

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL032122\  
 Data File : VL038648.D  
 Acq On : 21 Mar 2022 12:37  
 Operator : SY/AP  
 Sample : VSTDICCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/22/2022  
 Supervised By : Mahesh Dadoda 03/24/2022

Quant Time: Mar 21 14:59:25 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue Mar 22 14:59:25 2022

QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.658  | 49   | 951172   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.166  | 114  | 2515037  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.076 | 117  | 2350645m | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.404 95 1878967 10.514 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.100%

Target Compounds

|                                 |       |     |          |        | Qvalue    |
|---------------------------------|-------|-----|----------|--------|-----------|
| 2) Dichlorodifluoromethane      | 3.047 | 85  | 1096607m | 7.633  | ppbv      |
| 3) Chlorodifluoromethane        | 2.986 | 51  | 931480   | 5.554  | ppbv 99   |
| 4) Chloromethane                | 3.137 | 50  | 521324   | 8.385  | ppbv 100  |
| 5) Vinyl Chloride               | 3.256 | 62  | 502411   | 8.051  | ppbv 98   |
| 6) Bromomethane                 | 3.472 | 94  | 287036   | 8.569  | ppbv 99   |
| 7) Chloroethane                 | 3.552 | 64  | 179538   | 8.886  | ppbv 97   |
| 8) Dichlorotetrafluoroethane    | 3.186 | 85  | 1202754  | 8.636  | ppbv 98   |
| 9) Propene                      | 3.009 | 41  | 450726   | 7.616  | ppbv 99   |
| 10) Heptane                     | 8.111 | 43  | 1183010  | 8.356  | ppbv 97   |
| 11) Trichlorofluoromethane      | 3.948 | 101 | 1091498  | 8.665  | ppbv 100  |
| 12) 1,1,2-Trichlorotrifluoro... | 4.481 | 101 | 846986   | 8.648  | ppbv 99   |
| 13) Ethanol                     | 3.604 | 45  | 40501m   | 5.958  | ppbv      |
| 14) Bromoethene                 | 3.735 | 108 | 370876   | 8.888  | ppbv 97   |
| 15) Acetone                     | 3.841 | 43  | 751264   | 11.197 | ppbv 99   |
| 16) 1,3-Butadiene               | 3.324 | 39  | 448850   | 8.326  | ppbv 93   |
| 17) tert-Butyl alcohol          | 4.279 | 59  | 716726   | 9.832  | ppbv 100  |
| 18) 1,1-Dichloroethene          | 4.282 | 96  | 376514   | 8.590  | ppbv 96   |
| 19) Isopropyl Alcohol           | 3.957 | 45  | 448966   | 10.022 | ppbv 99   |
| 20) Methylene Chloride          | 4.337 | 84  | 311455   | 7.714  | ppbv 99   |
| 21) Allyl Chloride              | 4.404 | 41  | 582559   | 9.009  | ppbv 99   |
| 22) trans-1,2-Dichloroethene    | 4.880 | 96  | 409293   | 8.908  | ppbv 99   |
| 23) Vinyl Acetate               | 5.063 | 43  | 832057   | 8.652  | ppbv 99   |
| 24) 1,1-Dichloroethane          | 5.005 | 63  | 772318   | 8.830  | ppbv 99   |
| 25) Ethyl Acetate               | 5.668 | 43  | 2018856  | 8.935  | ppbv 99   |
| 26) Hexane                      | 5.677 | 57  | 889469   | 8.382  | ppbv 95   |
| 27) Carbon Disulfide            | 4.546 | 76  | 972540   | 9.203  | ppbv 99   |
| 28) Methyl tert-Butyl Ether     | 5.025 | 73  | 678526   | 7.857  | ppbv 99   |
| 29) Chloroform                  | 5.745 | 83  | 1418653  | 8.591  | ppbv 98   |
| 30) Cyclohexane                 | 7.121 | 84  | 783325   | 8.536  | ppbv 96   |
| 31) cis-1,2-Dichloroethene      | 5.542 | 61  | 869465   | 8.566  | ppbv 97   |
| 32) 1,1,1-Trichloroethane       | 6.504 | 97  | 1372663  | 8.572  | ppbv 99   |
| 34) 2-Butanone                  | 5.234 | 43  | 896971   | 13.759 | ppbv 100  |
| 35) Carbon Tetrachloride        | 7.009 | 117 | 1439975  | 8.394  | ppbv 97   |
| 36) Benzene                     | 6.883 | 78  | 1919838  | 8.459  | ppbv 98   |
| 37) 1,2-Dichloroethane          | 6.298 | 62  | 965136   | 8.899  | ppbv 100  |
| 38) Trichloroethene             | 7.825 | 130 | 809167   | 8.925  | ppbv 98   |
| 39) 1,2-Dichloropropane         | 7.600 | 63  | 744718   | 8.532  | ppbv 97   |
| 40) 1,4-Dioxane                 | 7.819 | 88  | 268766   | 12.303 | ppbv # 28 |
| 41) Tetrahydrofuran             | 6.038 | 42  | 750690   | 14.076 | ppbv 96   |
| 42) Bromodichloromethane        | 7.783 | 83  | 1508161  | 8.770  | ppbv 99   |
| 43) Methyl Methacrylate         | 8.002 | 69  | 772416   | 9.915  | ppbv 97   |
| 44) 2,2,4-Trimethylpentane      | 7.861 | 57  | 3160966  | 8.237  | ppbv 98   |
| 45) t-1,3-Dichloropropene       | 9.269 | 75  | 847810   | 15.101 | ppbv 98   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL032122\  
 Data File : VL038648.D  
 Acq On : 21 Mar 2022 12:37  
 Operator : SY/AP  
 Sample : VSTDICCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/22/2022  
 Supervised By : Mahesh Dadoda 03/24/2022

Quant Time: Mar 21 14:59:25 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Tue Mar 22 14:59:25 2022

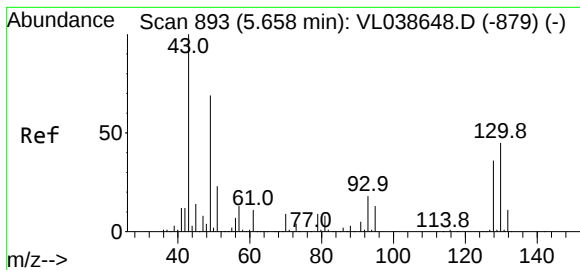
QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.690  | 75   | 1095621  | 14.272 | ppbv   | 98       |
| 47) 1,1,2-Trichloroethane     | 9.462  | 97   | 789987   | 8.880  | ppbv   | 98       |
| 48) Dibromochloromethane      | 10.291 | 129  | 1358728  | 9.620  | ppbv   | 100      |
| 49) Bromoform                 | 13.028 | 173  | 1138580  | 10.524 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.729  | 43   | 1930710  | 14.447 | ppbv   | 99       |
| 51) 2-Hexanone                | 10.121 | 43   | 1506461  | 26.676 | ppbv # | 98       |
| 52) Tetrachloroethene         | 11.211 | 164  | 688256   | 8.274  | ppbv   | 98       |
| 53) Toluene                   | 9.796  | 91   | 2182672  | 9.009  | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 10.597 | 107  | 1162189  | 9.143  | ppbv   | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 12.114 | 131  | 935557   | 9.771  | ppbv   | 99       |
| 57) Chlorobenzene             | 12.137 | 112  | 1603850  | 8.937  | ppbv   | 98       |
| 58) Ethyl Benzene             | 12.696 | 91   | 2838525  | 9.327  | ppbv   | 98       |
| 59) m/p-Xylene                | 12.986 | 91   | 4786034m | 18.369 | ppbv   |          |
| 60) o-Xylene                  | 13.680 | 91   | 2292229  | 9.317  | ppbv   | 100      |
| 61) Styrene                   | 13.516 | 104  | 1415029  | 11.671 | ppbv   | 100      |
| 62) Isopropylbenzene          | 14.658 | 105  | 3395475  | 10.002 | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 13.664 | 83   | 1567008  | 7.538  | ppbv   | 100      |
| 64) n-propylbenzene           | 15.548 | 120  | 914616   | 10.571 | ppbv   | 97       |
| 65) tert-Butylbenzene         | 16.732 | 119  | 3003132  | 9.892  | ppbv   | 100      |
| 66) Benzyl Chloride           | 16.976 | 91   | 727846   | 40.461 | ppbv   | 99       |
| 67) sec-Butylbenzene          | 17.281 | 105  | 4325849  | 10.025 | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 17.638 | 119  | 3601771  | 10.076 | ppbv   | 99       |
| 70) n-Butylbenzene            | 18.535 | 91   | 3785017  | 9.942  | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 15.439 | 91   | 2558030  | 10.148 | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 15.825 | 105  | 2803265  | 9.919  | ppbv   | 100      |
| 73) 1,3,5-Trimethylbenzene    | 15.986 | 105  | 2476735  | 9.440  | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 16.751 | 105  | 2629462  | 9.382  | ppbv   | 94       |
| 75) 1,3-Dichlorobenzene       | 16.982 | 146  | 1654553  | 9.357  | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 17.124 | 146  | 1680037m | 9.592  | ppbv   |          |
| 77) 1,2-Dichlorobenzene       | 17.802 | 146  | 1629293  | 9.108  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 23.362 | 225  | 1326342  | 7.601  | ppbv   | 99       |
| 79) Naphthalene               | 22.178 | 128  | 2487614  | 9.867  | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 24.960 | 142  | 667317   | 14.995 | ppbv   | 98       |
| 81) 1,2,4-Trichlorobenzene    | 21.908 | 180  | 1442463  | 8.954  | ppbv   | 100      |

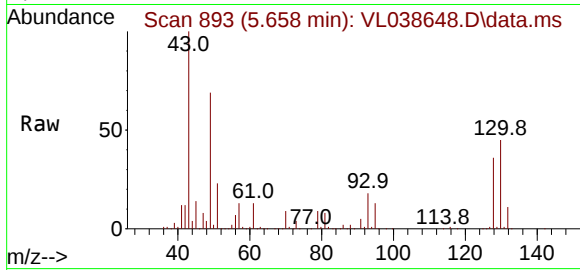
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.658 min Scan# 893  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

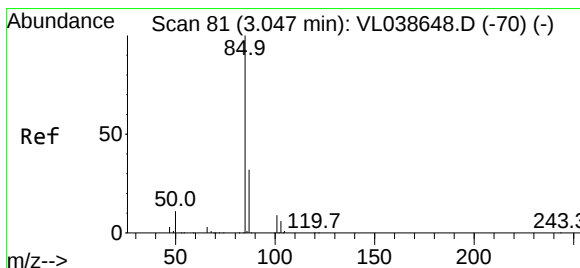
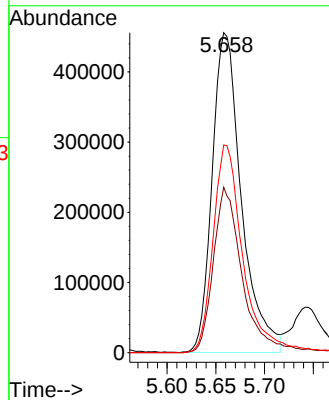
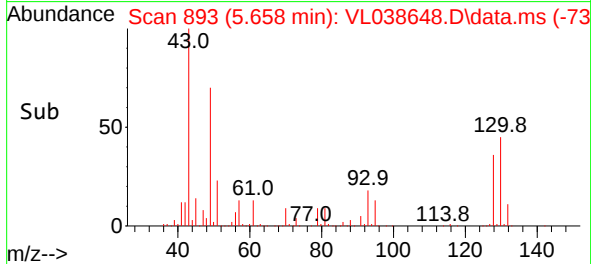
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 49 Resp: 951172  
Ion Ratio Lower Upper  
49 100  
128 52.4 26.4 79.2  
130 67.4 33.0 98.9

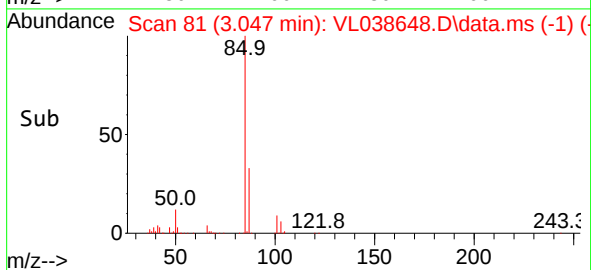
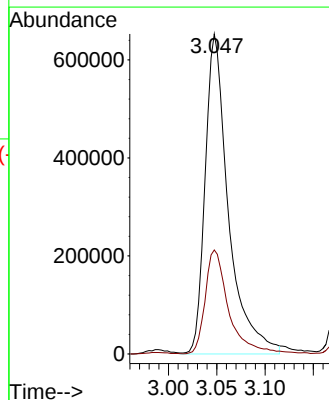
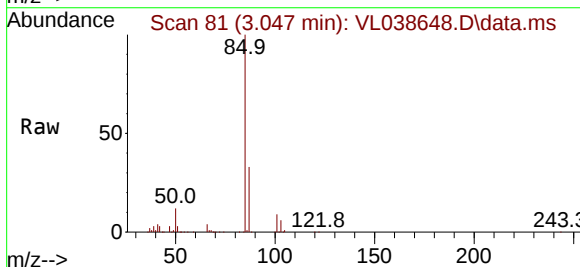
Manual Integrations  
APPROVED

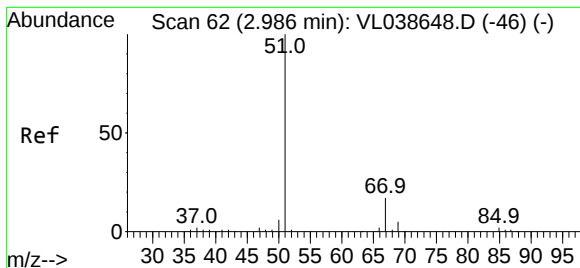
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#2  
Dichlorodifluoromethane  
Concen: 7.633 ppbv m  
RT: 3.047 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

Tgt Ion: 85 Resp: 1096607  
Ion Ratio Lower Upper  
85 100  
87 32.5 26.2 39.2





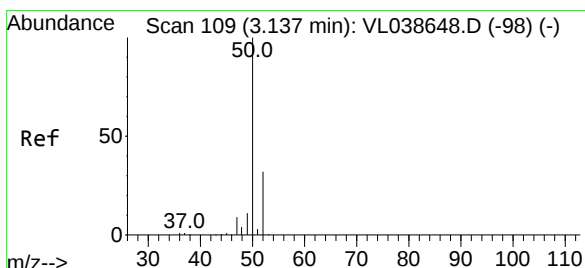
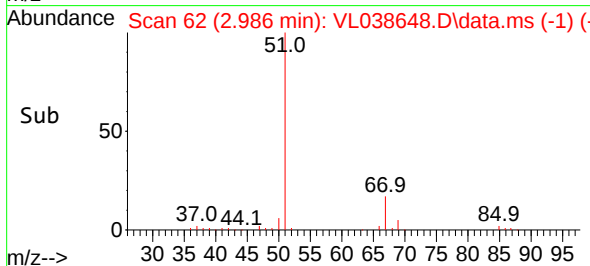
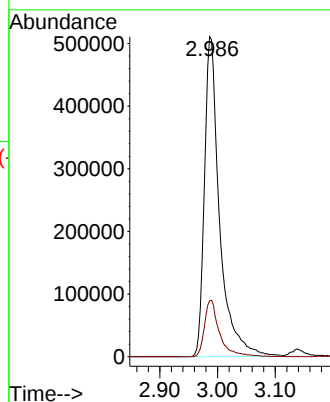
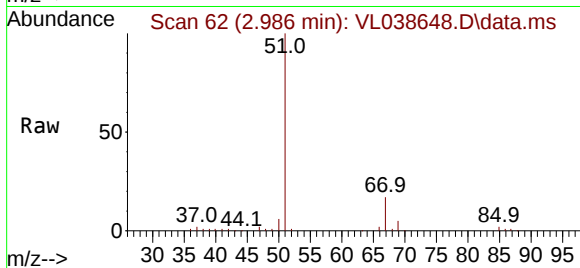
#3  
Chlorodifluoromethane  
Concen: 5.554 ppbv  
RT: 2.986 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010

Tgt Ion: 51 Resp: 931480  
Ion Ratio Lower Upper  
51 100  
67 17.6 13.6 20.4

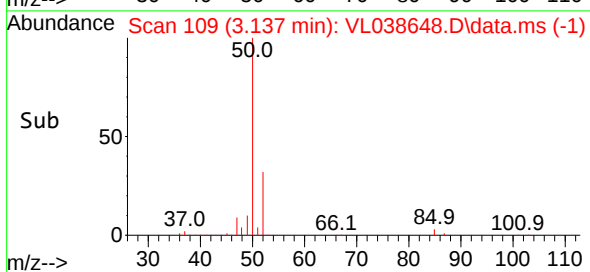
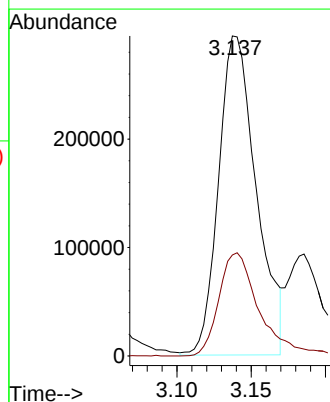
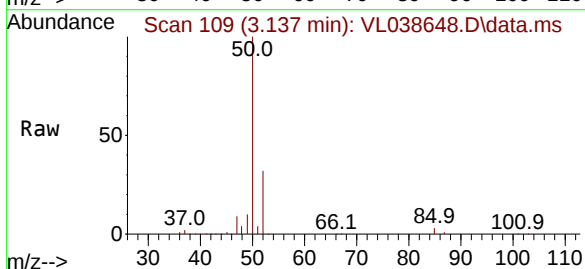
Manual Integrations  
APPROVED

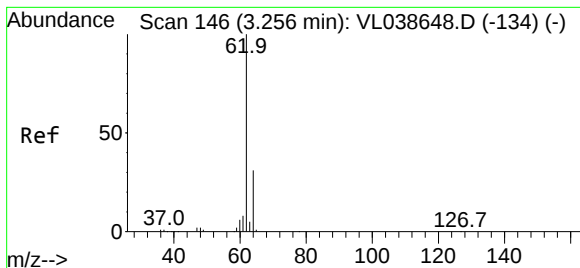
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#4  
Chloromethane  
Concen: 8.385 ppbv  
RT: 3.137 min Scan# 109  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

Tgt Ion: 50 Resp: 521324  
Ion Ratio Lower Upper  
50 100  
52 31.9 25.6 38.4





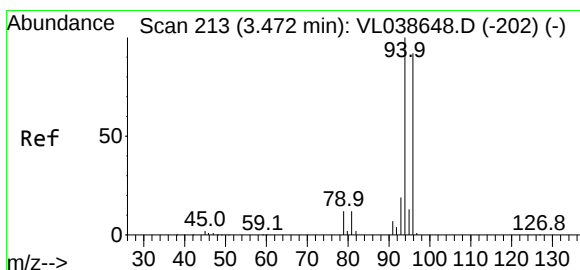
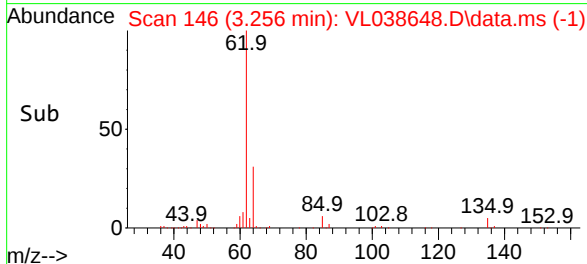
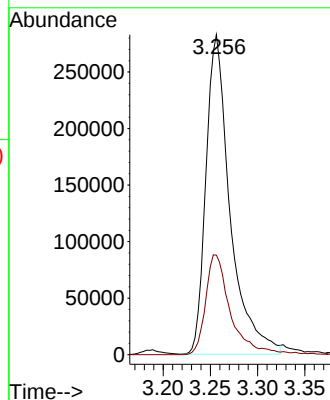
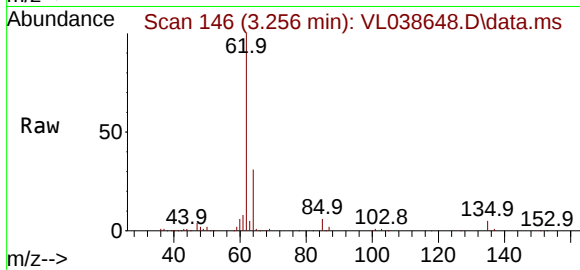
#5  
 Vinyl Chloride  
 Concen: 8.051 ppbv  
 RT: 3.256 min Scan# 146  
 Delta R.T. 0.003 min  
 Lab File: VL038648.D  
 Acq: 21 Mar 2022 12:37

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010

Tgt Ion: 62 Resp: 50241  
 Ion Ratio Lower Upper  
 62 100  
 64 31.2 25.8 38.6

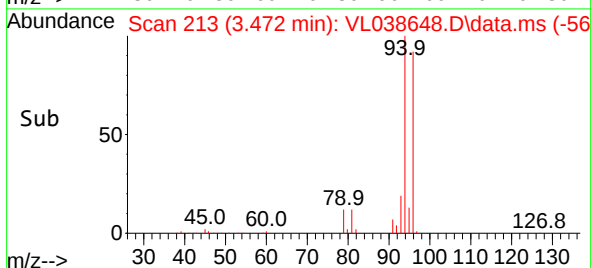
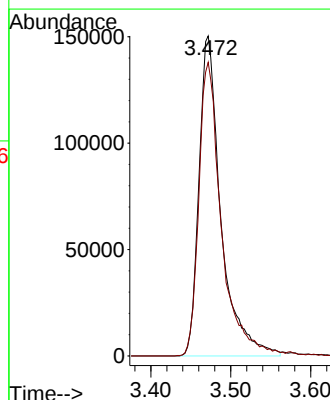
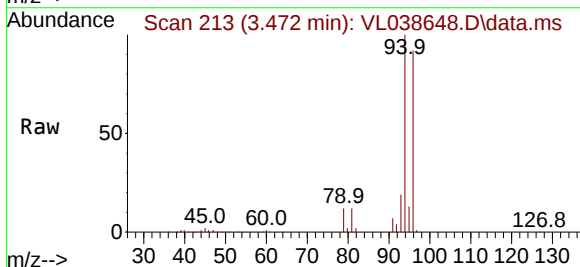
Manual Integrations  
 APPROVED

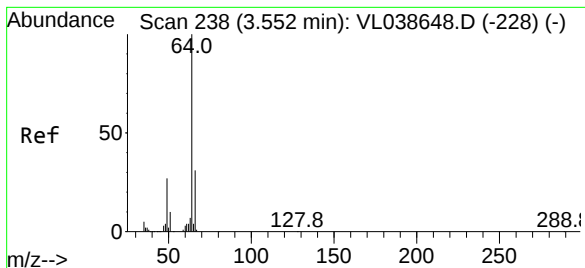
Reviewed By :Semsettin Yesilyurt 03/22/2022  
 Supervised By :Mahesh Dadoda 03/24/2022



#6  
 Bromomethane  
 Concen: 8.569 ppbv  
 RT: 3.472 min Scan# 213  
 Delta R.T. 0.003 min  
 Lab File: VL038648.D  
 Acq: 21 Mar 2022 12:37

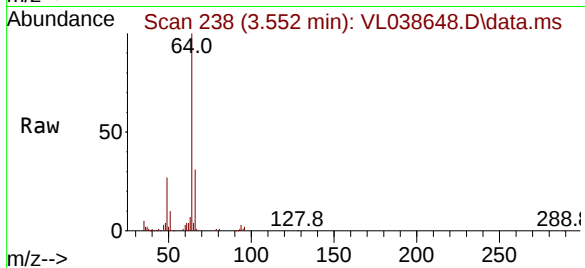
Tgt Ion: 94 Resp: 287036  
 Ion Ratio Lower Upper  
 94 100  
 96 91.6 73.7 110.5





#7  
Chloroethane  
Concen: 8.886 ppbv  
RT: 3.552 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

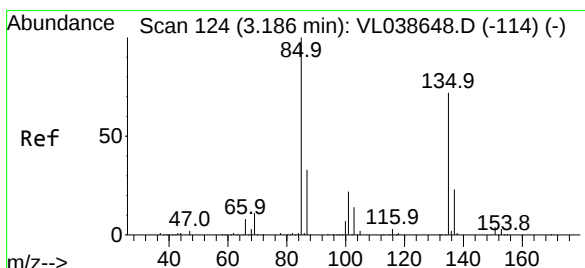
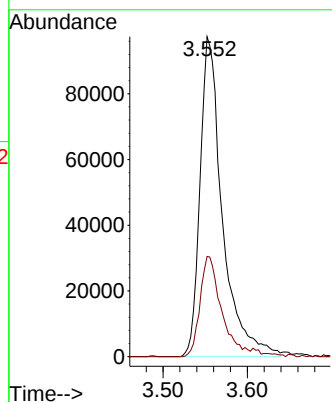
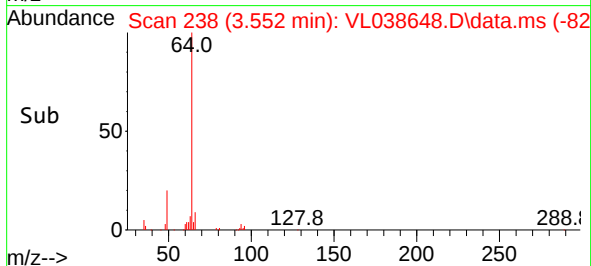
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 64 Resp: 179538  
Ion Ratio Lower Upper  
64 100  
66 31.3 26.6 39.8

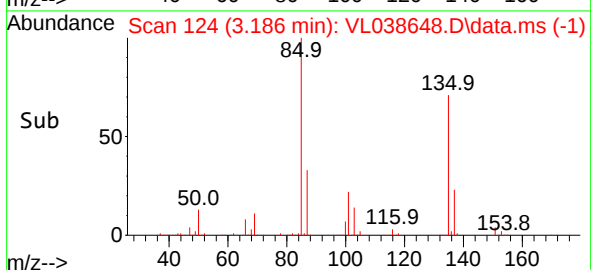
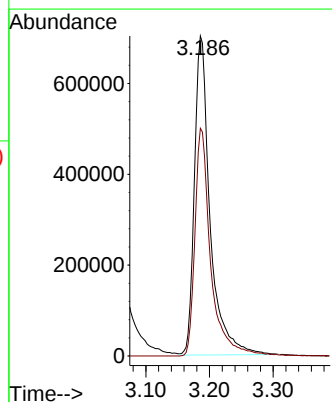
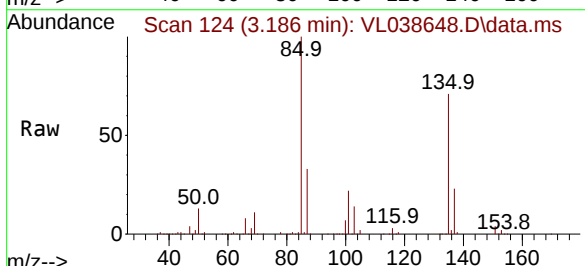
Manual Integrations  
APPROVED

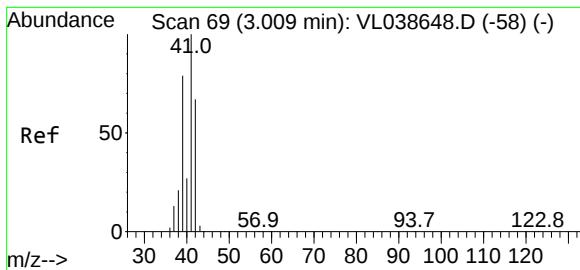
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#8  
Dichlorotetrafluoroethane  
Concen: 8.636 ppbv  
RT: 3.186 min Scan# 124  
Delta R.T. 0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

Tgt Ion: 85 Resp: 1202754  
Ion Ratio Lower Upper  
85 100  
135 72.2 59.0 88.4





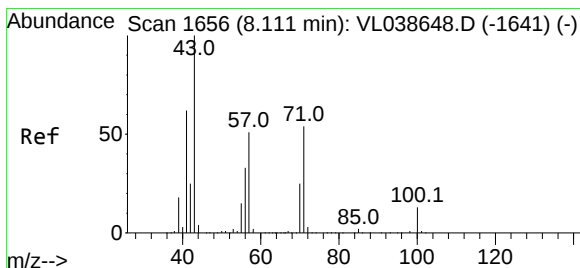
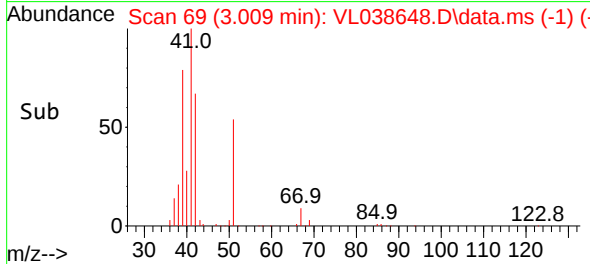
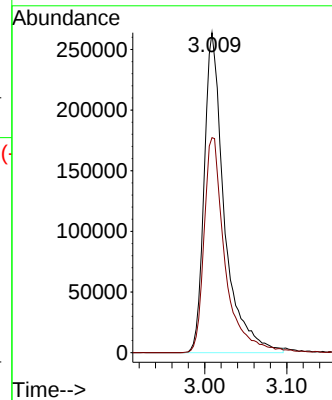
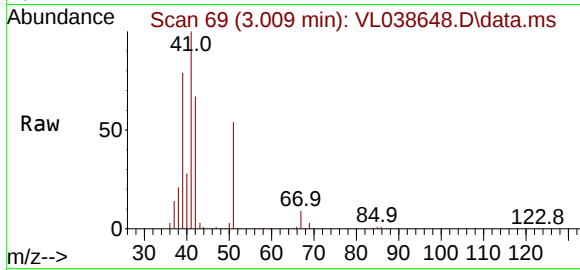
#9  
 Propene  
 Concen: 7.616 ppbv  
 RT: 3.009 min Scan# 69  
 Delta R.T. 0.003 min  
 Lab File: VL038648.D  
 Acq: 21 Mar 2022 12:37

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010

Tgt Ion: 41 Resp: 450720  
 Ion Ratio Lower Upper  
 41 100  
 42 70.3 55.7 83.5

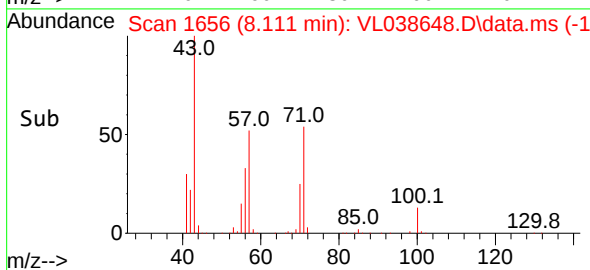
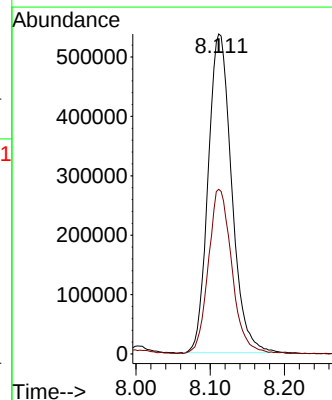
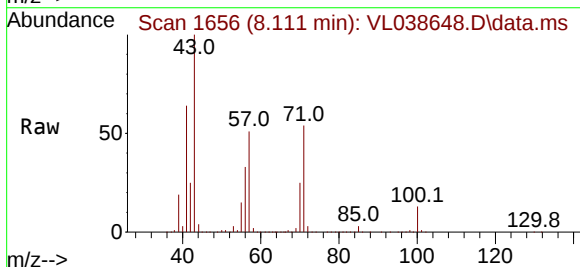
Manual Integrations  
 APPROVED

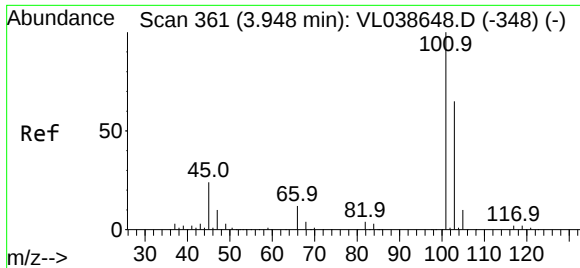
Reviewed By :Semsettin Yesilyurt 03/22/2022  
 Supervised By :Mahesh Dadoda 03/24/2022



#10  
 Heptane  
 Concen: 8.356 ppbv  
 RT: 8.111 min Scan# 1656  
 Delta R.T. 0.000 min  
 Lab File: VL038648.D  
 Acq: 21 Mar 2022 12:37

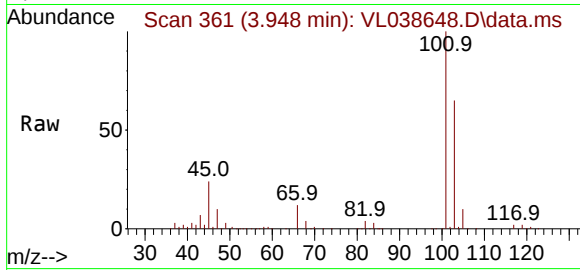
Tgt Ion: 43 Resp: 1183010  
 Ion Ratio Lower Upper  
 43 100  
 57 51.8 39.6 59.4





#11  
Trichlorofluoromethane  
Concen: 8.665 ppbv  
RT: 3.948 min Scan# 361  
Delta R.T. 0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

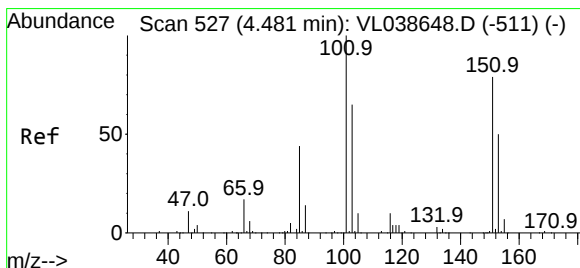
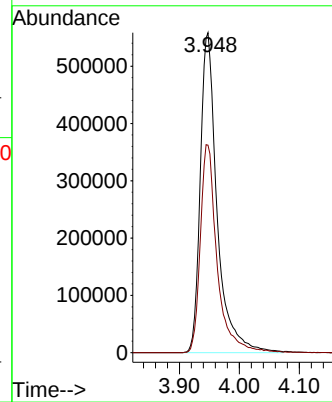
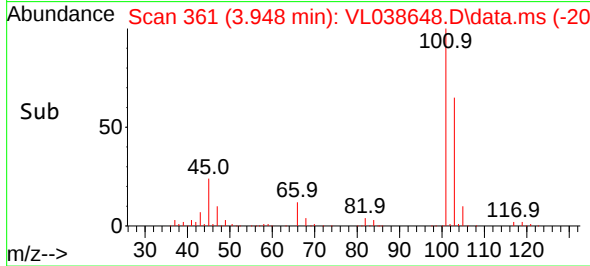
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



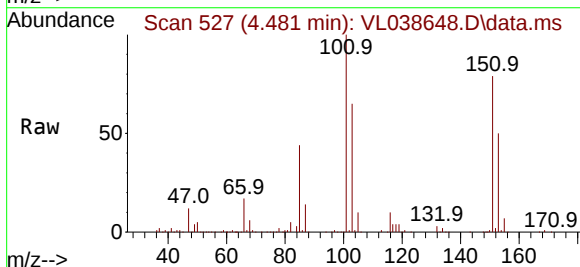
Tgt Ion:101 Resp: 1091498  
Ion Ratio Lower Upper  
101 100  
103 64.9 52.0 78.0

Manual Integrations  
APPROVED

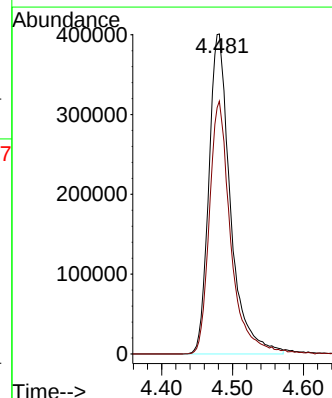
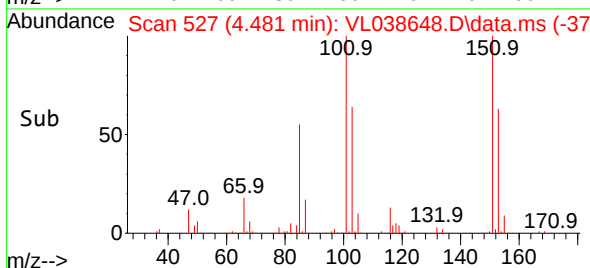
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022

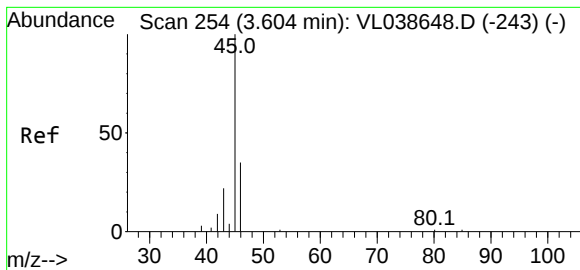


#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 8.648 ppbv  
RT: 4.481 min Scan# 527  
Delta R.T. 0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37



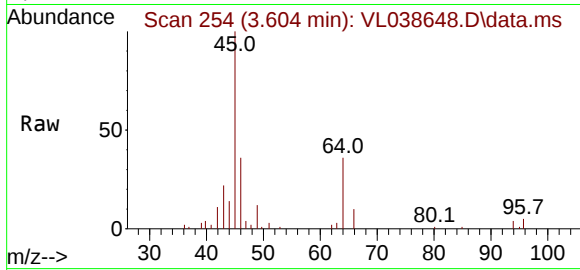
Tgt Ion:101 Resp: 846986  
Ion Ratio Lower Upper  
101 100  
151 78.6 63.4 95.0





#13  
Ethanol  
Concen: 5.958 ppbv  
RT: 3.604 min Scan# 214  
Delta R.T. 0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

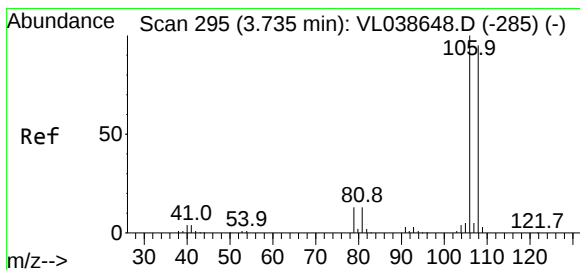
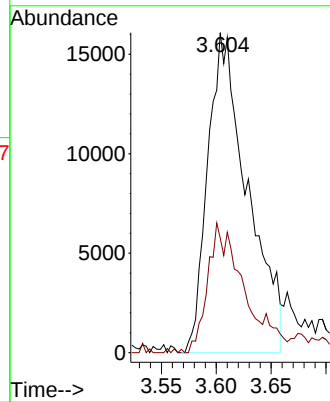
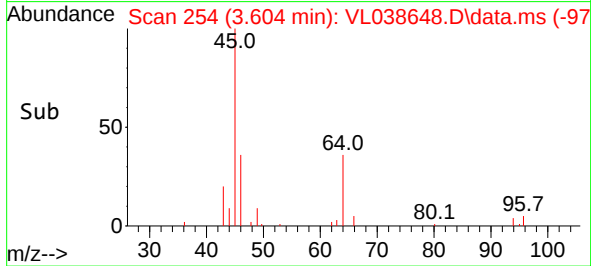
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 45 Resp: 4050  
Ion Ratio Lower Upper  
45 100  
46 37.8 16.8 67.0

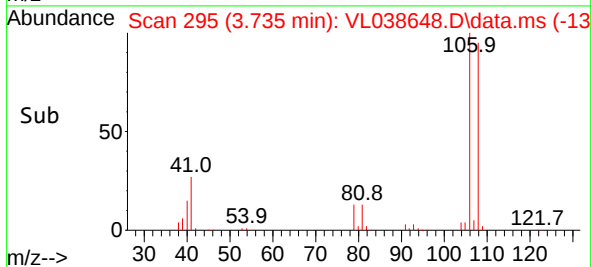
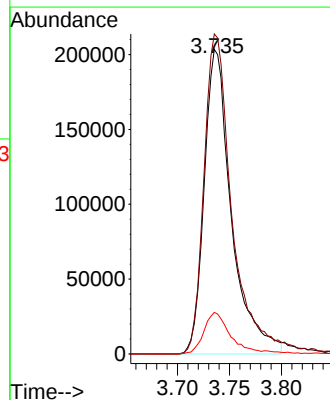
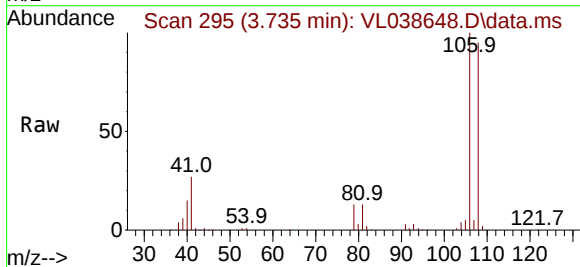
Manual Integrations  
APPROVED

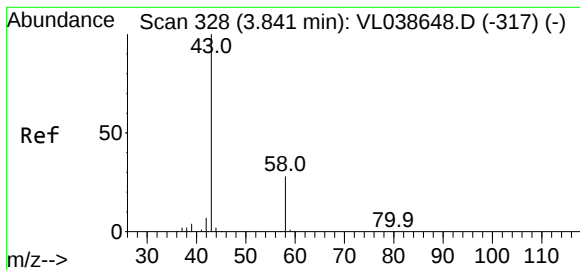
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#14  
Bromoethene  
Concen: 8.888 ppbv  
RT: 3.735 min Scan# 295  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

Tgt Ion:108 Resp: 370876  
Ion Ratio Lower Upper  
108 100  
106 110.4 85.9 128.9  
79 14.0 11.0 16.6





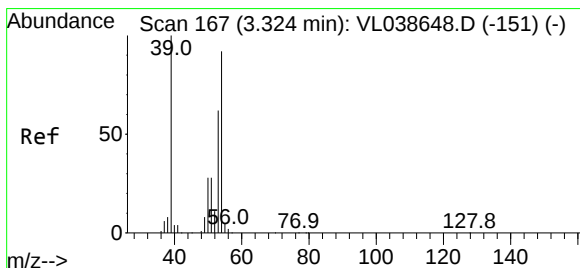
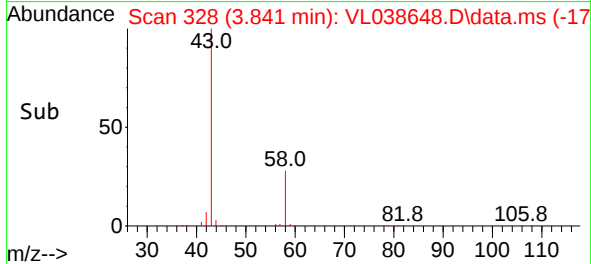
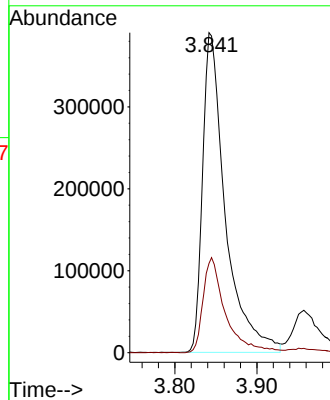
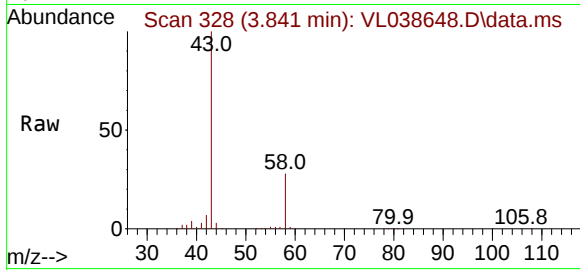
#15  
Acetone  
Concen: 11.197 ppbv  
RT: 3.841 min Scan# 317  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010

Tgt Ion: 43 Resp: 751264  
Ion Ratio Lower Upper  
43 100  
58 29.1 22.7 34.1

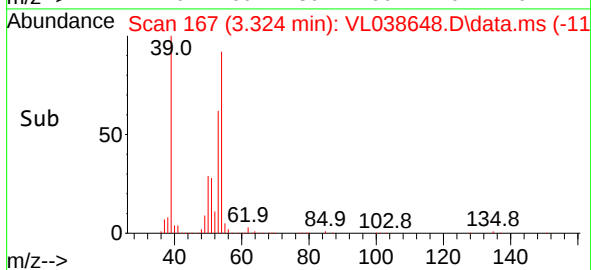
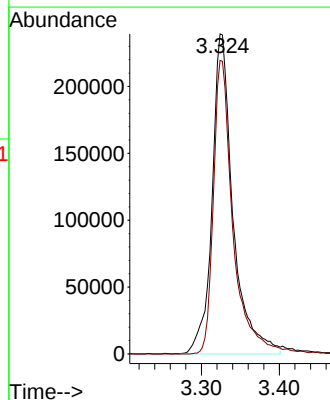
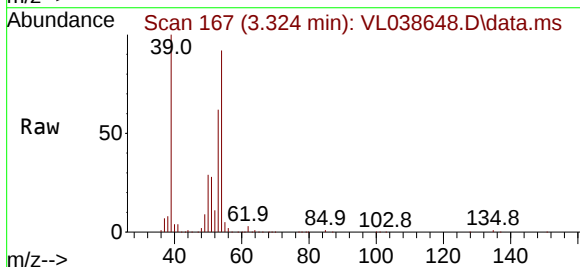
Manual Integrations  
APPROVED

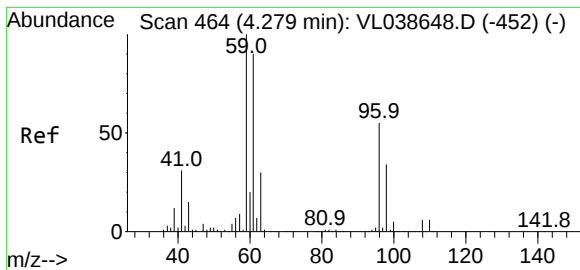
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#16  
1,3-Butadiene  
Concen: 8.326 ppbv  
RT: 3.324 min Scan# 167  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

Tgt Ion: 39 Resp: 448850  
Ion Ratio Lower Upper  
39 100  
54 86.4 64.2 96.2





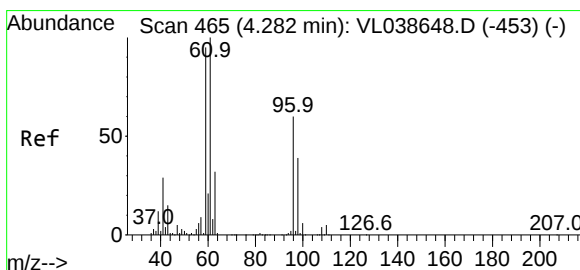
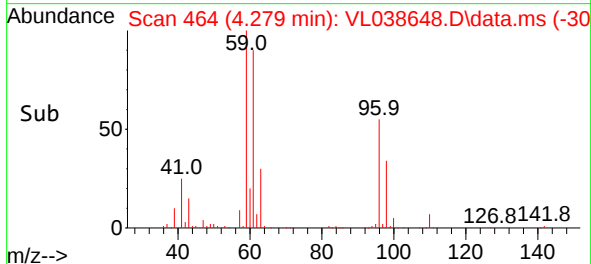
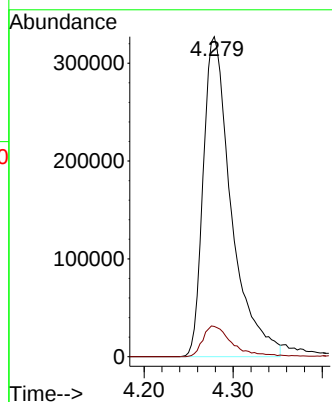
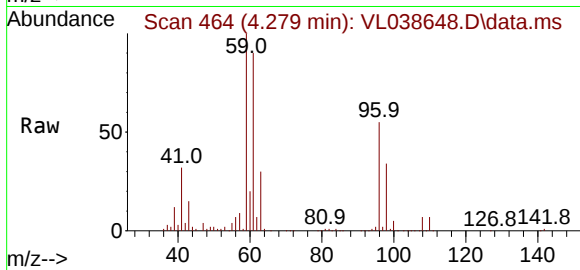
#17  
tert-Butyl alcohol  
Concen: 9.832 ppbv  
RT: 4.279 min Scan# 464  
Delta R.T. 0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010

Tgt Ion: 59 Resp: 716720  
Ion Ratio Lower Upper  
59 100  
57 10.2 8.1 12.1

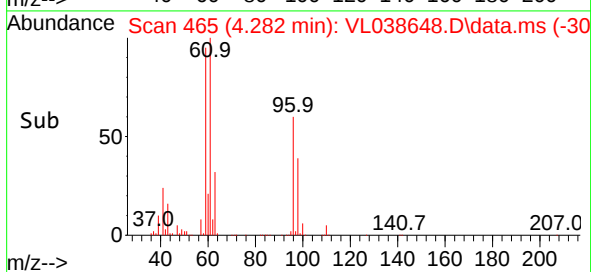
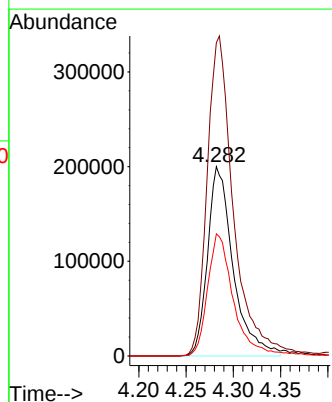
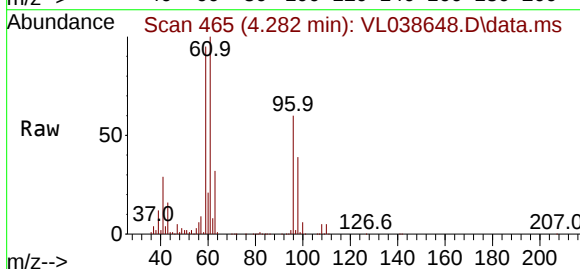
Manual Integrations  
APPROVED

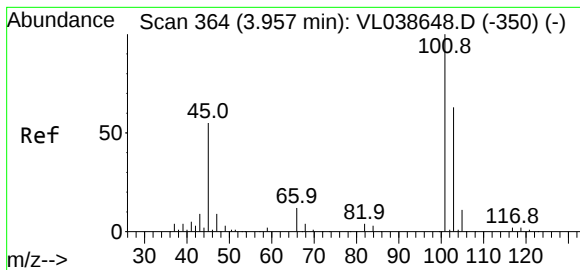
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#18  
1,1-Dichloroethene  
Concen: 8.590 ppbv  
RT: 4.282 min Scan# 465  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

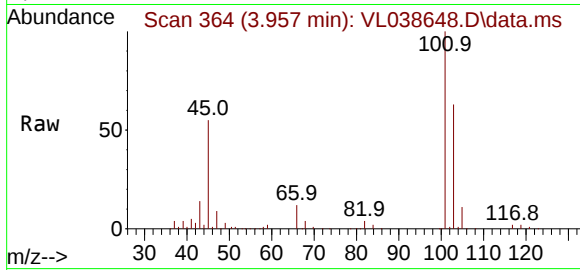
Tgt Ion: 96 Resp: 376514  
Ion Ratio Lower Upper  
96 100  
61 165.5 137.4 206.0  
98 64.5 49.3 73.9





#19  
Isopropyl Alcohol  
Concen: 10.022 ppbv  
RT: 3.957 min Scan# 30  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

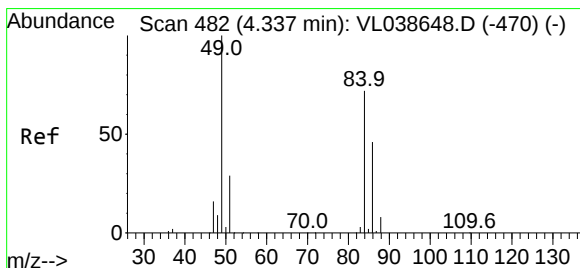
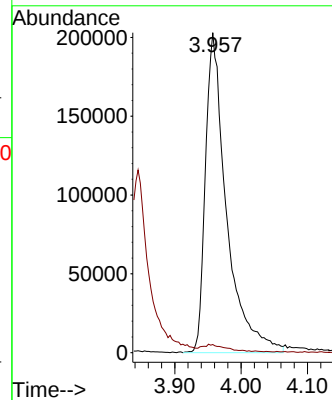
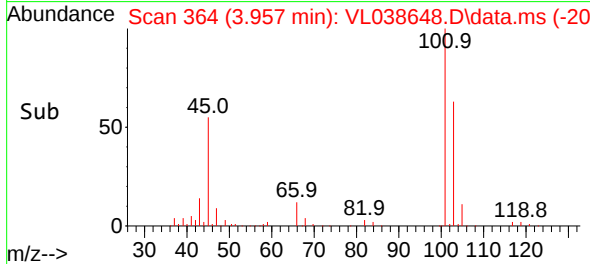
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 45 Resp: 448960  
Ion Ratio Lower Upper  
45 100  
58 2.9 2.2 3.2

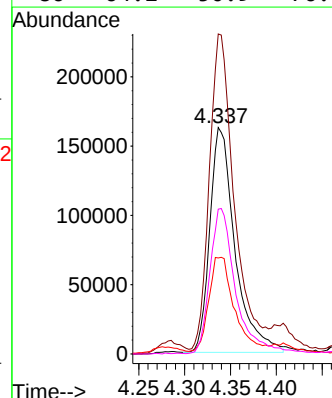
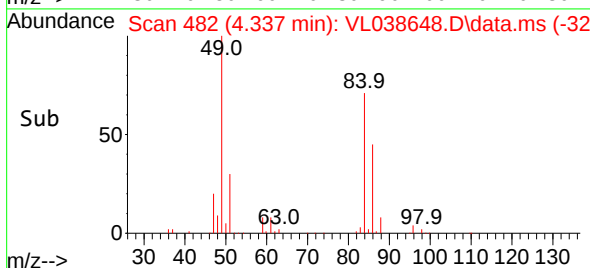
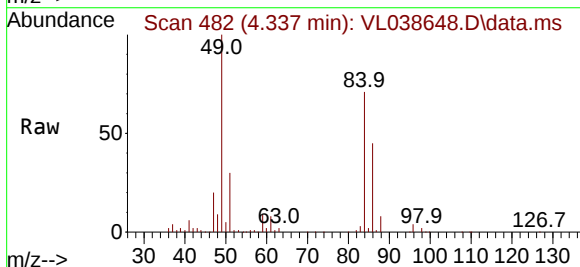
Manual Integrations  
APPROVED

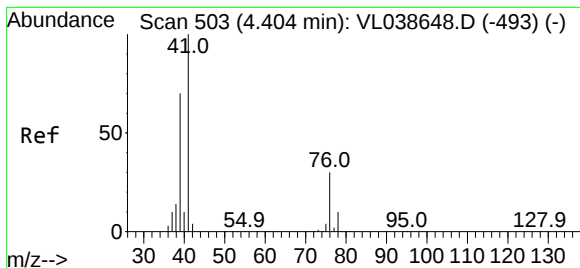
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#20  
Methylene Chloride  
Concen: 7.714 ppbv  
RT: 4.337 min Scan# 482  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

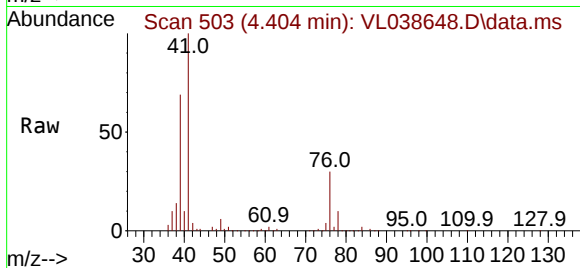
Tgt Ion: 84 Resp: 311455  
Ion Ratio Lower Upper  
84 100  
49 139.0 111.1 166.7  
51 41.0 34.0 51.0  
86 64.2 50.9 76.3





#21  
 Allyl Chloride  
 Concen: 9.009 ppbv  
 RT: 4.404 min Scan# 503  
 Delta R.T. 0.000 min  
 Lab File: VL038648.D  
 Acq: 21 Mar 2022 12:37

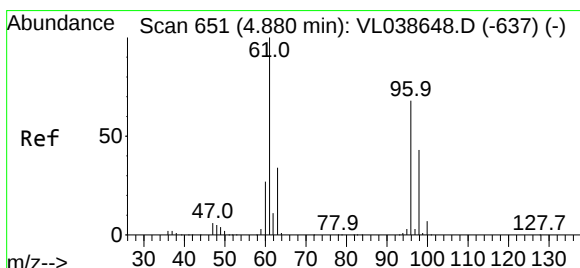
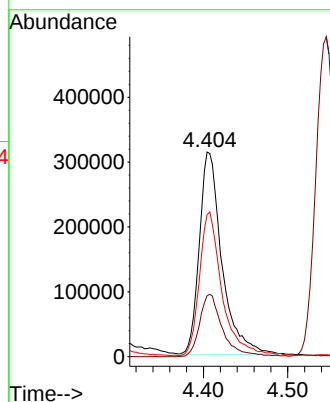
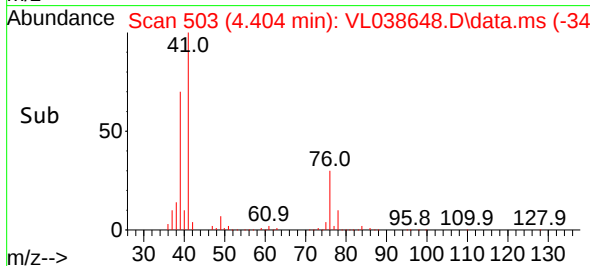
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010



Tgt Ion: 41 Resp: 582559  
 Ion Ratio Lower Upper  
 41 100  
 76 31.3 24.3 36.5  
 39 70.8 57.1 85.7

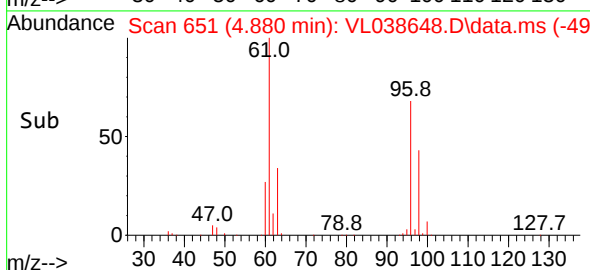
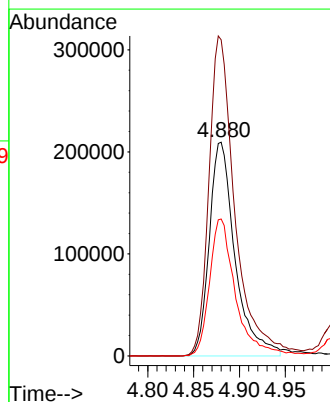
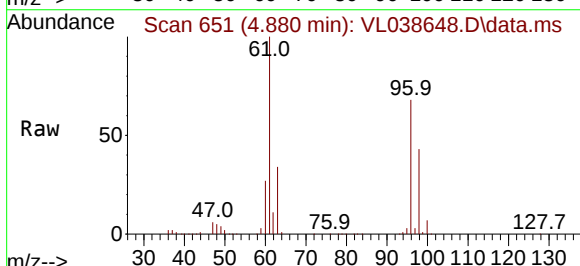
Manual Integrations  
 APPROVED

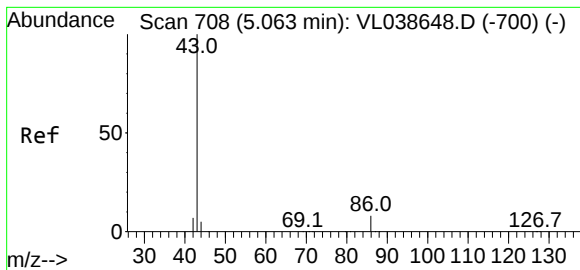
Reviewed By :Semsettin Yesilyurt 03/22/2022  
 Supervised By :Mahesh Dadoda 03/24/2022



#22  
 trans-1,2-Dichloroethene  
 Concen: 8.908 ppbv  
 RT: 4.880 min Scan# 651  
 Delta R.T. 0.000 min  
 Lab File: VL038648.D  
 Acq: 21 Mar 2022 12:37

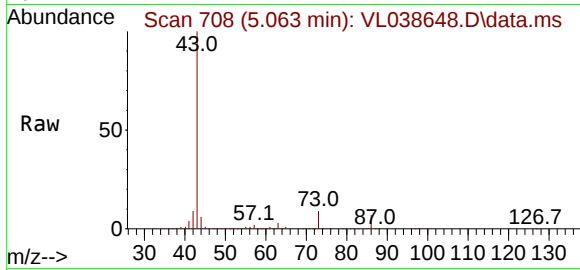
Tgt Ion: 96 Resp: 409293  
 Ion Ratio Lower Upper  
 96 100  
 61 147.9 117.6 176.4  
 98 64.1 52.6 78.8





#23  
 Vinyl Acetate  
 Concen: 8.652 ppbv  
 RT: 5.063 min Scan# 708  
 Delta R.T. 0.000 min  
 Lab File: VL038648.D  
 Acq: 21 Mar 2022 12:37

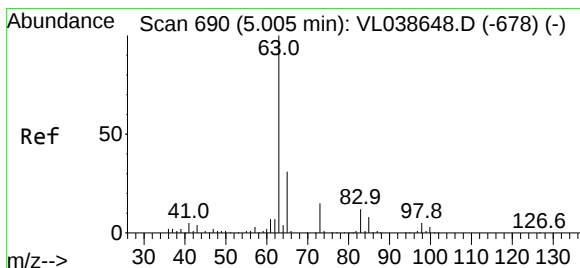
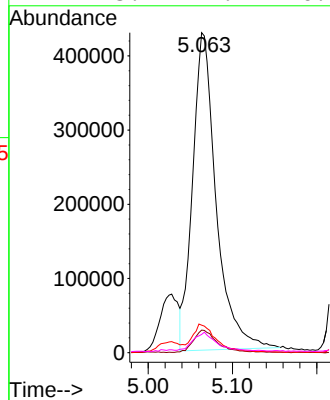
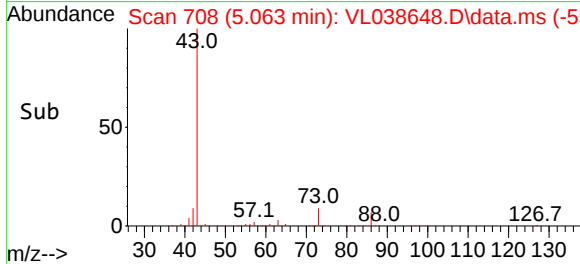
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010



Tgt Ion: 43 Resp: 83205  
 Ion Ratio Lower Upper  
 43 100  
 86 7.0 5.6 8.4  
 42 8.5 7.1 10.7  
 44 5.2 4.1 6.1

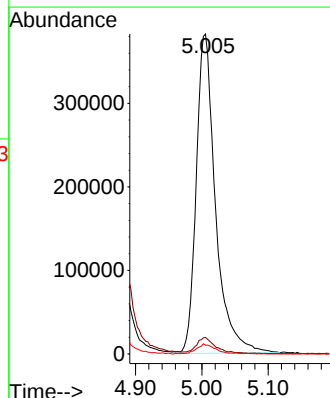
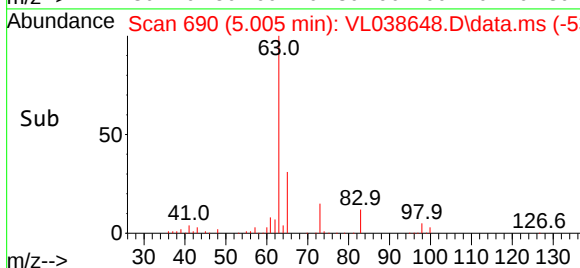
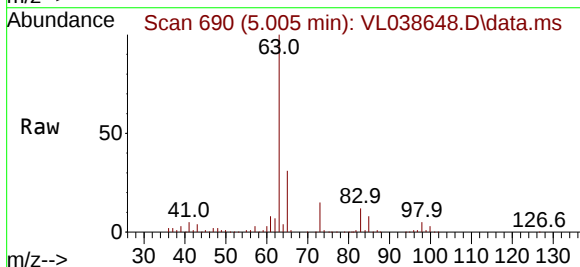
Manual Integrations  
 APPROVED

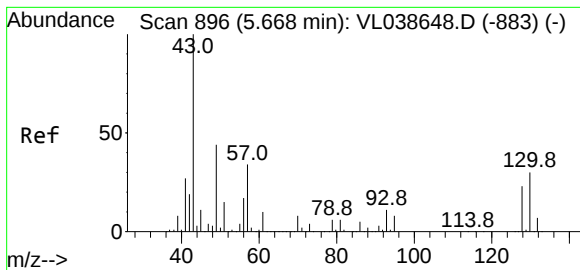
Reviewed By :Semsettin Yesilyurt 03/22/2022  
 Supervised By :Mahesh Dadoda 03/24/2022



#24  
 1,1-Dichloroethane  
 Concen: 8.830 ppbv  
 RT: 5.005 min Scan# 690  
 Delta R.T. 0.003 min  
 Lab File: VL038648.D  
 Acq: 21 Mar 2022 12:37

Tgt Ion: 63 Resp: 772318  
 Ion Ratio Lower Upper  
 63 100  
 98 5.0 2.2 6.6  
 100 2.8 1.5 4.5





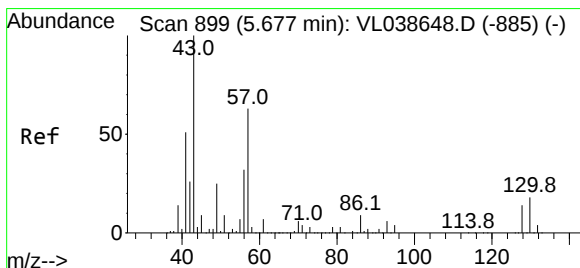
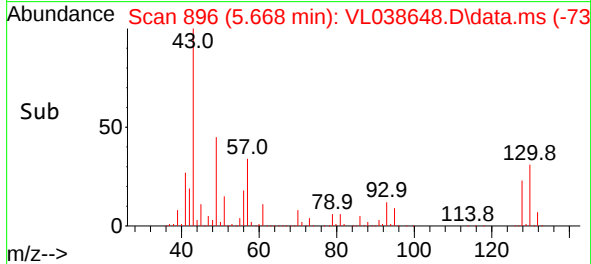
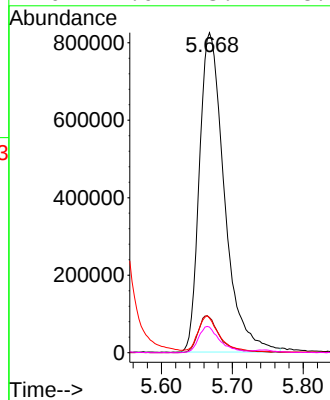
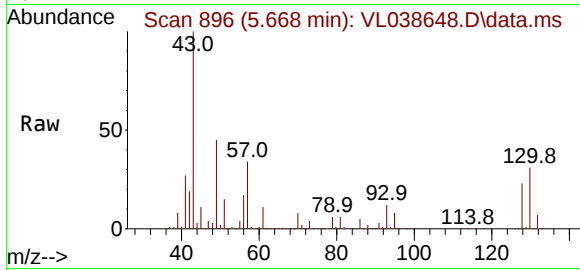
#25  
Ethyl Acetate  
Concen: 8.935 ppbv  
RT: 5.668 min Scan# 896  
Delta R.T. 0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010

Tgt Ion: 43 Resp: 201885  
Ion Ratio Lower Upper  
43 100  
45 10.3 8.0 12.0  
61 10.4 8.2 12.4  
70 7.0 5.4 8.2

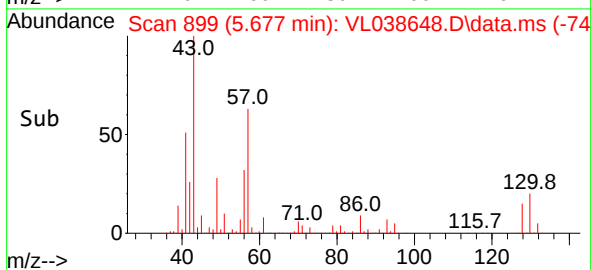
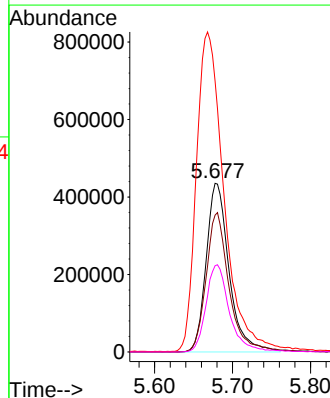
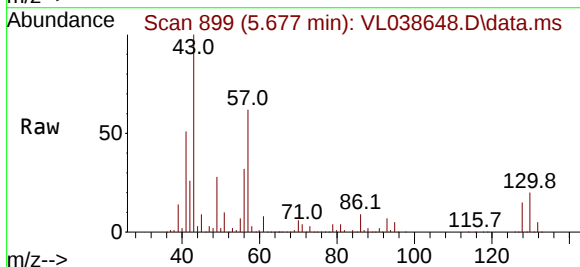
Manual Integrations  
APPROVED

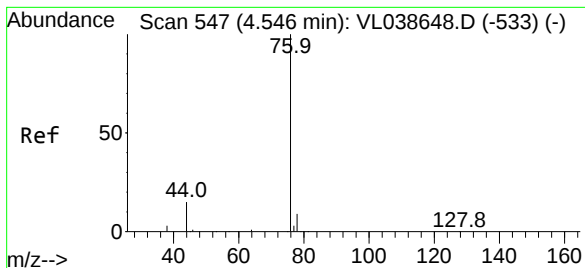
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#26  
Hexane  
Concen: 8.382 ppbv  
RT: 5.677 min Scan# 899  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

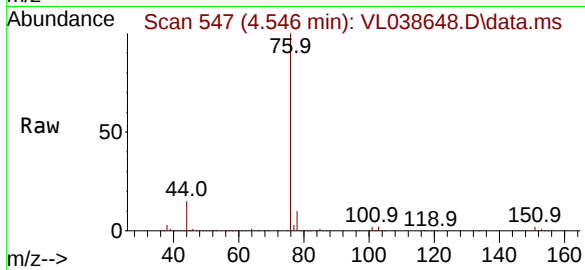
Tgt Ion: 57 Resp: 889469  
Ion Ratio Lower Upper  
57 100  
41 83.7 67.8 101.6  
43 230.2 173.6 260.4  
56 53.3 42.2 63.2





#27  
Carbon Disulfide  
Concen: 9.203 ppbv  
RT: 4.546 min Scan# 547  
Delta R.T. 0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

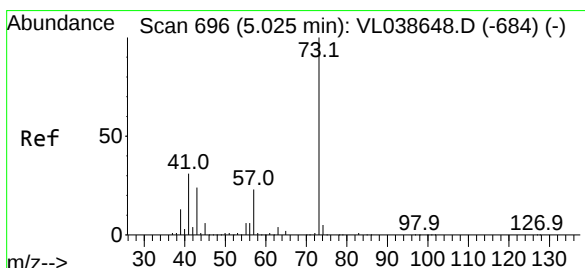
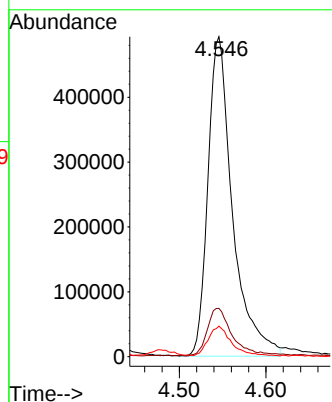
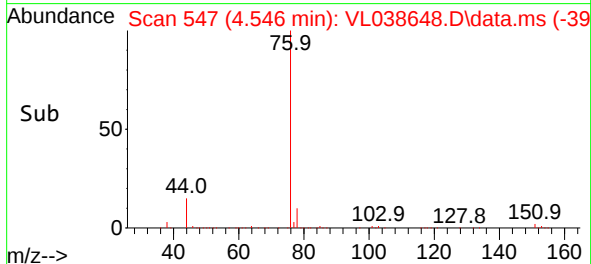
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 76 Resp: 972540  
Ion Ratio Lower Upper  
76 100  
44 15.5 12.9 19.3  
78 9.8 7.8 11.6

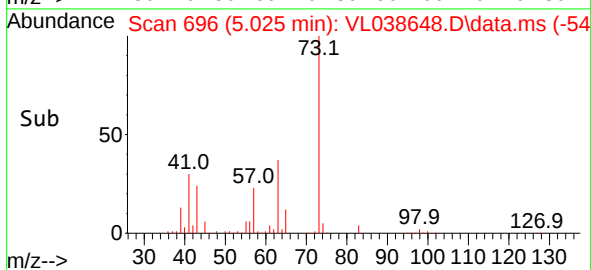
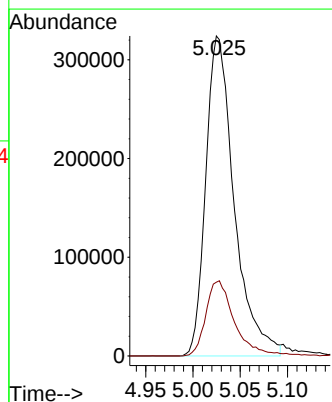
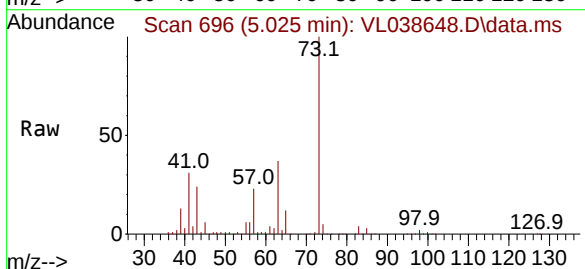
Manual Integrations  
APPROVED

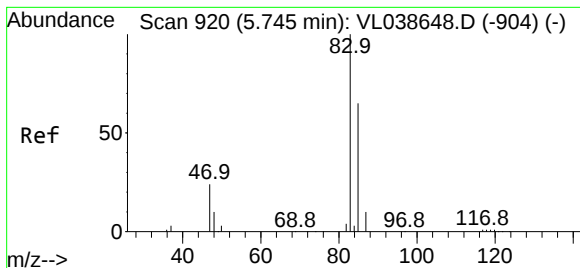
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#28  
Methyl tert-Butyl Ether  
Concen: 7.857 ppbv  
RT: 5.025 min Scan# 696  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

Tgt Ion: 73 Resp: 678526  
Ion Ratio Lower Upper  
73 100  
57 24.0 18.8 28.2





#29

Chloroform

Concen: 8.591 ppbv

RT: 5.745 min Scan# 91

Delta R.T. 0.003 min

Lab File: VL038648.D

Acq: 21 Mar 2022 12:37

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 83 Resp: 141865

Ion Ratio Lower Upper

83 100

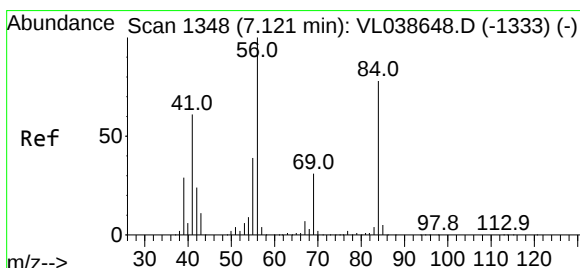
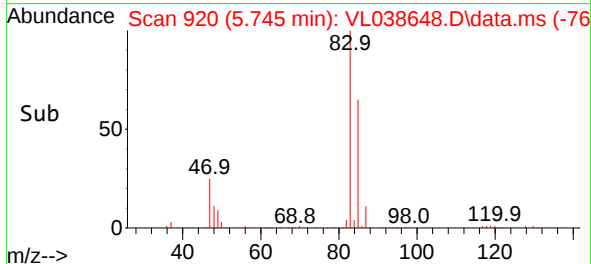
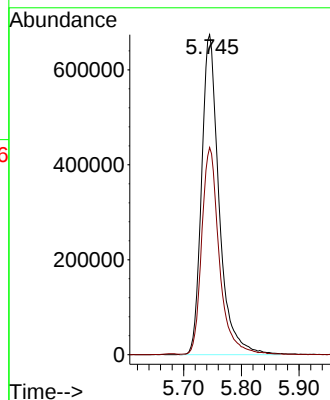
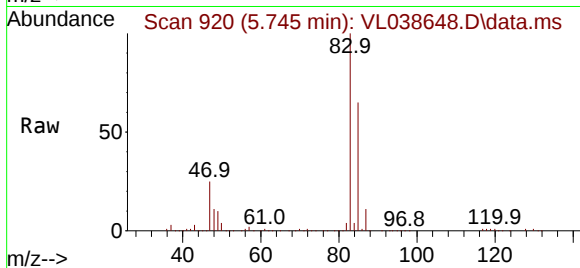
85 64.6 52.8 79.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022



#30

Cyclohexane

Concen: 8.536 ppbv

RT: 7.121 min Scan# 1348

Delta R.T. 0.003 min

Lab File: VL038648.D

Acq: 21 Mar 2022 12:37

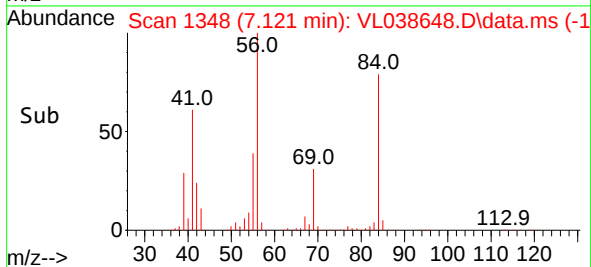
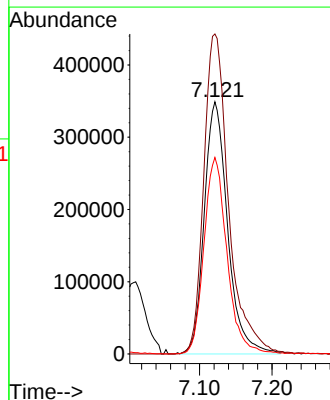
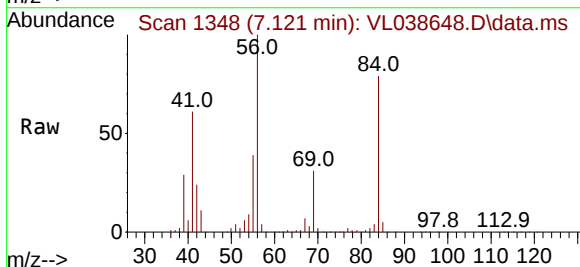
Tgt Ion: 84 Resp: 783325

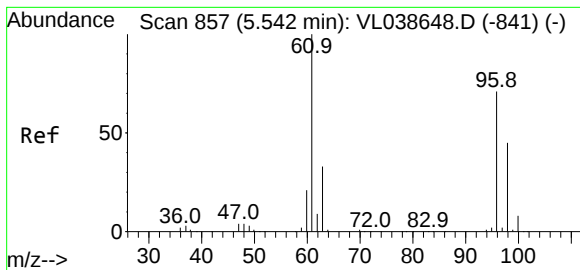
Ion Ratio Lower Upper

84 100

56 135.3 111.4 167.0

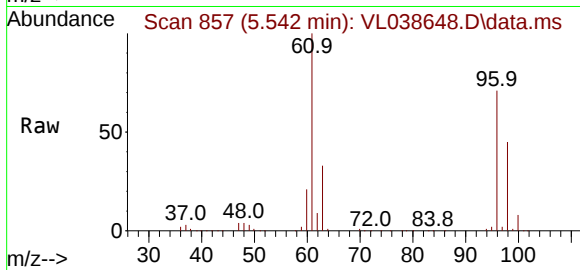
41 77.2 65.5 98.3





#31  
cis-1,2-Dichloroethene  
Concen: 8.566 ppbv  
RT: 5.542 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

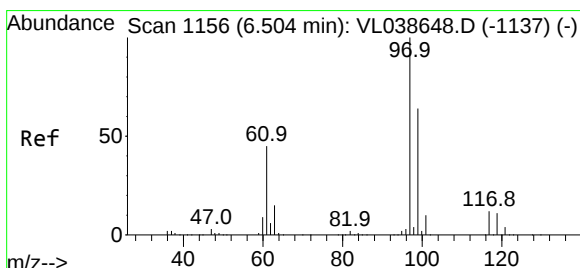
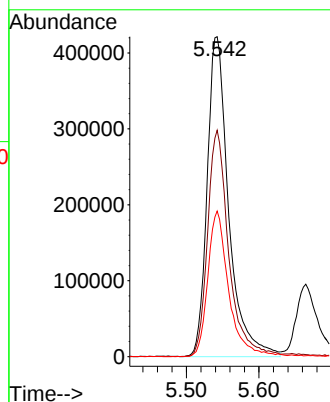
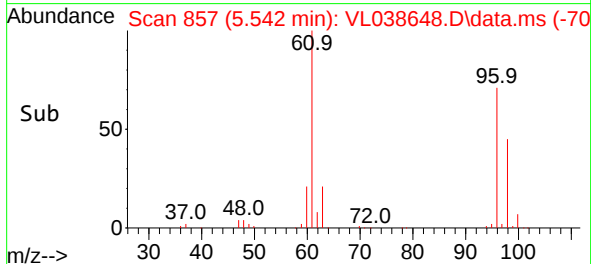
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 61 Resp: 86946  
Ion Ratio Lower Upper  
61 100  
96 70.7 55.2 82.8  
98 45.4 34.2 51.4

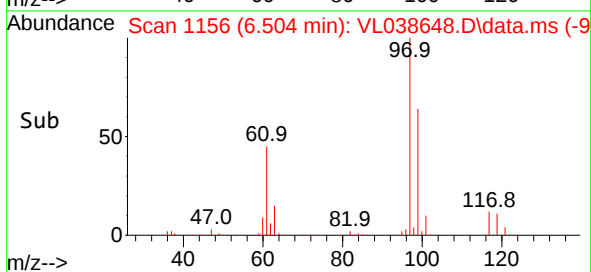
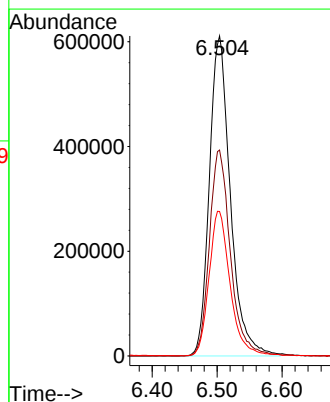
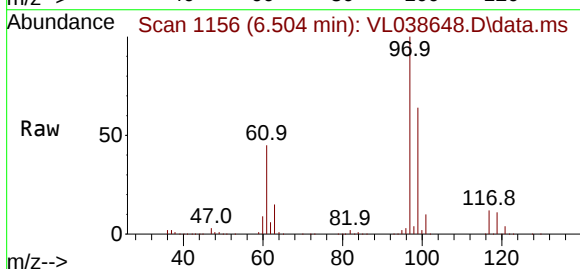
Manual Integrations  
APPROVED

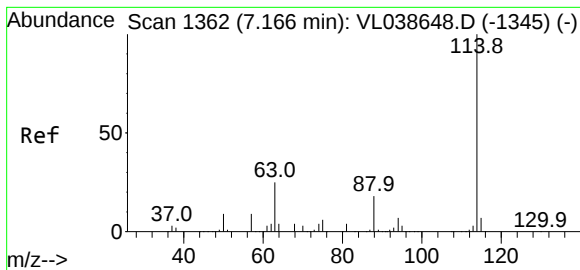
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#32  
1,1,1-Trichloroethane  
Concen: 8.572 ppbv  
RT: 6.504 min Scan# 1156  
Delta R.T. 0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

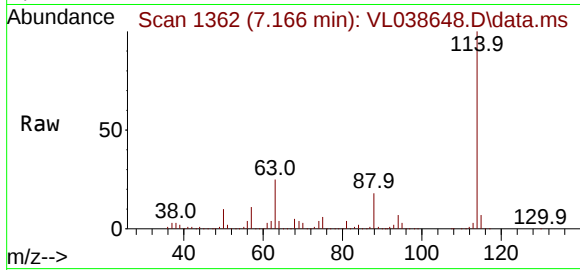
Tgt Ion: 97 Resp: 1372663  
Ion Ratio Lower Upper  
97 100  
99 64.8 52.1 78.1  
61 45.9 37.7 56.5





#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.166 min Scan# 1114  
Delta R.T. 0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

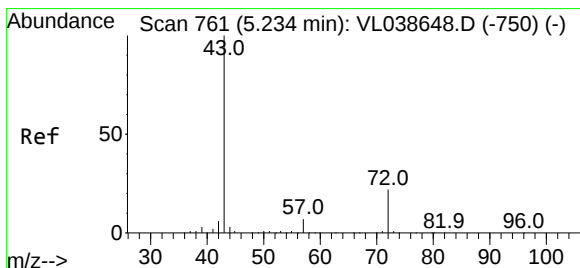
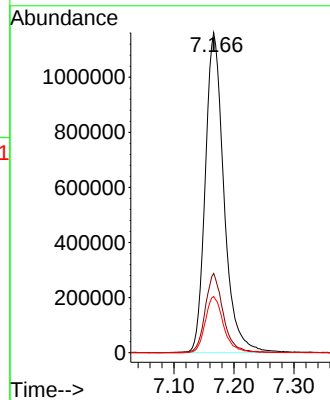
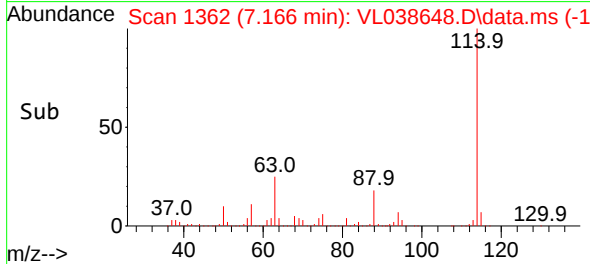
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion:114 Resp: 251503  
Ion Ratio Lower Upper  
114 100  
63 24.2 19.6 29.4  
88 17.4 13.9 20.9

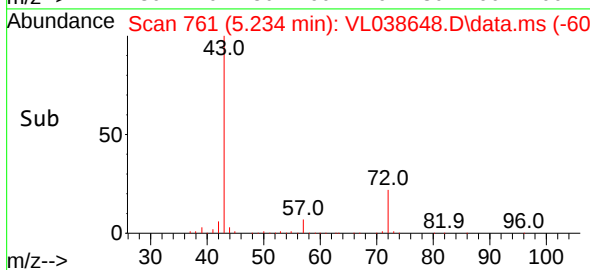
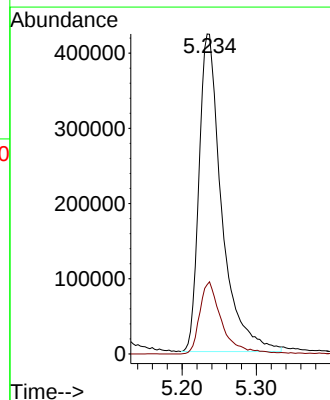
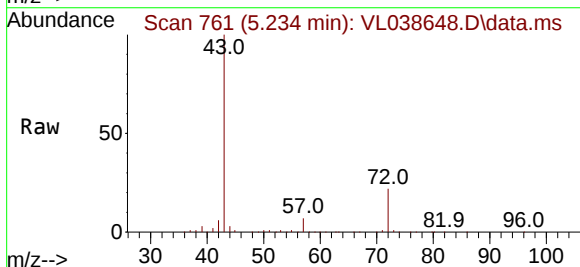
Manual Integrations  
APPROVED

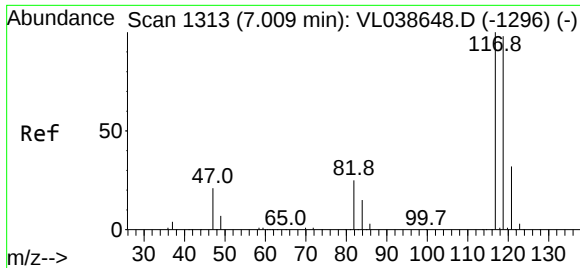
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#34  
2-Butanone  
Concen: 13.759 ppbv  
RT: 5.234 min Scan# 761  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

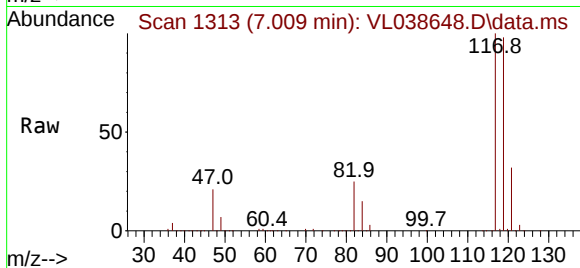
Tgt Ion: 43 Resp: 896971  
Ion Ratio Lower Upper  
43 100  
72 22.3 17.8 26.6





#35  
Carbon Tetrachloride  
Concen: 8.394 ppbv  
RT: 7.009 min Scan# 117  
Delta R.T. 0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

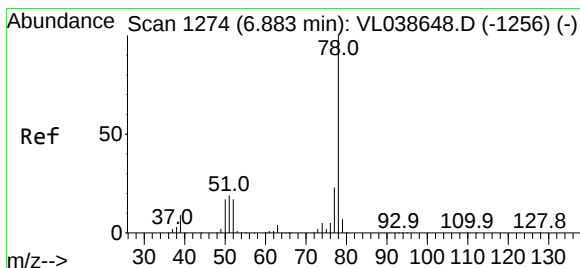
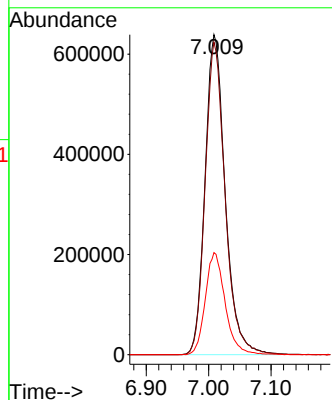
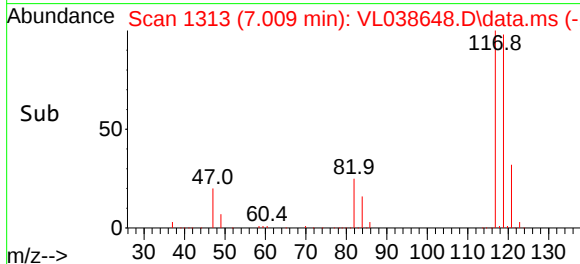
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion:117 Resp: 1439979  
Ion Ratio Lower Upper  
117 100  
119 97.6 75.2 112.8  
121 32.2 24.8 37.2

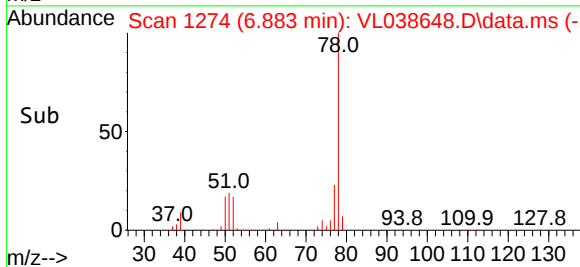
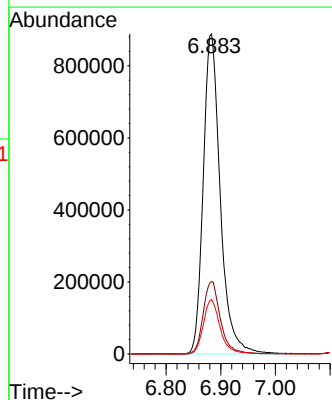
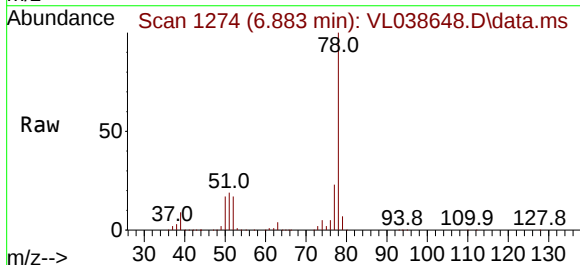
Manual Integrations  
APPROVED

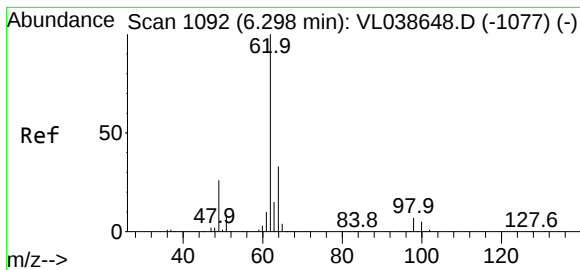
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#36  
Benzene  
Concen: 8.459 ppbv  
RT: 6.883 min Scan# 1274  
Delta R.T. 0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

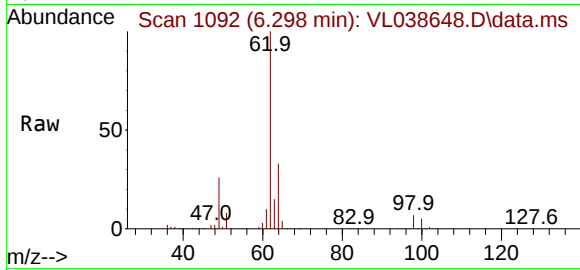
Tgt Ion: 78 Resp: 1919838  
Ion Ratio Lower Upper  
78 100  
77 22.6 19.0 28.4  
50 17.0 13.9 20.9





#37  
1,2-Dichloroethane  
Concen: 8.899 ppbv  
RT: 6.298 min Scan# 1092  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

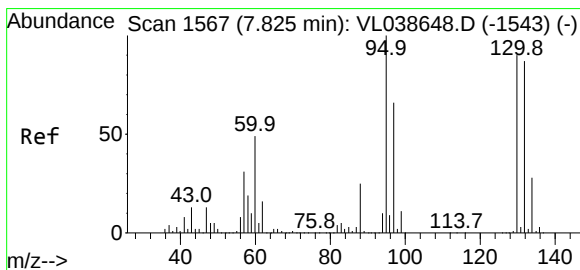
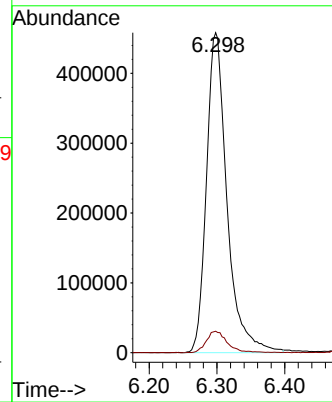
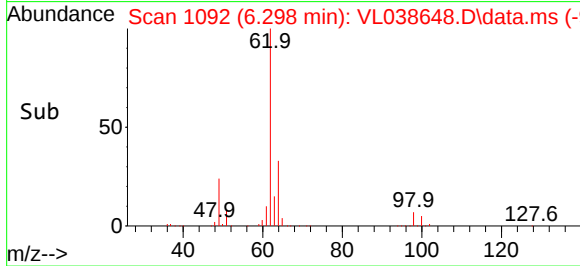
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 62 Resp: 965130  
Ion Ratio Lower Upper  
62 100  
98 7.0 5.7 8.5

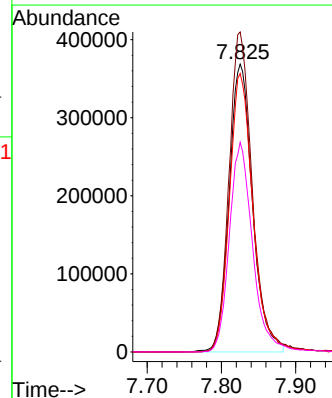
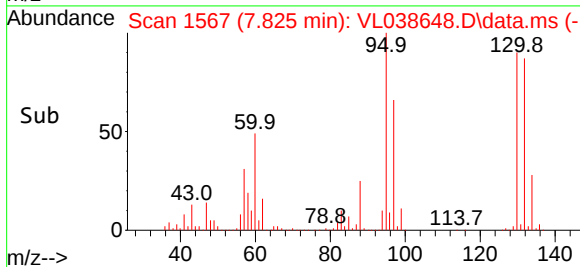
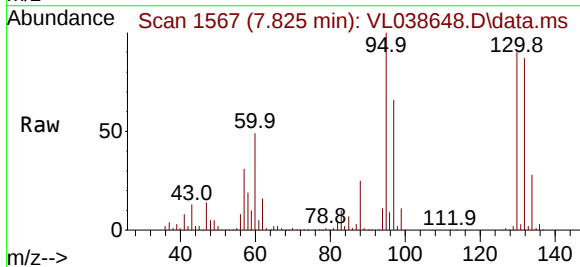
Manual Integrations  
APPROVED

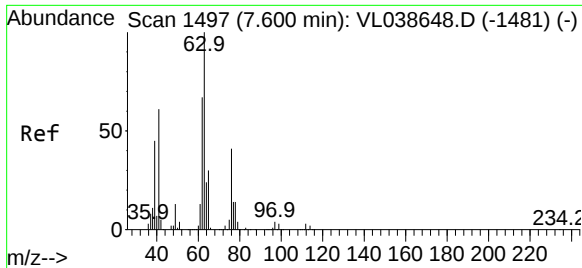
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#38  
Trichloroethene  
Concen: 8.925 ppbv  
RT: 7.825 min Scan# 1567  
Delta R.T. 0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

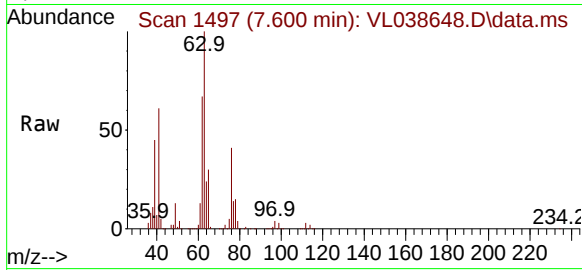
Tgt Ion:130 Resp: 809167  
Ion Ratio Lower Upper  
130 100  
95 111.1 87.8 131.8  
132 96.7 77.5 116.3  
97 72.8 55.4 83.2





#39  
1,2-Dichloropropane  
Concen: 8.532 ppbv  
RT: 7.600 min Scan# 1497  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

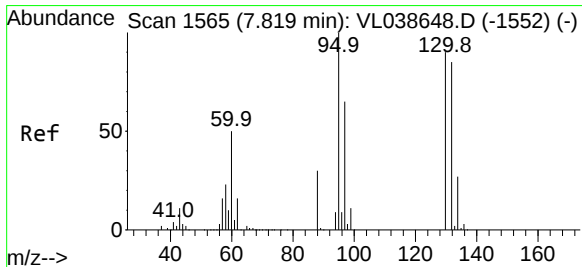
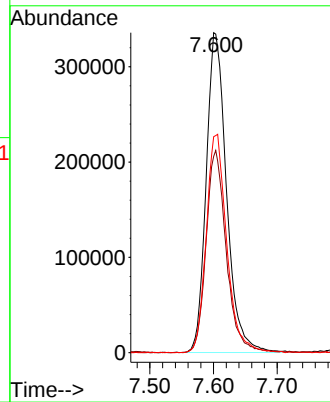
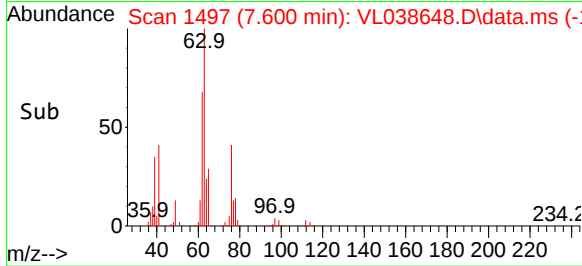
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 63 Resp: 744718  
Ion Ratio Lower Upper  
63 100  
41 61.3 49.8 74.6  
62 67.4 56.7 85.1

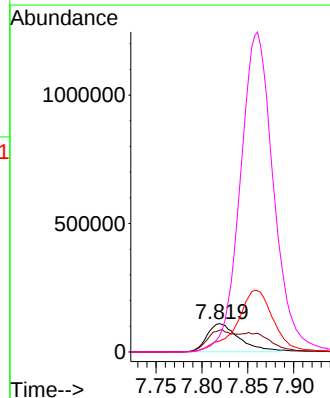
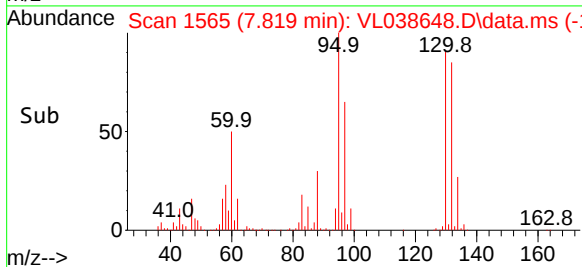
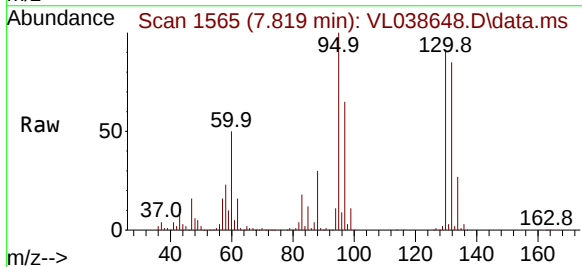
Manual Integrations  
APPROVED

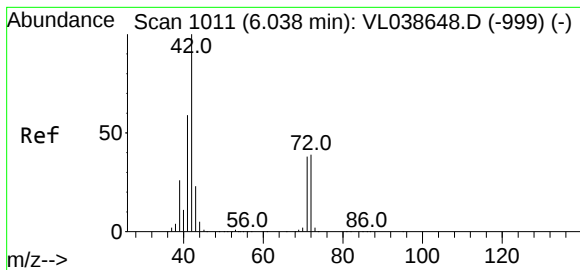
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#40  
1,4-Dioxane  
Concen: 12.303 ppbv  
RT: 7.819 min Scan# 1565  
Delta R.T. -0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

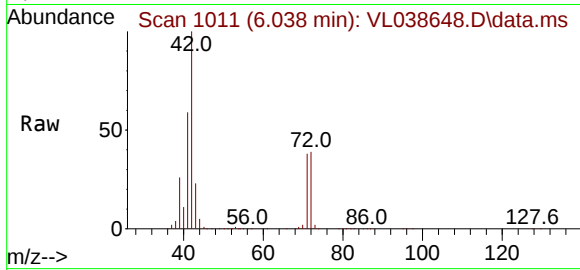
Tgt Ion: 88 Resp: 268766  
Ion Ratio Lower Upper  
88 100  
58 132.0 126.7 190.1  
43 252.4 303.0 454.6#  
57 1177.6 1368.6 2053.0#





#41  
Tetrahydrofuran  
Concen: 14.076 ppbv  
RT: 6.038 min Scan# 1011  
Delta R.T. -0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

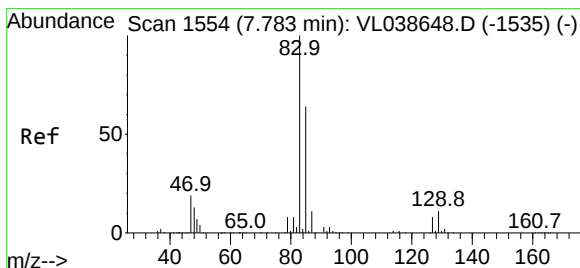
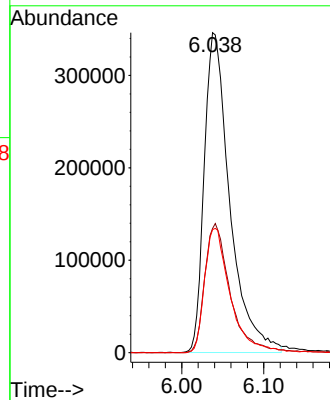
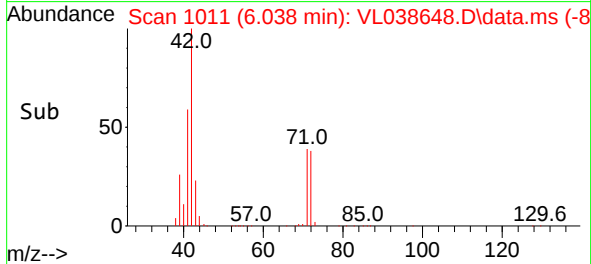
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 42 Resp: 750690  
Ion Ratio Lower Upper  
42 100  
72 40.6 30.9 46.3  
71 39.3 29.1 43.7

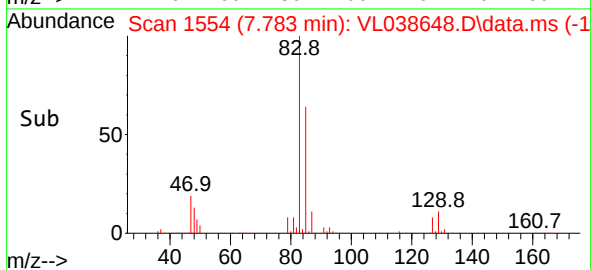
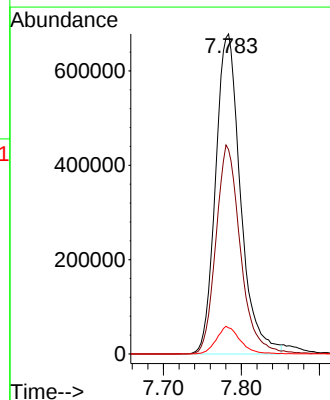
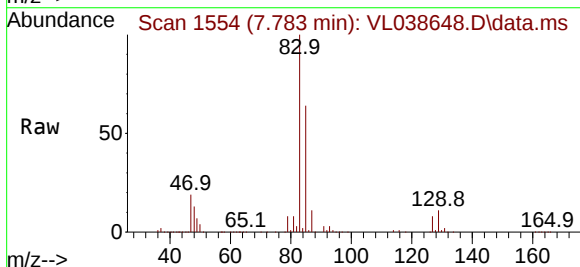
Manual Integrations  
APPROVED

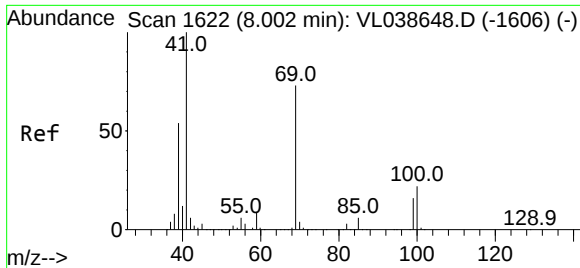
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#42  
Bromodichloromethane  
Concen: 8.770 ppbv  
RT: 7.783 min Scan# 1554  
Delta R.T. 0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

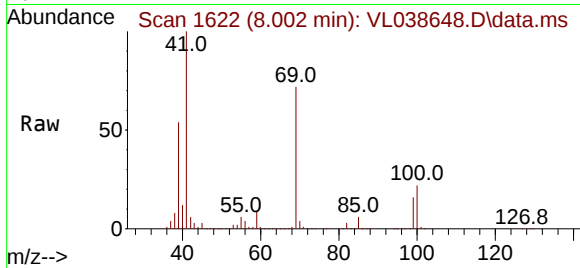
Tgt Ion: 83 Resp: 1508161  
Ion Ratio Lower Upper  
83 100  
85 63.9 51.7 77.5  
127 8.1 6.9 10.3





#43  
Methyl Methacrylate  
Concen: 9.915 ppbv  
RT: 8.002 min Scan# 1622  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

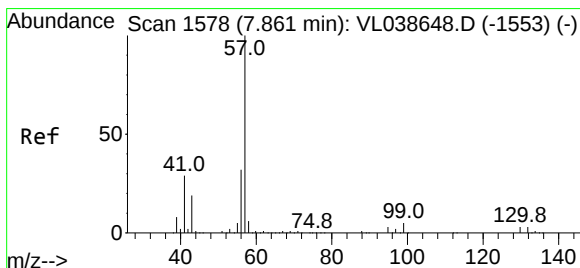
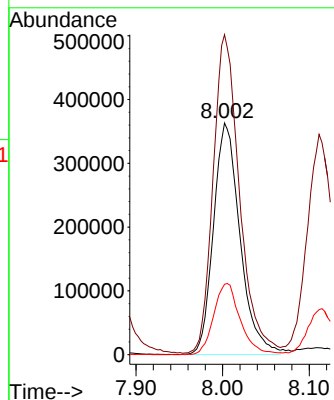
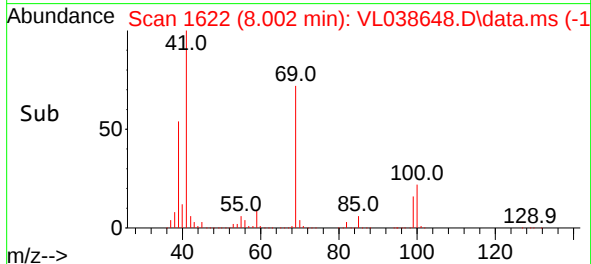
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



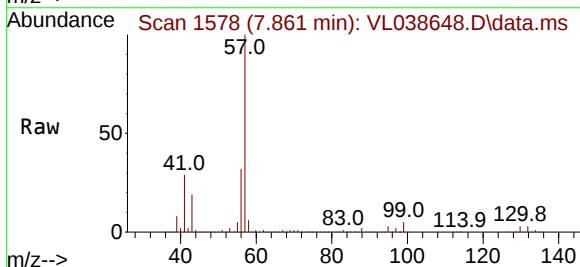
Tgt Ion: 69 Resp: 772410  
Ion Ratio Lower Upper  
69 100  
41 137.9 113.8 170.6  
100 31.0 24.4 36.6

Manual Integrations  
APPROVED

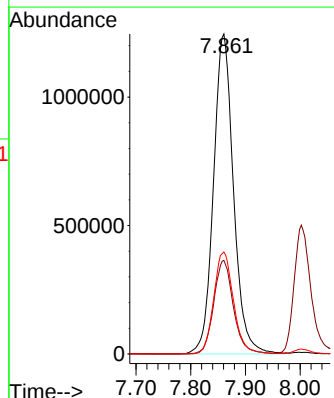
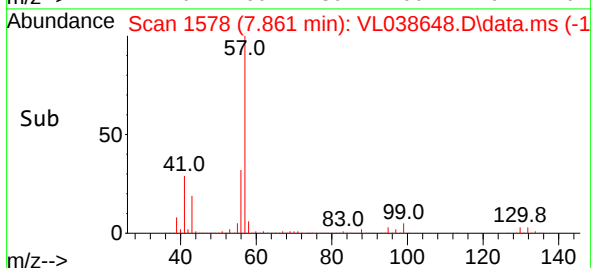
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022

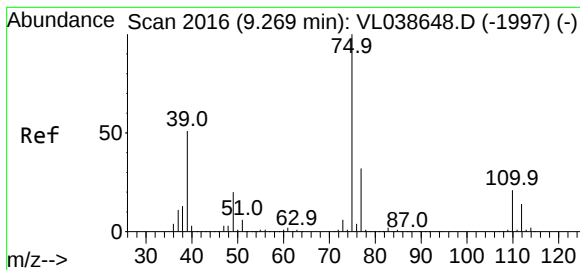


#44  
2,2,4-Trimethylpentane  
Concen: 8.237 ppbv  
RT: 7.861 min Scan# 1578  
Delta R.T. 0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37



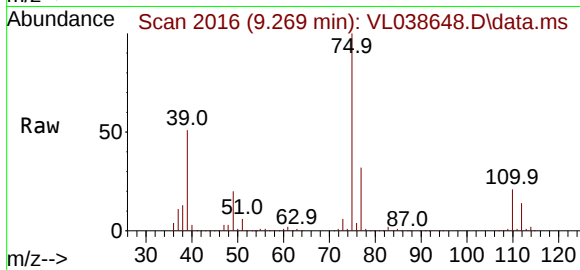
Tgt Ion: 57 Resp: 3160966  
Ion Ratio Lower Upper  
57 100  
41 28.7 24.0 36.0  
56 31.6 25.6 38.4





#45  
t-1,3-Dichloropropene  
Concen: 15.101 ppbv  
RT: 9.269 min Scan# 2016  
Delta R.T. 0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

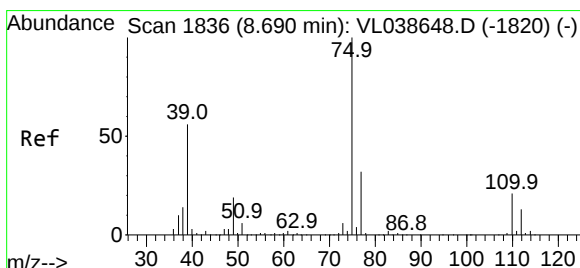
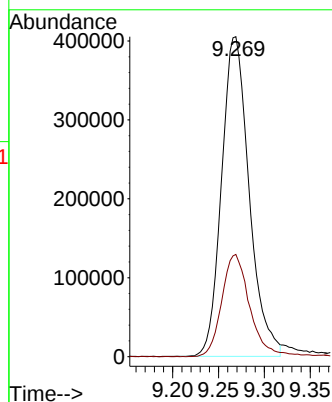
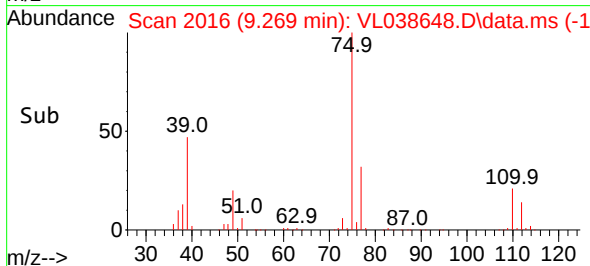
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



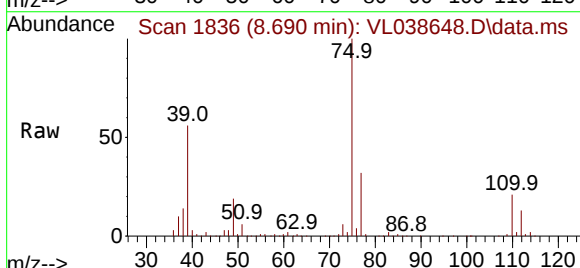
Tgt Ion: 75 Resp: 847810  
Ion Ratio Lower Upper  
75 100  
77 31.9 26.6 40.0

Manual Integrations  
APPROVED

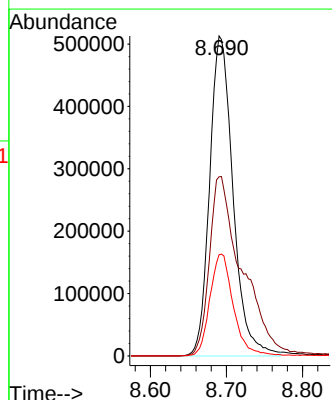
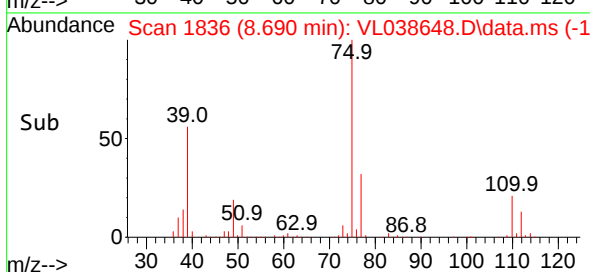
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022

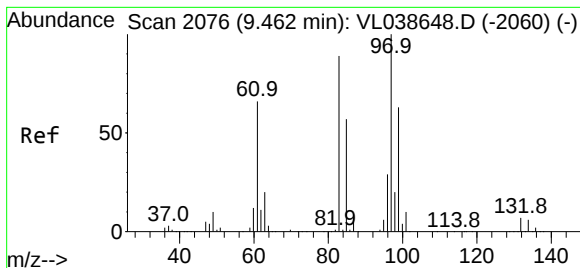


#46  
cis-1,3-Dichloropropene  
Concen: 14.272 ppbv  
RT: 8.690 min Scan# 1836  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37



Tgt Ion: 75 Resp: 1095621  
Ion Ratio Lower Upper  
75 100  
39 56.0 46.2 69.2  
77 31.7 26.2 39.2





#47

1,1,2-Trichloroethane

Concen: 8.880 ppbv

RT: 9.462 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VL038648.D

Acq: 21 Mar 2022 12:37

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 97 Resp: 78998

Ion Ratio Lower Upper

97 100

83 89.0 70.1 105.1

85 56.6 46.6 69.8

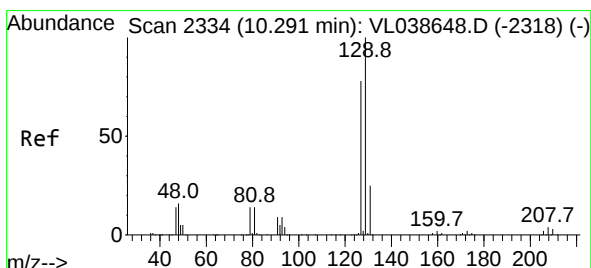
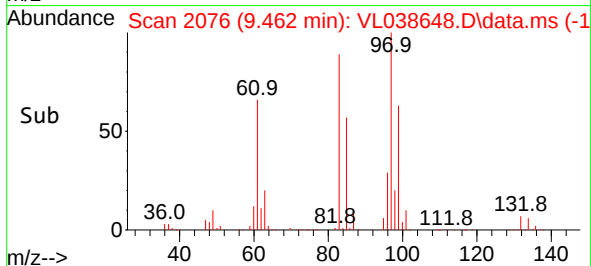
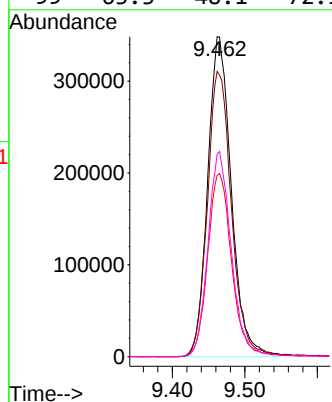
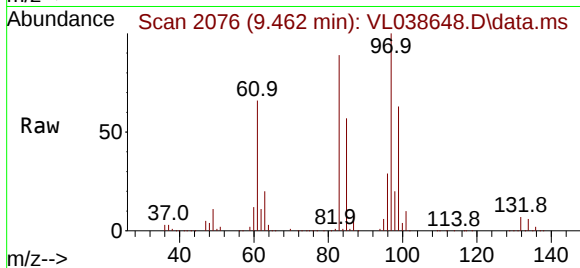
99 63.3 48.1 72.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022



#48

Dibromochloromethane

Concen: 9.620 ppbv

RT: 10.291 min Scan# 2334

Delta R.T. 0.000 min

Lab File: VL038648.D

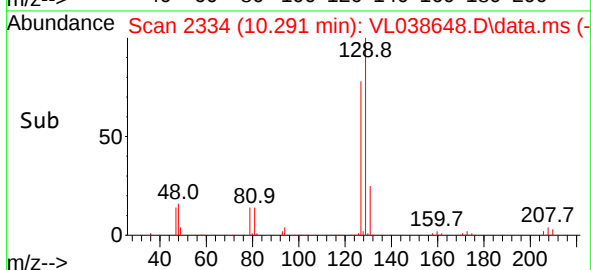
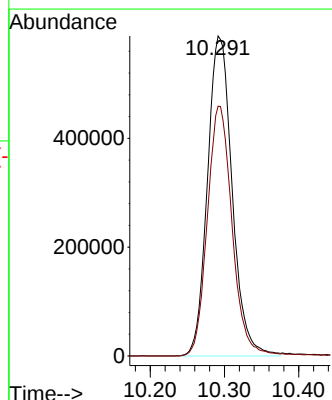
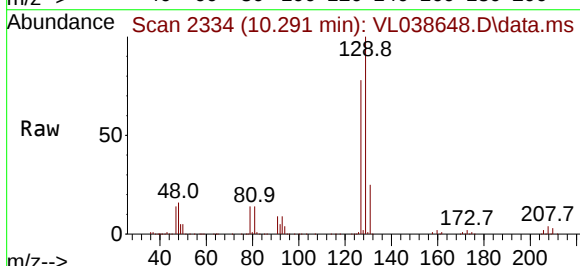
Acq: 21 Mar 2022 12:37

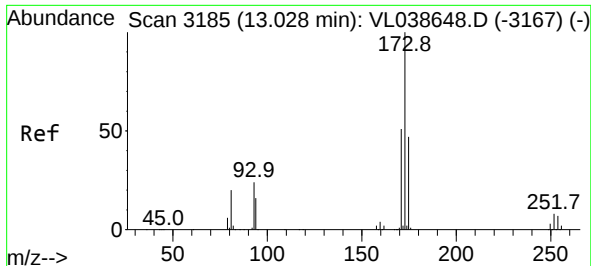
Tgt Ion:129 Resp: 1358728

Ion Ratio Lower Upper

129 100

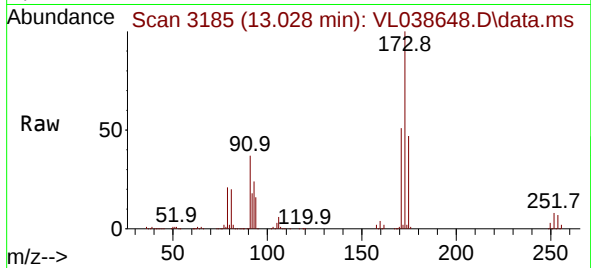
127 79.0 39.5 118.3





#49  
Bromoform  
Concen: 10.524 ppbv  
RT: 13.028 min Scan# 3185  
Delta R.T. 0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

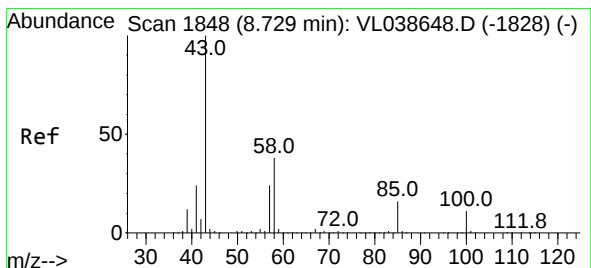
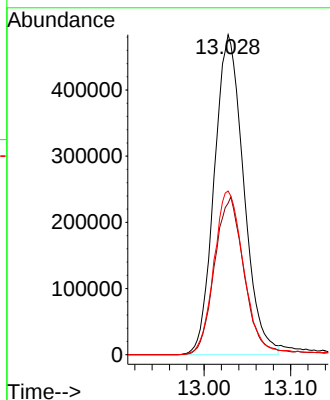
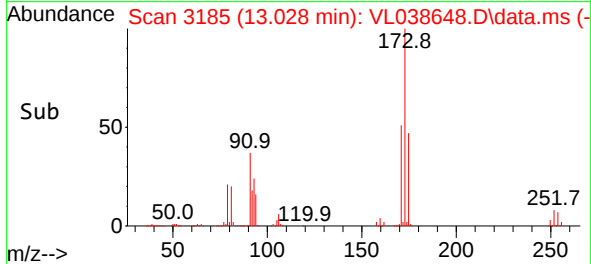
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion:173 Resp: 1138580  
Ion Ratio Lower Upper  
173 100  
175 51.3 40.7 61.1  
171 53.9 42.9 64.3

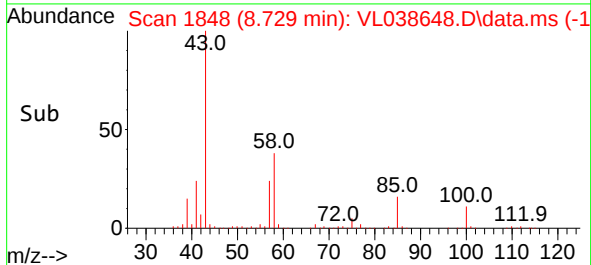
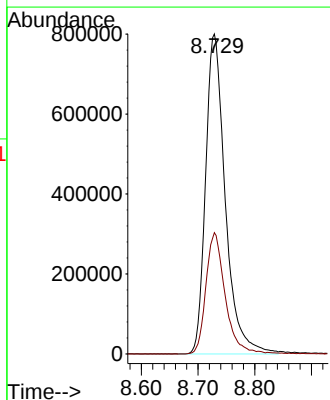
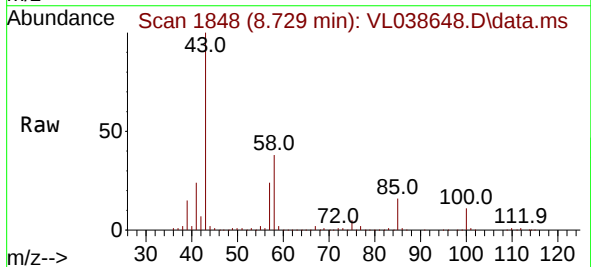
Manual Integrations  
APPROVED

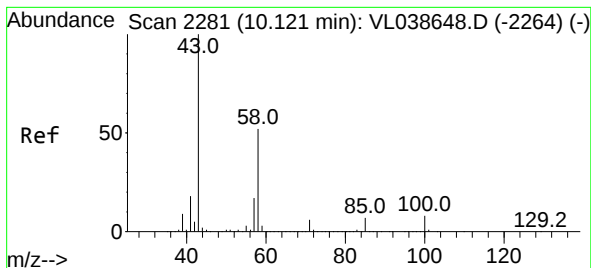
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#50  
4-Methyl-2-Pentanone  
Concen: 14.447 ppbv  
RT: 8.729 min Scan# 1848  
Delta R.T. -0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

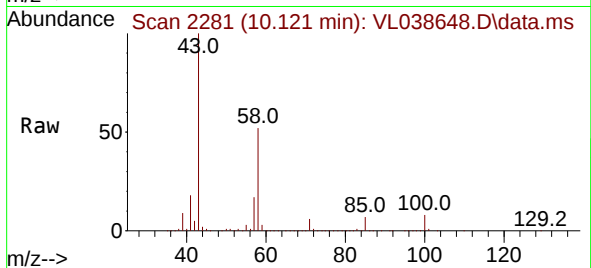
Tgt Ion: 43 Resp: 1930710  
Ion Ratio Lower Upper  
43 100  
58 37.4 29.2 43.8





#51  
2-Hexanone  
Concen: 26.676 ppbv  
RT: 10.121 min Scan# 2281  
Delta R.T. -0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

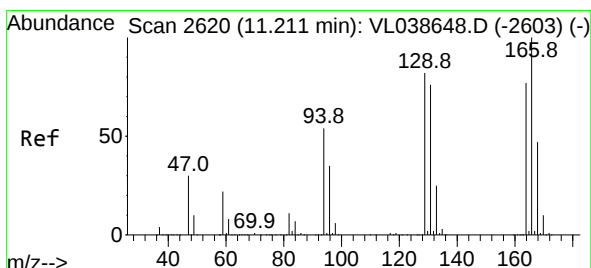
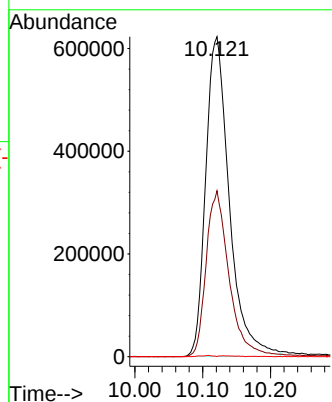
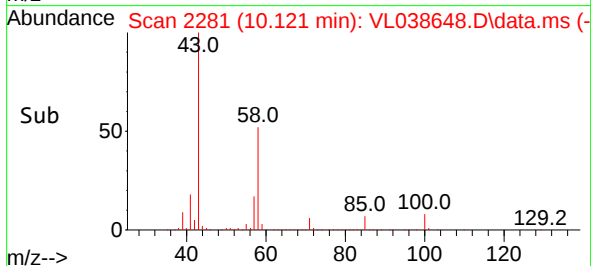
Instrument : MSVOA\_L  
ClientSampleId : VSTDICCC010



Tgt Ion: 43 Resp: 150646  
Ion Ratio Lower Upper  
43 100  
58 51.5 40.1 60.1  
98 0.3 0.4 0.6

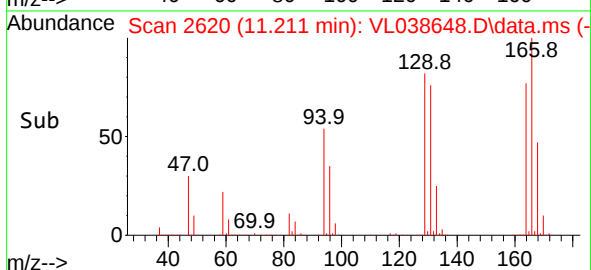
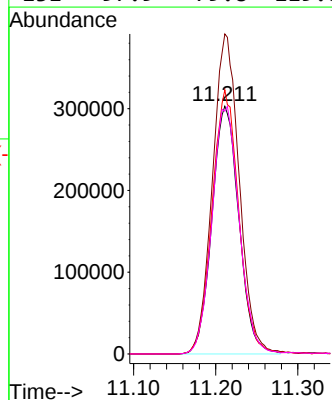
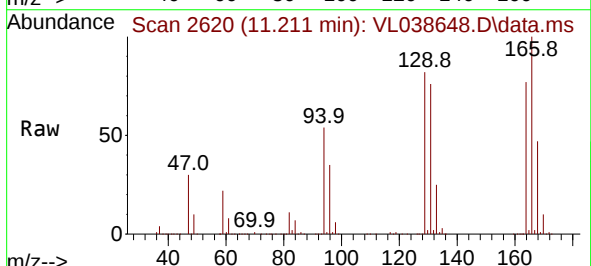
Manual Integrations  
APPROVED

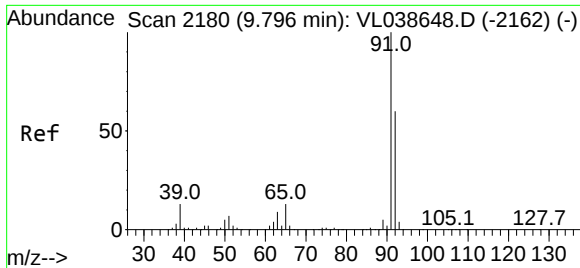
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#52  
Tetrachloroethene  
Concen: 8.274 ppbv  
RT: 11.211 min Scan# 2620  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

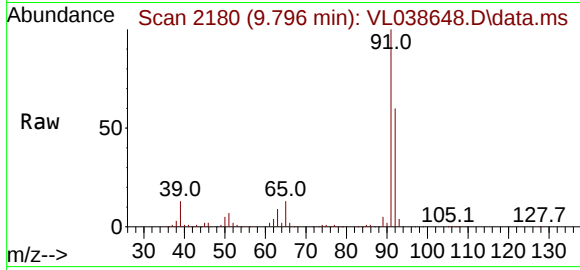
Tgt Ion:164 Resp: 688256  
Ion Ratio Lower Upper  
164 100  
166 129.1 103.4 155.2  
129 106.5 81.3 121.9  
131 97.9 79.8 119.8





#53  
Toluene  
Concen: 9.009 ppbv  
RT: 9.796 min Scan# 2180  
Delta R.T. 0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

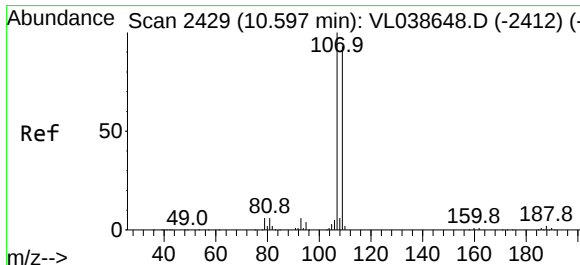
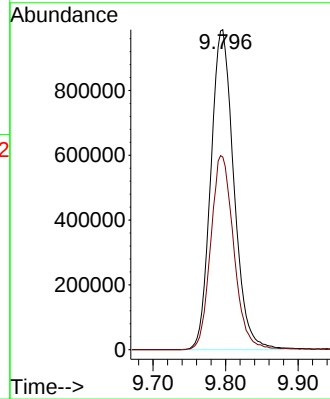
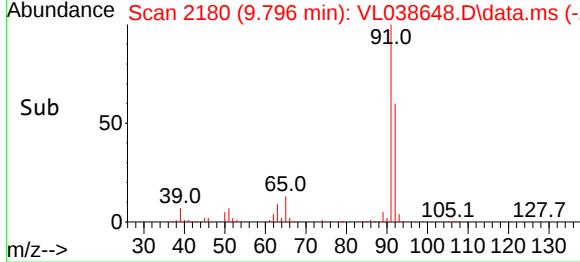
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



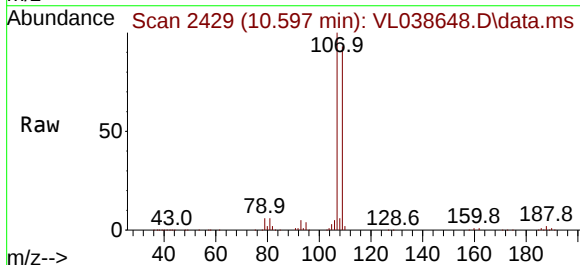
Tgt Ion: 91 Resp: 2182672  
Ion Ratio Lower Upper  
91 100  
92 60.9 48.1 72.1

Manual Integrations  
APPROVED

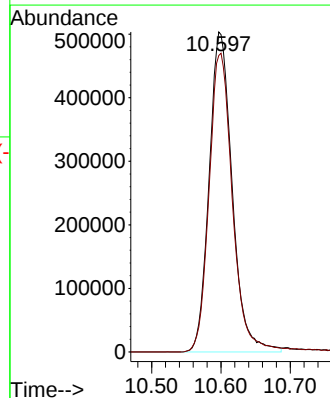
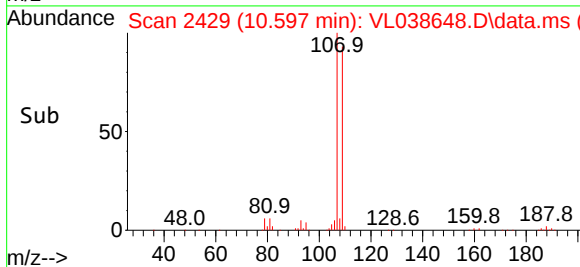
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022

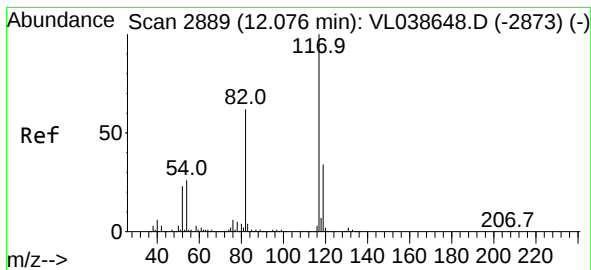


#54  
1,2-Dibromoethane  
Concen: 9.143 ppbv  
RT: 10.597 min Scan# 2429  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37



Tgt Ion:107 Resp: 1162189  
Ion Ratio Lower Upper  
107 100  
109 92.6 74.6 112.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.076 min Scan# 2889

Delta R.T. 0.003 min

Lab File: VL038648.D

Acq: 21 Mar 2022 12:37

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion:117 Resp: 235064

Ion Ratio Lower Upper

117 100

82 64.5 52.5 78.7

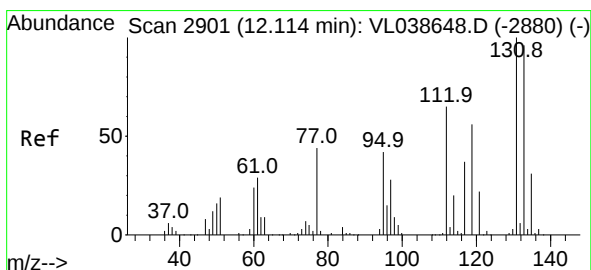
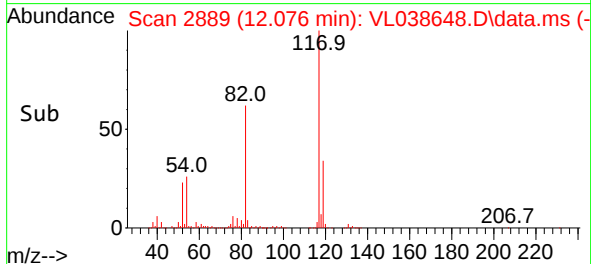
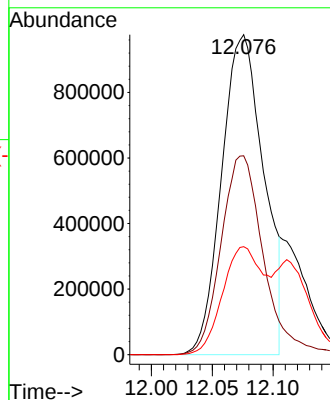
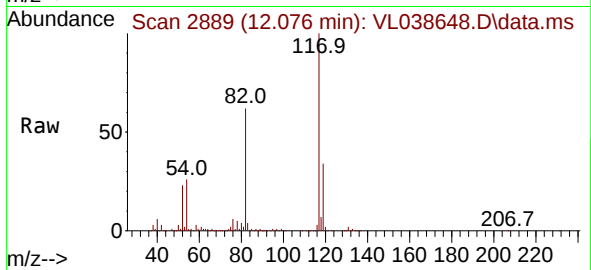
119 33.6 46.4 69.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022



#56

1,1,1,2-Tetrachloroethane

Concen: 9.771 ppbv

RT: 12.114 min Scan# 2901

Delta R.T. 0.003 min

Lab File: VL038648.D

Acq: 21 Mar 2022 12:37

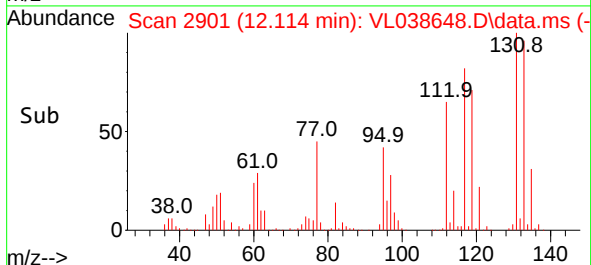
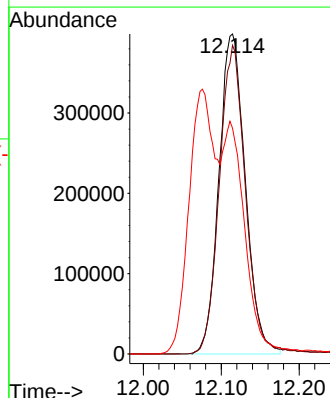
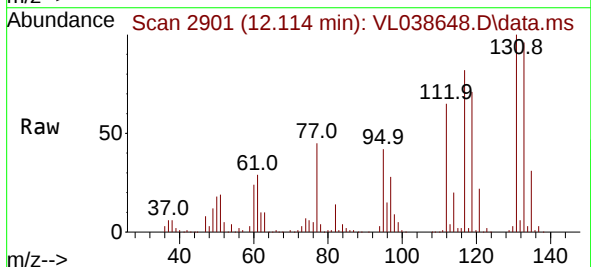
Tgt Ion:131 Resp: 935557

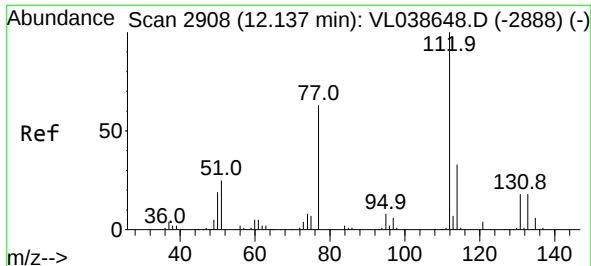
Ion Ratio Lower Upper

131 100

133 96.6 78.0 117.0

119 66.3 53.1 79.7





#57

Chlorobenzene

Concen: 8.937 ppbv

RT: 12.137 min Scan# 2908

Delta R.T. 0.003 min

Lab File: VL038648.D

Acq: 21 Mar 2022 12:37

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion:112 Resp: 1603850

Ion Ratio Lower Upper

112 100

77 63.8 52.5 78.7

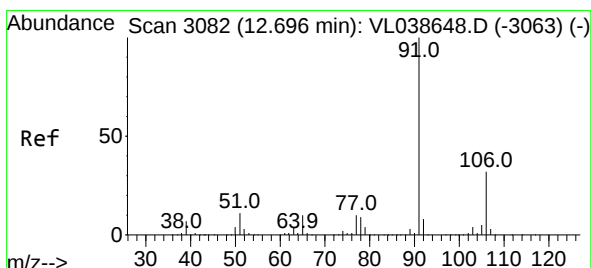
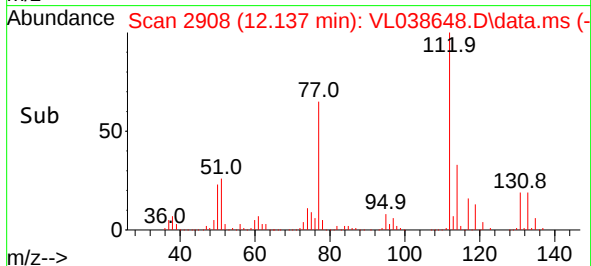
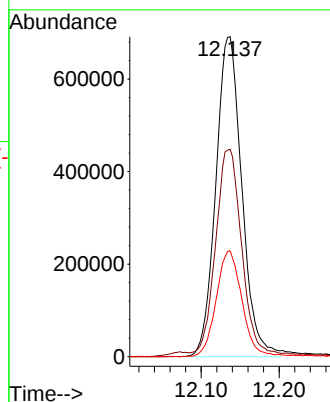
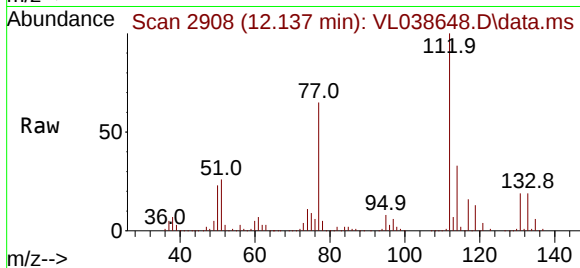
114 33.1 30.0 36.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022



#58

Ethyl Benzene

Concen: 9.327 ppbv

RT: 12.696 min Scan# 3082

Delta R.T. 0.000 min

Lab File: VL038648.D

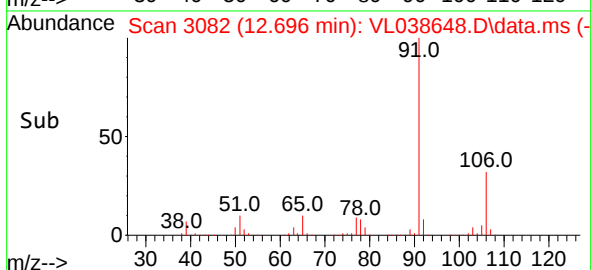
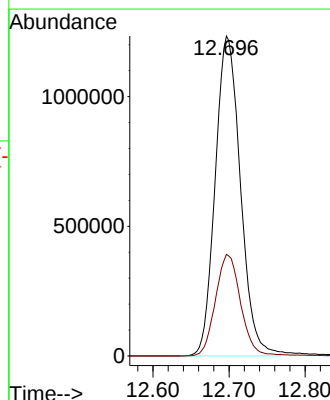
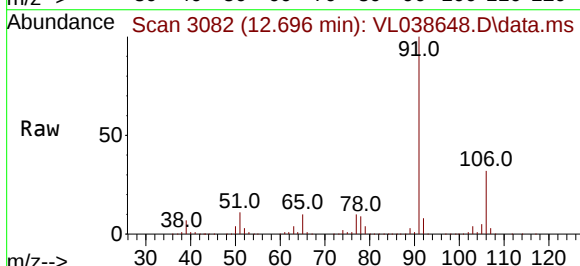
Acq: 21 Mar 2022 12:37

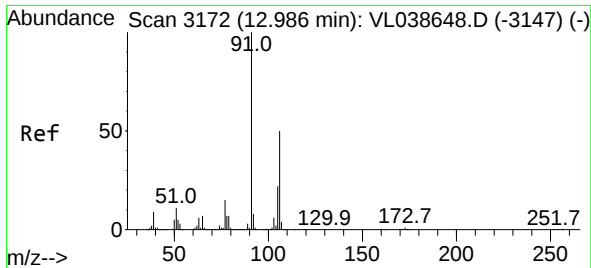
Tgt Ion: 91 Resp: 2838525

Ion Ratio Lower Upper

91 100

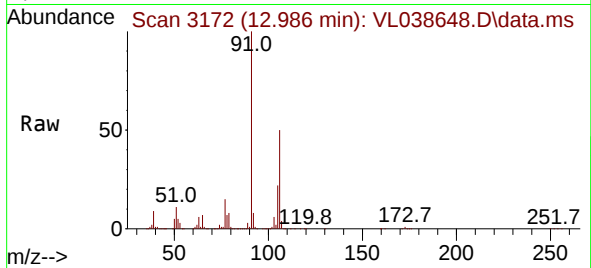
106 31.7 24.6 37.0





#59  
m/p-Xylene  
Concen: 18.369 ppbv m  
RT: 12.986 min Scan# 3172  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

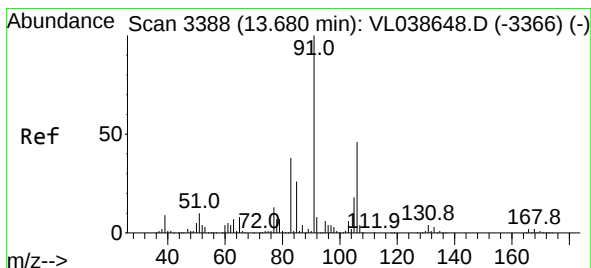
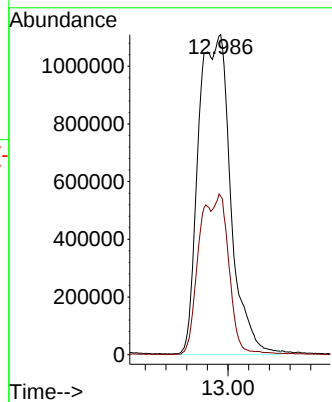
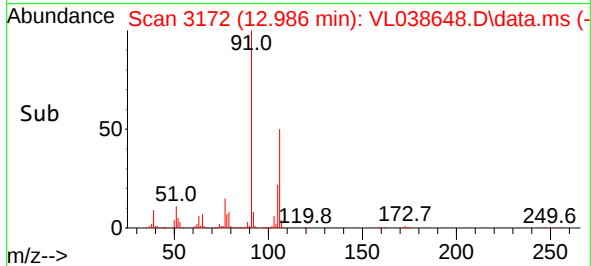
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



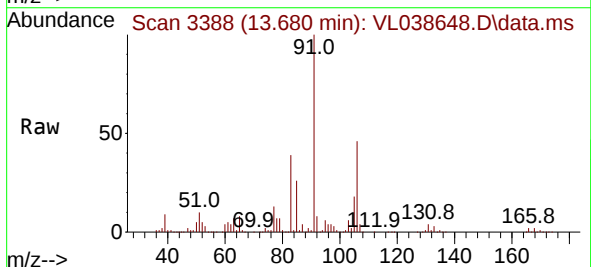
Tgt Ion: 91 Resp: 4786034  
Ion Ratio Lower Upper  
91 100  
106 46.5 37.1 55.7

Manual Integrations  
APPROVED

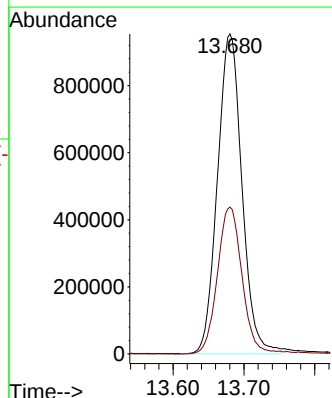
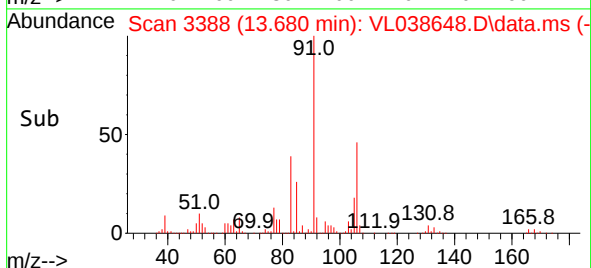
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022

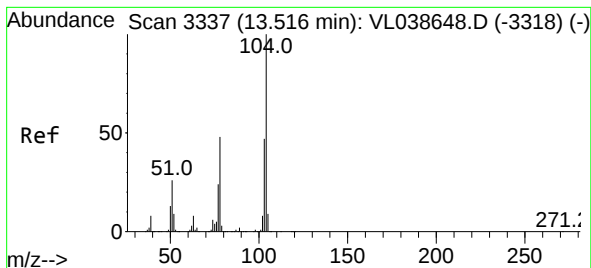


#60  
o-Xylene  
Concen: 9.317 ppbv  
RT: 13.680 min Scan# 3388  
Delta R.T. 0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37



Tgt Ion: 91 Resp: 2292229  
Ion Ratio Lower Upper  
91 100  
106 47.0 23.5 70.6





#61

Styrene

Concen: 11.671 ppbv

RT: 13.516 min Scan# 3337

Delta R.T. 0.003 min

Lab File: VL038648.D

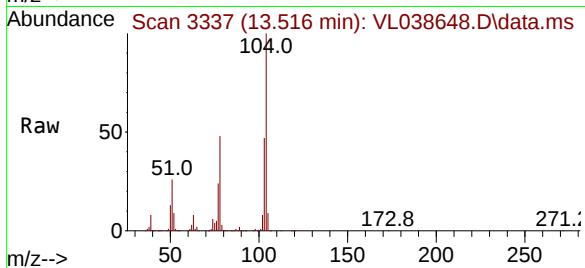
Acq: 21 Mar 2022 12:37

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010



Tgt Ion:104 Resp: 1415029

Ion Ratio Lower Upper

104 100

78 48.7 39.0 58.4

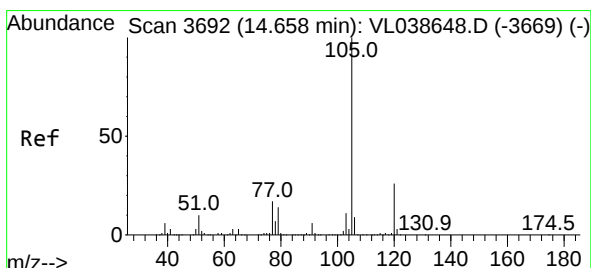
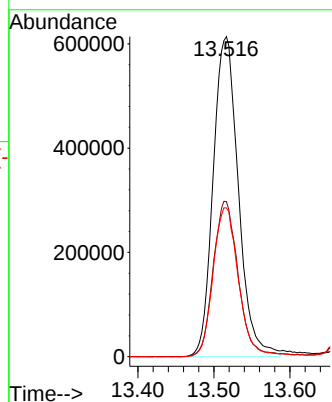
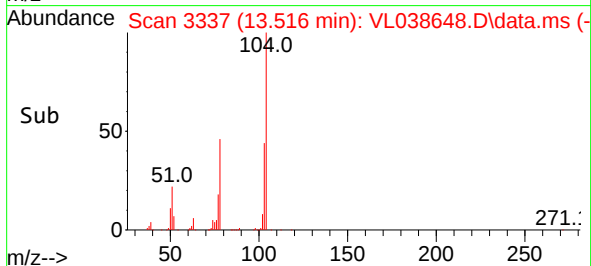
103 47.3 38.0 57.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022



#62

Isopropylbenzene

Concen: 10.002 ppbv

RT: 14.658 min Scan# 3692

Delta R.T. 0.003 min

Lab File: VL038648.D

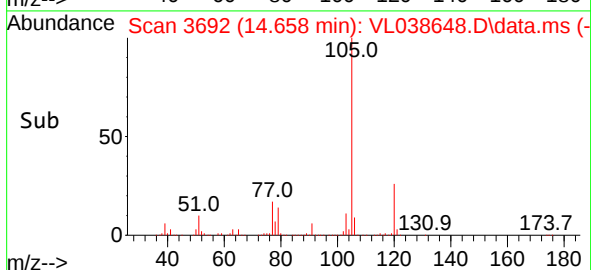
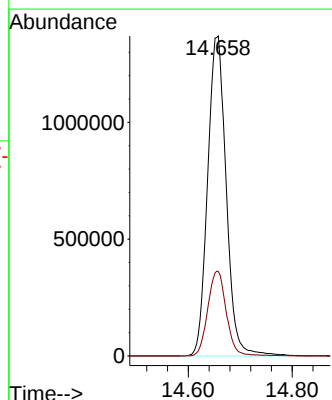
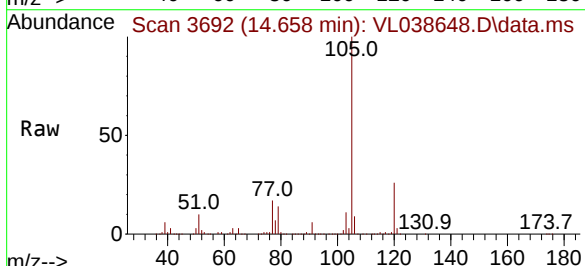
Acq: 21 Mar 2022 12:37

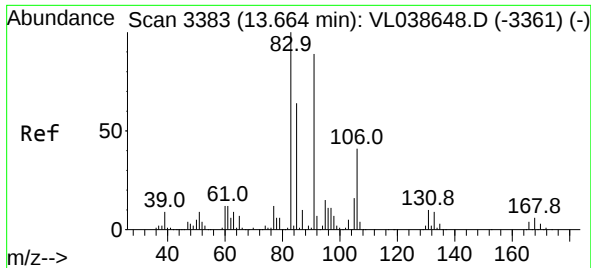
Tgt Ion:105 Resp: 3395475

Ion Ratio Lower Upper

105 100

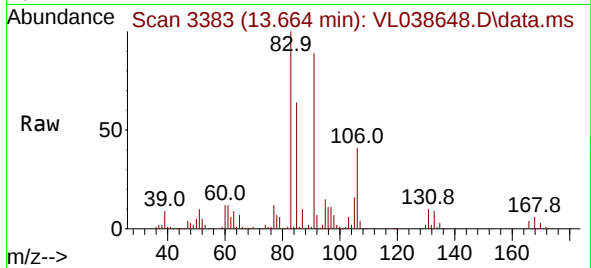
120 26.5 21.2 31.8





#63  
1,1,2,2-Tetrachloroethane  
Concen: 7.538 ppbv  
RT: 13.664 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

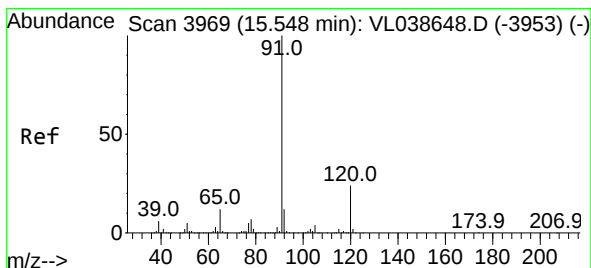
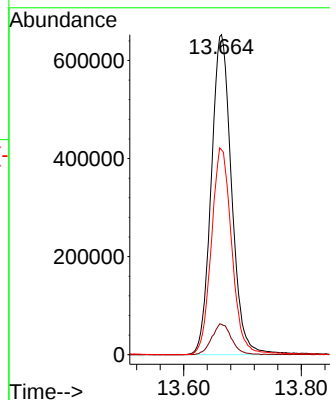
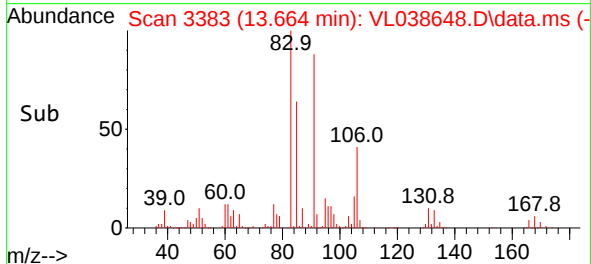
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



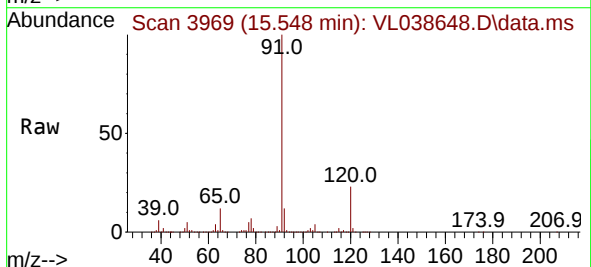
Tgt Ion: 83 Resp: 1567008  
Ion Ratio Lower Upper  
83 100  
131 9.5 4.7 14.1  
85 65.2 32.6 98.0

Manual Integrations  
APPROVED

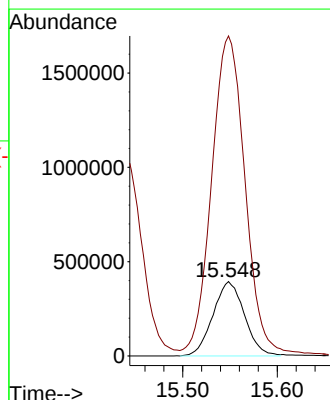
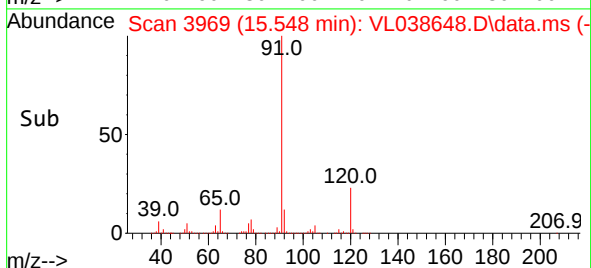
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022

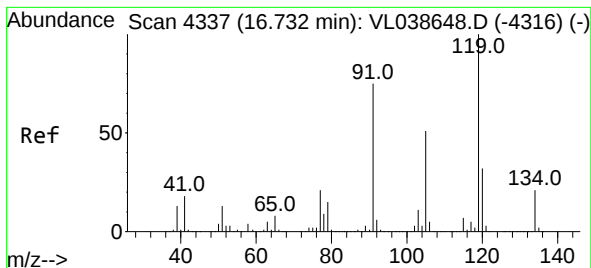


#64  
n-propylbenzene  
Concen: 10.571 ppbv  
RT: 15.548 min Scan# 3969  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37



Tgt Ion:120 Resp: 914616  
Ion Ratio Lower Upper  
120 100  
91 460.0 374.2 561.2





#65

tert-Butylbenzene

Concen: 9.892 ppbv

RT: 16.732 min Scan# 4337

Delta R.T. 0.003 min

Lab File: VL038648.D

Acq: 21 Mar 2022 12:37

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion:119 Resp: 300313

Ion Ratio Lower Upper

119 100

91 76.5 61.2 91.8

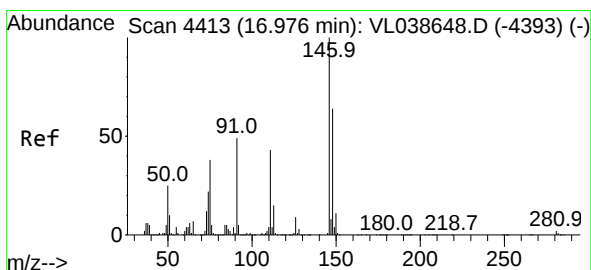
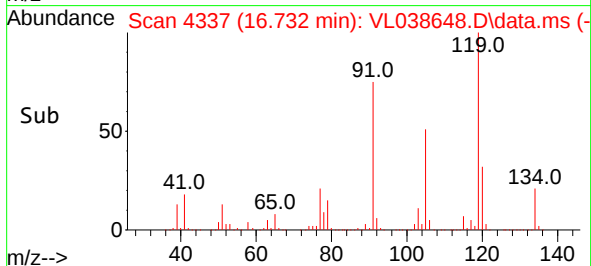
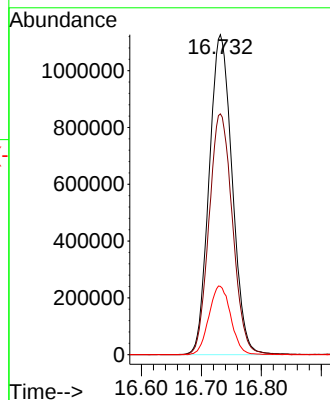
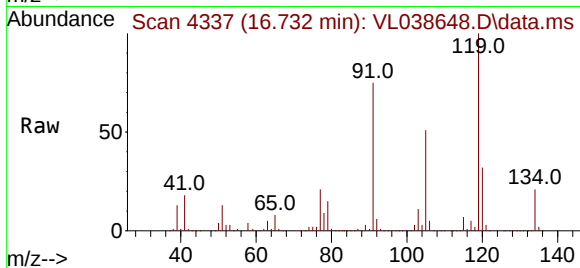
134 20.4 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022



#66

Benzyl Chloride

Concen: 40.461 ppbv

RT: 16.976 min Scan# 4413

Delta R.T. 0.003 min

Lab File: VL038648.D

Acq: 21 Mar 2022 12:37

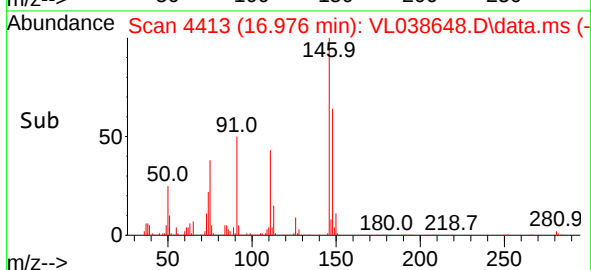
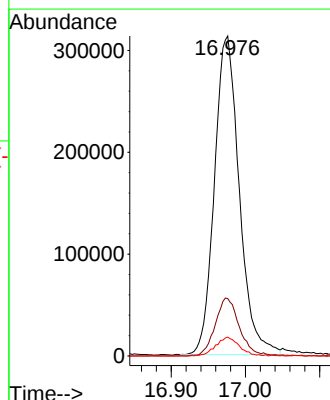
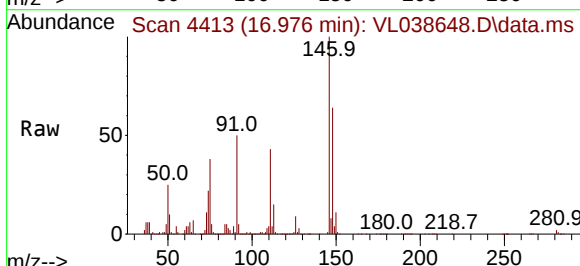
Tgt Ion: 91 Resp: 727846

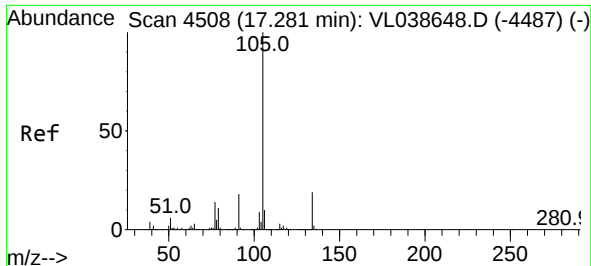
Ion Ratio Lower Upper

91 100

126 17.9 14.1 21.1

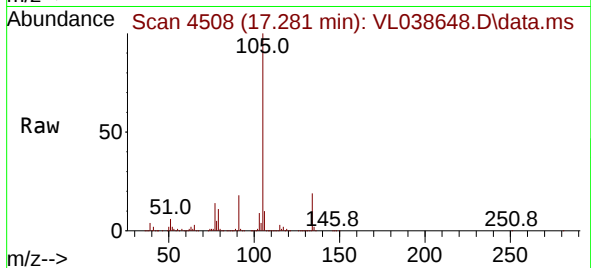
128 5.7 5.1 7.7





#67  
 sec-Butylbenzene  
 Concen: 10.025 ppbv  
 RT: 17.281 min Scan# 4508  
 Delta R.T. 0.000 min  
 Lab File: VL038648.D  
 Acq: 21 Mar 2022 12:37

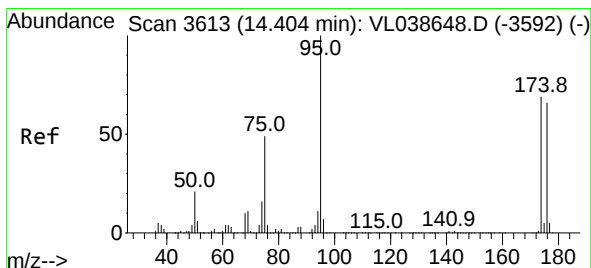
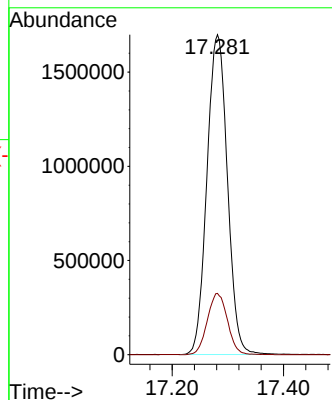
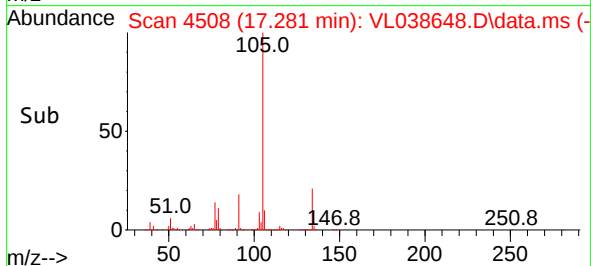
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010



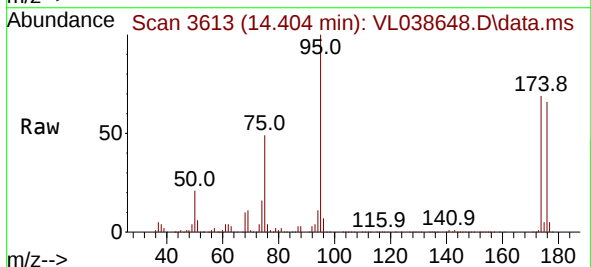
Tgt Ion:105 Resp: 4325849  
 Ion Ratio Lower Upper  
 105 100  
 134 18.9 15.0 22.6

Manual Integrations  
 APPROVED

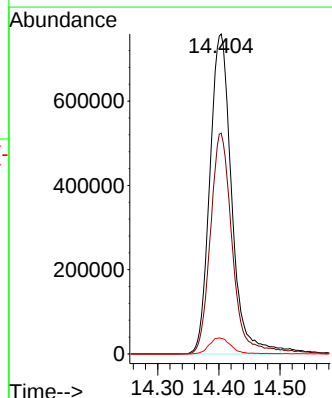
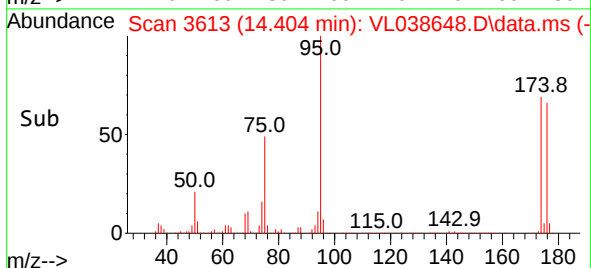
Reviewed By :Semsettin Yesilyurt 03/22/2022  
 Supervised By :Mahesh Dadoda 03/24/2022

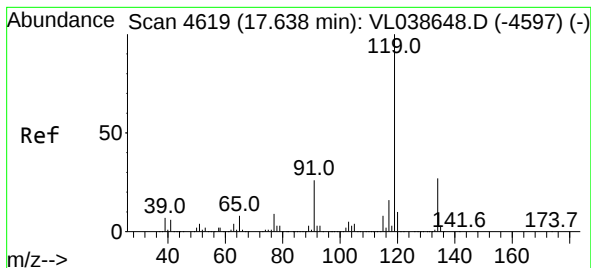


#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.514 ppbv  
 RT: 14.404 min Scan# 3613  
 Delta R.T. 0.003 min  
 Lab File: VL038648.D  
 Acq: 21 Mar 2022 12:37



Tgt Ion: 95 Resp: 1878967  
 Ion Ratio Lower Upper  
 95 100  
 174 70.1 56.2 84.4  
 175 5.2 4.2 6.2





#69

p-Isopropyltoluene

Concen: 10.076 ppbv

RT: 17.638 min Scan# 4619

Delta R.T. 0.000 min

Lab File: VL038648.D

Acq: 21 Mar 2022 12:37

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion:119 Resp: 360177

Ion Ratio Lower Upper

119 100

134 26.5 20.9 31.3

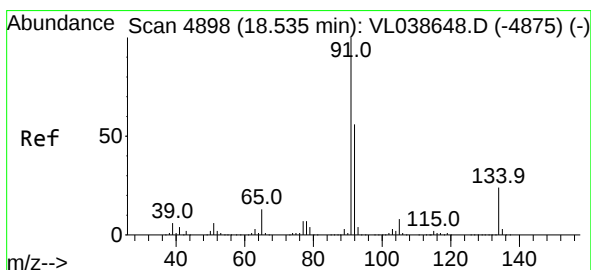
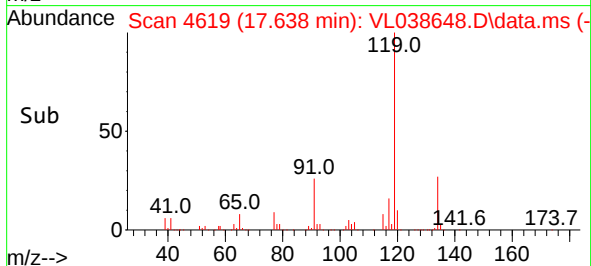
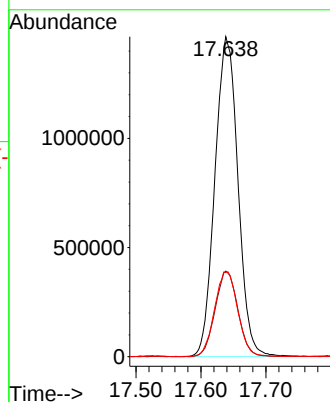
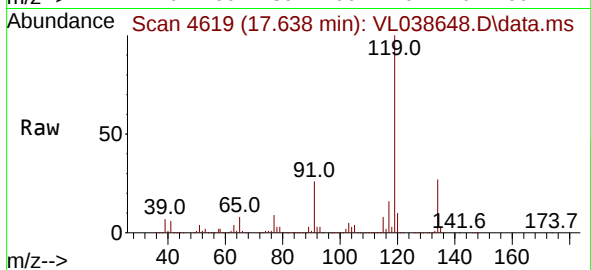
91 26.8 21.1 31.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022



#70

n-Butylbenzene

Concen: 9.942 ppbv

RT: 18.535 min Scan# 4898

Delta R.T. 0.000 min

Lab File: VL038648.D

Acq: 21 Mar 2022 12:37

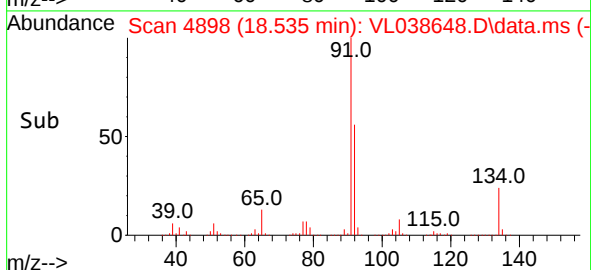
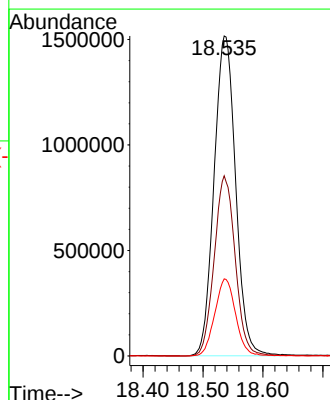
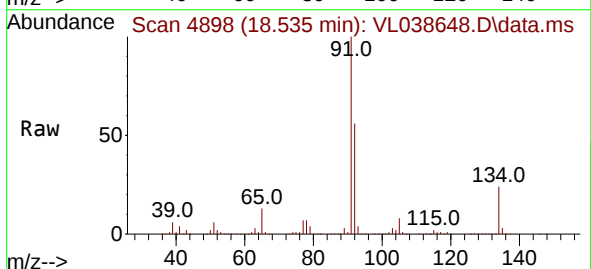
Tgt Ion: 91 Resp: 3785017

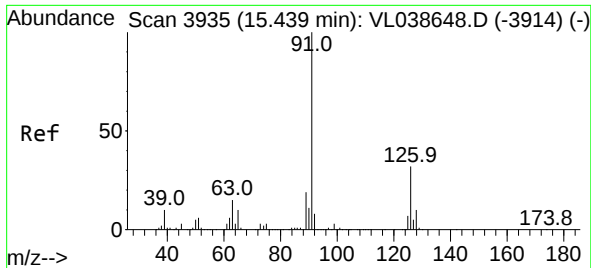
Ion Ratio Lower Upper

91 100

92 54.9 43.8 65.8

134 23.4 18.7 28.1





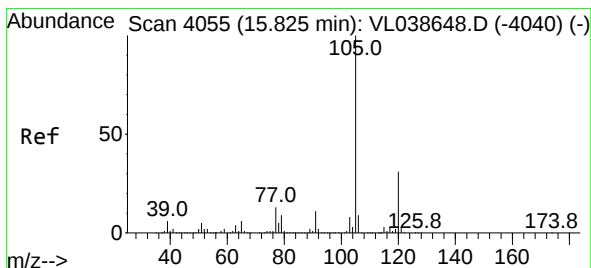
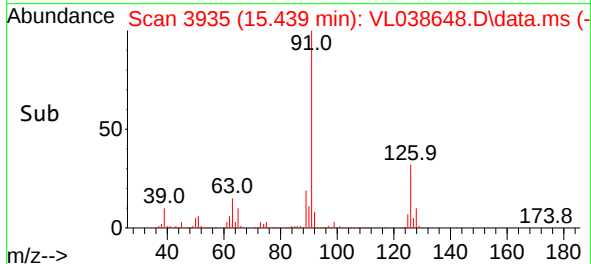
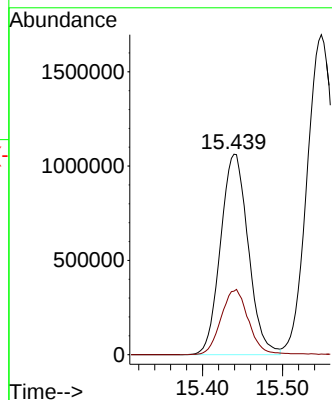
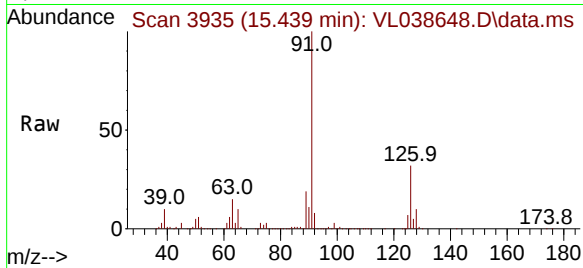
#71  
2-Chlorotoluene  
Concen: 10.148 ppbv  
RT: 15.439 min Scan# 3914  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010

Tgt Ion: 91 Resp: 2558030  
Ion Ratio Lower Upper  
91 100  
126 32.7 12.9 51.7

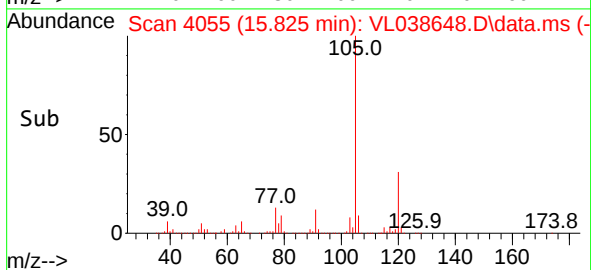
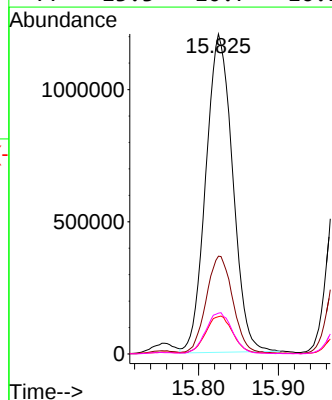
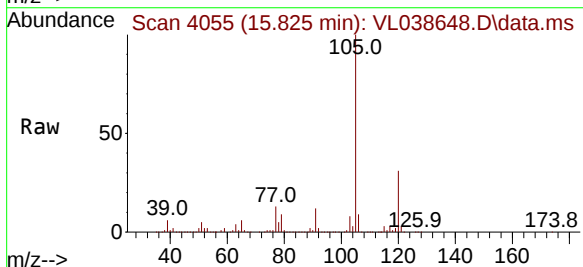
Manual Integrations  
APPROVED

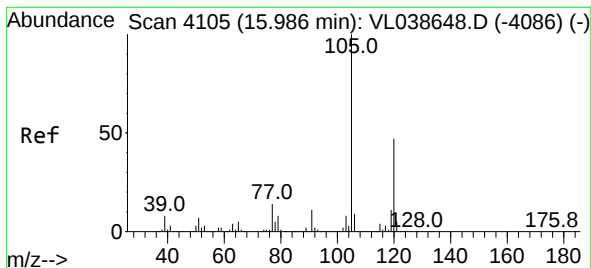
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#72  
4-Ethyltoluene  
Concen: 9.919 ppbv  
RT: 15.825 min Scan# 4055  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

Tgt Ion:105 Resp: 2803265  
Ion Ratio Lower Upper  
105 100  
120 31.1 25.0 37.4  
91 12.2 9.8 14.6  
77 13.3 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 9.440 ppbv

RT: 15.986 min Scan# 4105

Delta R.T. 0.003 min

Lab File: VL038648.D

Acq: 21 Mar 2022 12:37

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion:105 Resp: 247673

Ion Ratio Lower Upper

105 100

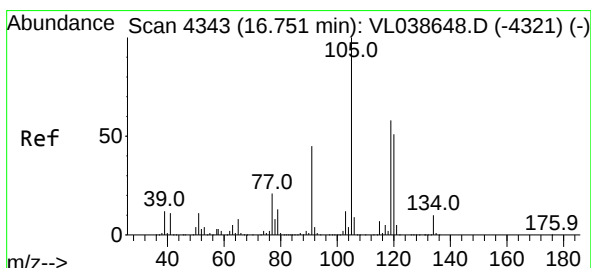
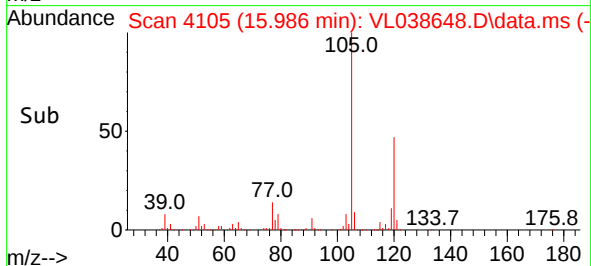
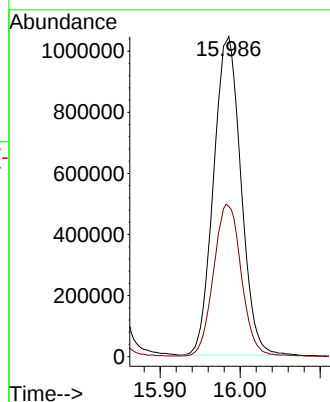
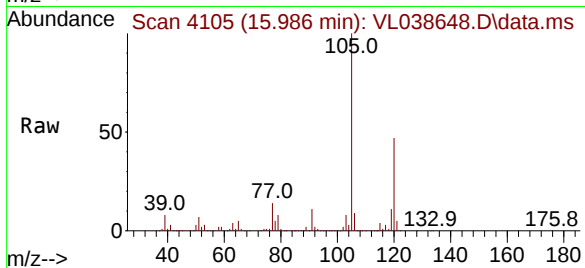
120 47.0 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022



#74

1,2,4-Trimethylbenzene

Concen: 9.382 ppbv

RT: 16.751 min Scan# 4343

Delta R.T. 0.000 min

Lab File: VL038648.D

Acq: 21 Mar 2022 12:37

Tgt Ion:105 Resp: 2629462

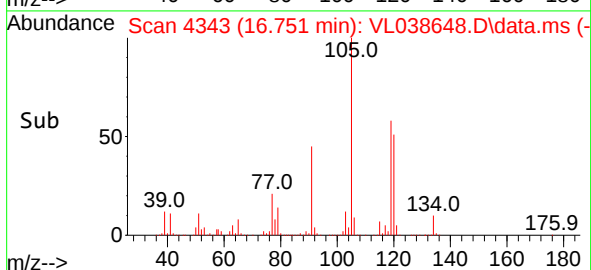
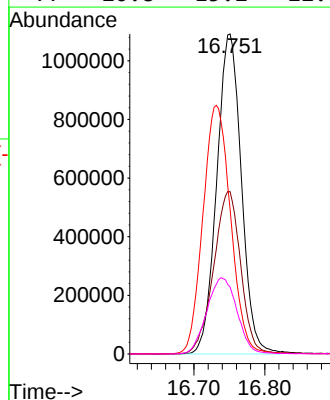
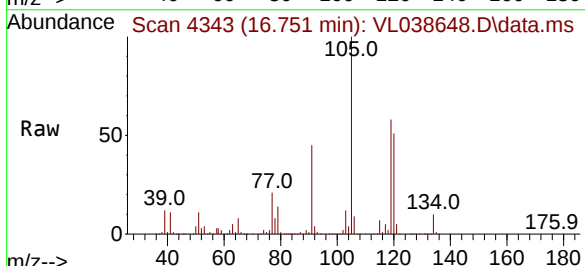
Ion Ratio Lower Upper

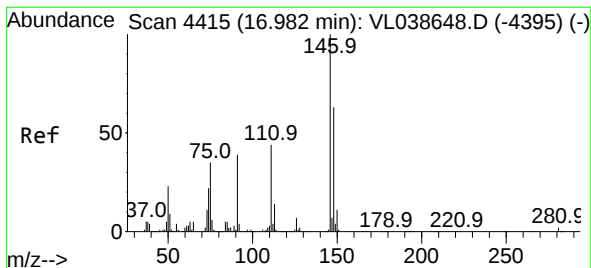
105 100

120 50.6 38.9 58.3

91 44.9 30.6 46.0

77 20.8 15.2 22.8





#75

1,3-Dichlorobenzene

Concen: 9.357 ppbv

RT: 16.982 min Scan# 4415

Delta R.T. 0.000 min

Lab File: VL038648.D

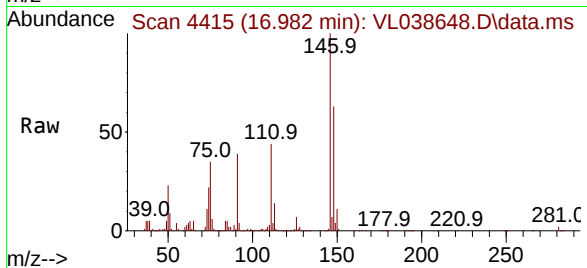
Acq: 21 Mar 2022 12:37

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010



Tgt Ion:146 Resp: 165455

Ion Ratio Lower Upper

146 100

111 44.4 21.9 65.8

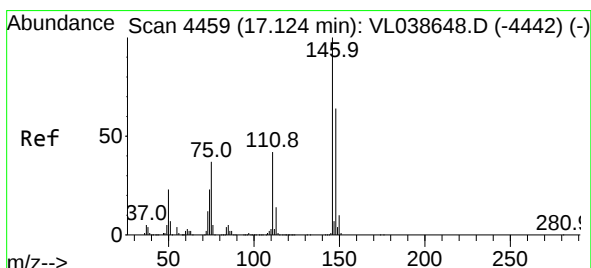
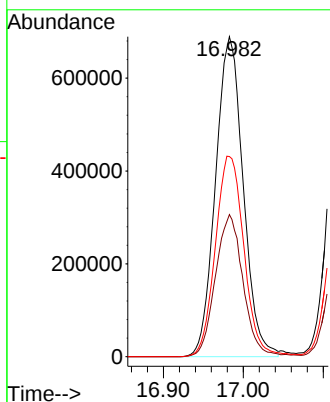
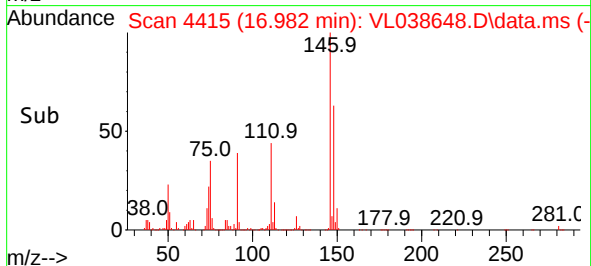
148 65.0 32.2 96.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022

Supervised By :Mahesh Dadoda 03/24/2022



#76

1,4-Dichlorobenzene

Concen: 9.592 ppbv m

RT: 17.124 min Scan# 4459

Delta R.T. 0.000 min

Lab File: VL038648.D

Acq: 21 Mar 2022 12:37

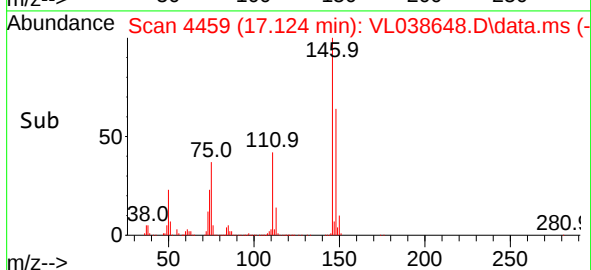
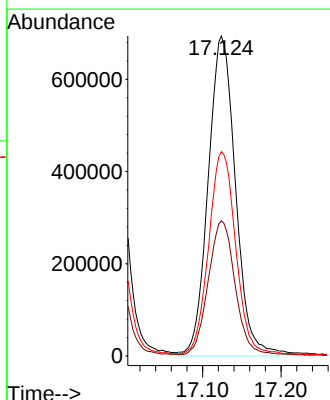
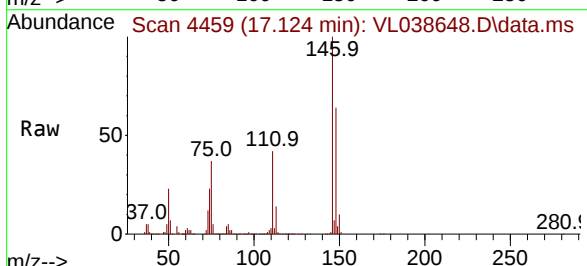
Tgt Ion:146 Resp: 1680037

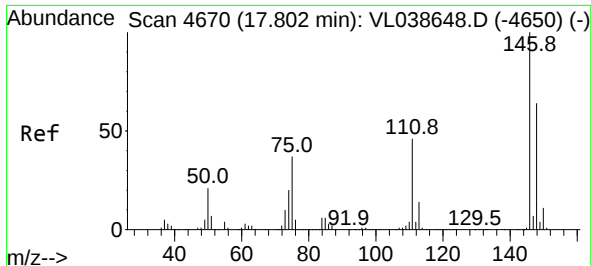
Ion Ratio Lower Upper

146 100

111 42.8 21.8 65.3

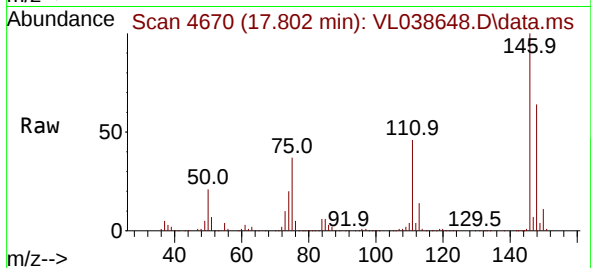
148 64.2 32.8 98.4





#77  
1,2-Dichlorobenzene  
Concen: 9.108 ppbv  
RT: 17.802 min Scan# 4670  
Delta R.T. 0.003 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

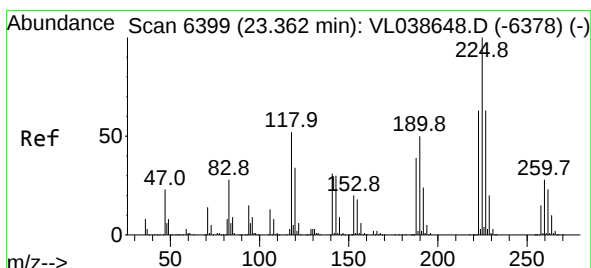
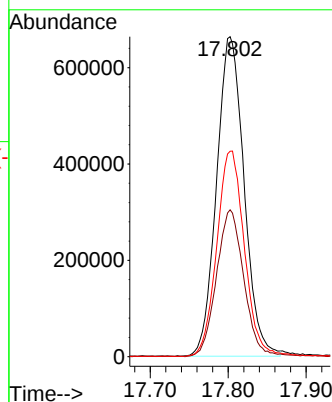
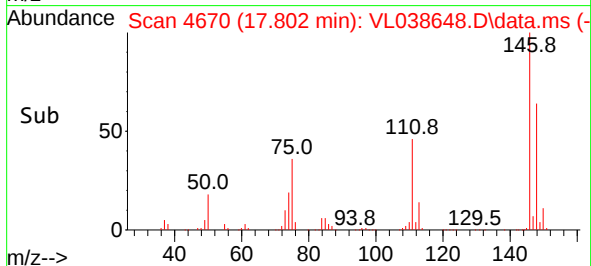
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



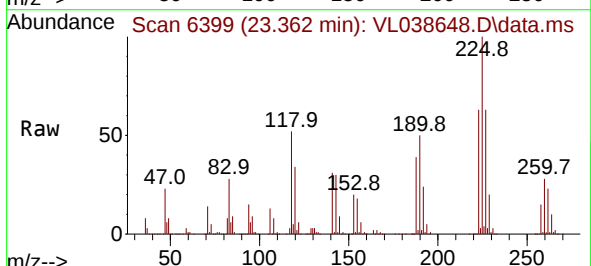
Tgt Ion:146 Resp: 162929  
Ion Ratio Lower Upper  
146 100  
111 45.6 23.2 69.5  
148 64.9 32.6 98.0

Manual Integrations  
APPROVED

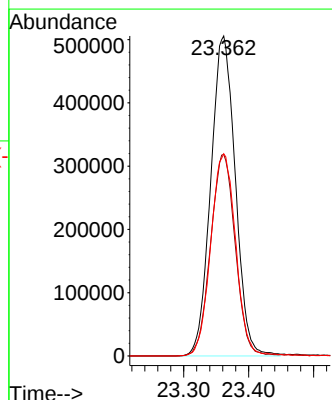
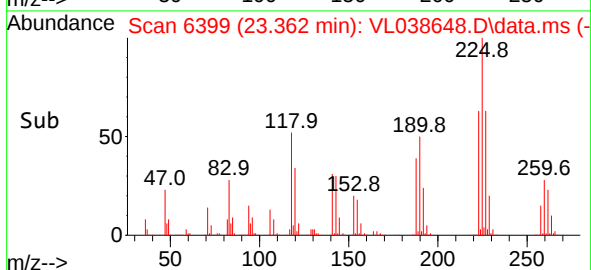
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022

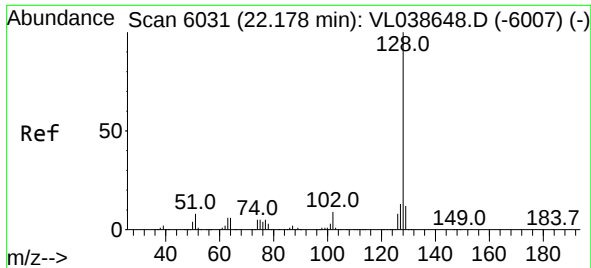


#78  
Hexachloro-1,3-Butadiene  
Concen: 7.601 ppbv  
RT: 23.362 min Scan# 6399  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37



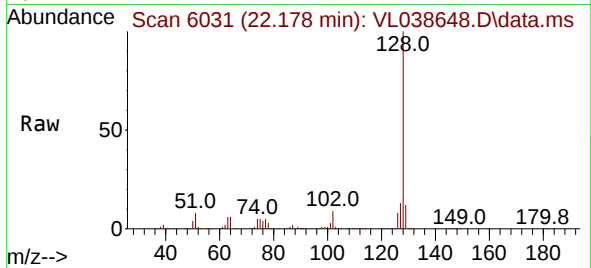
Tgt Ion:225 Resp: 1326342  
Ion Ratio Lower Upper  
225 100  
223 63.8 51.4 77.0  
227 64.4 51.9 77.9





#79  
Naphthalene  
Concen: 9.867 ppbv  
RT: 22.178 min Scan# 6031  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37

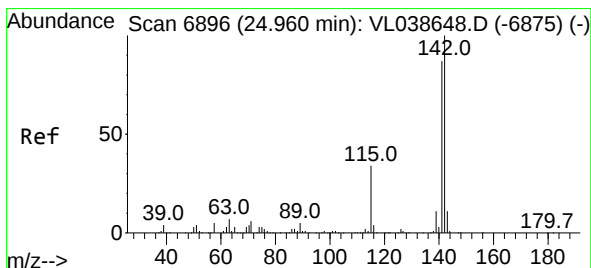
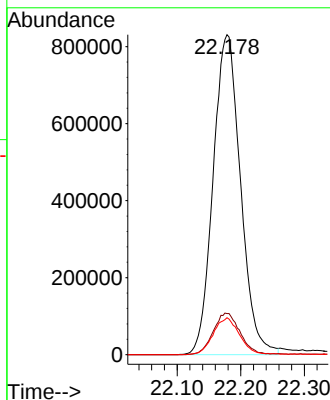
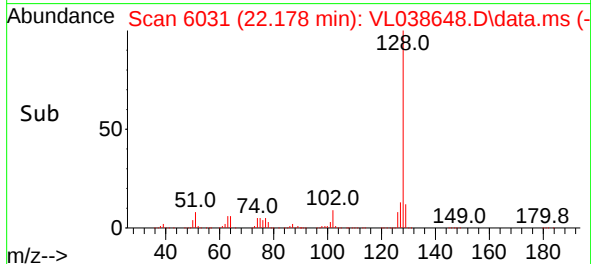
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



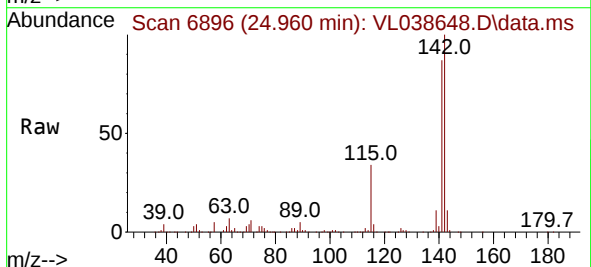
Tgt Ion:128 Resp: 2487614  
Ion Ratio Lower Upper  
128 100  
127 12.8 9.9 14.9  
129 11.5 9.3 13.9

Manual Integrations  
APPROVED

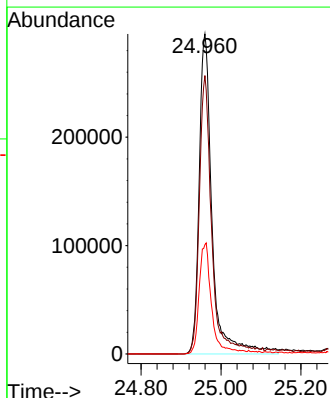
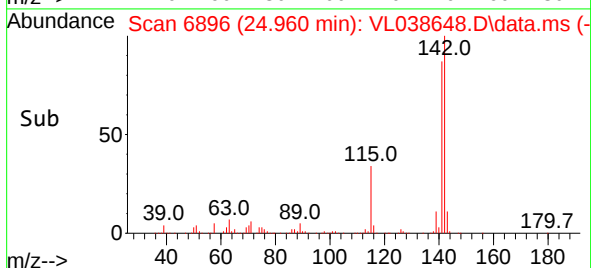
Reviewed By :Semsettin Yesilyurt 03/22/2022  
Supervised By :Mahesh Dadoda 03/24/2022

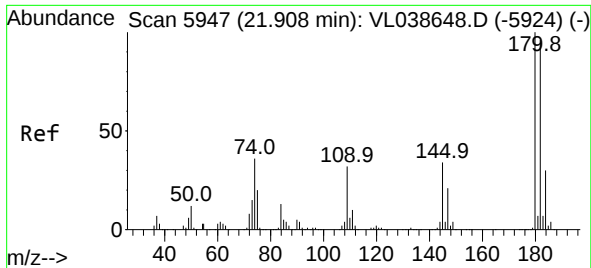


#80  
Naphthalene,2-methyl-  
Concen: 14.995 ppbv  
RT: 24.960 min Scan# 6896  
Delta R.T. 0.000 min  
Lab File: VL038648.D  
Acq: 21 Mar 2022 12:37



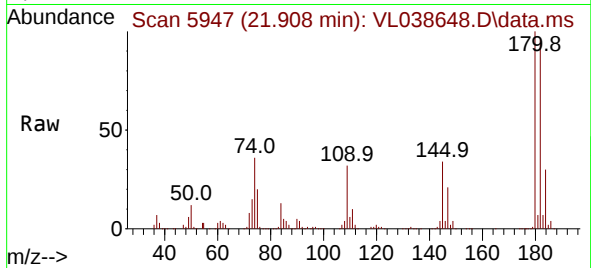
Tgt Ion:142 Resp: 667317  
Ion Ratio Lower Upper  
142 100  
141 83.0 68.4 102.6  
115 34.7 27.9 41.9





#81  
 1,2,4-Trichlorobenzene  
 Concen: 8.954 ppbv  
 RT: 21.908 min Scan# 5947  
 Delta R.T. 0.000 min  
 Lab File: VL038648.D  
 Acq: 21 Mar 2022 12:37

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010



Tgt Ion:180 Resp: 1442463  
 Ion Ratio Lower Upper  
 180 100  
 182 99.0 79.1 118.7  
 184 31.0 25.0 37.6

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/22/2022  
 Supervised By :Mahesh Dadoda 03/24/2022

