

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL110222\  
 Data File : VL039812.D  
 Acq On : 2 Nov 2022 12:01  
 Operator : SY/AP  
 Sample : VSTDICC001  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC001

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/03/2022  
 Supervised By : Mahesh Dadoda 11/03/2022

Quant Time: Nov 02 13:14:47 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL110222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2

QLast Update : Wed Nov 02 11:28:32 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Bromochloromethane         | 5.188  | 49    | 1092414  | 10.000   | ppbv       | 0.00     |
| 33) 1,4-Difluorobenzene       | 6.645  | 114   | 3000946  | 10.000   | ppbv       | 0.00     |
| 55) Chlorobenzene-d5          | 11.449 | 117   | 2866977  | 10.000   | ppbv       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 68) 1-Bromo-4-Fluorobenzene   | 13.760 | 95    | 2144290  | 10.514   | ppbv       | 0.00     |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | = 105.100% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 2.742  | 85    | 208105   | 1.819    | ppbv       | 97       |
| 3) Chlorodifluoromethane      | 2.687  | 51    | 132186   | 1.007    | ppbv       | 99       |
| 4) Chloromethane              | 2.822  | 50    | 81589    | 0.993    | ppbv       | 98       |
| 5) Vinyl Chloride             | 2.931  | 62    | 64078    | 0.940    | ppbv       | 97       |
| 6) Bromomethane               | 3.127  | 94    | 22176    | 0.906    | ppbv       | 86       |
| 7) Chloroethane               | 3.208  | 64    | 24598    | 1.005    | ppbv       | 94       |
| 8) Dichlorotetrafluoroethane  | 2.870  | 85    | 162584m  | 1.089    | ppbv       |          |
| 9) Propene                    | 2.703  | 41    | 72278    | 1.282    | ppbv       | 99       |
| 10) Heptane                   | 7.568  | 43    | 173987m  | 1.289    | ppbv       |          |
| 11) Trichlorofluoromethane    | 3.568  | 101   | 152400m  | 0.954    | ppbv       |          |
| 12) 1,1,2-Trichlorotrifluo... | 4.073  | 101   | 111616m  | 0.901    | ppbv       |          |
| 13) Ethanol                   | 3.269  | 45    | 5757m    | 1.422    | ppbv       |          |
| 14) Bromoethene               | 3.372  | 108   | 50548m   | 1.028    | ppbv       |          |
| 15) Acetone                   | 3.484  | 43    | 140645   | 1.078    | ppbv       | 95       |
| 16) 1,3-Butadiene             | 2.996  | 39    | 60028    | 0.931    | ppbv       | 96       |
| 17) tert-Butyl alcohol        | 3.896  | 59    | 124075m  | 1.166    | ppbv       |          |
| 18) 1,1-Dichloroethene        | 3.890  | 96    | 50138    | 0.919    | ppbv       | 93       |
| 19) Isopropyl Alcohol         | 3.594  | 45    | 58573m   | 0.958    | ppbv       |          |
| 20) Methylene Chloride        | 3.935  | 84    | 50019m   | 1.008    | ppbv       |          |
| 21) Allyl Chloride            | 4.005  | 41    | 78616    | 0.931    | ppbv       | 98       |
| 22) trans-1,2-Dichloroethene  | 4.446  | 96    | 49844m   | 0.880    | ppbv       |          |
| 23) Vinyl Acetate             | 4.632  | 43    | 62210m   | 1.237    | ppbv       |          |
| 24) 1,1-Dichloroethane        | 4.565  | 63    | 110729   | 0.945    | ppbv       | 98       |
| 25) Ethyl Acetate             | 5.211  | 43    | 283463   | 1.111    | ppbv #     | 98       |
| 26) Hexane                    | 5.214  | 57    | 131130m  | 1.236    | ppbv       |          |
| 27) Carbon Disulfide          | 4.134  | 76    | 122318   | 0.971    | ppbv       | 96       |
| 28) Methyl tert-Butyl Ether   | 4.597  | 73    | 114107m  | 1.236    | ppbv       |          |
| 29) Chloroform                | 5.272  | 83    | 167374   | 1.004    | ppbv       | 97       |
| 30) Cyclohexane               | 6.597  | 84    | 104007m  | 1.197    | ppbv       |          |
| 31) cis-1,2-Dichloroethene    | 5.079  | 61    | 110113m  | 1.075    | ppbv       |          |
| 32) 1,1,1-Trichloroethane     | 5.999  | 97    | 170247   | 1.125    | ppbv       | 95       |
| 34) 2-Butanone                | 4.796  | 43    | 117581   | 0.833    | ppbv       | 100      |
| 35) Carbon Tetrachloride      | 6.481  | 117   | 180627   | 1.056    | ppbv       | 95       |
| 36) Benzene                   | 6.365  | 78    | 258433   | 1.118    | ppbv       | 98       |
| 37) 1,2-Dichloroethane        | 5.799  | 62    | 116916   | 0.931    | ppbv       | 97       |
| 38) Trichloroethene           | 7.278  | 130   | 143454m  | 1.100    | ppbv       |          |
| 39) 1,2-Dichloropropane       | 7.066  | 63    | 97046    | 1.090    | ppbv       | 95       |
| 40) 1,4-Dioxane               | 7.295  | 88    | 35589m   | 1.173    | ppbv       |          |
| 41) Tetrahydrofuran           | 5.568  | 42    | 105594m  | 1.204    | ppbv       |          |
| 42) Bromodichloromethane      | 7.233  | 83    | 194133   | 1.098    | ppbv       | 100      |
| 43) Methyl Methacrylate       | 7.471  | 69    | 95556    | 1.187    | ppbv       | 92       |
| 44) 2,2,4-Trimethylpentane    | 7.314  | 57    | 441148   | 1.142    | ppbv       | 99       |
| 45) t-1,3-Dichloropropene     | 8.700  | 75    | 91890    | 1.344    | ppbv       | 92       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL110222\  
 Data File : VL039812.D  
 Acq On : 2 Nov 2022 12:01  
 Operator : SY/AP  
 Sample : VSTDICC001  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC001

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/03/2022  
 Supervised By :Mahesh Dadoda 11/03/2022

Quant Time: Nov 02 13:14:47 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL110222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2

QLast Update : Wed Nov 02 11:28:32 2022

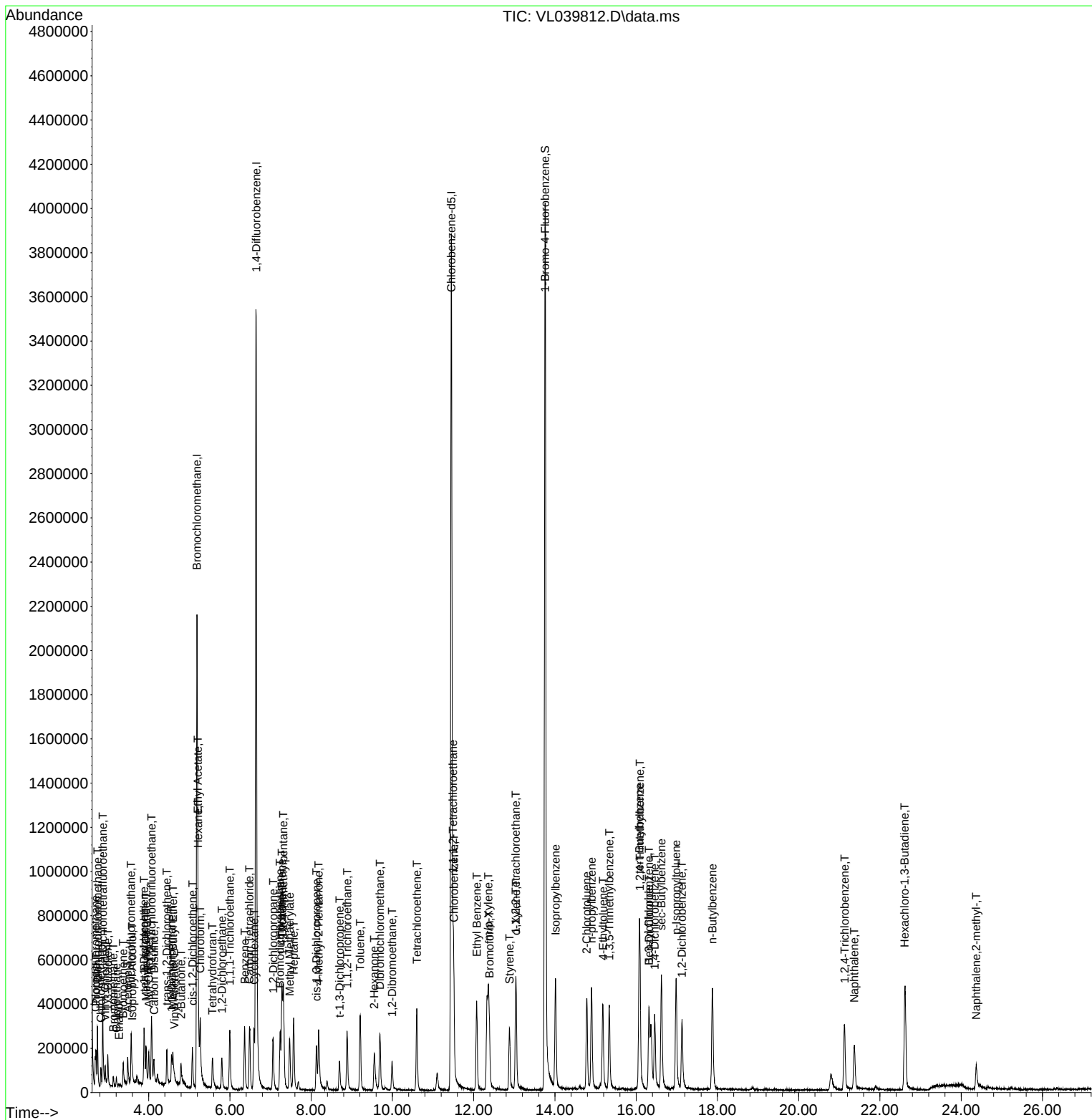
Response via : Initial Calibration

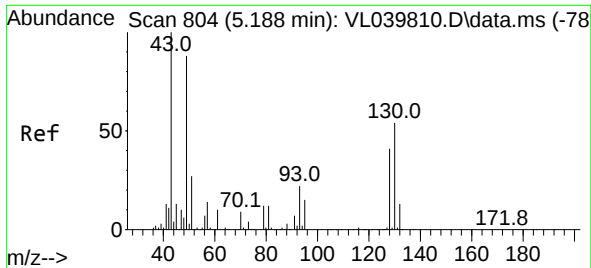
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.130  | 75   | 126026   | 1.284 | ppbv   | 96       |
| 47) 1,1,2-Trichloroethane     | 8.886  | 97   | 100772m  | 1.057 | ppbv   |          |
| 48) Dibromochloromethane      | 9.693  | 129  | 167437   | 1.091 | ppbv   | 100      |
| 49) Bromoform                 | 12.391 | 173  | 135408   | 1.083 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.185  | 43   | 250457   | 1.131 | ppbv   | 99       |
| 51) 2-Hexanone                | 9.555  | 43   | 194222m  | 1.198 | ppbv   |          |
| 52) Tetrachloroethene         | 10.600 | 164  | 95674    | 1.105 | ppbv   | 95       |
| 53) Toluene                   | 9.208  | 91   | 290996   | 1.202 | ppbv   | 98       |
| 54) 1,2-Dibromoethane         | 9.995  | 107  | 112557   | 1.163 | ppbv   | 89       |
| 56) 1,1,1,2-Tetrachloroethane | 11.490 | 131  | 125393   | 1.034 | ppbv # | 1        |
| 57) Chlorobenzene             | 11.513 | 112  | 219933   | 1.000 | ppbv   | 97       |
| 58) Ethyl Benzene             | 12.076 | 91   | 400828   | 1.227 | ppbv   | 95       |
| 59) m/p-Xylene                | 12.359 | 91   | 669495m  | 2.271 | ppbv   |          |
| 60) o-Xylene                  | 13.043 | 91   | 313019   | 1.132 | ppbv   | 99       |
| 61) Styrene                   | 12.883 | 104  | 190200   | 1.310 | ppbv   | 100      |
| 62) Isopropylbenzene          | 14.018 | 105  | 468055   | 1.108 | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.037 | 83   | 116395m  | 1.001 | ppbv   |          |
| 64) n-propylbenzene           | 14.905 | 120  | 121213   | 1.134 | ppbv   | 88       |
| 65) tert-Butylbenzene         | 16.079 | 119  | 417381   | 1.134 | ppbv   | 98       |
| 66) Benzyl Chloride           | 16.310 | 91   | 40383m   | 1.547 | ppbv   |          |
| 67) sec-Butylbenzene          | 16.622 | 105  | 553730   | 1.068 | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 16.982 | 119  | 458590   | 1.094 | ppbv   | 98       |
| 70) n-Butylbenzene            | 17.879 | 91   | 450059   | 1.123 | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 14.783 | 91   | 342335   | 1.167 | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 15.182 | 105  | 350203   | 1.100 | ppbv   | 98       |
| 73) 1,3,5-Trimethylbenzene    | 15.339 | 105  | 296369   | 1.040 | ppbv   | 92       |
| 74) 1,2,4-Trimethylbenzene    | 16.092 | 105  | 334728   | 1.037 | ppbv   | 93       |
| 75) 1,3-Dichlorobenzene       | 16.313 | 146  | 195975m  | 1.001 | ppbv   |          |
| 76) 1,4-Dichlorobenzene       | 16.455 | 146  | 189937m  | 1.017 | ppbv   |          |
| 77) 1,2-Dichlorobenzene       | 17.127 | 146  | 179012   | 0.958 | ppbv   | 95       |
| 78) Hexachloro-1,3-Butadiene  | 22.609 | 225  | 148737m  | 1.045 | ppbv   |          |
| 79) Naphthalene               | 21.365 | 128  | 258023m  | 1.307 | ppbv   |          |
| 80) Naphthalene,2-methyl-     | 24.371 | 142  | 102486   | 1.529 | ppbv   | 96       |
| 81) 1,2,4-Trichlorobenzene    | 21.133 | 180  | 136369m  | 1.046 | ppbv   |          |

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

## Manual Integrations APPROVED

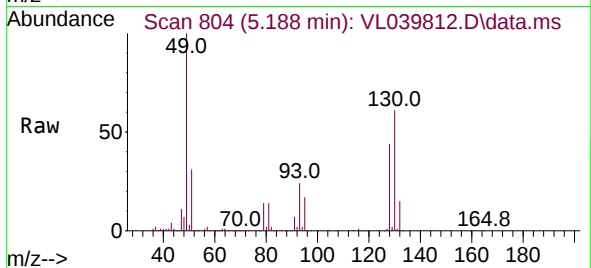
Quant Time: Nov 02 13:14:47 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL110222AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug  
QLast Update : Wed Nov 02 11:28:32 2022  
Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.188 min Scan# 804  
Delta R.T. 0.000 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

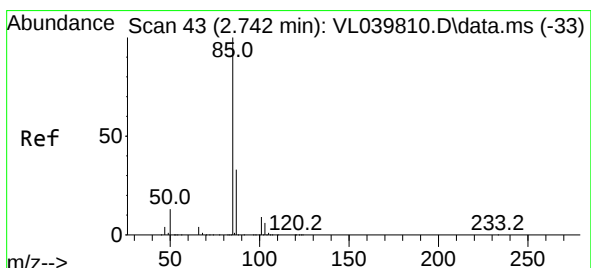
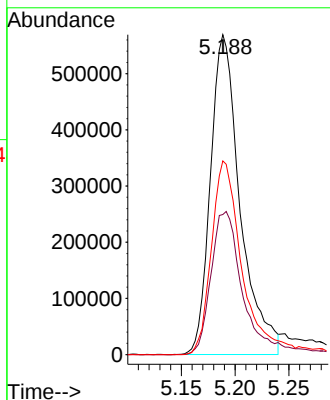
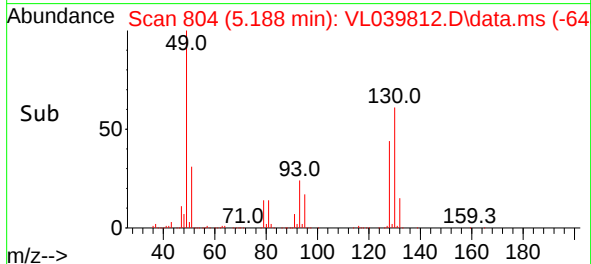
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



Tgt Ion: 49 Resp: 1092414  
Ion Ratio Lower Upper  
49 100  
128 51.5 24.6 73.6  
130 66.2 31.1 93.2

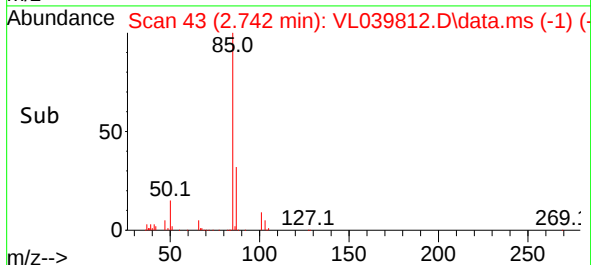
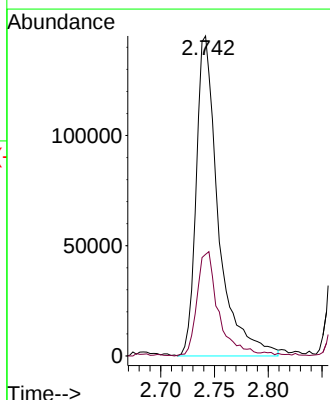
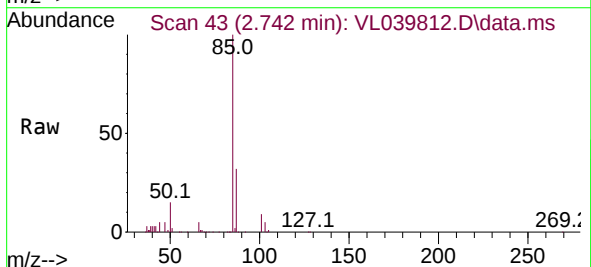
Manual Integrations  
APPROVED

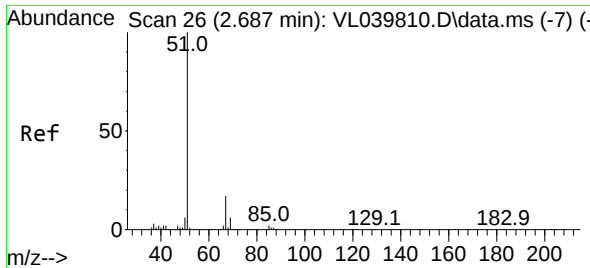
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022



#2  
Dichlorodifluoromethane  
Concen: 1.819 ppbv  
RT: 2.742 min Scan# 43  
Delta R.T. 0.000 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

Tgt Ion: 85 Resp: 208105  
Ion Ratio Lower Upper  
85 100  
87 31.5 26.4 39.6





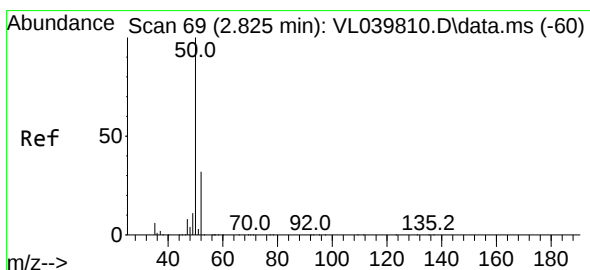
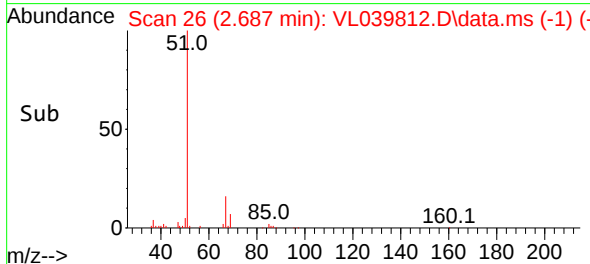
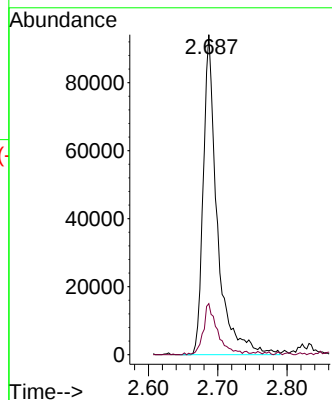
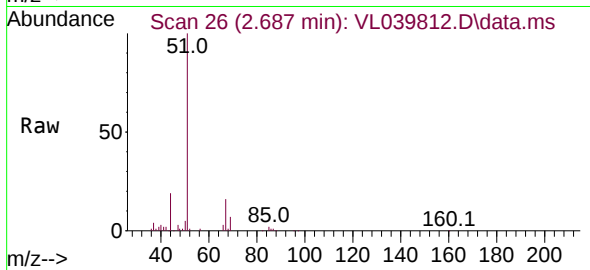
#3  
Chlorodifluoromethane  
Concen: 1.007 ppbv  
RT: 2.687 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC001

Tgt Ion: 51 Resp: 132186  
Ion Ratio Lower Upper  
51 100  
67 17.1 13.2 19.8

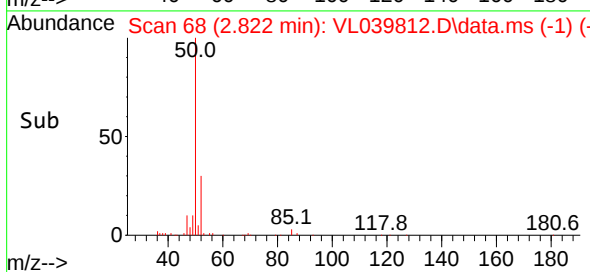
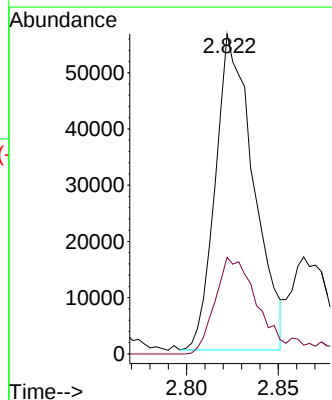
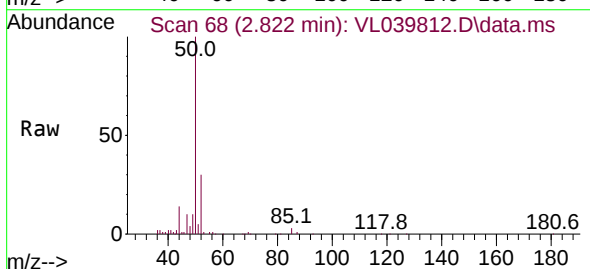
Manual Integrations  
APPROVED

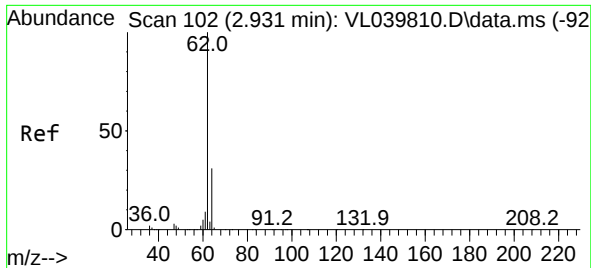
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022



#4  
Chloromethane  
Concen: 0.993 ppbv  
RT: 2.822 min Scan# 68  
Delta R.T. -0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

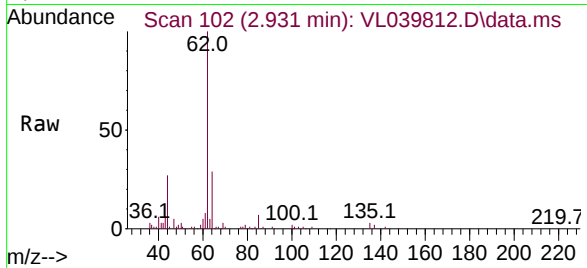
Tgt Ion: 50 Resp: 81589  
Ion Ratio Lower Upper  
50 100  
52 30.9 25.5 38.3





#5  
 Vinyl Chloride  
 Concen: 0.940 ppbv  
 RT: 2.931 min Scan# 102  
 Delta R.T. 0.000 min  
 Lab File: VL039812.D  
 Acq: 2 Nov 2022 12:01

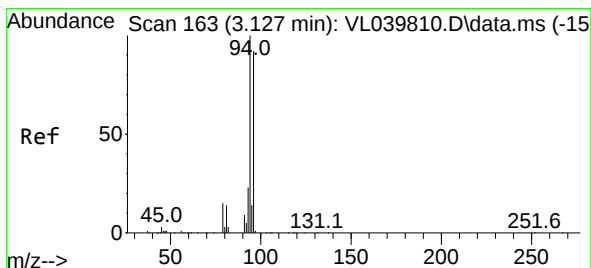
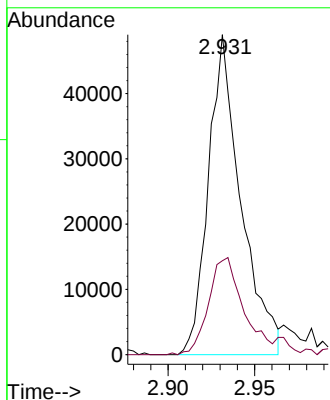
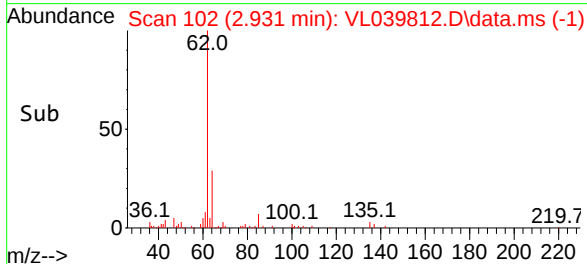
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC001



Tgt Ion: 62 Resp: 64078  
 Ion Ratio Lower Upper  
 62 100  
 64 29.3 25.0 37.4

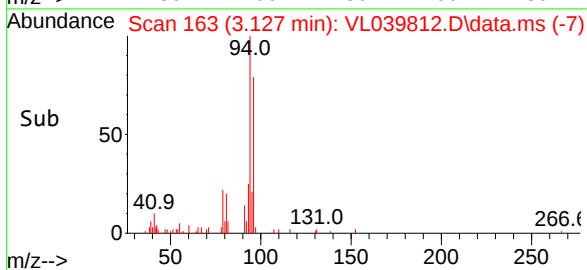
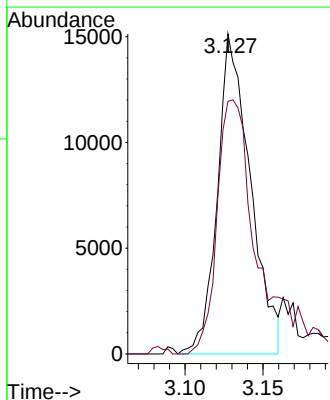
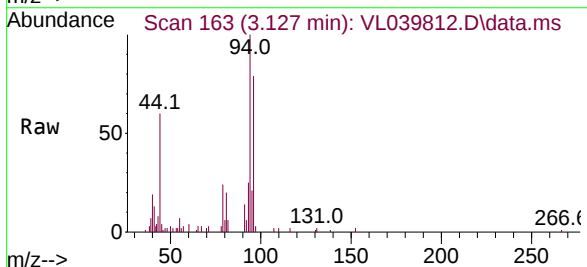
Manual Integrations  
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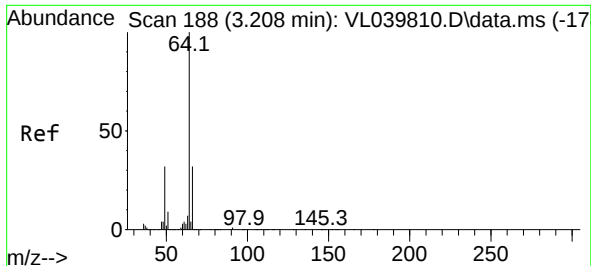
Reviewed By :Semsettin Yesilyurt 11/03/2022  
 Supervised By :Mahesh Dadoda 11/03/2022



#6  
 Bromomethane  
 Concen: 0.906 ppbv  
 RT: 3.127 min Scan# 163  
 Delta R.T. 0.000 min  
 Lab File: VL039812.D  
 Acq: 2 Nov 2022 12:01

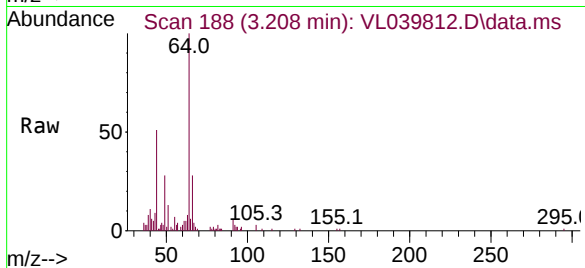
Tgt Ion: 94 Resp: 22176  
 Ion Ratio Lower Upper  
 94 100  
 96 78.9 73.5 110.3





#7  
Chloroethane  
Concen: 1.005 ppbv  
RT: 3.208 min Scan# 188  
Delta R.T. 0.000 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

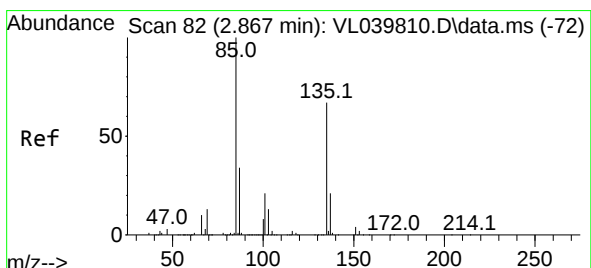
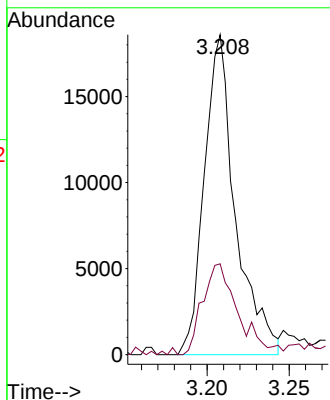
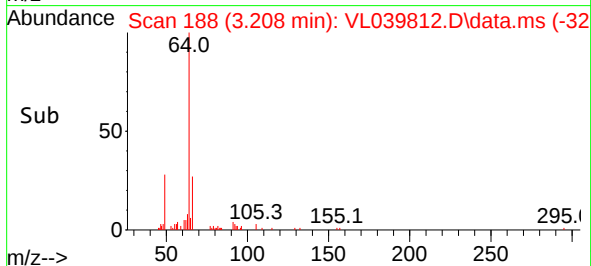
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



Tgt Ion: 64 Resp: 24598  
Ion Ratio Lower Upper  
64 100  
66 28.4 25.5 38.3

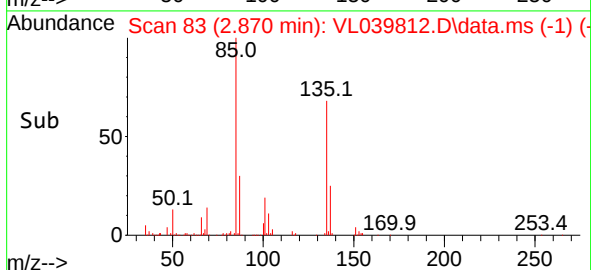
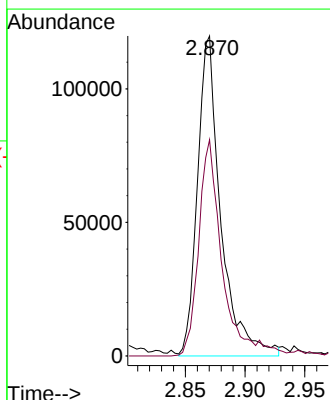
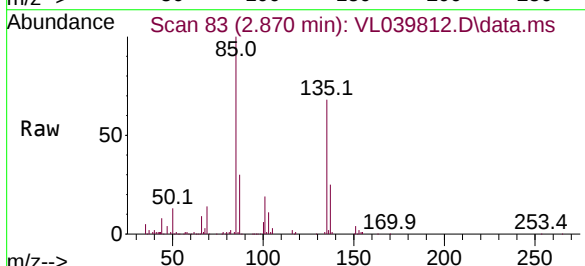
Manual Integrations  
APPROVED

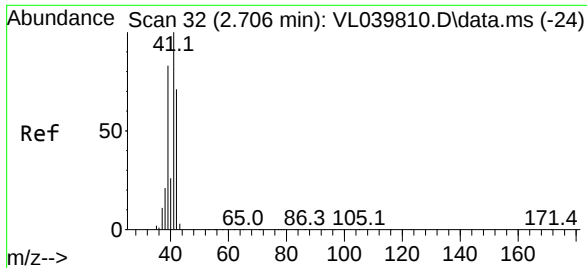
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022



#8  
Dichlorotetrafluoroethane  
Concen: 1.089 ppbv m  
RT: 2.870 min Scan# 83  
Delta R.T. 0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

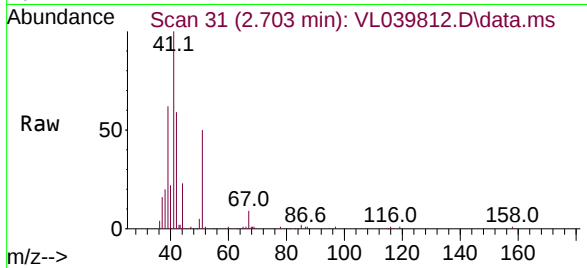
Tgt Ion: 85 Resp: 162584  
Ion Ratio Lower Upper  
85 100  
135 69.8 56.7 85.1





#9  
 Propene  
 Concen: 1.282 ppbv  
 RT: 2.703 min Scan# 31  
 Delta R.T. -0.003 min  
 Lab File: VL039812.D  
 Acq: 2 Nov 2022 12:01

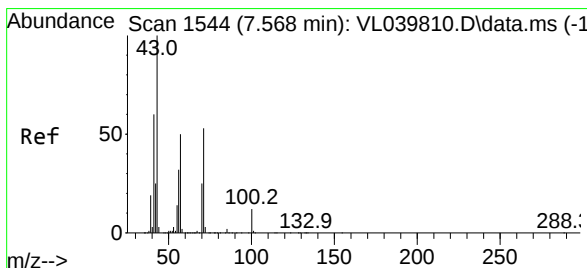
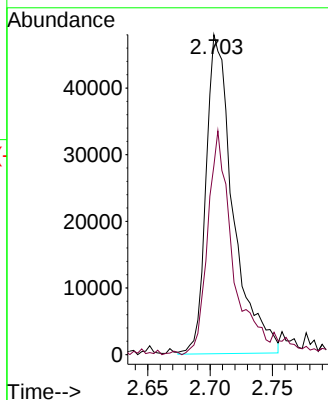
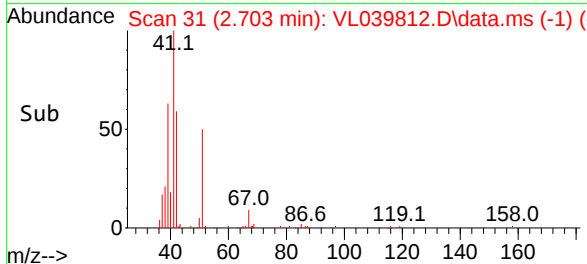
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC001



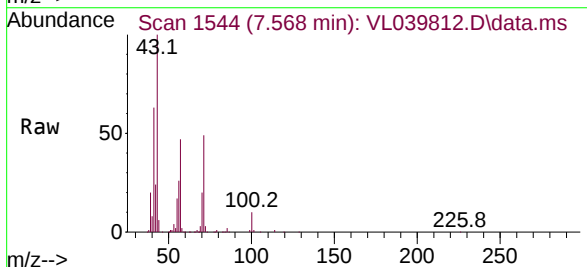
Tgt Ion: 41 Resp: 72278  
 Ion Ratio Lower Upper  
 41 100  
 42 71.3 56.3 84.5

Manual Integrations  
 APPROVED

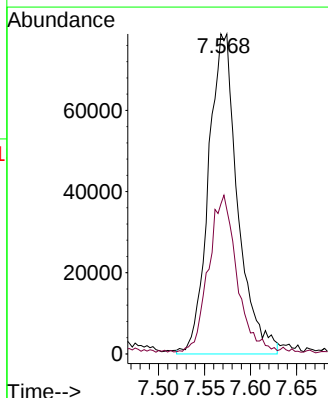
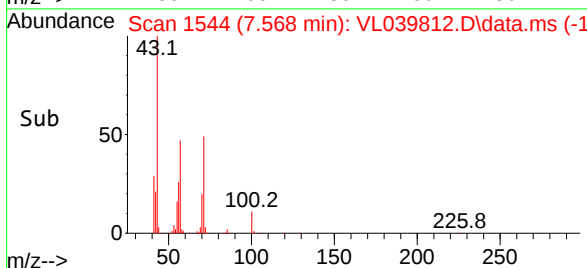
Reviewed By :Semsettin Yesilyurt 11/03/2022  
 Supervised By :Mahesh Dadoda 11/03/2022

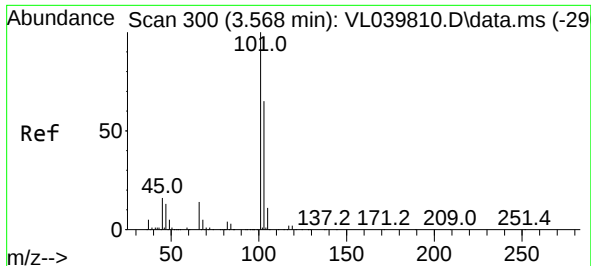


#10  
 Heptane  
 Concen: 1.289 ppbv m  
 RT: 7.568 min Scan# 1544  
 Delta R.T. 0.000 min  
 Lab File: VL039812.D  
 Acq: 2 Nov 2022 12:01



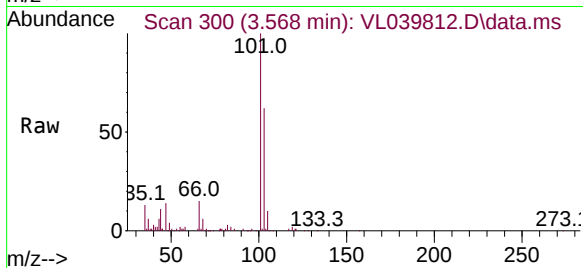
Tgt Ion: 43 Resp: 173987  
 Ion Ratio Lower Upper  
 43 100  
 57 50.8 40.5 60.7





#11  
 Trichlorofluoromethane  
 Concen: 0.954 ppbv m  
 RT: 3.568 min Scan# 300  
 Delta R.T. 0.000 min  
 Lab File: VL039812.D  
 Acq: 2 Nov 2022 12:01

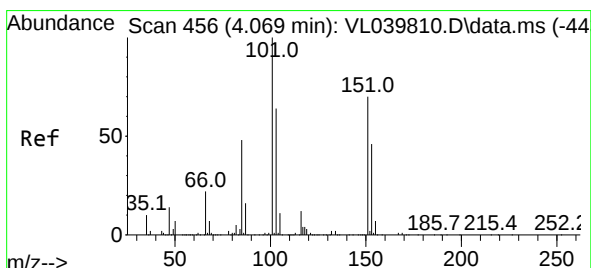
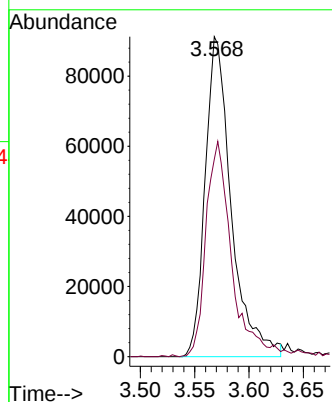
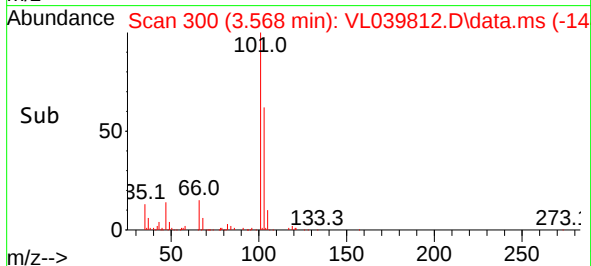
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC001



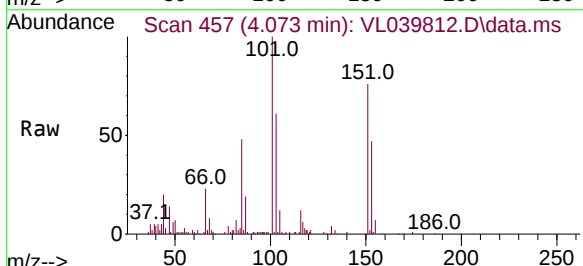
Tgt Ion:101 Resp: 152400  
 Ion Ratio Lower Upper  
 101 100  
 103 61.6 52.2 78.2

Manual Integrations  
 APPROVED

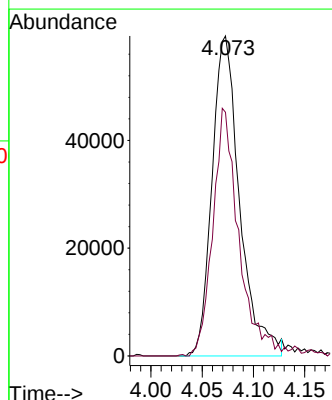
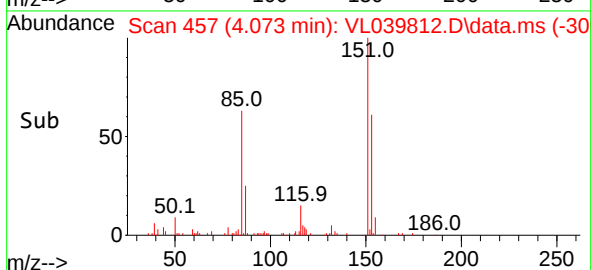
Reviewed By :Semsettin Yesilyurt 11/03/2022  
 Supervised By :Mahesh Dadoda 11/03/2022

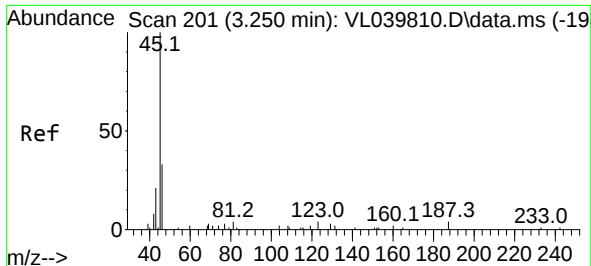


#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.901 ppbv m  
 RT: 4.073 min Scan# 457  
 Delta R.T. 0.003 min  
 Lab File: VL039812.D  
 Acq: 2 Nov 2022 12:01



Tgt Ion:101 Resp: 111616  
 Ion Ratio Lower Upper  
 101 100  
 151 74.5 57.2 85.8





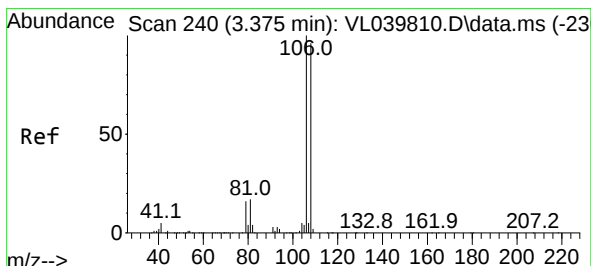
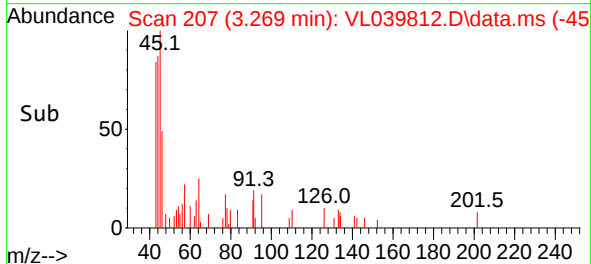
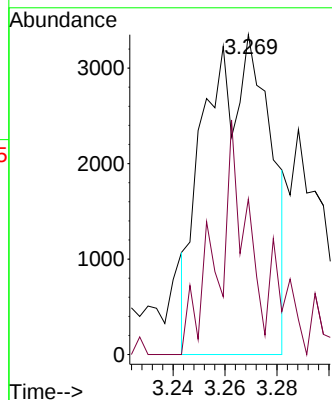
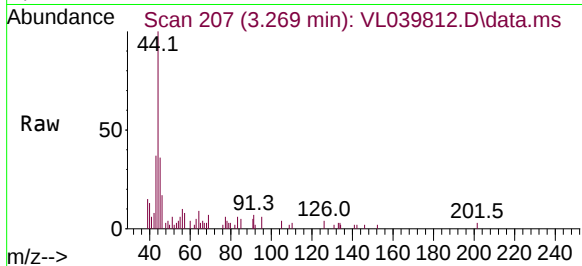
#13  
Ethanol  
Concen: 1.422 ppbv m  
RT: 3.269 min Scan# 201  
Delta R.T. 0.019 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC001

Tgt Ion: 45 Resp: 575  
Ion Ratio Lower Upper  
45 100  
46 42.7 16.5 65.9

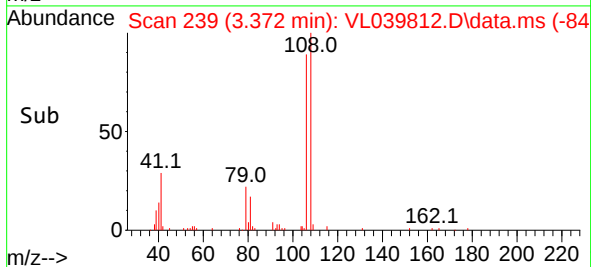
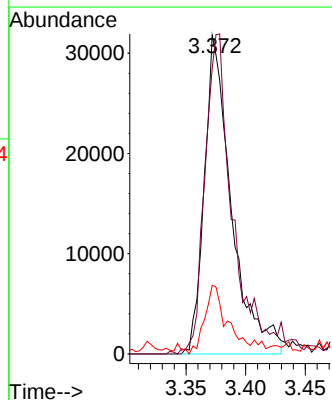
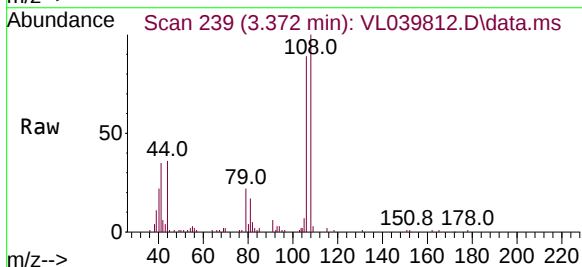
Manual Integrations  
APPROVED

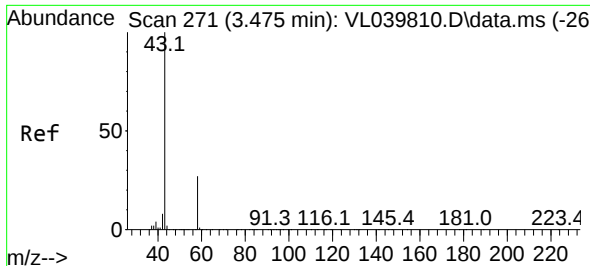
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022



#14  
Bromoethene  
Concen: 1.028 ppbv m  
RT: 3.372 min Scan# 239  
Delta R.T. -0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

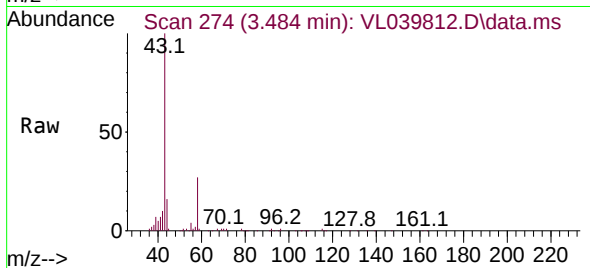
Tgt Ion:108 Resp: 50548  
Ion Ratio Lower Upper  
108 100  
106 107.2 87.8 131.8  
79 19.4 14.5 21.7





#15  
Acetone  
Concen: 1.078 ppbv  
RT: 3.484 min Scan# 21  
Delta R.T. 0.010 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

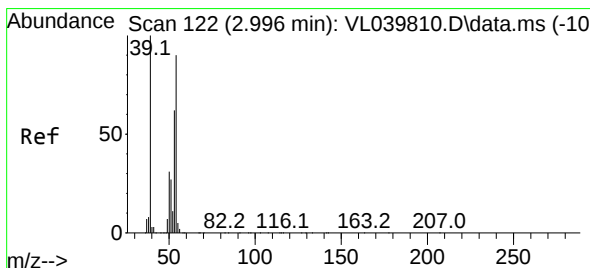
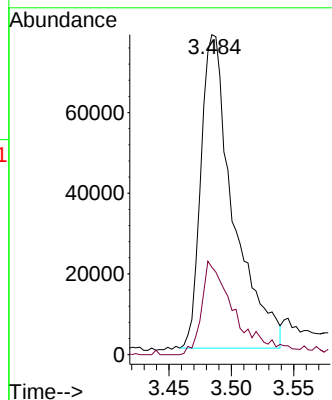
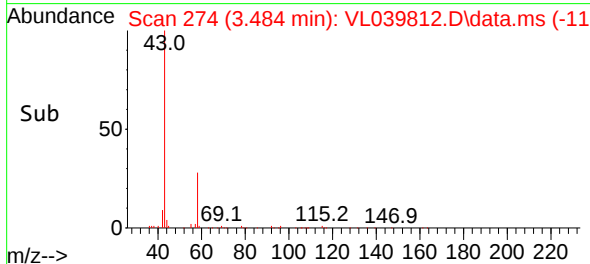
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



Tgt Ion: 43 Resp: 140645  
Ion Ratio Lower Upper  
43 100  
58 31.8 23.2 34.8

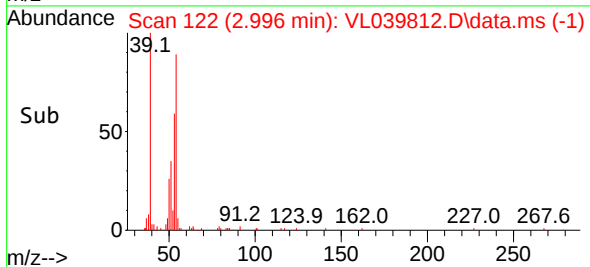
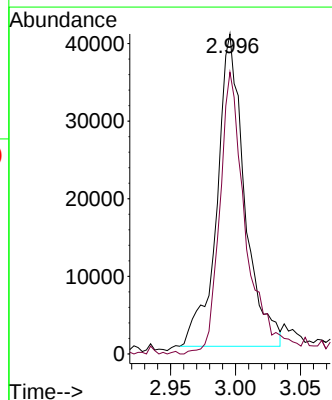
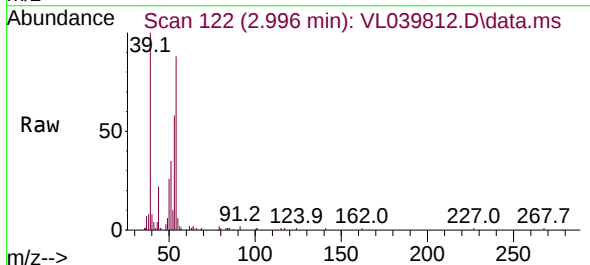
Manual Integrations  
APPROVED

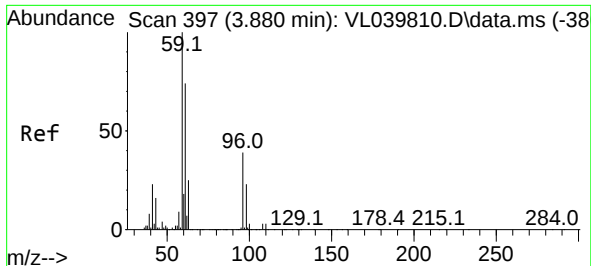
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022



#16  
1,3-Butadiene  
Concen: 0.931 ppbv  
RT: 2.996 min Scan# 122  
Delta R.T. 0.000 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

Tgt Ion: 39 Resp: 60028  
Ion Ratio Lower Upper  
39 100  
54 85.2 71.0 106.4





#17

tert-Butyl alcohol

Concen: 1.166 ppbv m

RT: 3.896 min Scan# 40

Delta R.T. 0.016 min

Lab File: VL039812.D

Acq: 2 Nov 2022 12:01

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC001

Tgt Ion: 59 Resp: 124075

Ion Ratio Lower Upper

59 100

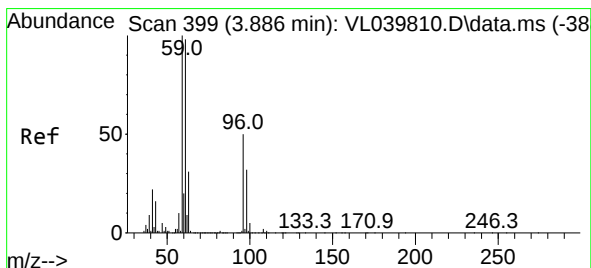
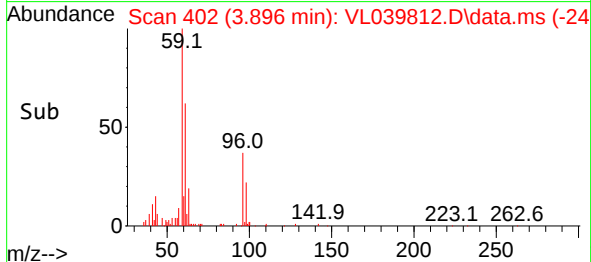
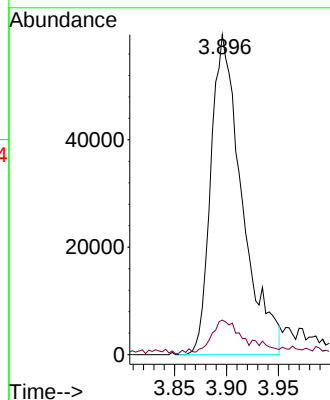
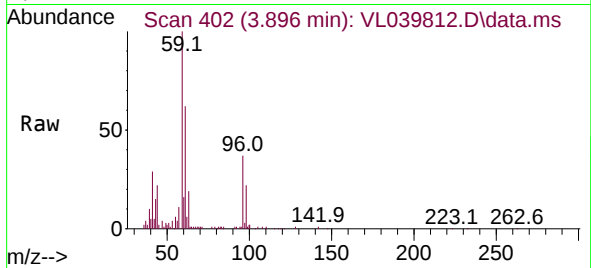
57 12.0 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/03/2022

Supervised By :Mahesh Dadoda 11/03/2022



#18

1,1-Dichloroethene

Concen: 0.919 ppbv

RT: 3.890 min Scan# 400

Delta R.T. 0.003 min

Lab File: VL039812.D

Acq: 2 Nov 2022 12:01

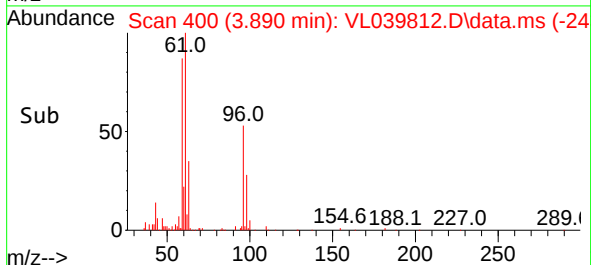
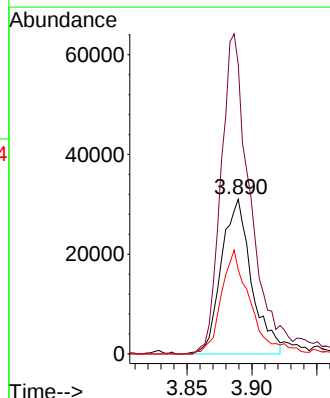
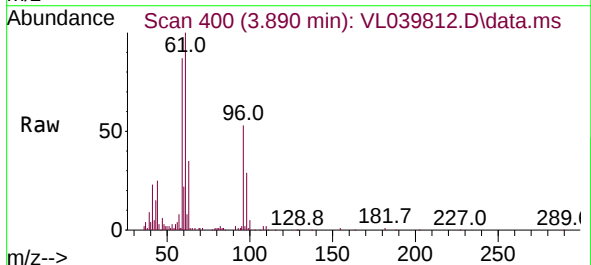
Tgt Ion: 96 Resp: 50138

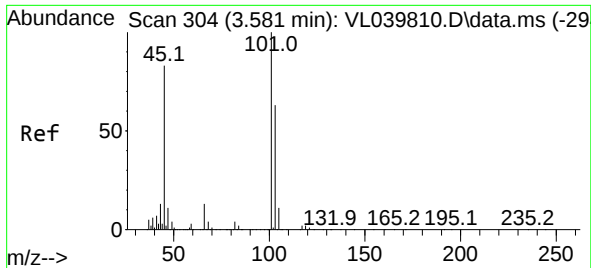
Ion Ratio Lower Upper

96 100

61 187.1 156.9 235.3

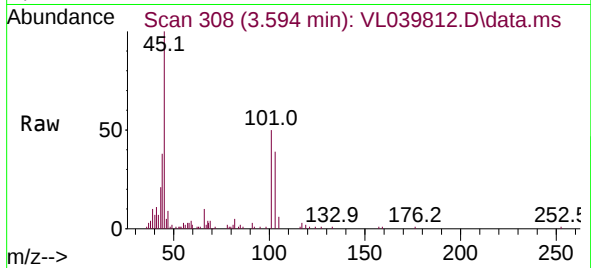
98 54.3 50.6 75.8





#19  
Isopropyl Alcohol  
Concen: 0.958 ppbv m  
RT: 3.594 min Scan# 304  
Delta R.T. 0.013 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

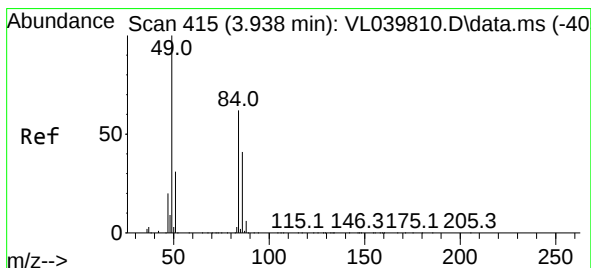
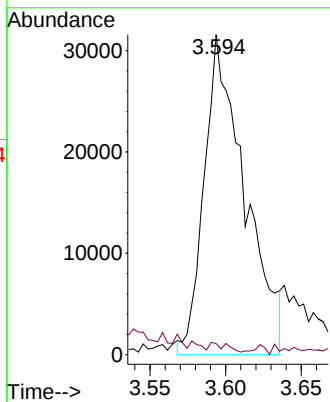
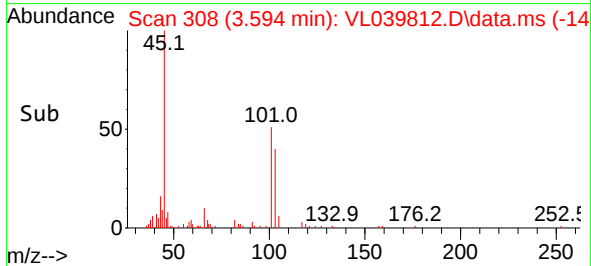
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



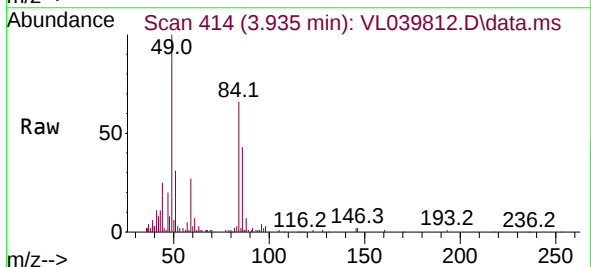
Tgt Ion: 45 Resp: 58573  
Ion Ratio Lower Upper  
45 100  
58 2.6 38.3 57.5

Manual Integrations  
APPROVED

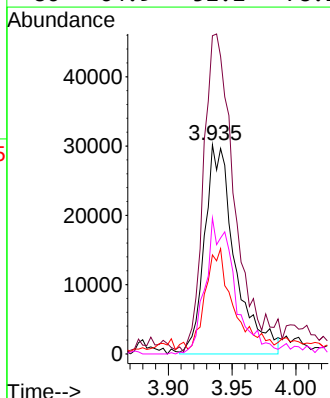
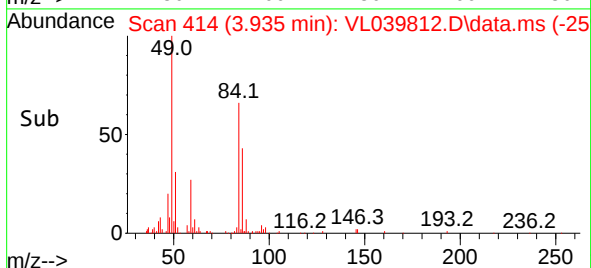
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022

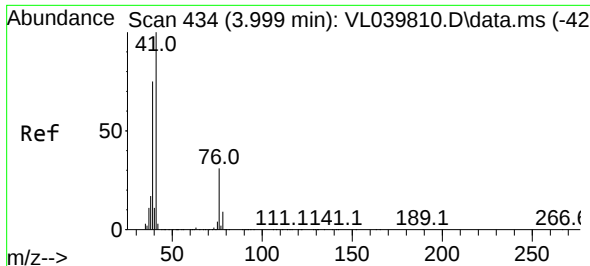


#20  
Methylene Chloride  
Concen: 1.008 ppbv m  
RT: 3.935 min Scan# 414  
Delta R.T. -0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01



Tgt Ion: 84 Resp: 50019  
Ion Ratio Lower Upper  
84 100  
49 152.2 128.6 192.8  
51 47.3 40.2 60.4  
86 64.9 52.2 78.2





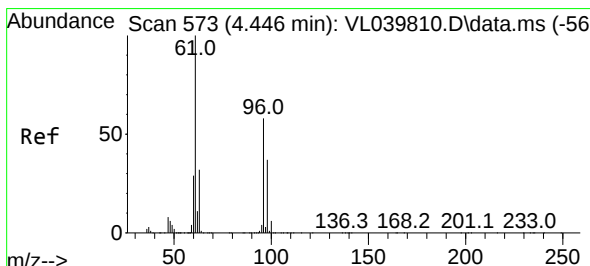
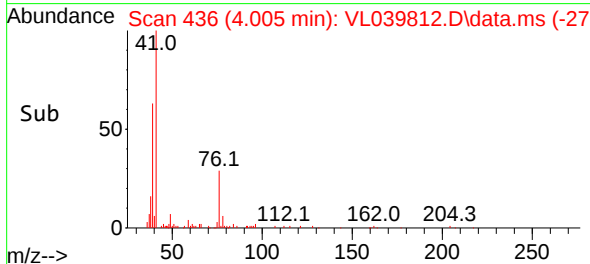
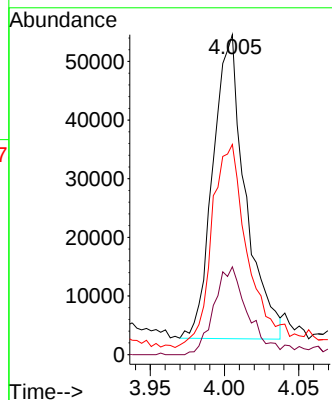
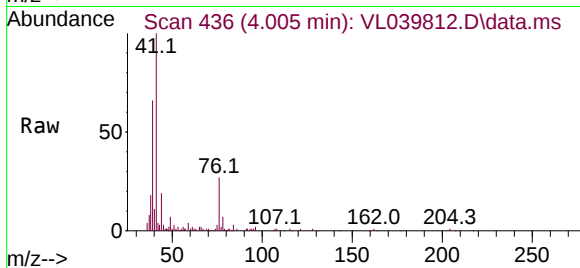
#21  
 Allyl Chloride  
 Concen: 0.931 ppbv  
 RT: 4.005 min Scan# 434  
 Delta R.T. 0.006 min  
 Lab File: VL039812.D  
 Acq: 2 Nov 2022 12:01

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC001

Tgt Ion: 41 Resp: 78616  
 Ion Ratio Lower Upper  
 41 100  
 76 33.0 24.1 36.1  
 39 79.7 64.3 96.5

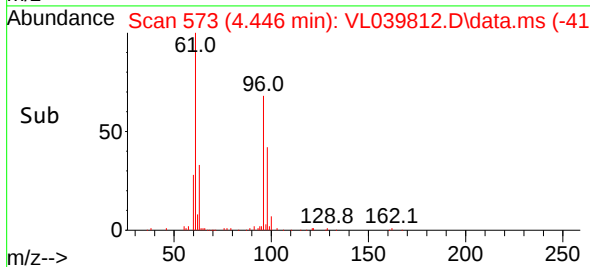
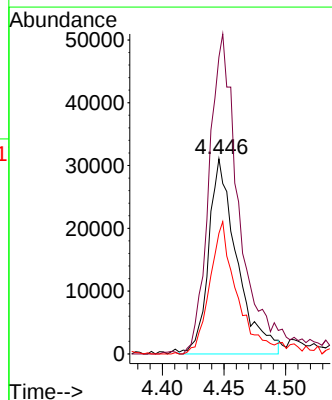
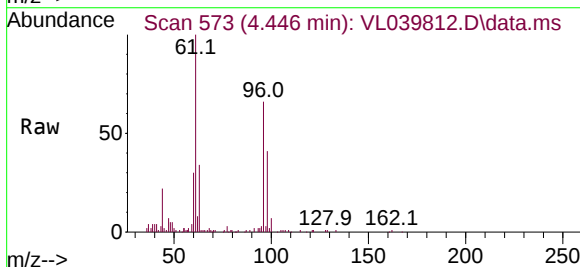
Manual Integrations  
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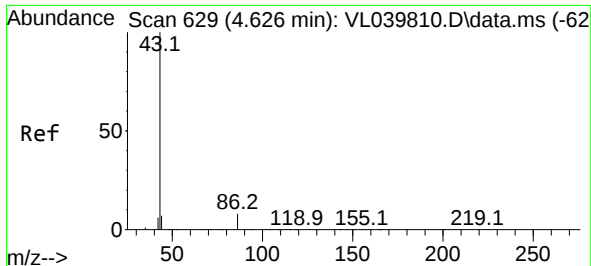
Reviewed By :Semsettin Yesilyurt 11/03/2022  
 Supervised By :Mahesh Dadoda 11/03/2022



#22  
 trans-1,2-Dichloroethene  
 Concen: 0.880 ppbv m  
 RT: 4.446 min Scan# 573  
 Delta R.T. 0.000 min  
 Lab File: VL039812.D  
 Acq: 2 Nov 2022 12:01

Tgt Ion: 96 Resp: 49844  
 Ion Ratio Lower Upper  
 96 100  
 61 152.0 137.6 206.4  
 98 61.8 51.2 76.8





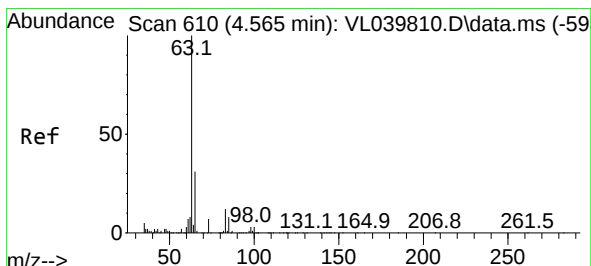
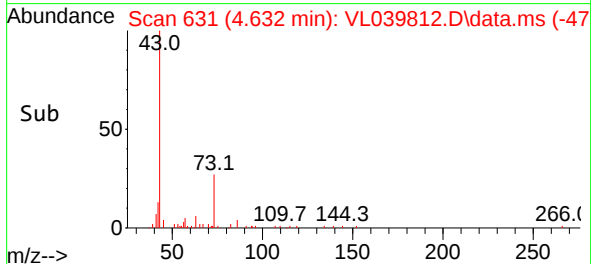
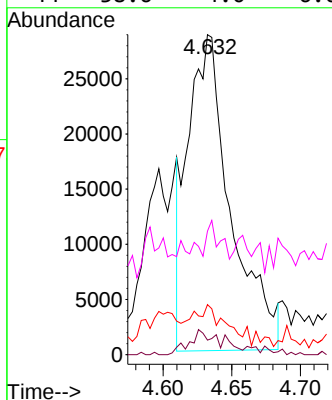
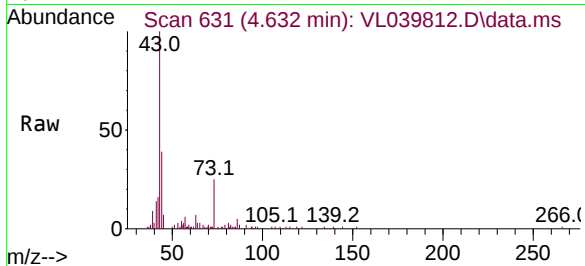
#23  
 Vinyl Acetate  
 Concen: 1.237 ppbv m  
 RT: 4.632 min Scan# 61  
 Delta R.T. 0.006 min  
 Lab File: VL039812.D  
 Acq: 2 Nov 2022 12:01

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC001

Tgt Ion: 43 Resp: 62210  
 Ion Ratio Lower Upper  
 43 100  
 86 4.5 5.0 7.4  
 42 15.6 6.8 10.2  
 44 38.6 4.0 6.0

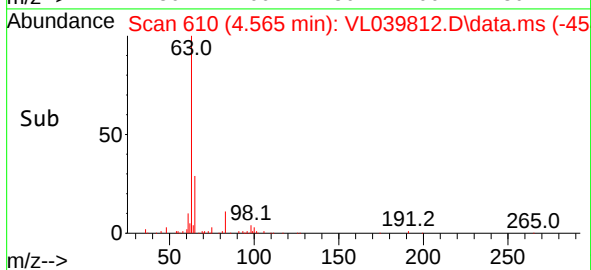
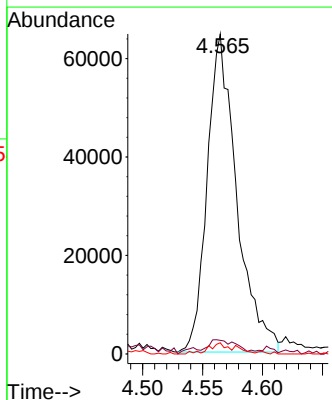
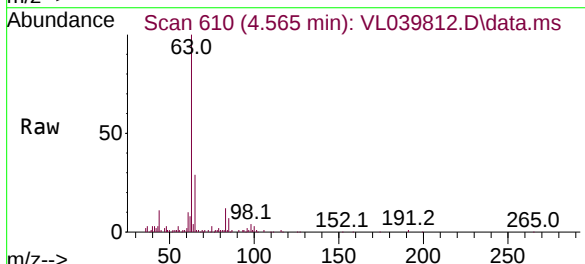
Manual Integrations  
 APPROVED

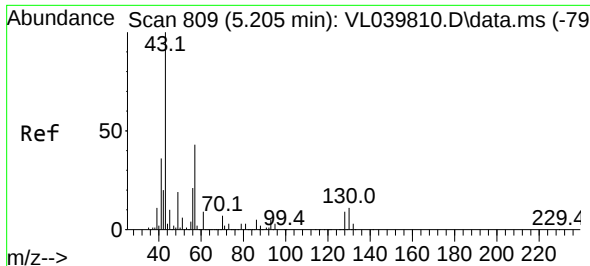
Reviewed By :Semsettin Yesilyurt 11/03/2022  
 Supervised By :Mahesh Dadoda 11/03/2022



#24  
 1,1-Dichloroethane  
 Concen: 0.945 ppbv  
 RT: 4.565 min Scan# 610  
 Delta R.T. 0.000 min  
 Lab File: VL039812.D  
 Acq: 2 Nov 2022 12:01

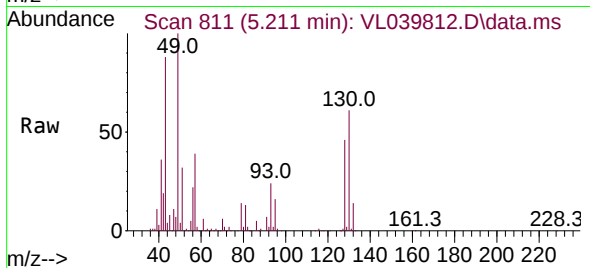
Tgt Ion: 63 Resp: 110729  
 Ion Ratio Lower Upper  
 63 100  
 98 4.2 1.8 5.4  
 100 3.5 1.5 4.4





#25  
Ethyl Acetate  
Concen: 1.111 ppbv  
RT: 5.211 min Scan# 811  
Delta R.T. 0.006 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

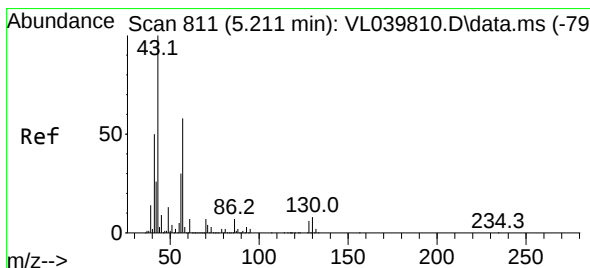
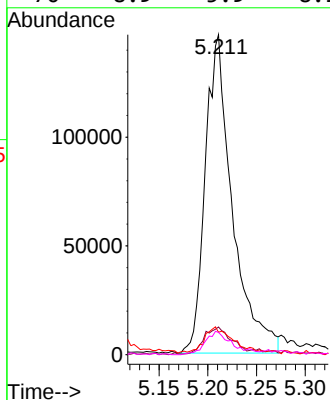
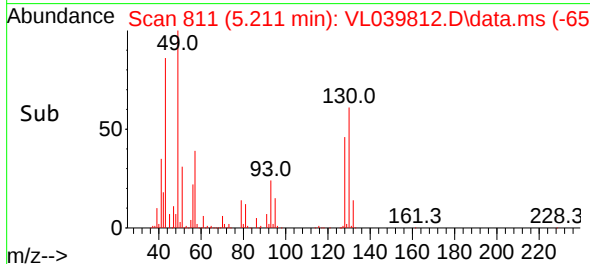
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC001



Tgt Ion: 43 Resp: 283463  
Ion Ratio Lower Upper  
43 100  
45 10.5 8.2 12.2  
61 10.9 8.1 12.1  
70 8.9 5.9 8.9#

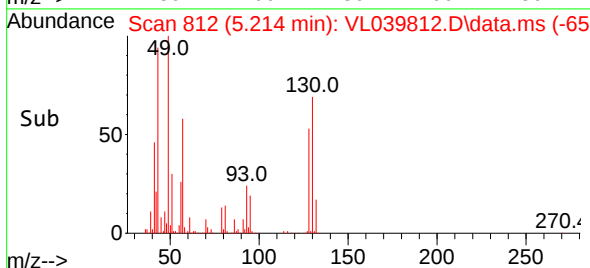
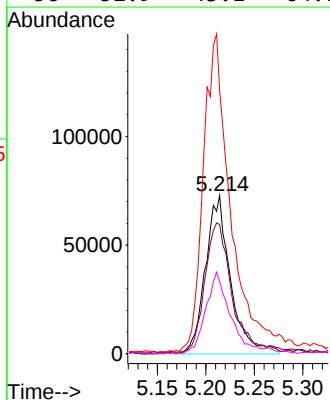
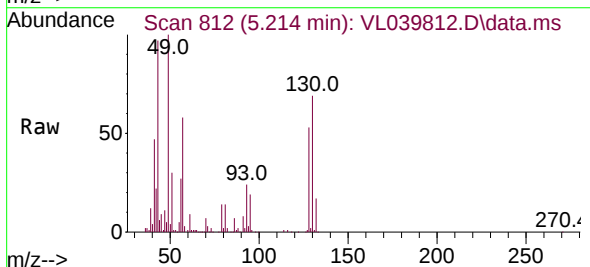
Manual Integrations  
APPROVED

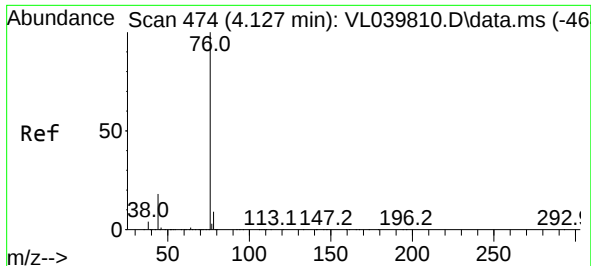
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022



#26  
Hexane  
Concen: 1.236 ppbv m  
RT: 5.214 min Scan# 812  
Delta R.T. 0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

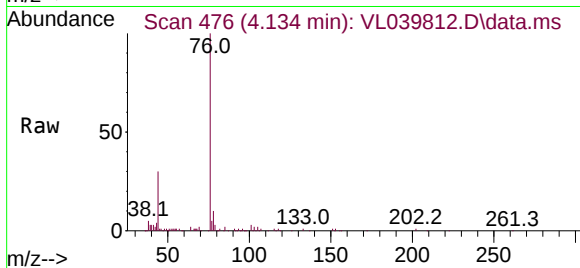
Tgt Ion: 57 Resp: 131130  
Ion Ratio Lower Upper  
57 100  
41 92.5 73.7 110.5  
43 231.1 189.8 284.8  
56 52.9 43.1 64.7





#27  
Carbon Disulfide  
Concen: 0.971 ppbv  
RT: 4.134 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

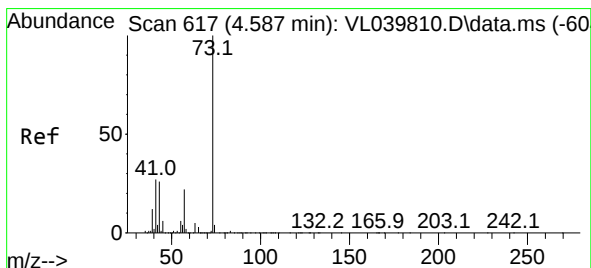
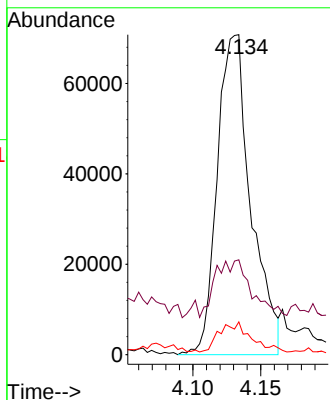
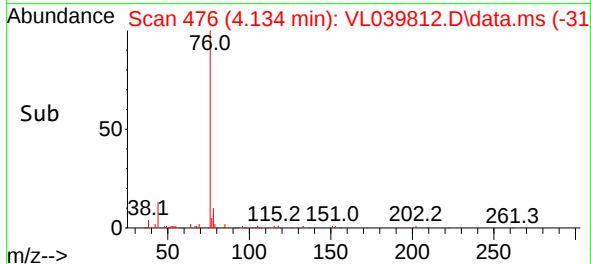
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



Tgt Ion: 76 Resp: 122318  
Ion Ratio Lower Upper  
76 100  
44 20.7 14.6 22.0  
78 10.1 7.6 11.4

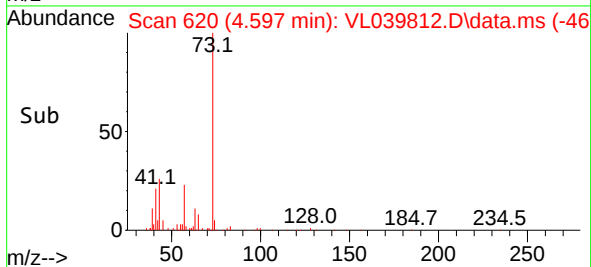
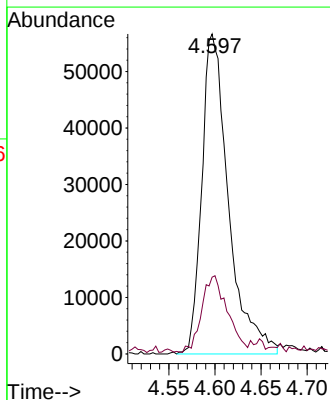
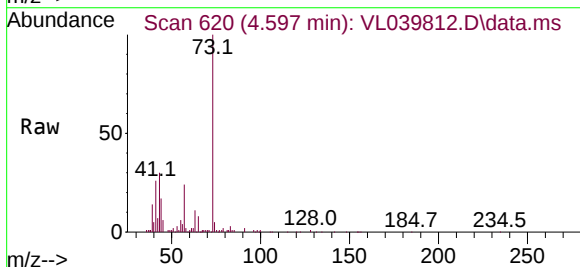
Manual Integrations  
APPROVED

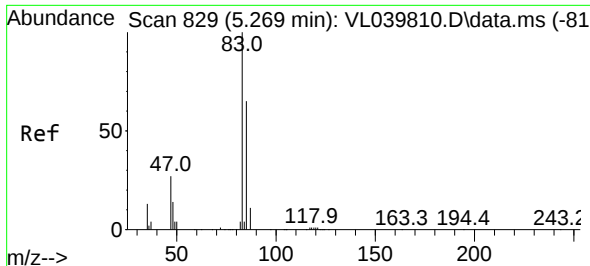
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022



#28  
Methyl tert-Butyl Ether  
Concen: 1.236 ppbv m  
RT: 4.597 min Scan# 620  
Delta R.T. 0.010 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

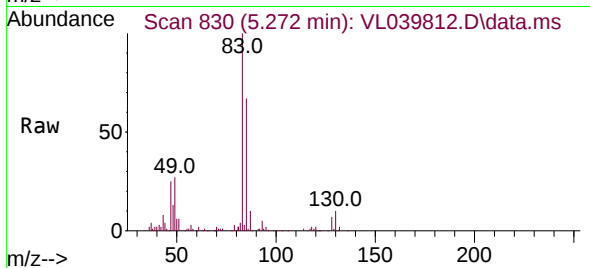
Tgt Ion: 73 Resp: 114107  
Ion Ratio Lower Upper  
73 100  
57 26.1 19.4 29.2





#29  
Chloroform  
Concen: 1.004 ppbv  
RT: 5.272 min Scan# 83  
Delta R.T. 0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

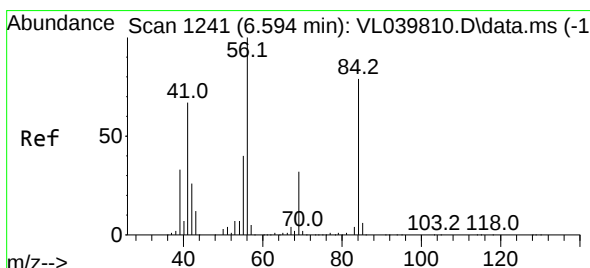
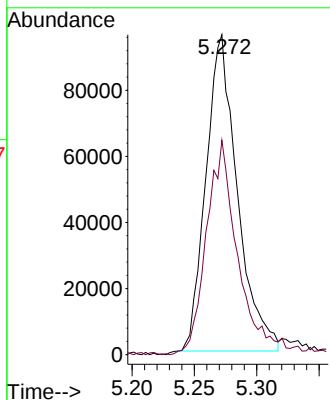
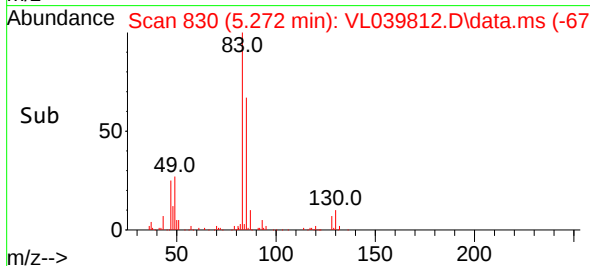
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



Tgt Ion: 83 Resp: 167374  
Ion Ratio Lower Upper  
83 100  
85 66.7 51.6 77.4

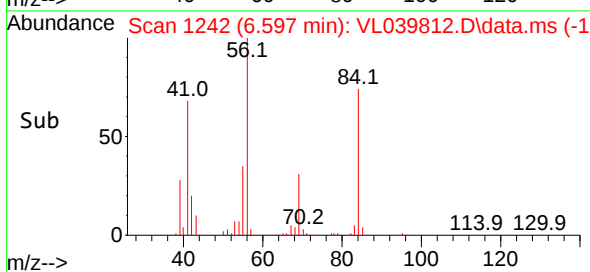
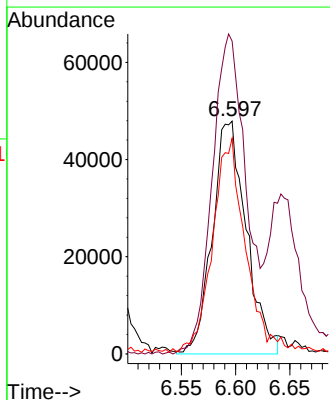
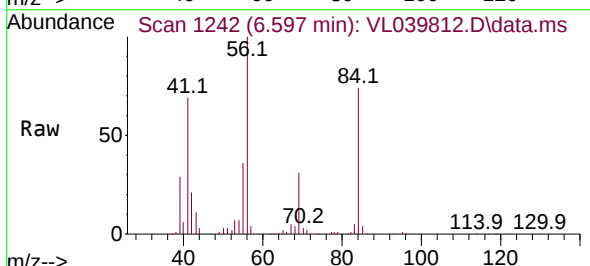
Manual Integrations  
APPROVED

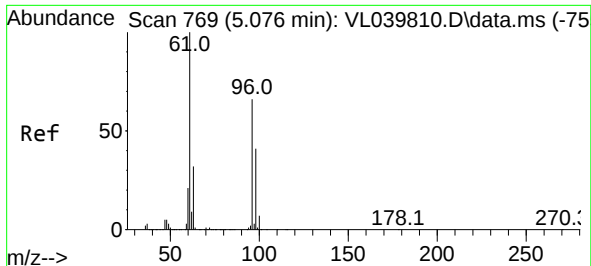
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022



#30  
Cyclohexane  
Concen: 1.197 ppbv m  
RT: 6.597 min Scan# 1242  
Delta R.T. 0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

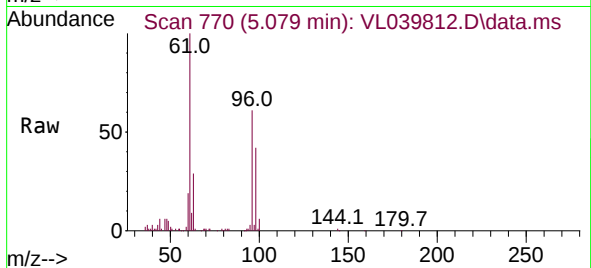
Tgt Ion: 84 Resp: 104007  
Ion Ratio Lower Upper  
84 100  
56 139.0 114.8 172.2  
41 0.0 68.6 103.0#





#31  
cis-1,2-Dichloroethene  
Concen: 1.075 ppbv m  
RT: 5.079 min Scan# 769  
Delta R.T. 0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

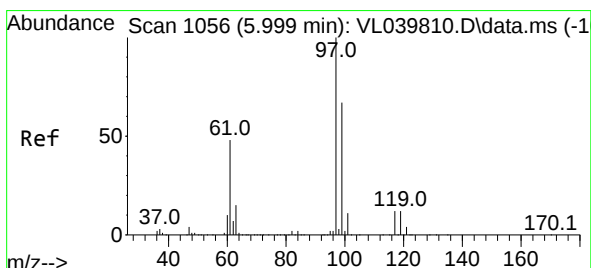
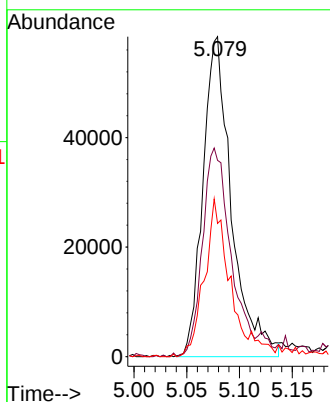
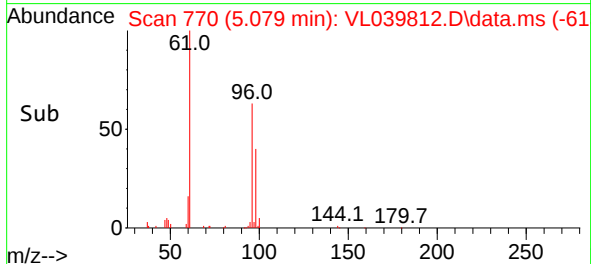
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



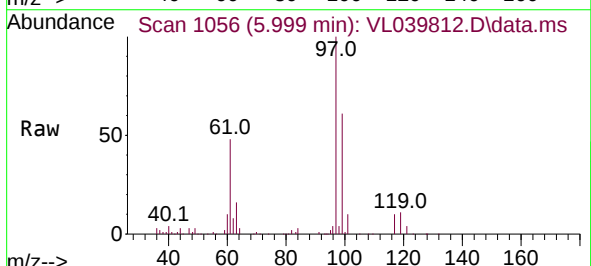
Tgt Ion: 61 Resp: 110113  
Ion Ratio Lower Upper  
61 100  
96 61.3 52.6 78.8  
98 41.6 32.6 48.8

Manual Integrations  
APPROVED

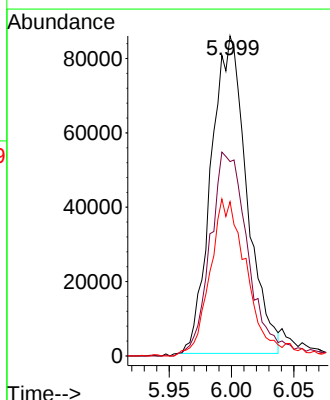
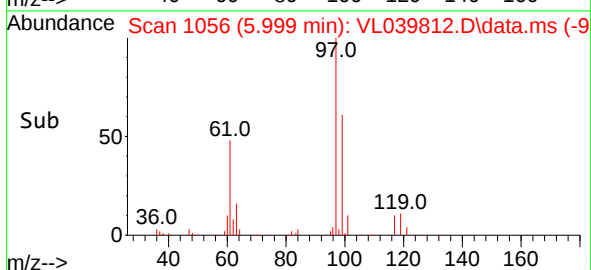
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022

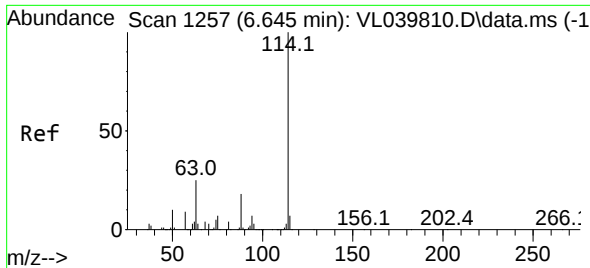


#32  
1,1,1-Trichloroethane  
Concen: 1.125 ppbv  
RT: 5.999 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01



Tgt Ion: 97 Resp: 170247  
Ion Ratio Lower Upper  
97 100  
99 69.6 52.7 79.1  
61 52.3 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL039812.D

Acq: 2 Nov 2022 12:01

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC001

Tgt Ion:114 Resp: 3000946

Ion Ratio Lower Upper

114 100

63 24.6 19.8 29.6

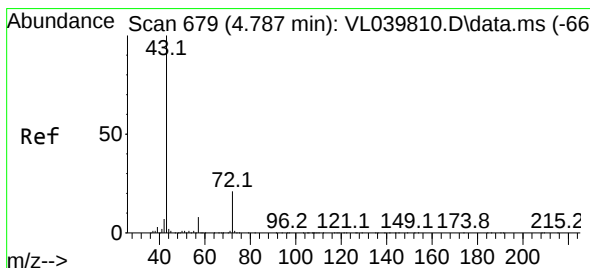
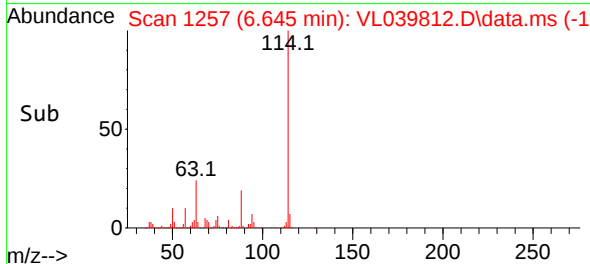
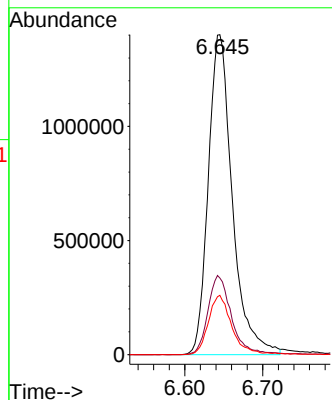
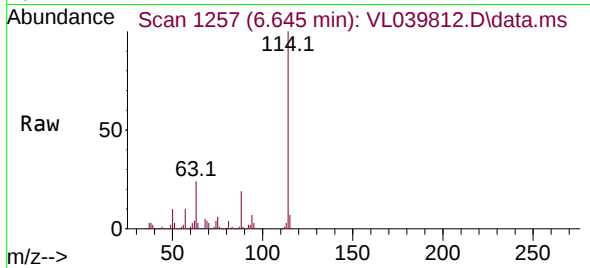
88 18.2 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/03/2022

Supervised By :Mahesh Dadoda 11/03/2022



#34

2-Butanone

Concen: 0.833 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.010 min

Lab File: VL039812.D

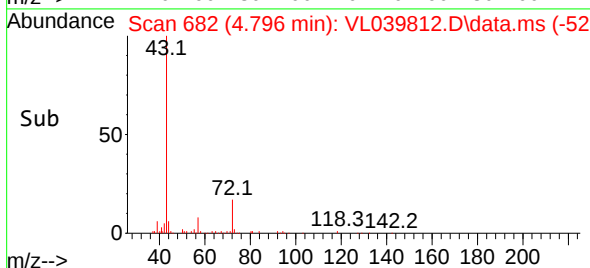
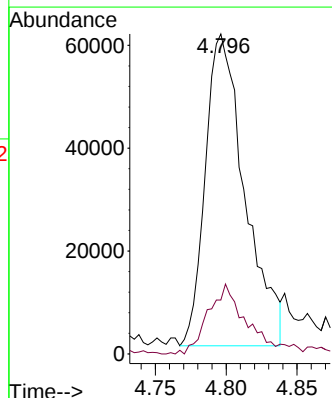
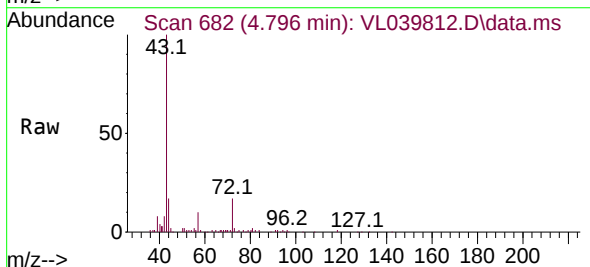
Acq: 2 Nov 2022 12:01

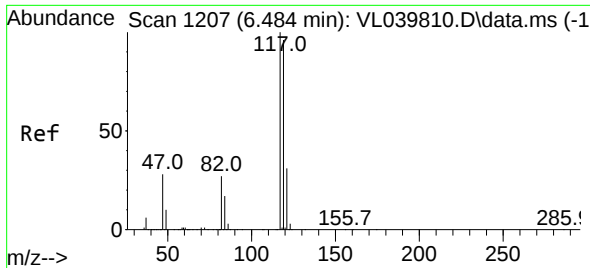
Tgt Ion: 43 Resp: 117581

Ion Ratio Lower Upper

43 100

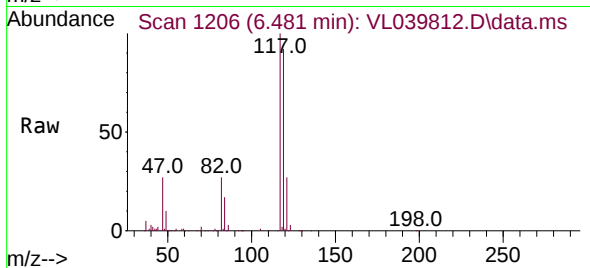
72 22.1 17.5 26.3





#35  
Carbon Tetrachloride  
Concen: 1.056 ppbv  
RT: 6.481 min Scan# 1170  
Delta R.T. -0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

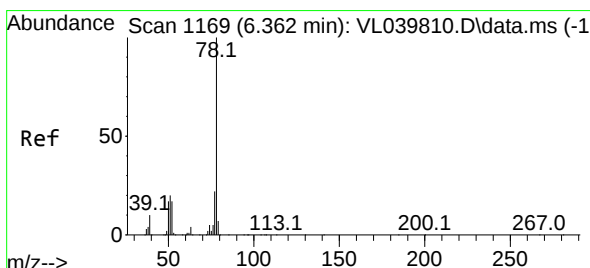
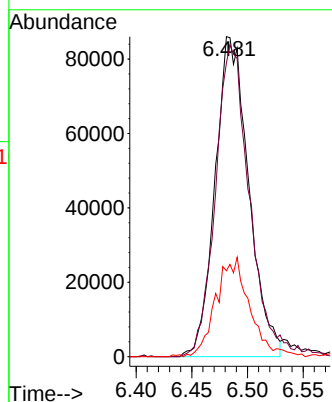
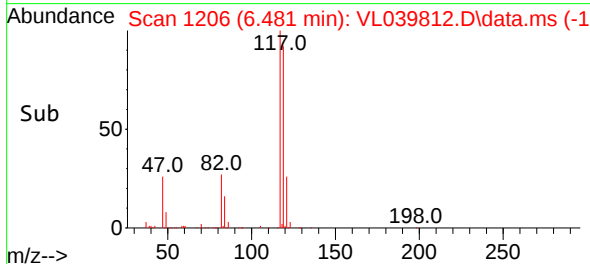
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



Tgt Ion: 117 Resp: 18062  
Ion Ratio Lower Upper  
117 100  
119 91.8 76.5 114.7  
121 26.2 25.2 37.8

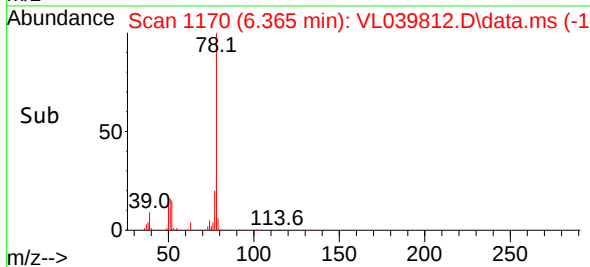
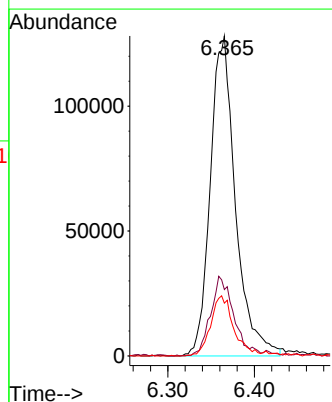
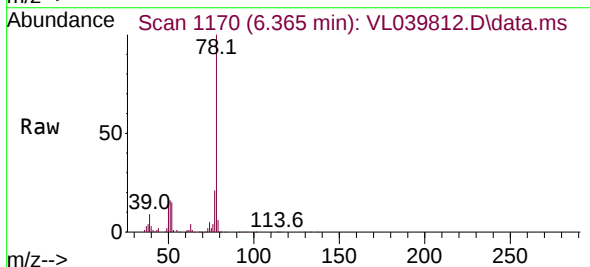
Manual Integrations  
APPROVED

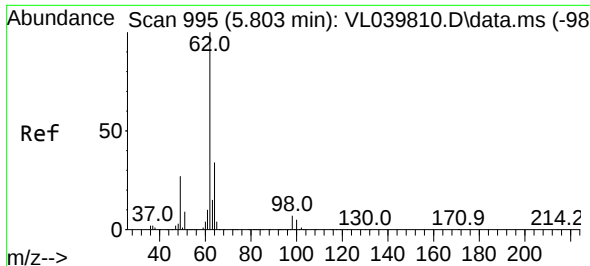
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022



#36  
Benzene  
Concen: 1.118 ppbv  
RT: 6.365 min Scan# 1170  
Delta R.T. 0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

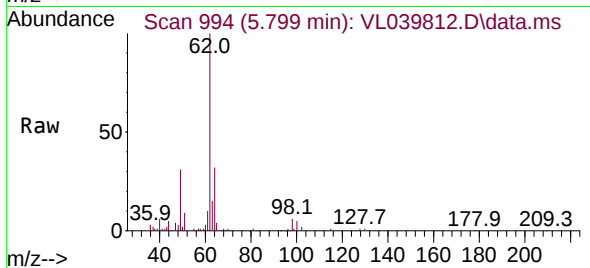
Tgt Ion: 78 Resp: 258433  
Ion Ratio Lower Upper  
78 100  
77 20.7 17.4 26.2  
50 16.5 13.9 20.9





#37  
1,2-Dichloroethane  
Concen: 0.931 ppbv  
RT: 5.799 min Scan# 995  
Delta R.T. -0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

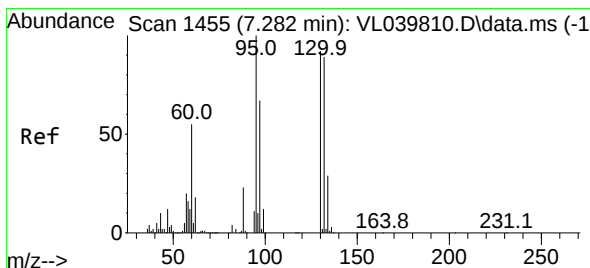
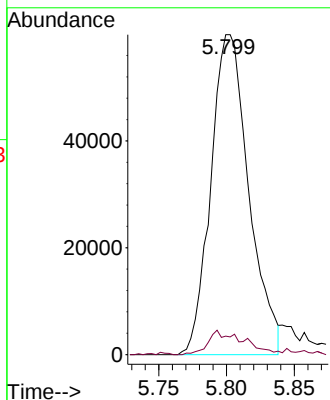
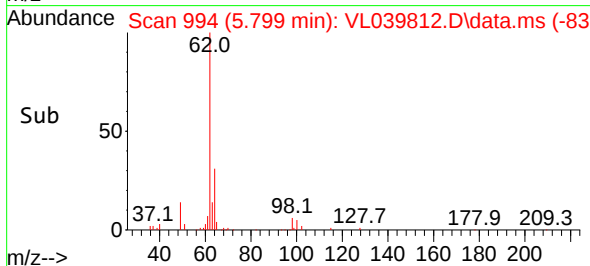
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC001



Tgt Ion: 62 Resp: 116916  
Ion Ratio Lower Upper  
62 100  
98 8.0 5.4 8.2

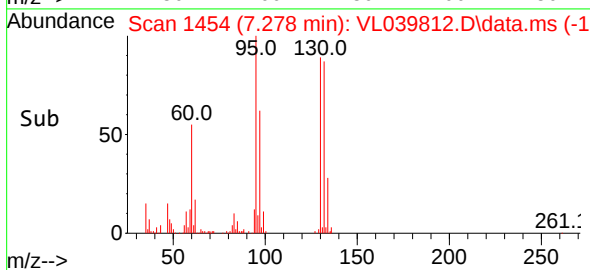
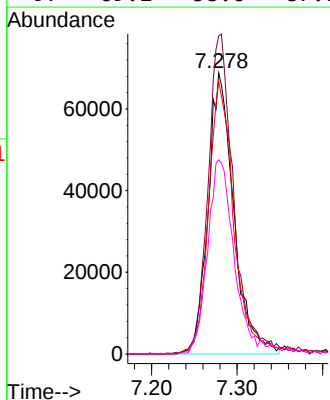
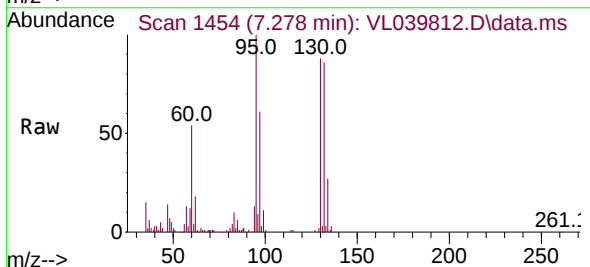
Manual Integrations  
APPROVED

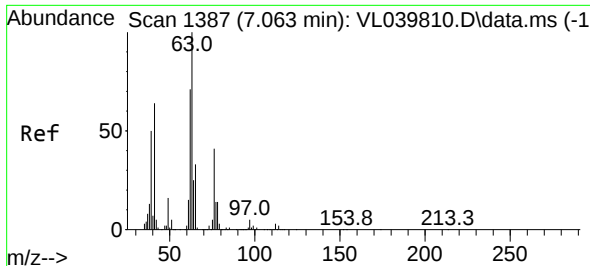
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022



#38  
Trichloroethene  
Concen: 1.100 ppbv m  
RT: 7.278 min Scan# 1454  
Delta R.T. -0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

Tgt Ion:130 Resp: 143454  
Ion Ratio Lower Upper  
130 100  
95 113.1 87.4 131.2  
132 97.0 77.7 116.5  
97 69.1 58.6 87.8





#39

1,2-Dichloropropane

Concen: 1.090 ppbv

RT: 7.066 min Scan# 1387

Delta R.T. 0.003 min

Lab File: VL039812.D

Acq: 2 Nov 2022 12:01

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC001

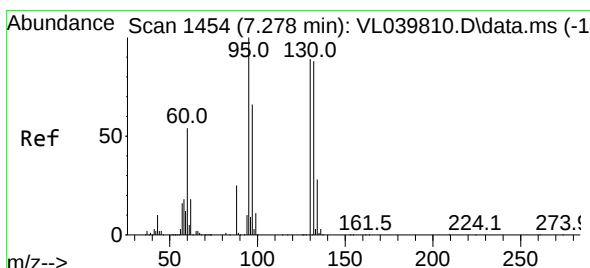
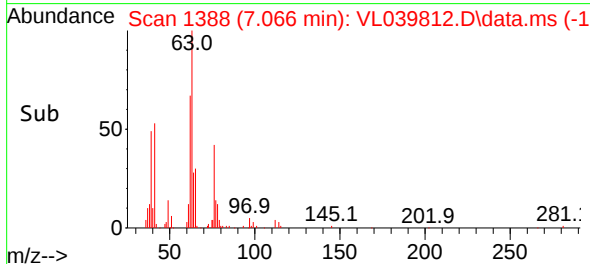
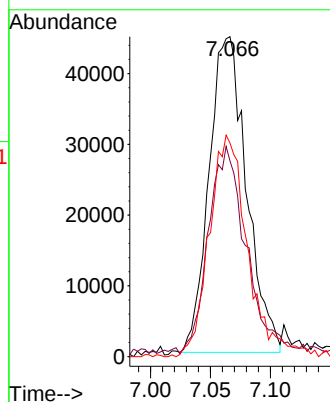
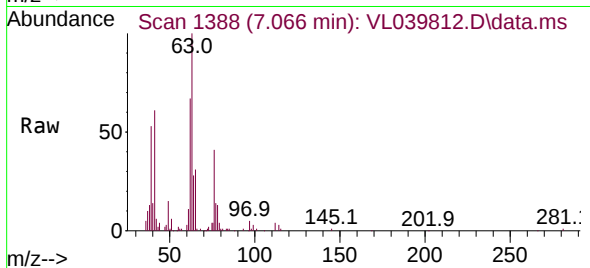
Tgt Ion: 63 Resp: 97046

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 41  | 60.3  | 51.0  | 76.4  |
| 62  | 67.0  | 56.6  | 85.0  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022



#40

1,4-Dioxane

Concen: 1.173 ppbv m

RT: 7.295 min Scan# 1459

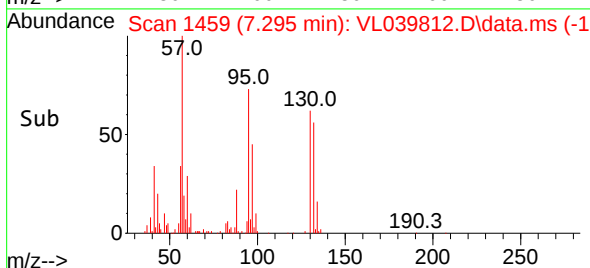
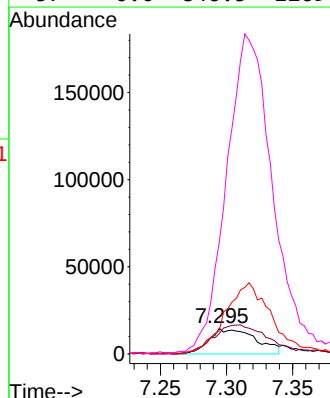
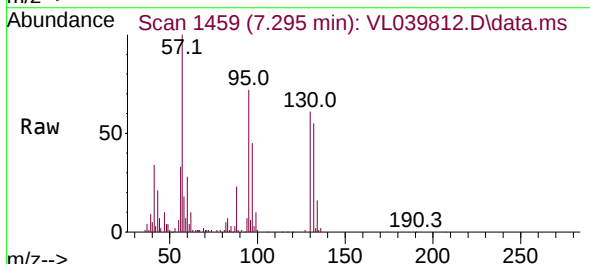
Delta R.T. 0.016 min

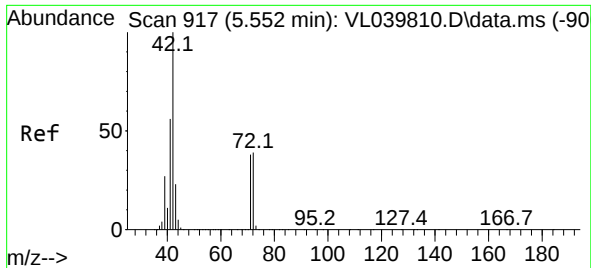
Lab File: VL039812.D

Acq: 2 Nov 2022 12:01

Tgt Ion: 88 Resp: 35589

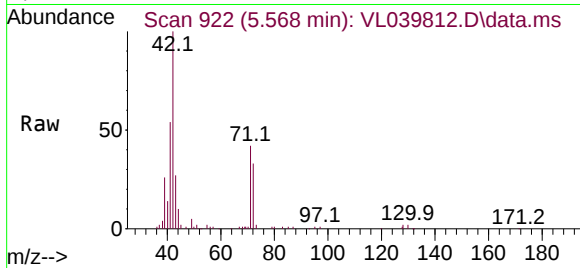
| Ion | Ratio | Lower | Upper   |
|-----|-------|-------|---------|
| 88  | 100   |       |         |
| 58  | 0.0   | 99.5  | 149.3#  |
| 43  | 0.0   | 189.7 | 284.5#  |
| 57  | 0.0   | 846.5 | 1269.7# |





#41  
Tetrahydrofuran  
Concen: 1.204 ppbv m  
RT: 5.568 min Scan# 917  
Delta R.T. 0.016 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

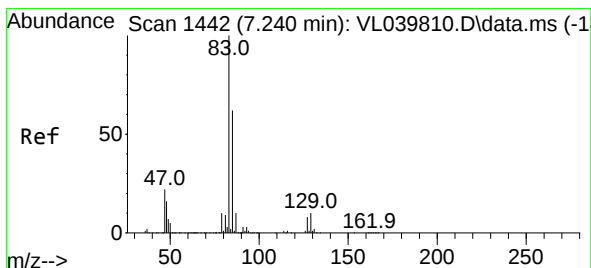
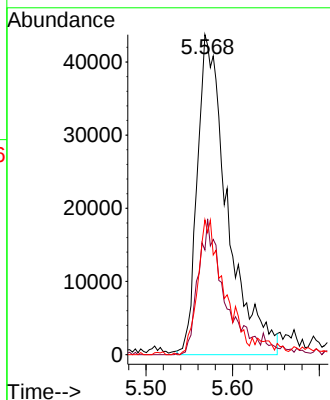
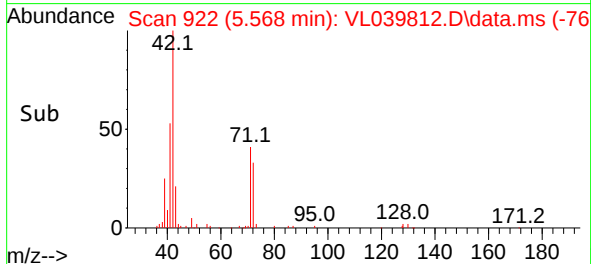
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



Tgt Ion: 42 Resp: 105594  
Ion Ratio Lower Upper  
42 100  
72 39.8 31.4 47.2  
71 40.8 31.5 47.3

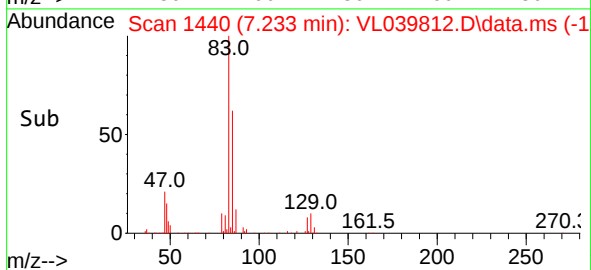
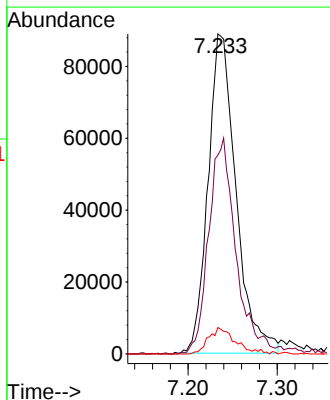
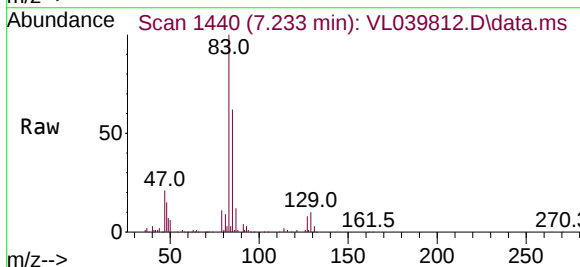
Manual Integrations  
APPROVED

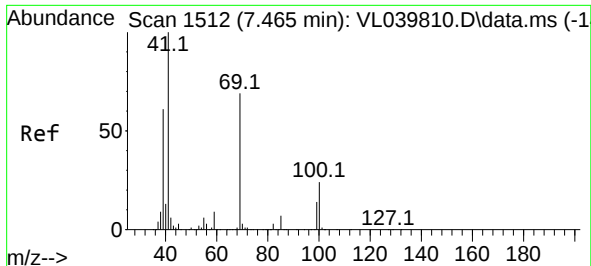
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022



#42  
Bromodichloromethane  
Concen: 1.098 ppbv  
RT: 7.233 min Scan# 1440  
Delta R.T. -0.006 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

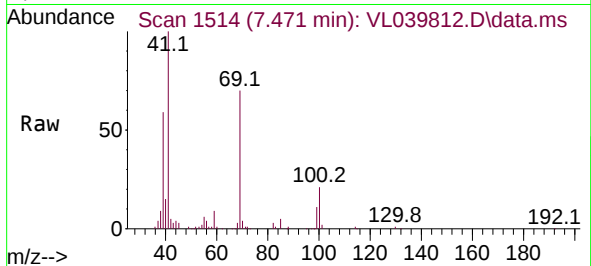
Tgt Ion: 83 Resp: 194133  
Ion Ratio Lower Upper  
83 100  
85 62.3 49.9 74.9  
127 8.2 6.4 9.6





#43  
Methyl Methacrylate  
Concen: 1.187 ppbv  
RT: 7.471 min Scan# 1512  
Delta R.T. 0.006 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

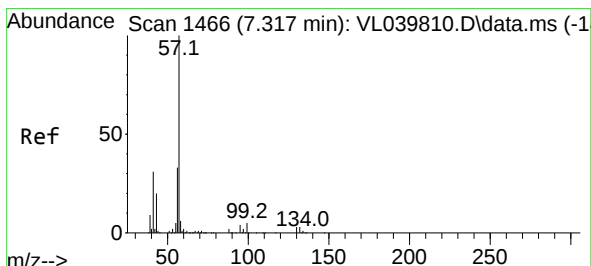
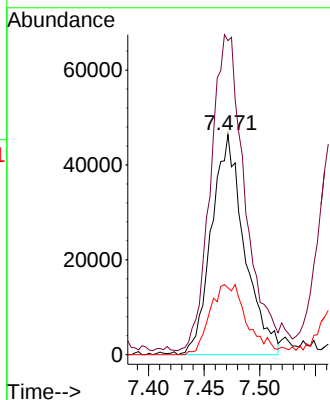
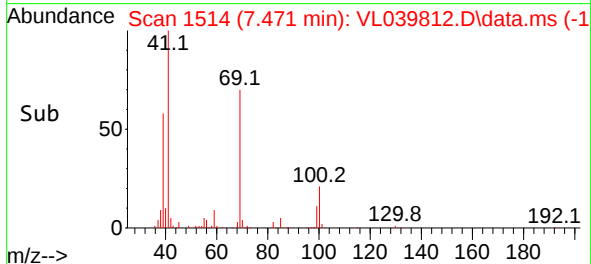
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



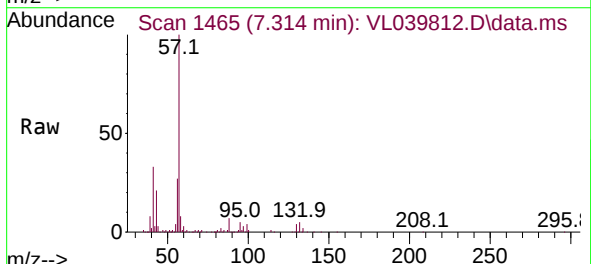
Tgt Ion: 69 Resp: 95556  
Ion Ratio Lower Upper  
69 100  
41 154.2 115.7 173.5  
100 37.0 25.9 38.9

Manual Integrations  
APPROVED

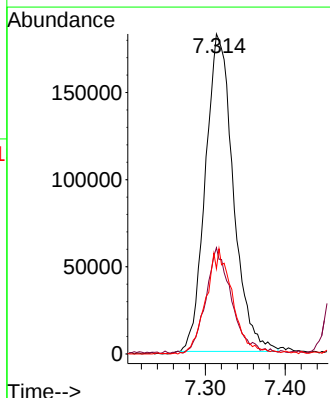
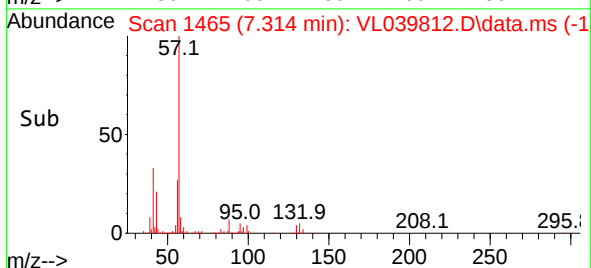
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022

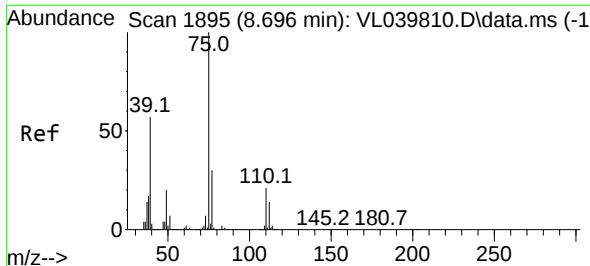


#44  
2,2,4-Trimethylpentane  
Concen: 1.142 ppbv  
RT: 7.314 min Scan# 1465  
Delta R.T. -0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01



Tgt Ion: 57 Resp: 441148  
Ion Ratio Lower Upper  
57 100  
41 30.3 24.6 36.8  
56 32.2 25.4 38.0





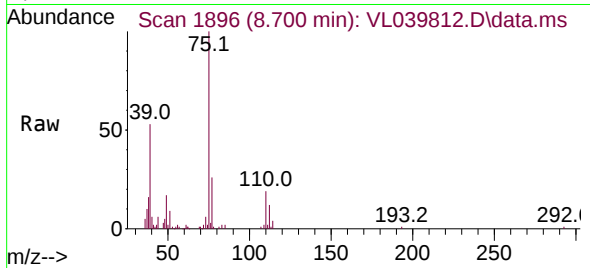
#45  
 t-1,3-Dichloropropene  
 Concen: 1.344 ppbv  
 RT: 8.700 min Scan# 1896  
 Delta R.T. 0.003 min  
 Lab File: VL039812.D  
 Acq: 2 Nov 2022 12:01

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC001

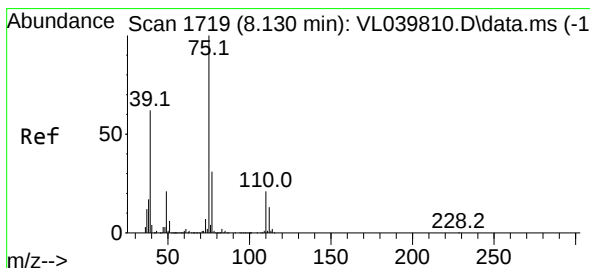
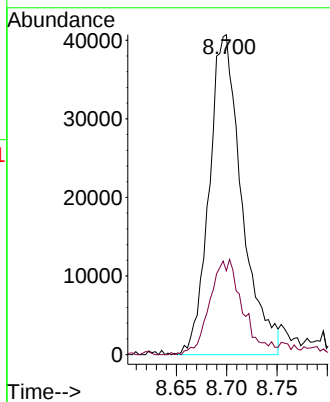
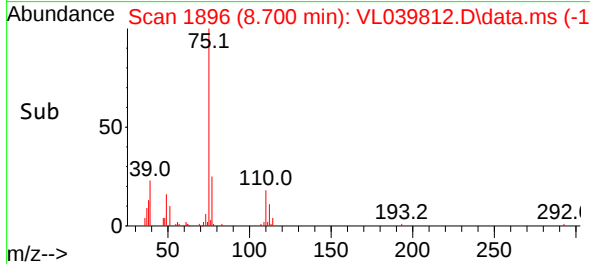


Tgt Ion: 75 Resp: 91896  
 Ion Ratio Lower Upper  
 75 100  
 77 26.2 24.4 36.6

Manual Integrations

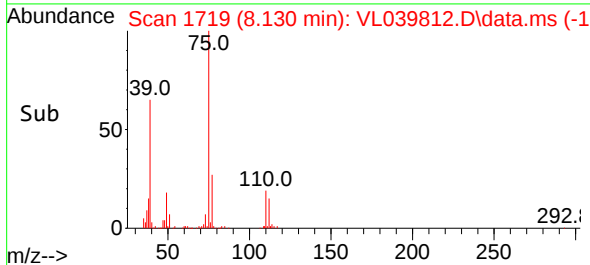
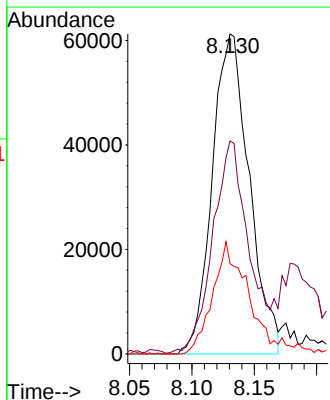
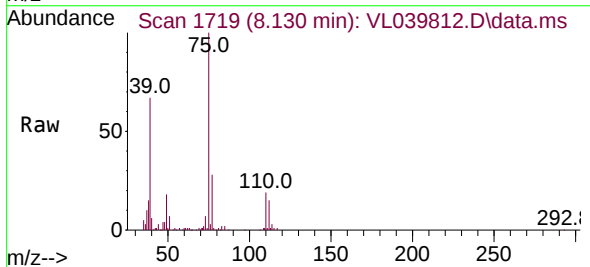
APPROVED

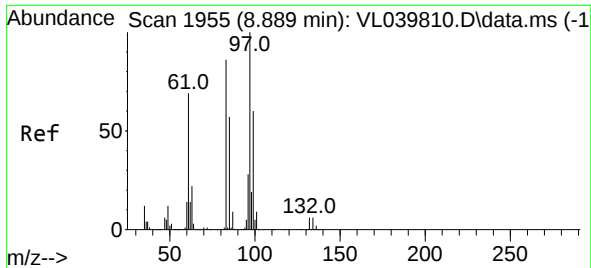
Reviewed By :Semsettin Yesilyurt 11/03/2022  
 Supervised By :Mahesh Dadoda 11/03/2022



#46  
 cis-1,3-Dichloropropene  
 Concen: 1.284 ppbv  
 RT: 8.130 min Scan# 1719  
 Delta R.T. 0.000 min  
 Lab File: VL039812.D  
 Acq: 2 Nov 2022 12:01

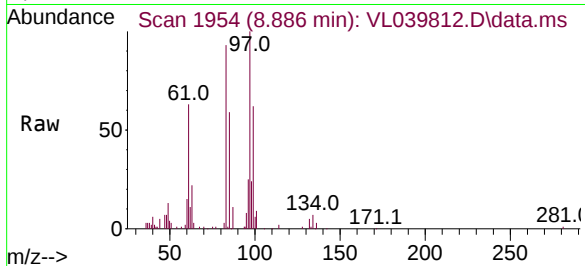
Tgt Ion: 75 Resp: 126026  
 Ion Ratio Lower Upper  
 75 100  
 39 65.1 50.0 75.0  
 77 28.2 25.1 37.7





#47  
1,1,2-Trichloroethane  
Concen: 1.057 ppbv m  
RT: 8.886 min Scan# 1954  
Delta R.T. -0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

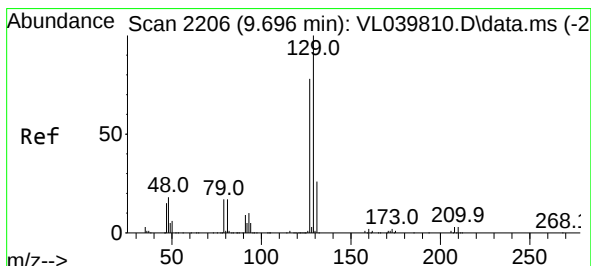
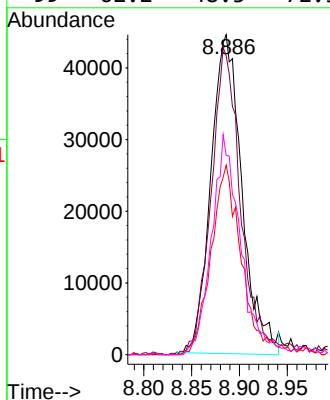
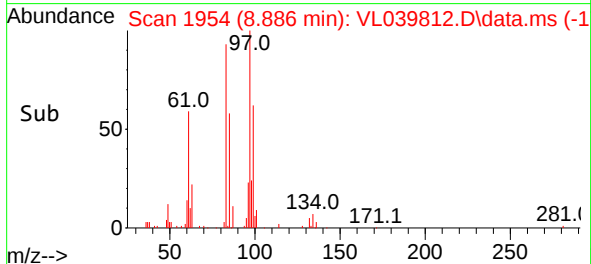
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



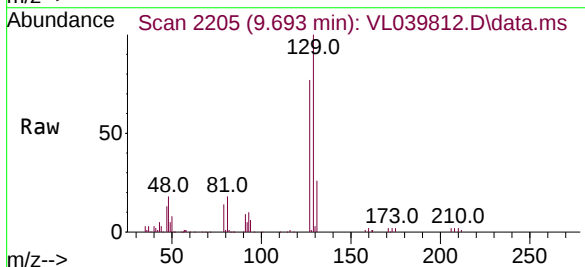
Tgt Ion: 97 Resp: 100772  
Ion Ratio Lower Upper  
97 100  
83 93.3 68.8 103.2  
85 59.2 45.8 68.6  
99 62.2 48.3 72.5

Manual Integrations  
APPROVED

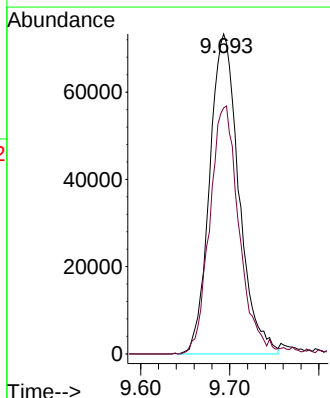
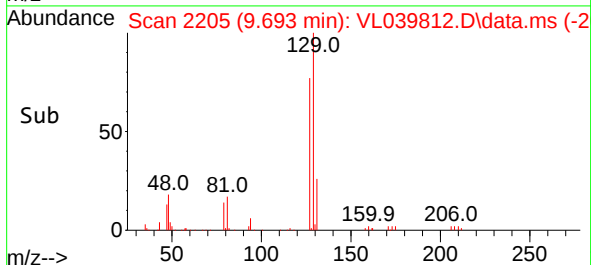
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022

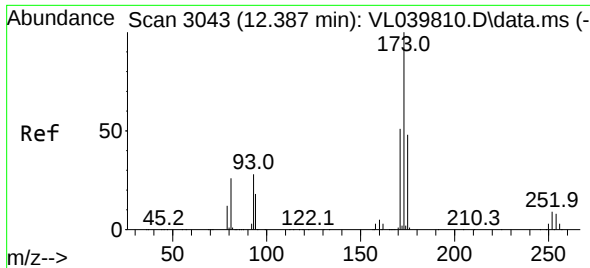


#48  
Dibromochloromethane  
Concen: 1.091 ppbv  
RT: 9.693 min Scan# 2205  
Delta R.T. -0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01



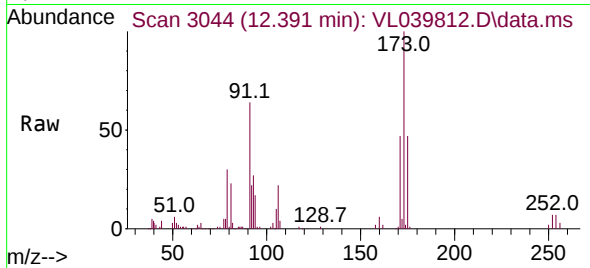
Tgt Ion:129 Resp: 167437  
Ion Ratio Lower Upper  
129 100  
127 78.8 39.4 118.1





#49  
Bromoform  
Concen: 1.083 ppbv  
RT: 12.391 min Scan# 3043  
Delta R.T. 0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

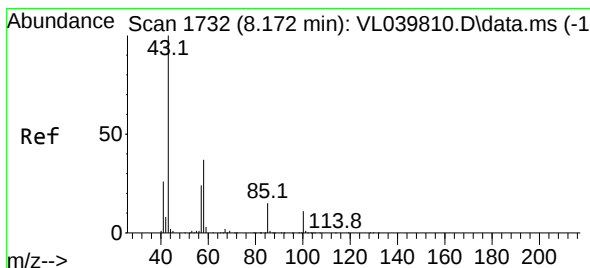
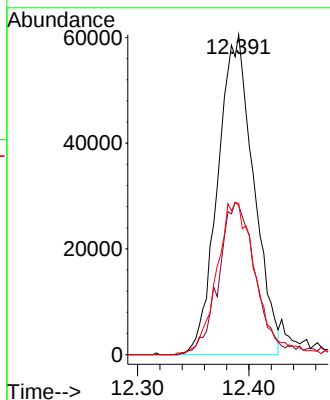
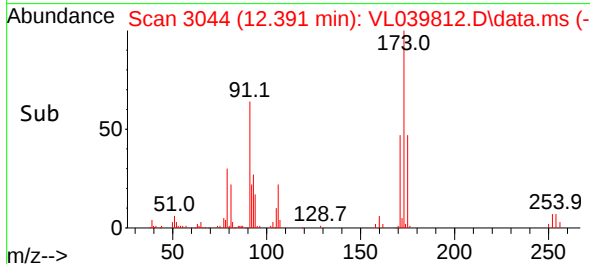
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



Tgt Ion: 173 Resp: 135408  
Ion Ratio Lower Upper  
173 100  
175 50.8 39.7 59.5  
171 51.6 41.7 62.5

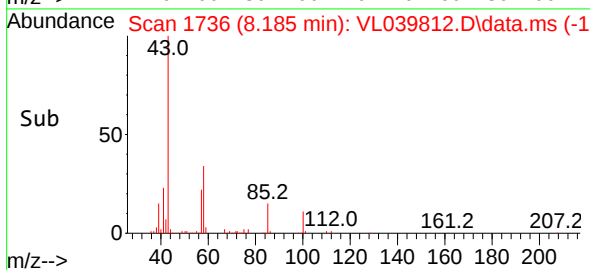
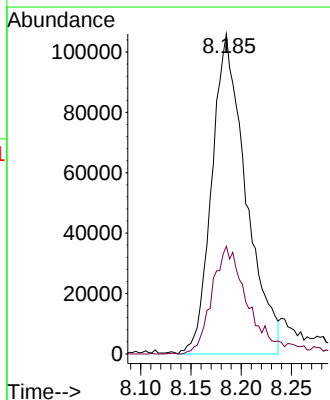
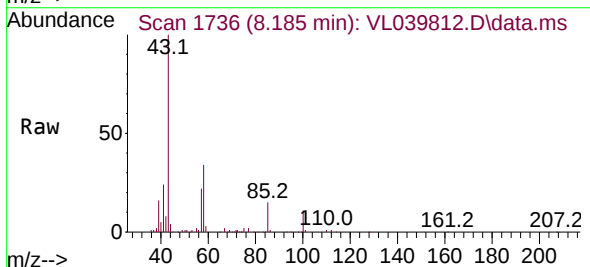
Manual Integrations  
APPROVED

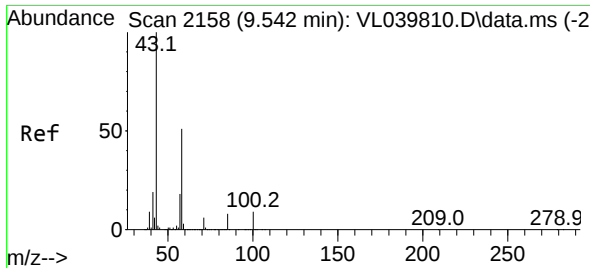
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022



#50  
4-Methyl-2-Pentanone  
Concen: 1.131 ppbv  
RT: 8.185 min Scan# 1736  
Delta R.T. 0.013 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

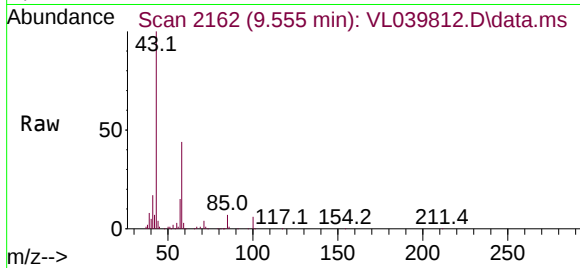
Tgt Ion: 43 Resp: 250457  
Ion Ratio Lower Upper  
43 100  
58 38.0 29.8 44.6





#51  
2-Hexanone  
Concen: 1.198 ppbv m  
RT: 9.555 min Scan# 2158  
Delta R.T. 0.013 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

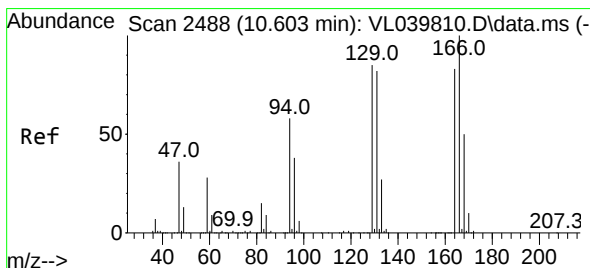
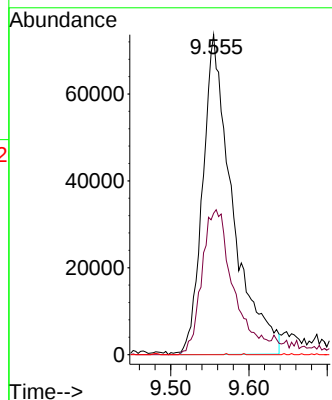
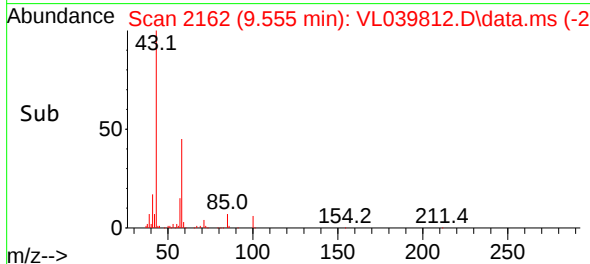
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC001



Tgt Ion: 43 Resp: 194222  
Ion Ratio Lower Upper  
43 100  
58 52.5 40.5 60.7  
98 0.0 0.1 0.1

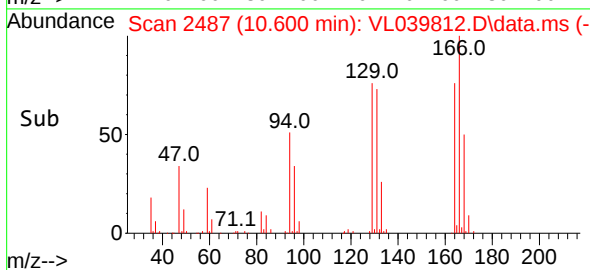
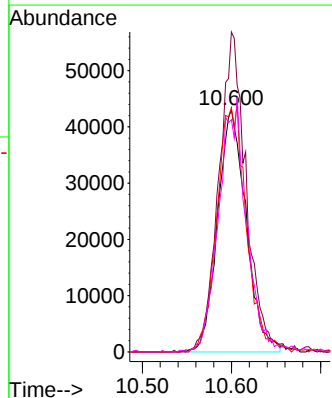
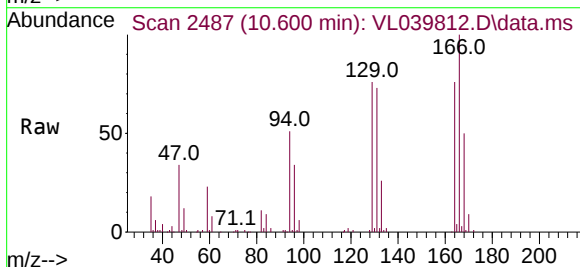
Manual Integrations  
APPROVED

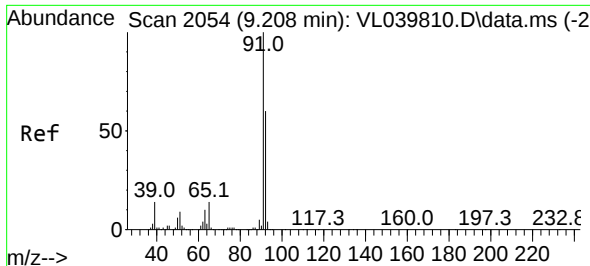
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022



#52  
Tetrachloroethene  
Concen: 1.105 ppbv  
RT: 10.600 min Scan# 2487  
Delta R.T. -0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

Tgt Ion:164 Resp: 95674  
Ion Ratio Lower Upper  
164 100  
166 132.1 96.0 144.0  
129 100.9 81.4 122.2  
131 95.1 78.6 117.8





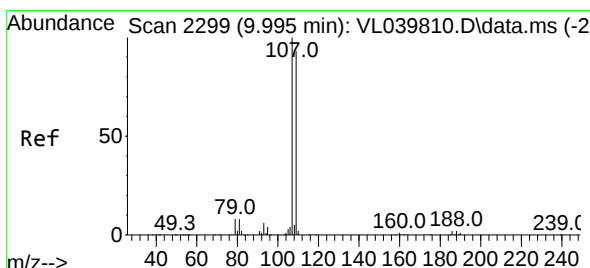
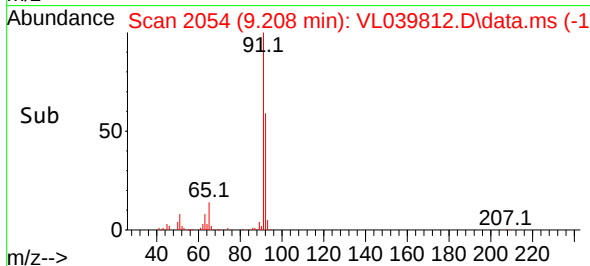
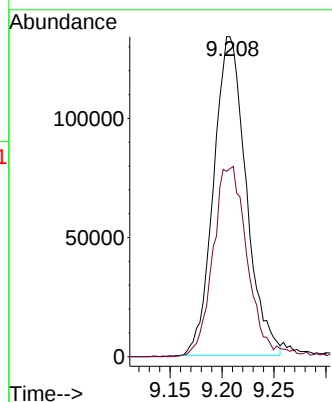
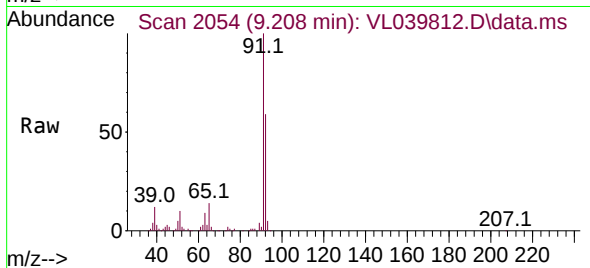
#53  
Toluene  
Concen: 1.202 ppbv  
RT: 9.208 min Scan# 2054  
Delta R.T. 0.000 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC001

Tgt Ion: 91 Resp: 290996  
Ion Ratio Lower Upper  
91 100  
92 63.5 49.6 74.4

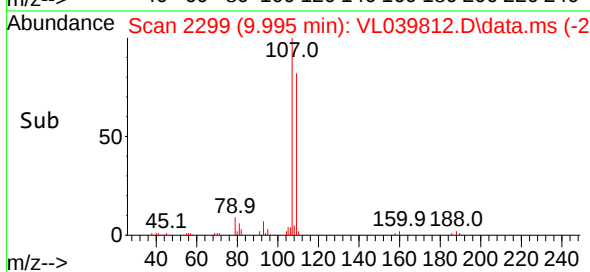
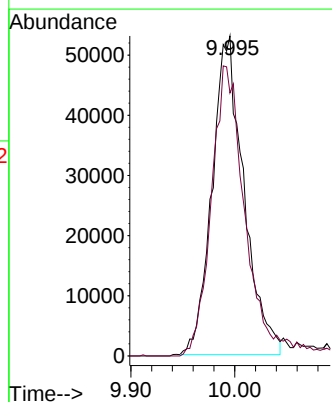
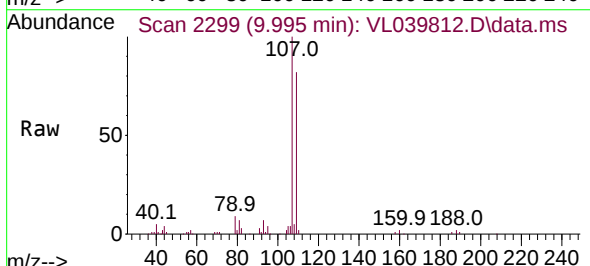
Manual Integrations  
APPROVED

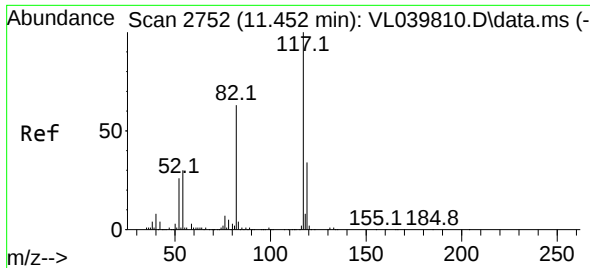
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022



#54  
1,2-Dibromoethane  
Concen: 1.163 ppbv  
RT: 9.995 min Scan# 2299  
Delta R.T. 0.000 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

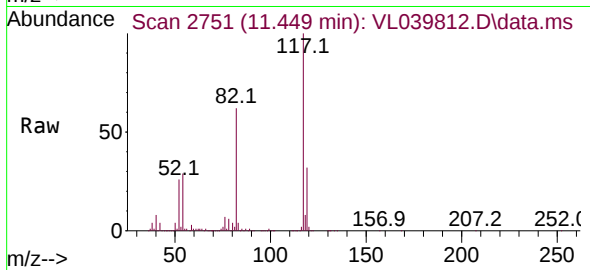
Tgt Ion:107 Resp: 112557  
Ion Ratio Lower Upper  
107 100  
109 82.5 74.5 111.7





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.449 min Scan# 2751  
Delta R.T. -0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

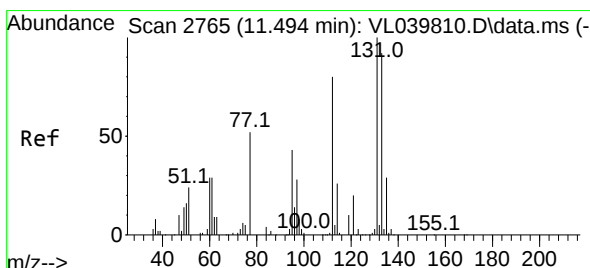
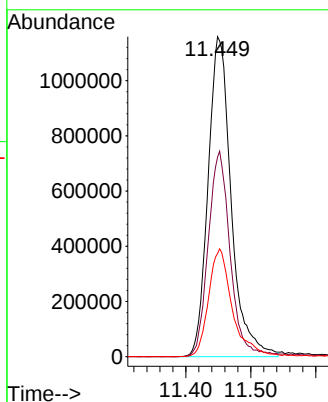
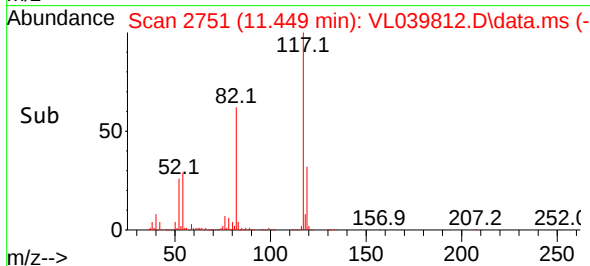
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



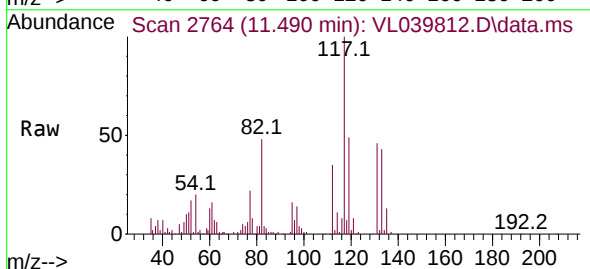
Tgt Ion:117 Resp: 286697  
Ion Ratio Lower Upper  
117 100  
82 61.9 51.0 76.6  
119 35.0 24.7 37.1

Manual Integrations  
APPROVED

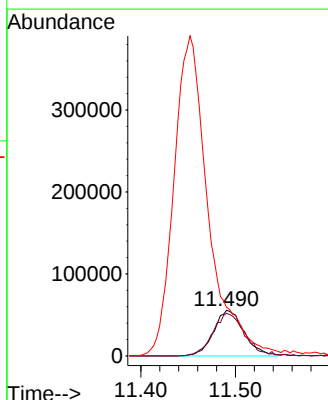
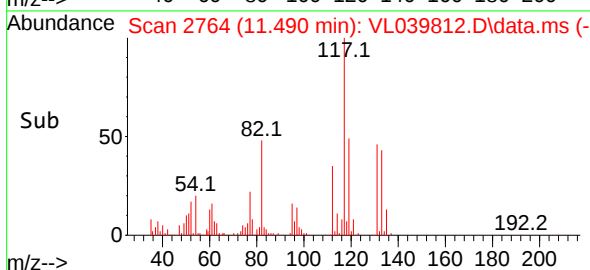
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022

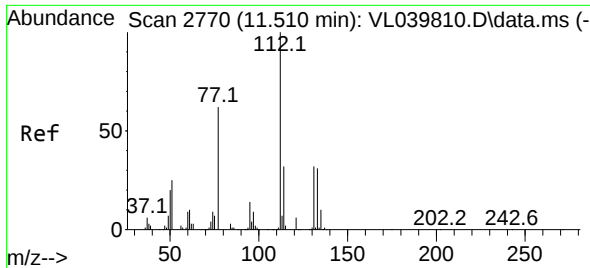


#56  
1,1,1,2-Tetrachloroethane  
Concen: 1.034 ppbv  
RT: 11.490 min Scan# 2764  
Delta R.T. -0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01



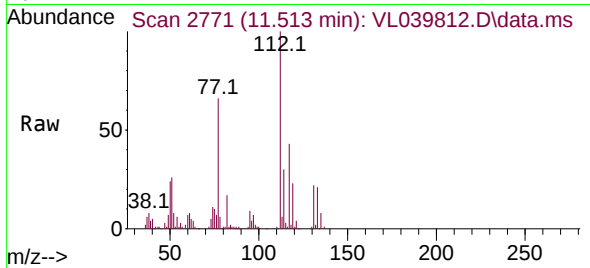
Tgt Ion:131 Resp: 125393  
Ion Ratio Lower Upper  
131 100  
133 97.0 76.9 115.3  
119 800.9 52.2 78.2#





#57  
Chlorobenzene  
Concen: 1.000 ppbv  
RT: 11.513 min Scan# 2112  
Delta R.T. 0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

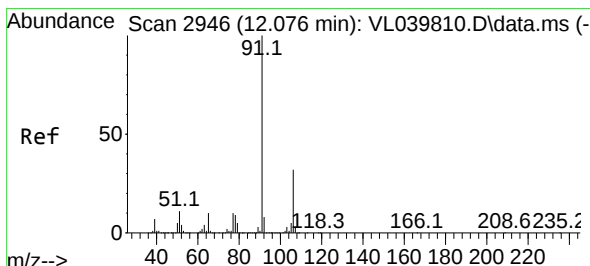
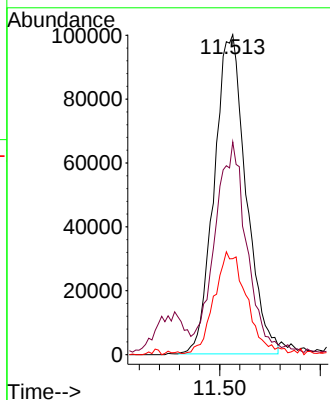
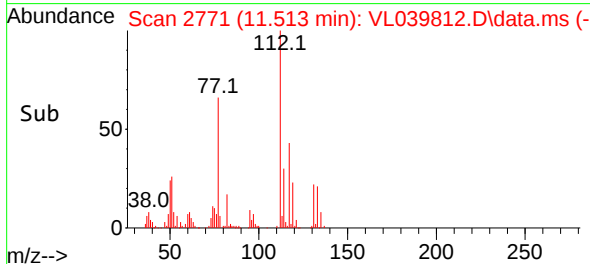
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



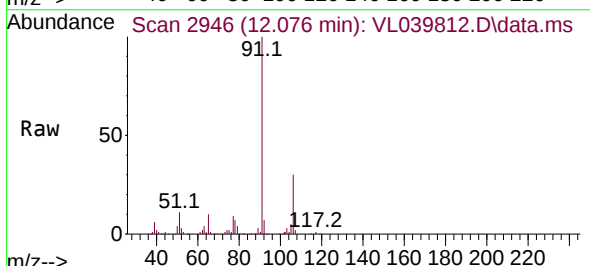
Tgt Ion:112 Resp: 219933  
Ion Ratio Lower Upper  
112 100  
77 63.5 49.8 74.6  
114 29.2 29.0 35.4

Manual Integrations  
APPROVED

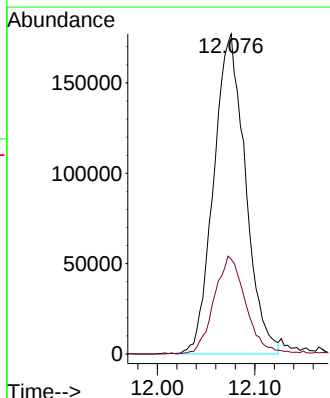
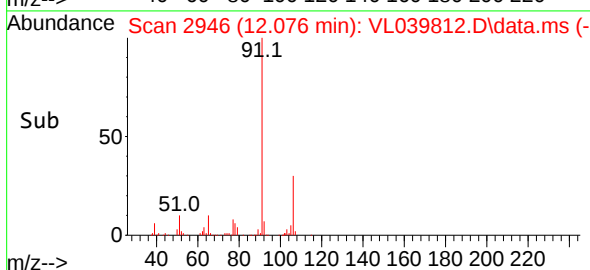
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022

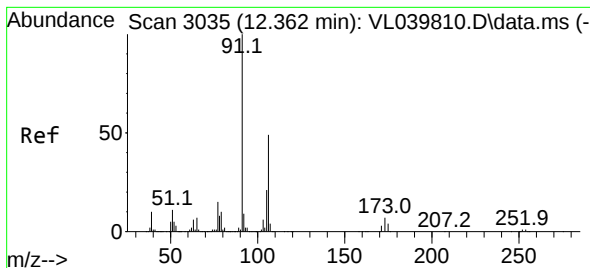


#58  
Ethyl Benzene  
Concen: 1.227 ppbv  
RT: 12.076 min Scan# 2946  
Delta R.T. 0.000 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01



Tgt Ion: 91 Resp: 400828  
Ion Ratio Lower Upper  
91 100  
106 29.3 25.9 38.9





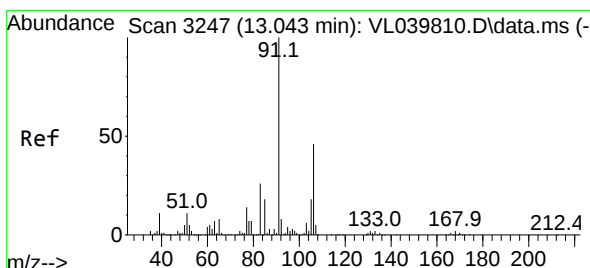
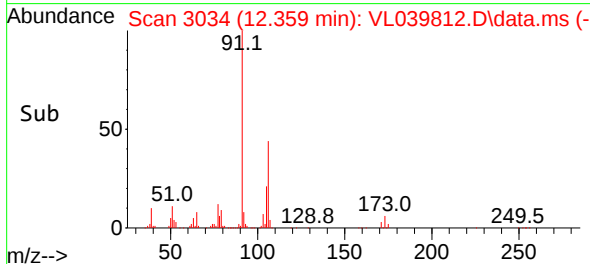
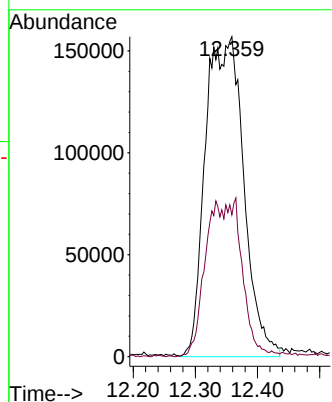
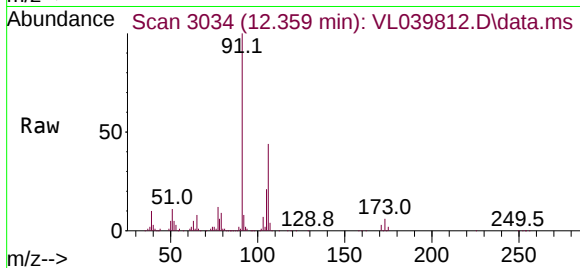
#59  
m/p-Xylene  
Concen: 2.271 ppbv m  
RT: 12.359 min Scan# 3035  
Delta R.T. -0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

Tgt Ion: 91 Resp: 669495  
Ion Ratio Lower Upper  
91 100  
106 46.6 37.6 56.4

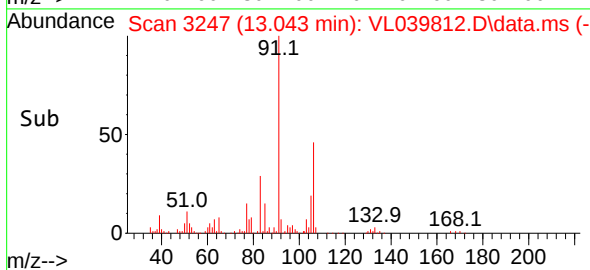
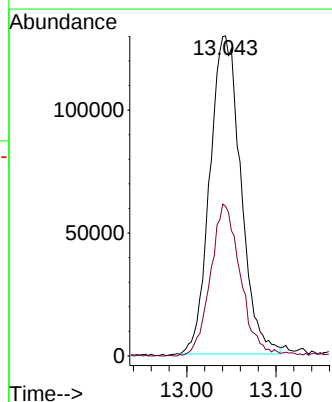
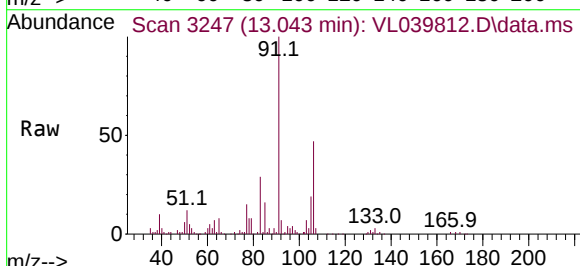
Manual Integrations  
APPROVED

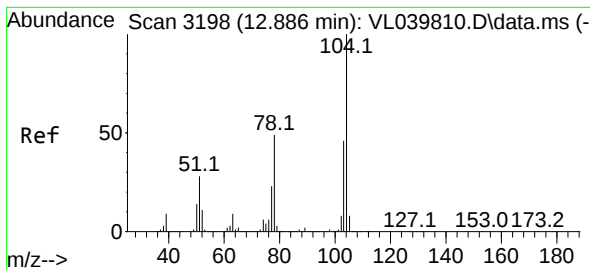
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022



#60  
o-Xylene  
Concen: 1.132 ppbv  
RT: 13.043 min Scan# 3247  
Delta R.T. 0.000 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

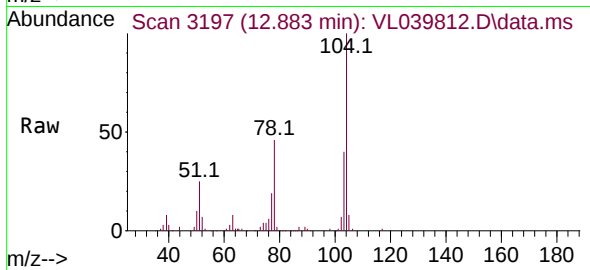
Tgt Ion: 91 Resp: 313019  
Ion Ratio Lower Upper  
91 100  
106 46.5 23.6 70.8





#61  
Styrene  
Concen: 1.310 ppbv  
RT: 12.883 min Scan# 3198  
Delta R.T. -0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

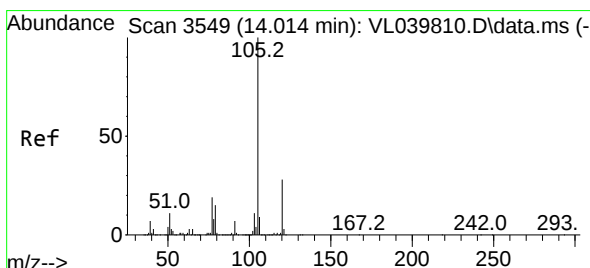
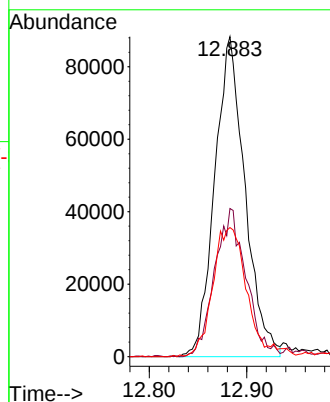
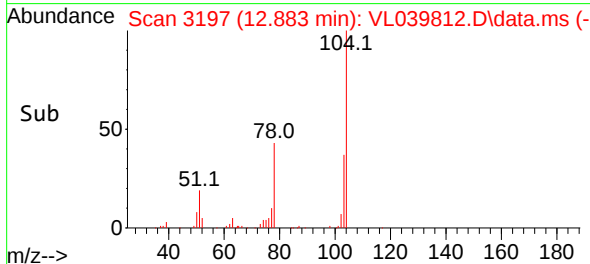
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



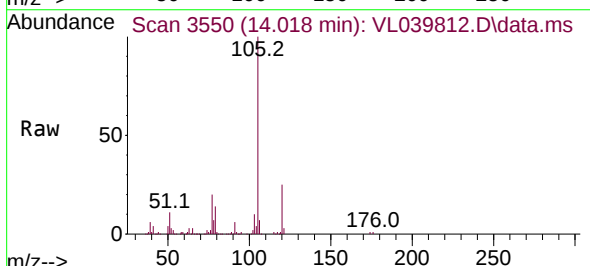
Tgt Ion:104 Resp: 190200  
Ion Ratio Lower Upper  
104 100  
78 49.8 40.2 60.2  
103 47.2 37.5 56.3

Manual Integrations  
APPROVED

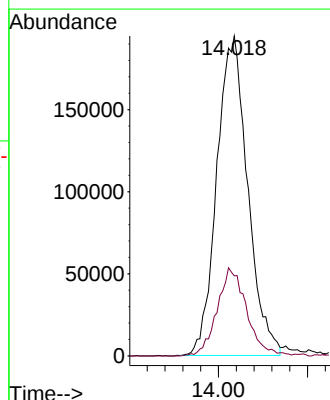
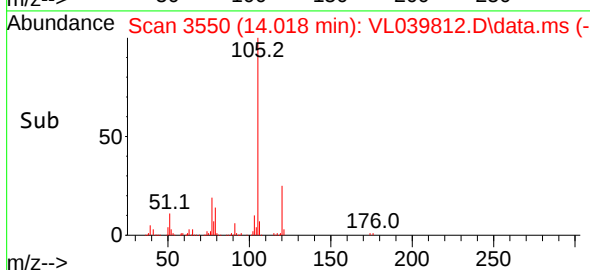
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022

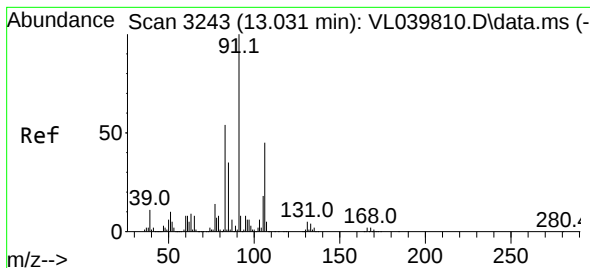


#62  
Isopropylbenzene  
Concen: 1.108 ppbv  
RT: 14.018 min Scan# 3550  
Delta R.T. 0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01



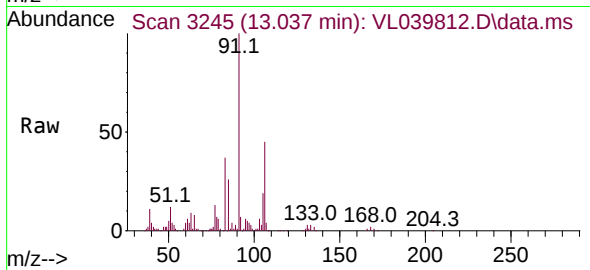
Tgt Ion:105 Resp: 468055  
Ion Ratio Lower Upper  
105 100  
120 26.6 21.7 32.5





#63  
1,1,2,2-Tetrachloroethane  
Concen: 1.001 ppbv m  
RT: 13.037 min Scan# 31  
Delta R.T. 0.007 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

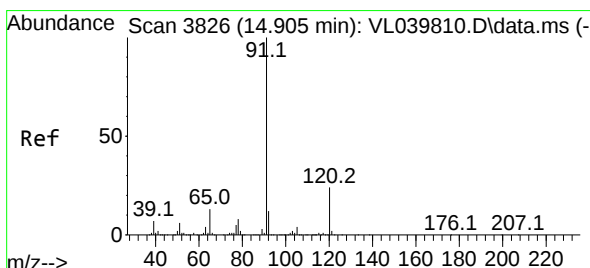
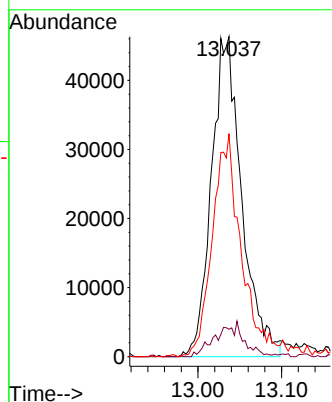
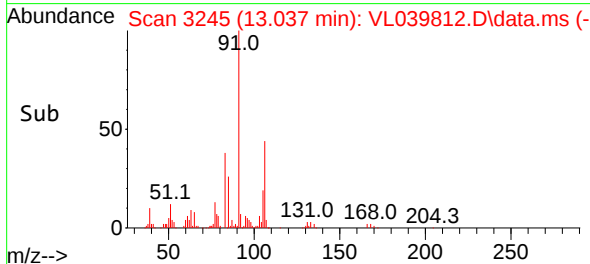
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



Tgt Ion: 83 Resp: 116395  
Ion Ratio Lower Upper  
83 100  
131 0.0 4.6 13.8  
85 0.0 33.3 99.9

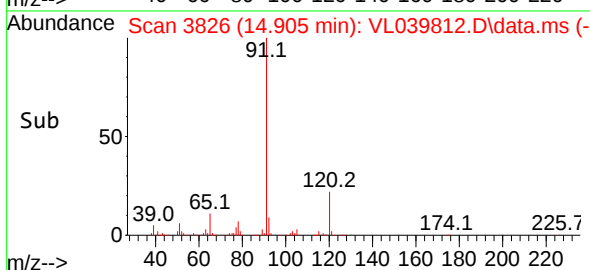
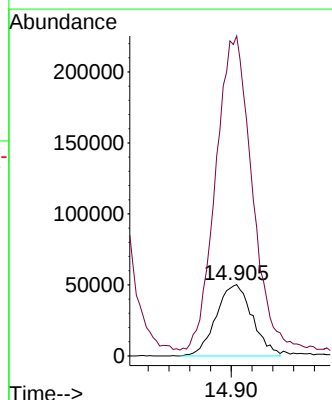
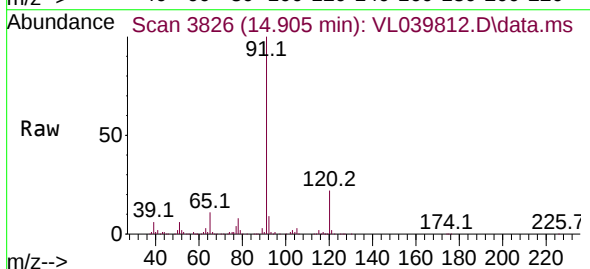
Manual Integrations  
APPROVED

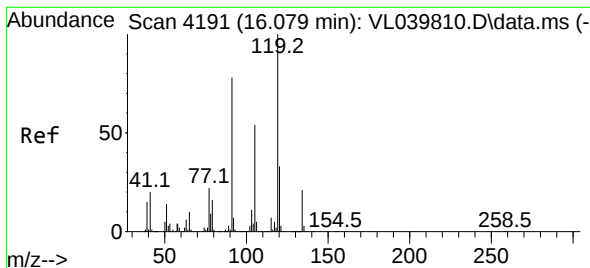
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022



#64  
n-propylbenzene  
Concen: 1.134 ppbv  
RT: 14.905 min Scan# 3826  
Delta R.T. 0.000 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

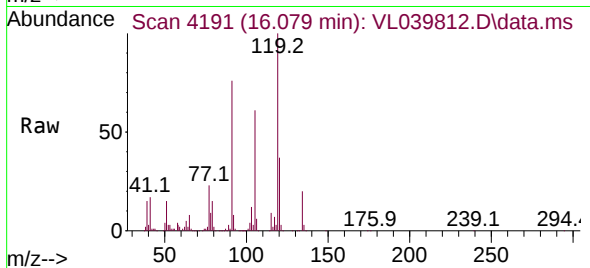
Tgt Ion:120 Resp: 121213  
Ion Ratio Lower Upper  
120 100  
91 473.0 354.9 532.3





#65  
tert-Butylbenzene  
Concen: 1.134 ppbv  
RT: 16.079 min Scan# 4191  
Delta R.T. 0.000 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

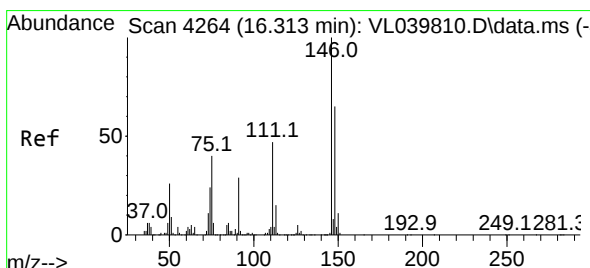
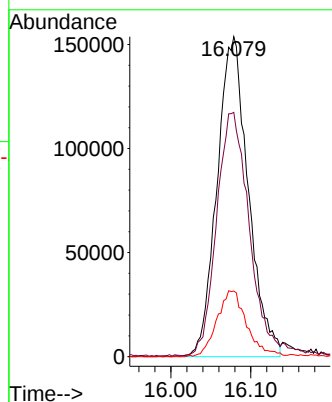
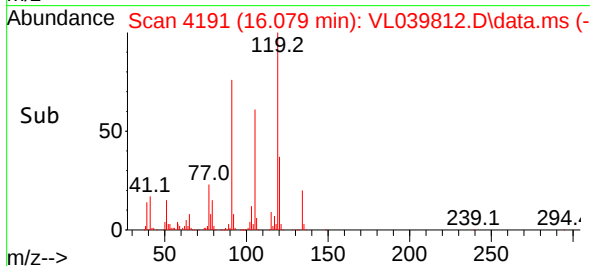
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



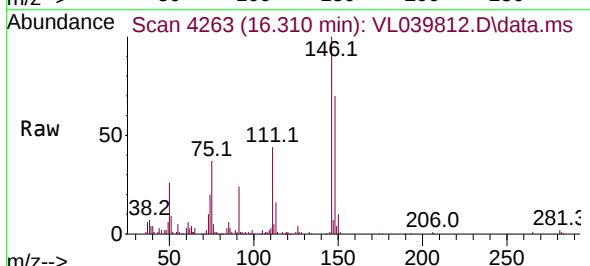
Tgt Ion: 119 Resp: 41738  
Ion Ratio Lower Upper  
119 100  
91 82.0 63.7 95.5  
134 20.2 16.2 24.4

Manual Integrations  
APPROVED

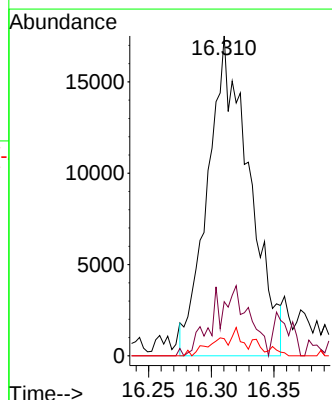
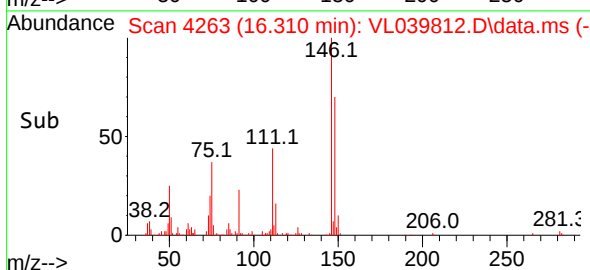
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022

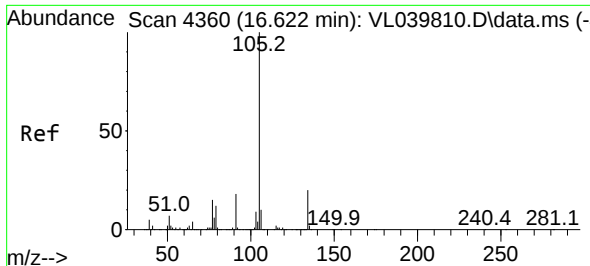


#66  
Benzyl Chloride  
Concen: 1.547 ppbv m  
RT: 16.310 min Scan# 4263  
Delta R.T. -0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01



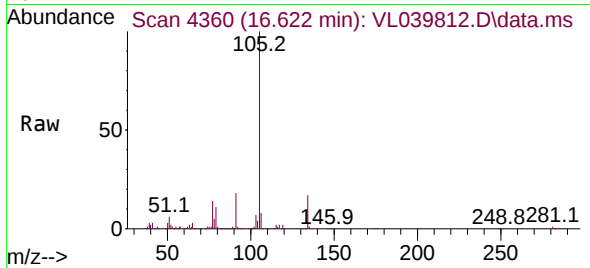
Tgt Ion: 91 Resp: 40383  
Ion Ratio Lower Upper  
91 100  
126 0.0 15.6 23.4#  
128 0.0 4.9 7.3#





#67  
 sec-Butylbenzene  
 Concen: 1.068 ppbv  
 RT: 16.622 min Scan# 4360  
 Delta R.T. 0.000 min  
 Lab File: VL039812.D  
 Acq: 2 Nov 2022 12:01

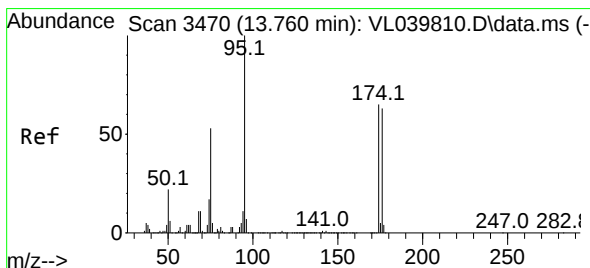
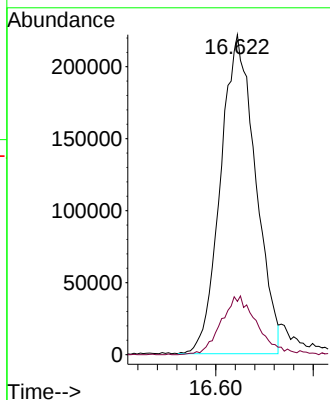
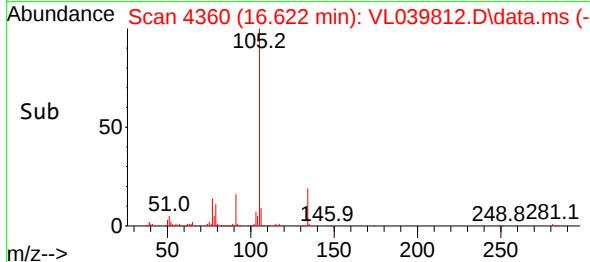
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC001



Tgt Ion:105 Resp: 553730  
 Ion Ratio Lower Upper  
 105 100  
 134 19.1 15.1 22.7

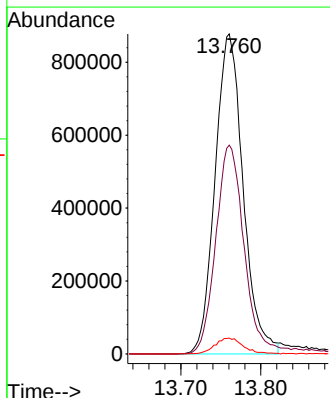
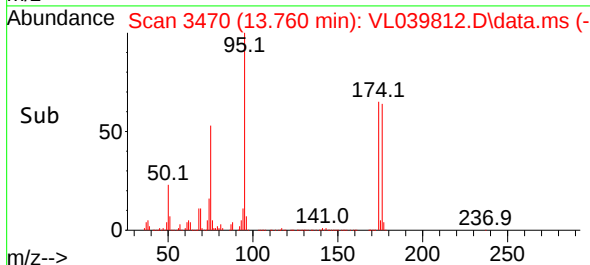
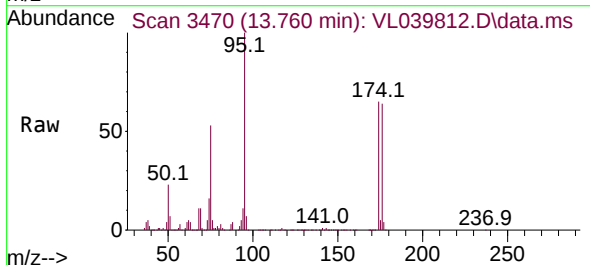
Manual Integrations  
 APPROVED

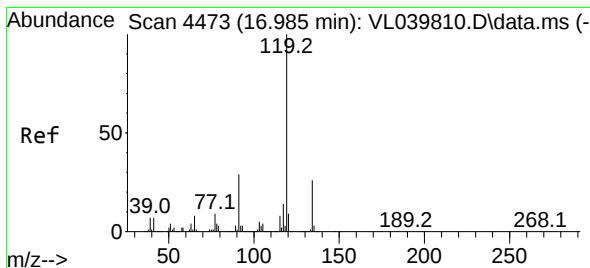
Reviewed By :Semsettin Yesilyurt 11/03/2022  
 Supervised By :Mahesh Dadoda 11/03/2022



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.514 ppbv  
 RT: 13.760 min Scan# 3470  
 Delta R.T. 0.000 min  
 Lab File: VL039812.D  
 Acq: 2 Nov 2022 12:01

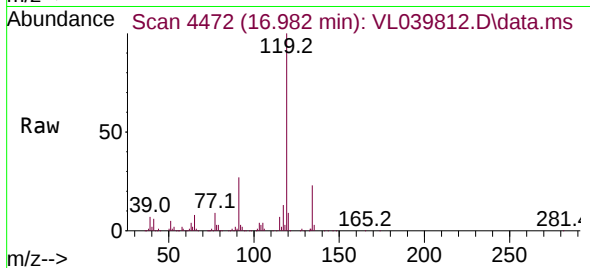
Tgt Ion: 95 Resp: 2144290  
 Ion Ratio Lower Upper  
 95 100  
 174 68.0 53.4 80.0  
 175 5.0 4.1 6.1





#69  
p-Isopropyltoluene  
Concen: 1.094 ppbv  
RT: 16.982 min Scan# 4473  
Delta R.T. -0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

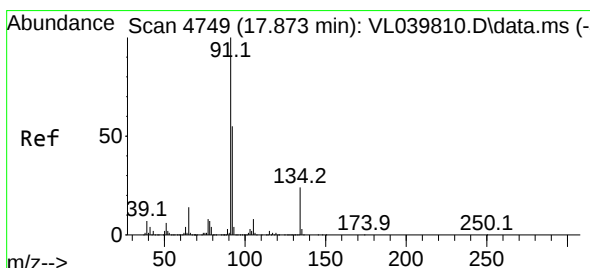
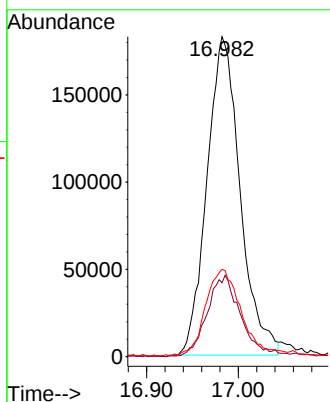
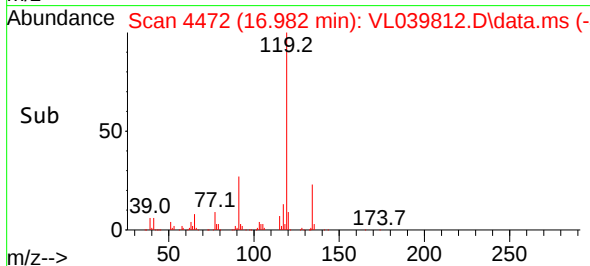
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



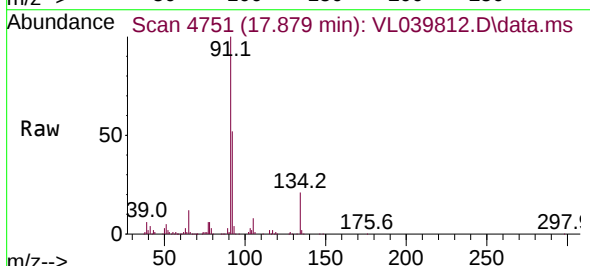
Tgt Ion:119 Resp: 458590  
Ion Ratio Lower Upper  
119 100  
134 26.7 21.0 31.6  
91 30.3 22.8 34.2

Manual Integrations  
APPROVED

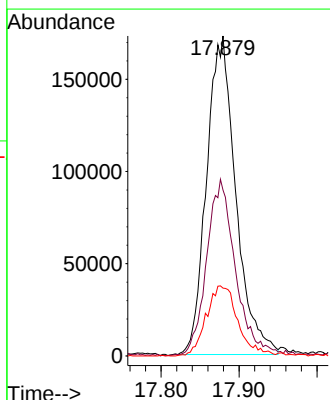
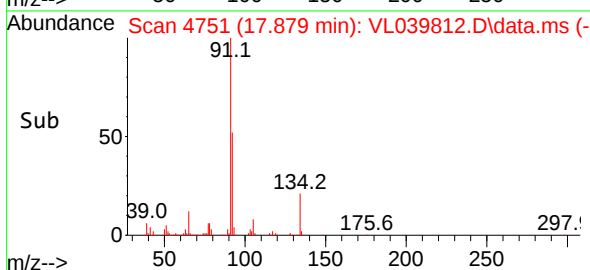
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022

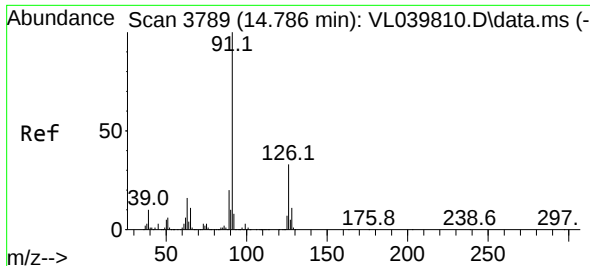


#70  
n-Butylbenzene  
Concen: 1.123 ppbv  
RT: 17.879 min Scan# 4751  
Delta R.T. 0.006 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01



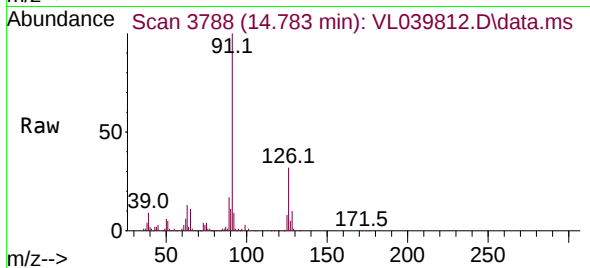
Tgt Ion: 91 Resp: 450059  
Ion Ratio Lower Upper  
91 100  
92 55.0 44.1 66.1  
134 24.4 19.0 28.6





#71  
2-Chlorotoluene  
Concen: 1.167 ppbv  
RT: 14.783 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

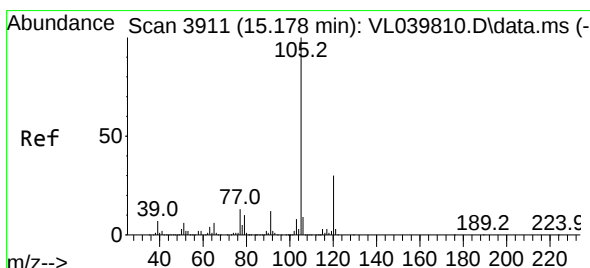
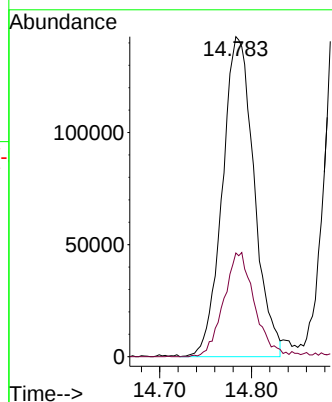
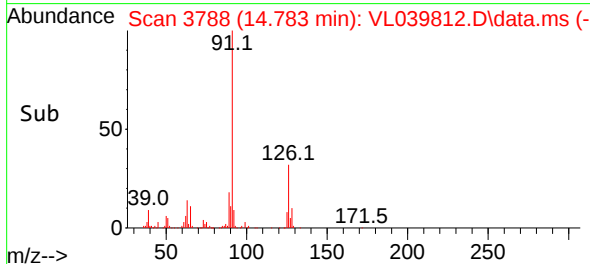
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



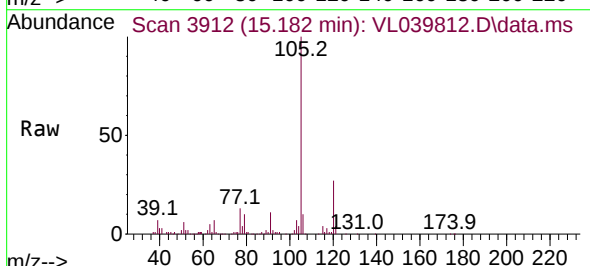
Tgt Ion: 91 Resp: 342335  
Ion Ratio Lower Upper  
91 100  
126 31.8 12.9 51.5

Manual Integrations  
APPROVED

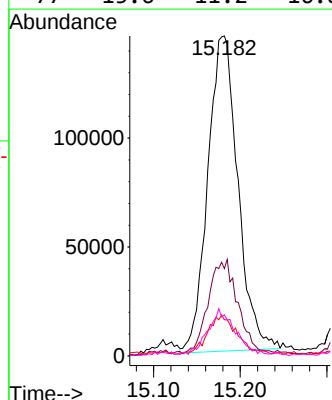
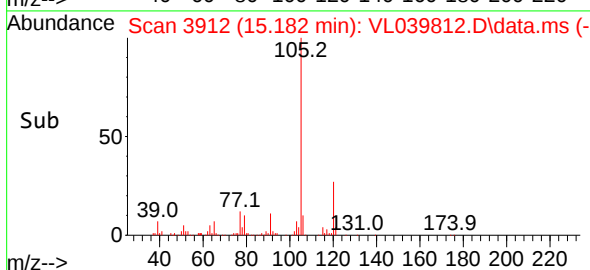
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022

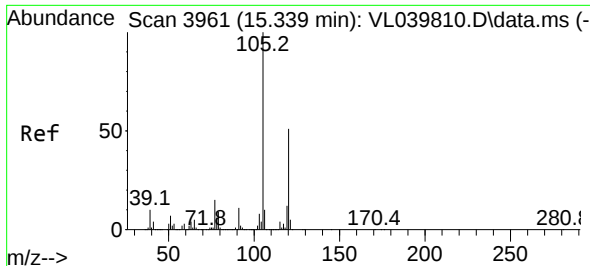


#72  
4-Ethyltoluene  
Concen: 1.100 ppbv  
RT: 15.182 min Scan# 3912  
Delta R.T. 0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01



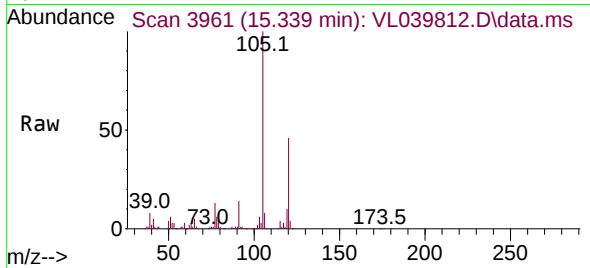
Tgt Ion:105 Resp: 350203  
Ion Ratio Lower Upper  
105 100  
120 31.7 26.0 39.0  
91 12.1 10.5 15.7  
77 15.6 11.2 16.8





#73  
1,3,5-Trimethylbenzene  
Concen: 1.040 ppbv  
RT: 15.339 min Scan# 3961  
Delta R.T. 0.000 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

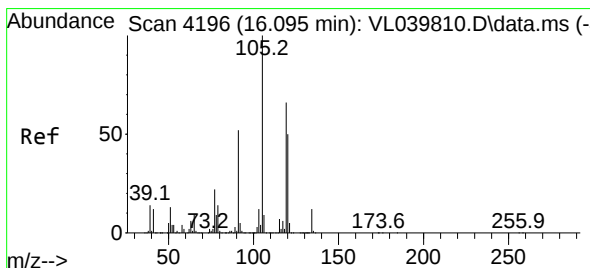
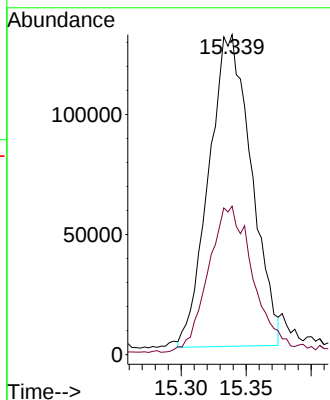
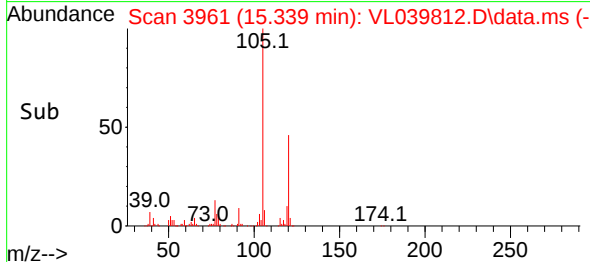
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



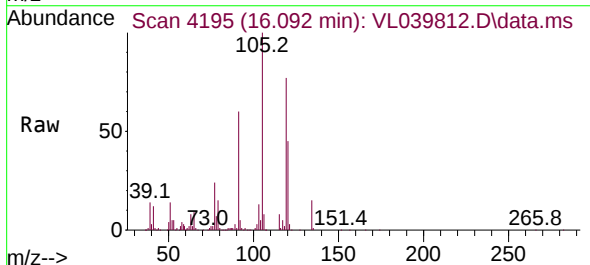
Tgt Ion:105 Resp: 296369  
Ion Ratio Lower Upper  
105 100  
120 45.8 41.0 61.4

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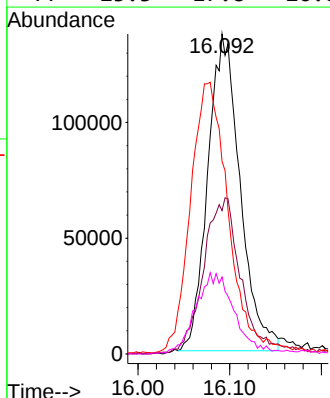
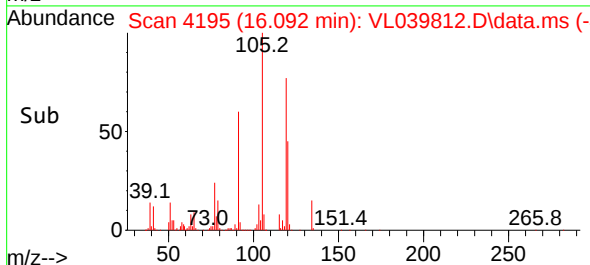
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022

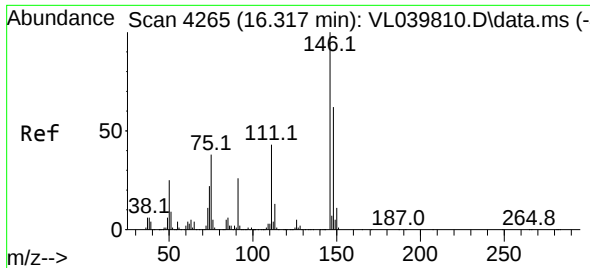


#74  
1,2,4-Trimethylbenzene  
Concen: 1.037 ppbv  
RT: 16.092 min Scan# 4195  
Delta R.T. -0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01



Tgt Ion:105 Resp: 334728  
Ion Ratio Lower Upper  
105 100  
120 43.8 40.2 60.4  
91 58.0 42.6 64.0  
77 23.3 17.8 26.8





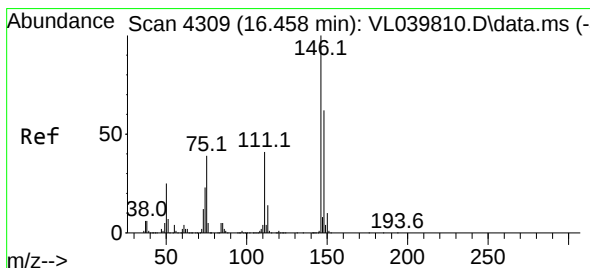
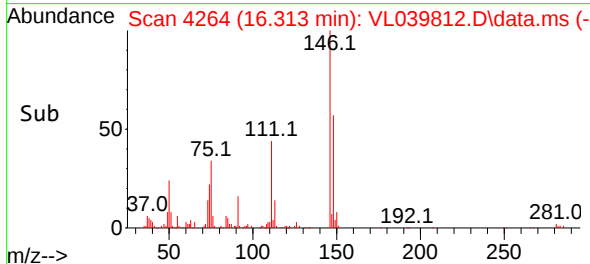
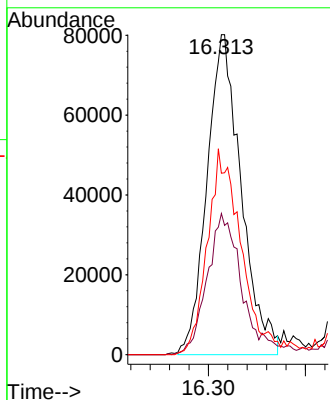
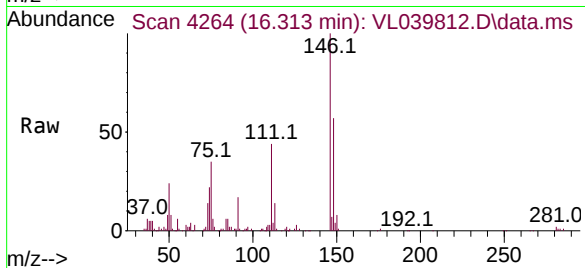
#75  
1,3-Dichlorobenzene  
Concen: 1.001 ppbv m  
RT: 16.313 min Scan# 4265  
Delta R.T. -0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

Tgt Ion:146 Resp: 195975  
Ion Ratio Lower Upper  
146 100  
111 45.1 22.9 68.8  
148 64.7 32.3 96.9

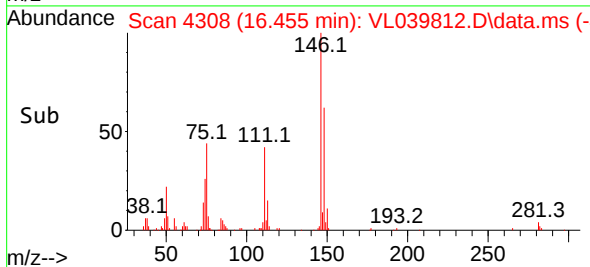
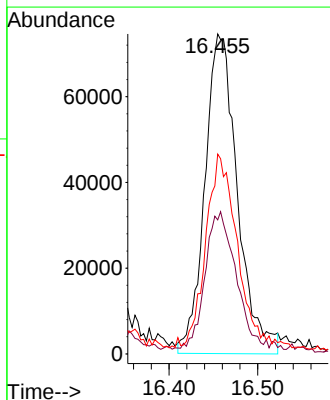
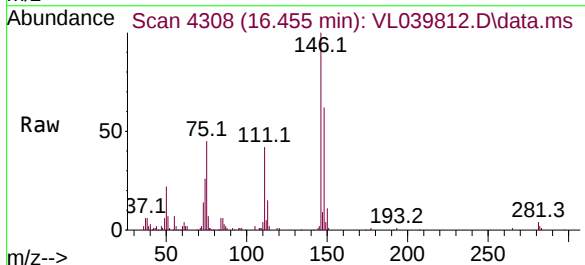
Manual Integrations  
APPROVED

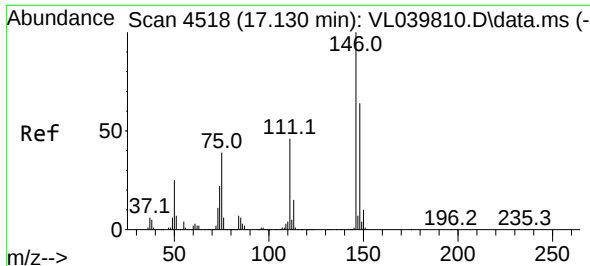
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022



#76  
1,4-Dichlorobenzene  
Concen: 1.017 ppbv m  
RT: 16.455 min Scan# 4308  
Delta R.T. -0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

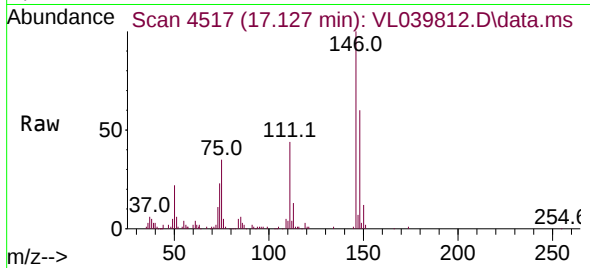
Tgt Ion:146 Resp: 189937  
Ion Ratio Lower Upper  
146 100  
111 45.6 22.7 68.1  
148 65.6 33.1 99.3





#77  
1,2-Dichlorobenzene  
Concen: 0.958 ppbv  
RT: 17.127 min Scan# 4518  
Delta R.T. -0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

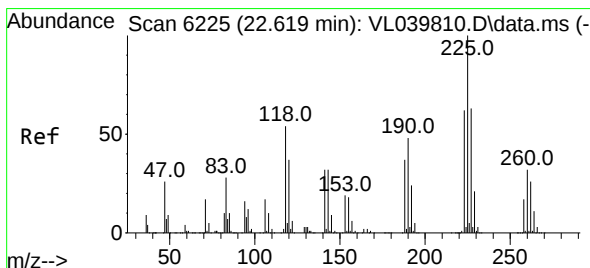
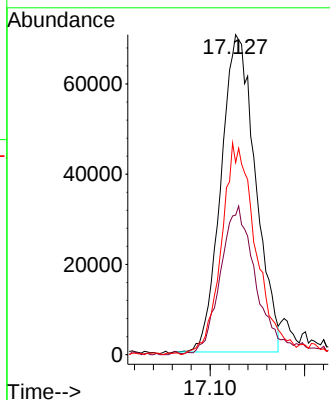
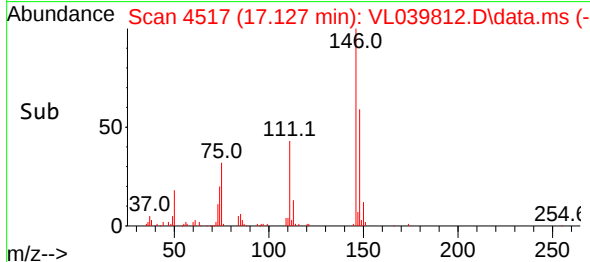
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC001



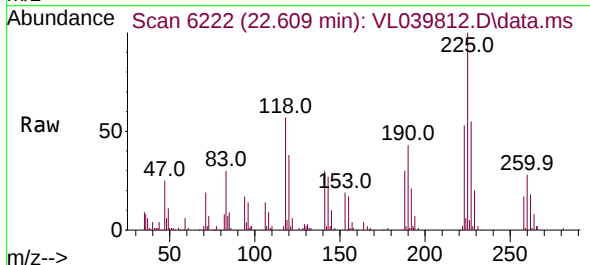
Tgt Ion:146 Resp: 179012  
Ion Ratio Lower Upper  
146 100  
111 50.9 23.9 71.8  
148 69.2 32.4 97.2

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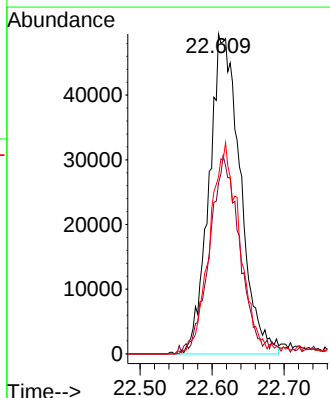
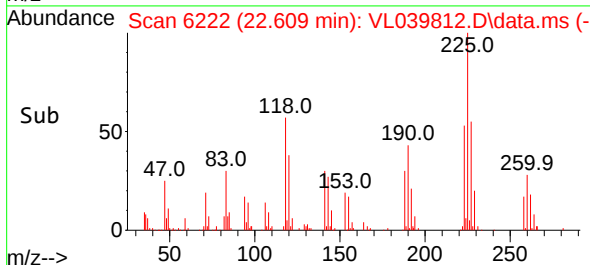
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022

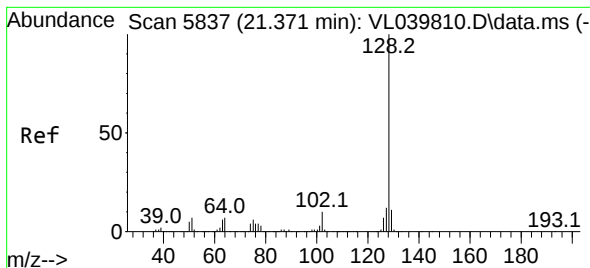


#78  
Hexachloro-1,3-Butadiene  
Concen: 1.045 ppbv m  
RT: 22.609 min Scan# 6222  
Delta R.T. -0.010 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01



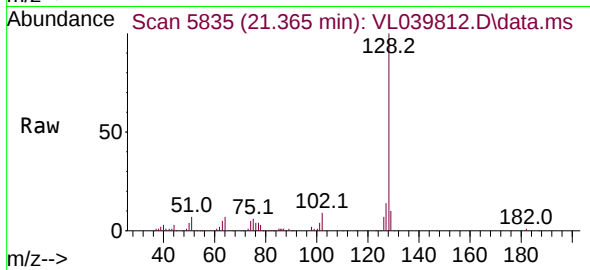
Tgt Ion:225 Resp: 148737  
Ion Ratio Lower Upper  
225 100  
223 0.0 50.6 75.8#  
227 0.0 51.6 77.4#





#79  
Naphthalene  
Concen: 1.307 ppbv m  
RT: 21.365 min Scan# 5837  
Delta R.T. -0.006 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

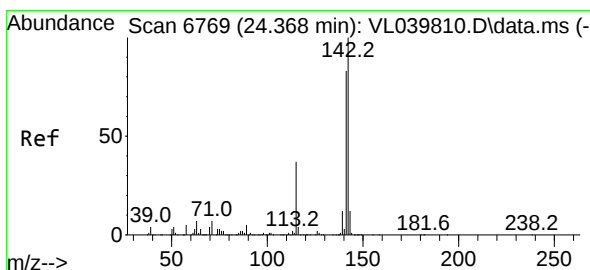
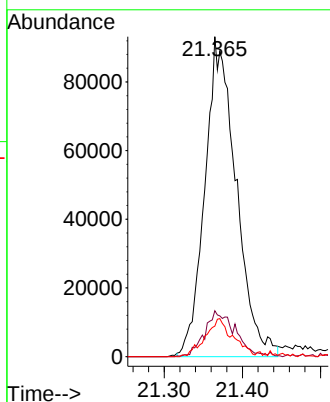
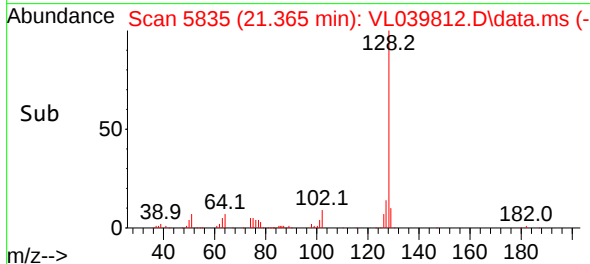
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



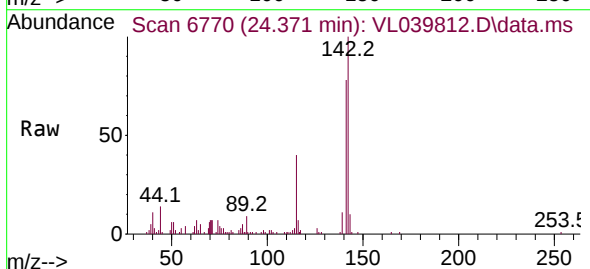
Tgt Ion:128 Resp: 258023  
Ion Ratio Lower Upper  
128 100  
127 14.3 9.8 14.6  
129 9.5 8.6 13.0

Manual Integrations  
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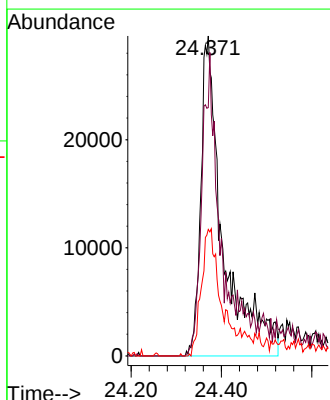
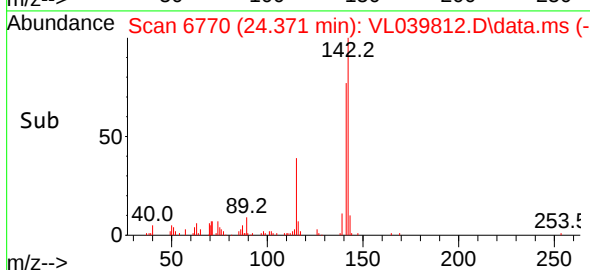
Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022

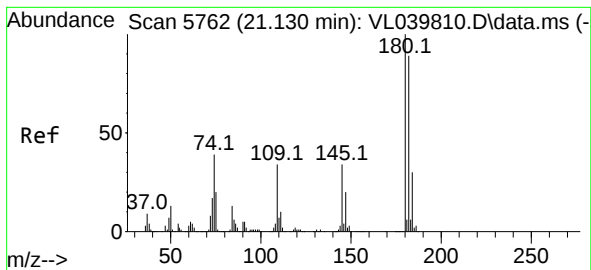


#80  
Naphthalene,2-methyl-  
Concen: 1.529 ppbv  
RT: 24.371 min Scan# 6770  
Delta R.T. 0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01



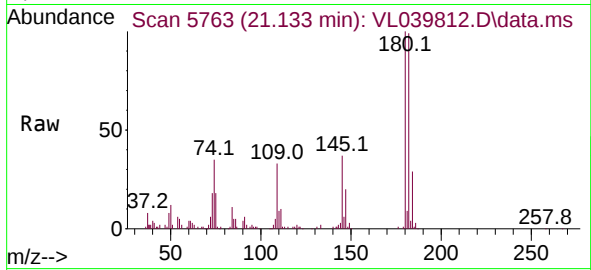
Tgt Ion:142 Resp: 102486  
Ion Ratio Lower Upper  
142 100  
141 79.3 65.1 97.7  
115 40.2 29.1 43.7





#81  
1,2,4-Trichlorobenzene  
Concen: 1.046 ppbv m  
RT: 21.133 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VL039812.D  
Acq: 2 Nov 2022 12:01

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC001



Tgt Ion:180 Resp: 136369  
Ion Ratio Lower Upper  
180 100  
182 98.1 78.1 117.1  
184 30.5 24.5 36.7

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 11/03/2022  
Supervised By :Mahesh Dadoda 11/03/2022

