

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL110121\  
 Data File : VL037940.D  
 Acq On : 1 Nov 2021 13:10  
 Operator : SY/AP  
 Sample : VSTDICC015  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC015

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/05/2021  
 Supervised By : Mahesh Dadoda 11/10/2021

Quant Time: Nov 01 14:05:05 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL110121AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Nov 01 2021

QLast Update : Mon Nov 01 11:08:47 2021

Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.664  | 49   | 1594513  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.176  | 114  | 4674890  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.082 | 117  | 4397768  | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.407 95 3184554 10.355 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.500%

Target Compounds

|                                 |       |     |         |        |        | Qvalue |
|---------------------------------|-------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane      | 3.054 | 85  | 2498599 | 9.810  | ppbv   | 98     |
| 3) Chlorodifluoromethane        | 2.993 | 51  | 3852891 | 12.576 | ppbv   | 99     |
| 4) Chloromethane                | 3.144 | 50  | 1528118 | 13.618 | ppbv   | 100    |
| 5) Vinyl Chloride               | 3.259 | 62  | 1505759 | 14.638 | ppbv   | 97     |
| 6) Bromomethane                 | 3.475 | 94  | 842462  | 15.140 | ppbv   | 95     |
| 7) Chloroethane                 | 3.558 | 64  | 528529  | 13.974 | ppbv   | 95     |
| 8) Dichlorotetrafluoroethane    | 3.189 | 85  | 3233253 | 12.844 | ppbv   | 99     |
| 9) Propene                      | 3.015 | 41  | 1467166 | 13.015 | ppbv   | 94     |
| 10) Heptane                     | 8.118 | 43  | 3654078 | 14.273 | ppbv   | 100    |
| 11) Trichlorofluoromethane      | 3.951 | 101 | 3061543 | 13.473 | ppbv   | 99     |
| 12) 1,1,2-Trichlorotrifluoro... | 4.488 | 101 | 2295477 | 13.333 | ppbv   | 99     |
| 13) Ethanol                     | 3.607 | 45  | 116381  | 12.624 | ppbv   | 94     |
| 14) Bromoethene                 | 3.738 | 108 | 1060373 | 14.007 | ppbv   | 98     |
| 15) Acetone                     | 3.848 | 43  | 1719545 | 12.013 | ppbv   | 99     |
| 16) 1,3-Butadiene               | 3.330 | 39  | 1419097 | 13.626 | ppbv   | 98     |
| 17) tert-Butyl alcohol          | 4.285 | 59  | 1753872 | 11.897 | ppbv   | 98     |
| 18) 1,1-Dichloroethene          | 4.288 | 96  | 1075922 | 13.751 | ppbv   | 98     |
| 19) Isopropyl Alcohol           | 3.960 | 45  | 1078412 | 12.110 | ppbv # | 95     |
| 20) Methylene Chloride          | 4.343 | 84  | 909625  | 12.577 | ppbv   | 94     |
| 21) Allyl Chloride              | 4.410 | 41  | 1754574 | 13.837 | ppbv   | 99     |
| 22) trans-1,2-Dichloroethene    | 4.883 | 96  | 1113334 | 14.153 | ppbv   | 97     |
| 23) Vinyl Acetate               | 5.070 | 43  | 2851863 | 13.295 | ppbv   | 99     |
| 24) 1,1-Dichloroethane          | 5.012 | 63  | 2177886 | 13.948 | ppbv   | 99     |
| 25) Ethyl Acetate               | 5.677 | 43  | 5532597 | 13.774 | ppbv   | 100    |
| 26) Hexane                      | 5.684 | 57  | 2596583 | 13.128 | ppbv   | 100    |
| 27) Carbon Disulfide            | 4.549 | 76  | 2762117 | 15.758 | ppbv   | 98     |
| 28) Methyl tert-Butyl Ether     | 5.031 | 73  | 2117969 | 12.862 | ppbv   | 98     |
| 29) Chloroform                  | 5.751 | 83  | 3728458 | 13.188 | ppbv   | 97     |
| 30) Cyclohexane                 | 7.127 | 84  | 2242720 | 13.372 | ppbv   | 97     |
| 31) cis-1,2-Dichloroethene      | 5.545 | 61  | 2461886 | 13.711 | ppbv   | 97     |
| 32) 1,1,1-Trichloroethane       | 6.510 | 97  | 3487750 | 13.012 | ppbv   | 99     |
| 34) 2-Butanone                  | 5.240 | 43  | 2484700 | 13.165 | ppbv   | 99     |
| 35) Carbon Tetrachloride        | 7.015 | 117 | 3692447 | 13.908 | ppbv   | 97     |
| 36) Benzene                     | 6.886 | 78  | 5394399 | 13.510 | ppbv   | 98     |
| 37) 1,2-Dichloroethane          | 6.304 | 62  | 2598443 | 13.820 | ppbv   | 98     |
| 38) Trichloroethene             | 7.832 | 130 | 2145161 | 13.598 | ppbv   | 96     |
| 39) 1,2-Dichloropropane         | 7.610 | 63  | 2091205 | 13.923 | ppbv   | 97     |
| 40) 1,4-Dioxane                 | 7.828 | 88  | 453861  | 12.076 | ppbv # | 1      |
| 41) Tetrahydrofuran             | 6.047 | 42  | 1305807 | 14.130 | ppbv   | 99     |
| 42) Bromodichloromethane        | 7.787 | 83  | 3882257 | 14.058 | ppbv   | 98     |
| 43) Methyl Methacrylate         | 8.012 | 69  | 1984445 | 15.216 | ppbv   | 99     |
| 44) 2,2,4-Trimethylpentane      | 7.867 | 57  | 8818099 | 13.144 | ppbv   | 99     |
| 45) t-1,3-Dichloropropene       | 9.272 | 75  | 1705545 | 19.006 | ppbv   | 98     |

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 Data File : VL037940.D  
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 Sample : VSTDIC015  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/05/2021  
 Supervised By : Mahesh Dadoda 11/10/2021

Quant Time: Nov 01 14:05:05 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL110121AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Nov 01 2021

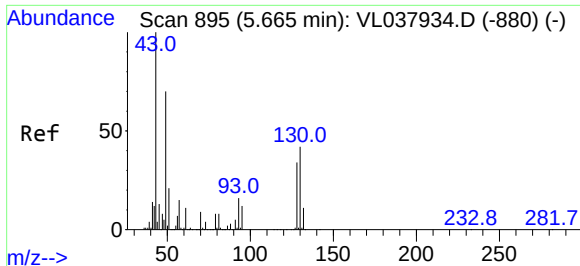
QLast Update : Mon Nov 01 11:08:47 2021

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response  | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|-----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.700  | 75   | 2179068   | 17.519 | ppbv   | 99       |
| 47) 1,1,2-Trichloroethane     | 9.471  | 97   | 2209883   | 13.535 | ppbv   | 98       |
| 48) Dibromochloromethane      | 10.298 | 129  | 3493116   | 15.007 | ppbv   | 99       |
| 49) Bromoform                 | 13.034 | 173  | 2848378   | 15.993 | ppbv   | 97       |
| 50) 4-Methyl-2-Pentanone      | 8.738  | 43   | 3518802   | 14.322 | ppbv   | 98       |
| 51) 2-Hexanone                | 10.130 | 43   | 1667372   | 15.202 | ppbv # | 99       |
| 52) Tetrachloroethene         | 11.217 | 164  | 1959810   | 12.615 | ppbv   | 97       |
| 53) Toluene                   | 9.799  | 91   | 6210681   | 14.035 | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 10.606 | 107  | 3096427   | 14.040 | ppbv   | 100      |
| 56) 1,1,1,2-Tetrachloroethane | 12.121 | 131  | 2349356   | 12.905 | ppbv # | 58       |
| 57) Chlorobenzene             | 12.143 | 112  | 4485136   | 12.432 | ppbv   | 99       |
| 58) Ethyl Benzene             | 12.703 | 91   | 7824698   | 13.250 | ppbv   | 96       |
| 59) m/p-Xylene                | 12.989 | 91   | 13185981m | 26.013 | ppbv   |          |
| 60) o-Xylene                  | 13.687 | 91   | 6057499   | 12.469 | ppbv   | 98       |
| 61) Styrene                   | 13.523 | 104  | 3516506   | 14.965 | ppbv   | 99       |
| 62) Isopropylbenzene          | 14.661 | 105  | 8326096   | 12.288 | ppbv   | 98       |
| 63) 1,1,2,2-Tetrachloroethane | 13.667 | 83   | 4453192   | 11.879 | ppbv   | 99       |
| 64) n-propylbenzene           | 15.552 | 120  | 2319545   | 13.727 | ppbv   | 96       |
| 65) tert-Butylbenzene         | 16.738 | 119  | 7257639   | 12.171 | ppbv   | 100      |
| 66) Benzyl Chloride           | 16.976 | 91   | 522931    | 17.770 | ppbv   | 97       |
| 67) sec-Butylbenzene          | 17.288 | 105  | 10013718  | 12.279 | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 17.645 | 119  | 8304036   | 12.595 | ppbv   | 99       |
| 70) n-Butylbenzene            | 18.539 | 91   | 8068479   | 12.882 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 15.442 | 91   | 6200663   | 12.959 | ppbv   | 98       |
| 72) 4-Ethyltoluene            | 15.831 | 105  | 7181026   | 13.018 | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 15.989 | 105  | 6592844   | 13.158 | ppbv   | 96       |
| 74) 1,2,4-Trimethylbenzene    | 16.757 | 105  | 6575358   | 12.497 | ppbv   | 98       |
| 75) 1,3-Dichlorobenzene       | 16.989 | 146  | 4111960   | 12.614 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 17.130 | 146  | 4056579   | 13.045 | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 17.809 | 146  | 3871423   | 12.363 | ppbv   | 100      |
| 78) Hexachloro-1,3-Butadiene  | 23.365 | 225  | 2850408   | 11.148 | ppbv   | 98       |
| 79) Naphthalene               | 22.181 | 128  | 5421938   | 16.826 | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 24.956 | 142  | 1640928   | 18.965 | ppbv   | 99       |
| 81) 1,2,4-Trichlorobenzene    | 21.908 | 180  | 3020885   | 14.658 | ppbv   | 98       |

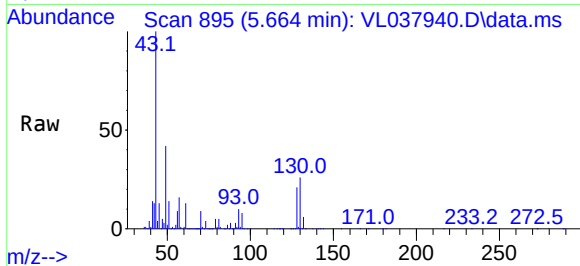
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.664 min Scan# 895  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

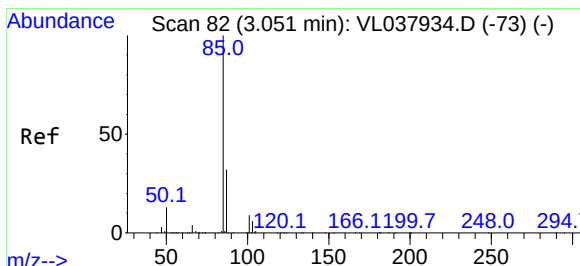
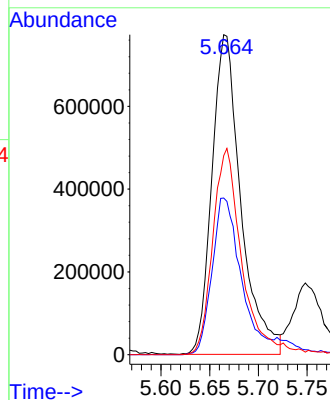
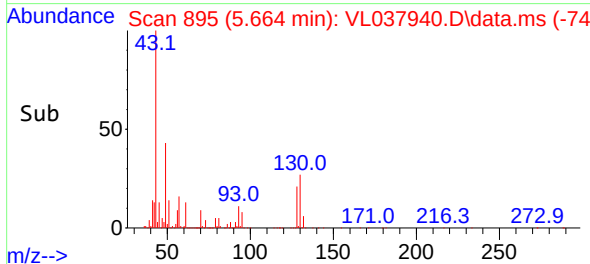
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



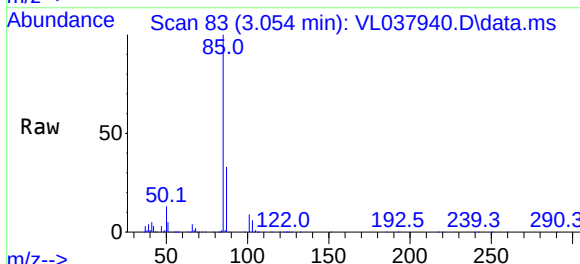
Tgt Ion: 49 Resp: 1594511  
Ion Ratio Lower Upper  
49 100  
128 54.1 27.0 81.0  
130 66.0 33.4 100.2

Manual Integrations  
APPROVED

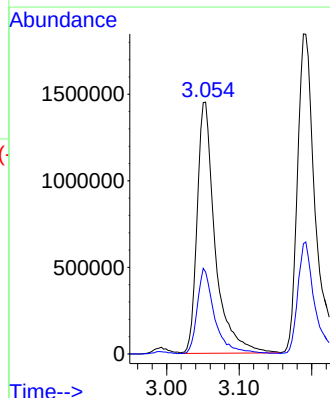
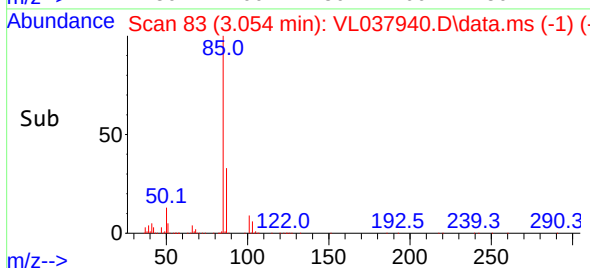
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021

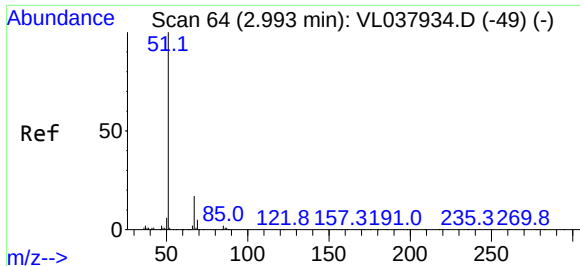


#2  
Dichlorodifluoromethane  
Concen: 9.810 ppbv  
RT: 3.054 min Scan# 83  
Delta R.T. 0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10



Tgt Ion: 85 Resp: 2498599  
Ion Ratio Lower Upper  
85 100  
87 32.5 25.3 37.9





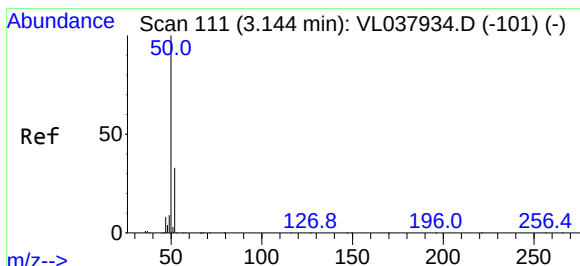
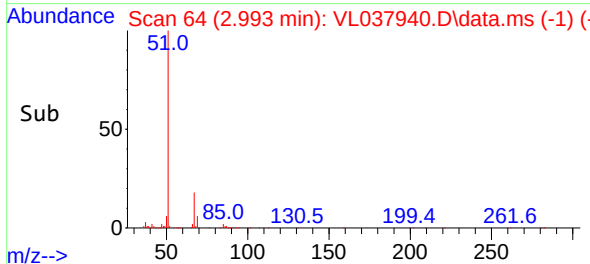
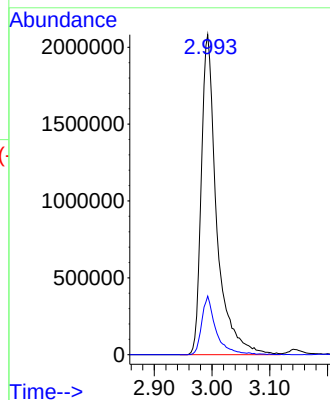
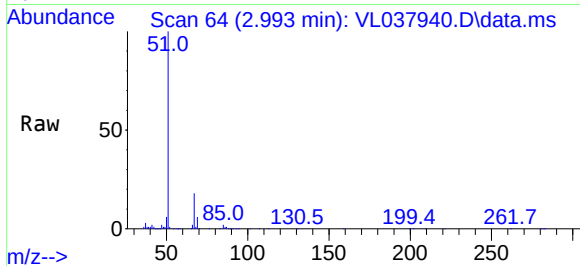
#3  
Chlorodifluoromethane  
Concen: 12.576 ppbv  
RT: 2.993 min Scan# 64  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

Tgt Ion: 51 Resp: 385289  
Ion Ratio Lower Upper  
51 100  
67 17.1 13.4 20.0

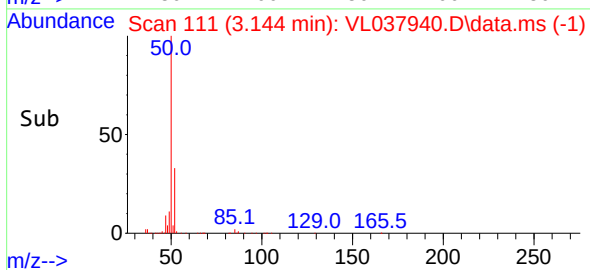
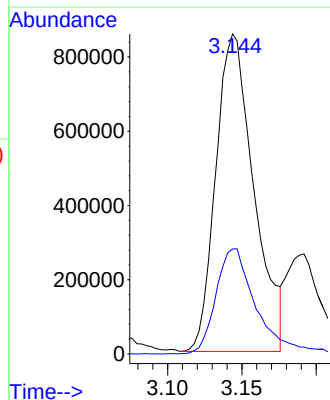
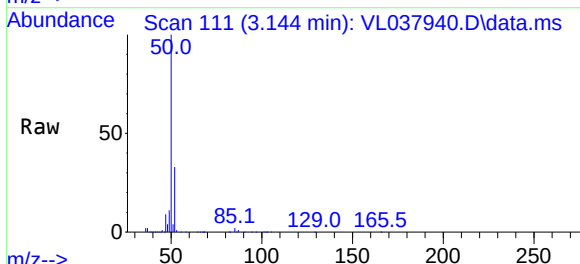
Manual Integrations  
APPROVED

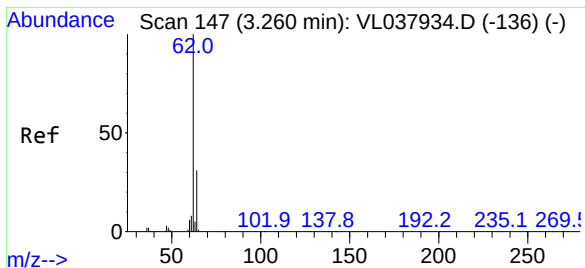
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021



#4  
Chloromethane  
Concen: 13.618 ppbv  
RT: 3.144 min Scan# 111  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

Tgt Ion: 50 Resp: 1528118  
Ion Ratio Lower Upper  
50 100  
52 33.0 26.3 39.5





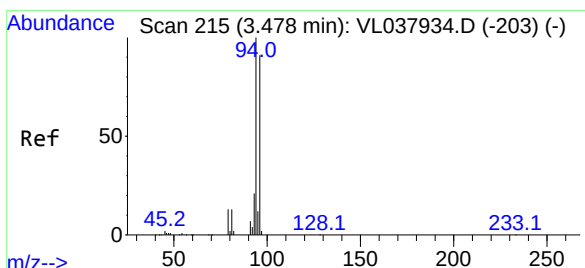
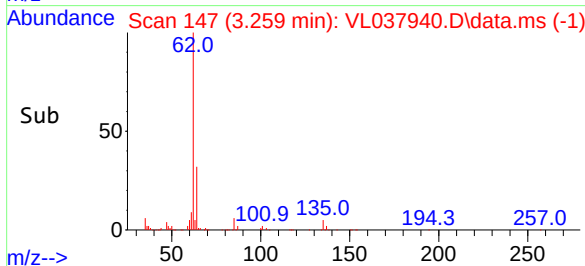
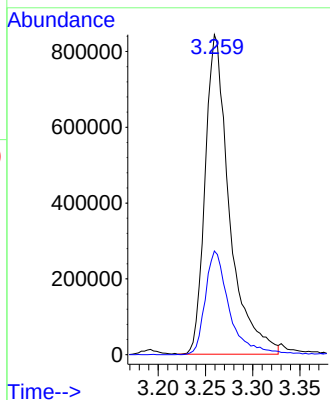
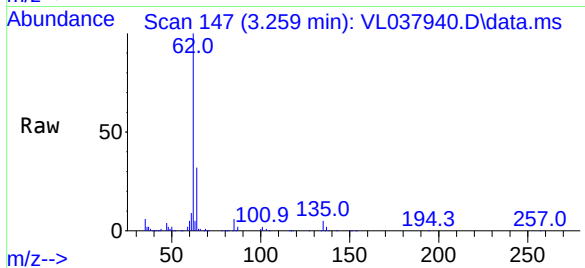
#5  
 Vinyl Chloride  
 Concen: 14.638 ppbv  
 RT: 3.259 min Scan# 14  
 Delta R.T. -0.000 min  
 Lab File: VL037940.D  
 Acq: 1 Nov 2021 13:10

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

Tgt Ion: 62 Resp: 150575  
 Ion Ratio Lower Upper  
 62 100  
 64 32.4 24.7 37.1

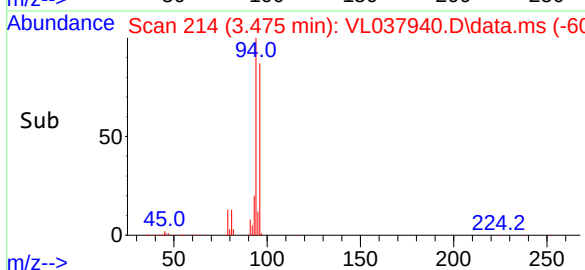
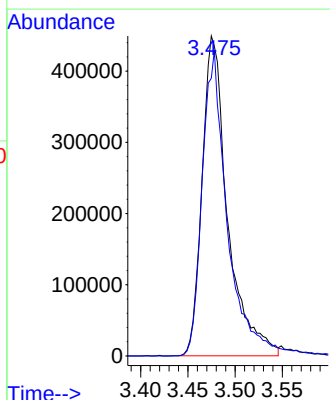
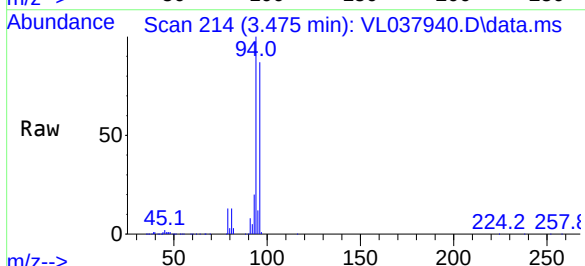
Manual Integrations  
 APPROVED

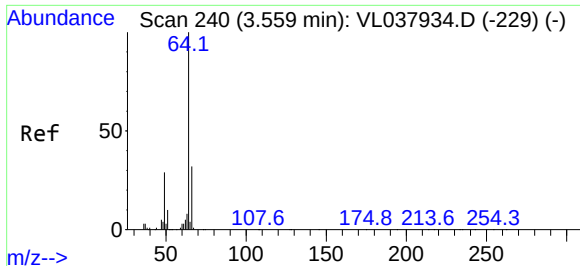
Reviewed By :Semsettin Yesilyurt 11/05/2021  
 Supervised By :Mahesh Dadoda 11/10/2021



#6  
 Bromomethane  
 Concen: 15.140 ppbv  
 RT: 3.475 min Scan# 214  
 Delta R.T. -0.003 min  
 Lab File: VL037940.D  
 Acq: 1 Nov 2021 13:10

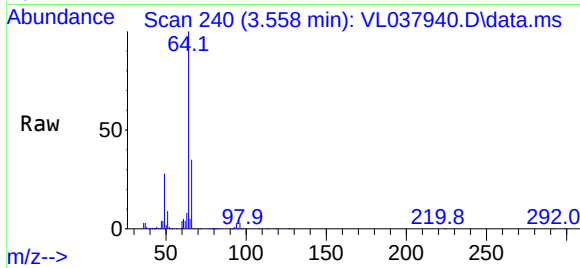
Tgt Ion: 94 Resp: 842462  
 Ion Ratio Lower Upper  
 94 100  
 96 86.8 73.0 109.4





#7  
Chloroethane  
Concen: 13.974 ppbv  
RT: 3.558 min Scan# 240  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

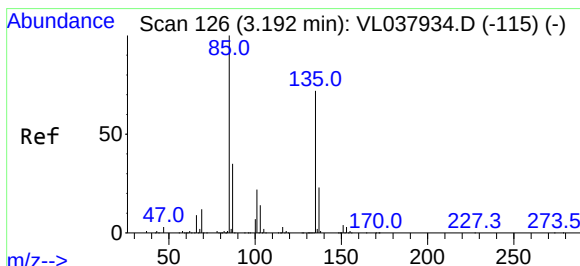
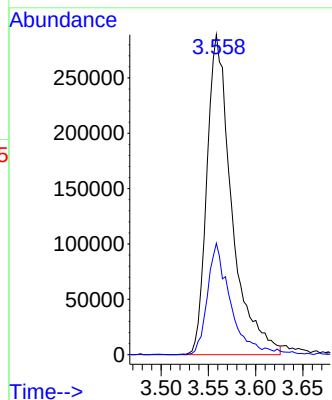
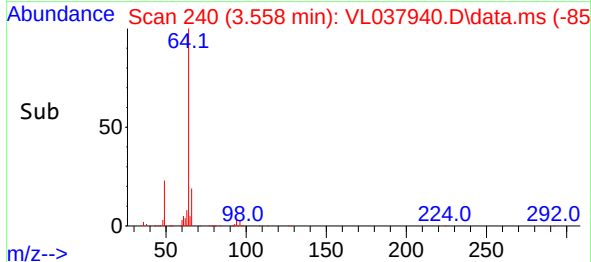
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



Tgt Ion: 64 Resp: 528529  
Ion Ratio Lower Upper  
64 100  
66 34.8 25.5 38.3

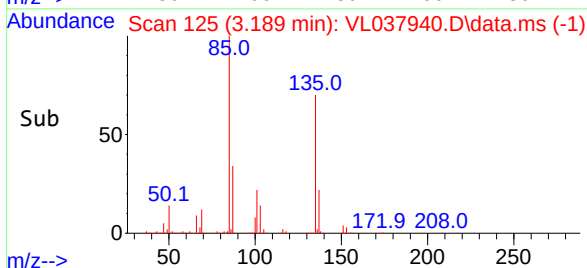
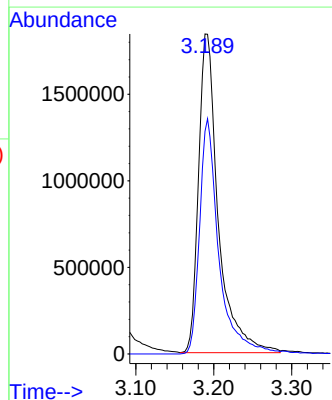
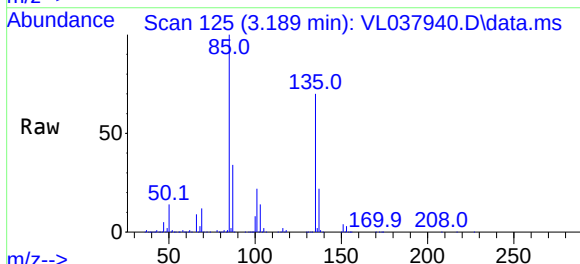
Manual Integrations  
APPROVED

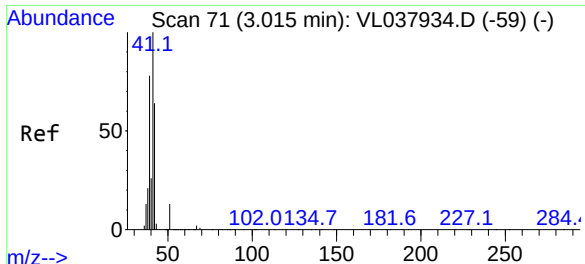
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021



#8  
Dichlorotetrafluoroethane  
Concen: 12.844 ppbv  
RT: 3.189 min Scan# 125  
Delta R.T. -0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

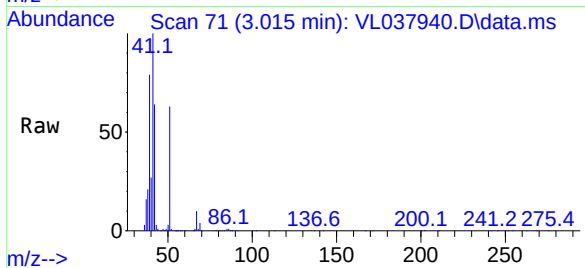
Tgt Ion: 85 Resp: 3233253  
Ion Ratio Lower Upper  
85 100  
135 72.9 58.8 88.2





#9  
Propene  
Concen: 13.015 ppbv  
RT: 3.015 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

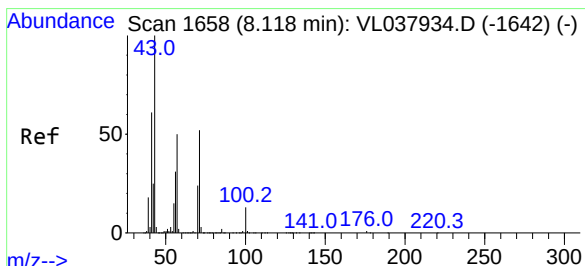
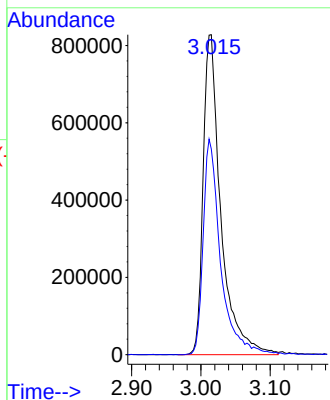
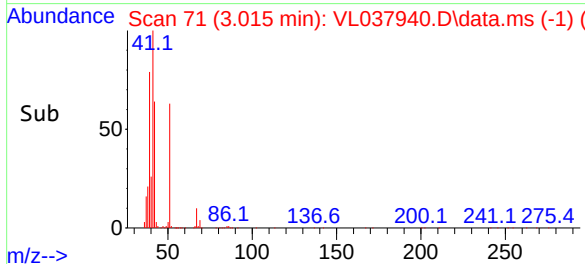
Instrument :  
MSVOA\_L  
Client Sample Id :  
VSTDIC015



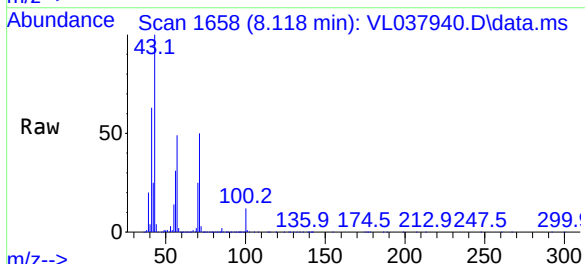
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Ion Ratio Lower Upper  
41 100  
42 66.7 57.6 86.4

Manual Integrations  
APPROVED

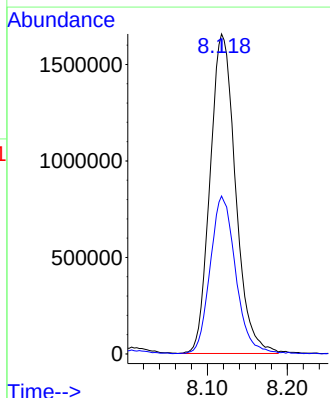
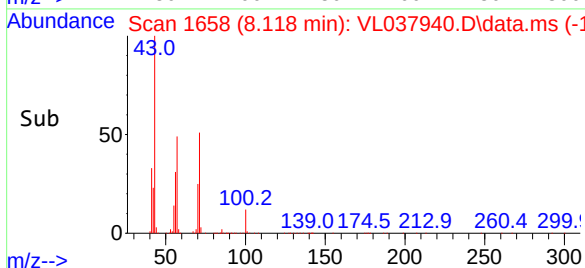
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021



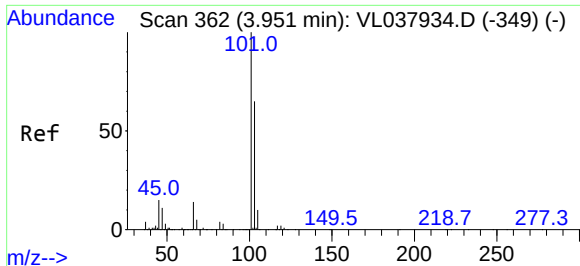
#10  
Heptane  
Concen: 14.273 ppbv  
RT: 8.118 min Scan# 1658  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10



Tgt Ion: 43 Resp: 3654078  
Ion Ratio Lower Upper  
43 100  
57 49.7 39.8 59.8

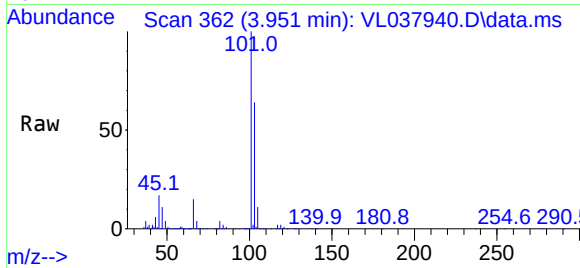






#11  
Trichlorofluoromethane  
Concen: 13.473 ppbv  
RT: 3.951 min Scan# 30  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

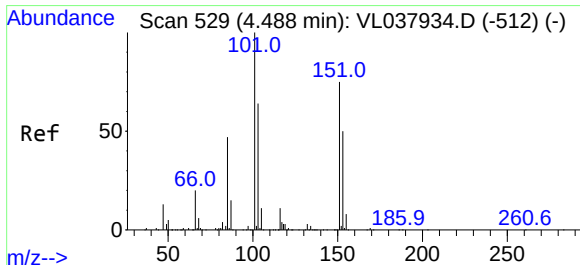
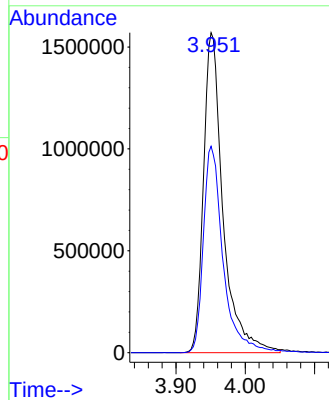
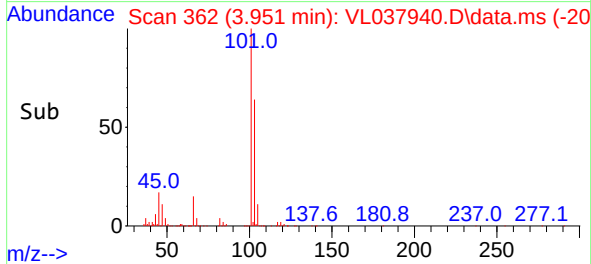
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



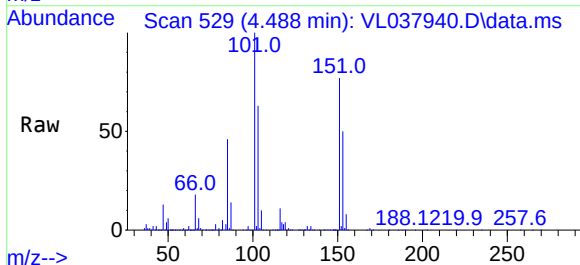
Tgt Ion:101 Resp: 306154  
Ion Ratio Lower Upper  
101 100  
103 64.5 52.0 78.0

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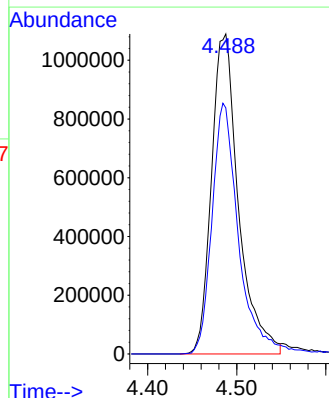
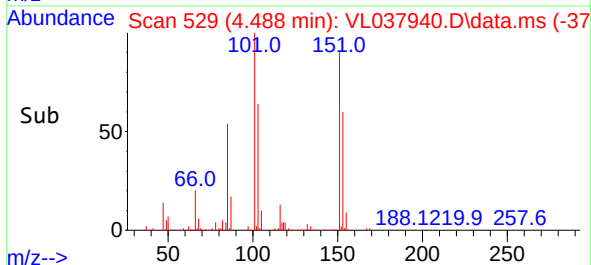
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021

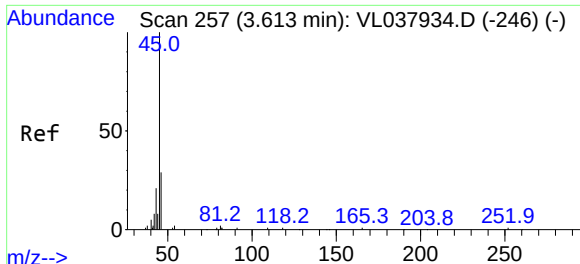


#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 13.333 ppbv  
RT: 4.488 min Scan# 529  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10



Tgt Ion:101 Resp: 2295477  
Ion Ratio Lower Upper  
101 100  
151 78.1 61.8 92.8





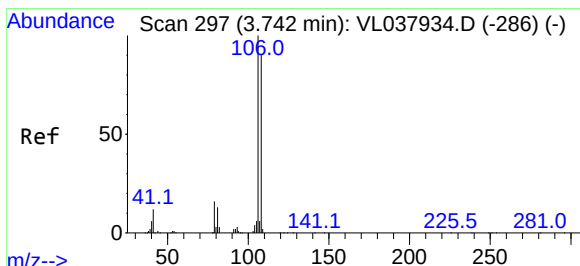
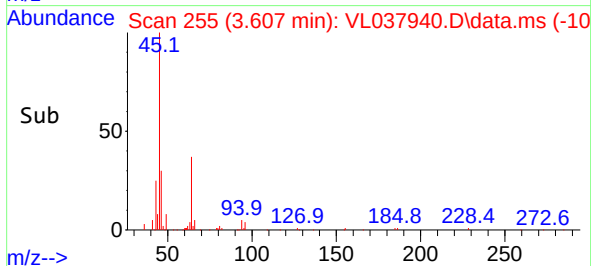
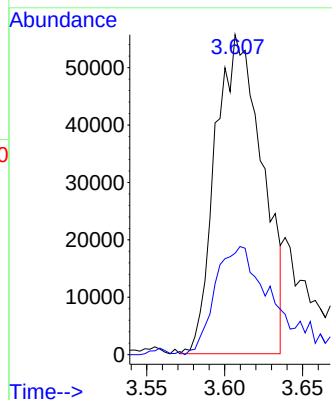
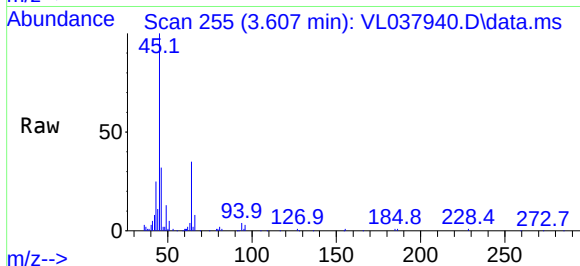
#13  
Ethanol  
Concen: 12.624 ppbv  
RT: 3.607 min Scan# 211  
Delta R.T. -0.007 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

Tgt Ion: 45 Resp: 11638  
Ion Ratio Lower Upper  
45 100  
46 47.6 17.4 69.8

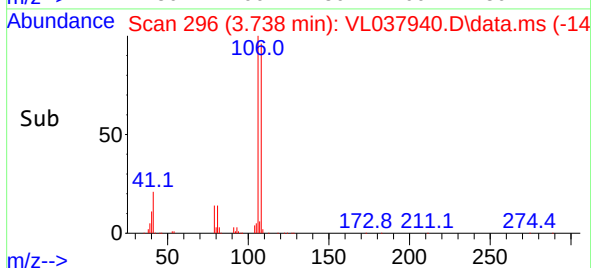
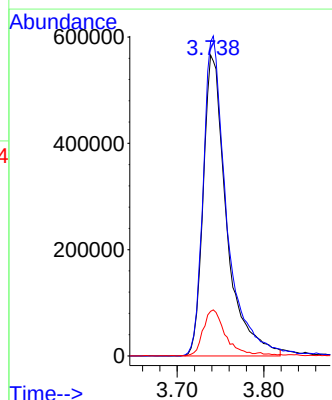
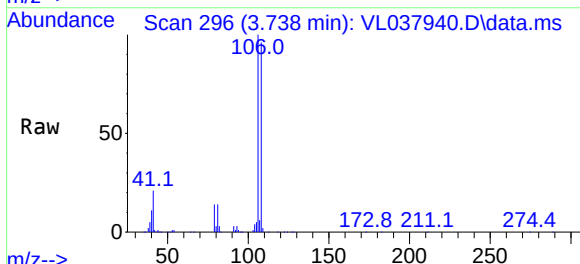
Manual Integrations  
APPROVED

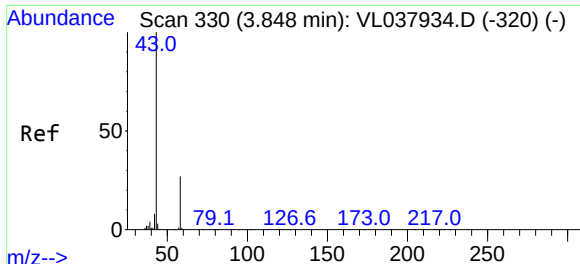
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021



#14  
Bromoethene  
Concen: 14.007 ppbv  
RT: 3.738 min Scan# 296  
Delta R.T. -0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

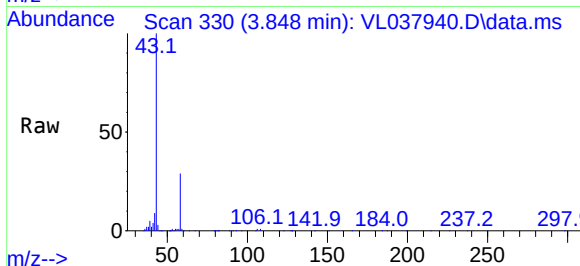
Tgt Ion:108 Resp: 1060373  
Ion Ratio Lower Upper  
108 100  
106 108.2 88.4 132.6  
79 15.6 12.4 18.6





#15  
Acetone  
Concen: 12.013 ppbv  
RT: 3.848 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

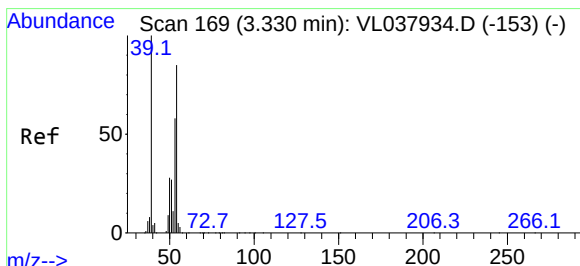
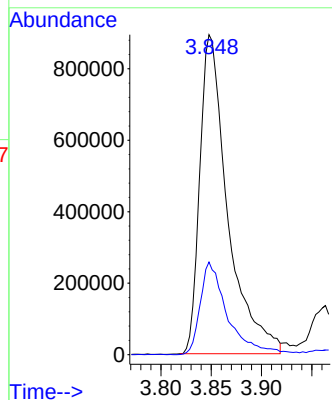
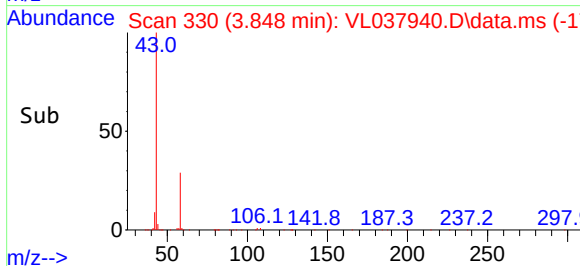
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



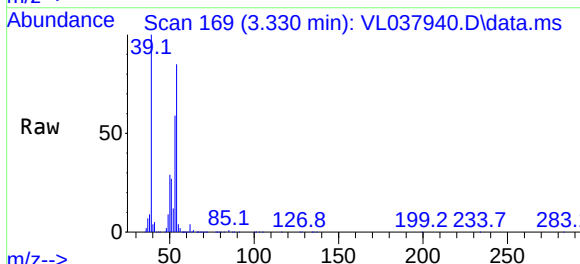
Tgt Ion: 43 Resp: 171954  
Ion Ratio Lower Upper  
43 100  
58 28.7 23.3 34.9

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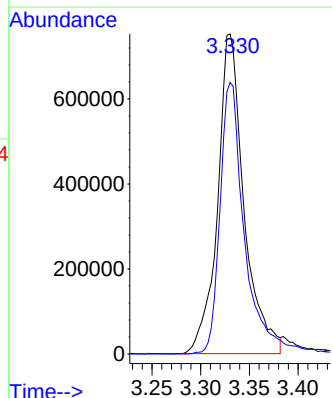
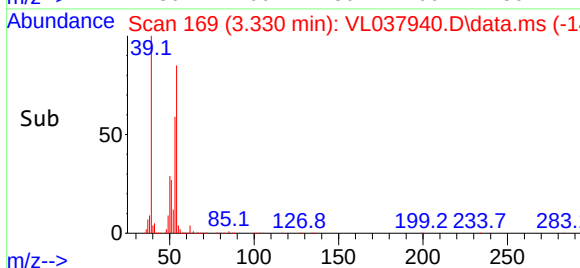
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021

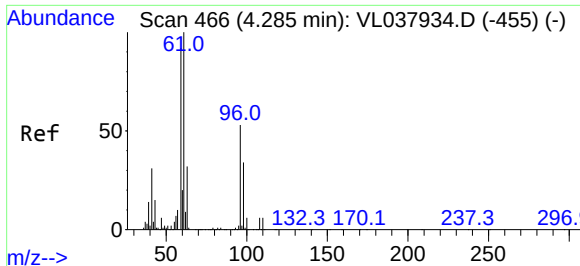


#16  
1,3-Butadiene  
Concen: 13.626 ppbv  
RT: 3.330 min Scan# 169  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10



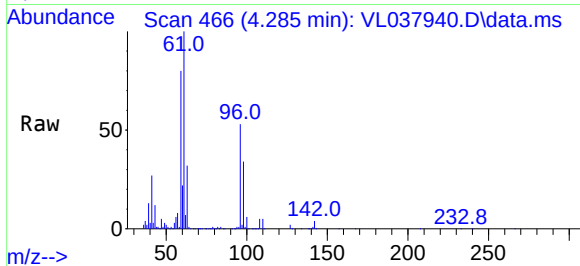
Tgt Ion: 39 Resp: 1419097  
Ion Ratio Lower Upper  
39 100  
54 80.0 62.6 93.8





#17  
tert-Butyl alcohol  
Concen: 11.897 ppbv  
RT: 4.285 min Scan# 466  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

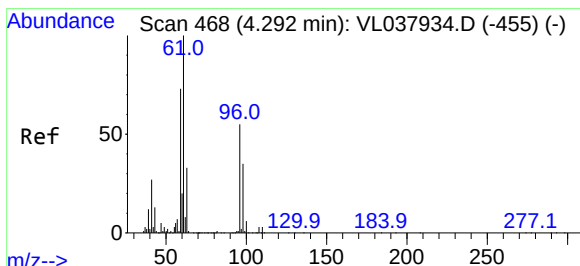
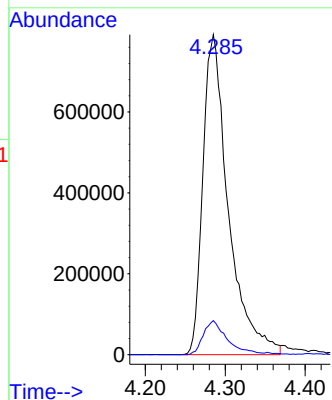
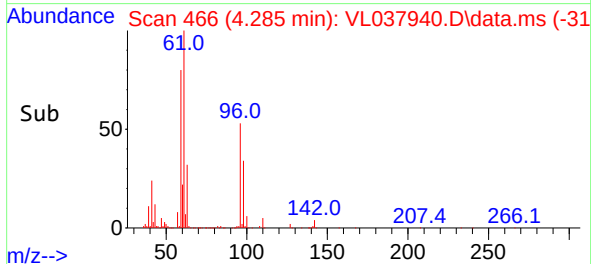
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



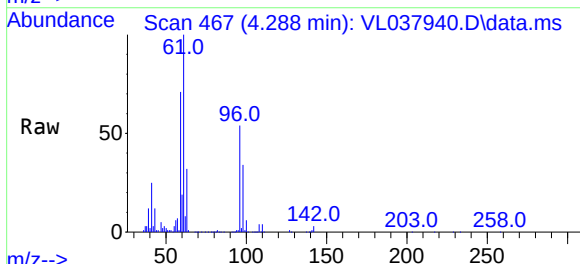
Tgt Ion: 59 Resp: 1753872  
Ion Ratio Lower Upper  
59 100  
57 10.4 8.9 13.3

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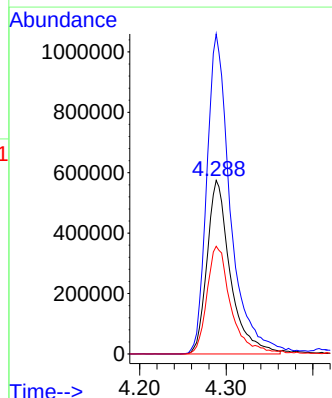
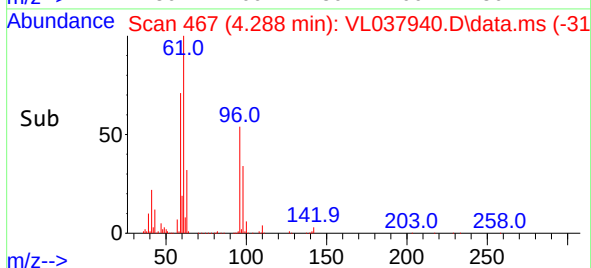
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021

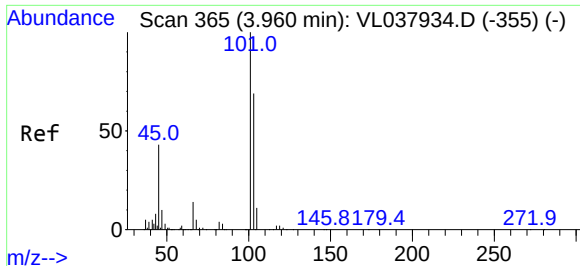


#18  
1,1-Dichloroethene  
Concen: 13.751 ppbv  
RT: 4.288 min Scan# 467  
Delta R.T. -0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10



Tgt Ion: 96 Resp: 1075922  
Ion Ratio Lower Upper  
96 100  
61 184.4 144.3 216.5  
98 62.1 50.5 75.7





#19  
Isopropyl Alcohol  
Concen: 12.110 ppbv  
RT: 3.960 min Scan# 30  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

Instrument :

MSVOA\_L

ClientSampleId :

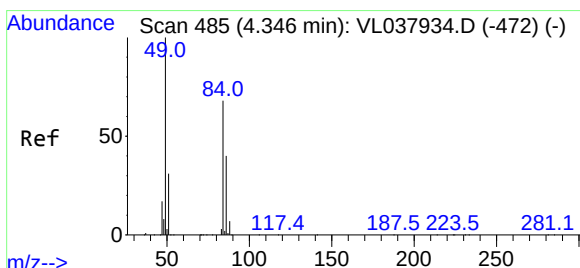
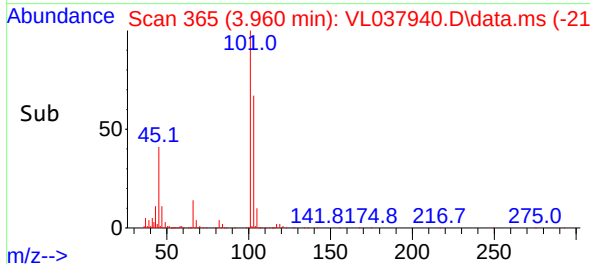
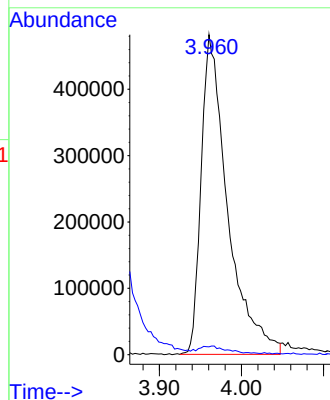
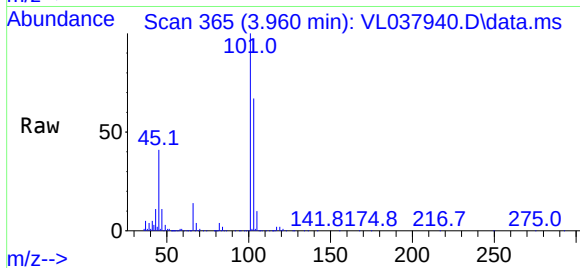
VSTDIC015

Tgt Ion: 45 Resp: 107841  
Ion Ratio Lower Upper  
45 100  
58 3.4 4.0 6.0

Manual Integrations

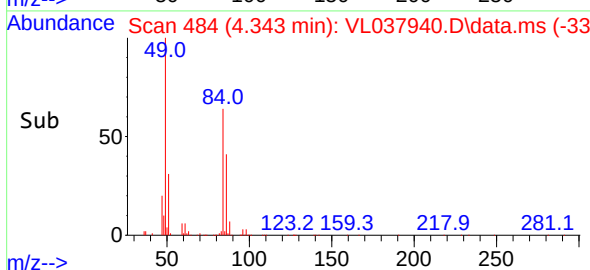
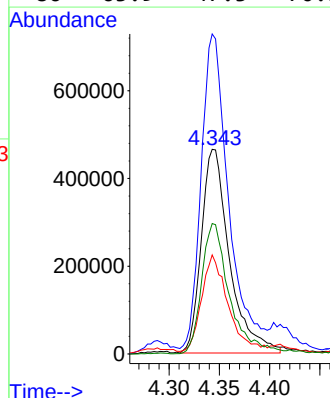
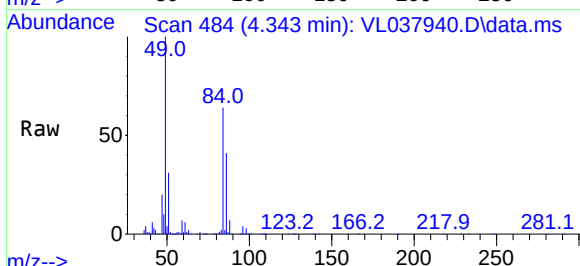
APPROVED

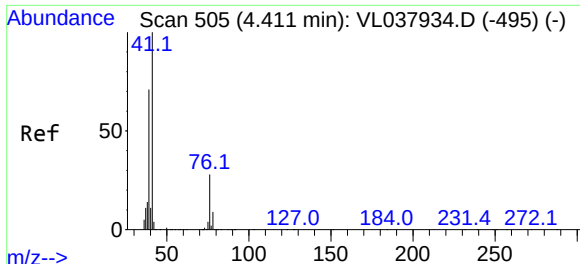
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021



#20  
Methylene Chloride  
Concen: 12.577 ppbv  
RT: 4.343 min Scan# 484  
Delta R.T. -0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

Tgt Ion: 84 Resp: 909625  
Ion Ratio Lower Upper  
84 100  
49 154.4 117.5 176.3  
51 47.4 35.9 53.9  
86 63.9 47.3 70.9





#21  
 Allyl Chloride  
 Concen: 13.837 ppbv  
 RT: 4.410 min Scan# 505  
 Delta R.T. -0.000 min  
 Lab File: VL037940.D  
 Acq: 1 Nov 2021 13:10

Instrument :

MSVOA\_L

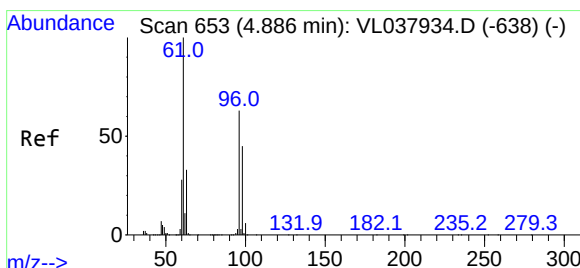
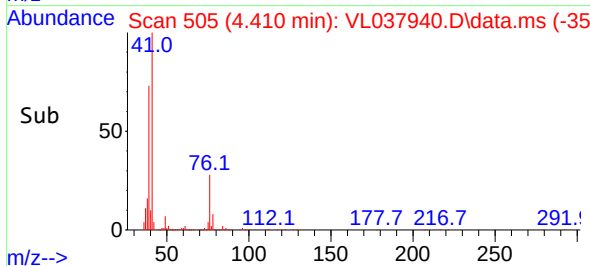
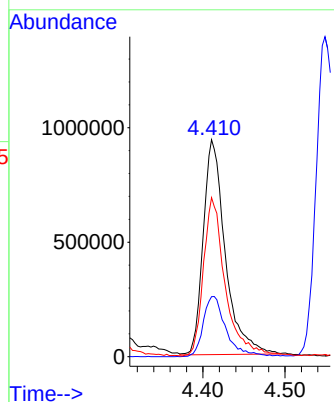
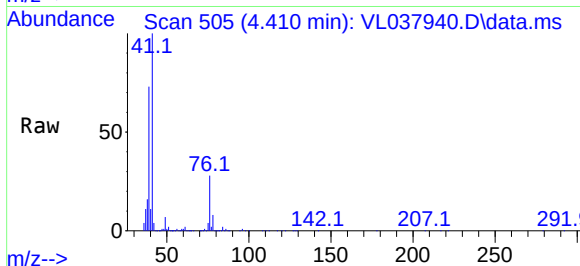
ClientSampleId :

VSTDIC015

Tgt Ion: 41 Resp: 1754574  
 Ion Ratio Lower Upper  
 41 100  
 76 29.1 23.6 35.4  
 39 73.2 59.7 89.5

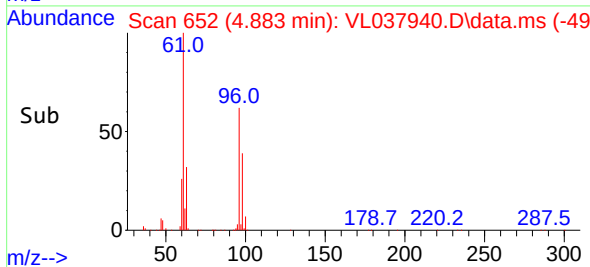
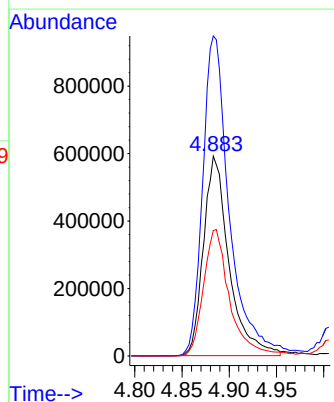
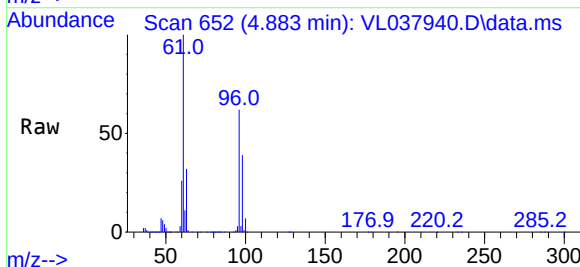
Manual Integrations  
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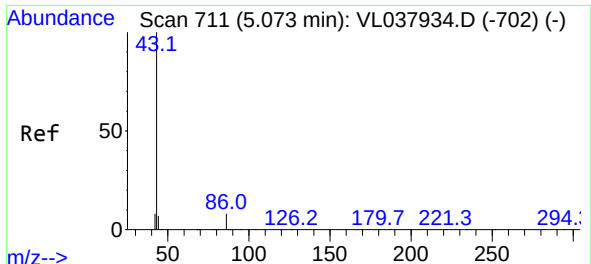
Reviewed By :Semsettin Yesilyurt 11/05/2021  
 Supervised By :Mahesh Dadoda 11/10/2021



#22  
 trans-1,2-Dichloroethene  
 Concen: 14.153 ppbv  
 RT: 4.883 min Scan# 652  
 Delta R.T. -0.003 min  
 Lab File: VL037940.D  
 Acq: 1 Nov 2021 13:10

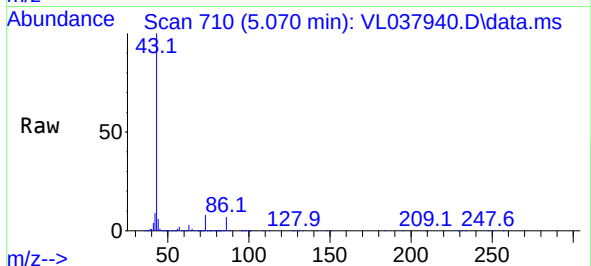
Tgt Ion: 96 Resp: 1113334  
 Ion Ratio Lower Upper  
 96 100  
 61 159.9 127.8 191.6  
 98 62.8 56.9 85.3





#23  
 Vinyl Acetate  
 Concen: 13.295 ppbv  
 RT: 5.070 min Scan# 711  
 Delta R.T. -0.003 min  
 Lab File: VL037940.D  
 Acq: 1 Nov 2021 13:10

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

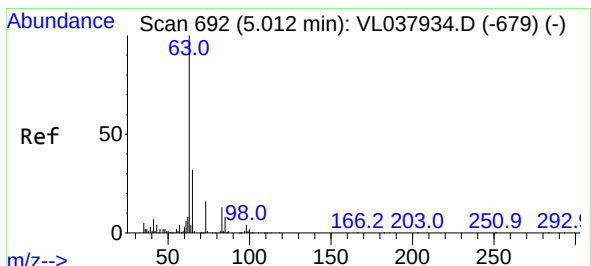
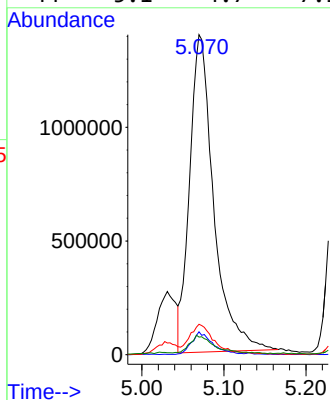
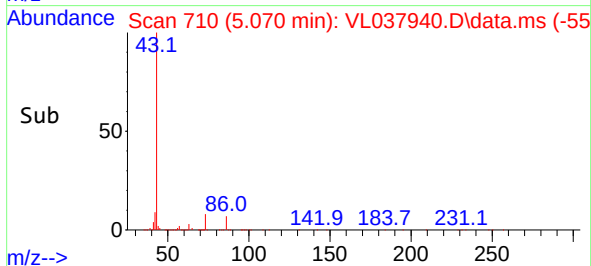


Tgt Ion: 43 Resp: 285186

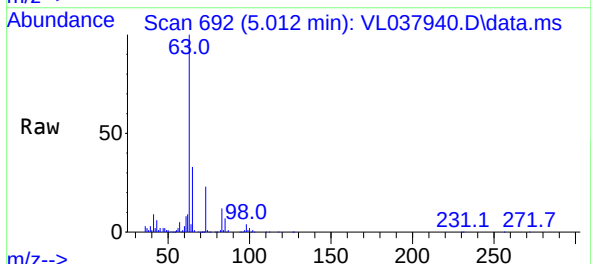
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 7.2   | 5.5   | 8.3   |
| 42  | 9.4   | 7.4   | 11.2  |
| 44  | 5.1   | 4.7   | 7.1   |

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Reviewed By :Semsettin Yesilyurt 11/05/2021  
 Supervised By :Mahesh Dadoda 11/10/2021

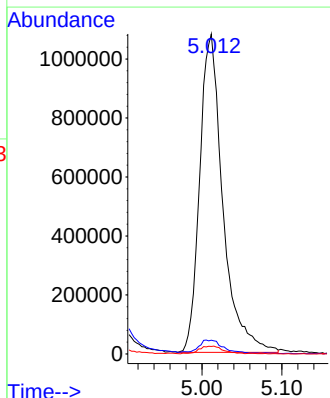
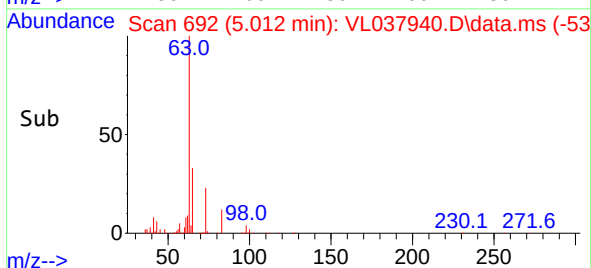


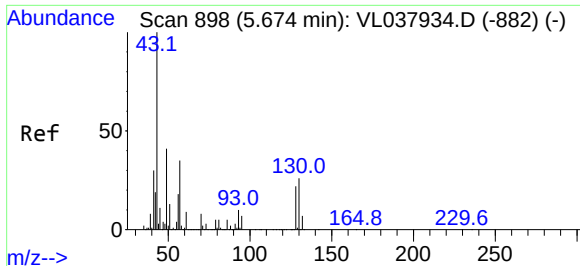
#24  
 1,1-Dichloroethane  
 Concen: 13.948 ppbv  
 RT: 5.012 min Scan# 692  
 Delta R.T. -0.000 min  
 Lab File: VL037940.D  
 Acq: 1 Nov 2021 13:10



Tgt Ion: 63 Resp: 2177886

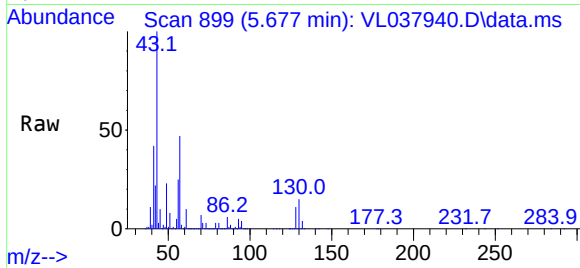
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 4.2   | 2.3   | 6.9   |
| 100 | 2.3   | 1.2   | 3.6   |





#25  
Ethyl Acetate  
Concen: 13.774 ppbv  
RT: 5.677 min Scan# 899  
Delta R.T. 0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

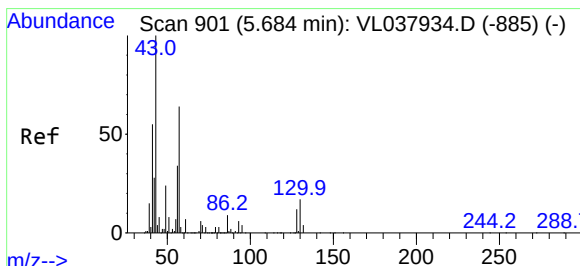
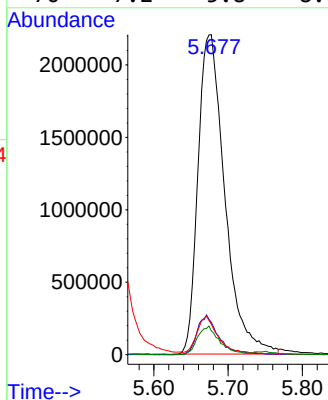
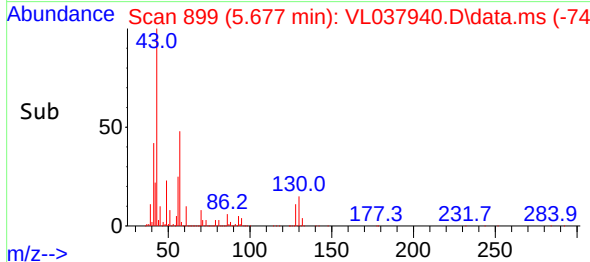


Tgt Ion: 43 Resp: 553259

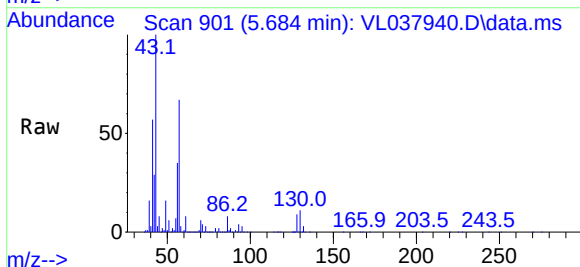
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 10.1  | 8.1   | 12.1  |
| 61  | 10.2  | 8.1   | 12.1  |
| 70  | 7.2   | 5.8   | 8.6   |

Manual Integrations  
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Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021

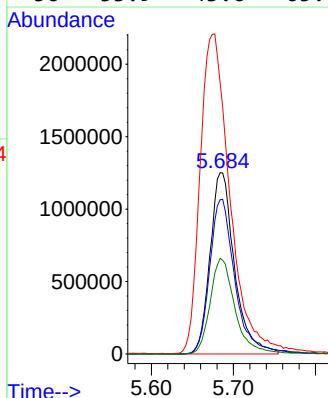
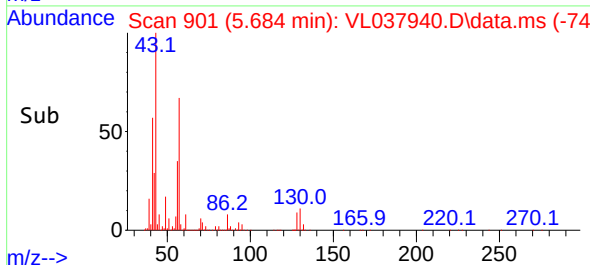


#26  
Hexane  
Concen: 13.128 ppbv  
RT: 5.684 min Scan# 901  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

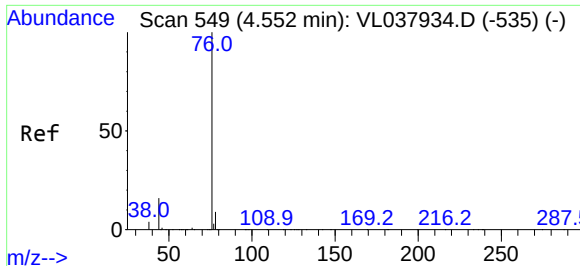


Tgt Ion: 57 Resp: 2596583

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 88.8  | 71.0  | 106.6 |
| 43  | 215.8 | 173.0 | 259.6 |
| 56  | 53.9  | 43.6  | 65.4  |

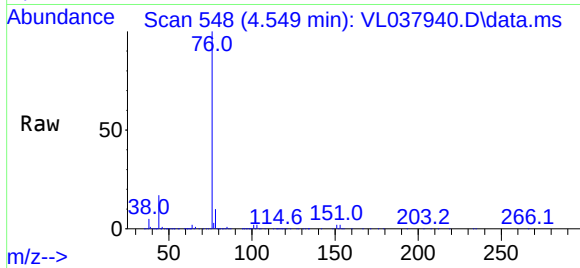






#27  
Carbon Disulfide  
Concen: 15.758 ppbv  
RT: 4.549 min Scan# 549  
Delta R.T. -0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

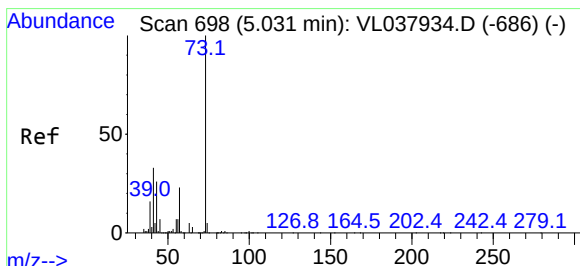
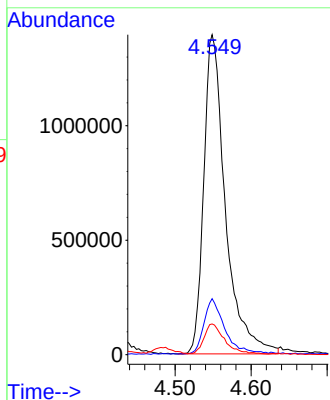
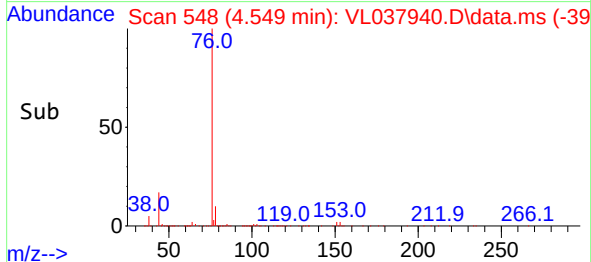
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



Tgt Ion: 76 Resp: 276211  
Ion Ratio Lower Upper  
76 100  
44 17.4 13.2 19.8  
78 9.8 7.2 10.8

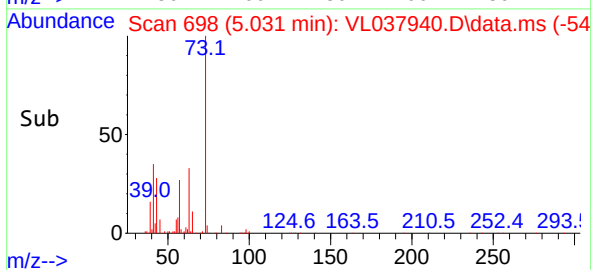
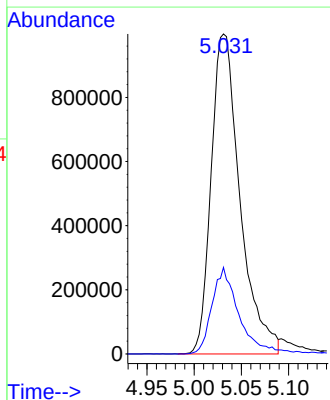
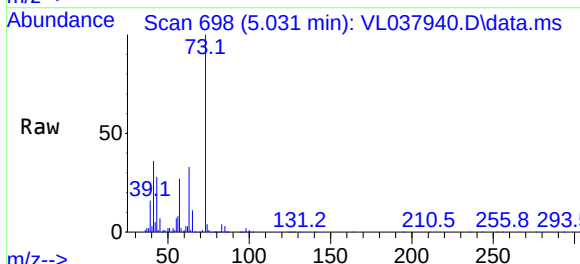
Manual Integrations  
APPROVED

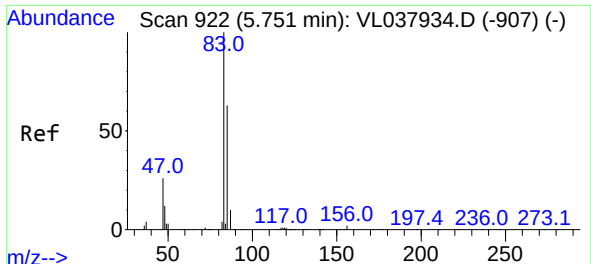
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021



#28  
Methyl tert-Butyl Ether  
Concen: 12.862 ppbv  
RT: 5.031 min Scan# 698  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

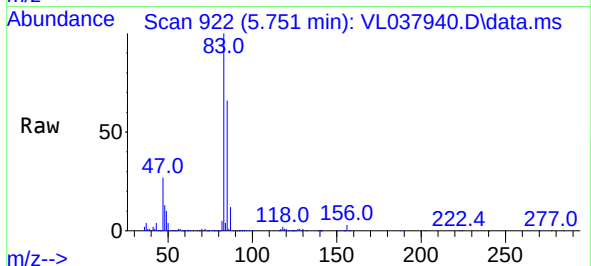
Tgt Ion: 73 Resp: 2117969  
Ion Ratio Lower Upper  
73 100  
57 25.9 20.1 30.1





#29  
Chloroform  
Concen: 13.188 ppbv  
RT: 5.751 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

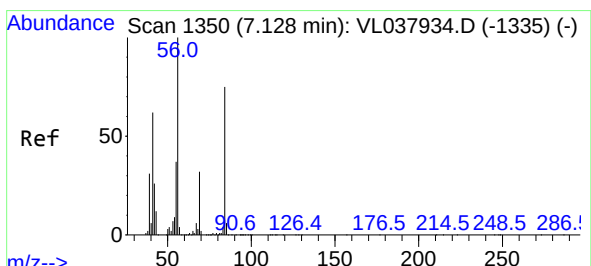
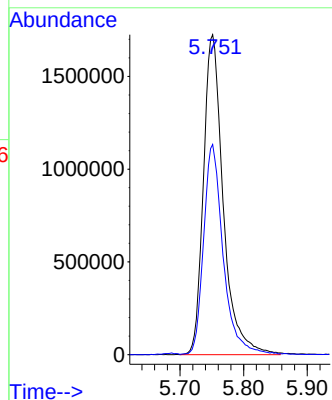
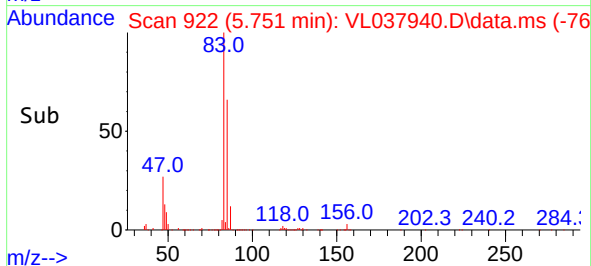
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC015



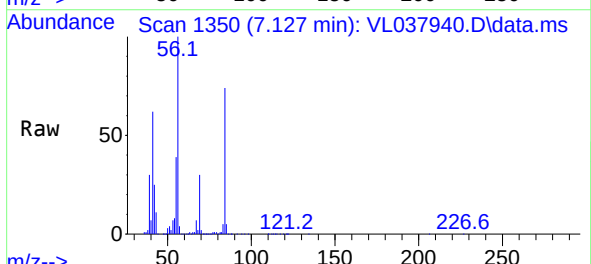
Tgt Ion: 83 Resp: 372845  
Ion Ratio Lower Upper  
83 100  
85 65.6 50.6 76.0

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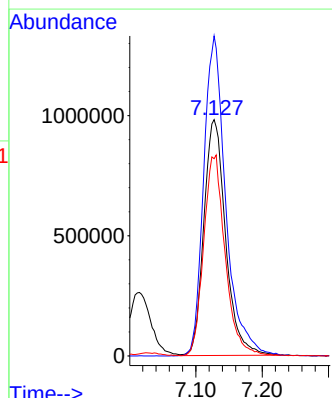
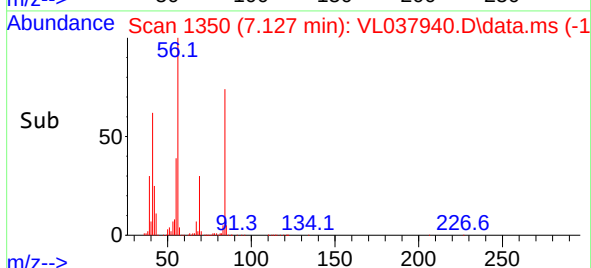
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021

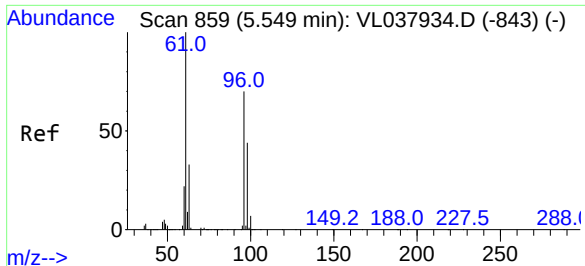


#30  
Cyclohexane  
Concen: 13.372 ppbv  
RT: 7.127 min Scan# 1350  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10



Tgt Ion: 84 Resp: 2242720  
Ion Ratio Lower Upper  
84 100  
56 137.9 114.0 171.0  
41 84.6 68.3 102.5





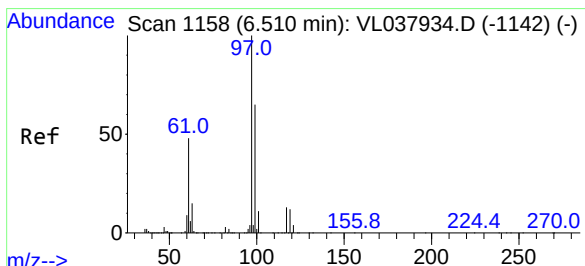
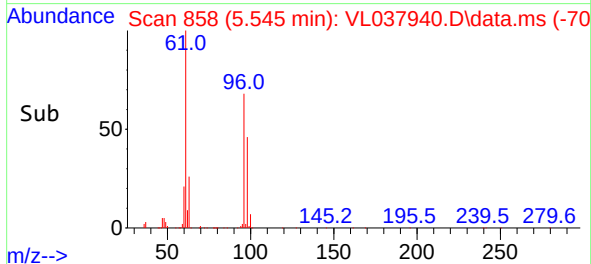
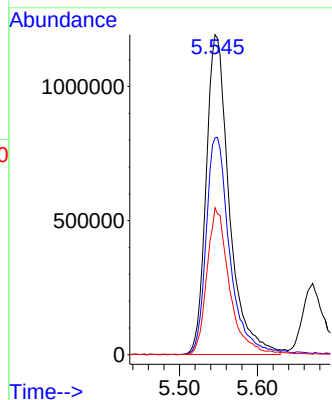
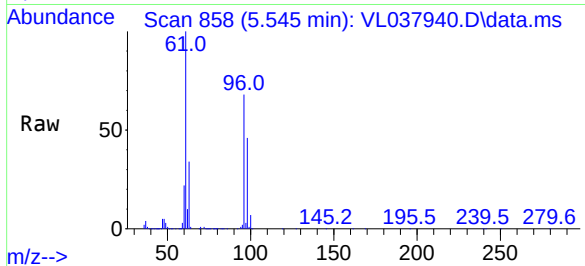
#31  
cis-1,2-Dichloroethene  
Concen: 13.711 ppbv  
RT: 5.545 min Scan# 859  
Delta R.T. -0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

Tgt Ion: 61 Resp: 2461880  
Ion Ratio Lower Upper  
61 100  
96 67.7 55.6 83.4  
98 45.9 34.9 52.3

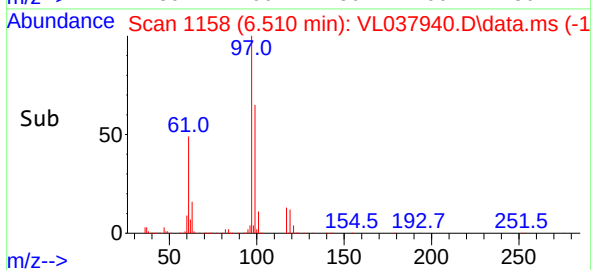
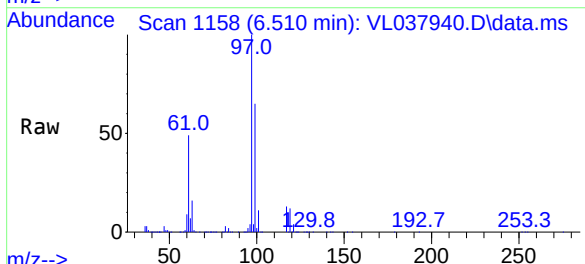
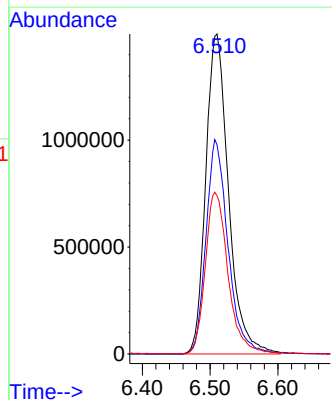
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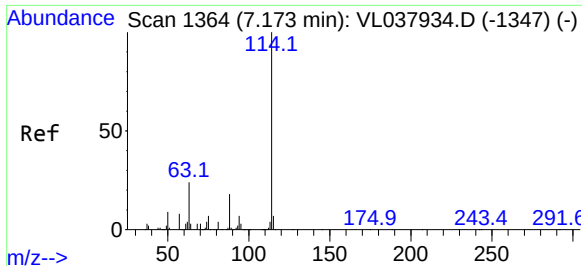
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021



#32  
1,1,1-Trichloroethane  
Concen: 13.012 ppbv  
RT: 6.510 min Scan# 1158  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

Tgt Ion: 97 Resp: 3487750  
Ion Ratio Lower Upper  
97 100  
99 65.2 52.2 78.4  
61 50.4 39.8 59.6





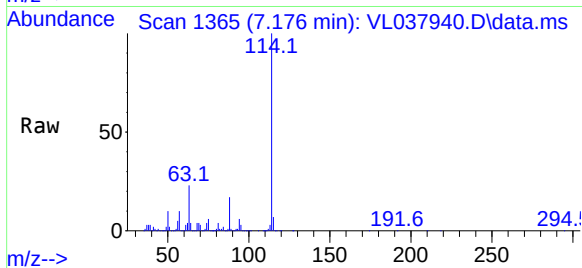
#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.176 min Scan# 114  
Delta R.T. 0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

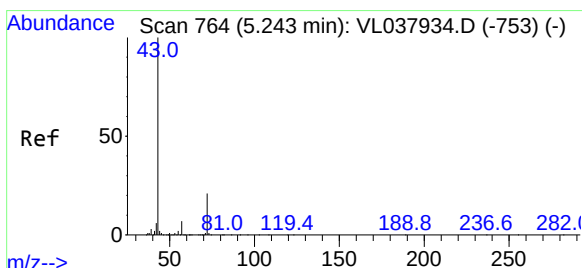
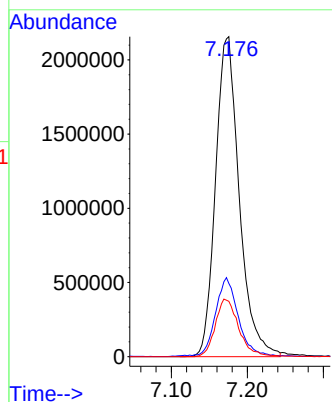
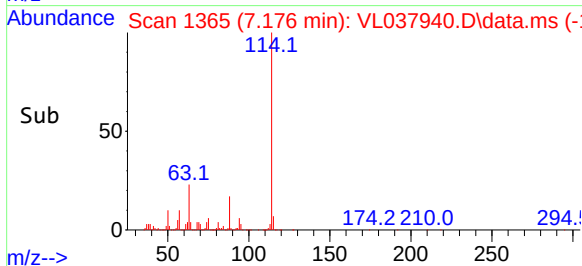


Tgt Ion:114 Resp: 4674890  
Ion Ratio Lower Upper  
114 100  
63 24.2 19.4 29.0  
88 17.9 14.2 21.4

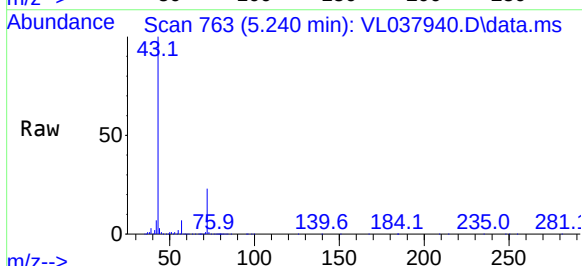
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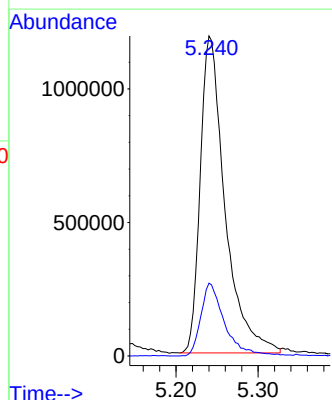
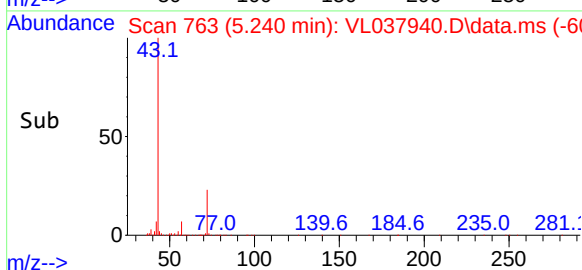
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021

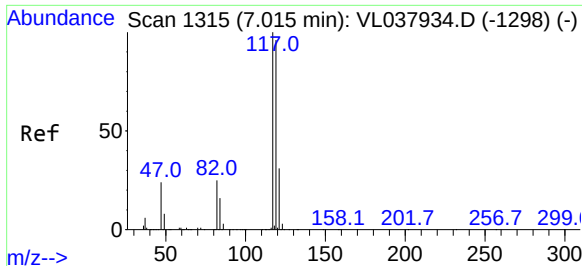


#34  
2-Butanone  
Concen: 13.165 ppbv  
RT: 5.240 min Scan# 763  
Delta R.T. -0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10



Tgt Ion: 43 Resp: 2484700  
Ion Ratio Lower Upper  
43 100  
72 22.3 18.3 27.5





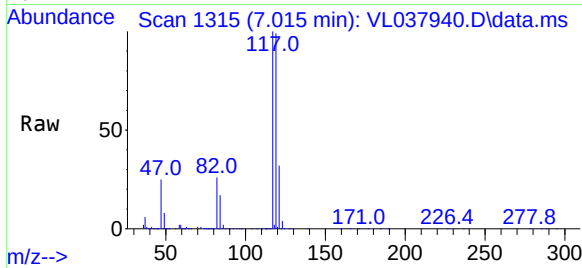
#35  
Carbon Tetrachloride  
Concen: 13.908 ppbv  
RT: 7.015 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC015

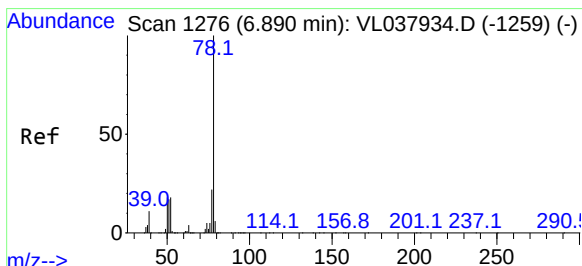
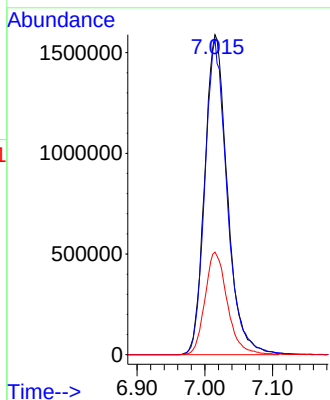
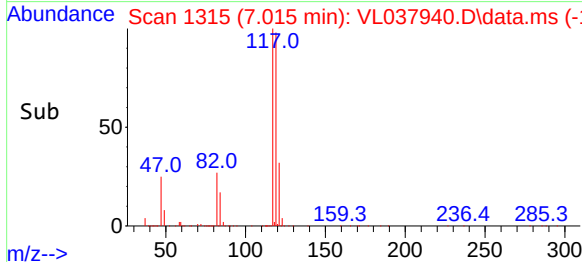


Tgt Ion: 117 Resp: 369244  
Ion Ratio Lower Upper  
117 100  
119 98.6 76.6 114.8  
121 32.0 25.1 37.7

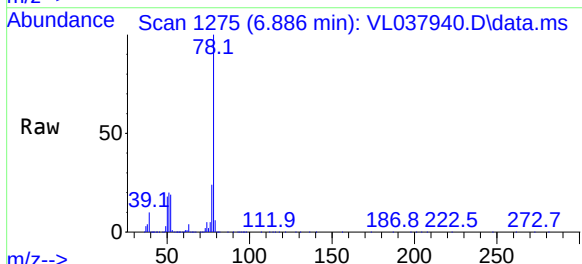
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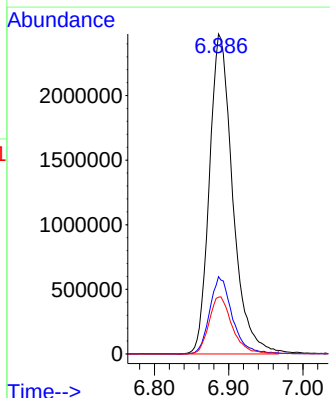
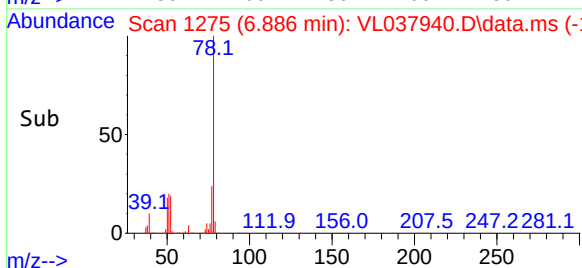
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021

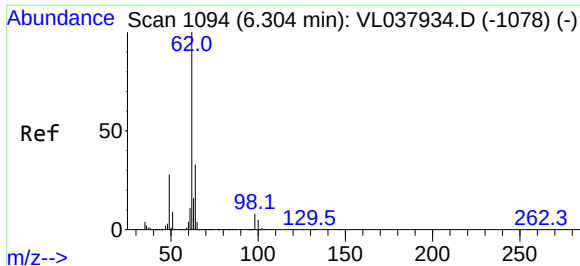


#36  
Benzene  
Concen: 13.510 ppbv  
RT: 6.886 min Scan# 1275  
Delta R.T. -0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10



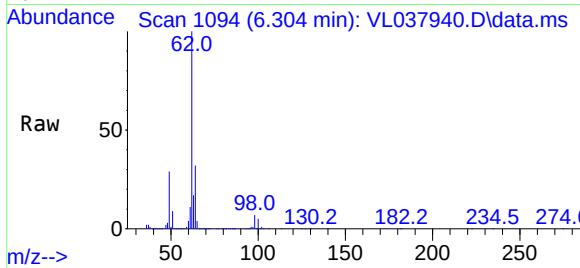
Tgt Ion: 78 Resp: 5394399  
Ion Ratio Lower Upper  
78 100  
77 24.2 17.9 26.9  
50 17.7 14.4 21.6





#37  
1,2-Dichloroethane  
Concen: 13.820 ppbv  
RT: 6.304 min Scan# 1094  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

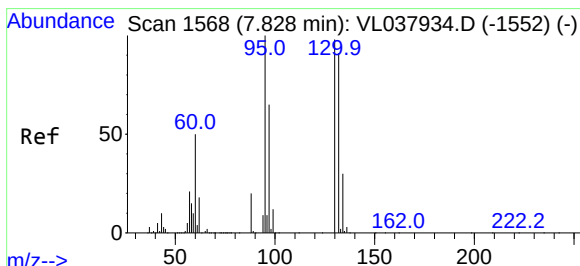
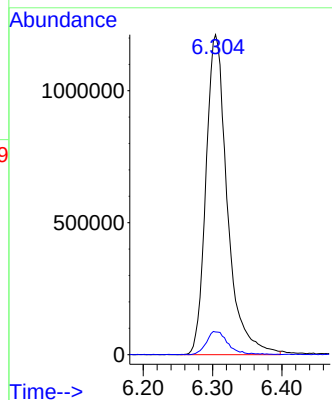
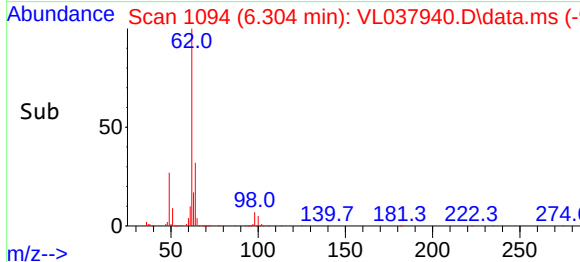


Tgt Ion: 62 Resp: 259844

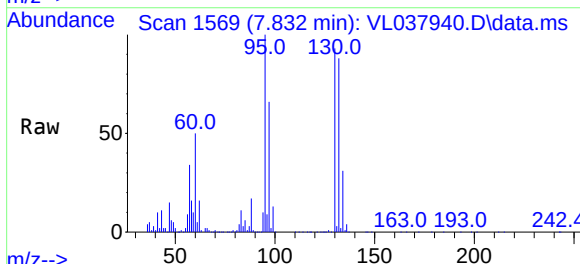
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 7.5   | 6.5   | 9.7   |

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Supervised By :Mahesh Dadoda 11/10/2021

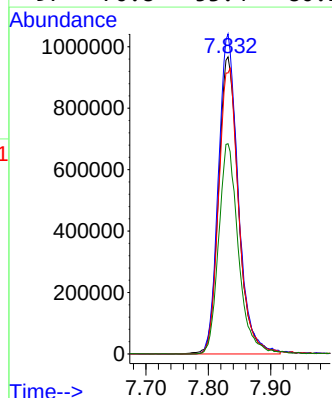
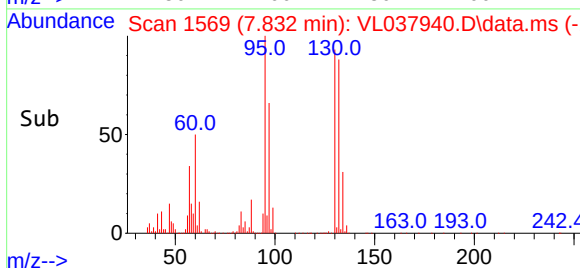


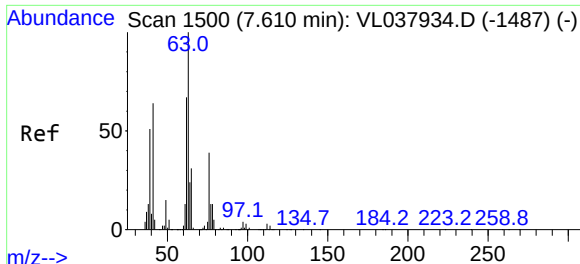
#38  
Trichloroethene  
Concen: 13.598 ppbv  
RT: 7.832 min Scan# 1569  
Delta R.T. 0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10



Tgt Ion:130 Resp: 2145161

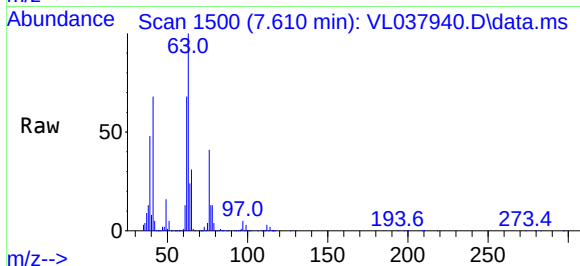
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 130 | 100   |       |       |
| 95  | 107.7 | 81.8  | 122.8 |
| 132 | 94.6  | 74.2  | 111.2 |
| 97  | 70.8  | 53.4  | 80.2  |





#39  
1,2-Dichloropropane  
Concen: 13.923 ppbv  
RT: 7.610 min Scan# 1500  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

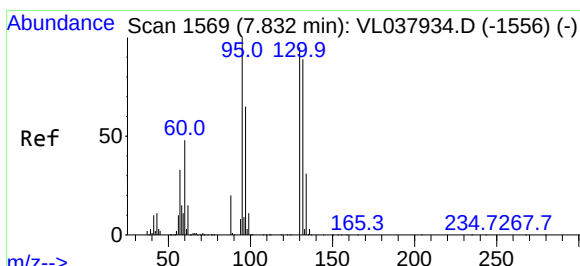
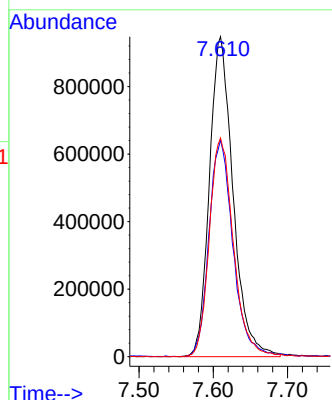
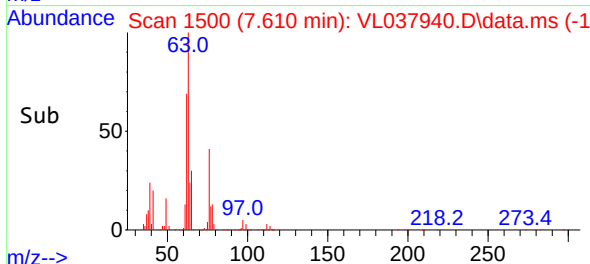


Tgt Ion: 63 Resp: 209120

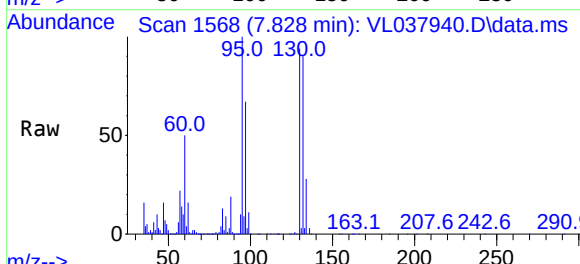
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 41  | 67.7  | 51.6  | 77.4  |
| 62  | 68.4  | 53.5  | 80.3  |

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Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021

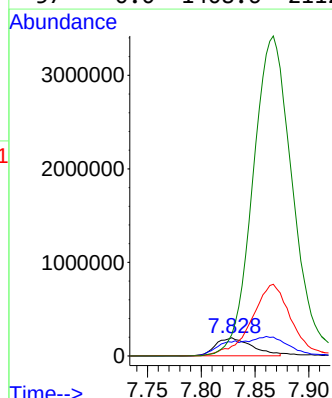
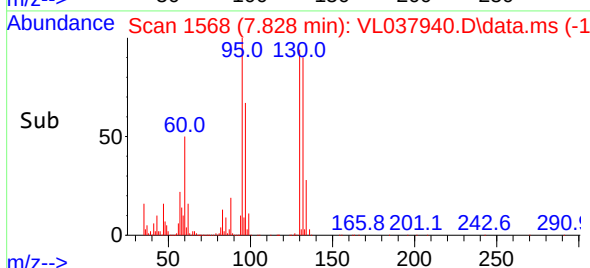


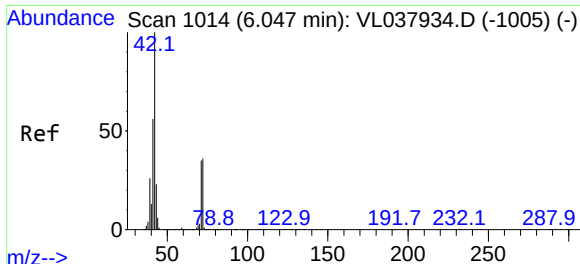
#40  
1,4-Dioxane  
Concen: 12.076 ppbv  
RT: 7.828 min Scan# 1568  
Delta R.T. -0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10



Tgt Ion: 88 Resp: 453861

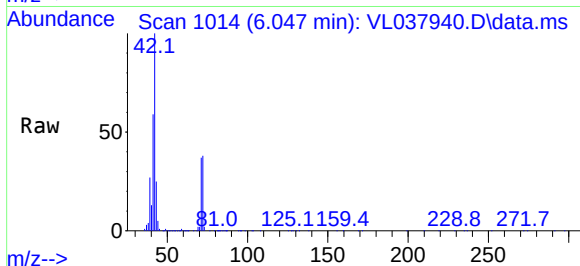
| Ion | Ratio | Lower  | Upper   |
|-----|-------|--------|---------|
| 88  | 100   |        |         |
| 58  | 0.0   | 129.1  | 193.7#  |
| 43  | 0.0   | 313.2  | 469.8#  |
| 57  | 0.0   | 1408.6 | 2112.8# |





#41  
Tetrahydrofuran  
Concen: 14.130 ppbv  
RT: 6.047 min Scan# 1014  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

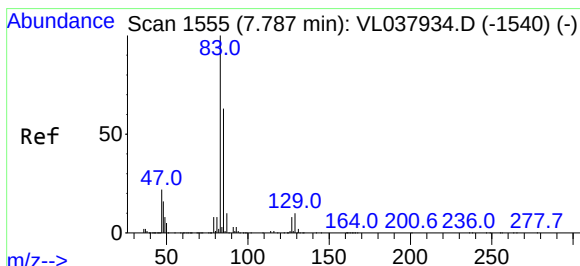
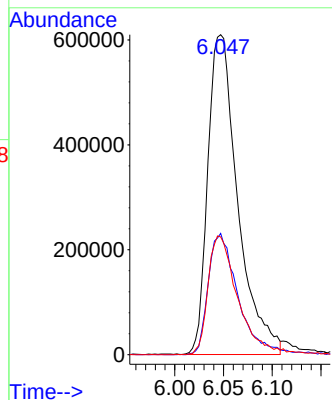
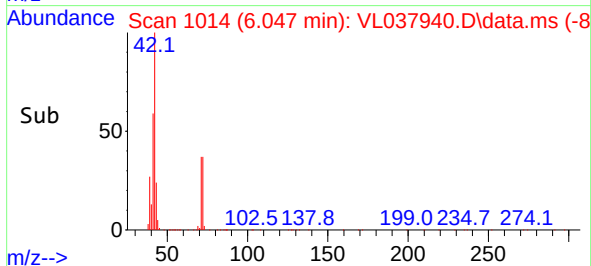


Tgt Ion: 42 Resp: 130580

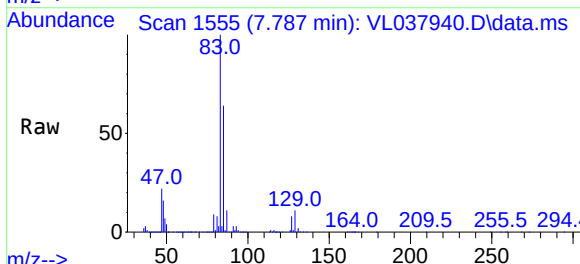
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 38.2  | 31.5  | 47.3  |
| 71  | 37.5  | 30.5  | 45.7  |

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Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021

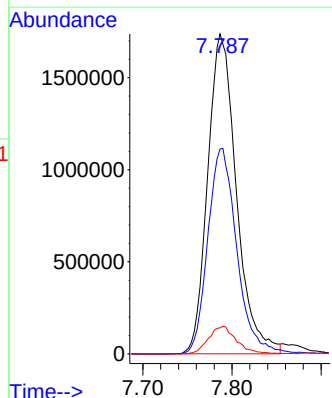
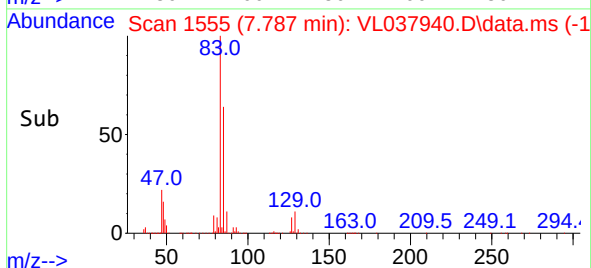


#42  
Bromodichloromethane  
Concen: 14.058 ppbv  
RT: 7.787 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

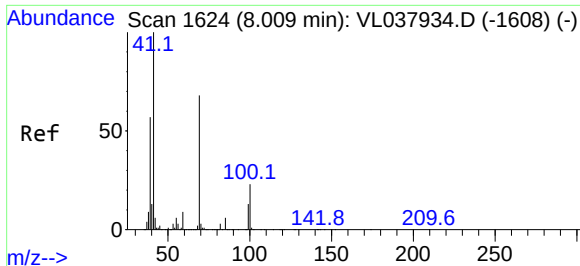


Tgt Ion: 83 Resp: 3882257

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 64.0  | 50.1  | 75.1  |
| 127 | 8.1   | 6.1   | 9.1   |







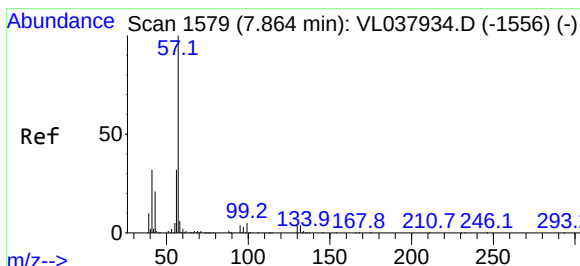
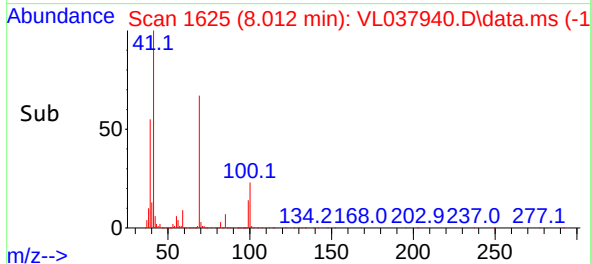
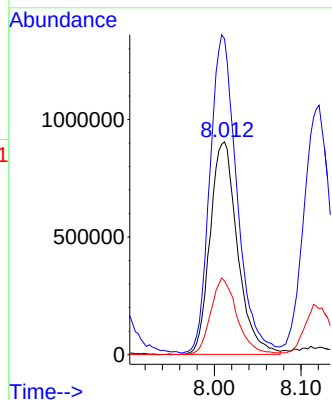
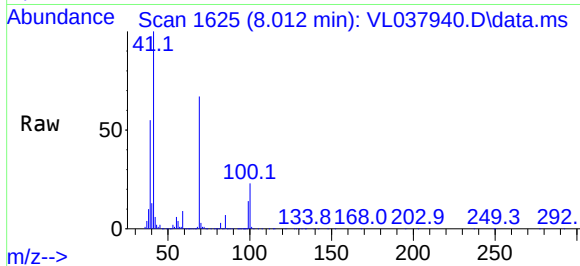
#43  
Methyl Methacrylate  
Concen: 15.216 ppbv  
RT: 8.012 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

Tgt Ion: 69 Resp: 198444  
Ion Ratio Lower Upper  
69 100  
41 148.5 117.4 176.2  
100 34.9 27.8 41.6

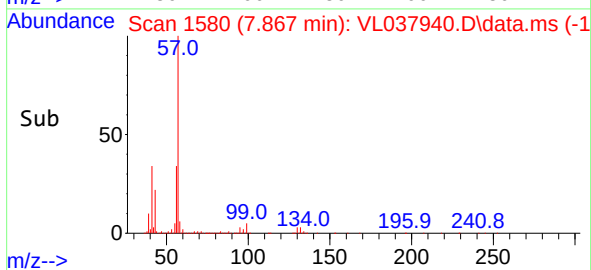
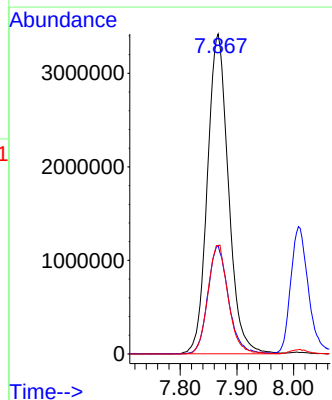
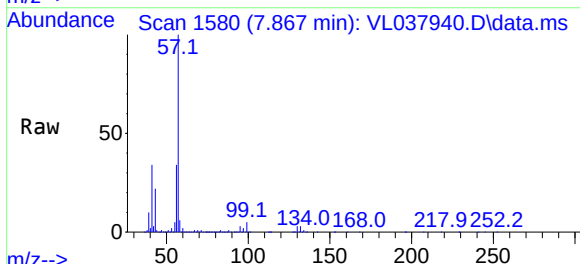
Manual Integrations  
APPROVED

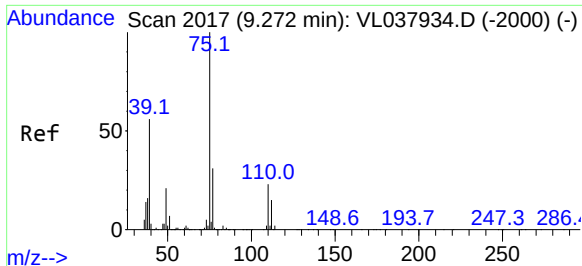
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021



#44  
2,2,4-Trimethylpentane  
Concen: 13.144 ppbv  
RT: 7.867 min Scan# 1580  
Delta R.T. 0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

Tgt Ion: 57 Resp: 8818099  
Ion Ratio Lower Upper  
57 100  
41 33.0 25.8 38.8  
56 32.9 25.9 38.9





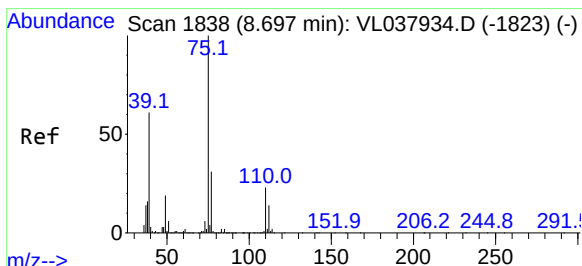
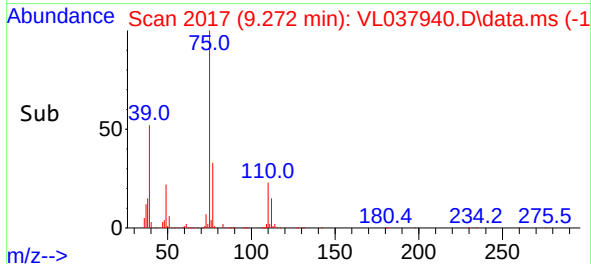
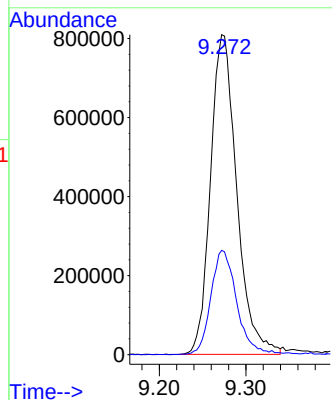
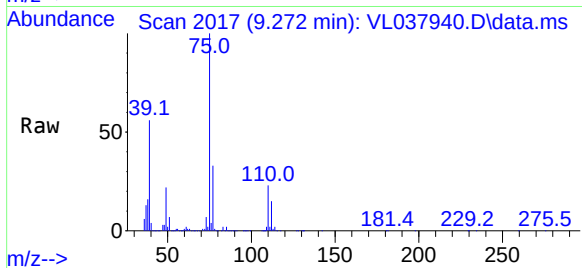
#45  
t-1,3-Dichloropropene  
Concen: 19.006 ppbv  
RT: 9.272 min Scan# 2017  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

Tgt Ion: 75 Resp: 170554  
Ion Ratio Lower Upper  
75 100  
77 32.6 25.2 37.8

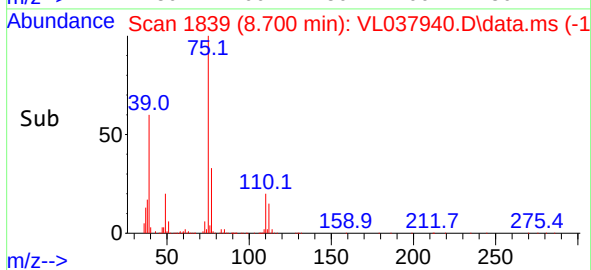
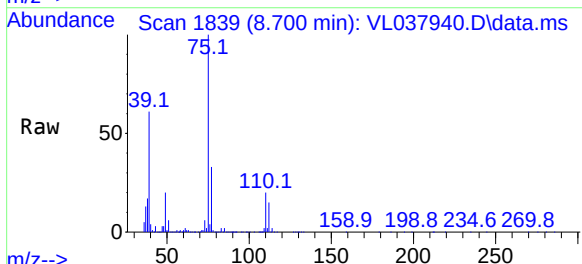
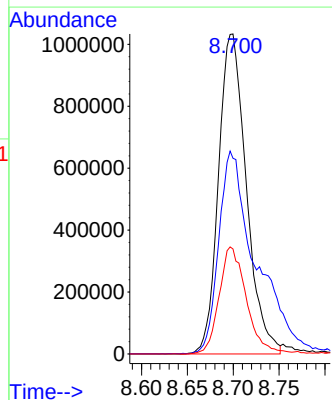
Manual Integrations  
APPROVED

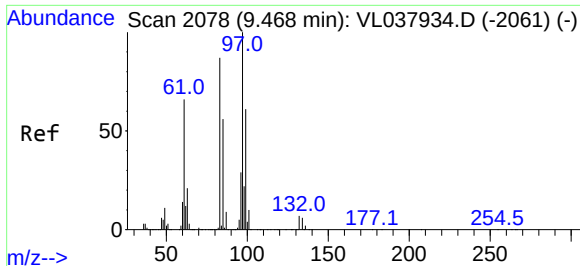
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021



#46  
cis-1,3-Dichloropropene  
Concen: 17.519 ppbv  
RT: 8.700 min Scan# 1839  
Delta R.T. 0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

Tgt Ion: 75 Resp: 2179068  
Ion Ratio Lower Upper  
75 100  
39 61.1 48.8 73.2  
77 32.8 24.6 36.8





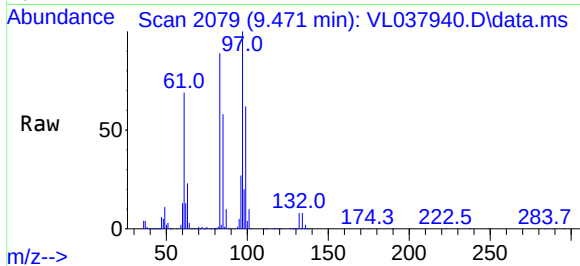
#47  
1,1,2-Trichloroethane  
Concen: 13.535 ppbv  
RT: 9.471 min Scan# 2078  
Delta R.T. 0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015



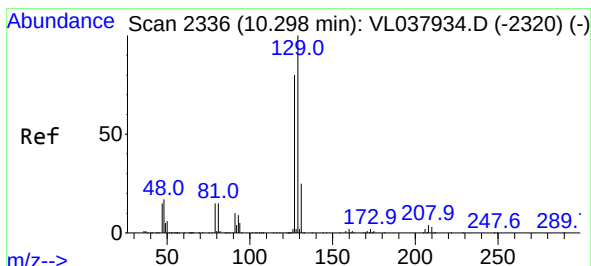
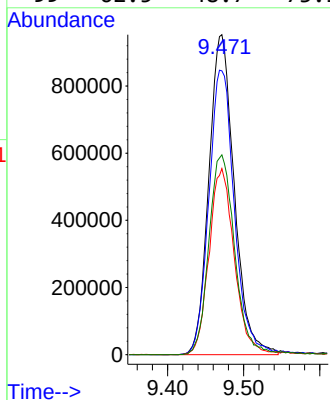
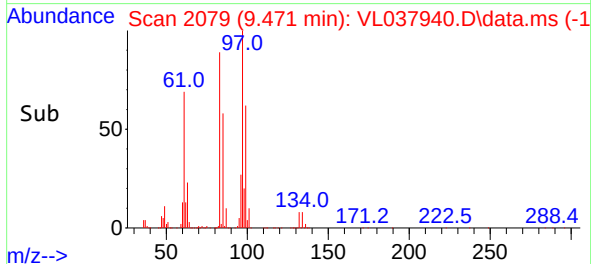
Tgt Ion: 97 Resp: 220988

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 88.7  | 69.4  | 104.2 |
| 85  | 58.1  | 45.0  | 67.6  |
| 99  | 62.5  | 48.7  | 73.1  |

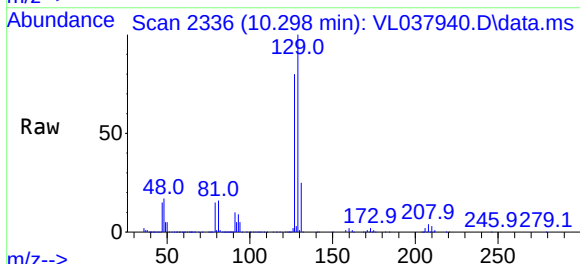
Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021

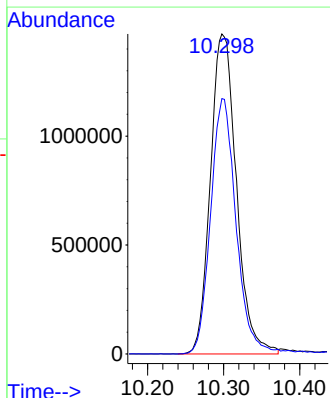
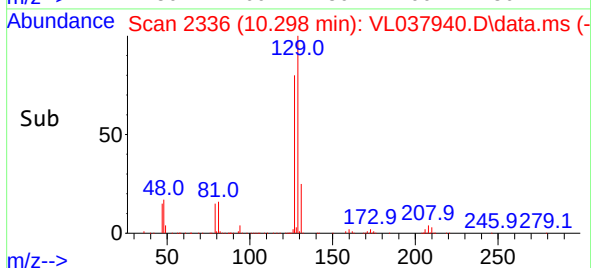


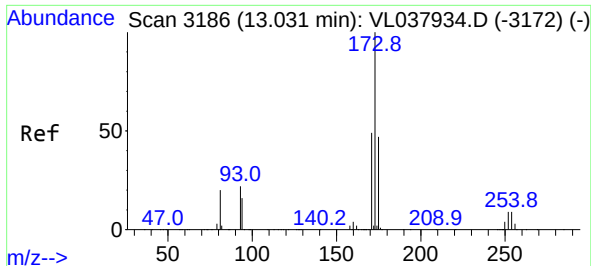
#48  
Dibromochloromethane  
Concen: 15.007 ppbv  
RT: 10.298 min Scan# 2336  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10



Tgt Ion:129 Resp: 3493116

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 79.5  | 40.3  | 120.9 |





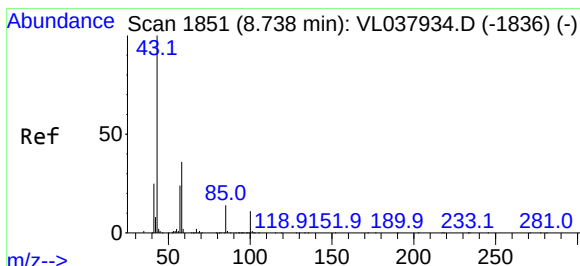
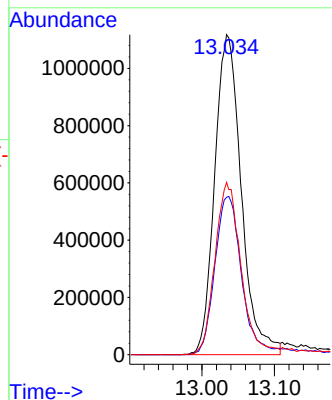
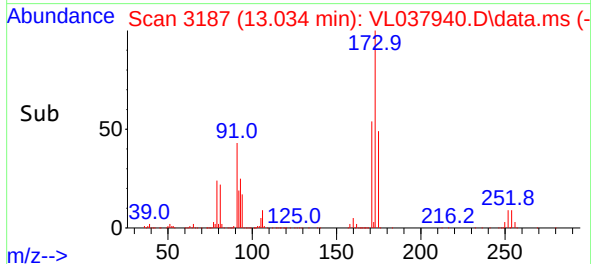
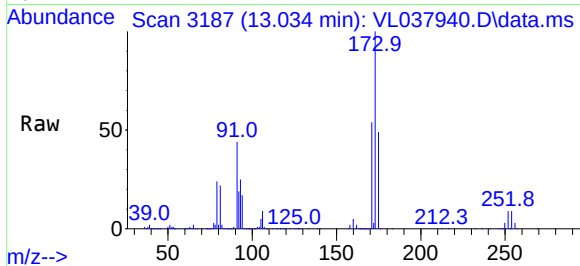
#49  
Bromoform  
Concen: 15.993 ppbv  
RT: 13.034 min Scan# 3186  
Delta R.T. 0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

Tgt Ion:173 Resp: 2848378  
Ion Ratio Lower Upper  
173 100  
175 52.8 39.5 59.3  
171 56.0 43.6 65.4

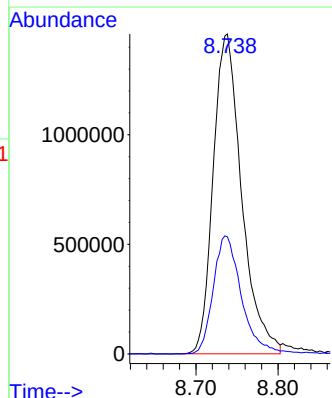
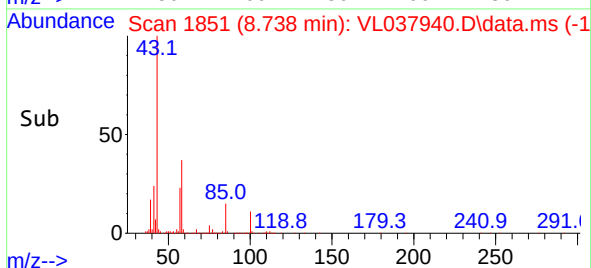
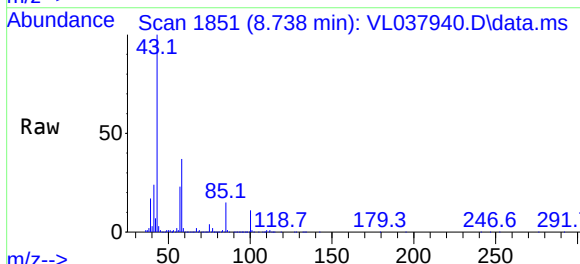
Manual Integrations  
APPROVED

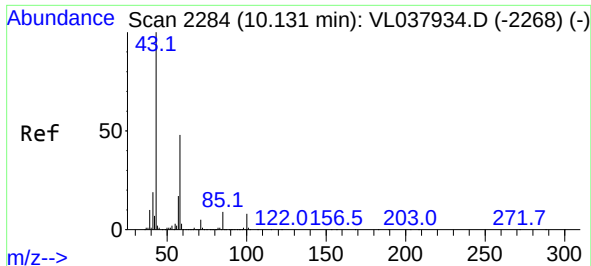
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021



#50  
4-Methyl-2-Pentanone  
Concen: 14.322 ppbv  
RT: 8.738 min Scan# 1851  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

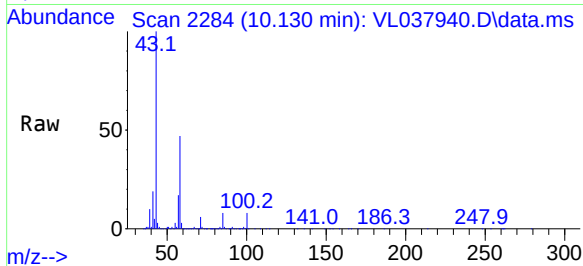
Tgt Ion: 43 Resp: 3518802  
Ion Ratio Lower Upper  
43 100  
58 37.0 28.8 43.2





#51  
2-Hexanone  
Concen: 15.202 ppbv  
RT: 10.130 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

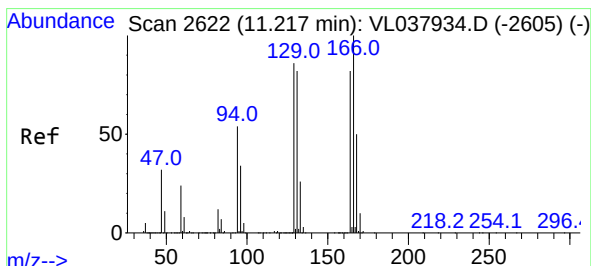
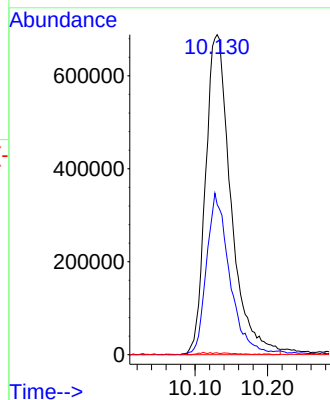
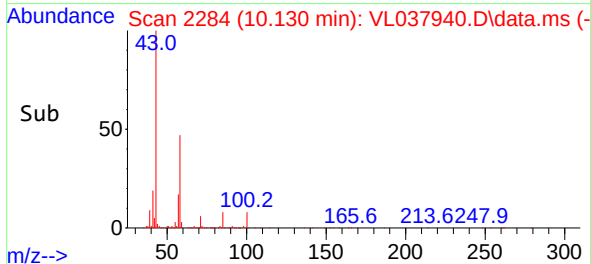
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC015



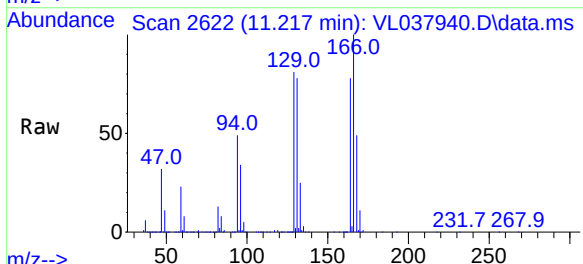
Tgt Ion: 43 Resp: 1667372  
Ion Ratio Lower Upper  
43 100  
58 47.3 38.6 57.8  
98 0.8 1.0 1.4

Manual Integrations  
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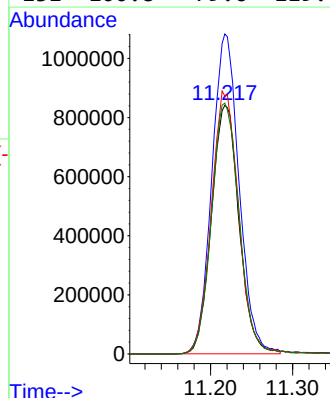
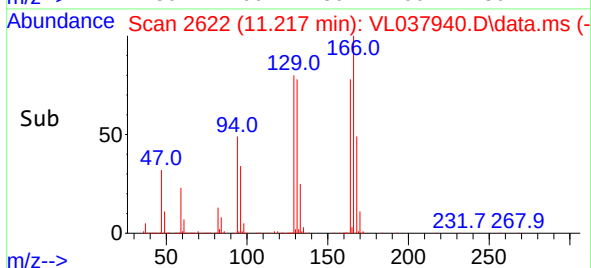
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021

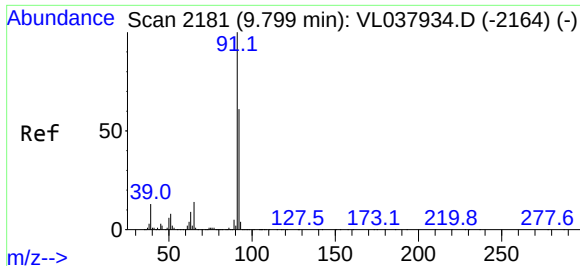


#52  
Tetrachloroethene  
Concen: 12.615 ppbv  
RT: 11.217 min Scan# 2622  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10



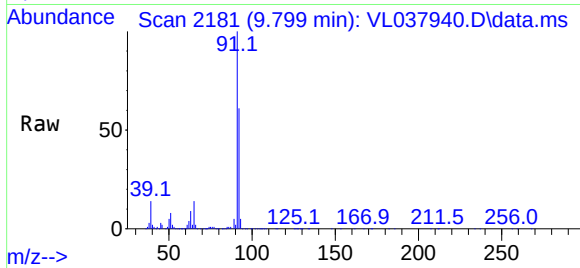
Tgt Ion:164 Resp: 1959810  
Ion Ratio Lower Upper  
164 100  
166 128.7 97.6 146.4  
129 103.6 84.2 126.2  
131 100.8 79.6 119.4





#53  
Toluene  
Concen: 14.035 ppbv  
RT: 9.799 min Scan# 2181  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

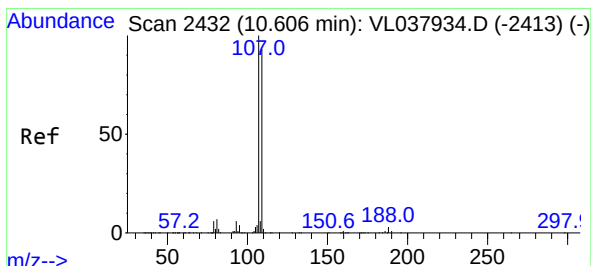
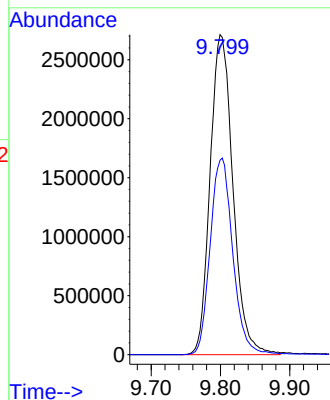
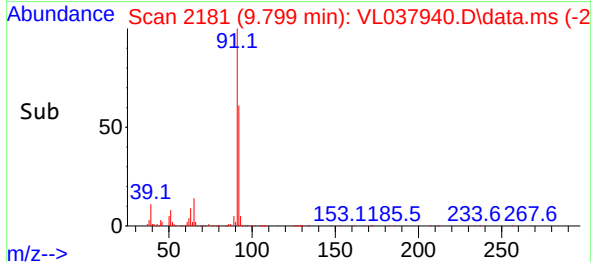
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



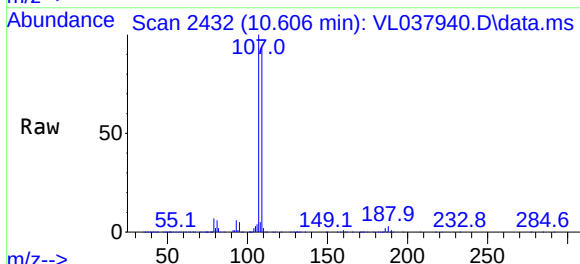
Tgt Ion: 91 Resp: 621068  
Ion Ratio Lower Upper  
91 100  
92 61.1 48.2 72.4

Manual Integrations  
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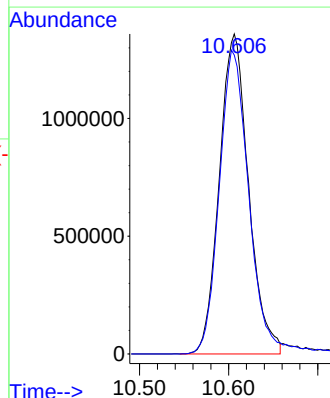
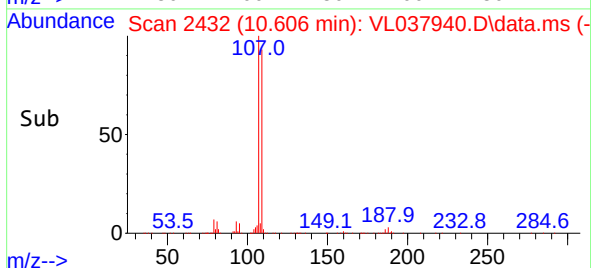
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021

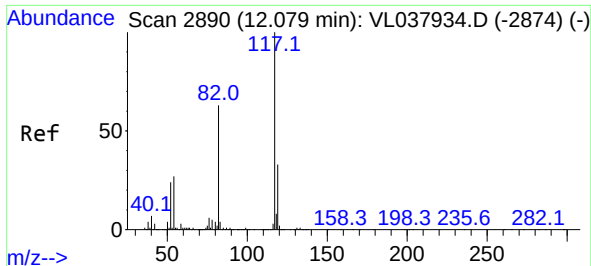


#54  
1,2-Dibromoethane  
Concen: 14.040 ppbv  
RT: 10.606 min Scan# 2432  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10



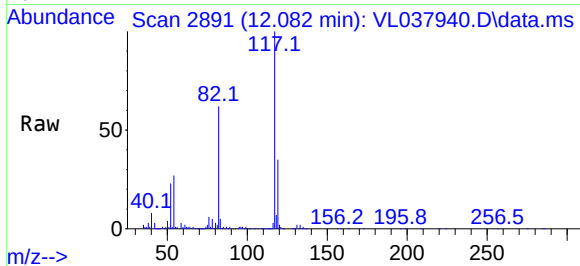
Tgt Ion:107 Resp: 3096427  
Ion Ratio Lower Upper  
107 100  
109 93.4 74.5 111.7





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.082 min Scan# 2891  
Delta R.T. 0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

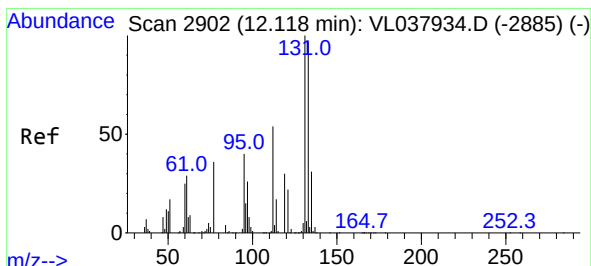
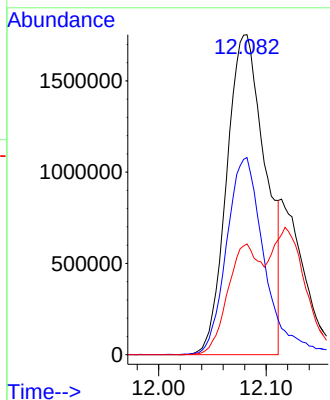
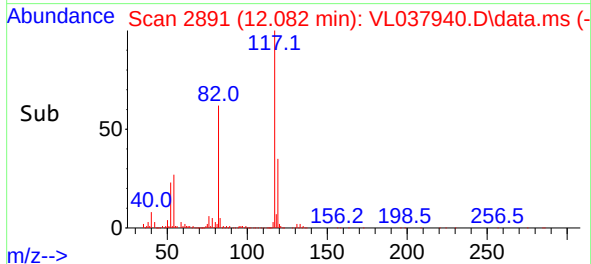
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



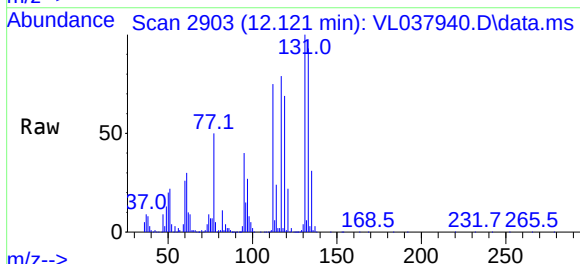
Tgt Ion:117 Resp: 4397768  
Ion Ratio Lower Upper  
117 100  
82 62.5 51.0 76.6  
119 27.5 26.9 40.3

Manual Integrations  
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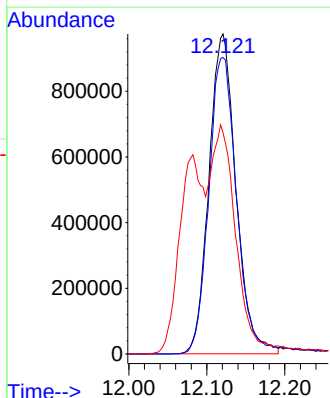
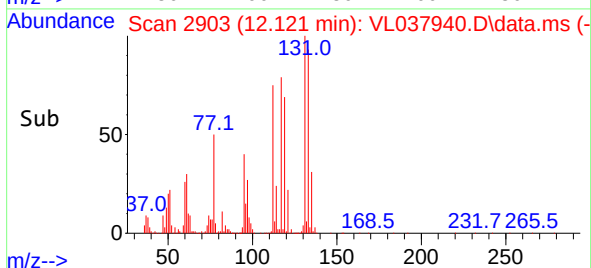
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021

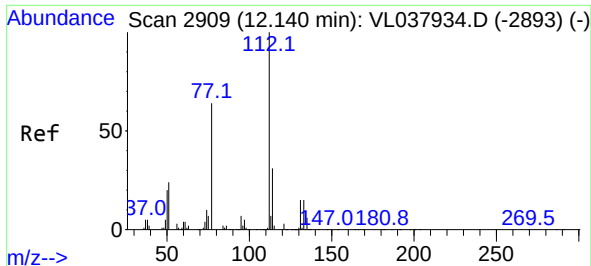


#56  
1,1,1,2-Tetrachloroethane  
Concen: 12.905 ppbv  
RT: 12.121 min Scan# 2903  
Delta R.T. 0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10



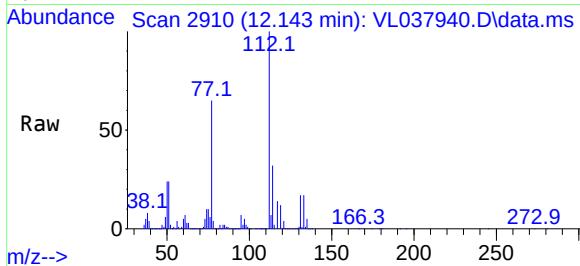
Tgt Ion:131 Resp: 2349356  
Ion Ratio Lower Upper  
131 100  
133 98.7 79.6 119.4  
119 68.0 125.4 188.2#





#57  
Chlorobenzene  
Concen: 12.432 ppbv  
RT: 12.143 min Scan# 2909  
Delta R.T. 0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

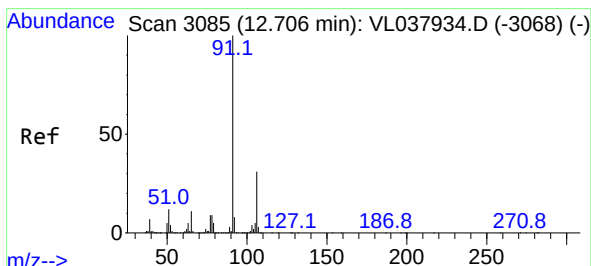
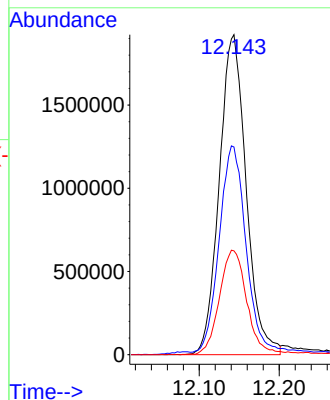
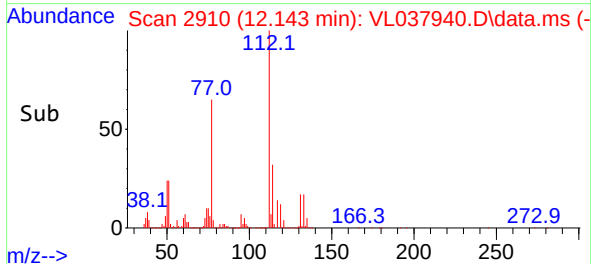
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



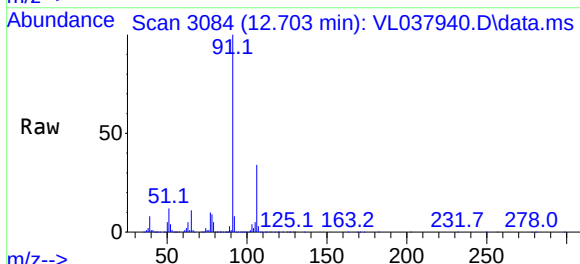
Tgt Ion:112 Resp: 4485130  
Ion Ratio Lower Upper  
112 100  
77 64.1 51.1 76.7  
114 32.5 27.9 34.1

Manual Integrations  
APPROVED

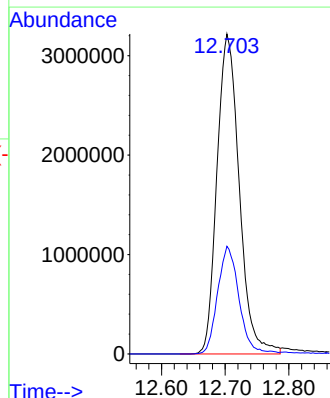
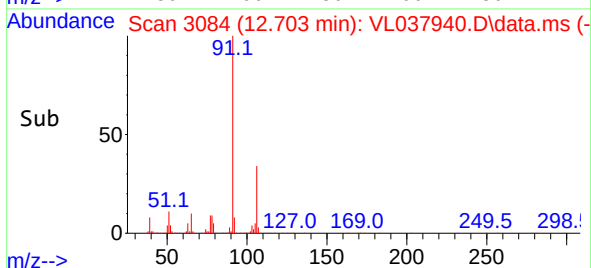
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021



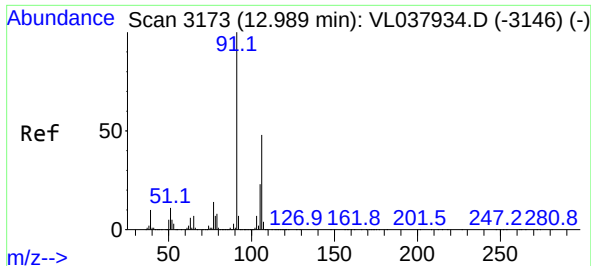
#58  
Ethyl Benzene  
Concen: 13.250 ppbv  
RT: 12.703 min Scan# 3084  
Delta R.T. -0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10



Tgt Ion: 91 Resp: 7824698  
Ion Ratio Lower Upper  
91 100  
106 33.6 25.1 37.7

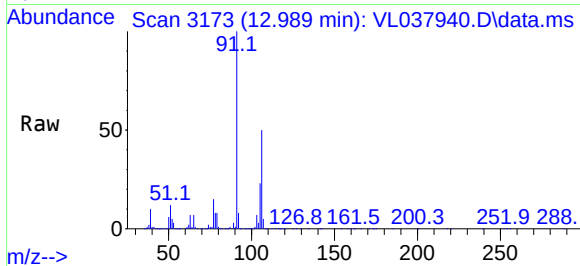






#59  
m/p-Xylene  
Concen: 26.013 ppbv m  
RT: 12.989 min Scan# 3173  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

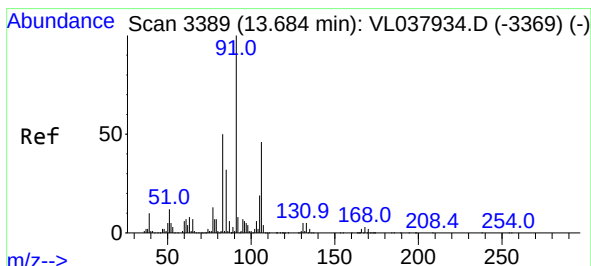
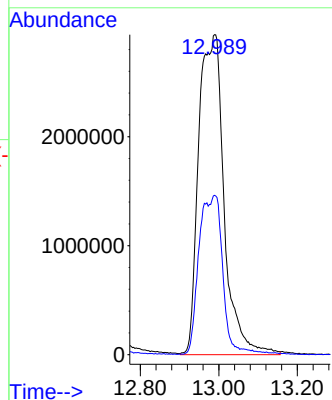
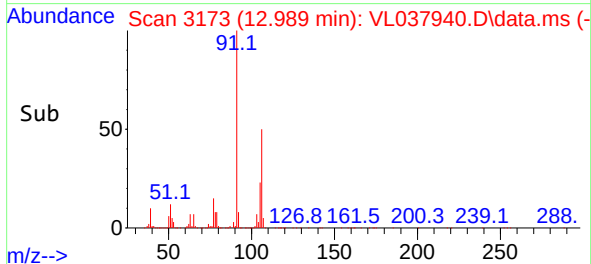
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



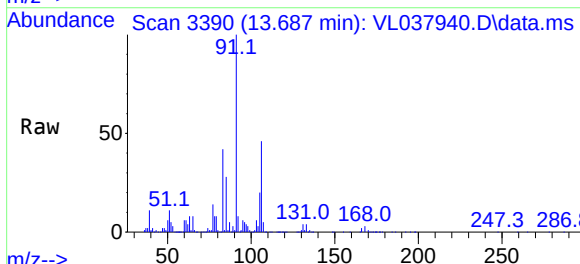
Tgt Ion: 91 Resp:1318598  
Ion Ratio Lower Upper  
91 100  
106 46.9 37.1 55.7

Manual Integrations  
APPROVED

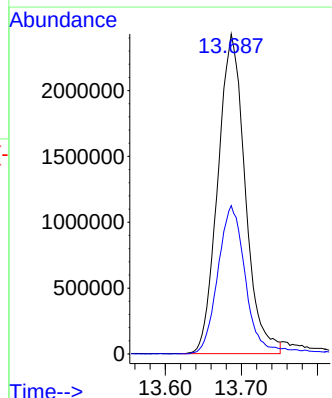
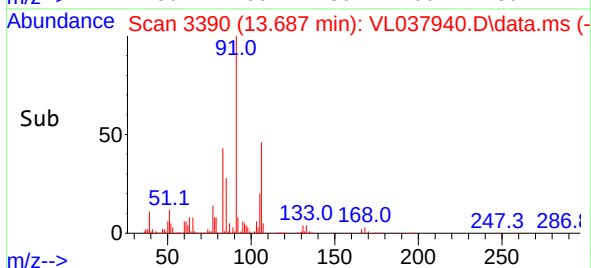
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021

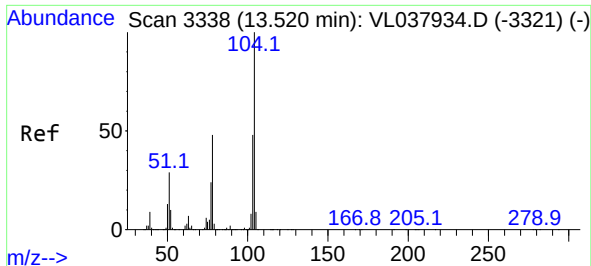


#60  
o-Xylene  
Concen: 12.469 ppbv  
RT: 13.687 min Scan# 3390  
Delta R.T. 0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10



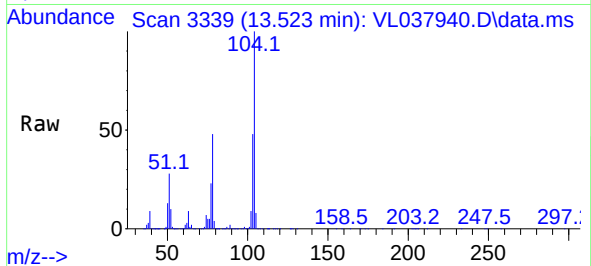
Tgt Ion: 91 Resp: 6057499  
Ion Ratio Lower Upper  
91 100  
106 48.3 23.5 70.6





#61  
Styrene  
Concen: 14.965 ppbv  
RT: 13.523 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

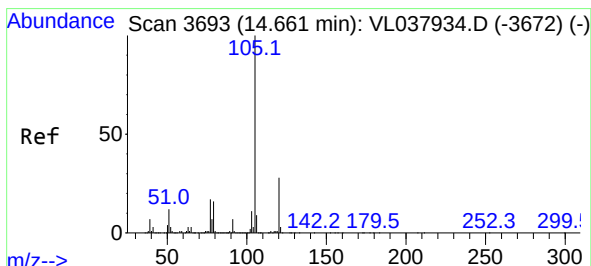
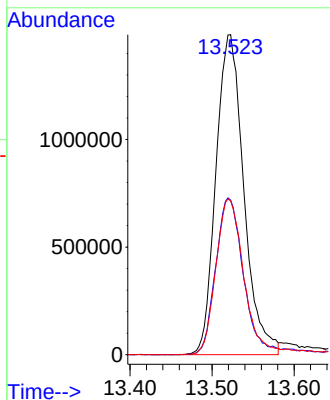
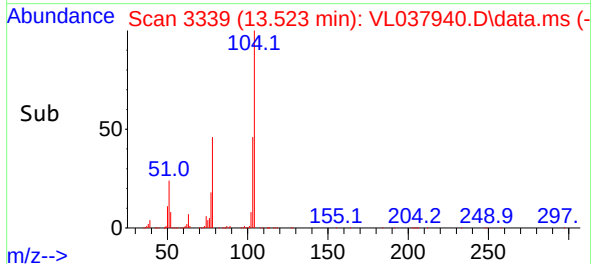
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC015



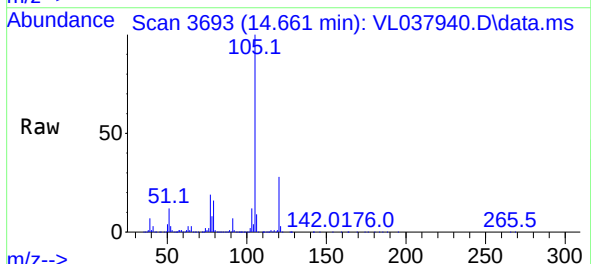
Tgt Ion:104 Resp: 3516500  
Ion Ratio Lower Upper  
104 100  
78 50.2 39.3 58.9  
103 50.0 39.6 59.4

Manual Integrations  
APPROVED

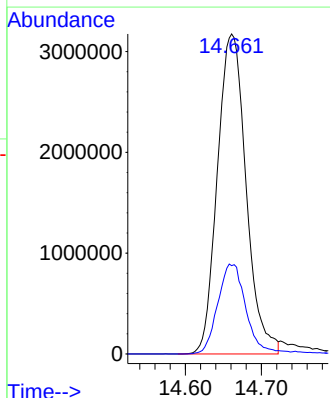
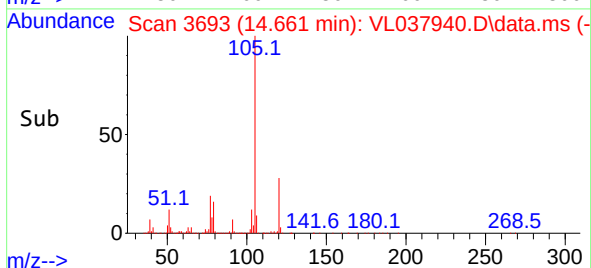
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021

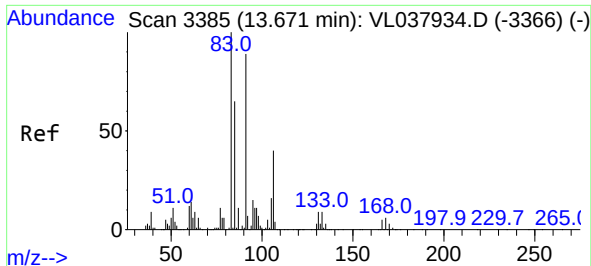


#62  
Isopropylbenzene  
Concen: 12.288 ppbv  
RT: 14.661 min Scan# 3693  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10



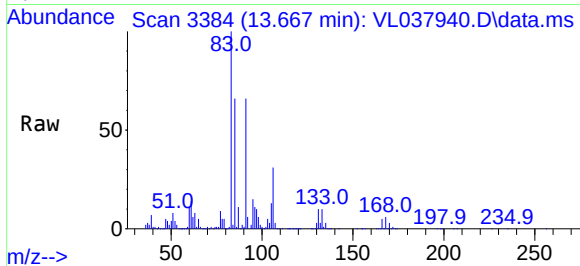
Tgt Ion:105 Resp: 8326096  
Ion Ratio Lower Upper  
105 100  
120 28.2 21.8 32.6





#63  
1,1,2,2-Tetrachloroethane  
Concen: 11.879 ppbv  
RT: 13.667 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

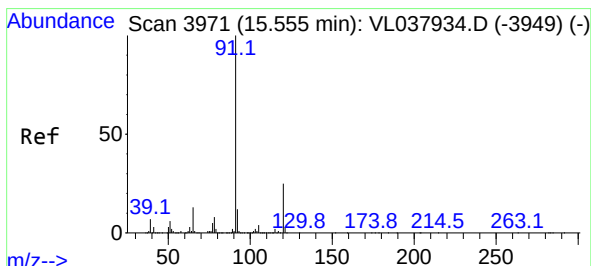
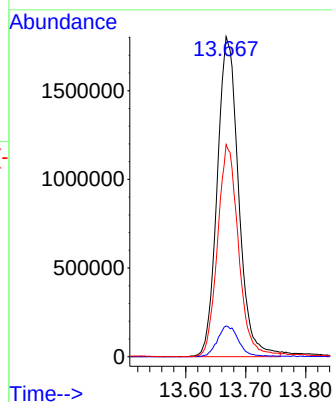
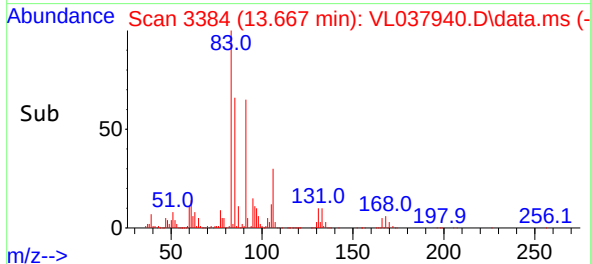
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



Tgt Ion: 83 Resp: 445319  
Ion Ratio Lower Upper  
83 100  
131 9.7 4.8 14.4  
85 66.1 32.5 97.5

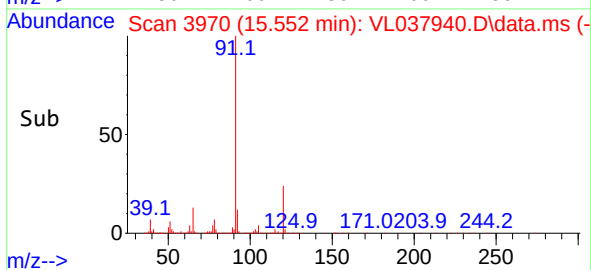
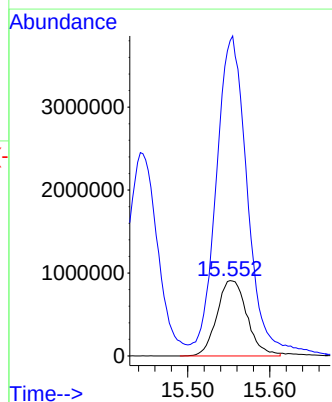
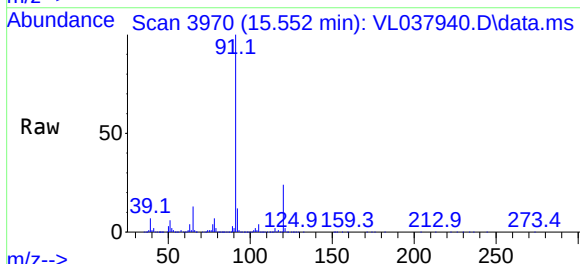
Manual Integrations  
APPROVED

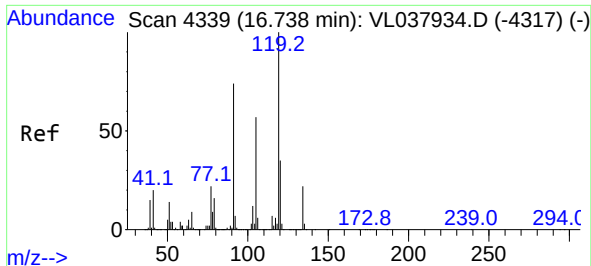
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021



#64  
n-propylbenzene  
Concen: 13.727 ppbv  
RT: 15.552 min Scan# 3970  
Delta R.T. -0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

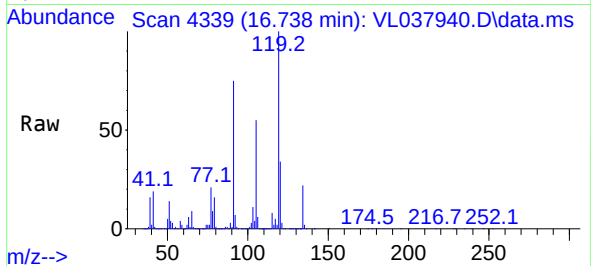
Tgt Ion:120 Resp: 2319545  
Ion Ratio Lower Upper  
120 100  
91 443.5 363.3 544.9





#65  
tert-Butylbenzene  
Concen: 12.171 ppbv  
RT: 16.738 min Scan# 411  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

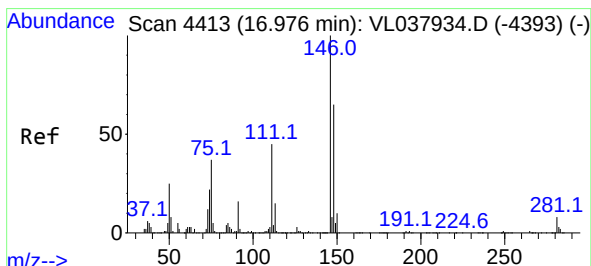
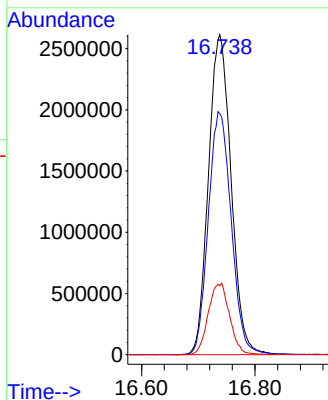
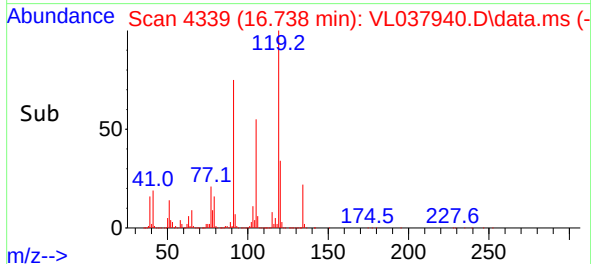
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



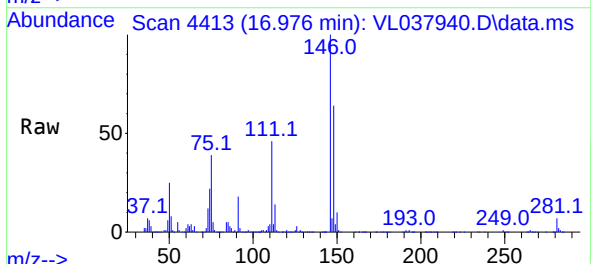
Tgt Ion: 119 Resp: 7257639  
Ion Ratio Lower Upper  
119 100  
91 76.8 61.8 92.6  
134 21.1 16.6 25.0

Manual Integrations  
APPROVED

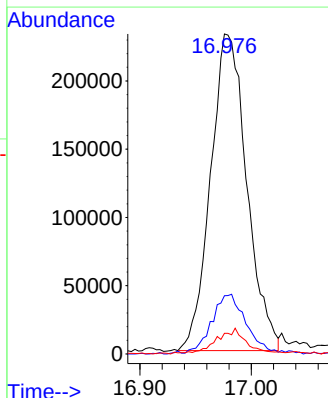
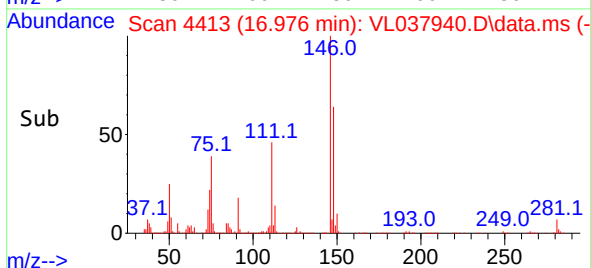
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021

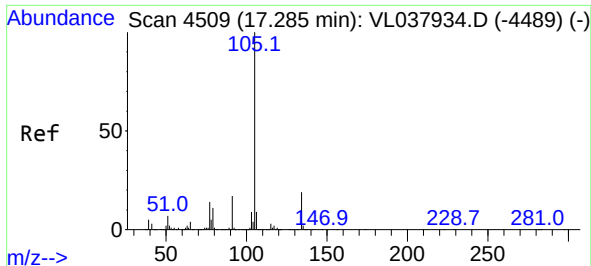


#66  
Benzyl Chloride  
Concen: 17.770 ppbv  
RT: 16.976 min Scan# 4413  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10



Tgt Ion: 91 Resp: 522931  
Ion Ratio Lower Upper  
91 100  
126 18.6 13.8 20.6  
128 7.5 5.1 7.7





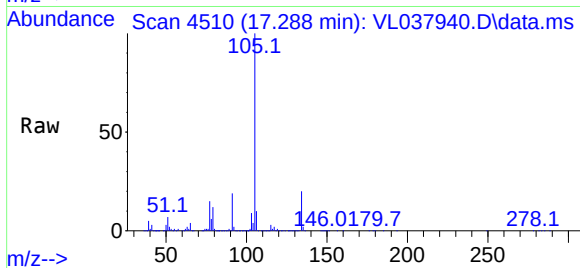
#67  
 sec-Butylbenzene  
 Concen: 12.279 ppbv  
 RT: 17.288 min Scan# 4509  
 Delta R.T. 0.003 min  
 Lab File: VL037940.D  
 Acq: 1 Nov 2021 13:10

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

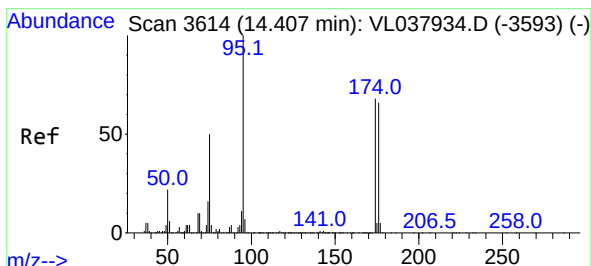
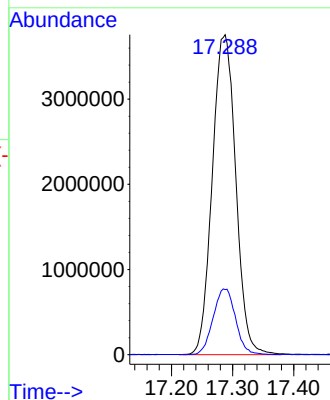
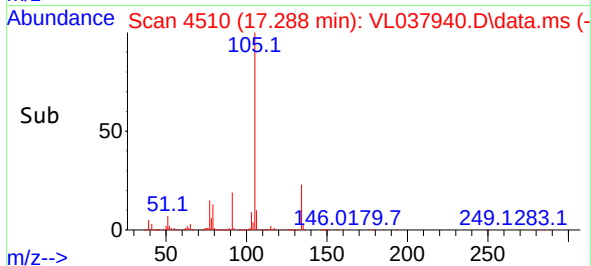


Tgt Ion:105 Resp:10013718  
 Ion Ratio Lower Upper  
 105 100  
 134 19.7 15.4 23.0

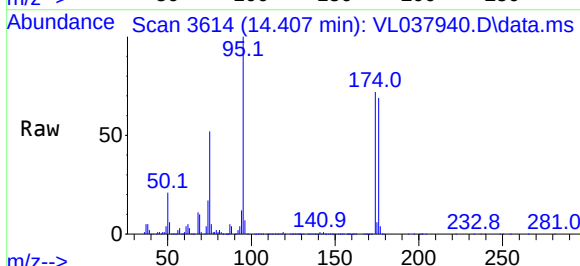
Manual Integrations

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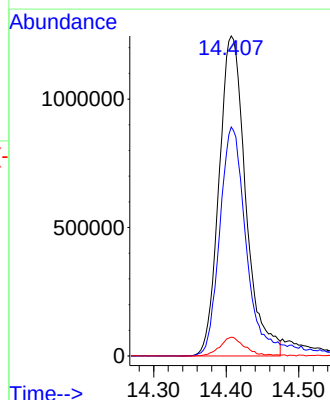
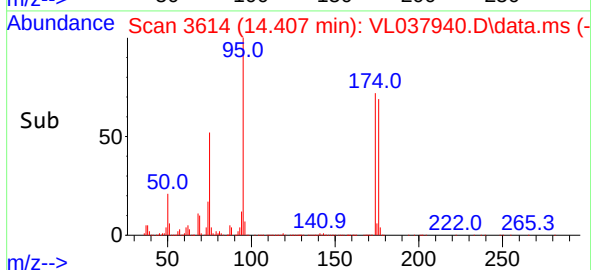
Reviewed By :Semsettin Yesilyurt 11/05/2021  
 Supervised By :Mahesh Dadoda 11/10/2021

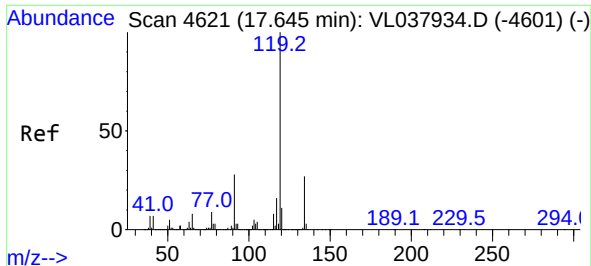


#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.355 ppbv  
 RT: 14.407 min Scan# 3614  
 Delta R.T. -0.000 min  
 Lab File: VL037940.D  
 Acq: 1 Nov 2021 13:10



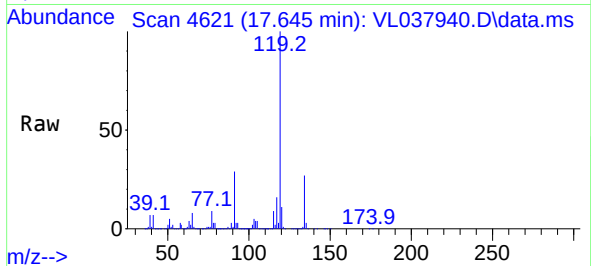
Tgt Ion: 95 Resp: 3184554  
 Ion Ratio Lower Upper  
 95 100  
 174 74.5 58.3 87.5  
 175 5.7 4.6 6.8





#69  
p-Isopropyltoluene  
Concen: 12.595 ppbv  
RT: 17.645 min Scan# 4621  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

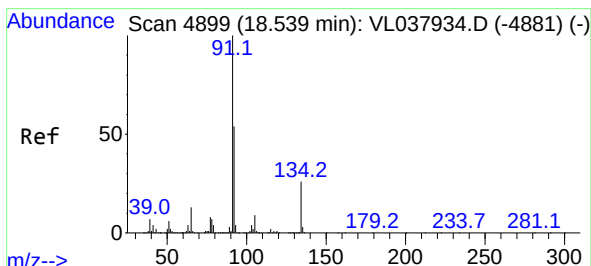
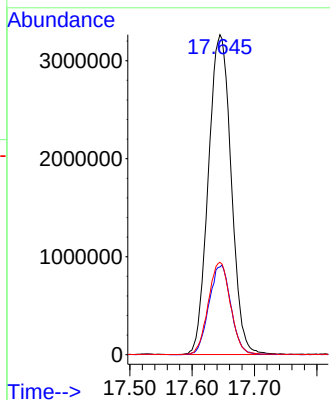
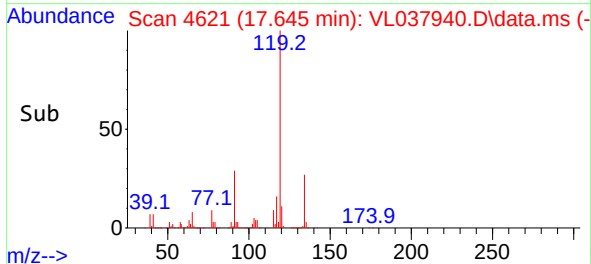
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



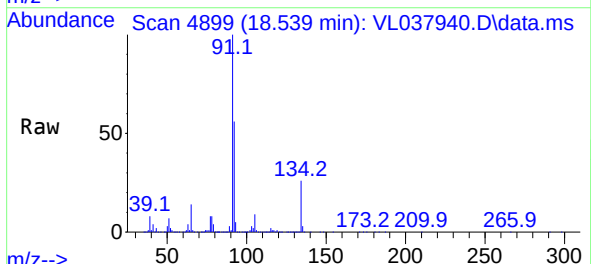
Tgt Ion: 119 Resp: 8304030  
Ion Ratio Lower Upper  
119 100  
134 27.0 21.0 31.4  
91 28.0 21.8 32.8

Manual Integrations  
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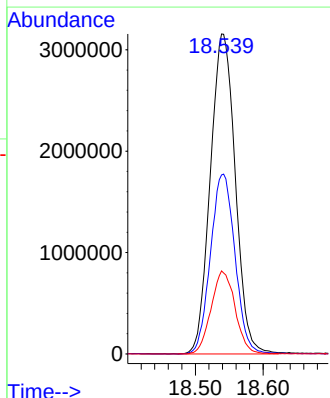
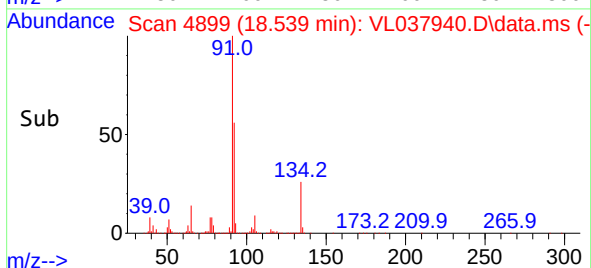
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021

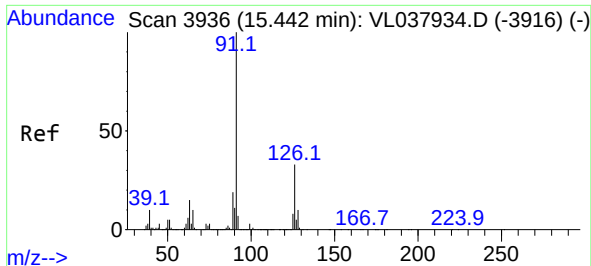


#70  
n-Butylbenzene  
Concen: 12.882 ppbv  
RT: 18.539 min Scan# 4899  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10



Tgt Ion: 91 Resp: 8068479  
Ion Ratio Lower Upper  
91 100  
92 55.4 43.6 65.4  
134 25.1 19.8 29.6





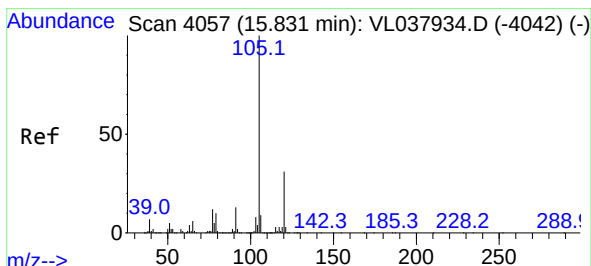
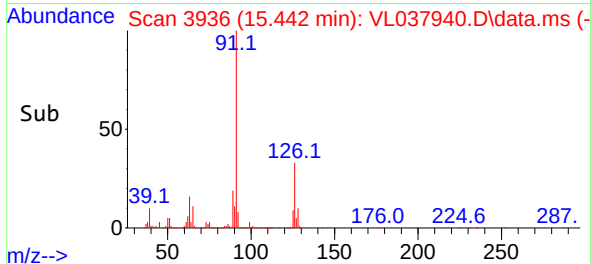
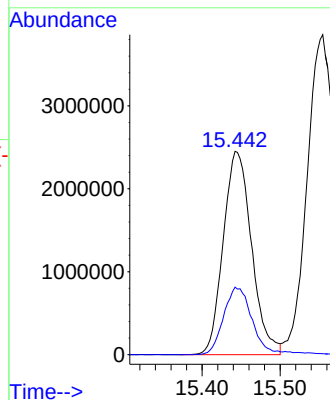
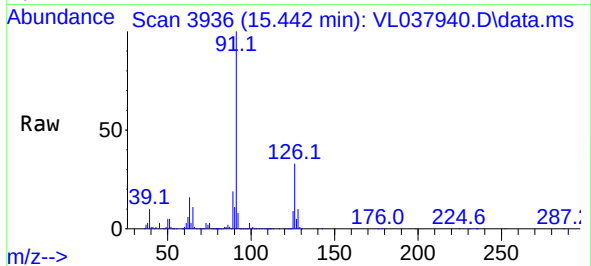
#71  
2-Chlorotoluene  
Concen: 12.959 ppbv  
RT: 15.442 min Scan# 3936  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

Tgt Ion: 91 Resp: 620066  
Ion Ratio Lower Upper  
91 100  
126 34.4 13.3 53.3

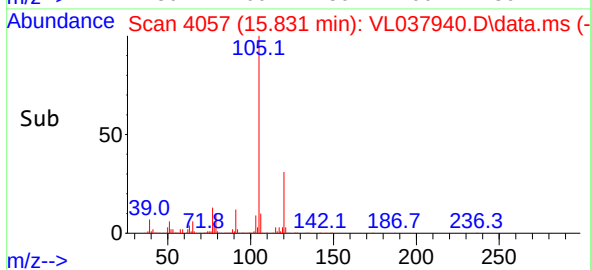
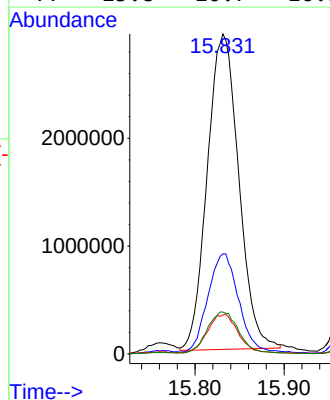
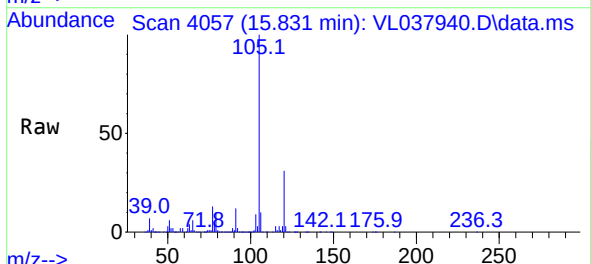
Manual Integrations  
APPROVED

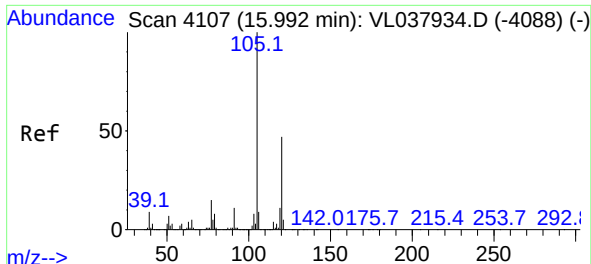
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021



#72  
4-Ethyltoluene  
Concen: 13.018 ppbv  
RT: 15.831 min Scan# 4057  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

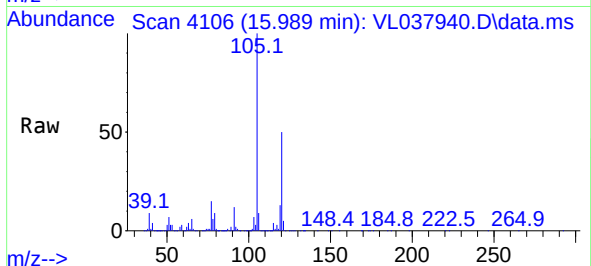
Tgt Ion:105 Resp: 7181026  
Ion Ratio Lower Upper  
105 100  
120 32.1 25.3 37.9  
91 12.3 9.9 14.9  
77 13.8 10.7 16.1





#73  
1,3,5-Trimethylbenzene  
Concen: 13.158 ppbv  
RT: 15.989 min Scan# 4106  
Delta R.T. -0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

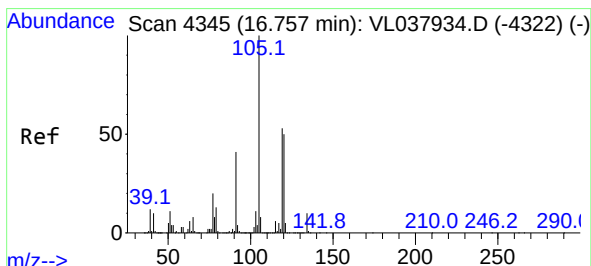
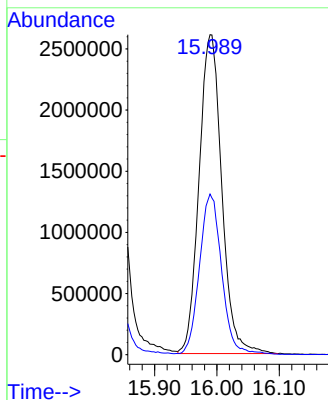
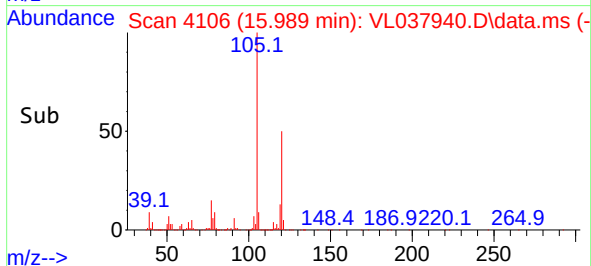
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



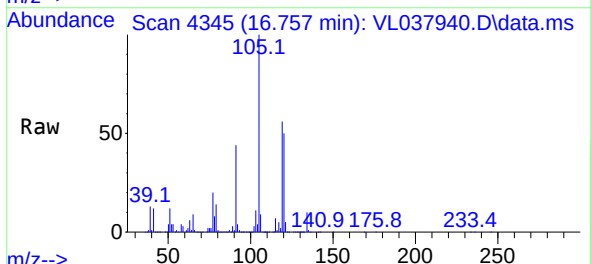
Tgt Ion:105 Resp: 659284  
Ion Ratio Lower Upper  
105 100  
120 50.2 37.9 56.9

Manual Integrations  
APPROVED

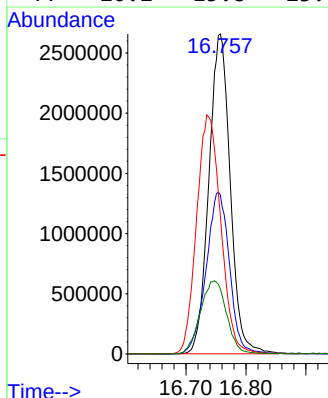
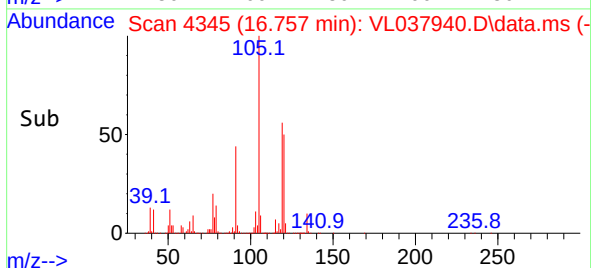
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021



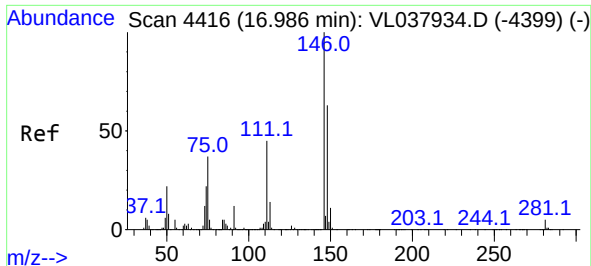
#74  
1,2,4-Trimethylbenzene  
Concen: 12.497 ppbv  
RT: 16.757 min Scan# 4345  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10



Tgt Ion:105 Resp: 6575358  
Ion Ratio Lower Upper  
105 100  
120 49.7 40.0 60.0  
91 43.4 32.6 49.0  
77 20.2 15.8 23.8

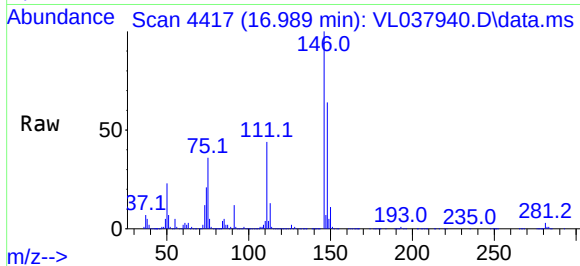






#75  
1,3-Dichlorobenzene  
Concen: 12.614 ppbv  
RT: 16.989 min Scan# 4417  
Delta R.T. 0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

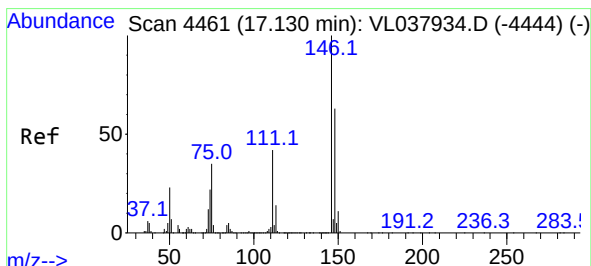
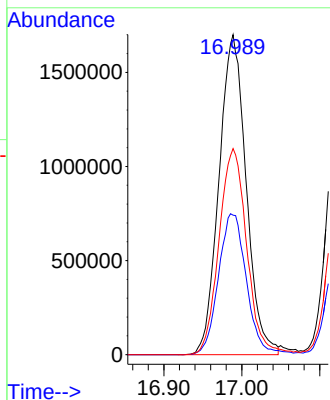
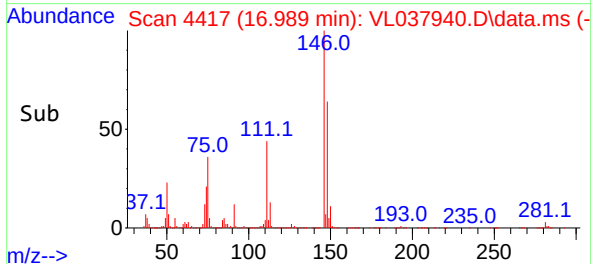
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC015



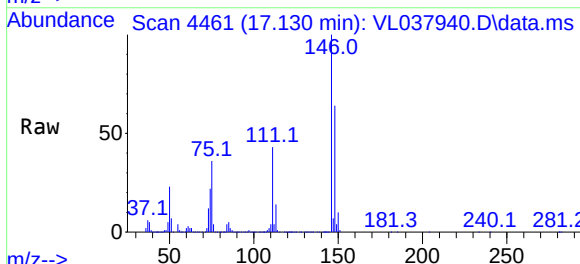
Tgt Ion:146 Resp: 4111960  
Ion Ratio Lower Upper  
146 100  
111 45.6 22.7 68.1  
148 65.9 32.4 97.0

Manual Integrations  
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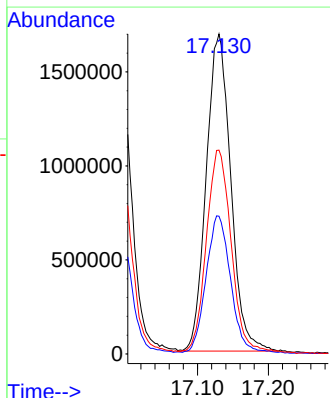
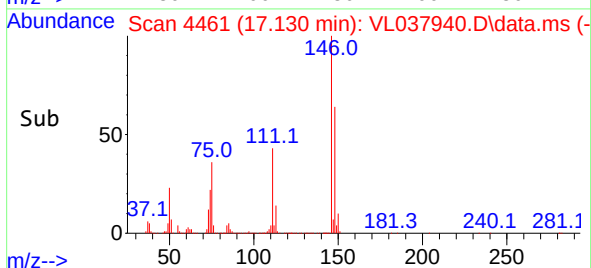
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021

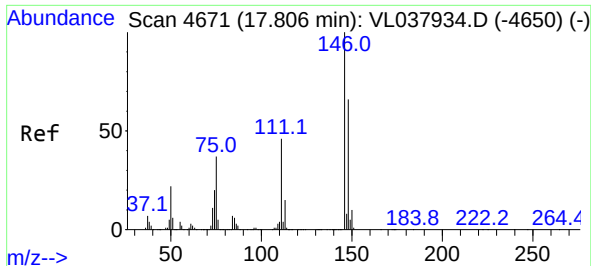


#76  
1,4-Dichlorobenzene  
Concen: 13.045 ppbv  
RT: 17.130 min Scan# 4461  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10



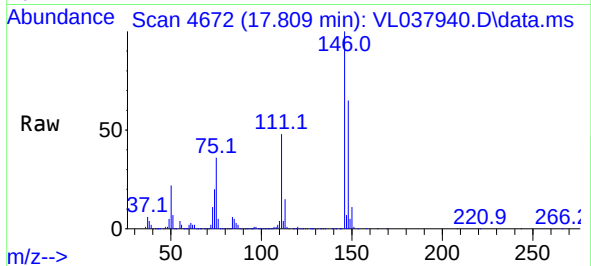
Tgt Ion:146 Resp: 4056579  
Ion Ratio Lower Upper  
146 100  
111 44.2 22.7 68.1  
148 66.3 33.5 100.4





#77  
1,2-Dichlorobenzene  
Concen: 12.363 ppbv  
RT: 17.809 min Scan# 4671  
Delta R.T. 0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

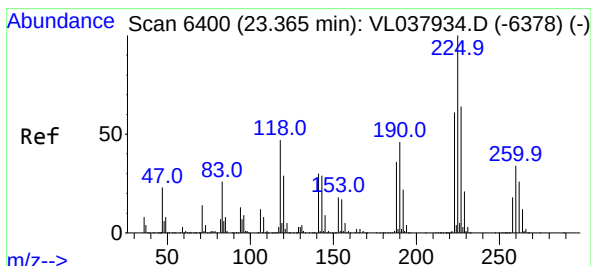
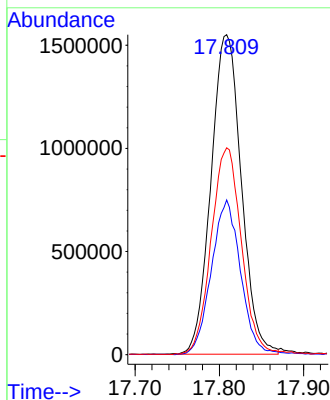
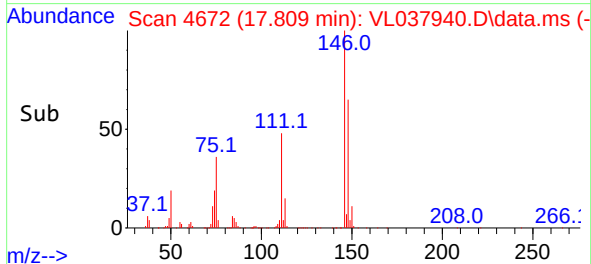
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



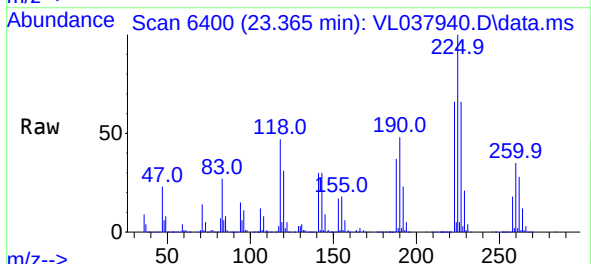
Tgt Ion:146 Resp: 387142  
Ion Ratio Lower Upper  
146 100  
111 47.0 23.4 70.2  
148 64.9 32.6 97.7

Manual Integrations  
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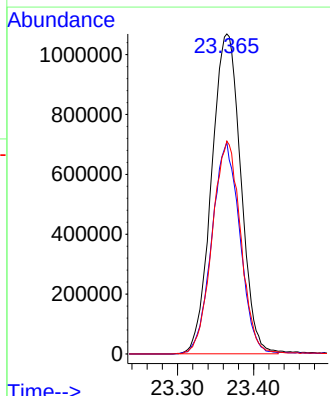
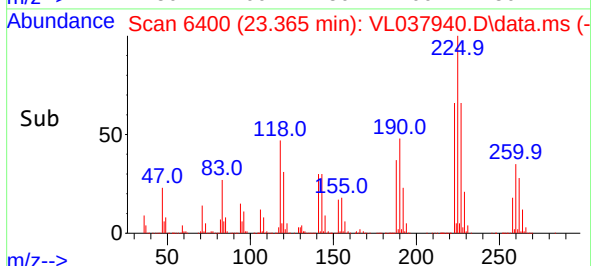
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021

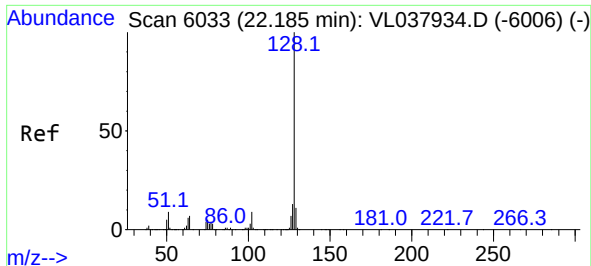


#78  
Hexachloro-1,3-Butadiene  
Concen: 11.148 ppbv  
RT: 23.365 min Scan# 6400  
Delta R.T. -0.000 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10



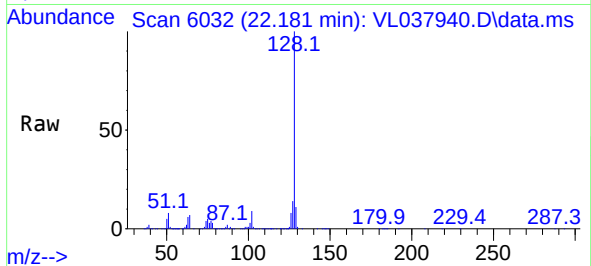
Tgt Ion:225 Resp: 2850408  
Ion Ratio Lower Upper  
225 100  
223 64.0 50.0 75.0  
227 65.5 51.5 77.3





#79  
Naphthalene  
Concen: 16.826 ppbv  
RT: 22.181 min Scan# 6033  
Delta R.T. -0.003 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10

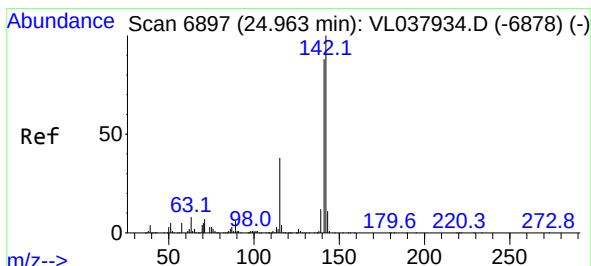
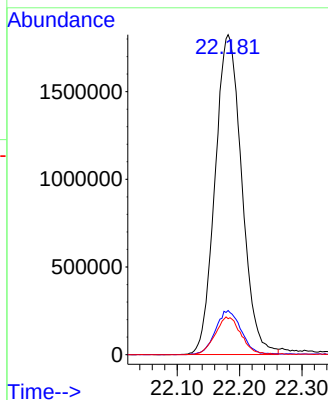
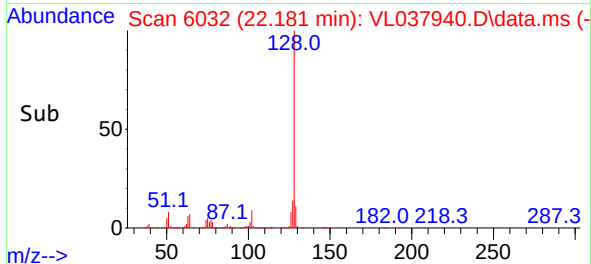
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



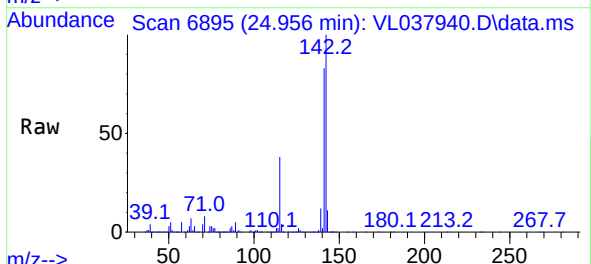
Tgt Ion:128 Resp: 5421938  
Ion Ratio Lower Upper  
128 100  
127 13.8 10.2 15.2  
129 11.2 9.0 13.4

Manual Integrations  
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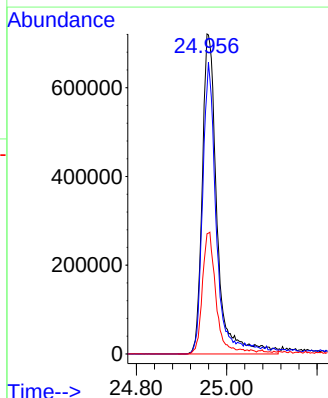
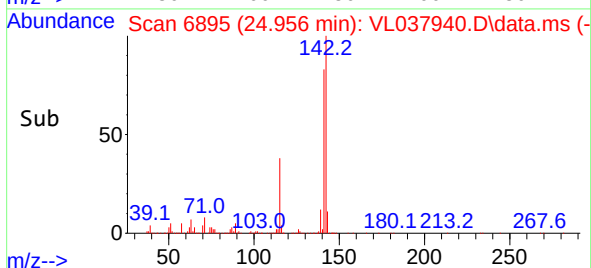
Reviewed By :Semsettin Yesilyurt 11/05/2021  
Supervised By :Mahesh Dadoda 11/10/2021

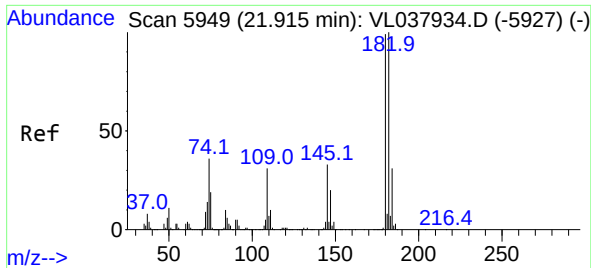


#80  
Naphthalene,2-methyl-  
Concen: 18.965 ppbv  
RT: 24.956 min Scan# 6895  
Delta R.T. -0.007 min  
Lab File: VL037940.D  
Acq: 1 Nov 2021 13:10



Tgt Ion:142 Resp: 1640928  
Ion Ratio Lower Upper  
142 100  
141 84.8 66.4 99.6  
115 36.4 29.0 43.4





#81  
 1,2,4-Trichlorobenzene  
 Concen: 14.658 ppbv  
 RT: 21.908 min Scan# 5947  
 Delta R.T. -0.007 min  
 Lab File: VL037940.D  
 Acq: 1 Nov 2021 13:10

Instrument : MSVOA\_L  
 ClientSampleId : VSTDIC015

Tgt Ion:180 Resp: 302088  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 96.7  | 79.3  | 118.9 |
| 184 | 31.0  | 25.3  | 37.9  |

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2021  
 Supervised By :Mahesh Dadoda 11/10/2021

