

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL051322\  
 Data File : VL039041.D  
 Acq On : 13 May 2022 17:35  
 Operator : SY/AP  
 Sample : 0.4 MDL  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 0.4 MDL

Quant Time: May 14 00:54:36 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL050522AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu May 12 00:00:00 2022  
 QLast Update : Thu May 05 10:12:15 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/16/2022  
 Supervised By : Mahesh Dadoda 05/17/2022

| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Bromochloromethane         | 5.652  | 49    | 888018   | 10.000   | ppbv       | -0.01    |
| 33) 1,4-Difluorobenzene       | 7.153  | 114   | 2194016  | 10.000   | ppbv       | -0.02    |
| 55) Chlorobenzene-d5          | 12.060 | 117   | 1832376  | 10.000   | ppbv       | -0.02    |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 68) 1-Bromo-4-Fluorobenzene   | 14.388 | 95    | 1454181  | 10.021   | ppbv       | -0.02    |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | = 100.200% |          |
| Target Compounds              |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane    | 3.044  | 85    | 78173    | 0.562    | ppbv       | 94       |
| 3) Chlorodifluoromethane      | 2.980  | 51    | 51116    | 0.464    | ppbv       | 100      |
| 4) Chloromethane              | 3.140  | 50    | 29282m   | 0.531    | ppbv       |          |
| 5) Vinyl Chloride             | 3.253  | 62    | 21891m   | 0.434    | ppbv       |          |
| 6) Bromomethane               | 3.462  | 94    | 11629m   | 0.489    | ppbv       |          |
| 7) Chloroethane               | 3.552  | 64    | 10142m   | 0.601    | ppbv       |          |
| 8) Dichlorotetrafluoroethane  | 3.179  | 85    | 59095    | 0.469    | ppbv       | 91       |
| 9) Propene                    | 3.002  | 41    | 24579    | 0.511    | ppbv       | 93       |
| 10) Heptane                   | 8.102  | 43    | 45402    | 0.385    | ppbv       | 95       |
| 11) Trichlorofluoromethane    | 3.941  | 101   | 48687    | 0.408    | ppbv       | 96       |
| 12) 1,1,2-Trichlorotrifluo... | 4.472  | 101   | 39924    | 0.485    | ppbv       | 98       |
| 13) Ethanol                   | 3.607  | 45    | 3369m    | 0.989    | ppbv       |          |
| 14) Bromoethene               | 3.732  | 108   | 16179m   | 0.477    | ppbv       |          |
| 15) Acetone                   | 3.854  | 43    | 51538m   | 0.615    | ppbv       |          |
| 16) 1,3-Butadiene             | 3.317  | 39    | 22512m   | 0.468    | ppbv       |          |
| 17) tert-Butyl alcohol        | 4.292  | 59    | 31491m   | 0.489    | ppbv       |          |
| 18) 1,1-Dichloroethene        | 4.279  | 96    | 16667    | 0.471    | ppbv #     | 72       |
| 19) Isopropyl Alcohol         | 3.970  | 45    | 21333m   | 0.536    | ppbv       |          |
| 20) Methylene Chloride        | 4.333  | 84    | 19935m   | 0.631    | ppbv       |          |
| 21) Allyl Chloride            | 4.404  | 41    | 27035m   | 0.474    | ppbv       |          |
| 22) trans-1,2-Dichloroethene  | 4.877  | 96    | 17851m   | 0.467    | ppbv       |          |
| 23) Vinyl Acetate             | 5.063  | 43    | 30184m   | 0.455    | ppbv       |          |
| 24) 1,1-Dichloroethane        | 4.996  | 63    | 35368m   | 0.463    | ppbv       |          |
| 25) Ethyl Acetate             | 5.671  | 43    | 85434    | 0.426    | ppbv #     | 96       |
| 26) Hexane                    | 5.674  | 57    | 40507m   | 0.455    | ppbv       |          |
| 27) Carbon Disulfide          | 4.542  | 76    | 33057m   | 0.391    | ppbv       |          |
| 28) Methyl tert-Butyl Ether   | 5.031  | 73    | 33025    | 0.487    | ppbv       | 91       |
| 29) Chloroform                | 5.735  | 83    | 59726    | 0.414    | ppbv       | 87       |
| 30) Cyclohexane               | 7.115  | 84    | 33866m   | 0.454    | ppbv       |          |
| 31) cis-1,2-Dichloroethene    | 5.533  | 61    | 33240    | 0.366    | ppbv       | 96       |
| 32) 1,1,1-Trichloroethane     | 6.491  | 97    | 58097    | 0.403    | ppbv       | 94       |
| 34) 2-Butanone                | 5.240  | 43    | 55620m   | 0.497    | ppbv       |          |
| 35) Carbon Tetrachloride      | 7.005  | 117   | 57522m   | 0.398    | ppbv       |          |
| 36) Benzene                   | 6.877  | 78    | 77703m   | 0.414    | ppbv       |          |
| 37) 1,2-Dichloroethane        | 6.285  | 62    | 47339    | 0.407    | ppbv       | 97       |
| 38) Trichloroethene           | 7.816  | 130   | 34534m   | 0.414    | ppbv       |          |
| 39) 1,2-Dichloropropane       | 7.590  | 63    | 32456m   | 0.444    | ppbv       |          |
| 40) 1,4-Dioxane               | 7.844  | 88    | 10887m   | 0.415    | ppbv       |          |
| 41) Tetrahydrofuran           | 6.060  | 42    | 21314    | 0.283    | ppbv #     | 79       |
| 42) Bromodichloromethane      | 7.774  | 83    | 62439m   | 0.393    | ppbv       |          |
| 43) Methyl Methacrylate       | 7.996  | 69    | 24418m   | 0.320    | ppbv       |          |
| 44) 2,2,4-Trimethylpentane    | 7.848  | 57    | 133182   | 0.404    | ppbv       | 96       |
| 45) t-1,3-Dichloropropene     | 9.266  | 75    | 16876    | 0.229    | ppbv       | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL051322\  
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 Acq On : 13 May 2022 17:35  
 Operator : SY/AP  
 Sample : 0.4 MDL  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 0.4 MDL

Quant Time: May 14 00:54:36 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL050522AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu May 05 10:12:15 2022  
 QLast Update : Thu May 05 10:12:15 2022  
 Response via : Initial Calibration

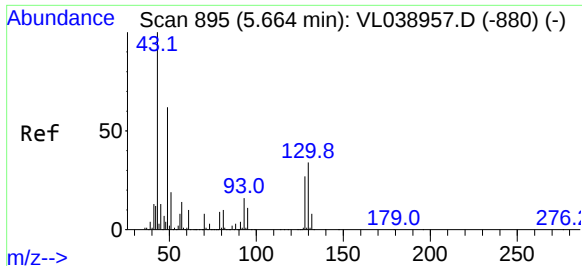
### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/16/2022  
 Supervised By : Mahesh Dadoda 05/17/2022

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.684  | 75   | 30661m   | 0.313 | ppbv   |          |
| 47) 1,1,2-Trichloroethane     | 9.452  | 97   | 32163m   | 0.423 | ppbv   |          |
| 48) Dibromochloromethane      | 10.282 | 129  | 37102    | 0.300 | ppbv   | 93       |
| 49) Bromoform                 | 13.015 | 173  | 30004m   | 0.318 | ppbv   |          |
| 50) 4-Methyl-2-Pentanone      | 8.742  | 43   | 71517m   | 0.364 | ppbv   |          |
| 51) 2-Hexanone                | 10.131 | 43   | 48310m   | 0.337 | ppbv   |          |
| 52) Tetrachloroethene         | 11.188 | 164  | 27564m   | 0.411 | ppbv   |          |
| 53) Toluene                   | 9.780  | 91   | 75063    | 0.357 | ppbv   | 93       |
| 54) 1,2-Dibromoethane         | 10.590 | 107  | 37674m   | 0.364 | ppbv   |          |
| 56) 1,1,1,2-Tetrachloroethane | 12.102 | 131  | 34685m   | 0.431 | ppbv   |          |
| 57) Chlorobenzene             | 12.118 | 112  | 64326m   | 0.468 | ppbv   |          |
| 58) Ethyl Benzene             | 12.690 | 91   | 109240   | 0.414 | ppbv   | 94       |
| 59) m/p-Xylene                | 12.973 | 91   | 184704m  | 0.820 | ppbv   |          |
| 60) o-Xylene                  | 13.667 | 91   | 91387m   | 0.431 | ppbv   |          |
| 61) Styrene                   | 13.497 | 104  | 41949m   | 0.371 | ppbv   |          |
| 62) Isopropylbenzene          | 14.642 | 105  | 131296   | 0.424 | ppbv   | 98       |
| 63) 1,1,2,2-Tetrachloroethane | 13.651 | 83   | 56875m   | 0.456 | ppbv   |          |
| 64) n-propylbenzene           | 15.539 | 120  | 30106m   | 0.402 | ppbv   |          |
| 65) tert-Butylbenzene         | 16.719 | 119  | 118726m  | 0.437 | ppbv   |          |
| 66) Benzyl Chloride           | 16.963 | 91   | 8638m    | 0.243 | ppbv   |          |
| 67) sec-Butylbenzene          | 17.265 | 105  | 168373m  | 0.434 | ppbv   |          |
| 69) p-Isopropyltoluene        | 17.625 | 119  | 124212   | 0.396 | ppbv   | 94       |
| 70) n-Butylbenzene            | 18.526 | 91   | 129179   | 0.388 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 15.426 | 91   | 104764   | 0.439 | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 15.809 | 105  | 98001m   | 0.406 | ppbv   |          |
| 73) 1,3,5-Trimethylbenzene    | 15.973 | 105  | 88445    | 0.407 | ppbv # | 84       |
| 74) 1,2,4-Trimethylbenzene    | 16.732 | 105  | 98318    | 0.413 | ppbv   | 95       |
| 75) 1,3-Dichlorobenzene       | 16.970 | 146  | 55673    | 0.427 | ppbv   | 93       |
| 76) 1,4-Dichlorobenzene       | 17.114 | 146  | 54286m   | 0.423 | ppbv   |          |
| 77) 1,2-Dichlorobenzene       | 17.789 | 146  | 55959m   | 0.434 | ppbv   |          |
| 78) Hexachloro-1,3-Butadiene  | 23.345 | 225  | 54786m   | 0.462 | ppbv   |          |
| 79) Naphthalene               | 22.165 | 128  | 64381m   | 0.333 | ppbv   |          |
| 80) Naphthalene,2-methyl-     | 24.976 | 142  | 15067m   | 0.258 | ppbv   |          |
| 81) 1,2,4-Trichlorobenzene    | 21.892 | 180  | 42191m   | 0.372 | ppbv   |          |

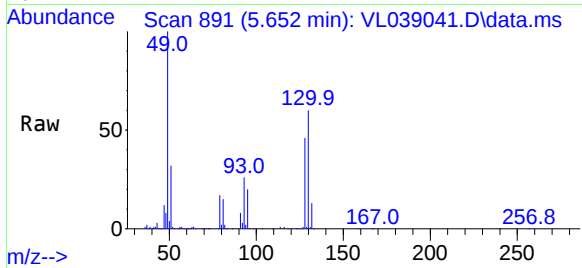
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.652 min Scan# 89  
Delta R.T. -0.013 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

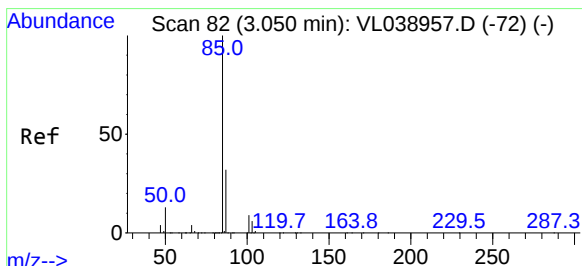
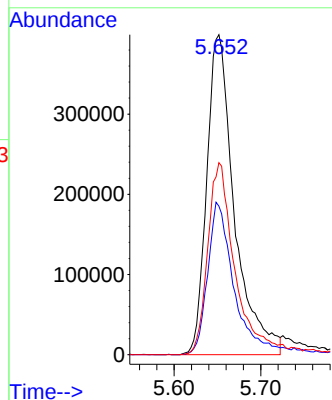
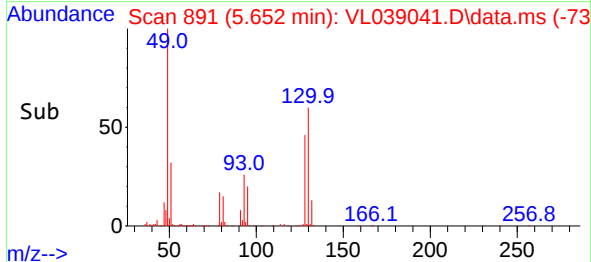
Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL



Tgt Ion: 49 Resp: 888018  
Ion Ratio Lower Upper  
49 100  
128 47.4 23.3 69.8  
130 62.3 29.8 89.3

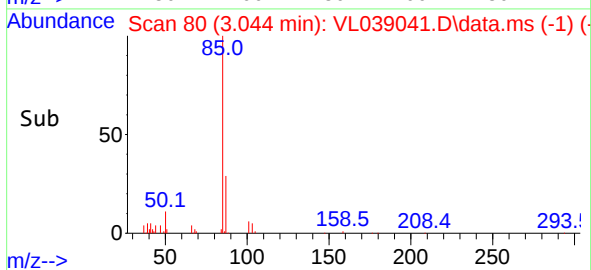
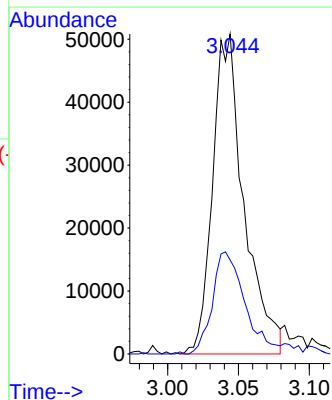
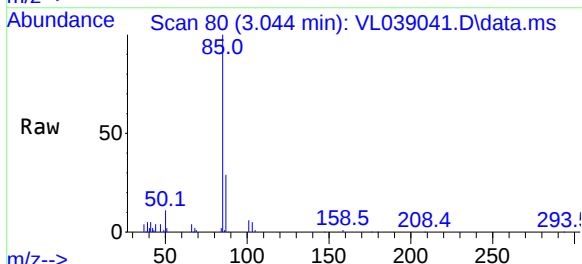
Manual Integrations  
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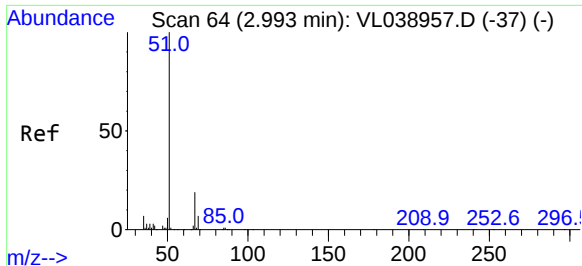
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022



#2  
Dichlorodifluoromethane  
Concen: 0.562 ppbv  
RT: 3.044 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

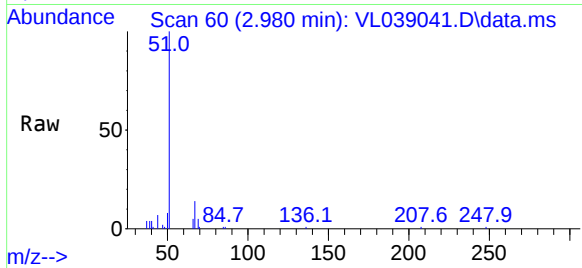
Tgt Ion: 85 Resp: 78173  
Ion Ratio Lower Upper  
85 100  
87 28.7 25.7 38.5





#3  
Chlorodifluoromethane  
Concen: 0.464 ppbv  
RT: 2.980 min Scan# 60  
Delta R.T. -0.013 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

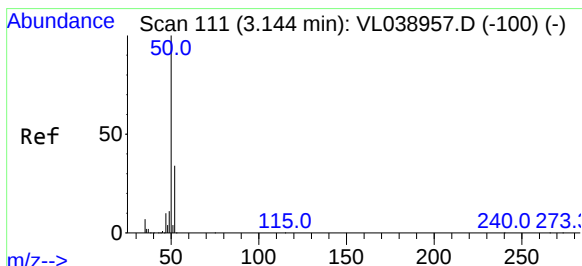
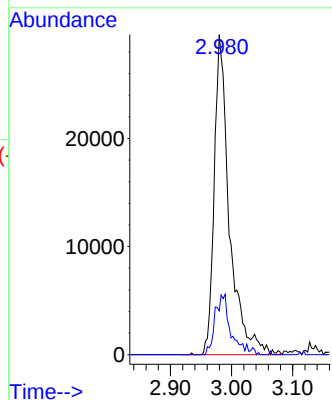
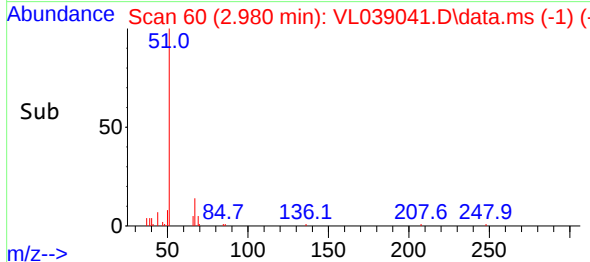
Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL



Tgt Ion: 51 Resp: 51110  
Ion Ratio Lower Upper  
51 100  
67 19.6 15.8 23.8

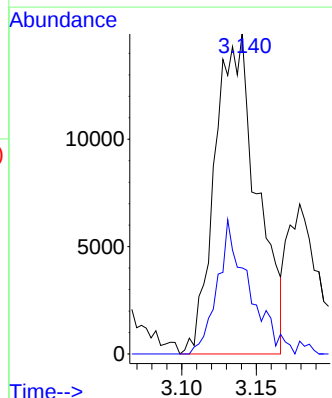
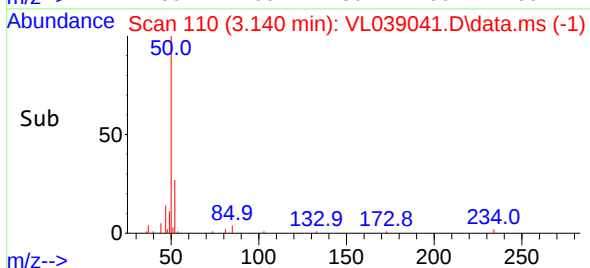
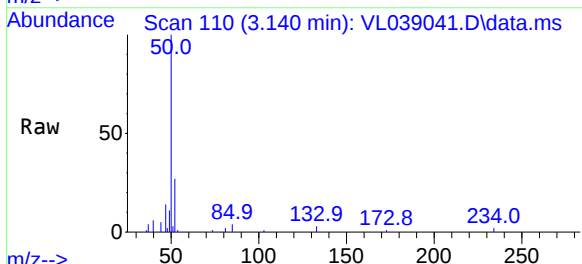
Manual Integrations  
APPROVED

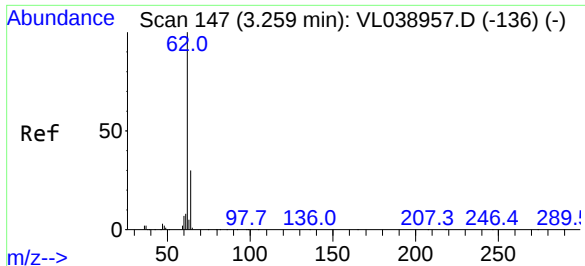
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022



#4  
Chloromethane  
Concen: 0.531 ppbv m  
RT: 3.140 min Scan# 110  
Delta R.T. -0.003 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

Tgt Ion: 50 Resp: 29282  
Ion Ratio Lower Upper  
50 100  
52 26.9 27.3 40.9#





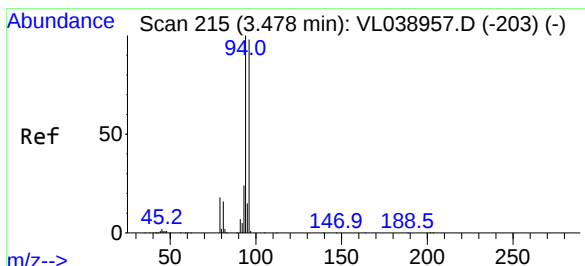
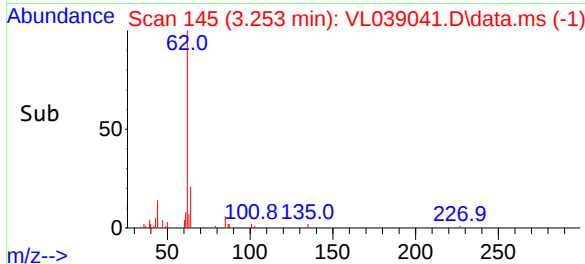
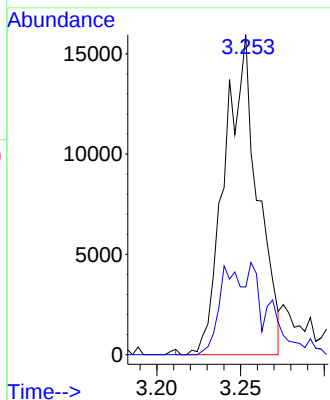
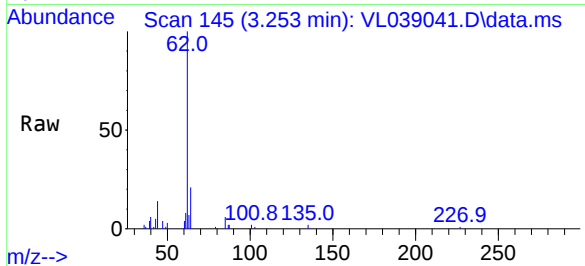
#5  
 Vinyl Chloride  
 Concen: 0.434 ppbv m  
 RT: 3.253 min Scan# 147  
 Delta R.T. -0.006 min  
 Lab File: VL039041.D  
 Acq: 13 May 2022 17:35

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 0.4 MDL

Tgt Ion: 62 Resp: 2189  
 Ion Ratio Lower Upper  
 62 100  
 64 21.2 24.2 36.4

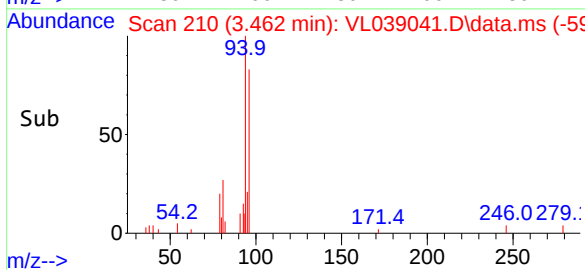
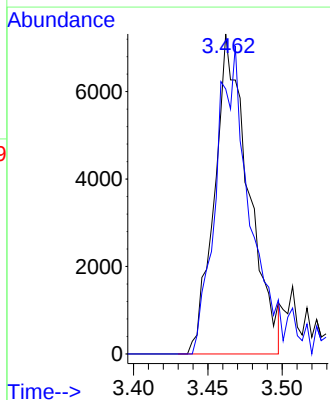
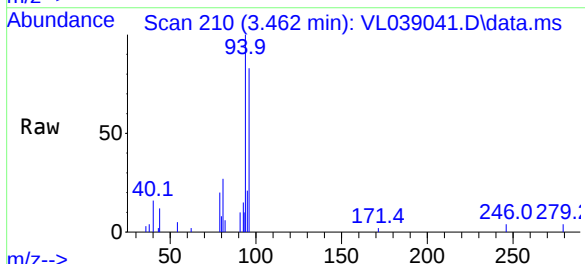
Manual Integrations  
 APPROVED

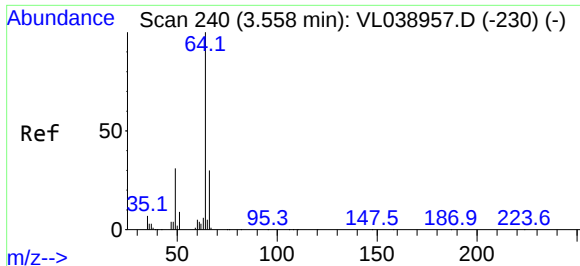
Reviewed By :Semsettin Yesilyurt 05/16/2022  
 Supervised By :Mahesh Dadoda 05/17/2022



#6  
 Bromomethane  
 Concen: 0.489 ppbv m  
 RT: 3.462 min Scan# 210  
 Delta R.T. -0.016 min  
 Lab File: VL039041.D  
 Acq: 13 May 2022 17:35

Tgt Ion: 94 Resp: 11629  
 Ion Ratio Lower Upper  
 94 100  
 96 82.8 78.1 117.1





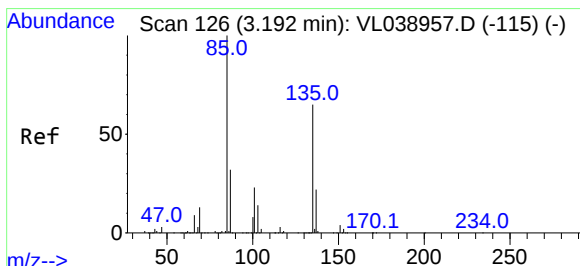
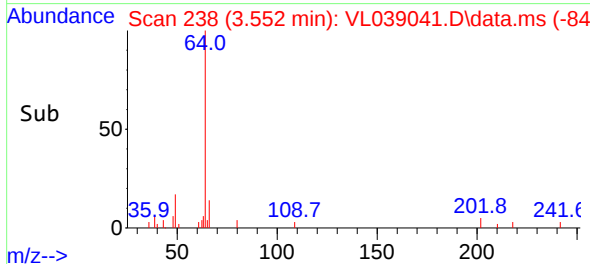
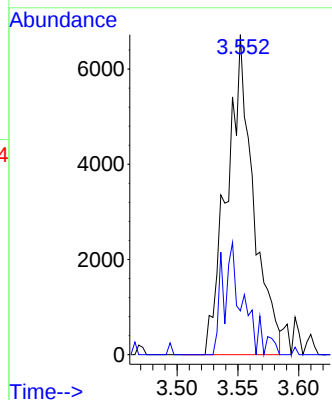
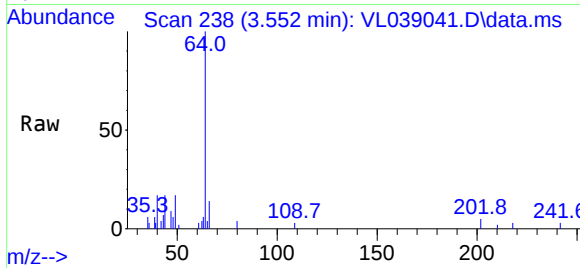
#7  
Chloroethane  
Concen: 0.601 ppbv m  
RT: 3.552 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL

Tgt Ion: 64 Resp: 1014  
Ion Ratio Lower Upper  
64 100  
66 13.7 23.8 35.8

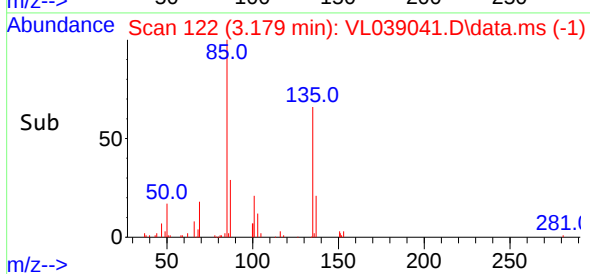
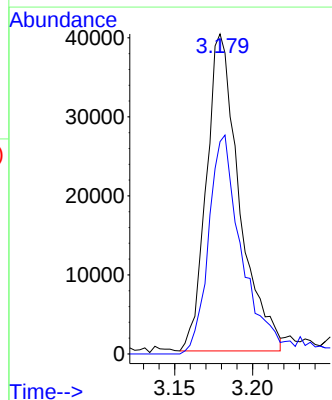
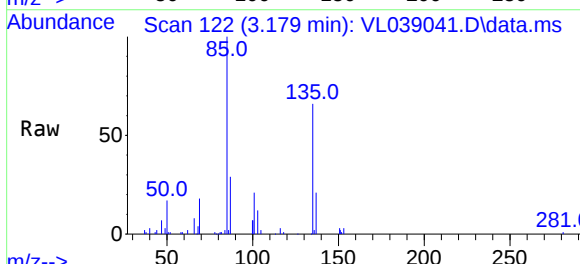
Manual Integrations  
APPROVED

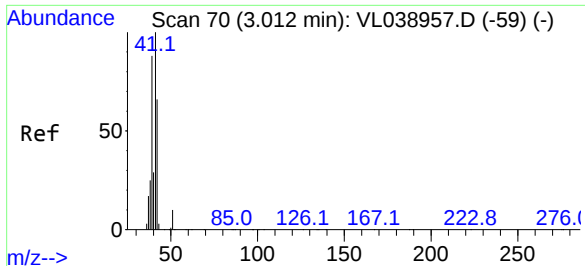
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022



#8  
Dichlorotetrafluoroethane  
Concen: 0.469 ppbv  
RT: 3.179 min Scan# 122  
Delta R.T. -0.013 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

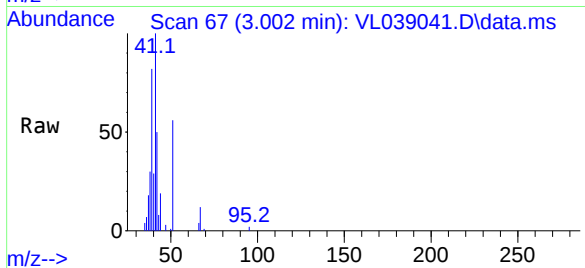
Tgt Ion: 85 Resp: 59095  
Ion Ratio Lower Upper  
85 100  
135 73.9 53.6 80.4





#9  
Propene  
Concen: 0.511 ppbv  
RT: 3.002 min Scan# 61  
Delta R.T. -0.010 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

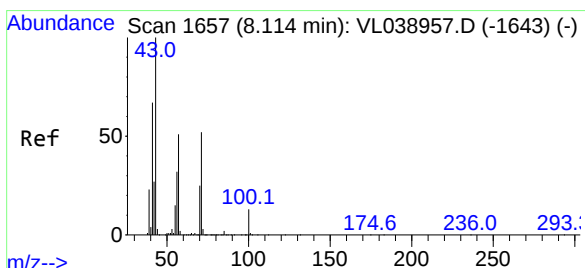
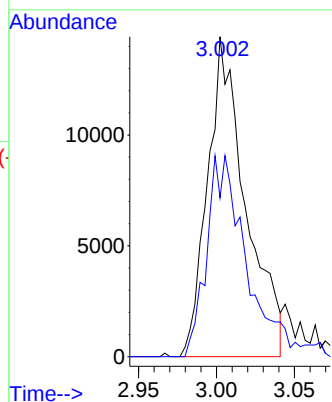
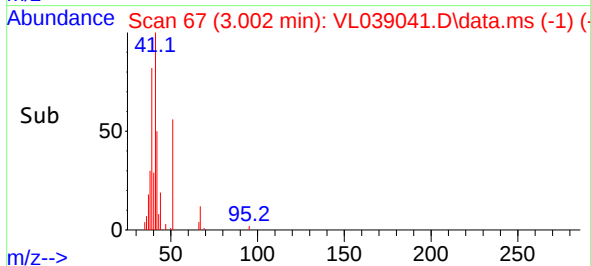
Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL



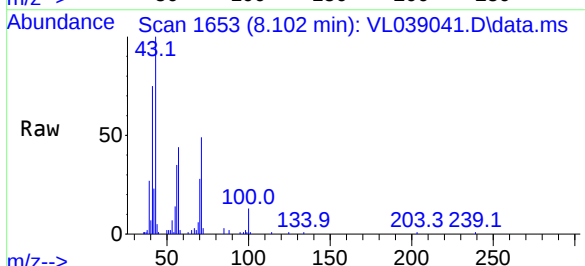
Tgt Ion: 41 Resp: 24579  
Ion Ratio Lower Upper  
41 100  
42 66.7 58.3 87.5

Manual Integrations  
APPROVED

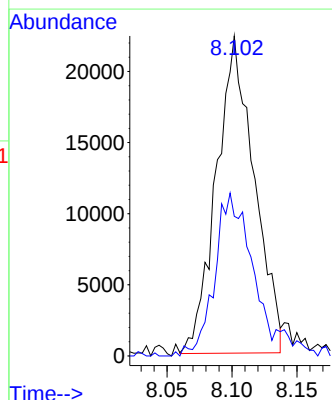
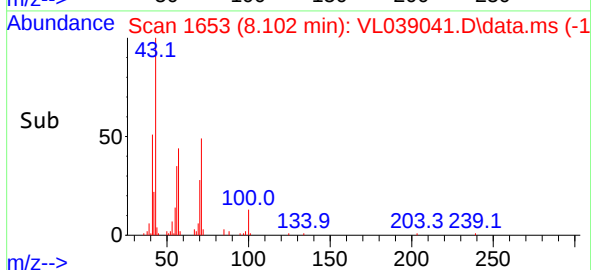
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022

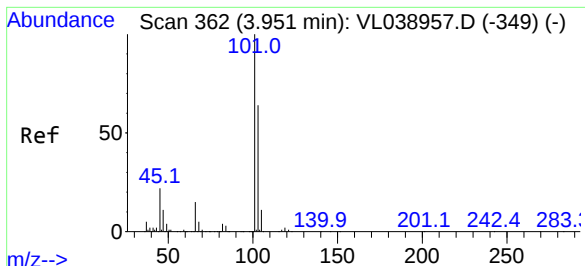


#10  
Heptane  
Concen: 0.385 ppbv  
RT: 8.102 min Scan# 1653  
Delta R.T. -0.013 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35



Tgt Ion: 43 Resp: 45402  
Ion Ratio Lower Upper  
43 100  
57 54.0 40.5 60.7





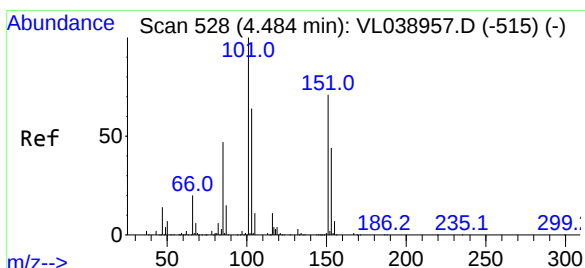
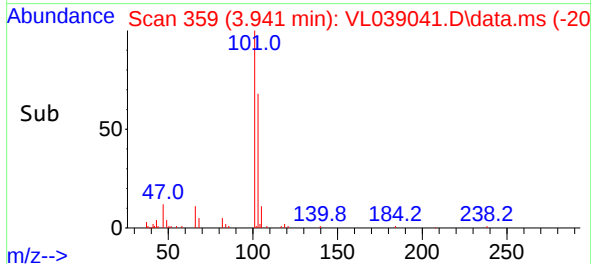
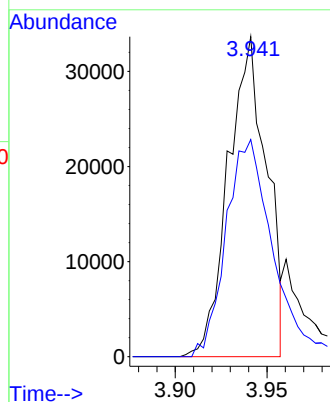
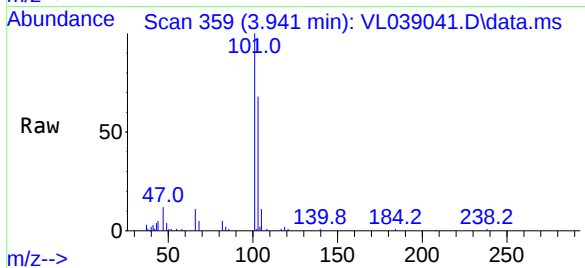
#11  
Trichlorofluoromethane  
Concen: 0.408 ppbv  
RT: 3.941 min Scan# 310  
Delta R.T. -0.010 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL

Tgt Ion:101 Resp: 4868  
Ion Ratio Lower Upper  
101 100  
103 67.8 51.5 77.3

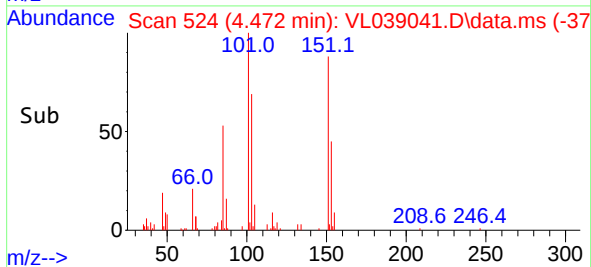
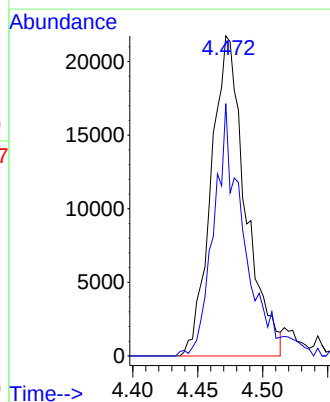
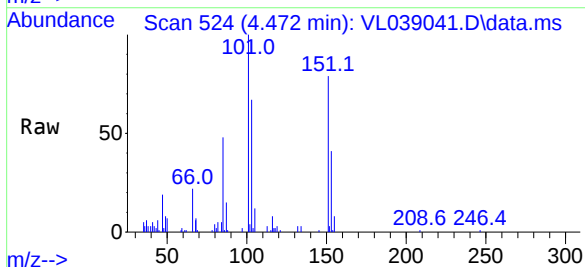
Manual Integrations  
APPROVED

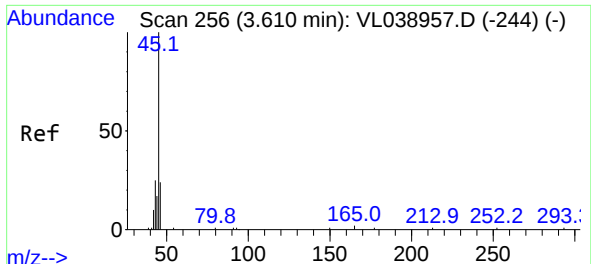
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022



#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.485 ppbv  
RT: 4.472 min Scan# 524  
Delta R.T. -0.013 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

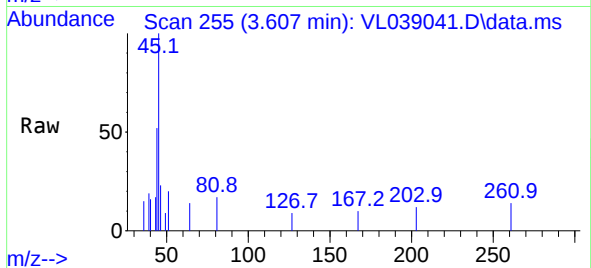
Tgt Ion:101 Resp: 39924  
Ion Ratio Lower Upper  
101 100  
151 70.5 55.4 83.0





#13  
Ethanol  
Concen: 0.989 ppbv m  
RT: 3.607 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

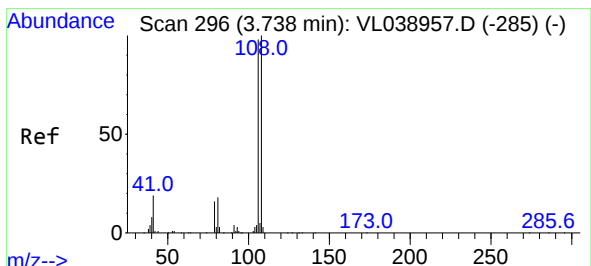
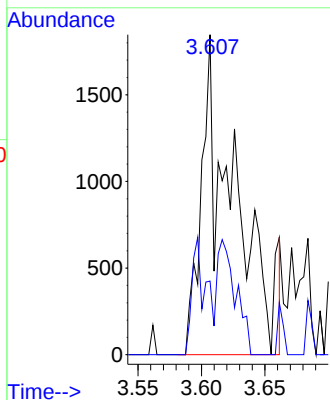
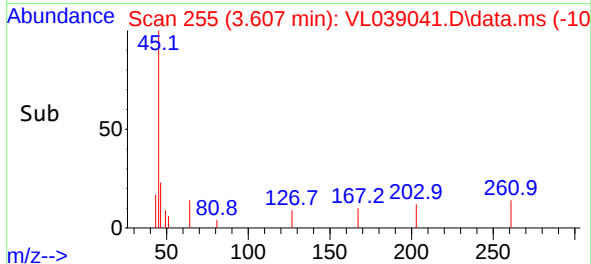
Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL



Tgt Ion: 45 Resp: 3369  
Ion Ratio Lower Upper  
45 100  
46 0.0 18.0 72.2

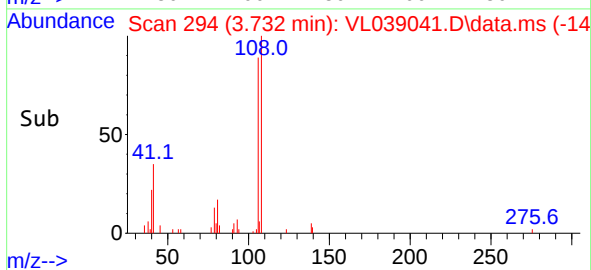
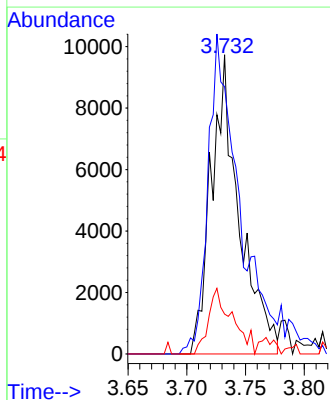
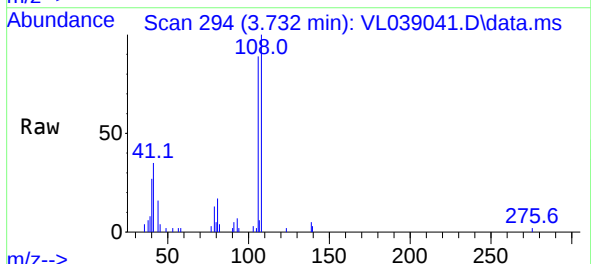
Manual Integrations  
APPROVED

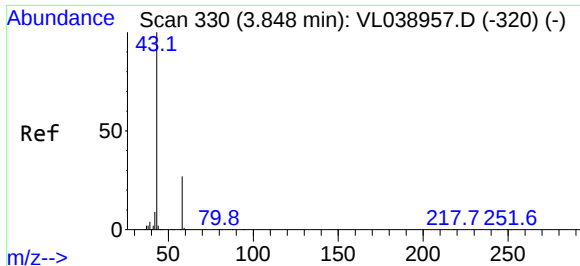
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022



#14  
Bromoethene  
Concen: 0.477 ppbv m  
RT: 3.732 min Scan# 294  
Delta R.T. -0.006 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

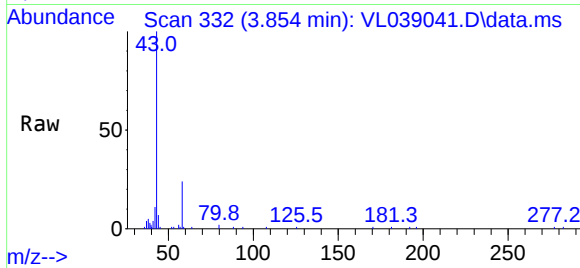
Tgt Ion:108 Resp: 16179  
Ion Ratio Lower Upper  
108 100  
106 126.8 90.3 135.5  
79 22.5 14.9 22.3





#15  
Acetone  
Concen: 0.615 ppbv m  
RT: 3.854 min Scan# 31  
Delta R.T. 0.007 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

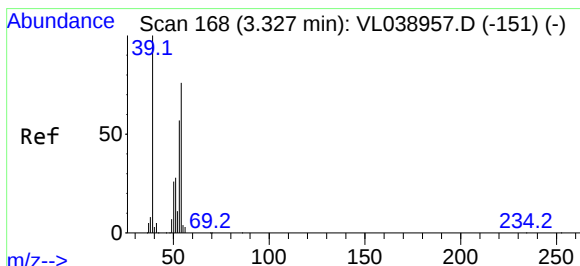
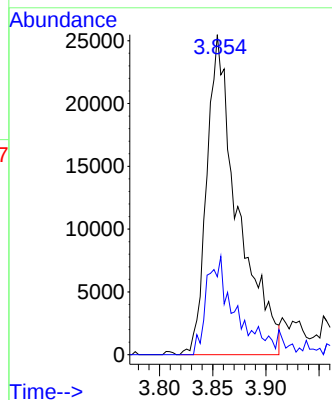
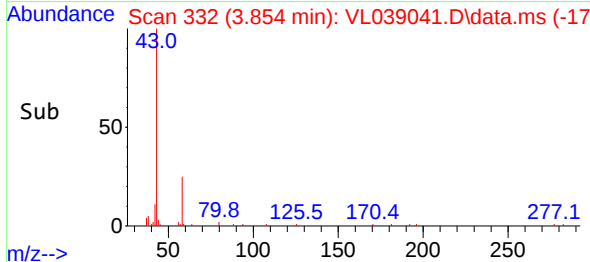
Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL



Tgt Ion: 43 Resp: 51538  
Ion Ratio Lower Upper  
43 100  
58 30.6 21.3 31.9

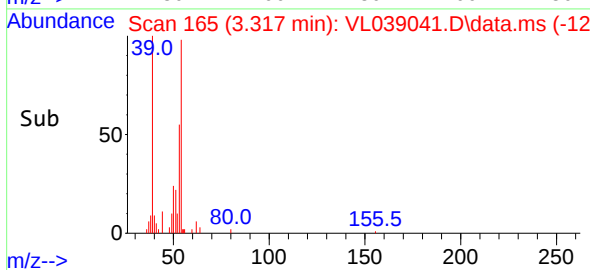
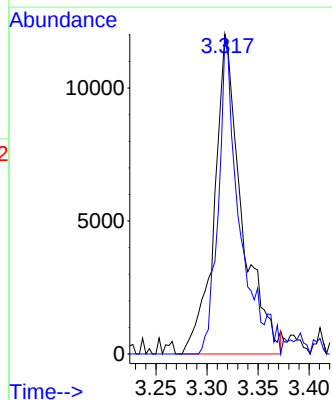
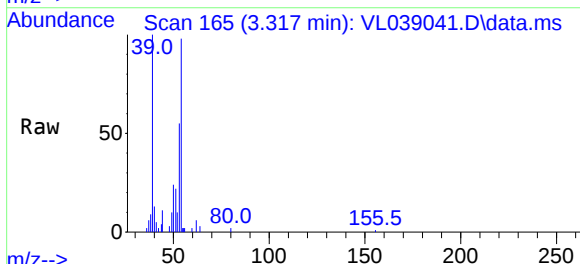
Manual Integrations  
APPROVED

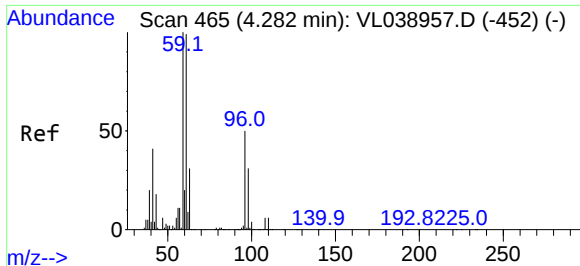
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022



#16  
1,3-Butadiene  
Concen: 0.468 ppbv m  
RT: 3.317 min Scan# 165  
Delta R.T. -0.010 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

Tgt Ion: 39 Resp: 22512  
Ion Ratio Lower Upper  
39 100  
54 81.5 65.2 97.8





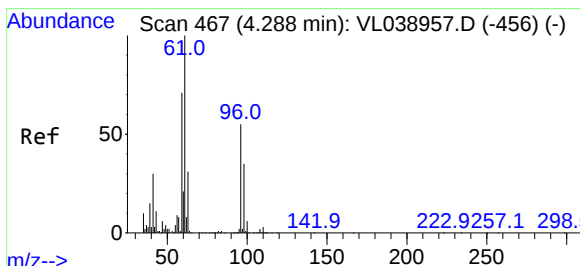
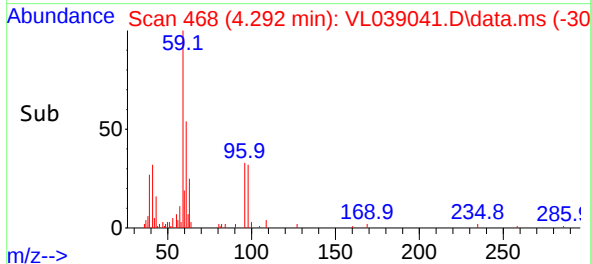
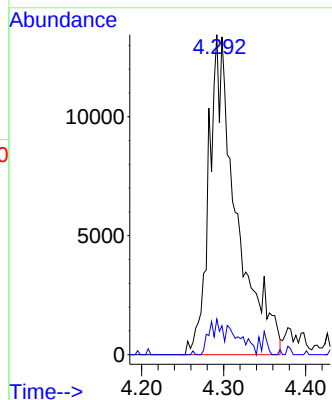
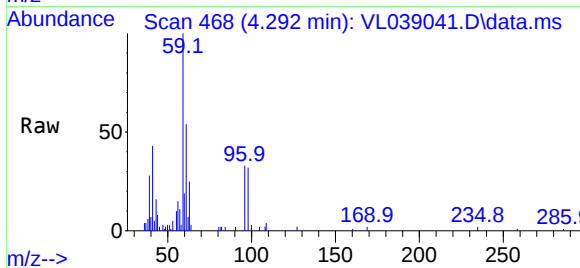
#17  
tert-Butyl alcohol  
Concen: 0.489 ppbv m  
RT: 4.292 min Scan# 465  
Delta R.T. 0.010 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL

Tgt Ion: 59 Resp: 3149  
Ion Ratio Lower Upper  
59 100  
57 0.0 9.2 13.8

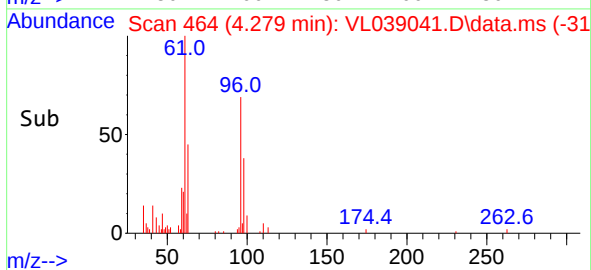
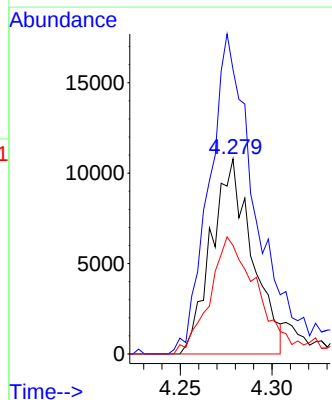
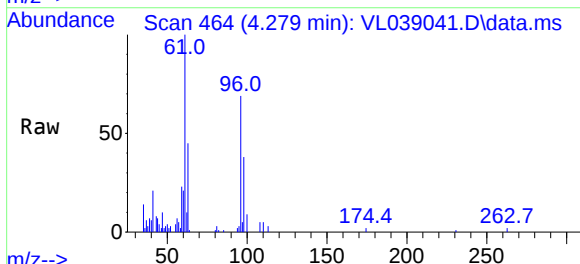
Manual Integrations  
APPROVED

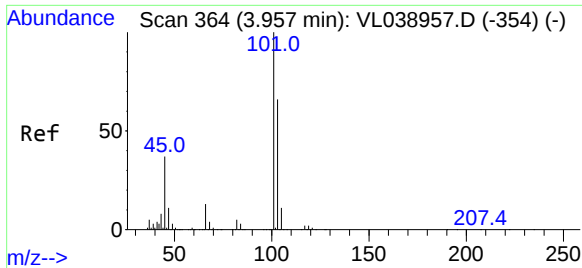
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022



#18  
1,1-Dichloroethene  
Concen: 0.471 ppbv  
RT: 4.279 min Scan# 464  
Delta R.T. -0.010 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

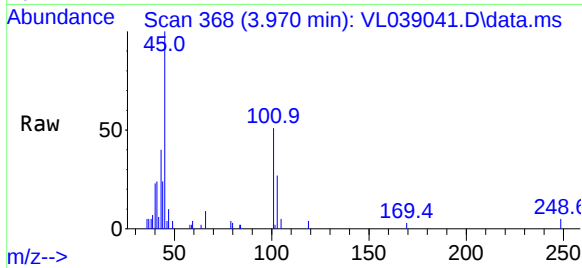
Tgt Ion: 96 Resp: 16667  
Ion Ratio Lower Upper  
96 100  
61 137.7 146.3 219.5#  
98 50.8 50.6 75.8





#19  
Isopropyl Alcohol  
Concen: 0.536 ppbv m  
RT: 3.970 min Scan# 30  
Delta R.T. 0.013 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

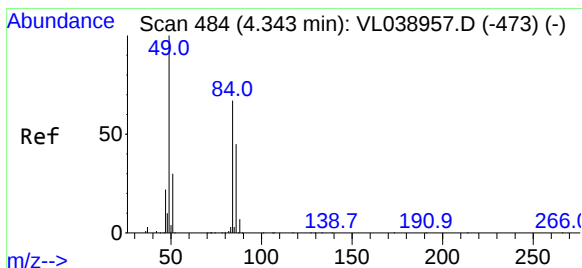
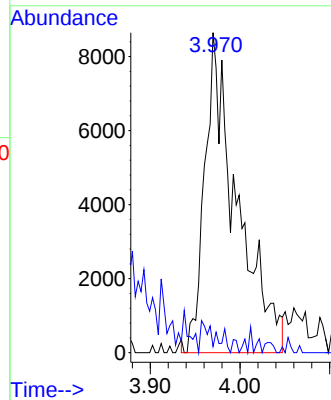
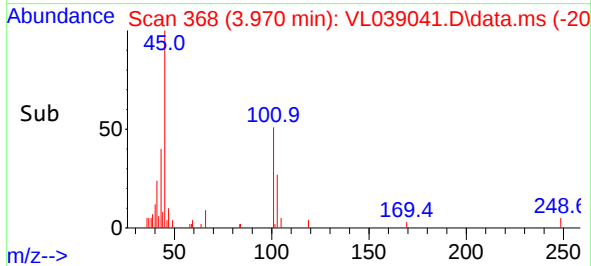
Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL



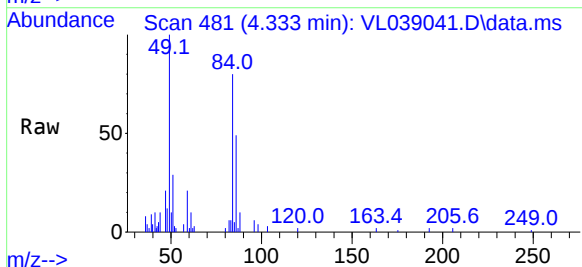
Tgt Ion: 45 Resp: 2133  
Ion Ratio Lower Upper  
45 100  
58 6.2 1.4 2.2

Manual Integrations  
APPROVED

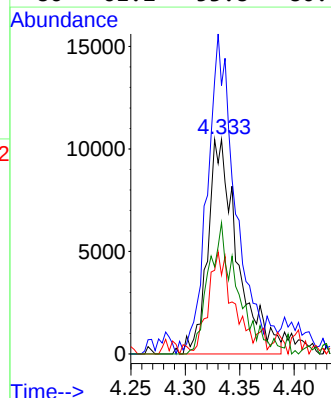
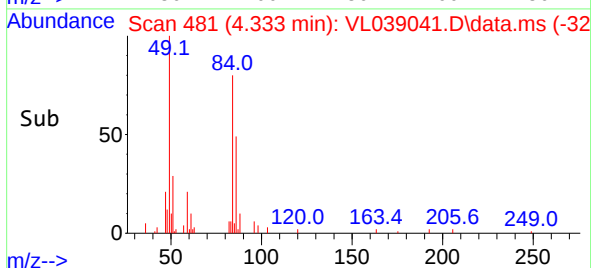
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022

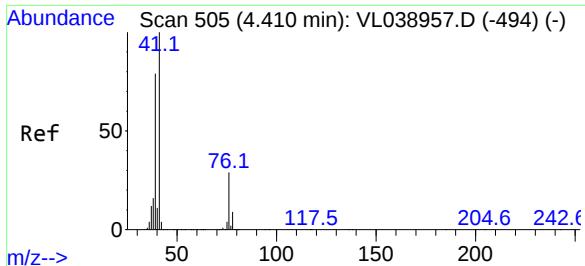


#20  
Methylene Chloride  
Concen: 0.631 ppbv m  
RT: 4.333 min Scan# 481  
Delta R.T. -0.010 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35



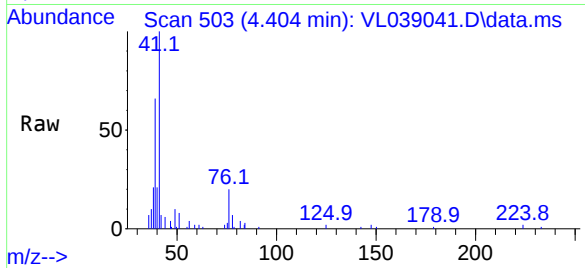
Tgt Ion: 84 Resp: 19935  
Ion Ratio Lower Upper  
84 100  
49 125.1 119.9 179.9  
51 36.8 35.7 53.5  
86 61.2 53.8 80.6





#21  
 Allyl Chloride  
 Concen: 0.474 ppbv m  
 RT: 4.404 min Scan# 503  
 Delta R.T. -0.006 min  
 Lab File: VL039041.D  
 Acq: 13 May 2022 17:35

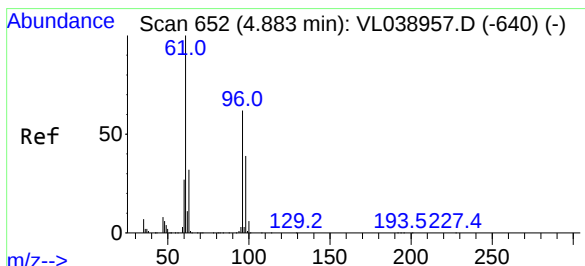
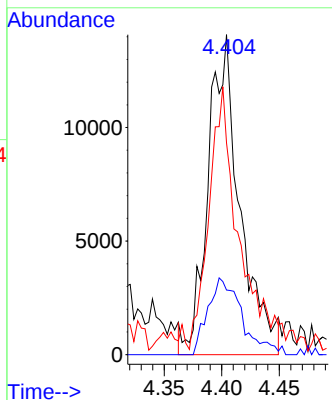
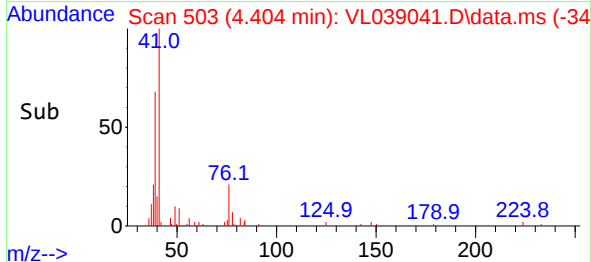
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 0.4 MDL



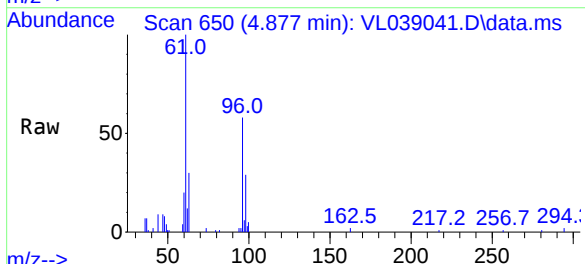
Tgt Ion: 41 Resp: 27035  
 Ion Ratio Lower Upper  
 41 100  
 76 25.9 24.2 36.4  
 39 96.0 63.8 95.8

Manual Integrations  
 APPROVED

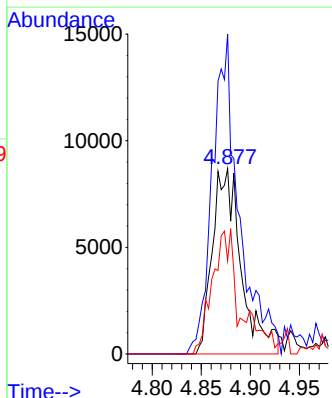
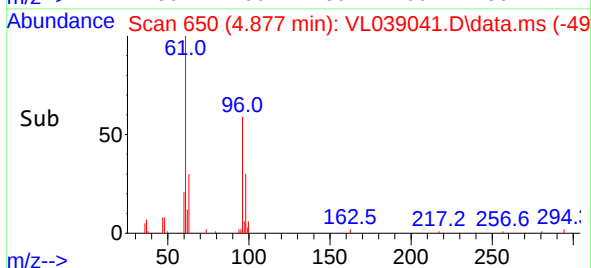
Reviewed By :Semsettin Yesilyurt 05/16/2022  
 Supervised By :Mahesh Dadoda 05/17/2022

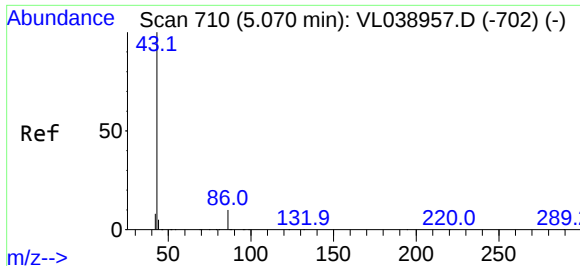


#22  
 trans-1,2-Dichloroethene  
 Concen: 0.467 ppbv m  
 RT: 4.877 min Scan# 650  
 Delta R.T. -0.006 min  
 Lab File: VL039041.D  
 Acq: 13 May 2022 17:35



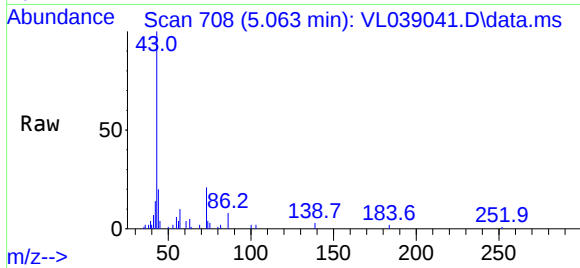
Tgt Ion: 96 Resp: 17851  
 Ion Ratio Lower Upper  
 96 100  
 61 172.8 128.2 192.2  
 98 50.3 50.1 75.1





#23  
 Vinyl Acetate  
 Concen: 0.455 ppbv m  
 RT: 5.063 min Scan# 708  
 Delta R.T. -0.006 min  
 Lab File: VL039041.D  
 Acq: 13 May 2022 17:35

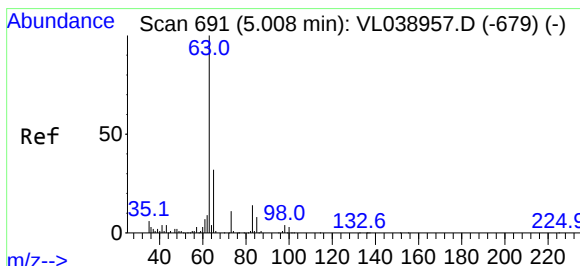
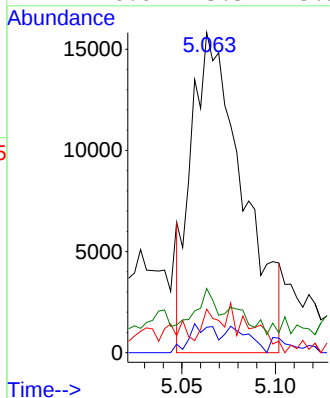
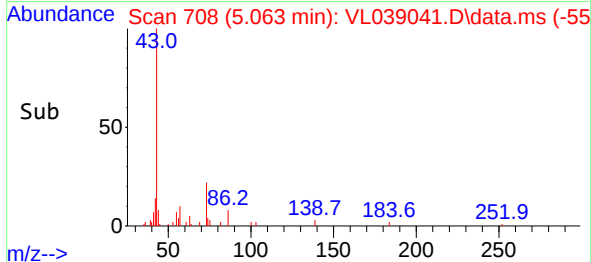
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 0.4 MDL



Tgt Ion: 43 Resp: 30184  
 Ion Ratio Lower Upper  
 43 100  
 86 8.0 6.6 9.8  
 42 13.6 8.1 12.1  
 44 20.0 3.5 5.3#

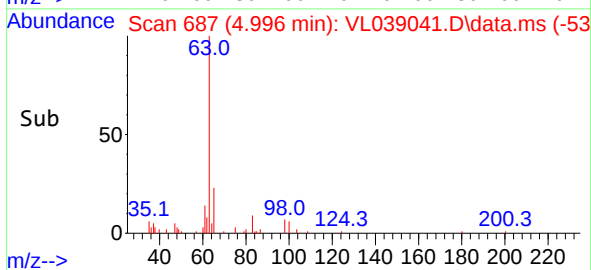
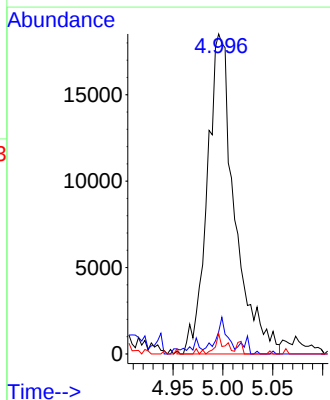
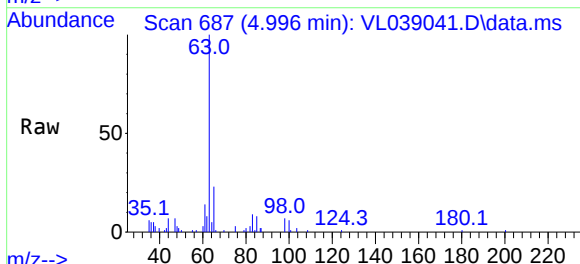
Manual Integrations  
 APPROVED

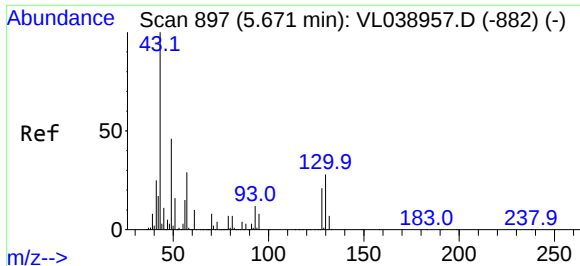
Reviewed By :Semsettin Yesilyurt 05/16/2022  
 Supervised By :Mahesh Dadoda 05/17/2022



#24  
 1,1-Dichloroethane  
 Concen: 0.463 ppbv m  
 RT: 4.996 min Scan# 687  
 Delta R.T. -0.013 min  
 Lab File: VL039041.D  
 Acq: 13 May 2022 17:35

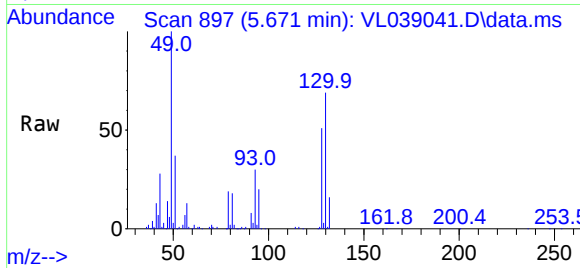
Tgt Ion: 63 Resp: 35368  
 Ion Ratio Lower Upper  
 63 100  
 98 7.0 2.1 6.2#  
 100 6.4 1.4 4.2#





#25  
Ethyl Acetate  
Concen: 0.426 ppbv  
RT: 5.671 min Scan# 897  
Delta R.T. 0.000 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL

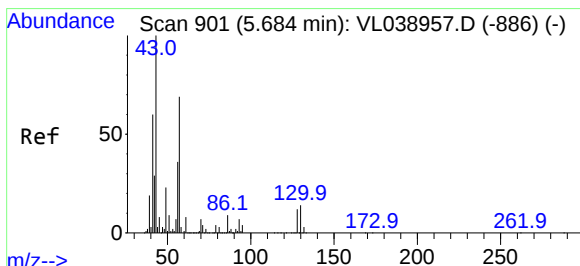
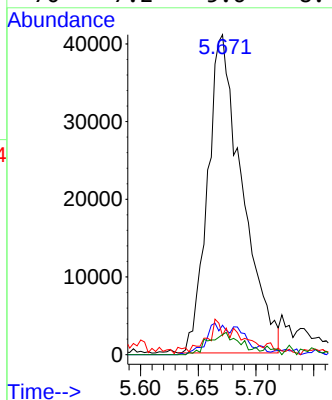
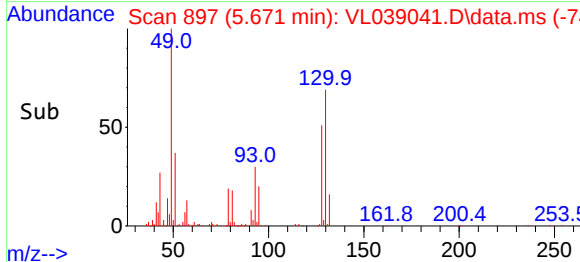


Tgt Ion: 43 Resp: 85434

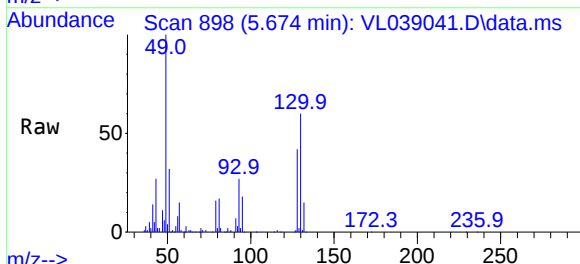
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 11.3  | 8.1   | 12.1  |
| 61  | 12.2  | 7.8   | 11.6  |
| 70  | 7.2   | 5.6   | 8.4   |

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022

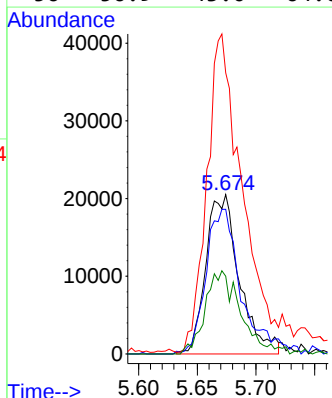
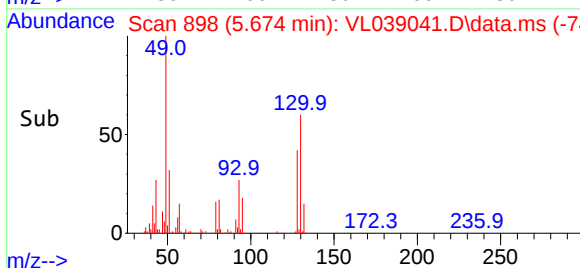


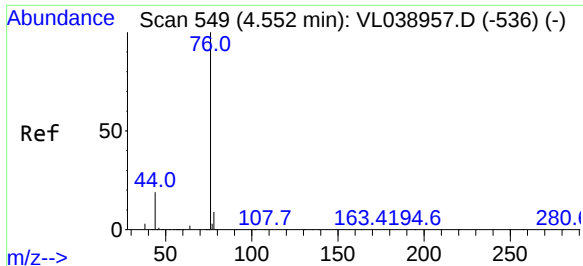
#26  
Hexane  
Concen: 0.455 ppbv m  
RT: 5.674 min Scan# 898  
Delta R.T. -0.010 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35



Tgt Ion: 57 Resp: 40507

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 99.2  | 75.2  | 112.8 |
| 43  | 236.0 | 190.8 | 286.2 |
| 56  | 56.9  | 43.0  | 64.6  |





#27

Carbon Disulfide

Concen: 0.391 ppbv m

RT: 4.542 min Scan# 549

Delta R.T. -0.010 min

Lab File: VL039041.D

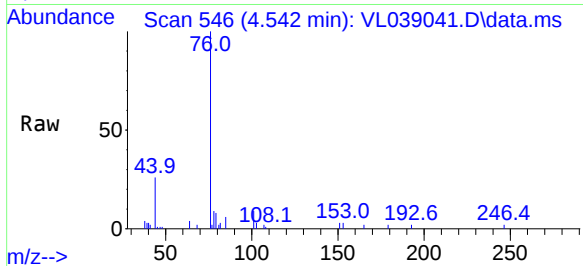
Acq: 13 May 2022 17:35

Instrument :

MSVOA\_L

ClientSampleId :

0.4 MDL



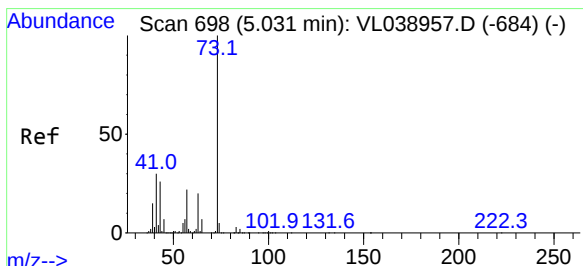
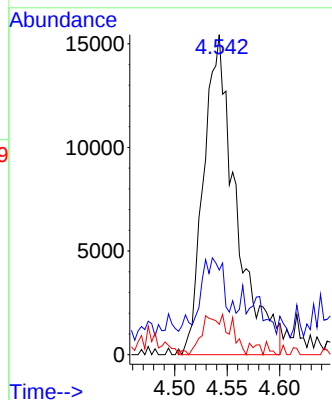
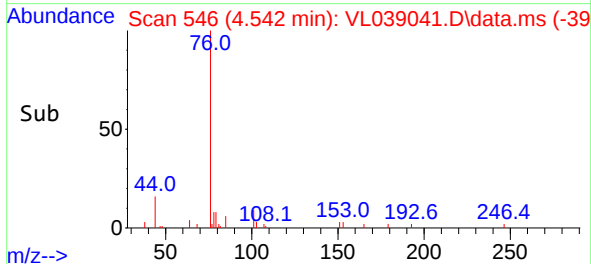
Tgt Ion: 76 Resp: 3305

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 44  | 32.6  | 15.3  | 22.9  |
| 78  | 11.9  | 8.2   | 12.2  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022



#28

Methyl tert-Butyl Ether

Concen: 0.487 ppbv

RT: 5.031 min Scan# 698

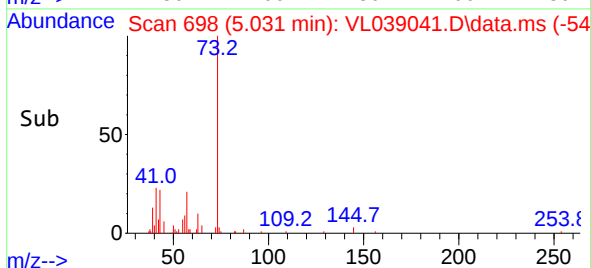
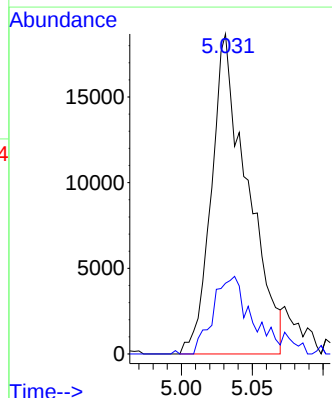
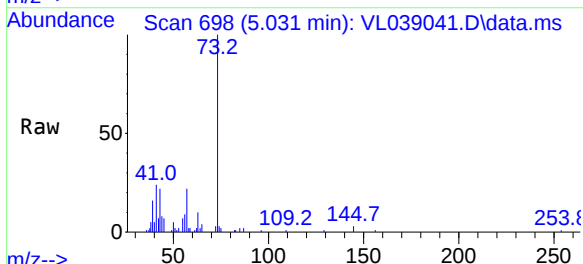
Delta R.T. 0.000 min

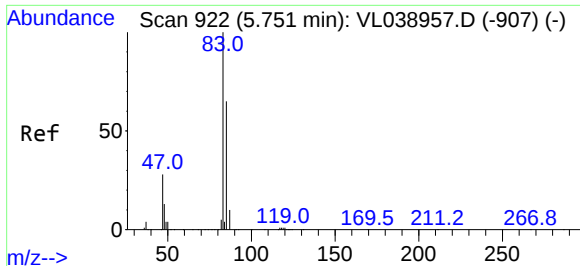
Lab File: VL039041.D

Acq: 13 May 2022 17:35

Tgt Ion: 73 Resp: 33025

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 57  | 27.9  | 18.8  | 28.2  |





#29

Chloroform

Concen: 0.414 ppbv

RT: 5.735 min Scan# 917

Delta R.T. -0.016 min

Lab File: VL039041.D

Acq: 13 May 2022 17:35

Instrument :

MSVOA\_L

ClientSampleId :

0.4 MDL

Tgt Ion: 83 Resp: 59720

Ion Ratio Lower Upper

83 100

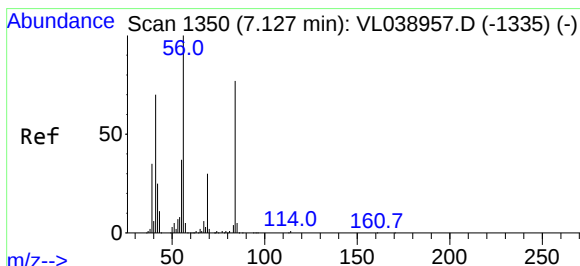
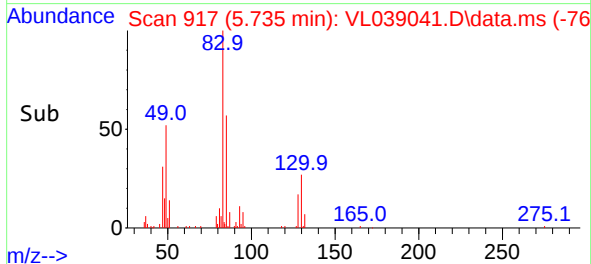
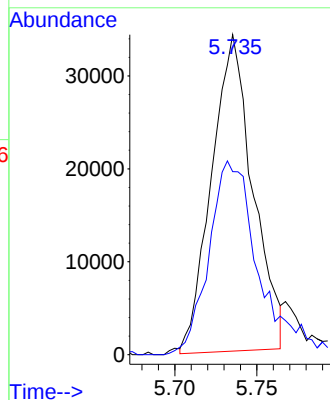
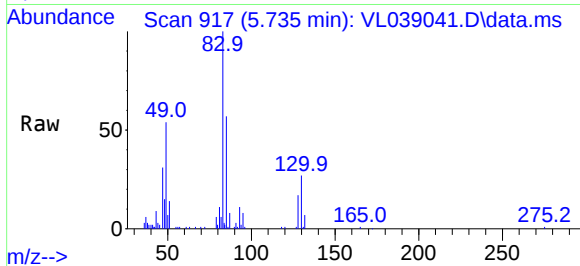
85 54.2 51.8 77.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2022

Supervised By :Mahesh Dadoda 05/17/2022



#30

Cyclohexane

Concen: 0.454 ppbv m

RT: 7.115 min Scan# 1346

Delta R.T. -0.013 min

Lab File: VL039041.D

Acq: 13 May 2022 17:35

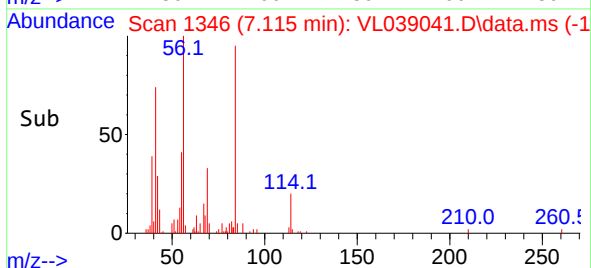
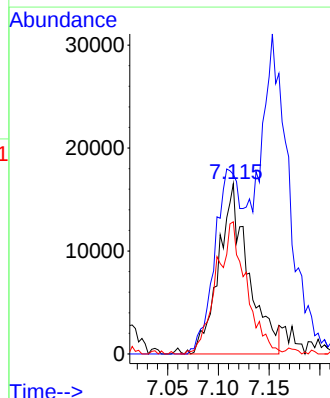
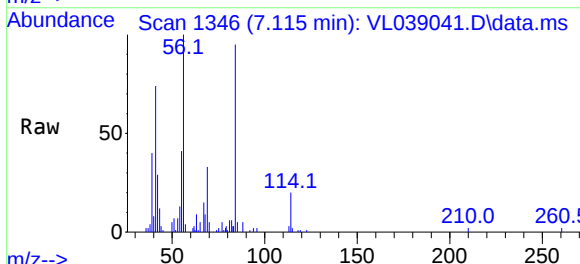
Tgt Ion: 84 Resp: 33866

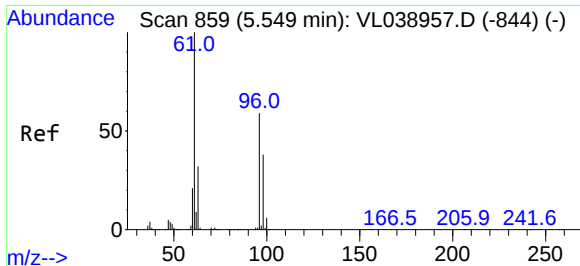
Ion Ratio Lower Upper

84 100

56 120.2 115.3 172.9

41 78.9 72.0 108.0





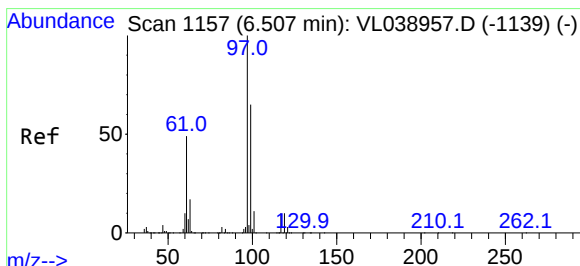
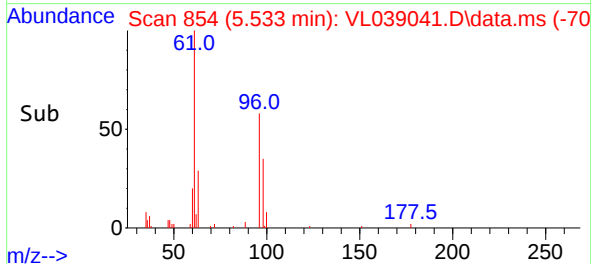
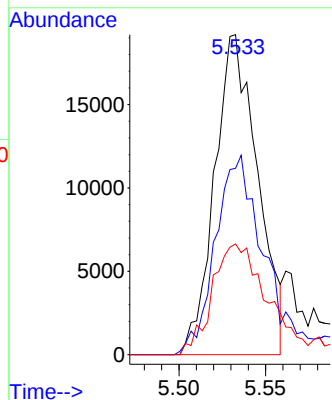
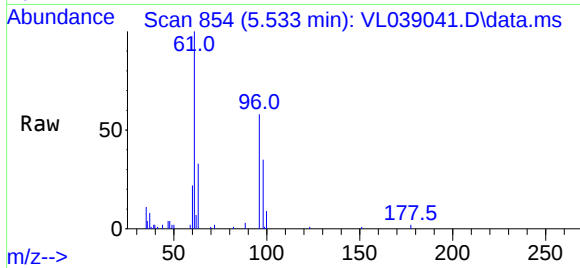
#31  
cis-1,2-Dichloroethene  
Concen: 0.366 ppbv  
RT: 5.533 min Scan# 81  
Delta R.T. -0.016 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL

Tgt Ion: 61 Resp: 33240  
Ion Ratio Lower Upper  
61 100  
96 57.2 47.4 71.0  
98 34.6 30.6 45.8

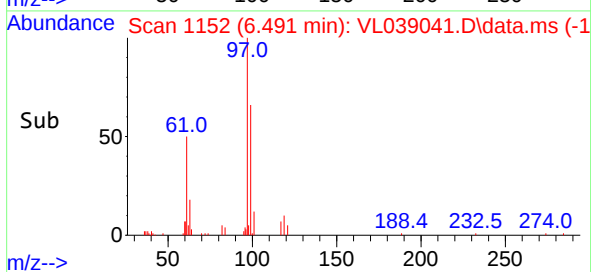
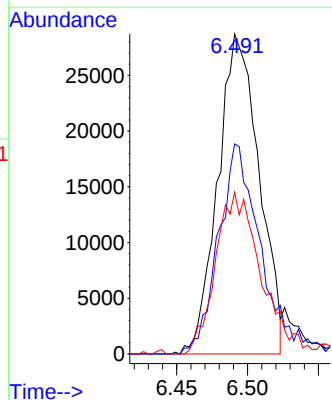
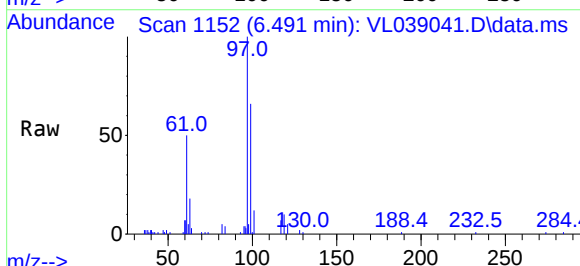
Manual Integrations  
APPROVED

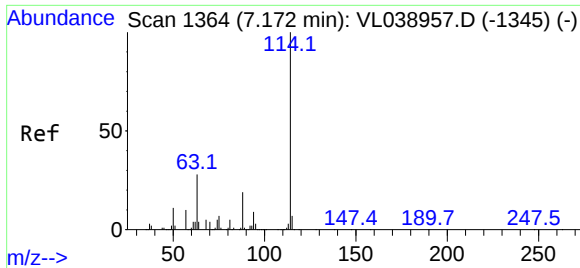
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022



#32  
1,1,1-Trichloroethane  
Concen: 0.403 ppbv  
RT: 6.491 min Scan# 1152  
Delta R.T. -0.016 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

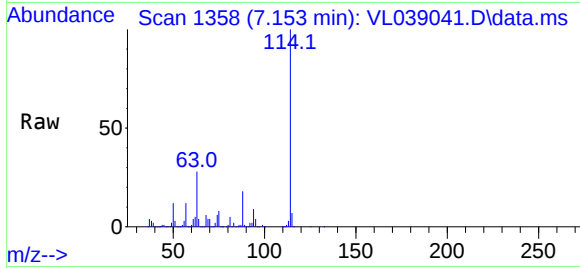
Tgt Ion: 97 Resp: 58097  
Ion Ratio Lower Upper  
97 100  
99 68.1 51.9 77.9  
61 57.4 40.9 61.3





#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.153 min Scan# 114  
Delta R.T. -0.019 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

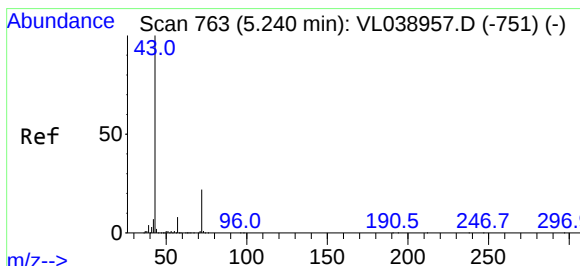
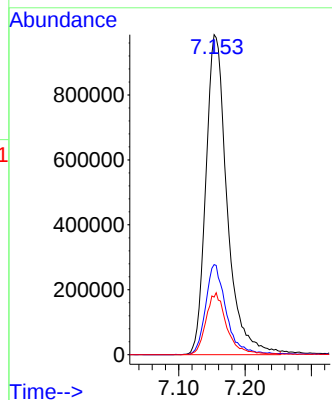
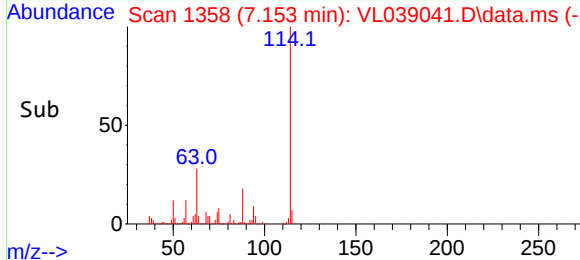
Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL



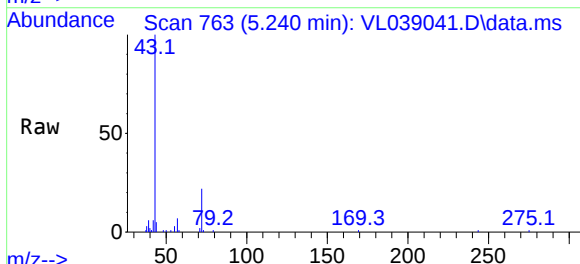
Tgt Ion:114 Resp: 2194010  
Ion Ratio Lower Upper  
114 100  
63 28.0 22.6 33.8  
88 19.1 15.4 23.0

Manual Integrations  
APPROVED

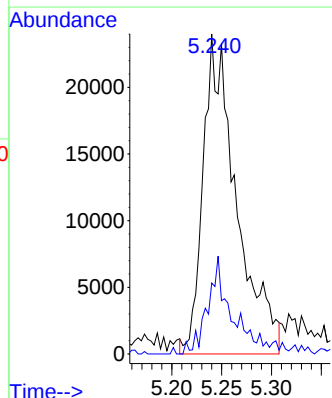
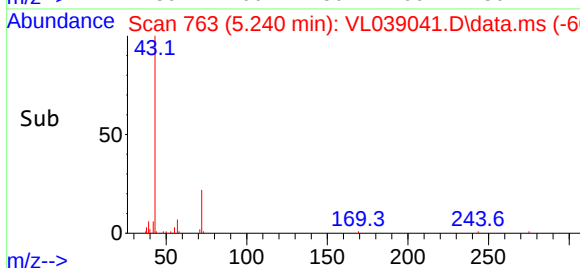
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022

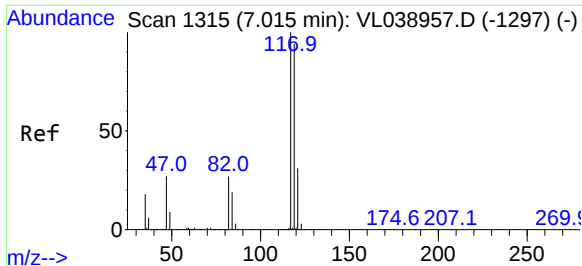


#34  
2-Butanone  
Concen: 0.497 ppbv m  
RT: 5.240 min Scan# 763  
Delta R.T. 0.000 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35



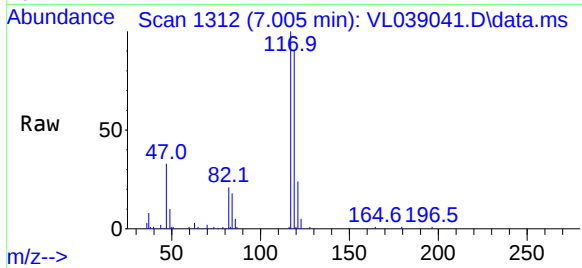
Tgt Ion: 43 Resp: 55620  
Ion Ratio Lower Upper  
43 100  
72 0.0 17.8 26.6#





#35  
Carbon Tetrachloride  
Concen: 0.398 ppbv m  
RT: 7.005 min Scan# 117  
Delta R.T. -0.010 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

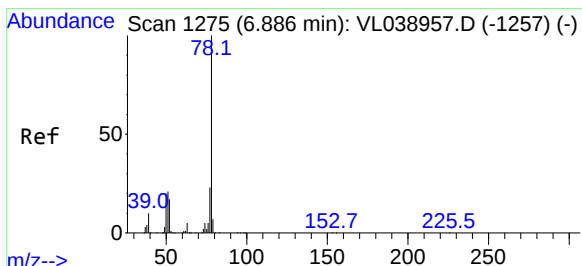
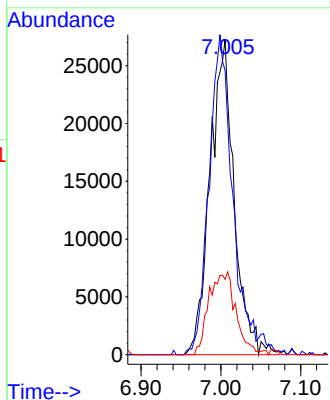
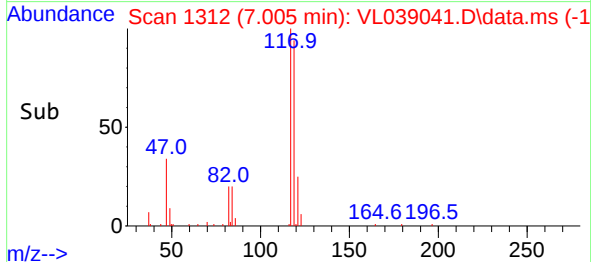
Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL



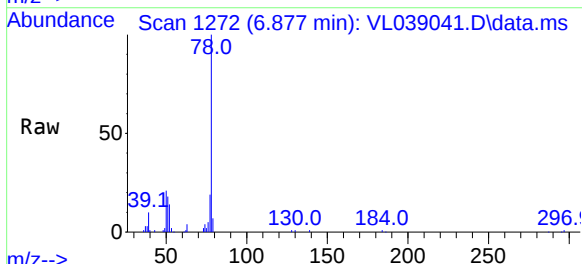
Tgt Ion: 117 Resp: 5752  
Ion Ratio Lower Upper  
117 100  
119 90.3 75.2 112.8  
121 23.9 24.6 37.0

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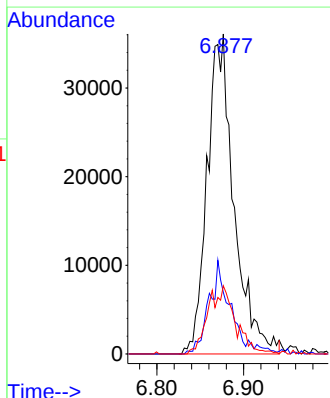
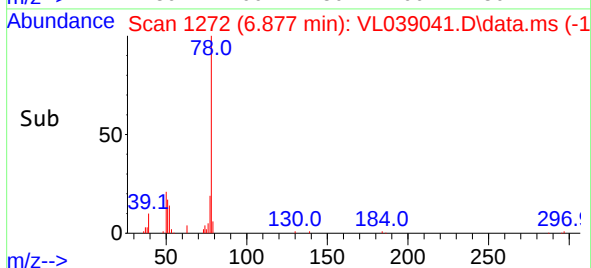
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022

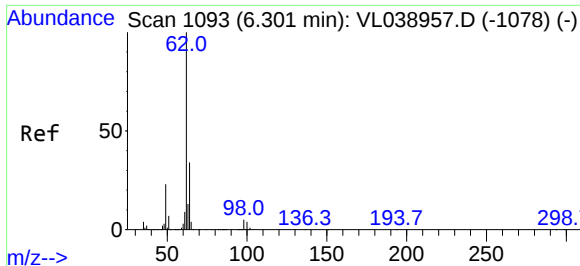


#36  
Benzene  
Concen: 0.414 ppbv m  
RT: 6.877 min Scan# 1272  
Delta R.T. -0.010 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35



Tgt Ion: 78 Resp: 77703  
Ion Ratio Lower Upper  
78 100  
77 19.3 18.6 28.0  
50 21.3 15.6 23.4





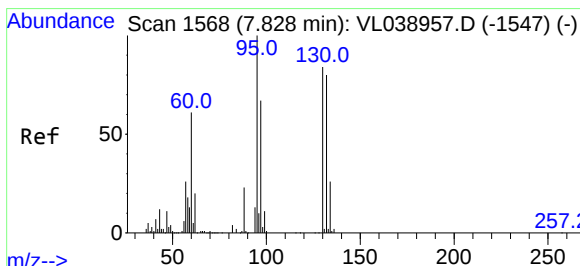
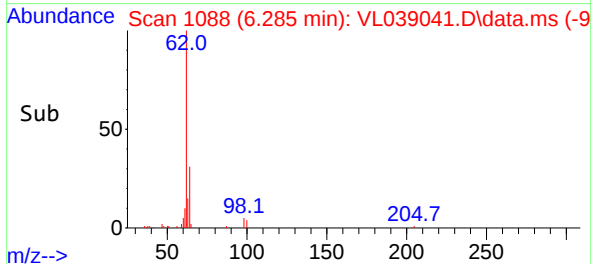
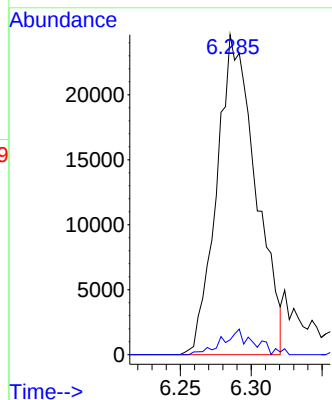
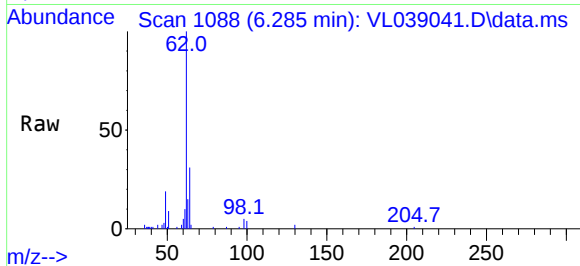
#37  
1,2-Dichloroethane  
Concen: 0.407 ppbv  
RT: 6.285 min Scan# 1088  
Delta R.T. -0.016 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL

Tgt Ion: 62 Resp: 47339  
Ion Ratio Lower Upper  
62 100  
98 6.5 4.5 6.7

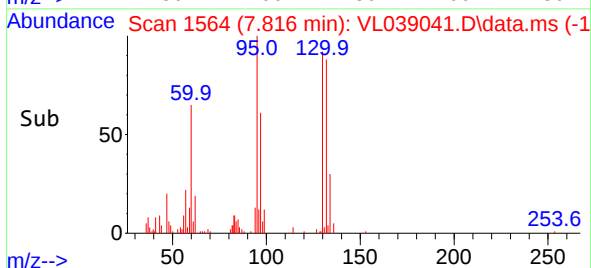
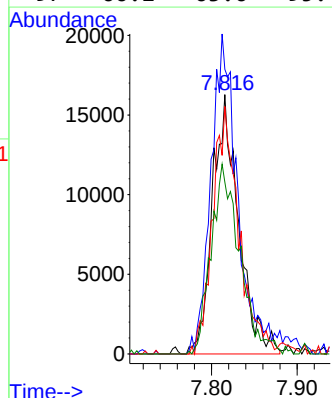
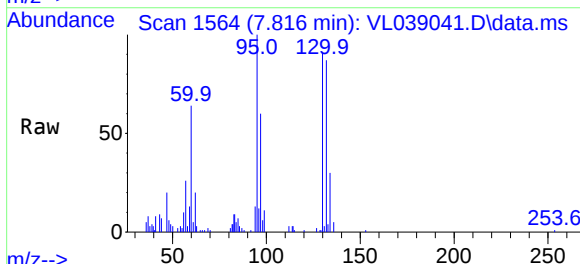
Manual Integrations  
APPROVED

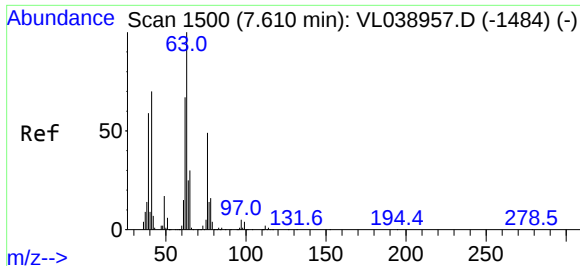
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022



#38  
Trichloroethene  
Concen: 0.414 ppbv m  
RT: 7.816 min Scan# 1564  
Delta R.T. -0.013 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

Tgt Ion:130 Resp: 34534  
Ion Ratio Lower Upper  
130 100  
95 109.8 94.8 142.2  
132 95.5 75.8 113.8  
97 66.2 63.6 95.4





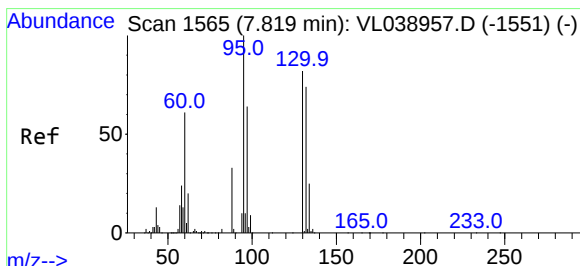
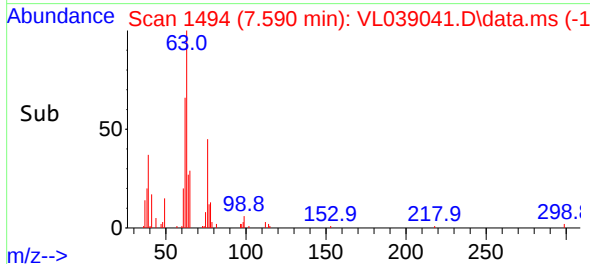
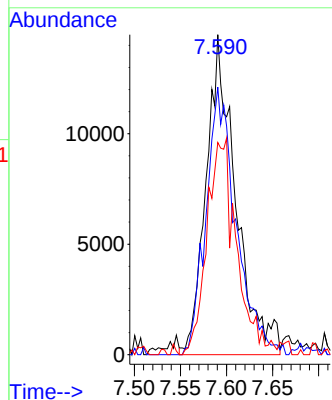
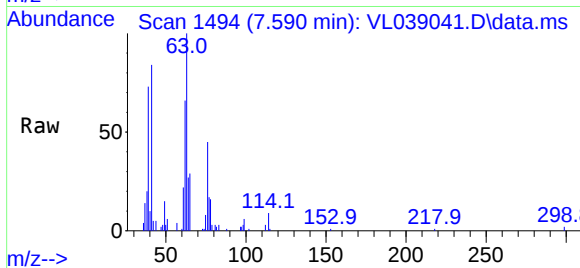
#39  
1,2-Dichloropropane  
Concen: 0.444 ppbv m  
RT: 7.590 min Scan# 14  
Delta R.T. -0.019 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL

Tgt Ion: 63 Resp: 32450  
Ion Ratio Lower Upper  
63 100  
41 83.6 55.9 83.9  
62 66.3 53.8 80.6

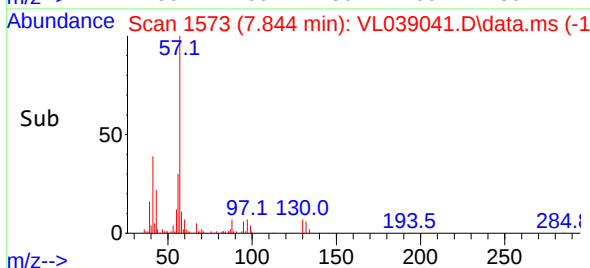
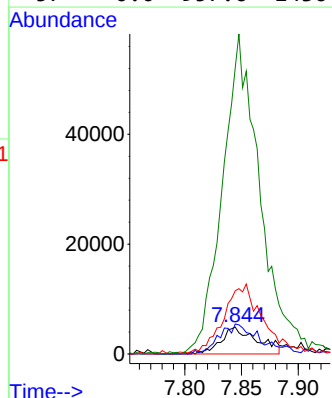
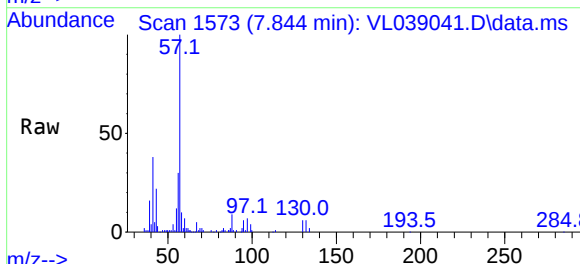
Manual Integrations  
APPROVED

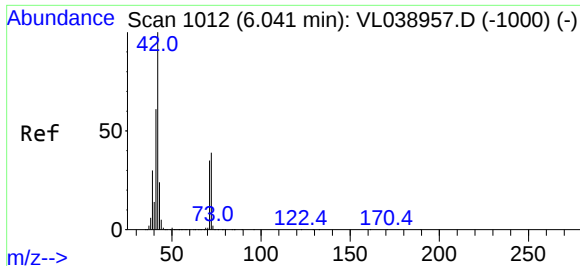
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022



#40  
1,4-Dioxane  
Concen: 0.415 ppbv m  
RT: 7.844 min Scan# 1573  
Delta R.T. 0.026 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

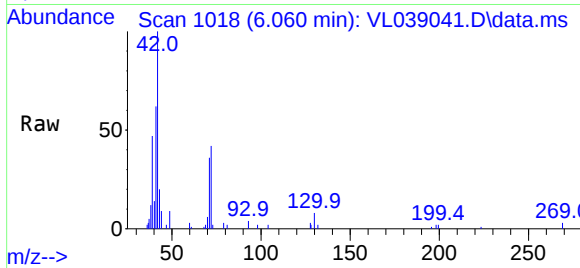
Tgt Ion: 88 Resp: 10887  
Ion Ratio Lower Upper  
88 100  
58 0.0 106.1 159.1#  
43 0.0 222.9 334.3#  
57 0.0 957.6 1436.4#





#41  
Tetrahydrofuran  
Concen: 0.283 ppbv  
RT: 6.060 min Scan# 1012  
Delta R.T. 0.019 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

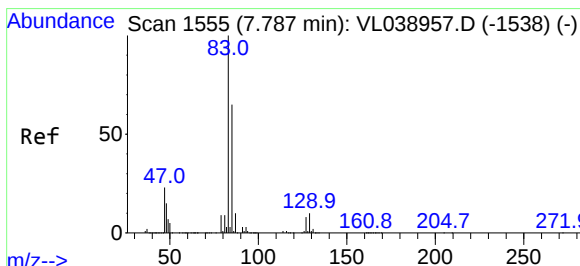
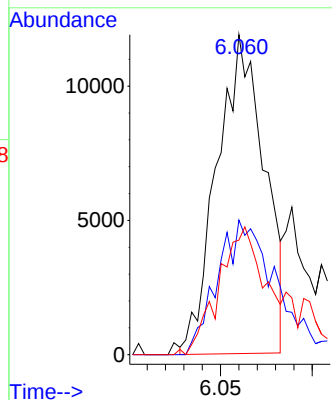
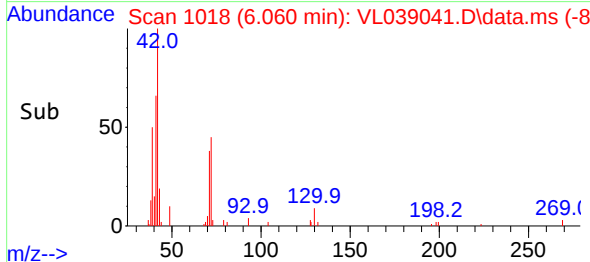
Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL



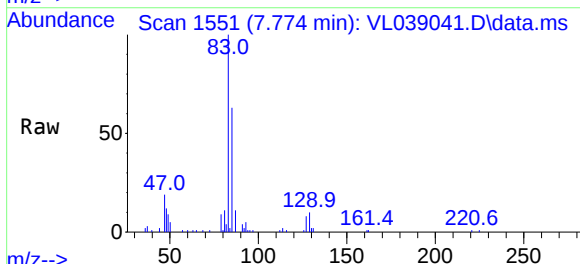
Tgt Ion: 42 Resp: 21314  
Ion Ratio Lower Upper  
42 100  
72 51.3 31.8 47.6  
71 52.0 30.6 45.8

Manual Integrations  
APPROVED

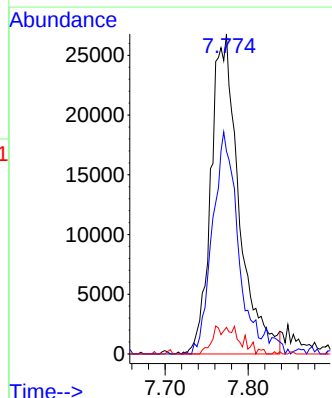
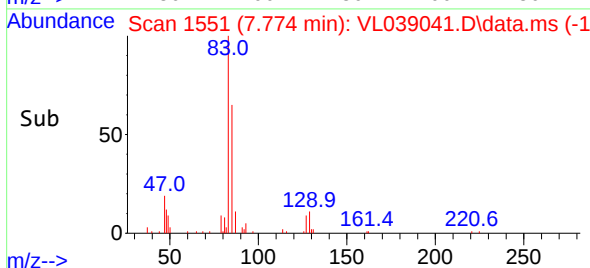
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022

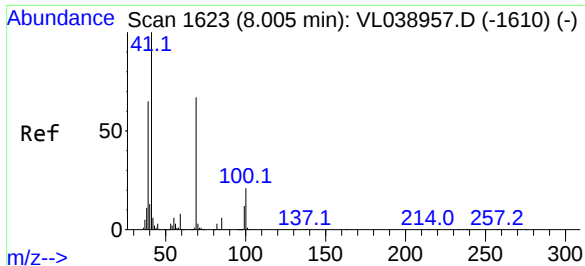


#42  
Bromodichloromethane  
Concen: 0.393 ppbv m  
RT: 7.774 min Scan# 1551  
Delta R.T. -0.013 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35



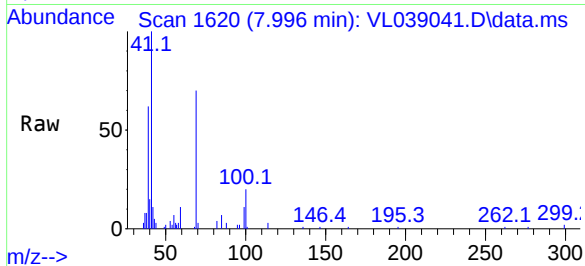
Tgt Ion: 83 Resp: 62439  
Ion Ratio Lower Upper  
83 100  
85 63.4 52.0 78.0  
127 8.3 6.0 9.0





#43  
Methyl Methacrylate  
Concen: 0.320 ppbv  
RT: 7.996 min Scan# 1623  
Delta R.T. -0.010 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

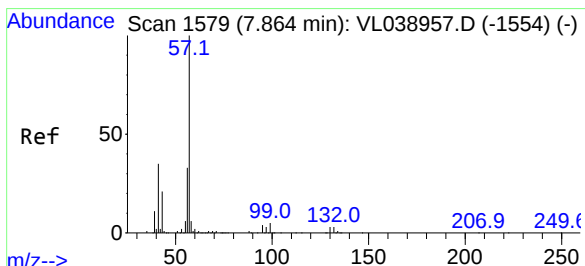
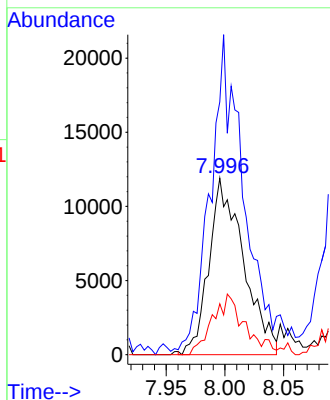
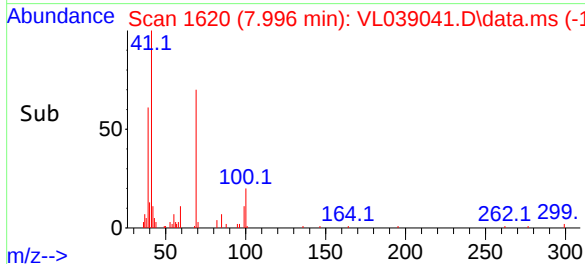
Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL



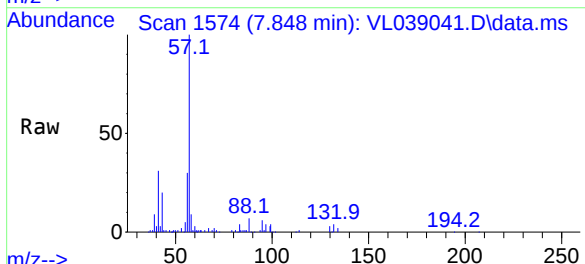
Tgt Ion: 69 Resp: 24418  
Ion Ratio Lower Upper  
69 100  
41 184.6 121.9 182.9  
100 33.5 24.6 36.8

Manual Integrations  
APPROVED

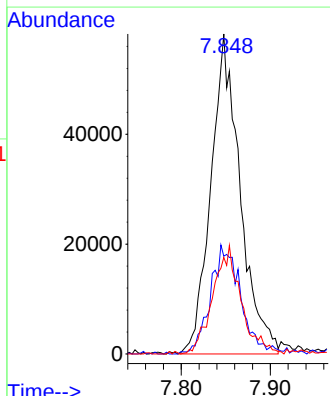
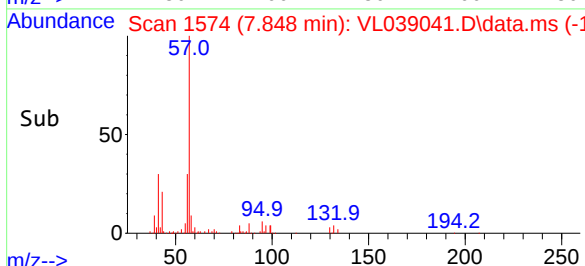
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022

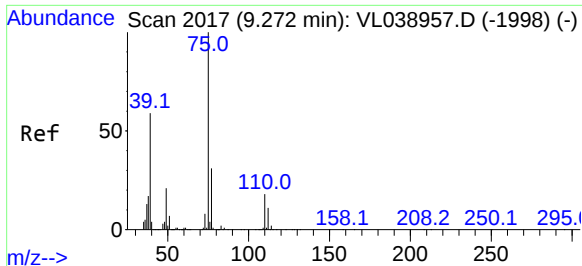


#44  
2,2,4-Trimethylpentane  
Concen: 0.404 ppbv  
RT: 7.848 min Scan# 1574  
Delta R.T. -0.016 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35



Tgt Ion: 57 Resp: 133182  
Ion Ratio Lower Upper  
57 100  
41 35.8 26.3 39.5  
56 32.8 24.6 37.0





#45  
t-1,3-Dichloropropene  
Concen: 0.229 ppbv  
RT: 9.266 min Scan# 2017  
Delta R.T. -0.006 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

Instrument :

MSVOA\_L

ClientSampleId :

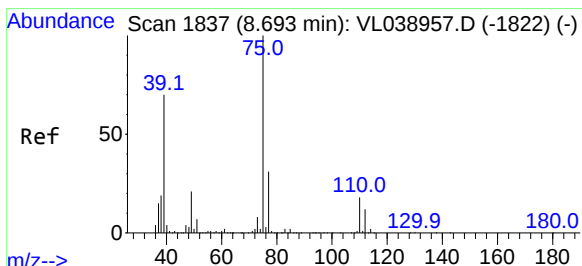
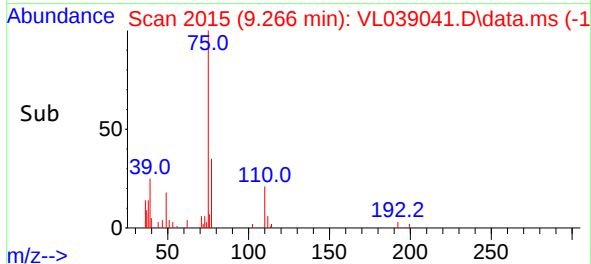
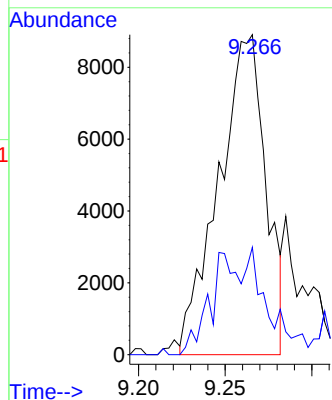
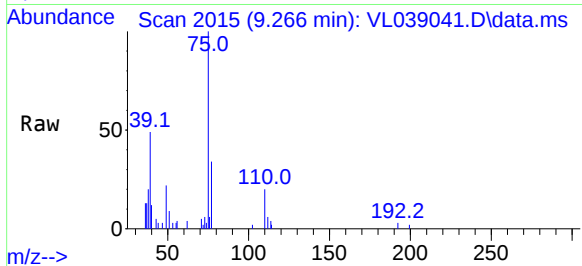
0.4 MDL

Tgt Ion: 75 Resp: 16870  
Ion Ratio Lower Upper  
75 100  
77 31.5 24.6 37.0

Manual Integrations

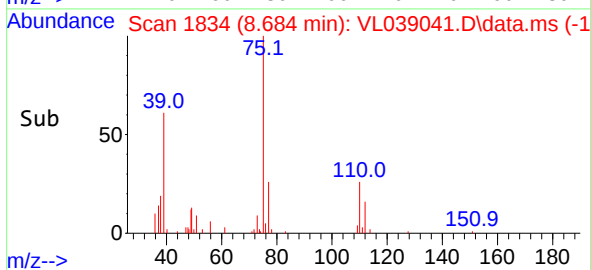
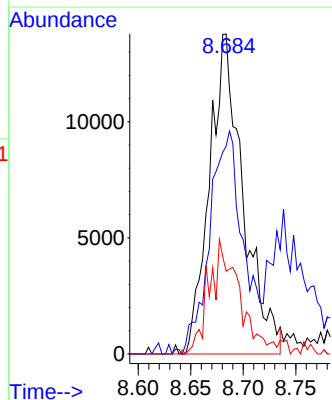
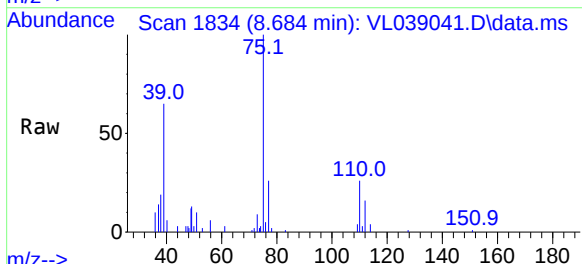
APPROVED

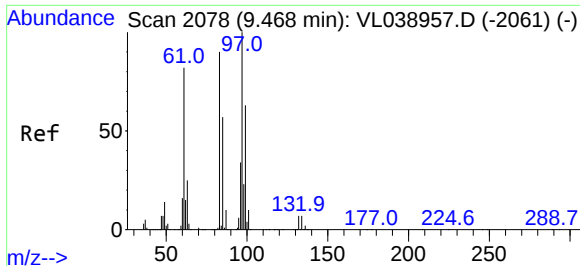
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022



#46  
cis-1,3-Dichloropropene  
Concen: 0.313 ppbv m  
RT: 8.684 min Scan# 1834  
Delta R.T. -0.010 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

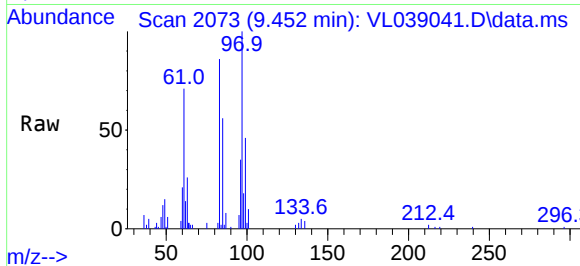
Tgt Ion: 75 Resp: 30661  
Ion Ratio Lower Upper  
75 100  
39 64.9 55.8 83.6  
77 25.9 24.8 37.2





#47  
1,1,2-Trichloroethane  
Concen: 0.423 ppbv  
RT: 9.452 min Scan# 2078  
Delta R.T. -0.016 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

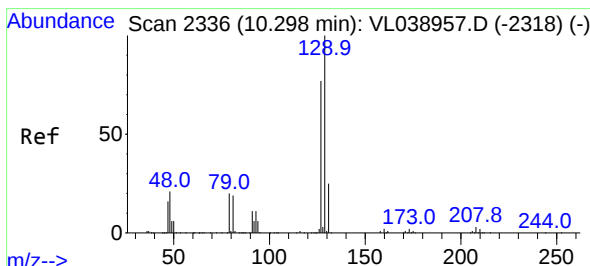
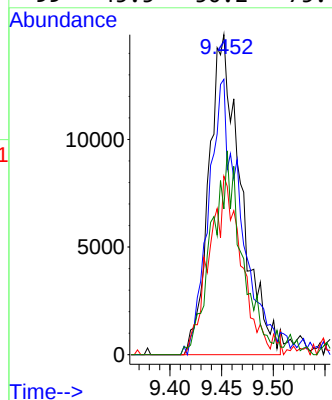
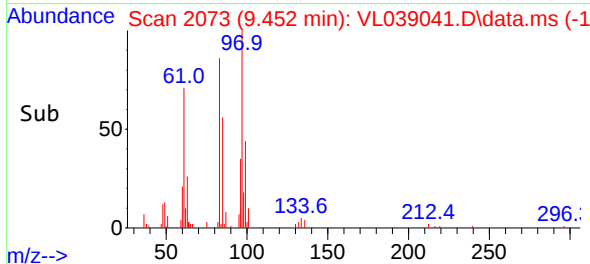
Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL



Tgt Ion: 97 Resp: 3216  
Ion Ratio Lower Upper  
97 100  
83 86.0 72.0 108.0  
85 55.8 45.7 68.5  
99 45.5 50.2 75.4#

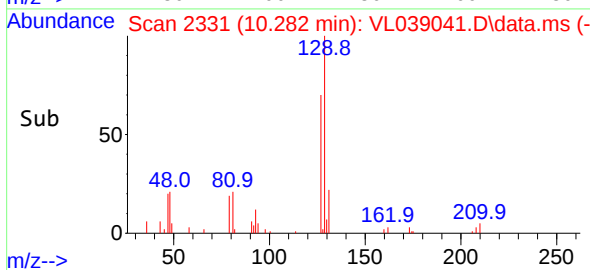
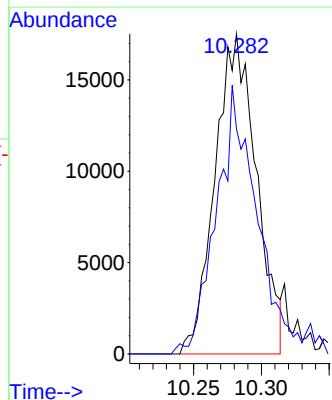
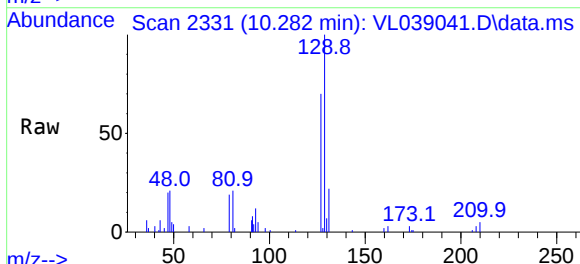
Manual Integrations  
APPROVED

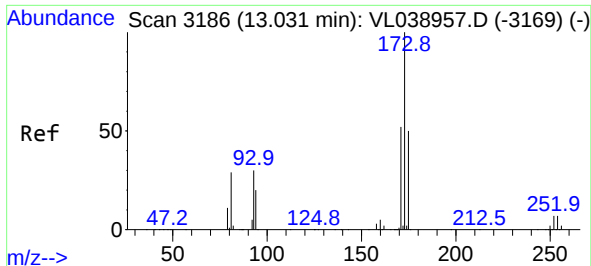
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022



#48  
Dibromochloromethane  
Concen: 0.300 ppbv  
RT: 10.282 min Scan# 2331  
Delta R.T. -0.016 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

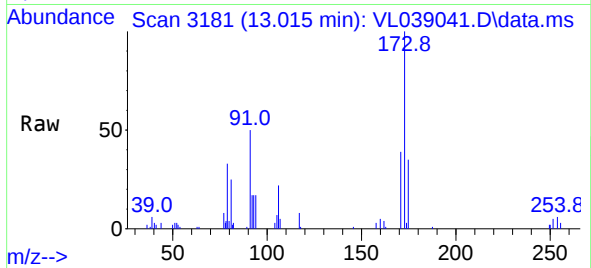
Tgt Ion:129 Resp: 37102  
Ion Ratio Lower Upper  
129 100  
127 84.9 39.3 117.9





#49  
Bromoform  
Concen: 0.318 ppbv m  
RT: 13.015 min Scan# 3186  
Delta R.T. -0.016 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

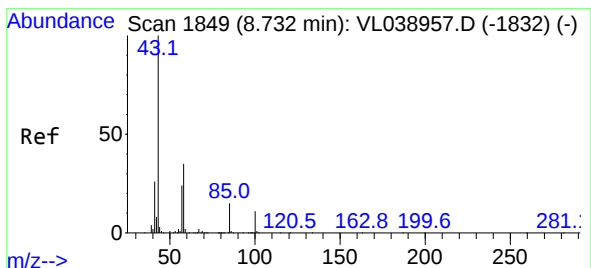
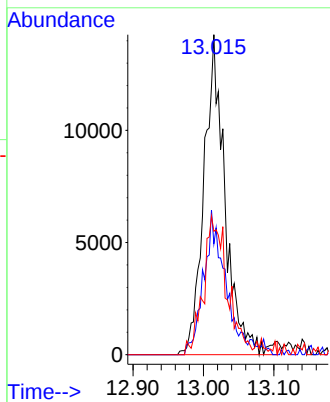
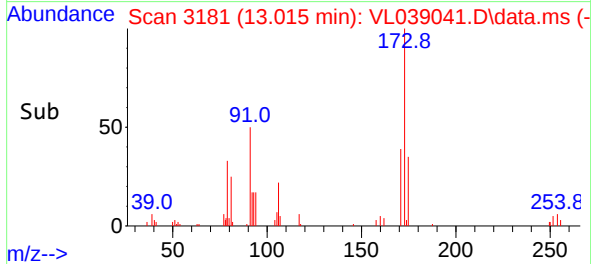
Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL



Tgt Ion:173 Resp: 30004  
Ion Ratio Lower Upper  
173 100  
175 47.8 41.0 61.6  
171 49.7 42.6 64.0

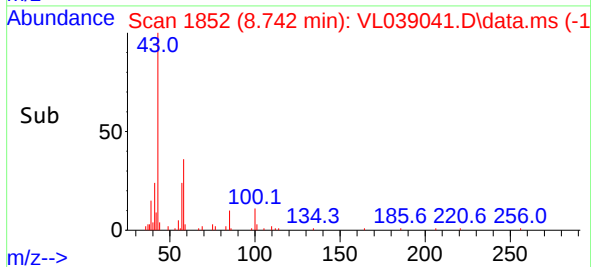
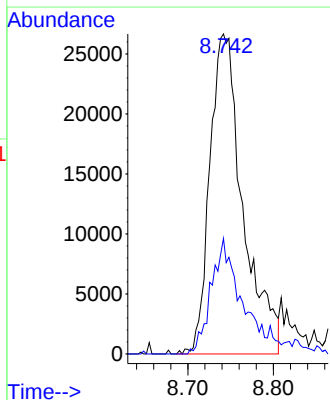
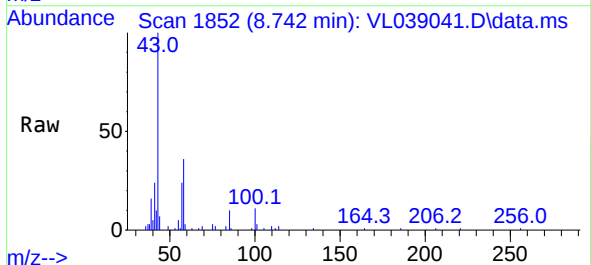
Manual Integrations  
APPROVED

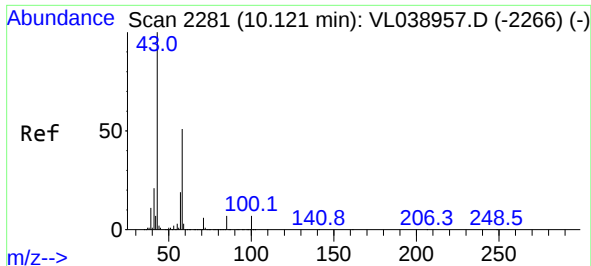
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022



#50  
4-Methyl-2-Pentanone  
Concen: 0.364 ppbv m  
RT: 8.742 min Scan# 1852  
Delta R.T. 0.010 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

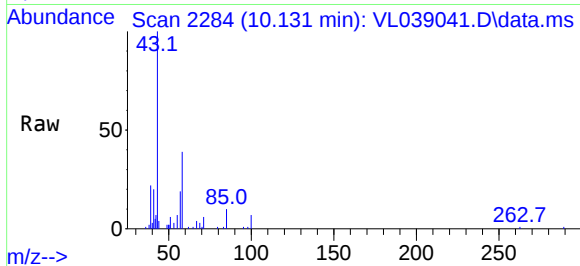
Tgt Ion: 43 Resp: 71517  
Ion Ratio Lower Upper  
43 100  
58 37.0 28.4 42.6





#51  
2-Hexanone  
Concen: 0.337 ppbv m  
RT: 10.131 min Scan# 210  
Delta R.T. 0.010 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

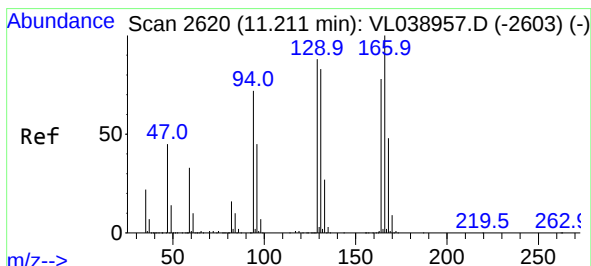
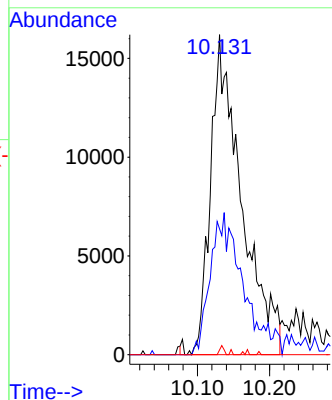
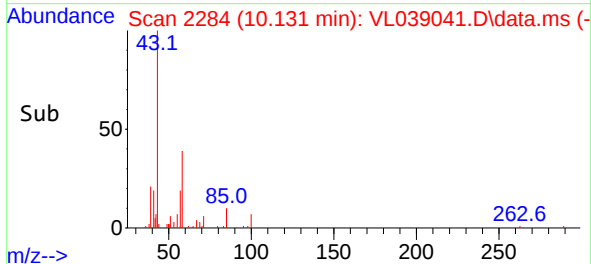
Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL



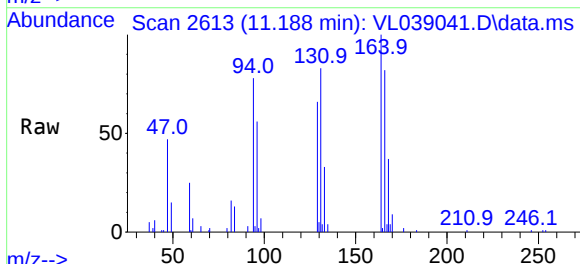
Tgt Ion: 43 Resp: 48310  
Ion Ratio Lower Upper  
43 100  
58 0.0 39.3 58.9#  
98 0.5 0.2 0.2#

Manual Integrations  
APPROVED

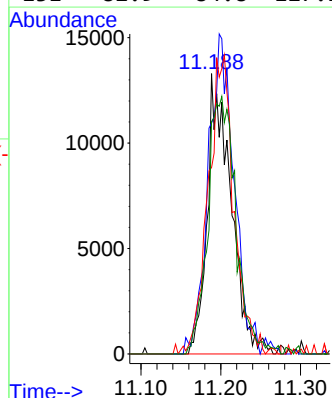
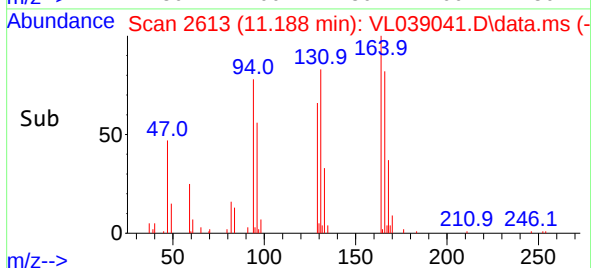
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022

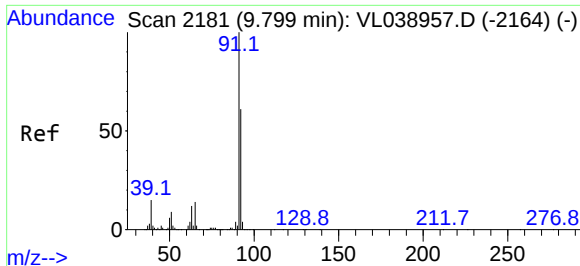


#52  
Tetrachloroethene  
Concen: 0.411 ppbv m  
RT: 11.188 min Scan# 2613  
Delta R.T. -0.022 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35



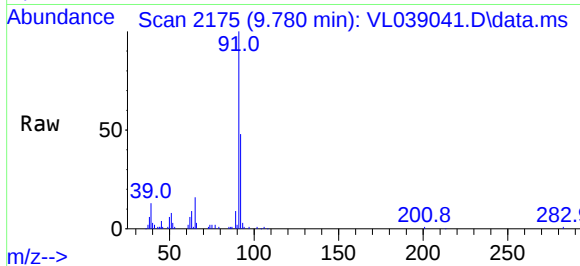
Tgt Ion:164 Resp: 27564  
Ion Ratio Lower Upper  
164 100  
166 82.4 102.5 153.7#  
129 66.5 90.1 135.1#  
131 82.9 84.8 127.2#





#53  
Toluene  
Concen: 0.357 ppbv  
RT: 9.780 min Scan# 2181  
Delta R.T. -0.019 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

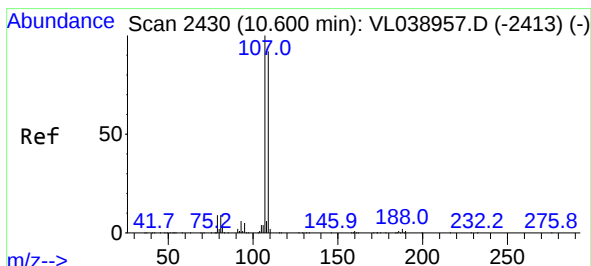
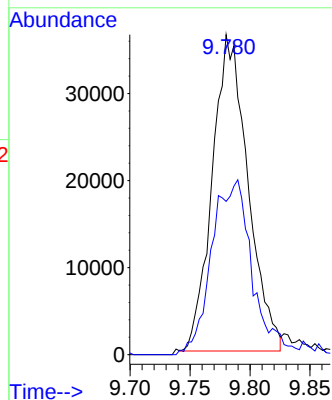
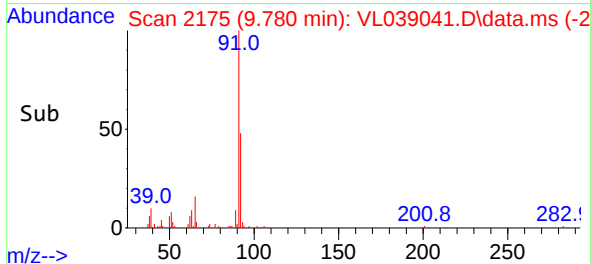
Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL



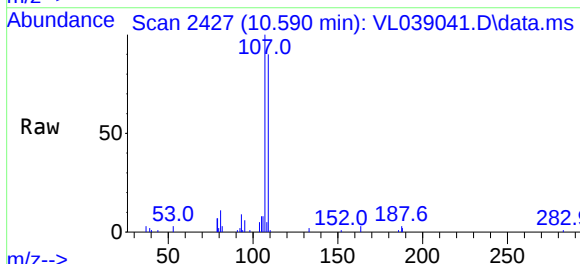
Tgt Ion: 91 Resp: 75063  
Ion Ratio Lower Upper  
91 100  
92 65.1 48.2 72.2

Manual Integrations  
APPROVED

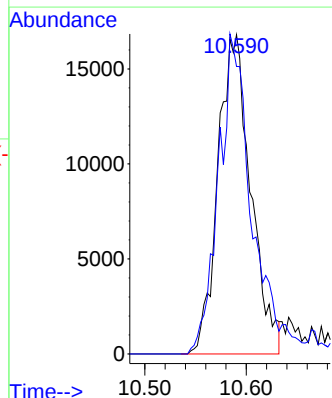
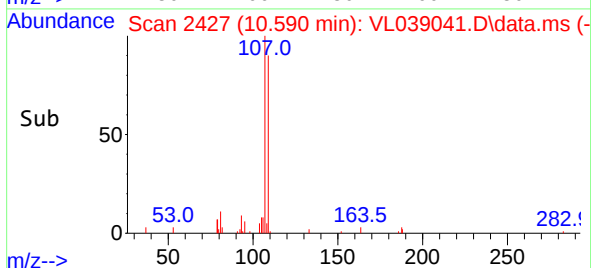
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022

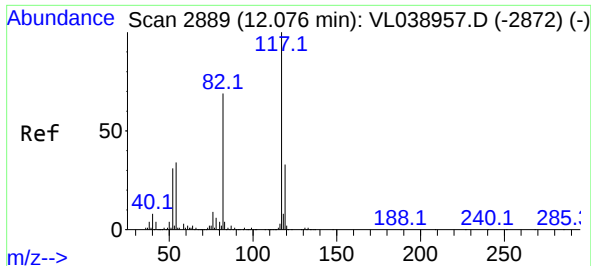


#54  
1,2-Dibromoethane  
Concen: 0.364 ppbv m  
RT: 10.590 min Scan# 2427  
Delta R.T. -0.010 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35



Tgt Ion:107 Resp: 37674  
Ion Ratio Lower Upper  
107 100  
109 90.0 73.8 110.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.060 min Scan# 2884

Delta R.T. -0.016 min

Lab File: VL039041.D

Acq: 13 May 2022 17:35

Instrument :

MSVOA\_L

ClientSampleId :

0.4 MDL

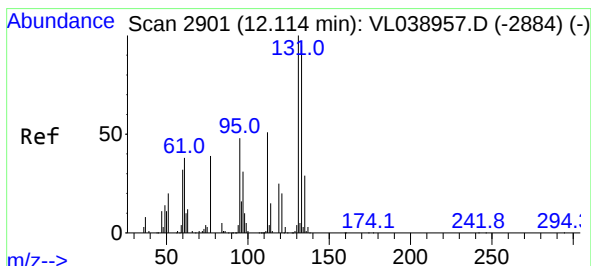
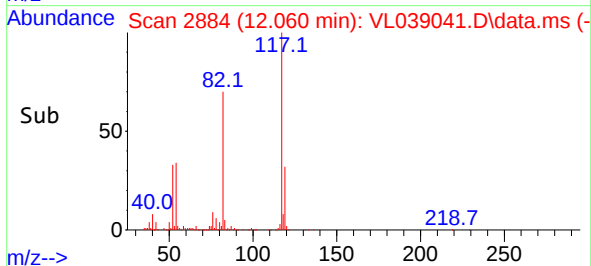
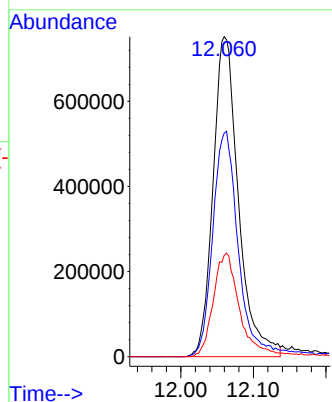
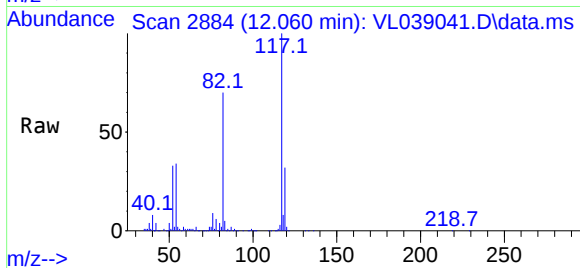
Tgt Ion:117 Resp: 1832370

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 73.1  | 57.0  | 85.6  |
| 119 | 34.8  | 27.2  | 40.8  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022



#56

1,1,1,2-Tetrachloroethane

Concen: 0.431 ppbv m

RT: 12.102 min Scan# 2897

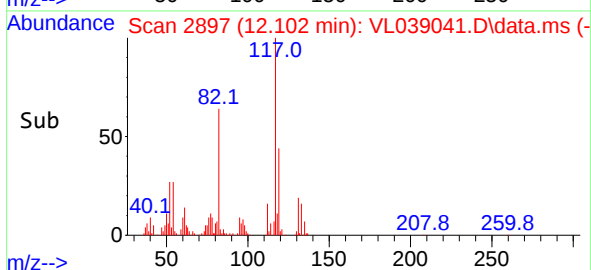
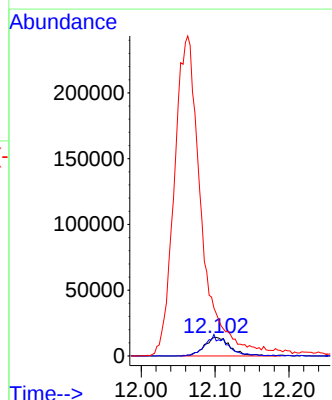
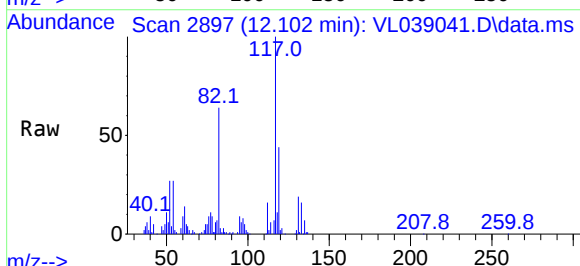
Delta R.T. -0.013 min

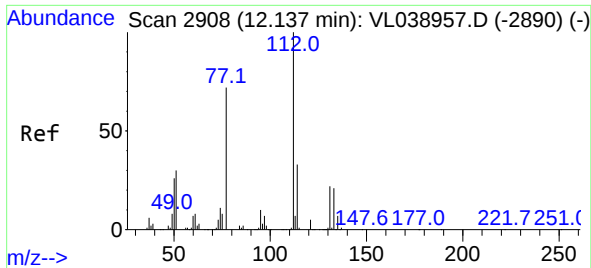
Lab File: VL039041.D

Acq: 13 May 2022 17:35

Tgt Ion:131 Resp: 34685

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 131 | 100   |       |       |
| 133 | 95.5  | 76.9  | 115.3 |
| 119 | 0.0   | 47.4  | 71.0  |





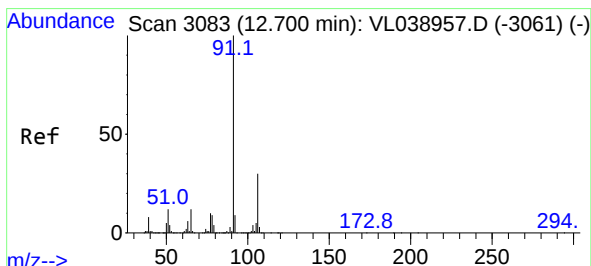
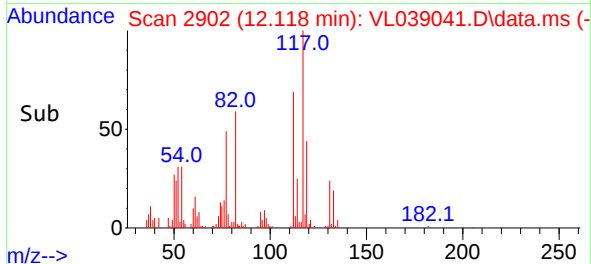
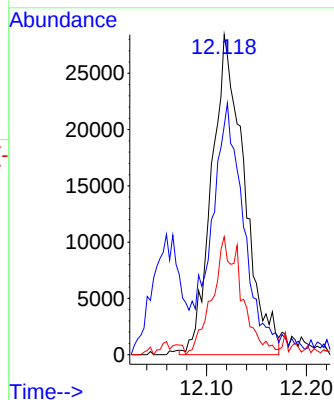
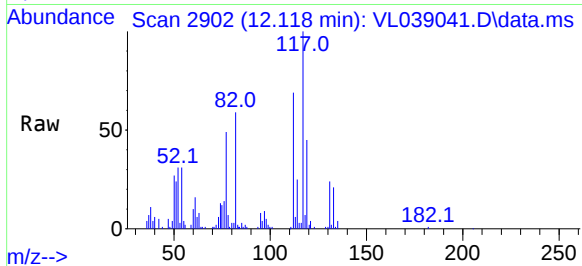
#57  
Chlorobenzene  
Concen: 0.468 ppbv m  
RT: 12.118 min Scan# 2908  
Delta R.T. -0.019 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL

Tgt Ion:112 Resp: 64320  
Ion Ratio Lower Upper  
112 100  
77 71.5 57.7 86.5  
114 36.8 30.1 36.7

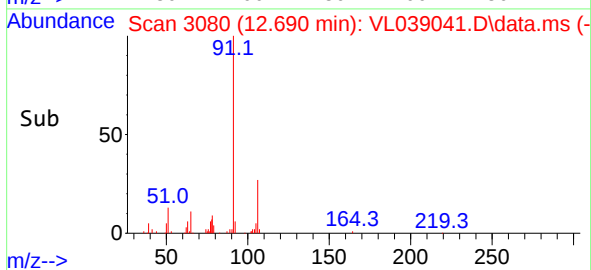
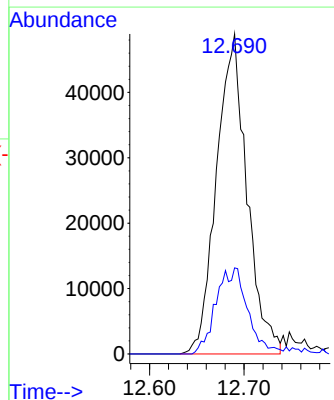
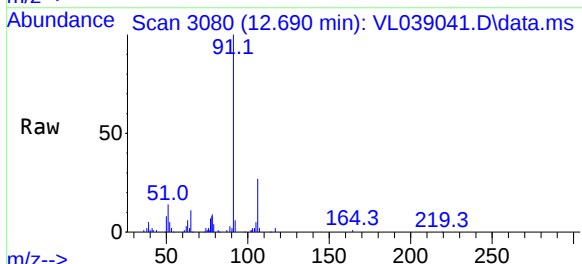
Manual Integrations  
APPROVED

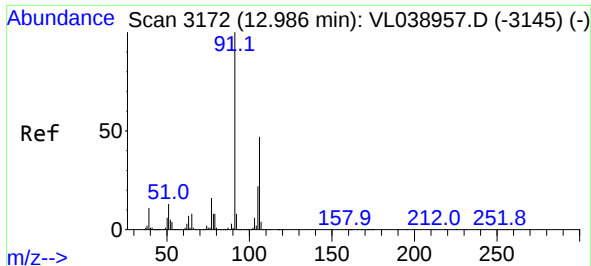
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022



#58  
Ethyl Benzene  
Concen: 0.414 ppbv  
RT: 12.690 min Scan# 3080  
Delta R.T. -0.010 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

Tgt Ion: 91 Resp: 109240  
Ion Ratio Lower Upper  
91 100  
106 26.9 24.2 36.4





#59

m/p-Xylene

Concen: 0.820 ppbv m

RT: 12.973 min Scan# 3172

Delta R.T. -0.013 min

Lab File: VL039041.D

Acq: 13 May 2022 17:35

Instrument :

MSVOA\_L

ClientSampleId :

0.4 MDL

Tgt Ion: 91 Resp: 184704

Ion Ratio Lower Upper

91 100

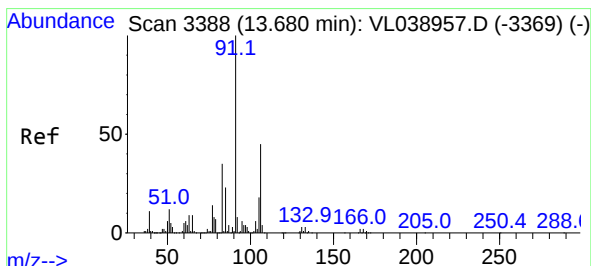
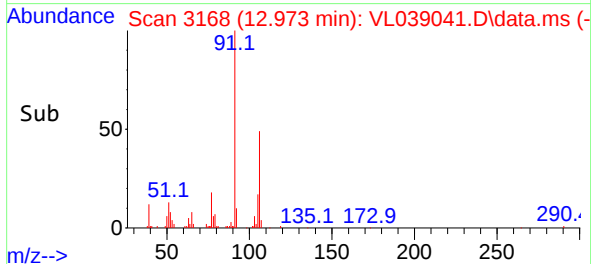
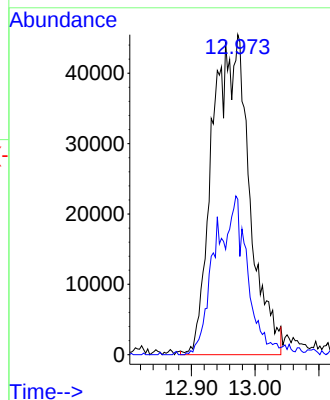
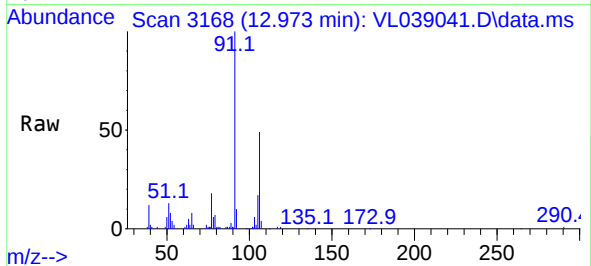
106 43.7 34.6 52.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/16/2022

Supervised By :Mahesh Dadoda 05/17/2022



#60

o-Xylene

Concen: 0.431 ppbv m

RT: 13.667 min Scan# 3384

Delta R.T. -0.013 min

Lab File: VL039041.D

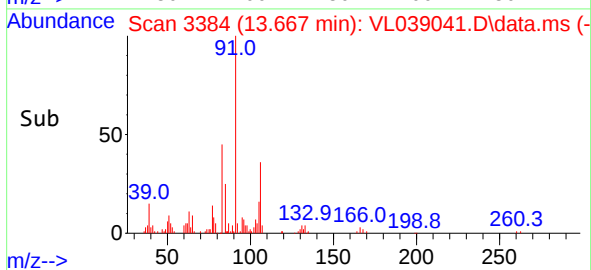
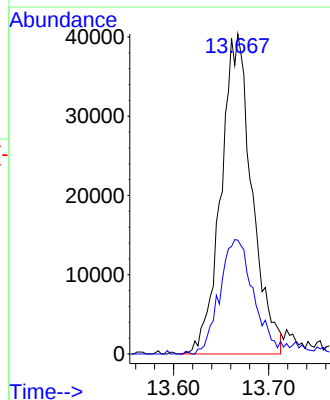
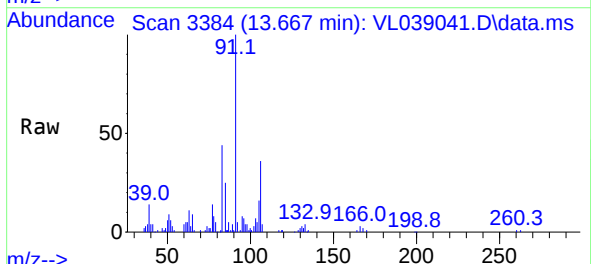
Acq: 13 May 2022 17:35

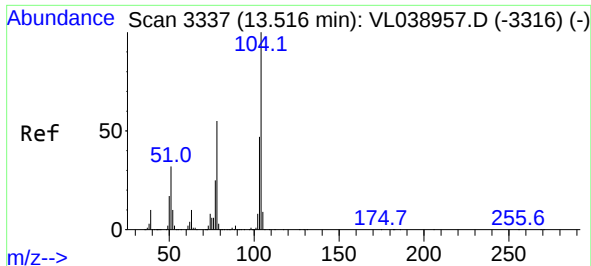
Tgt Ion: 91 Resp: 91387

Ion Ratio Lower Upper

91 100

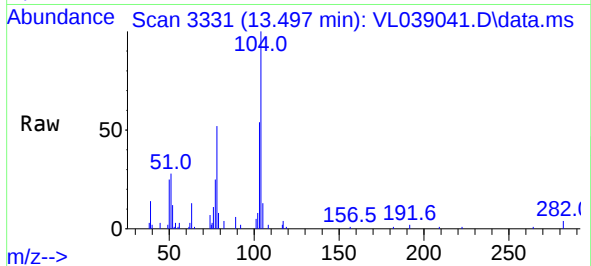
106 0.0 22.2 66.6#





#61  
Styrene  
Concen: 0.371 ppbv m  
RT: 13.497 min Scan# 31  
Delta R.T. -0.019 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

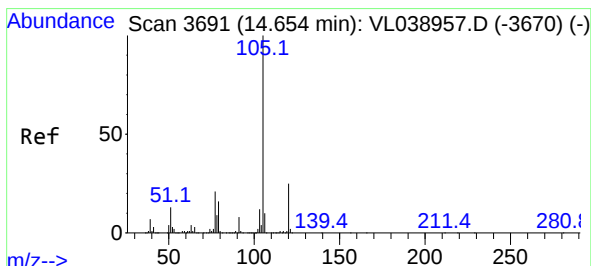
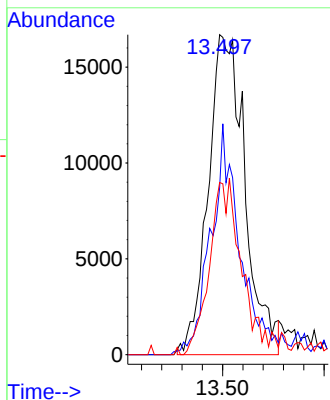
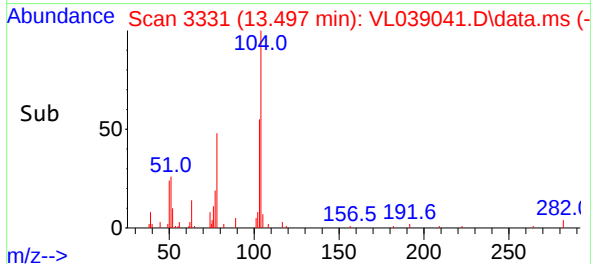
Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL



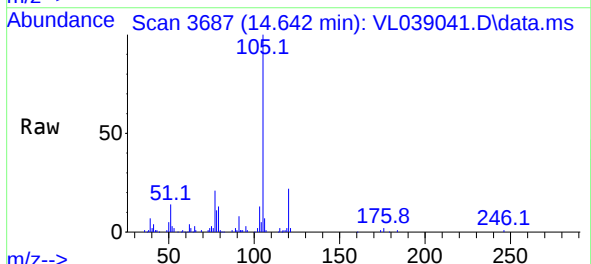
Tgt Ion:104 Resp: 41949  
Ion Ratio Lower Upper  
104 100  
78 61.6 46.4 69.6  
103 0.0 39.3 58.9

Manual Integrations  
APPROVED

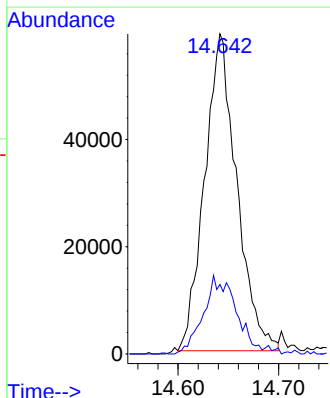
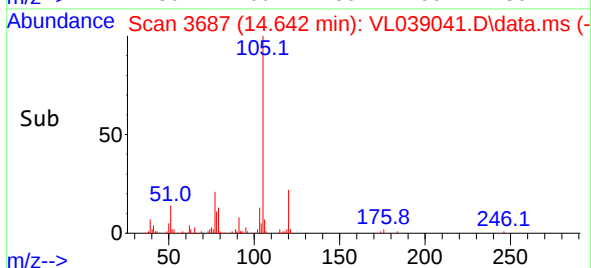
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022

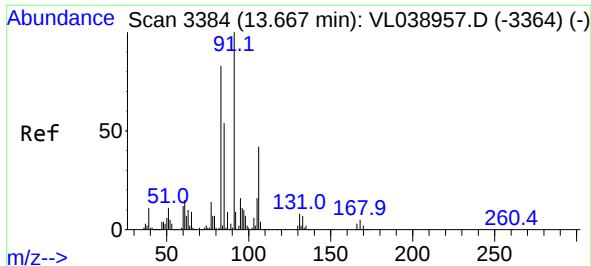


#62  
Isopropylbenzene  
Concen: 0.424 ppbv  
RT: 14.642 min Scan# 3687  
Delta R.T. -0.012 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35



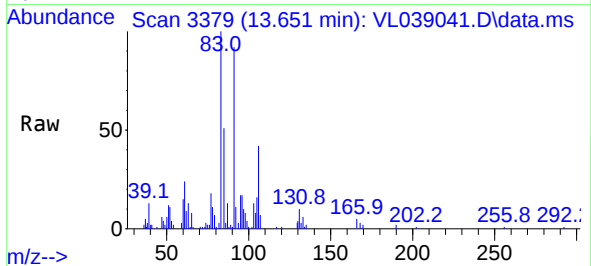
Tgt Ion:105 Resp: 131296  
Ion Ratio Lower Upper  
105 100  
120 26.4 20.5 30.7





#63  
1,1,2,2-Tetrachloroethane  
Concen: 0.456 ppbv m  
RT: 13.651 min Scan# 31  
Delta R.T. -0.016 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

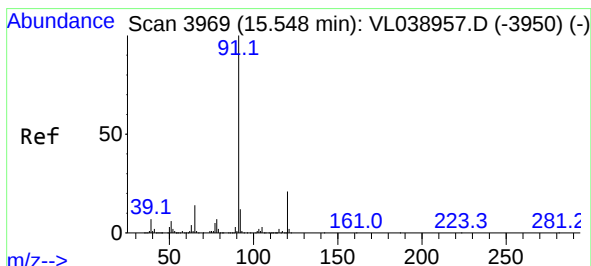
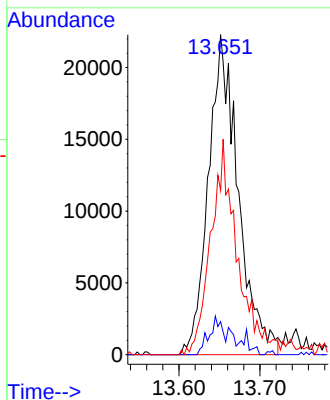
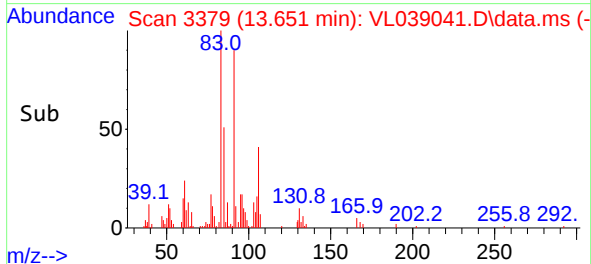
Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL



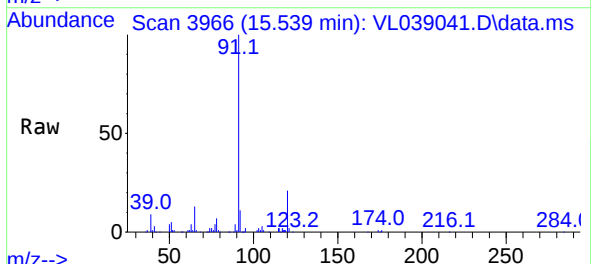
Tgt Ion: 83 Resp: 5687  
Ion Ratio Lower Upper  
83 100  
131 9.4 4.5 13.7  
85 62.4 32.8 98.3

Manual Integrations  
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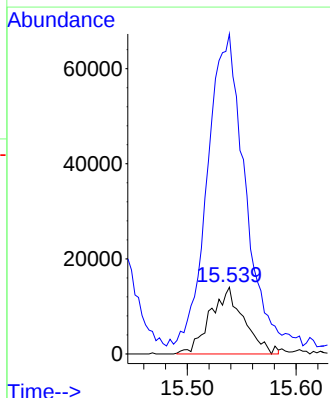
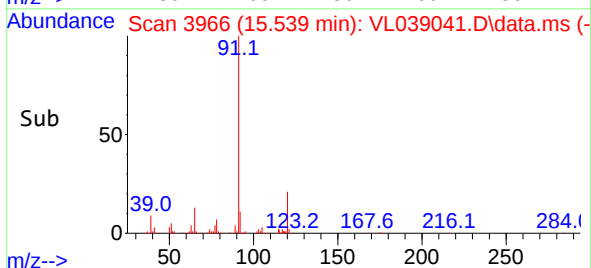
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022

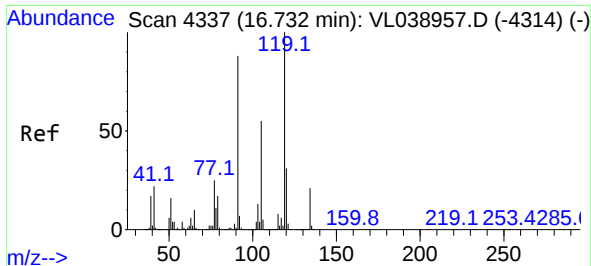


#64  
n-propylbenzene  
Concen: 0.402 ppbv m  
RT: 15.539 min Scan# 3966  
Delta R.T. -0.010 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35



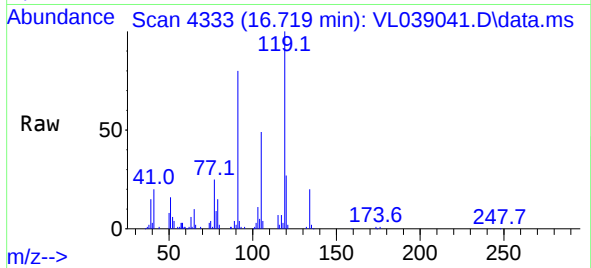
Tgt Ion:120 Resp: 30106  
Ion Ratio Lower Upper  
120 100  
91 0.0 400.6 601.0#





#65  
tert-Butylbenzene  
Concen: 0.437 ppbv m  
RT: 16.719 min Scan# 411  
Delta R.T. -0.013 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

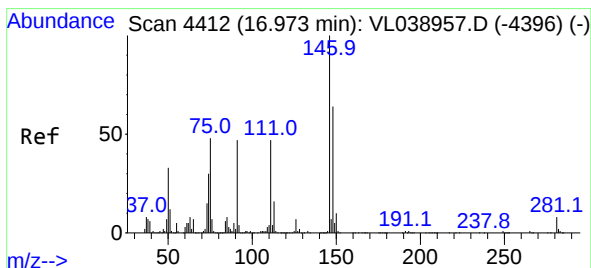
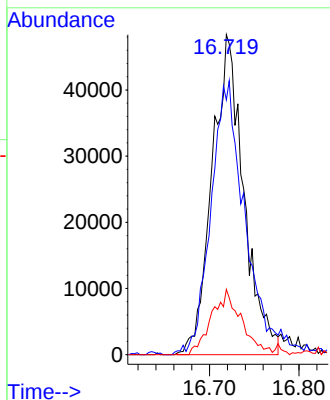
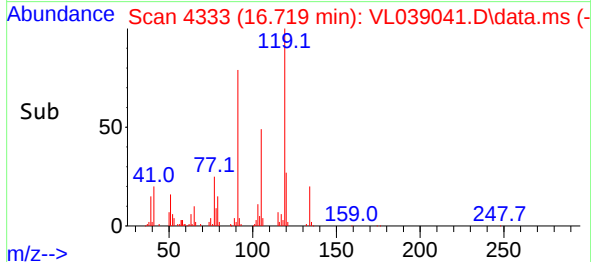
Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL



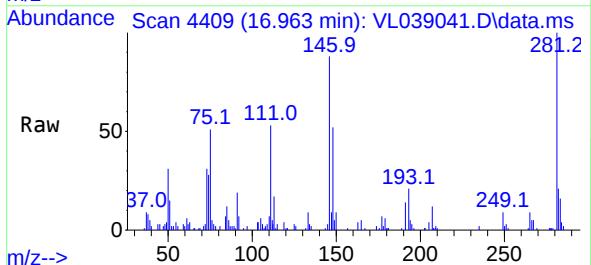
Tgt Ion: 119 Resp: 118720  
Ion Ratio Lower Upper  
119 100  
91 0.0 69.4 104.2#  
134 0.0 15.8 23.8#

Manual Integrations  
APPROVED

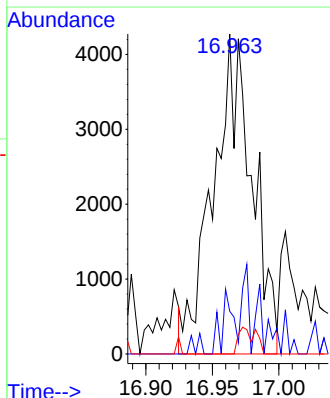
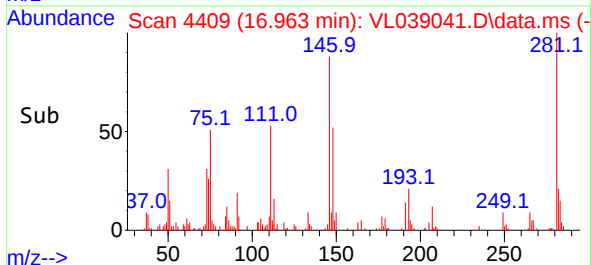
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022

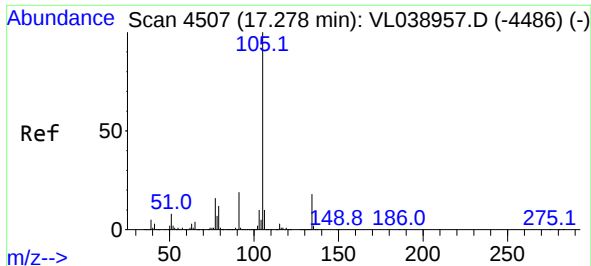


#66  
Benzyl Chloride  
Concen: 0.243 ppbv m  
RT: 16.963 min Scan# 4409  
Delta R.T. -0.010 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35



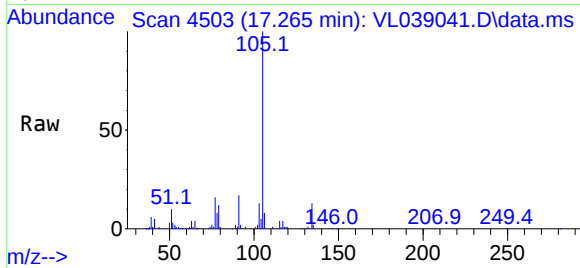
Tgt Ion: 91 Resp: 8638  
Ion Ratio Lower Upper  
91 100  
126 0.0 11.8 17.6#  
128 0.0 4.2 6.2#





#67  
 sec-Butylbenzene  
 Concen: 0.434 ppbv m  
 RT: 17.265 min Scan# 41  
 Delta R.T. -0.013 min  
 Lab File: VL039041.D  
 Acq: 13 May 2022 17:35

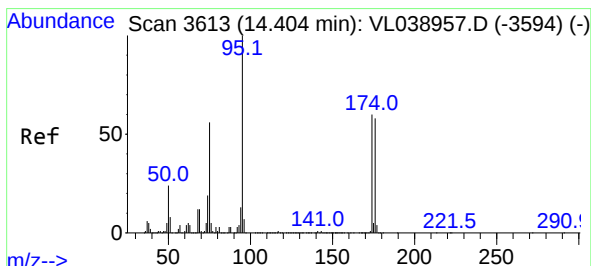
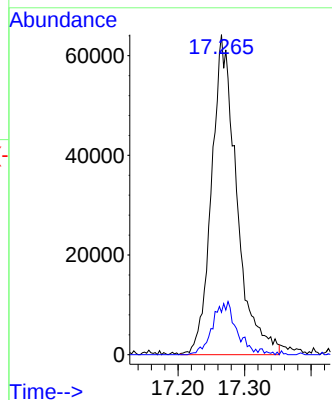
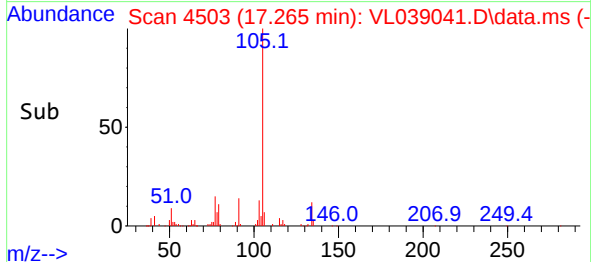
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 0.4 MDL



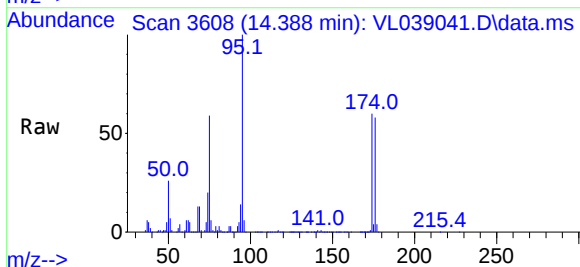
Tgt Ion:105 Resp: 16837  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 14.2 21.4

Manual Integrations  
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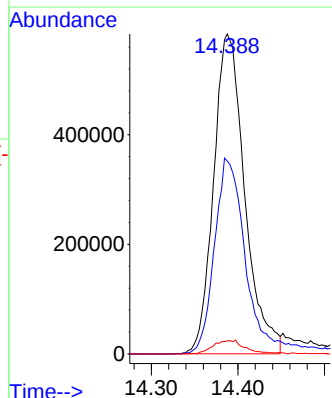
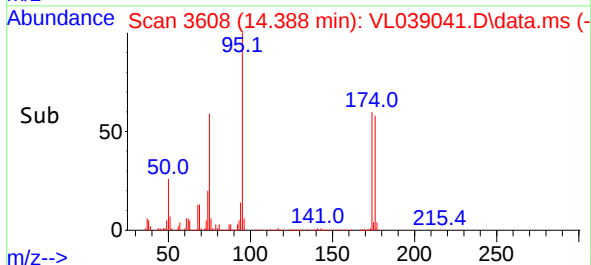
Reviewed By :Semsettin Yesilyurt 05/16/2022  
 Supervised By :Mahesh Dadoda 05/17/2022

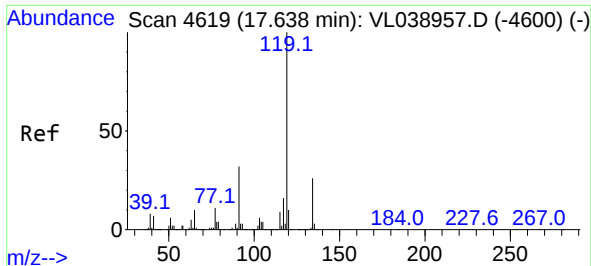


#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.021 ppbv  
 RT: 14.388 min Scan# 3608  
 Delta R.T. -0.016 min  
 Lab File: VL039041.D  
 Acq: 13 May 2022 17:35



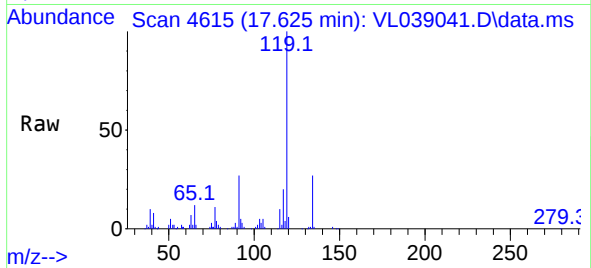
Tgt Ion: 95 Resp: 1454181  
 Ion Ratio Lower Upper  
 95 100  
 174 64.9 50.8 76.2  
 175 4.6 3.8 5.6





#69  
p-Isopropyltoluene  
Concen: 0.396 ppbv  
RT: 17.625 min Scan# 4615  
Delta R.T. -0.013 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

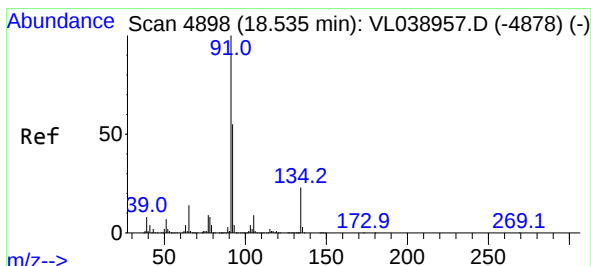
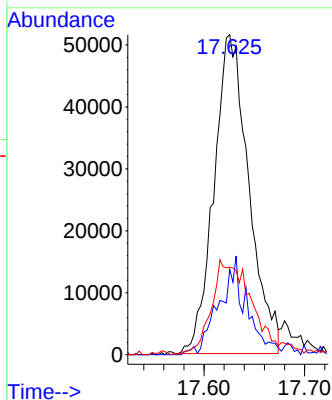
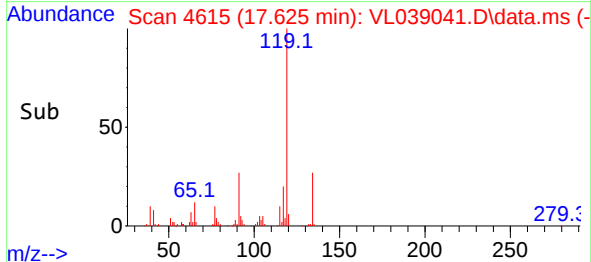
Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL



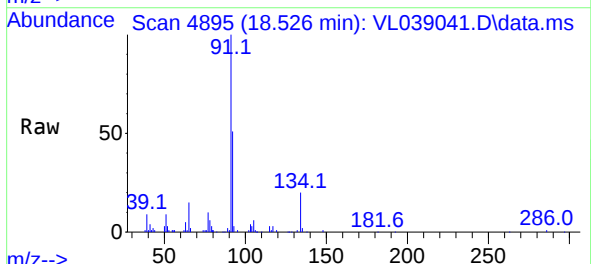
Tgt Ion: 119 Resp: 12421  
Ion Ratio Lower Upper  
119 100  
134 26.1 20.0 30.0  
91 36.0 24.8 37.2

Manual Integrations  
APPROVED

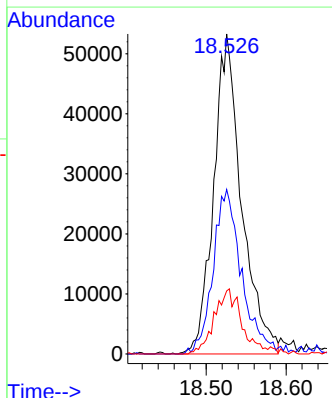
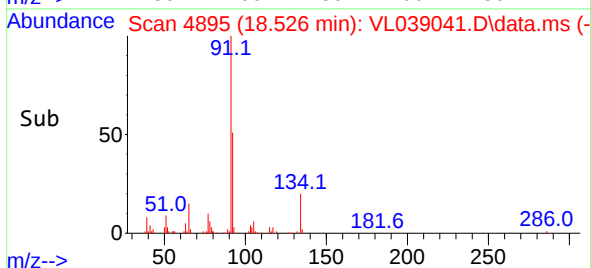
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022

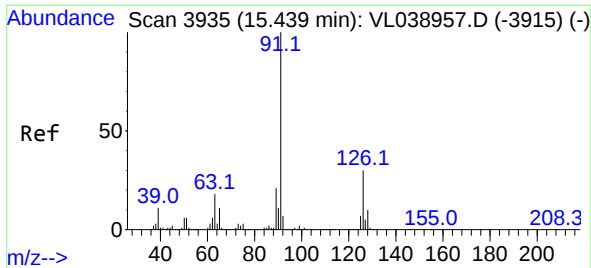


#70  
n-Butylbenzene  
Concen: 0.388 ppbv  
RT: 18.526 min Scan# 4895  
Delta R.T. -0.010 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35



Tgt Ion: 91 Resp: 129179  
Ion Ratio Lower Upper  
91 100  
92 53.0 43.1 64.7  
134 20.6 17.0 25.4





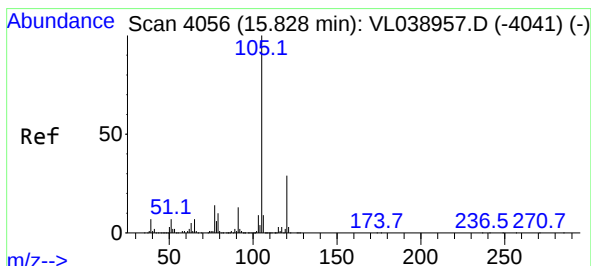
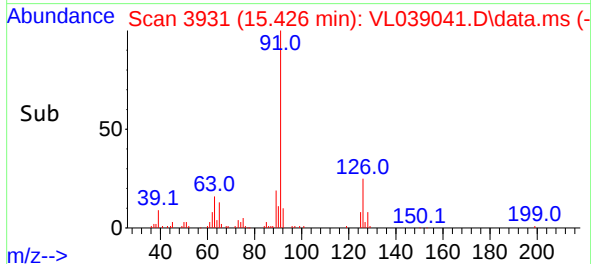
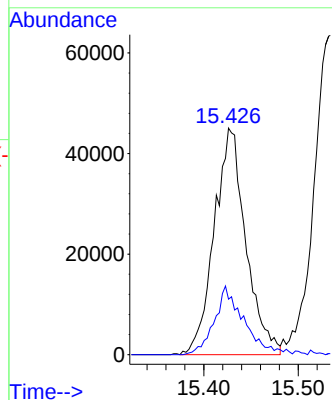
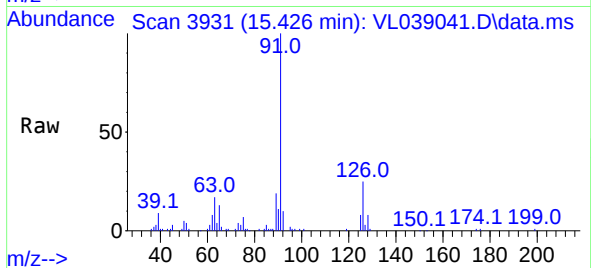
#71  
2-Chlorotoluene  
Concen: 0.439 ppbv  
RT: 15.426 min Scan# 3931  
Delta R.T. -0.013 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL

Tgt Ion: 91 Resp: 104764  
Ion Ratio Lower Upper  
91 100  
126 29.1 11.9 47.5

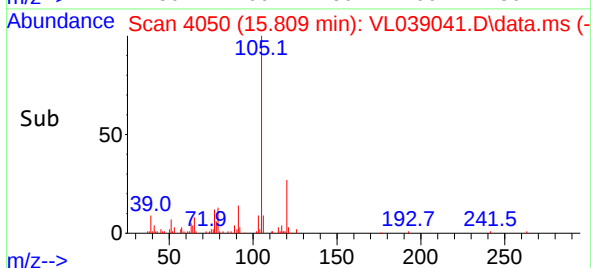
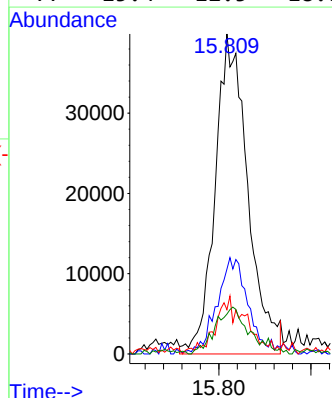
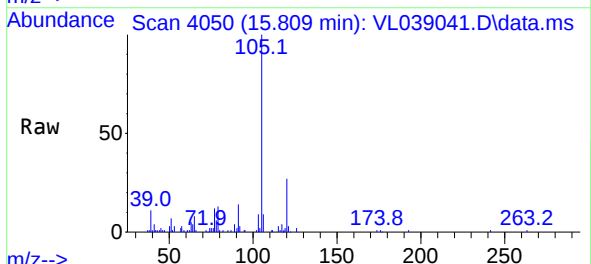
Manual Integrations  
APPROVED

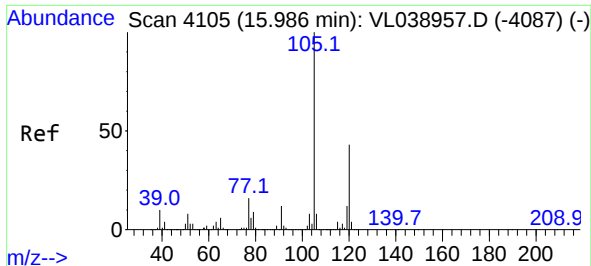
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022



#72  
4-Ethyltoluene  
Concen: 0.406 ppbv m  
RT: 15.809 min Scan# 4050  
Delta R.T. -0.019 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

Tgt Ion:105 Resp: 98001  
Ion Ratio Lower Upper  
105 100  
120 29.8 23.4 35.0  
91 18.3 10.6 16.0#  
77 15.4 12.5 18.7





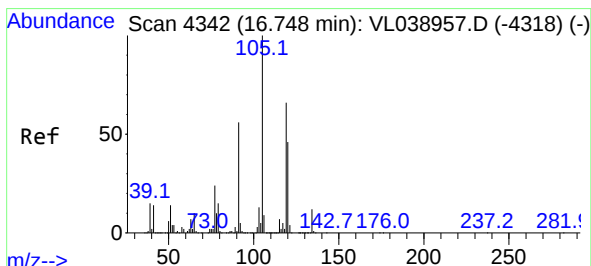
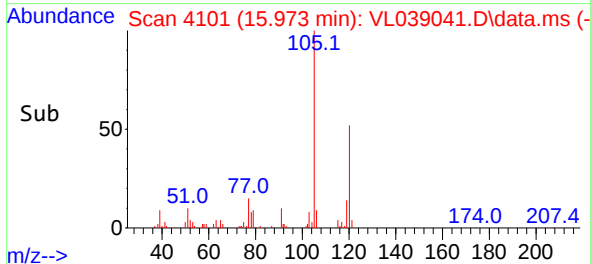
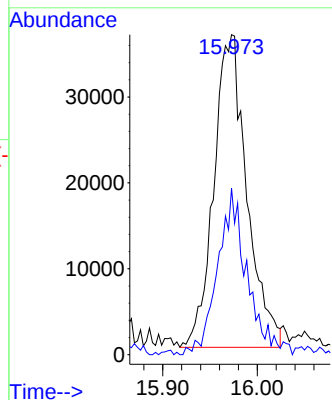
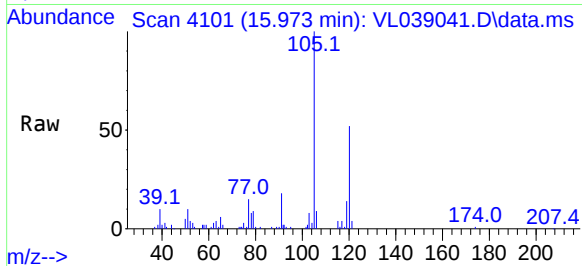
#73  
1,3,5-Trimethylbenzene  
Concen: 0.407 ppbv  
RT: 15.973 min Scan# 4105  
Delta R.T. -0.013 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL

Tgt Ion:105 Resp: 8844  
Ion Ratio Lower Upper  
105 100  
120 53.2 34.4 51.6

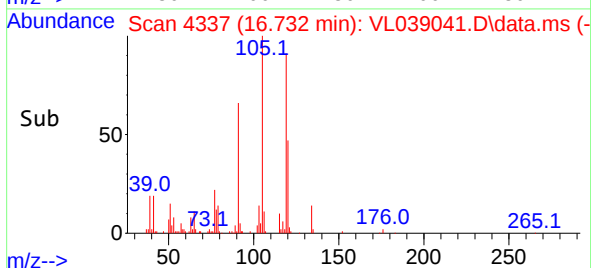
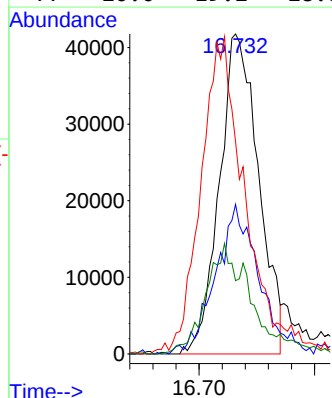
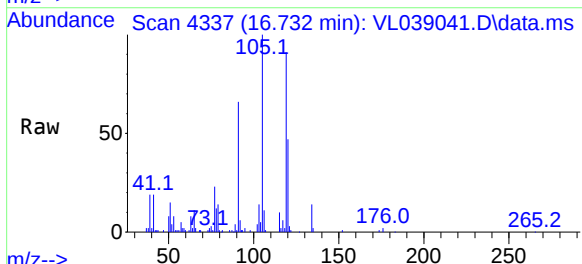
Manual Integrations  
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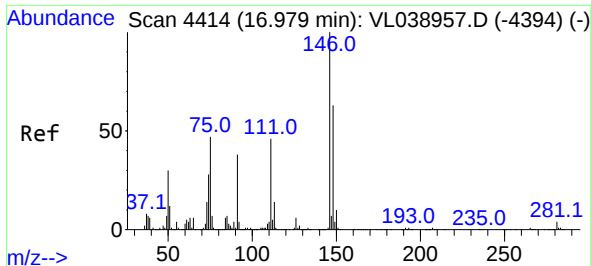
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022



#74  
1,2,4-Trimethylbenzene  
Concen: 0.413 ppbv  
RT: 16.732 min Scan# 4337  
Delta R.T. -0.016 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

Tgt Ion:105 Resp: 98318  
Ion Ratio Lower Upper  
105 100  
120 44.1 36.9 55.3  
91 59.3 45.0 67.4  
77 20.0 19.2 28.8





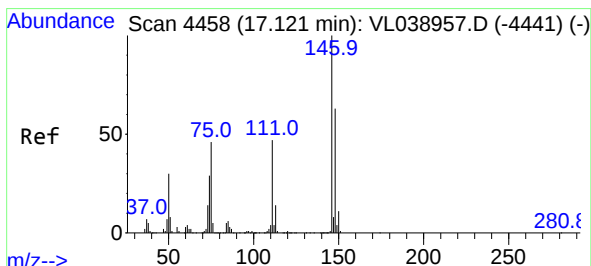
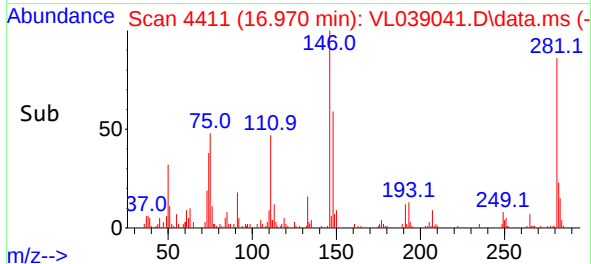
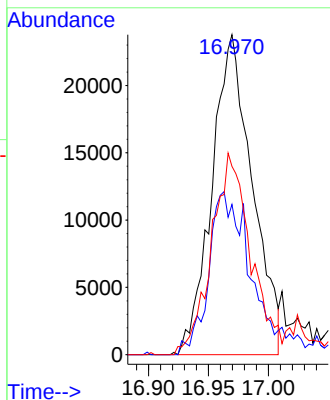
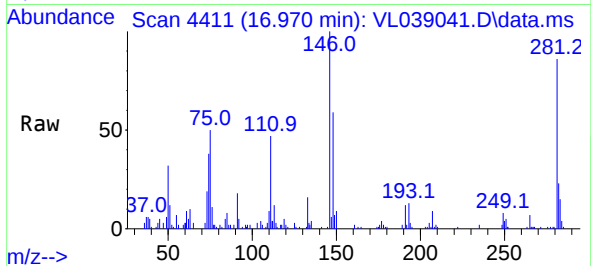
#75  
1,3-Dichlorobenzene  
Concen: 0.427 ppbv  
RT: 16.970 min Scan# 4411  
Delta R.T. -0.010 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 146   | Resp: | 5567 |
| Ion Ratio | Lower | Upper |      |
| 146       | 100   |       |      |
| 111       | 56.0  | 24.1  | 72.2 |
| 148       | 67.2  | 32.4  | 97.2 |

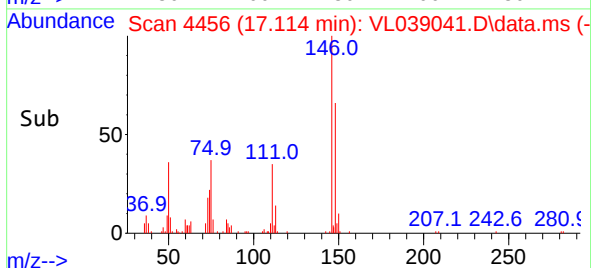
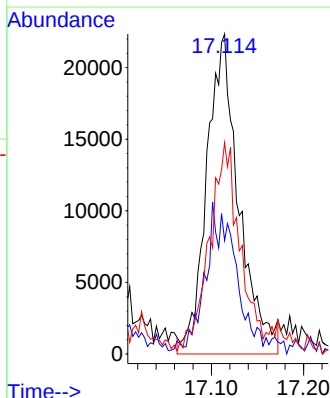
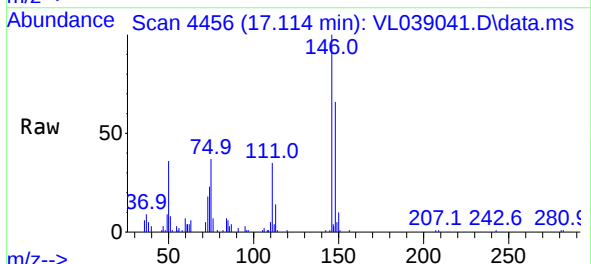
Manual Integrations  
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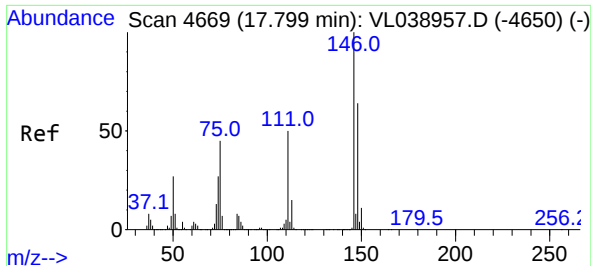
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022



#76  
1,4-Dichlorobenzene  
Concen: 0.423 ppbv m  
RT: 17.114 min Scan# 4456  
Delta R.T. -0.006 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

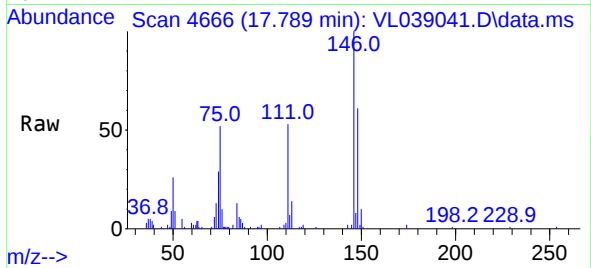
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 54286 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 48.4  | 23.6  | 71.0  |
| 148       | 69.1  | 32.2  | 96.6  |





#77  
1,2-Dichlorobenzene  
Concen: 0.434 ppbv m  
RT: 17.789 min Scan# 4669  
Delta R.T. -0.010 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

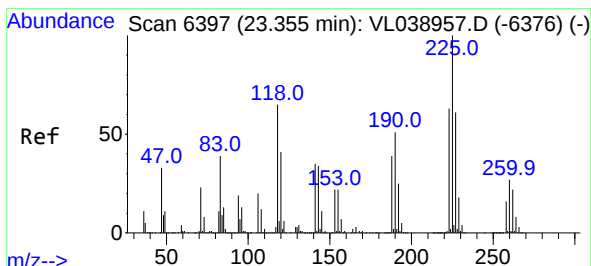
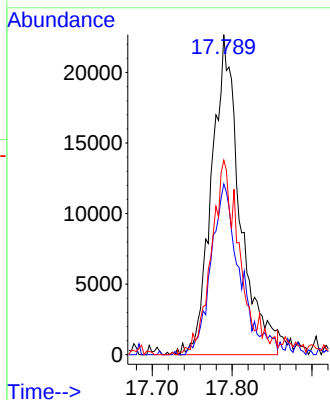
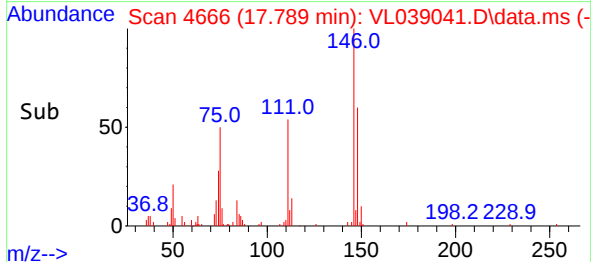
Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL



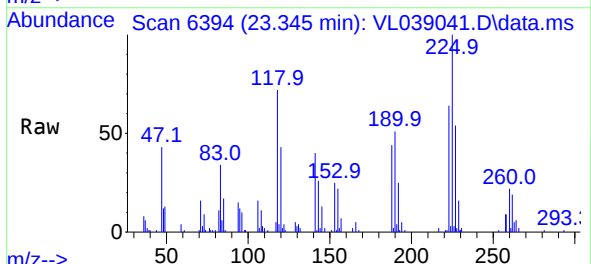
Tgt Ion:146 Resp: 5595  
Ion Ratio Lower Upper  
146 100  
111 56.5 25.3 75.9  
148 64.1 32.3 96.9

Manual Integrations  
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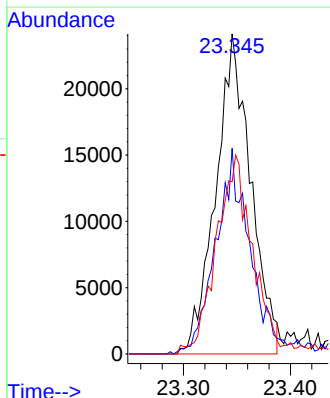
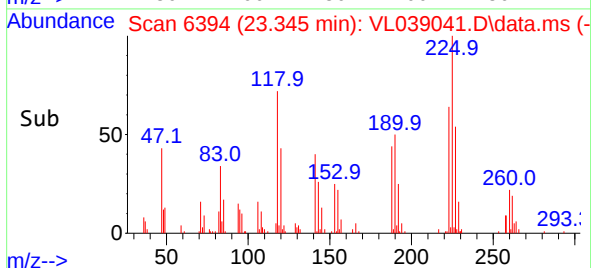
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022

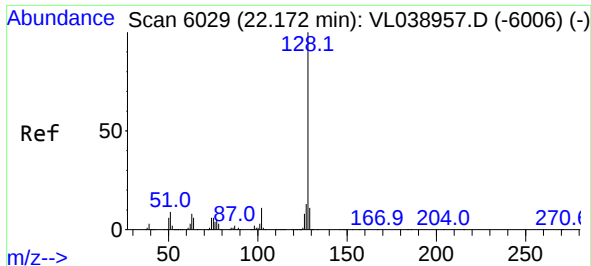


#78  
Hexachloro-1,3-Butadiene  
Concen: 0.462 ppbv m  
RT: 23.345 min Scan# 6394  
Delta R.T. -0.010 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35



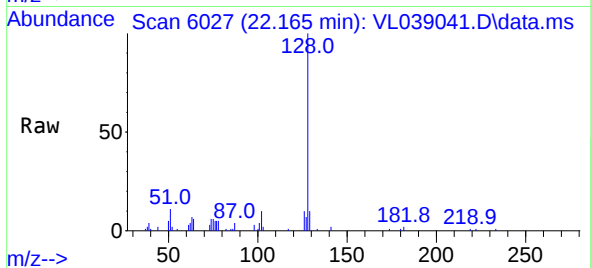
Tgt Ion:225 Resp: 54786  
Ion Ratio Lower Upper  
225 100  
223 0.0 51.4 77.0#  
227 0.0 51.4 77.0#





#79  
Naphthalene  
Concen: 0.333 ppbv m  
RT: 22.165 min Scan# 6027  
Delta R.T. -0.006 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35

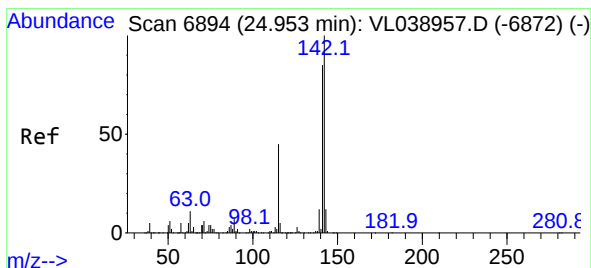
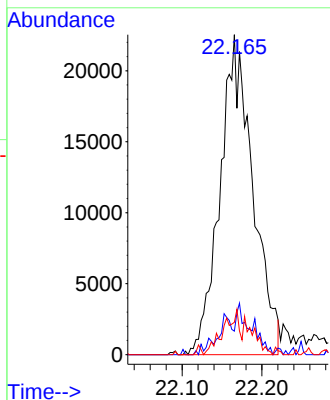
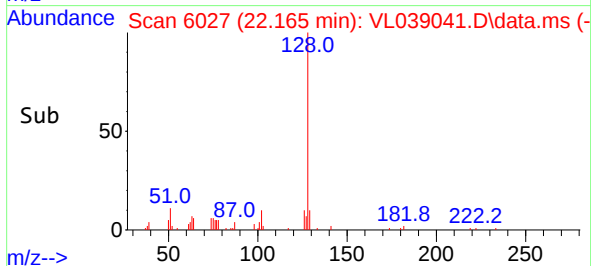
Instrument :  
MSVOA\_L  
ClientSampleId :  
0.4 MDL



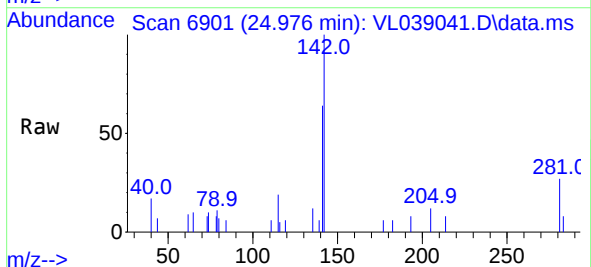
Tgt Ion:128 Resp: 6438  
Ion Ratio Lower Upper  
128 100  
127 7.4 10.2 15.2  
129 10.1 8.9 13.3

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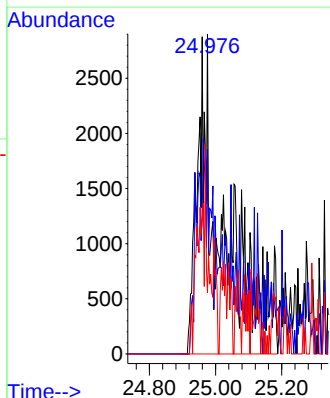
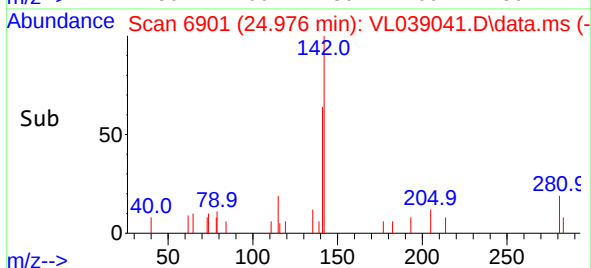
Reviewed By :Semsettin Yesilyurt 05/16/2022  
Supervised By :Mahesh Dadoda 05/17/2022

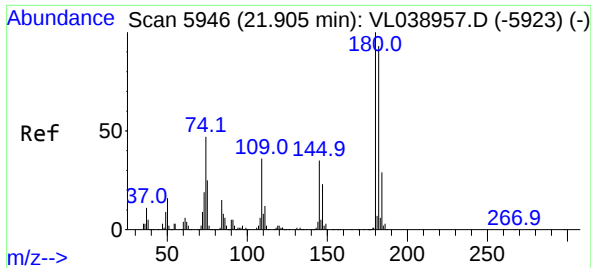


#80  
Naphthalene,2-methyl-  
Concen: 0.258 ppbv m  
RT: 24.976 min Scan# 6901  
Delta R.T. 0.023 min  
Lab File: VL039041.D  
Acq: 13 May 2022 17:35



Tgt Ion:142 Resp: 15067  
Ion Ratio Lower Upper  
142 100  
141 46.0 70.8 106.2#  
115 27.5 35.1 52.7#





#81  
 1,2,4-Trichlorobenzene  
 Concen: 0.372 ppbv m  
 RT: 21.892 min Scan# 5942  
 Delta R.T. -0.013 min  
 Lab File: VL039041.D  
 Acq: 13 May 2022 17:35

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 0.4 MDL

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:180 | Resp: | 4219  |
| Ion Ratio   | Lower | Upper |
| 180         | 100   |       |
| 182         | 0.0   | 78.4  |
| 184         | 0.0   | 24.4  |

Manual Integrations  
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Reviewed By :Semsettin Yesilyurt 05/16/2022  
 Supervised By :Mahesh Dadoda 05/17/2022

