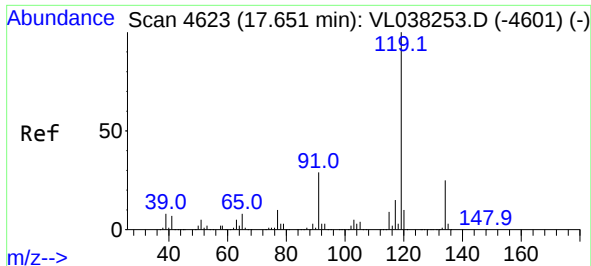


#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.376 ppbv  
 RT: 14.400 min Scan# 3612  
 Delta R.T. -0.013 min  
 Lab File: VL038338.D  
 Acq: 14 Feb 2022 12:32



Tgt Ion: 95 Resp: 1785406  
 Ion Ratio Lower Upper  
 95 100  
 174 61.8 48.3 72.5  
 175 4.6 3.5 5.3





#69

p-Isopropyltoluene

Concen: 10.316 ppbv

RT: 17.635 min Scan# 4618

Delta R.T. -0.016 min

Lab File: VL038338.D

Acq: 14 Feb 2022 12:32

Instrument :

MSVOA\_L

ClientSampleId :

VL0214ABS01

Tgt Ion:119 Resp: 3187930

Ion Ratio Lower Upper

119 100

134 25.4 20.2 30.2

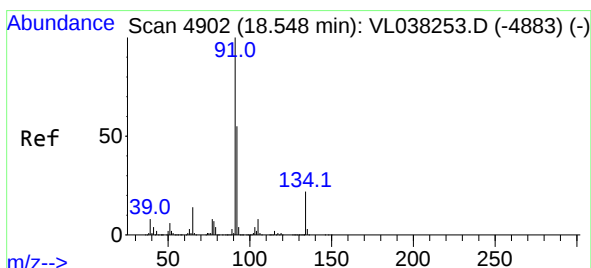
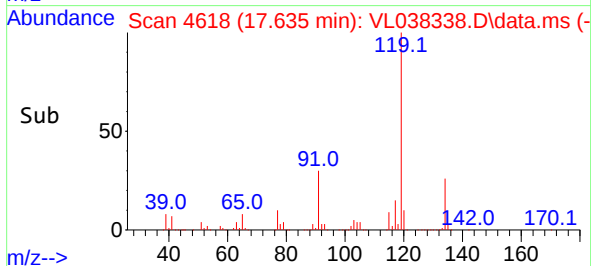
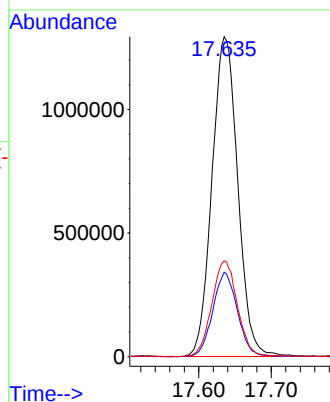
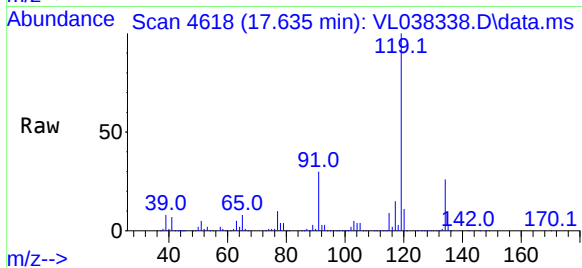
91 29.8 23.2 34.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/15/2022

Supervised By :Mahesh Dadoda 02/18/2022



#70

n-Butylbenzene

Concen: 10.621 ppbv

RT: 18.532 min Scan# 4897

Delta R.T. -0.016 min

Lab File: VL038338.D

Acq: 14 Feb 2022 12:32

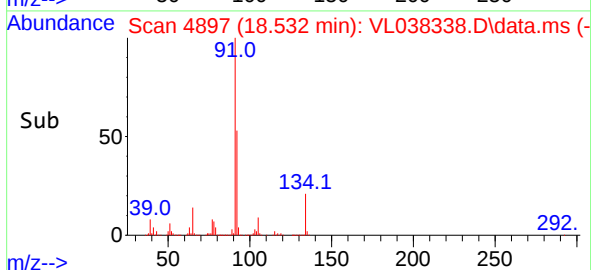
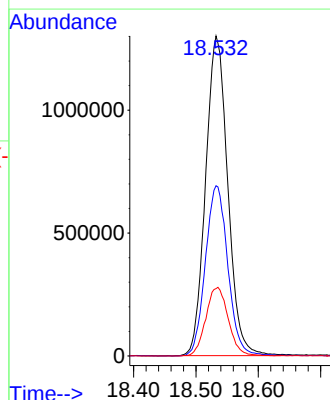
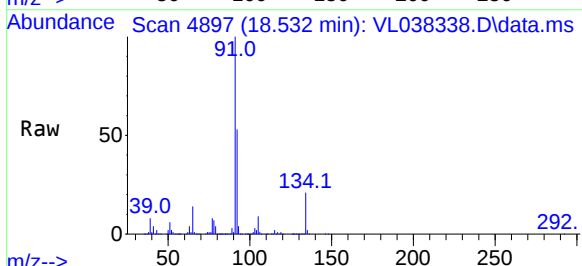
Tgt Ion: 91 Resp: 3214751

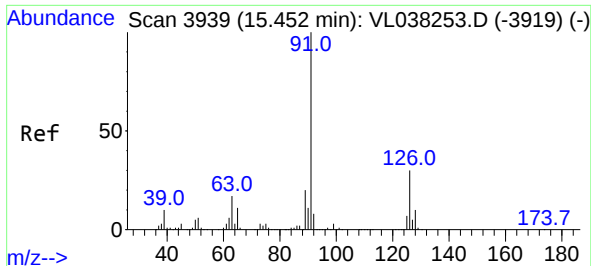
Ion Ratio Lower Upper

91 100

92 54.3 43.4 65.0

134 21.9 17.3 25.9





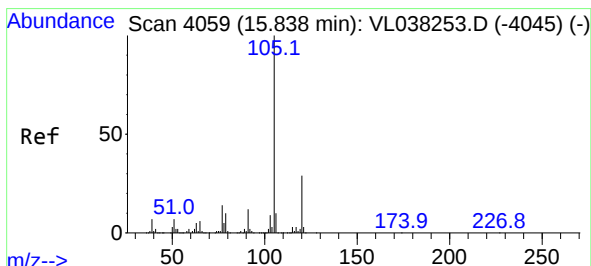
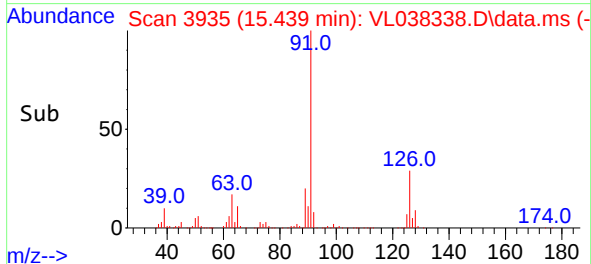
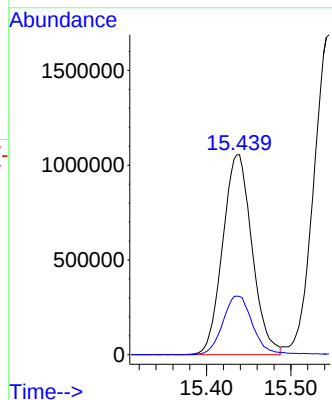
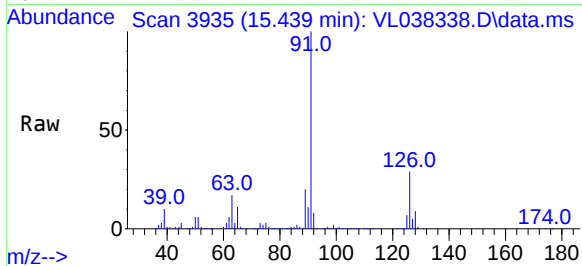
#71  
2-Chlorotoluene  
Concen: 9.769 ppbv  
RT: 15.439 min Scan# 3939  
Delta R.T. -0.013 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

Instrument : MSVOA\_L  
ClientSampleId : VL0214ABS01

Tgt Ion: 91 Resp: 255017  
Ion Ratio Lower Upper  
91 100  
126 30.4 12.1 48.5

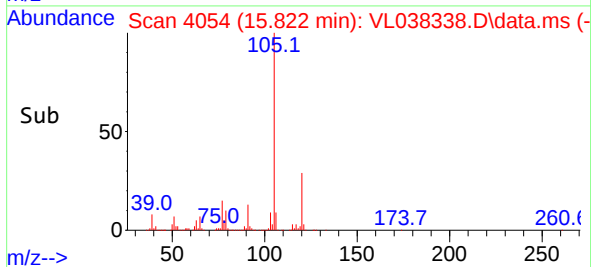
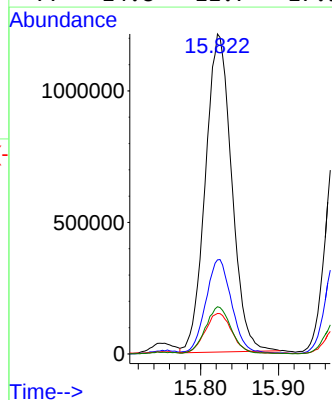
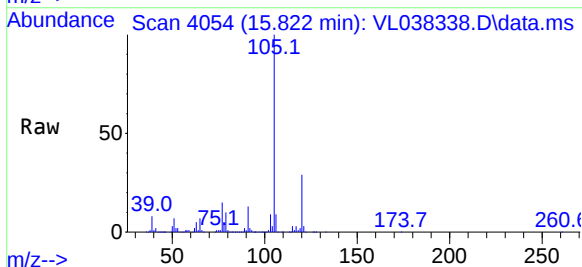
Manual Integrations  
APPROVED

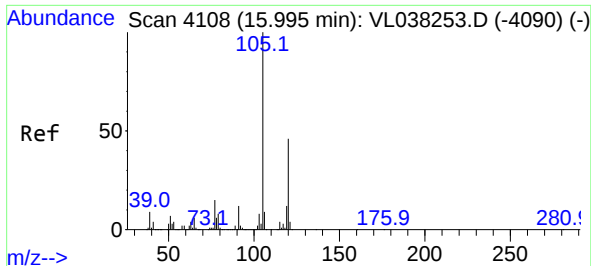
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022



#72  
4-Ethyltoluene  
Concen: 10.245 ppbv  
RT: 15.822 min Scan# 4054  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

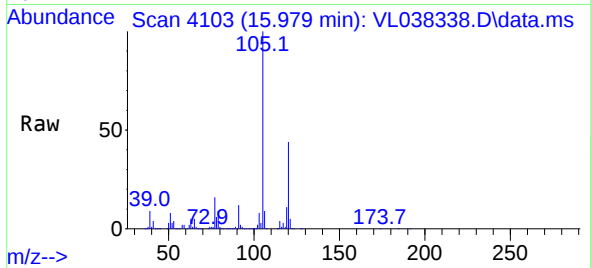
Tgt Ion:105 Resp: 2832556  
Ion Ratio Lower Upper  
105 100  
120 29.8 23.8 35.8  
91 13.1 10.2 15.4  
77 14.8 11.7 17.5





#73  
1,3,5-Trimethylbenzene  
Concen: 10.116 ppbv  
RT: 15.979 min Scan# 4108  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

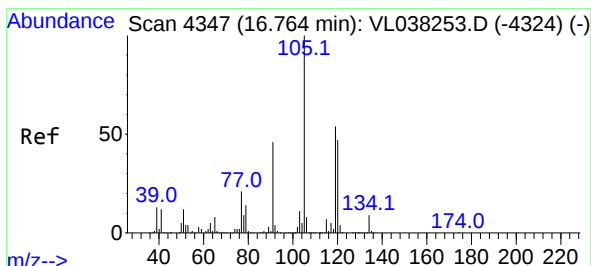
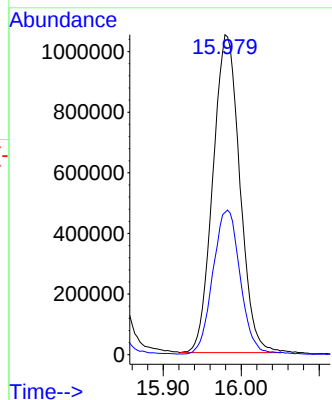
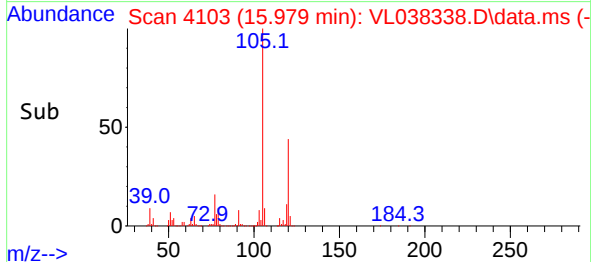
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01



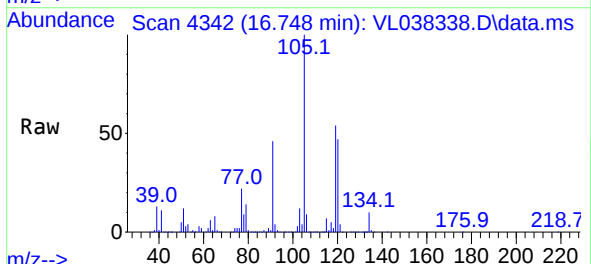
Tgt Ion:105 Resp: 2515054  
Ion Ratio Lower Upper  
105 100  
120 44.6 36.6 55.0

Manual Integrations  
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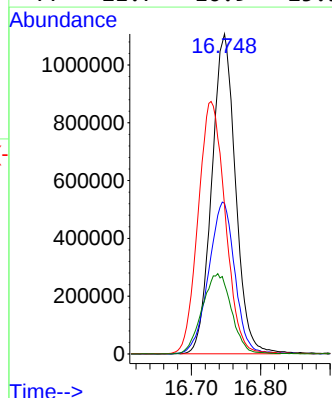
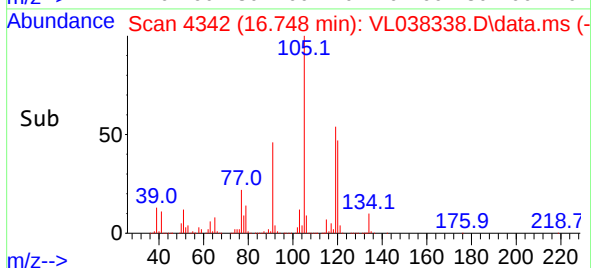
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022

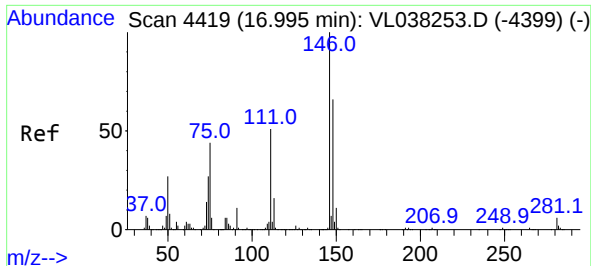


#74  
1,2,4-Trimethylbenzene  
Concen: 10.051 ppbv  
RT: 16.748 min Scan# 4342  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32



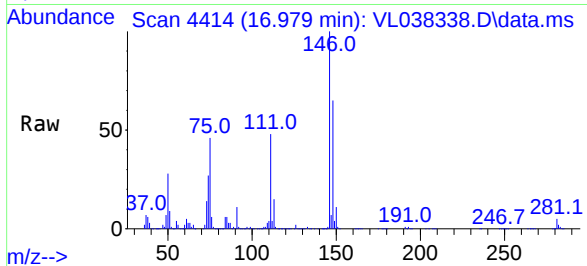
Tgt Ion:105 Resp: 2632758  
Ion Ratio Lower Upper  
105 100  
120 46.8 37.2 55.8  
91 46.2 36.6 55.0  
77 21.7 16.9 25.3





#75  
1,3-Dichlorobenzene  
Concen: 10.399 ppbv  
RT: 16.979 min Scan# 4419  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

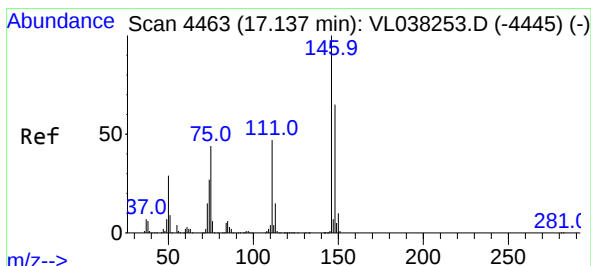
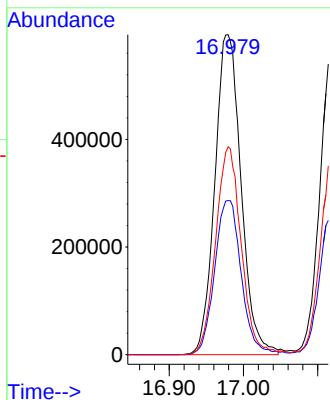
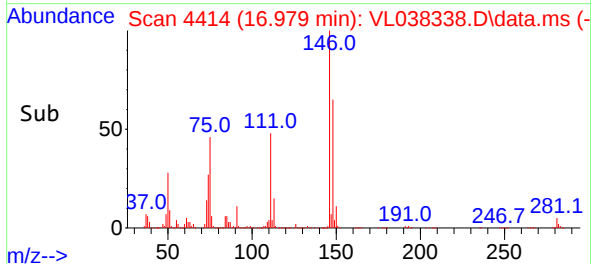
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01



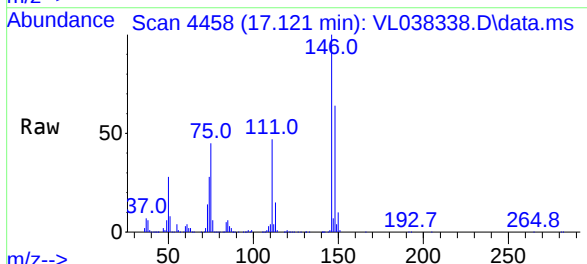
Tgt Ion:146 Resp: 1461688  
Ion Ratio Lower Upper  
146 100  
111 49.0 24.1 72.4  
148 63.6 32.1 96.5

Manual Integrations  
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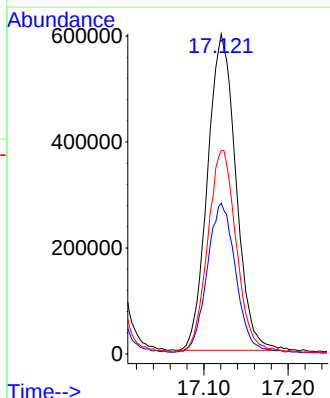
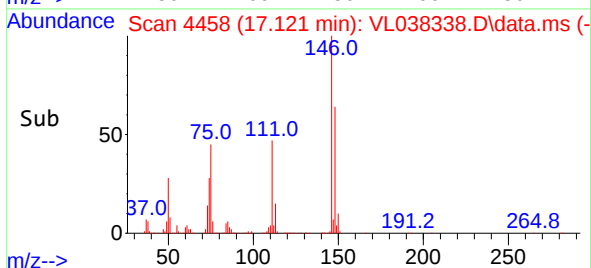
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022

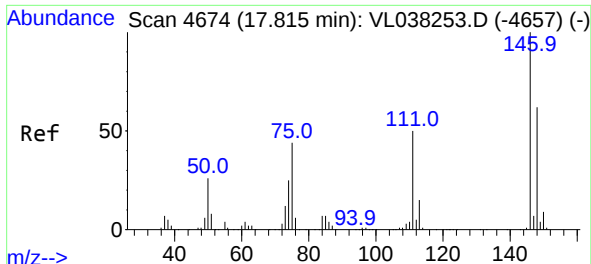


#76  
1,4-Dichlorobenzene  
Concen: 10.249 ppbv  
RT: 17.121 min Scan# 4458  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32



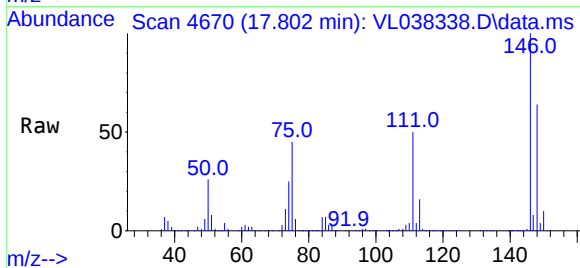
Tgt Ion:146 Resp: 1394722  
Ion Ratio Lower Upper  
146 100  
111 49.2 23.2 69.6  
148 67.2 32.4 97.0





#77  
1,2-Dichlorobenzene  
Concen: 10.475 ppbv  
RT: 17.802 min Scan# 40  
Delta R.T. -0.013 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

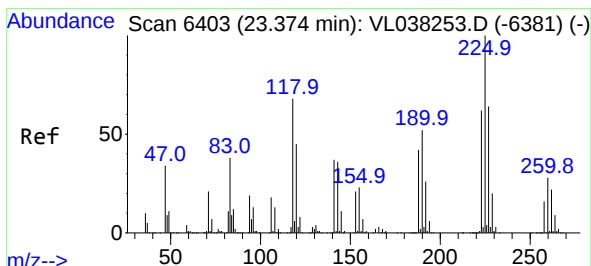
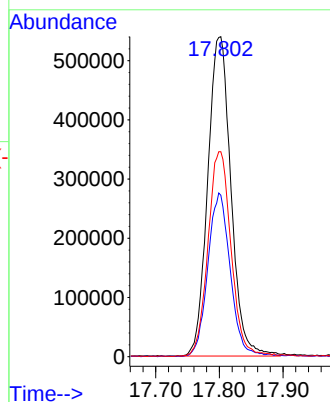
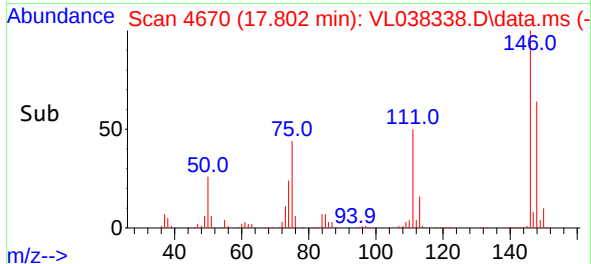
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01



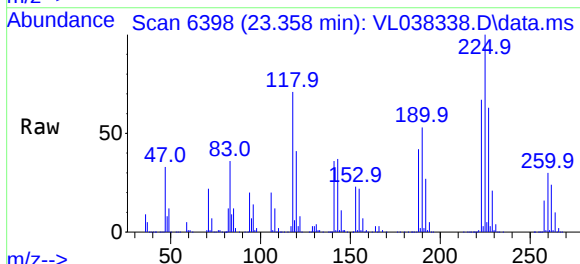
Tgt Ion:146 Resp: 1367490  
Ion Ratio Lower Upper  
146 100  
111 49.7 25.2 75.6  
148 64.1 32.6 97.8

Manual Integrations  
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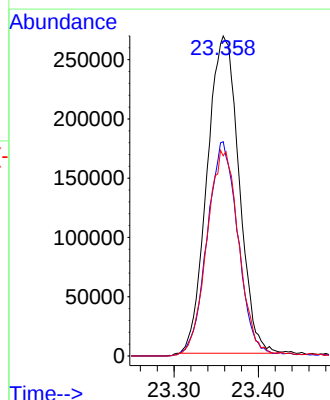
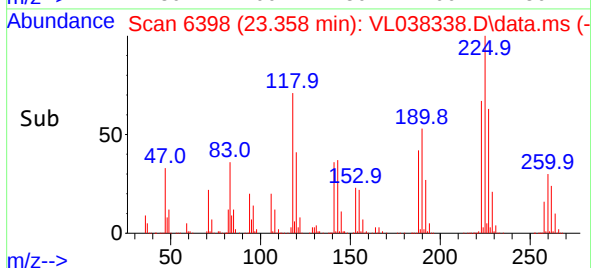
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022

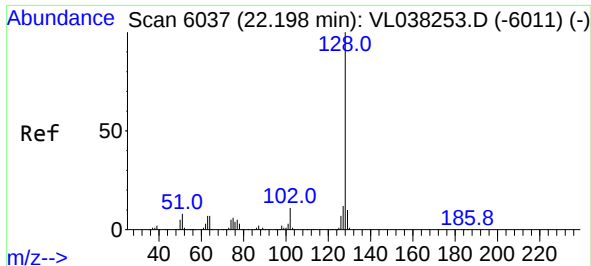


#78  
Hexachloro-1,3-Butadiene  
Concen: 7.741 ppbv  
RT: 23.358 min Scan# 6398  
Delta R.T. -0.016 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32



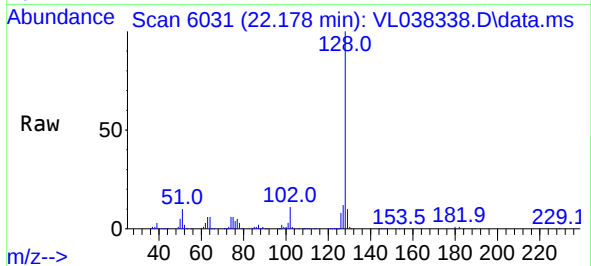
Tgt Ion:225 Resp: 702666  
Ion Ratio Lower Upper  
225 100  
223 66.1 51.7 77.5  
227 65.6 51.4 77.0





#79  
Naphthalene  
Concen: 10.817 ppbv  
RT: 22.178 min Scan# 6037  
Delta R.T. -0.019 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32

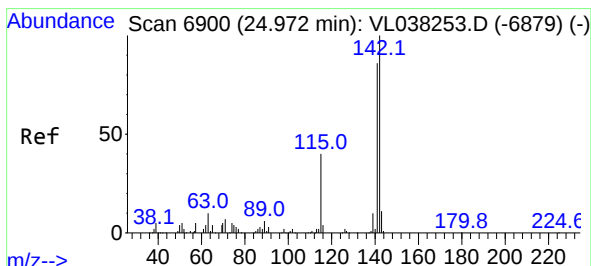
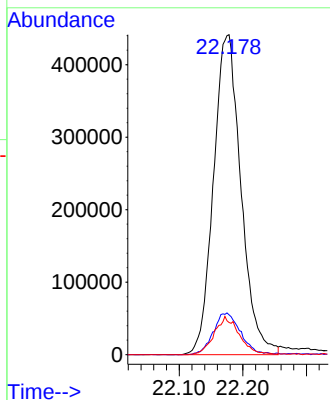
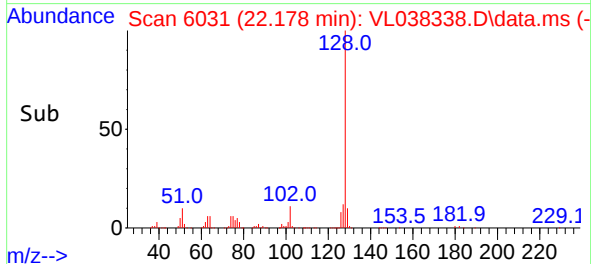
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0214ABS01



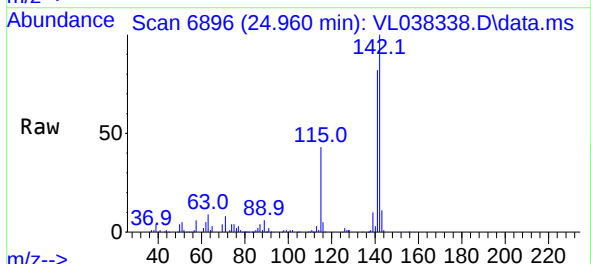
Tgt Ion:128 Resp: 1324680  
Ion Ratio Lower Upper  
128 100  
127 12.5 9.7 14.5  
129 10.0 8.1 12.1

Manual Integrations  
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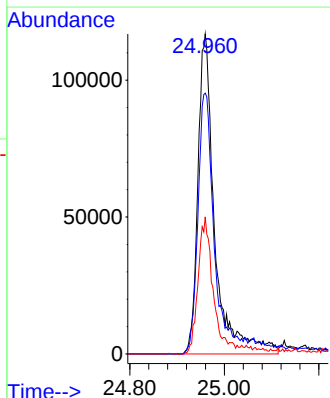
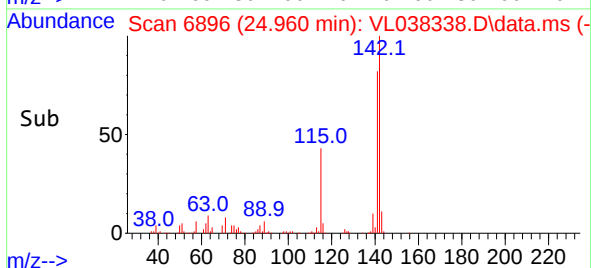
Reviewed By :Semsettin Yesilyurt 02/15/2022  
Supervised By :Mahesh Dadoda 02/18/2022

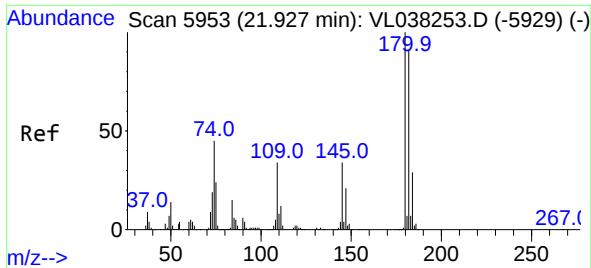


#80  
Naphthalene,2-methyl-  
Concen: 21.754 ppbv  
RT: 24.960 min Scan# 6896  
Delta R.T. -0.013 min  
Lab File: VL038338.D  
Acq: 14 Feb 2022 12:32



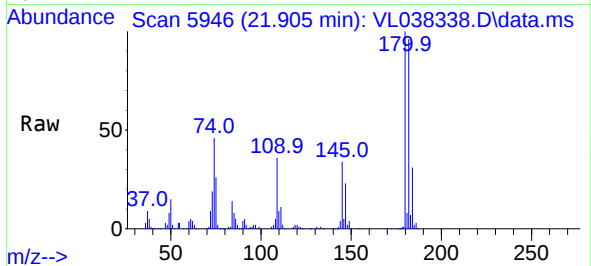
Tgt Ion:142 Resp: 289720  
Ion Ratio Lower Upper  
142 100  
141 86.0 70.2 105.4  
115 41.1 31.8 47.6





#81  
 1,2,4-Trichlorobenzene  
 Concen: 9.877 ppbv  
 RT: 21.905 min Scan# 5946  
 Delta R.T. -0.023 min  
 Lab File: VL038338.D  
 Acq: 14 Feb 2022 12:32

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0214ABS01



Tgt Ion:180 Resp: 711469  
 Ion Ratio Lower Upper  
 180 100  
 182 99.3 77.7 116.5  
 184 31.0 24.4 36.6

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/15/2022  
 Supervised By :Mahesh Dadoda 02/18/2022

