

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL022222\  
 Data File : VL038376.D  
 Acq On : 22 Feb 2022 4:51  
 Operator : SY/AP  
 Sample : VSTDICC002  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC002

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/23/2022  
 Supervised By : Amit Patel 02/23/2022

Quant Time: Feb 22 07:56:37 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue Feb 22 07:53:26 2022

QLast Update : Tue Feb 22 07:53:26 2022

Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.645  | 49   | 982680   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.150  | 114  | 2427797  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.053 | 117  | 2315713  | 10.000 | ppbv  | # 0.00   |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.381 95 1851162 10.453 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.500%

Target Compounds

|                               |       |     |         |       |        | Qvalue |
|-------------------------------|-------|-----|---------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 3.041 | 85  | 264775  | 1.346 | ppbv   | 94     |
| 3) Chlorodifluoromethane      | 2.983 | 51  | 360004  | 1.891 | ppbv   | 99     |
| 4) Chloromethane              | 3.134 | 50  | 125686  | 1.917 | ppbv   | 92     |
| 5) Vinyl Chloride             | 3.246 | 62  | 122786  | 1.852 | ppbv   | 97     |
| 6) Bromomethane               | 3.465 | 94  | 68170m  | 1.939 | ppbv   |        |
| 7) Chloroethane               | 3.542 | 64  | 39258   | 1.781 | ppbv   | 95     |
| 8) Dichlorotetrafluoroethane  | 3.179 | 85  | 293529  | 1.856 | ppbv   | 98     |
| 9) Propene                    | 3.002 | 41  | 122238  | 1.978 | ppbv   | 97     |
| 10) Heptane                   | 8.095 | 43  | 300602  | 1.887 | ppbv   | 100    |
| 11) Trichlorofluoromethane    | 3.938 | 101 | 308712m | 1.944 | ppbv   |        |
| 12) 1,1,2-Trichlorotrifluo... | 4.468 | 101 | 226836  | 1.890 | ppbv   | 99     |
| 13) Ethanol                   | 3.610 | 45  | 12670   | 1.992 | ppbv   | 99     |
| 14) Bromoethene               | 3.729 | 108 | 90110   | 1.919 | ppbv   | 100    |
| 15) Acetone                   | 3.841 | 43  | 179378  | 2.099 | ppbv   | 97     |
| 16) 1,3-Butadiene             | 3.314 | 39  | 112682  | 1.849 | ppbv   | 94     |
| 17) tert-Butyl alcohol        | 4.279 | 59  | 169450  | 1.842 | ppbv   | 98     |
| 18) 1,1-Dichloroethene        | 4.272 | 96  | 100100m | 1.928 | ppbv   |        |
| 19) Isopropyl Alcohol         | 3.963 | 45  | 91097   | 1.727 | ppbv # | 94     |
| 20) Methylene Chloride        | 4.333 | 84  | 82796m  | 1.693 | ppbv   |        |
| 21) Allyl Chloride            | 4.398 | 41  | 146860m | 1.977 | ppbv   |        |
| 22) trans-1,2-Dichloroethene  | 4.867 | 96  | 99821   | 1.853 | ppbv   | 97     |
| 23) Vinyl Acetate             | 5.053 | 43  | 238518m | 1.952 | ppbv   |        |
| 24) 1,1-Dichloroethane        | 4.992 | 63  | 205504  | 1.886 | ppbv   | 99     |
| 25) Ethyl Acetate             | 5.658 | 43  | 470840  | 1.963 | ppbv   | 98     |
| 26) Hexane                    | 5.668 | 57  | 211200  | 1.903 | ppbv   | 98     |
| 27) Carbon Disulfide          | 4.533 | 76  | 230259  | 1.811 | ppbv   | 97     |
| 28) Methyl tert-Butyl Ether   | 5.018 | 73  | 216036  | 1.900 | ppbv   | 99     |
| 29) Chloroform                | 5.729 | 83  | 344960  | 1.908 | ppbv   | 98     |
| 30) Cyclohexane               | 7.108 | 84  | 176398  | 1.861 | ppbv   | 86     |
| 31) cis-1,2-Dichloroethene    | 5.526 | 61  | 201262  | 1.987 | ppbv   | 98     |
| 32) 1,1,1-Trichloroethane     | 6.491 | 97  | 342010  | 1.895 | ppbv   | 99     |
| 34) 2-Butanone                | 5.227 | 43  | 159835  | 1.994 | ppbv   | 97     |
| 35) Carbon Tetrachloride      | 6.992 | 117 | 350123  | 2.049 | ppbv   | 100    |
| 36) Benzene                   | 6.867 | 78  | 452410  | 2.097 | ppbv   | 97     |
| 37) 1,2-Dichloroethane        | 6.285 | 62  | 256762  | 2.077 | ppbv   | 99     |
| 38) Trichloroethene           | 7.806 | 130 | 161737  | 2.018 | ppbv   | 88     |
| 39) 1,2-Dichloropropane       | 7.590 | 63  | 179574m | 2.064 | ppbv   |        |
| 40) 1,4-Dioxane               | 7.832 | 88  | 37438   | 1.768 | ppbv   | 60     |
| 41) Tetrahydrofuran           | 6.037 | 42  | 109096m | 2.030 | ppbv   |        |
| 42) Bromodichloromethane      | 7.764 | 83  | 374002  | 2.039 | ppbv   | 96     |
| 43) Methyl Methacrylate       | 7.995 | 69  | 157982  | 2.075 | ppbv   | 98     |
| 44) 2,2,4-Trimethylpentane    | 7.844 | 57  | 790307  | 2.082 | ppbv   | 100    |
| 45) t-1,3-Dichloropropene     | 9.249 | 75  | 122338m | 1.990 | ppbv   |        |

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 Operator : SY/AP  
 Sample : VSTDIC002  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC002

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/23/2022  
 Supervised By : Amit Patel 02/23/2022

Quant Time: Feb 22 07:56:37 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Tue Feb 22 07:56:37 2022

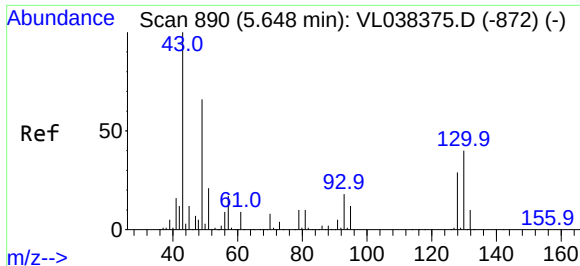
QLast Update : Tue Feb 22 07:53:26 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.677  | 75   | 161859   | 1.968 | ppbv   | 96       |
| 47) 1,1,2-Trichloroethane     | 9.446  | 97   | 176948m  | 2.052 | ppbv   |          |
| 48) Dibromochloromethane      | 10.275 | 129  | 287057   | 1.980 | ppbv   | 99       |
| 49) Bromoform                 | 13.008 | 173  | 211394   | 1.994 | ppbv   | 98       |
| 50) 4-Methyl-2-Pentanone      | 8.729  | 43   | 281368   | 1.973 | ppbv   | 98       |
| 51) 2-Hexanone                | 10.118 | 43   | 120394m  | 1.911 | ppbv   |          |
| 52) Tetrachloroethene         | 11.191 | 164  | 142906   | 1.926 | ppbv   | 96       |
| 53) Toluene                   | 9.780  | 91   | 496341   | 2.085 | ppbv   | 98       |
| 54) 1,2-Dibromoethane         | 10.577 | 107  | 248381   | 2.029 | ppbv   | 100      |
| 56) 1,1,1,2-Tetrachloroethane | 12.095 | 131  | 196967   | 1.945 | ppbv # | 1        |
| 57) Chlorobenzene             | 12.111 | 112  | 364547m  | 1.975 | ppbv   |          |
| 58) Ethyl Benzene             | 12.677 | 91   | 661922   | 1.952 | ppbv   | 98       |
| 59) m/p-Xylene                | 12.966 | 91   | 1154557m | 3.979 | ppbv   |          |
| 60) o-Xylene                  | 13.661 | 91   | 532766   | 1.970 | ppbv   | 100      |
| 61) Styrene                   | 13.497 | 104  | 235805   | 1.872 | ppbv   | 98       |
| 62) Isopropylbenzene          | 14.635 | 105  | 716465   | 1.984 | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.642 | 83   | 397221   | 1.964 | ppbv   | 97       |
| 64) n-propylbenzene           | 15.529 | 120  | 172438   | 1.968 | ppbv   | 79       |
| 65) tert-Butylbenzene         | 16.712 | 119  | 635845   | 2.109 | ppbv   | 97       |
| 66) Benzyl Chloride           | 16.953 | 91   | 30102m   | 2.127 | ppbv   |          |
| 67) sec-Butylbenzene          | 17.262 | 105  | 906656   | 2.155 | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 17.619 | 119  | 711593   | 2.187 | ppbv   | 98       |
| 70) n-Butylbenzene            | 18.519 | 91   | 719887   | 2.228 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 15.420 | 91   | 547904   | 2.026 | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 15.809 | 105  | 587299   | 2.045 | ppbv   | 98       |
| 73) 1,3,5-Trimethylbenzene    | 15.969 | 105  | 541853   | 2.091 | ppbv   | 92       |
| 74) 1,2,4-Trimethylbenzene    | 16.728 | 105  | 575423   | 2.100 | ppbv   | 95       |
| 75) 1,3-Dichlorobenzene       | 16.963 | 146  | 312795   | 2.108 | ppbv   | 98       |
| 76) 1,4-Dichlorobenzene       | 17.108 | 146  | 307758m  | 2.147 | ppbv   |          |
| 77) 1,2-Dichlorobenzene       | 17.789 | 146  | 298799   | 2.151 | ppbv   | 98       |
| 78) Hexachloro-1,3-Butadiene  | 23.345 | 225  | 238008   | 2.453 | ppbv   | 99       |
| 79) Naphthalene               | 22.165 | 128  | 284493   | 2.149 | ppbv   | 96       |
| 80) Naphthalene,2-methyl-     | 24.947 | 142  | 45619    | 2.700 | ppbv   | 93       |
| 81) 1,2,4-Trichlorobenzene    | 21.892 | 180  | 177079   | 2.259 | ppbv   | 97       |

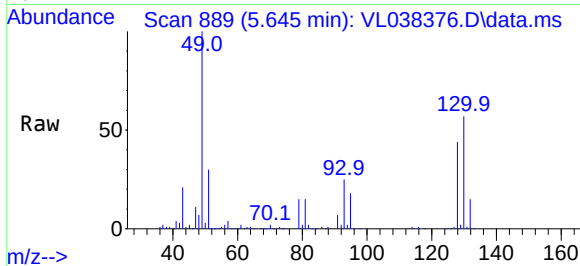
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.645 min Scan# 890  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

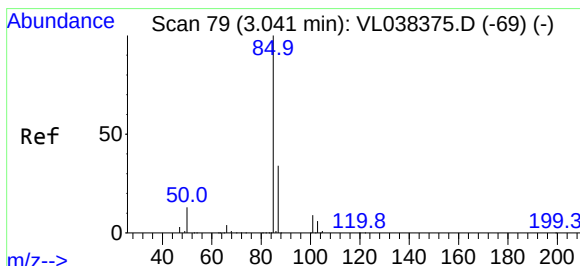
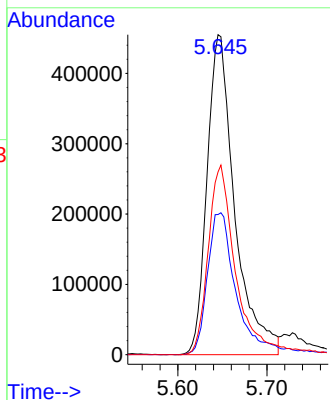
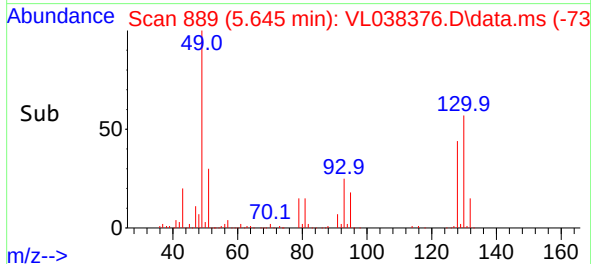
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002



Tgt Ion: 49 Resp: 982680  
Ion Ratio Lower Upper  
49 100  
128 48.1 24.3 72.9  
130 60.9 30.1 90.5

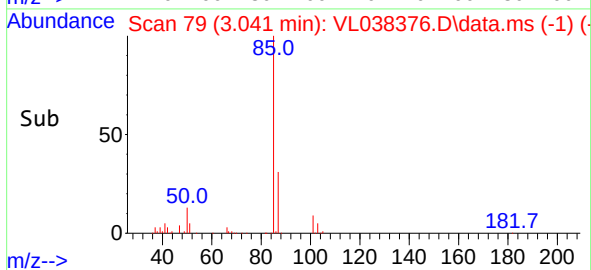
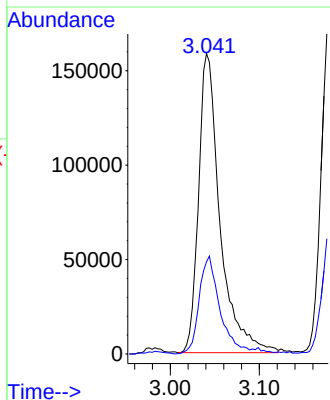
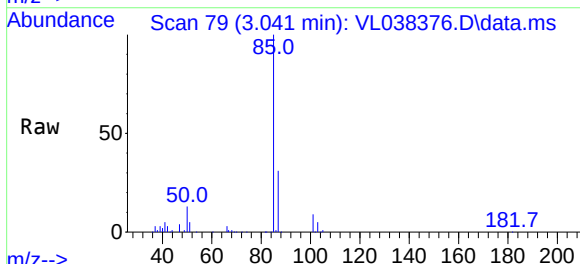
Manual Integrations  
APPROVED

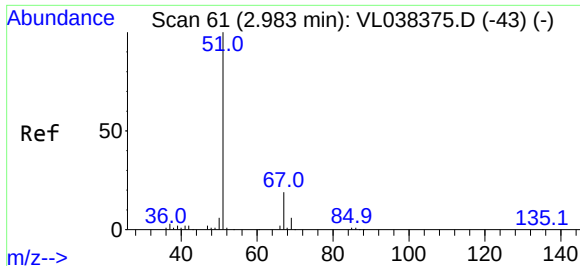
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#2  
Dichlorodifluoromethane  
Concen: 1.346 ppbv  
RT: 3.041 min Scan# 79  
Delta R.T. -0.000 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

Tgt Ion: 85 Resp: 264775  
Ion Ratio Lower Upper  
85 100  
87 30.7 27.4 41.0





#3  
Chlorodifluoromethane  
Concen: 1.891 ppbv  
RT: 2.983 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

Instrument :

MSVOA\_L

ClientSampleId :

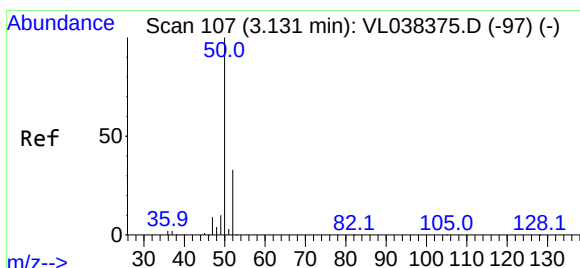
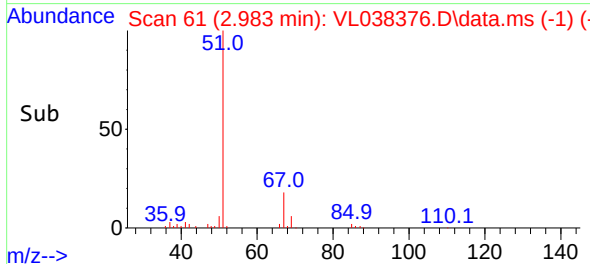
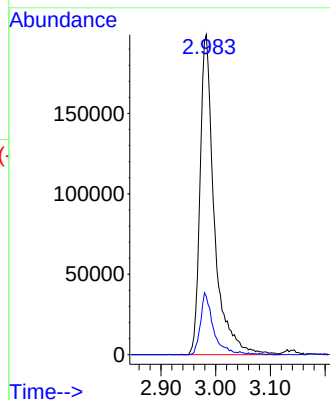
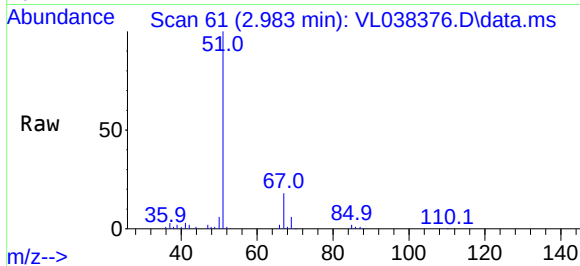
VSTDICC002

Tgt Ion: 51 Resp: 360004  
Ion Ratio Lower Upper  
51 100  
67 17.9 14.7 22.1

Manual Integrations

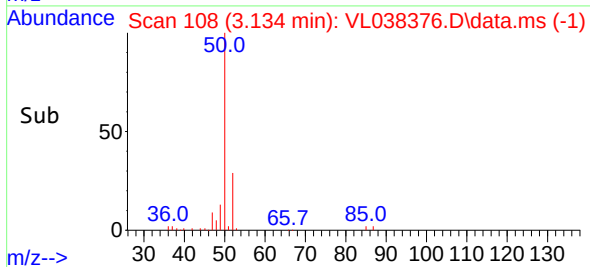
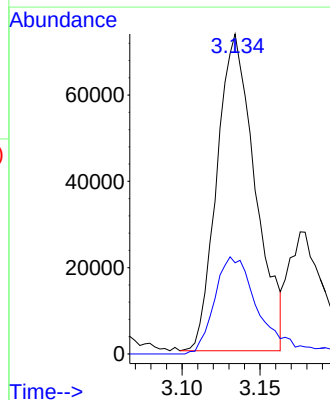
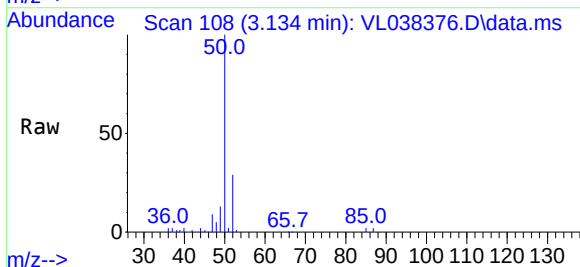
APPROVED

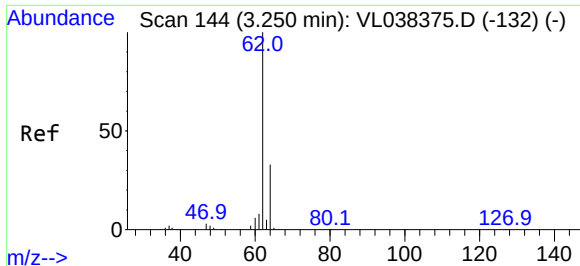
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#4  
Chloromethane  
Concen: 1.917 ppbv  
RT: 3.134 min Scan# 108  
Delta R.T. 0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

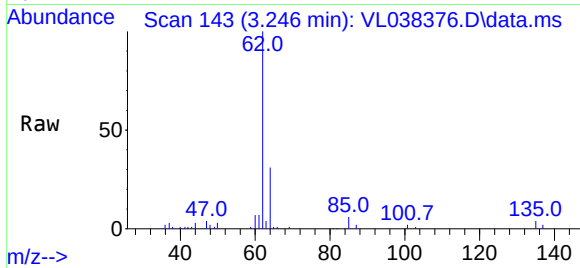
Tgt Ion: 50 Resp: 125686  
Ion Ratio Lower Upper  
50 100  
52 28.8 26.5 39.7





#5  
 Vinyl Chloride  
 Concen: 1.852 ppbv  
 RT: 3.246 min Scan# 144  
 Delta R.T. -0.003 min  
 Lab File: VL038376.D  
 Acq: 22 Feb 2022 4:51

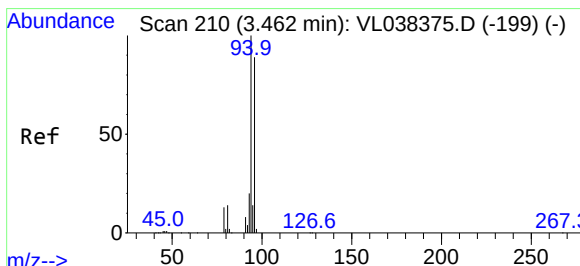
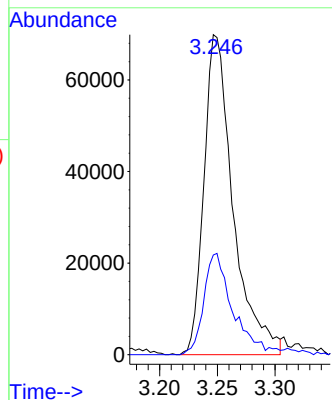
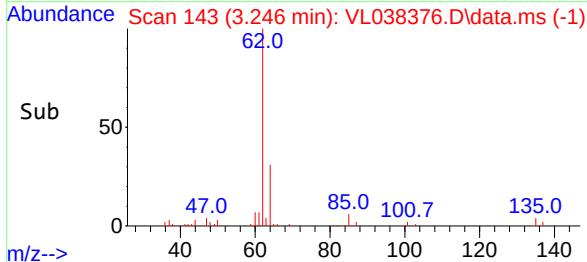
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC002



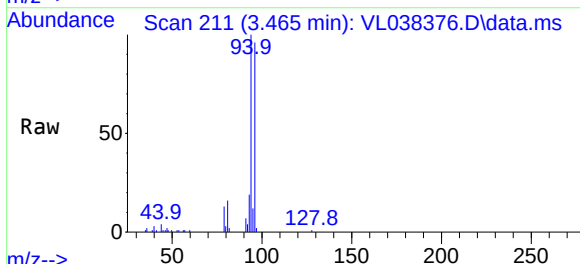
Tgt Ion: 62 Resp: 122780  
 Ion Ratio Lower Upper  
 62 100  
 64 31.2 26.2 39.2

Manual Integrations  
 APPROVED

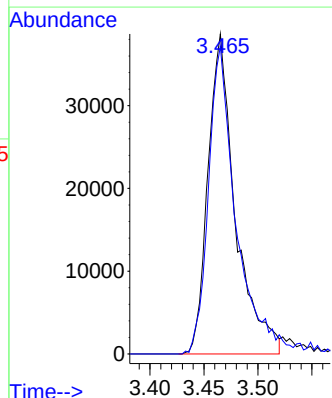
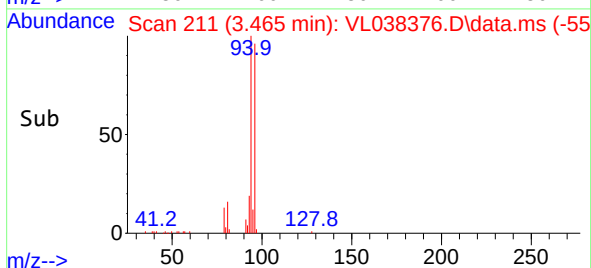
Reviewed By :Semsettin Yesilyurt 02/23/2022  
 Supervised By :Amit Patel 02/23/2022

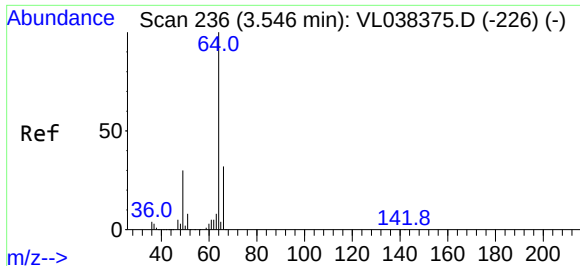


#6  
 Bromomethane  
 Concen: 1.939 ppbv m  
 RT: 3.465 min Scan# 211  
 Delta R.T. 0.003 min  
 Lab File: VL038376.D  
 Acq: 22 Feb 2022 4:51



Tgt Ion: 94 Resp: 68170  
 Ion Ratio Lower Upper  
 94 100  
 96 96.1 71.0 106.6





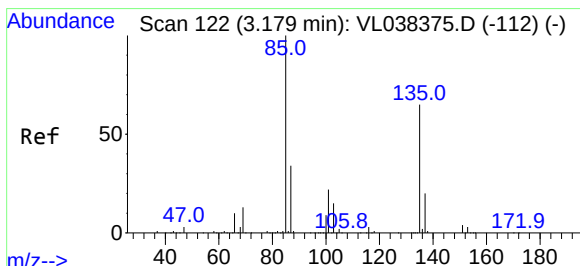
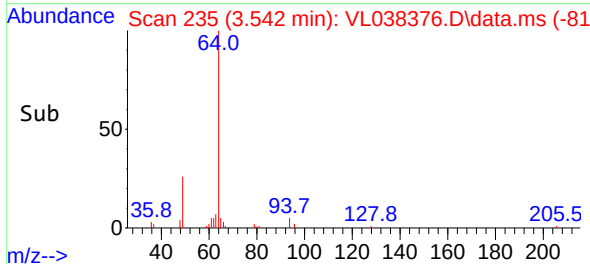
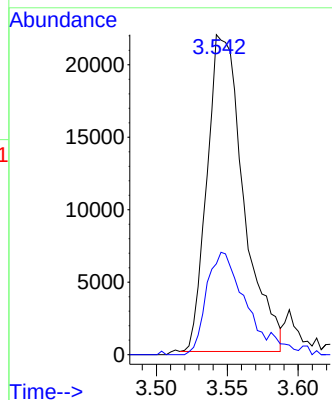
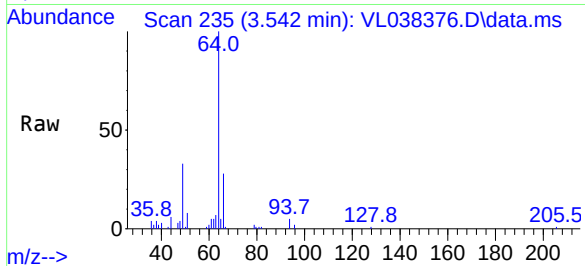
#7  
Chloroethane  
Concen: 1.781 ppbv  
RT: 3.542 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

Tgt Ion: 64 Resp: 39258  
Ion Ratio Lower Upper  
64 100  
66 29.5 25.9 38.9

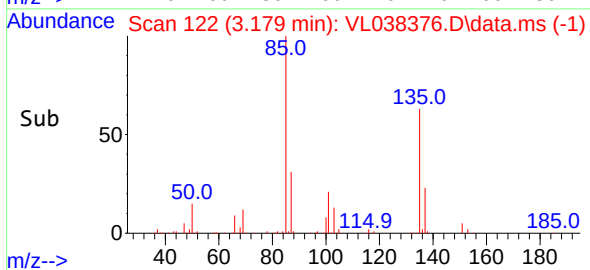
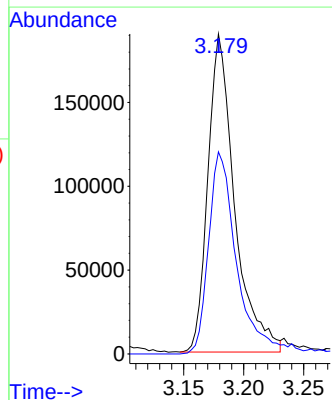
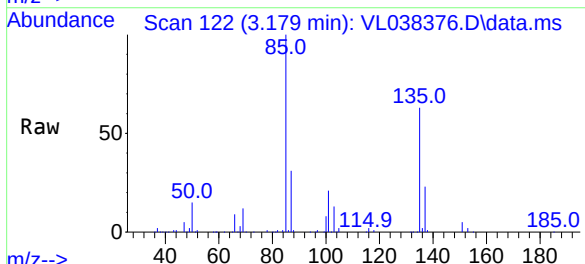
Manual Integrations  
APPROVED

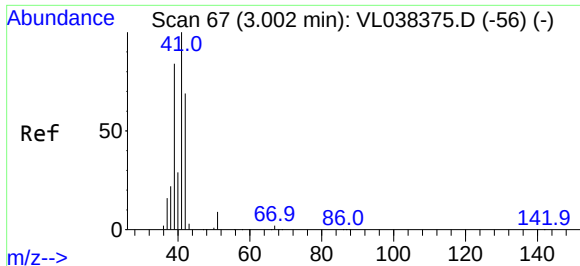
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#8  
Dichlorotetrafluoroethane  
Concen: 1.856 ppbv  
RT: 3.179 min Scan# 122  
Delta R.T. -0.000 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

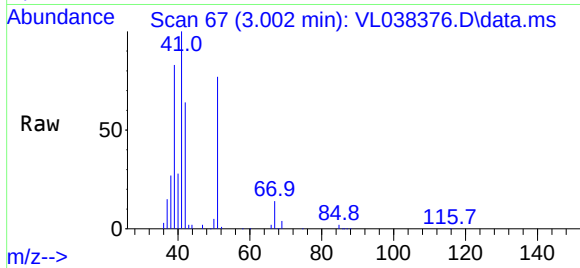
Tgt Ion: 85 Resp: 293529  
Ion Ratio Lower Upper  
85 100  
135 69.0 54.1 81.1





#9  
Propene  
Concen: 1.978 ppbv  
RT: 3.002 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

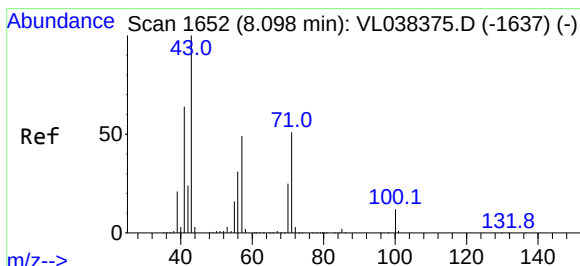
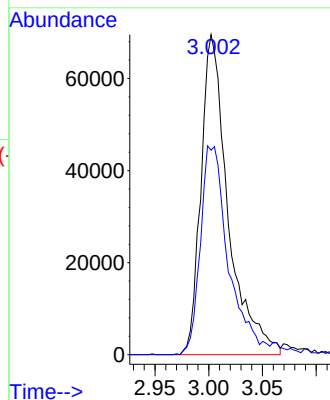
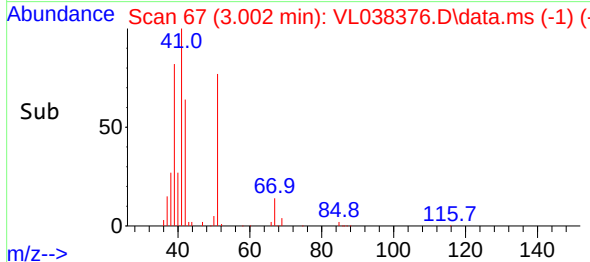
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002



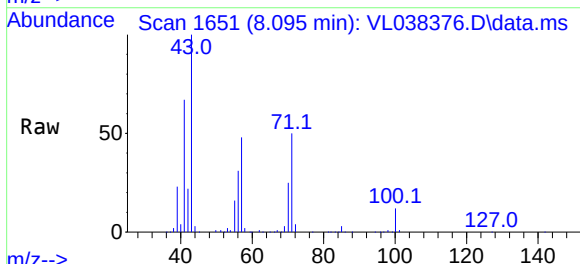
Tgt Ion: 41 Resp: 122238  
Ion Ratio Lower Upper  
41 100  
42 70.4 54.6 82.0

Manual Integrations  
APPROVED

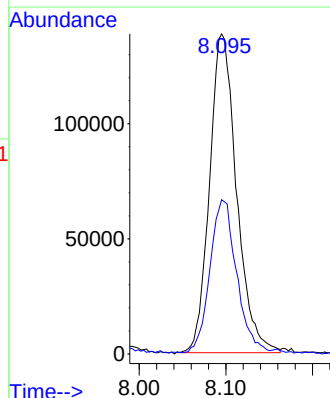
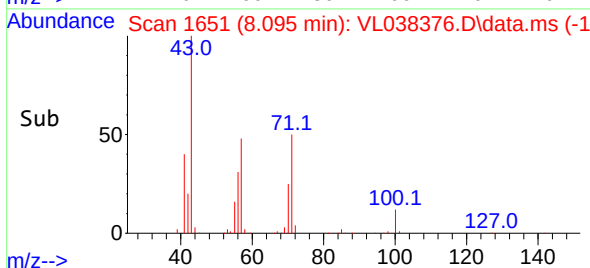
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



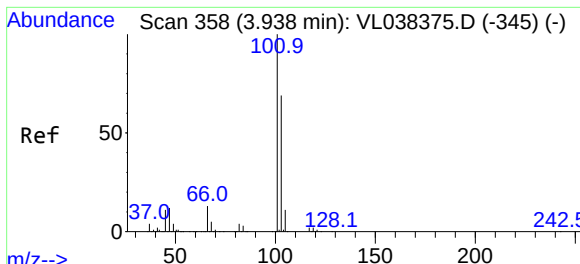
#10  
Heptane  
Concen: 1.887 ppbv  
RT: 8.095 min Scan# 1651  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51



Tgt Ion: 43 Resp: 300602  
Ion Ratio Lower Upper  
43 100  
57 49.7 39.8 59.8

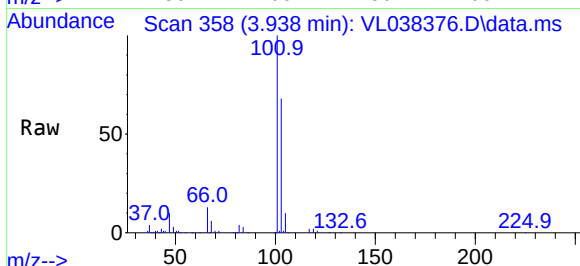






#11  
Trichlorofluoromethane  
Concen: 1.944 ppbv m  
RT: 3.938 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

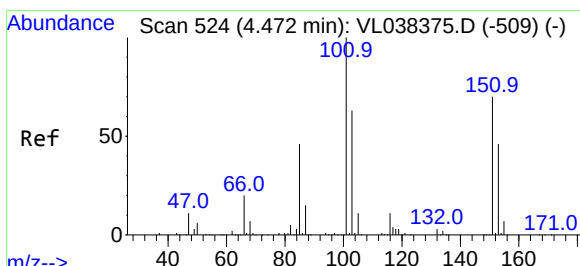
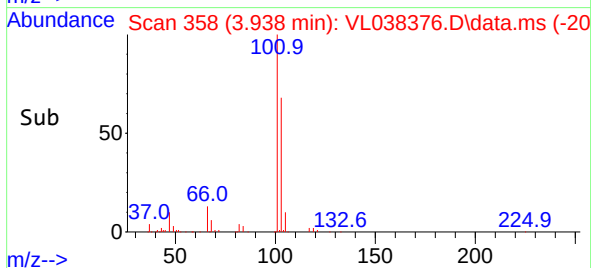
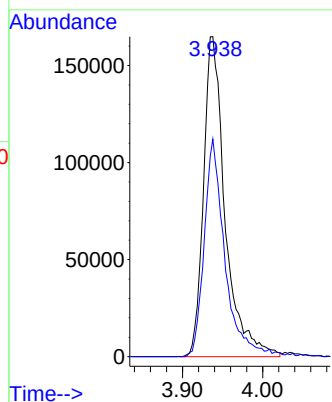
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002



Tgt Ion:101 Resp: 308712  
Ion Ratio Lower Upper  
101 100  
103 68.0 55.0 82.4

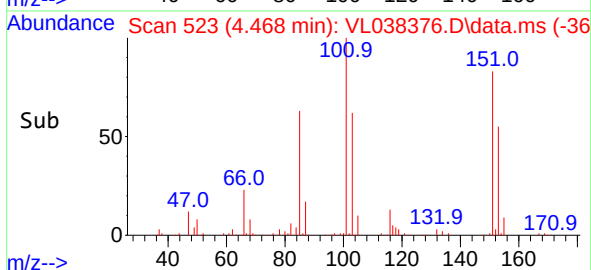
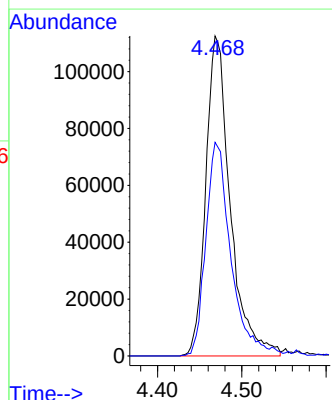
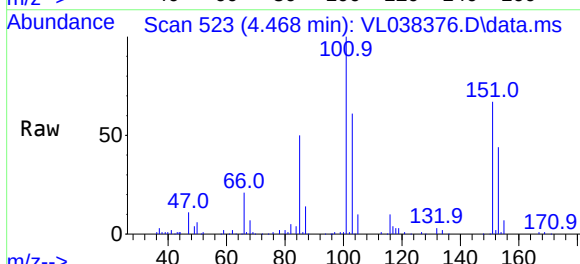
Manual Integrations  
APPROVED

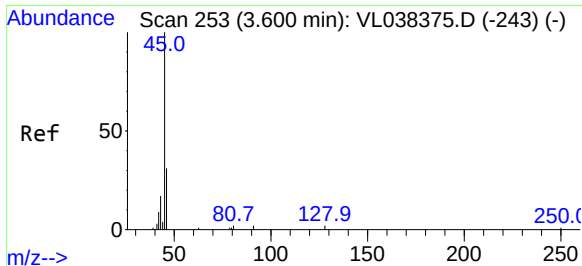
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 1.890 ppbv  
RT: 4.468 min Scan# 523  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

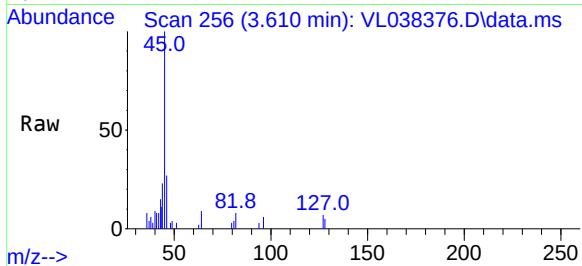
Tgt Ion:101 Resp: 226836  
Ion Ratio Lower Upper  
101 100  
151 69.4 55.9 83.9





#13  
Ethanol  
Concen: 1.992 ppbv  
RT: 3.610 min Scan# 21  
Delta R.T. 0.010 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

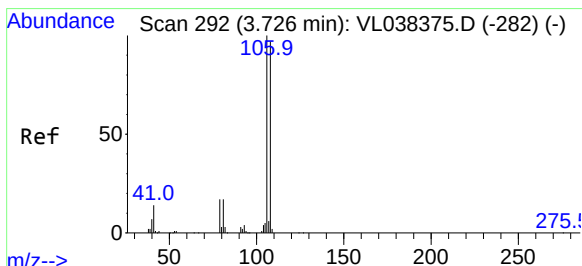
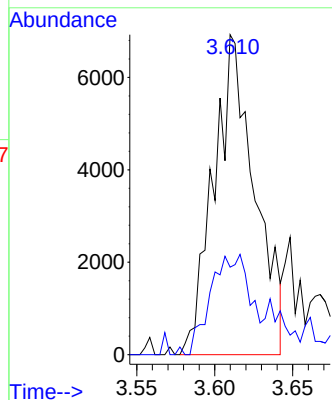
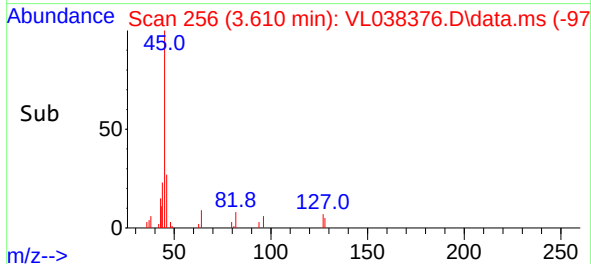
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002



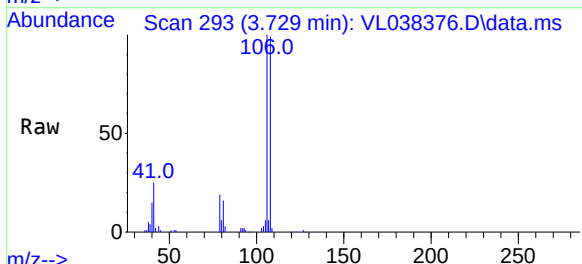
Tgt Ion: 45 Resp: 12670  
Ion Ratio Lower Upper  
45 100  
46 44.6 18.2 72.8

Manual Integrations  
APPROVED

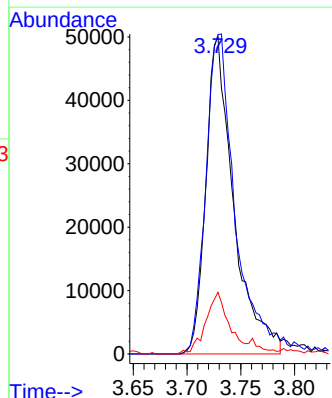
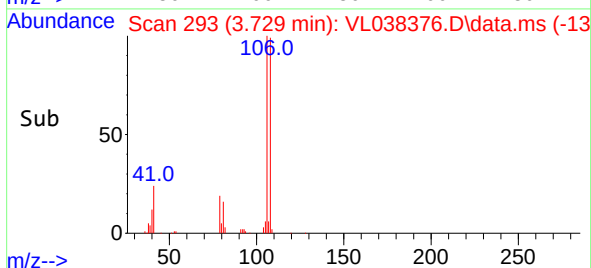
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

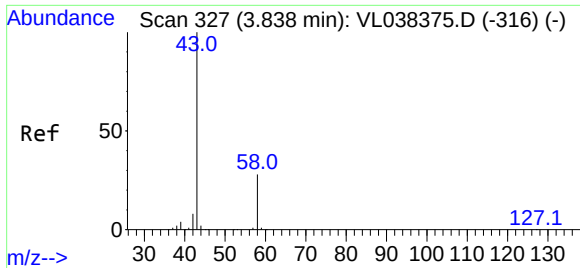


#14  
Bromoethene  
Concen: 1.919 ppbv  
RT: 3.729 min Scan# 293  
Delta R.T. 0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51



Tgt Ion:108 Resp: 90110  
Ion Ratio Lower Upper  
108 100  
106 110.2 88.4 132.6  
79 19.0 15.0 22.6





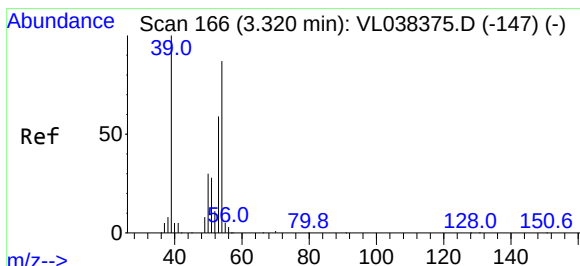
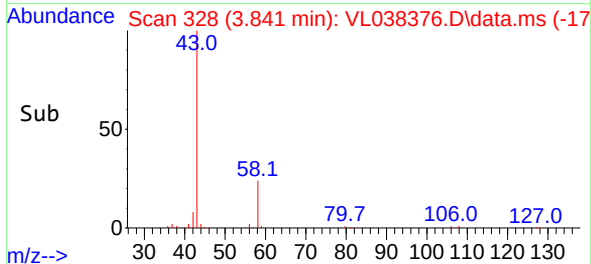
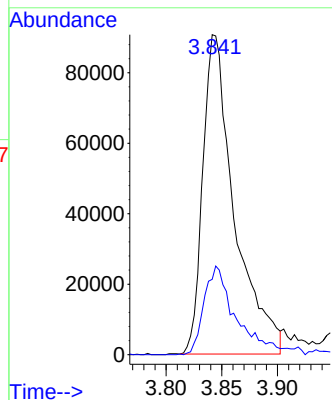
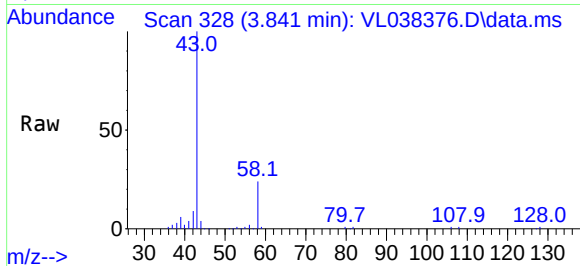
#15  
Acetone  
Concen: 2.099 ppbv  
RT: 3.841 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

Tgt Ion: 43 Resp: 179378  
Ion Ratio Lower Upper  
43 100  
58 28.7 21.7 32.5

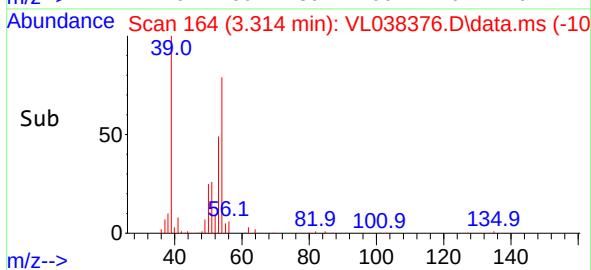
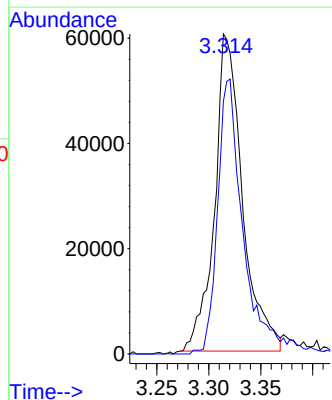
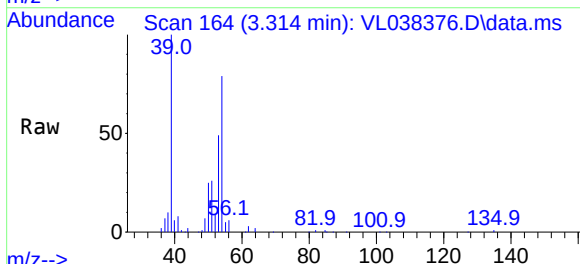
Manual Integrations  
APPROVED

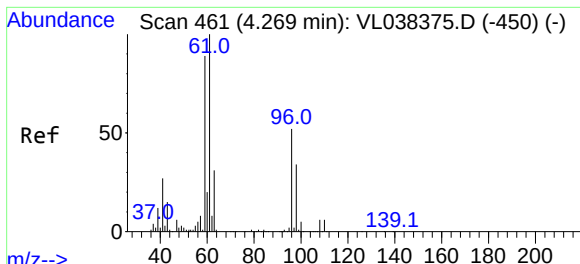
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#16  
1,3-Butadiene  
Concen: 1.849 ppbv  
RT: 3.314 min Scan# 164  
Delta R.T. -0.006 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

Tgt Ion: 39 Resp: 112682  
Ion Ratio Lower Upper  
39 100  
54 80.9 60.3 90.5





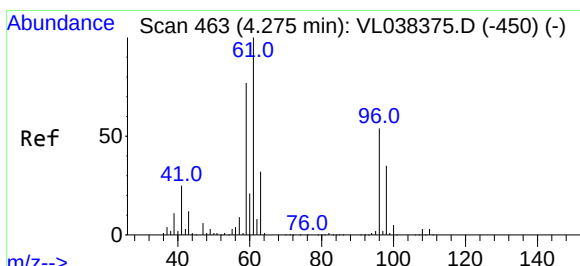
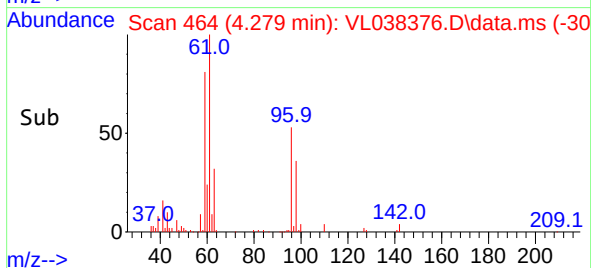
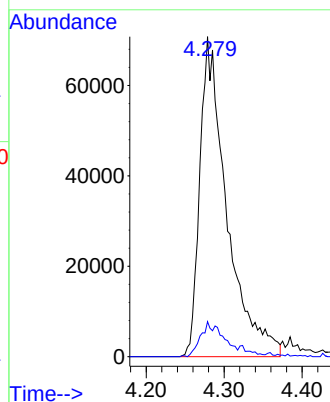
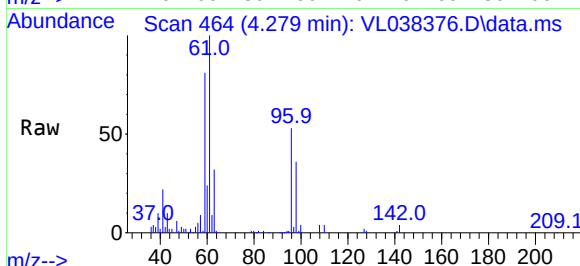
#17  
tert-Butyl alcohol  
Concen: 1.842 ppbv  
RT: 4.279 min Scan# 40  
Delta R.T. 0.010 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

Tgt Ion: 59 Resp: 169450  
Ion Ratio Lower Upper  
59 100  
57 11.3 8.4 12.6

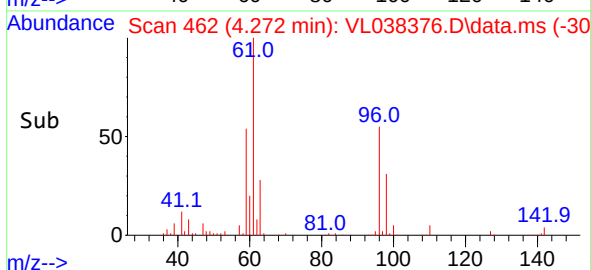
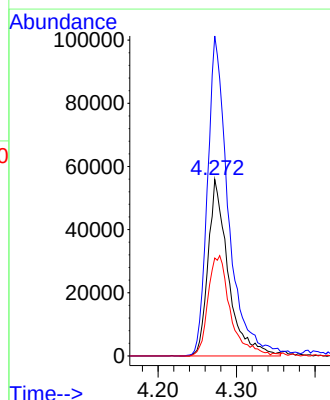
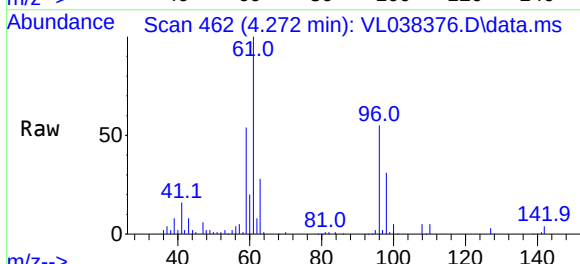
Manual Integrations  
APPROVED

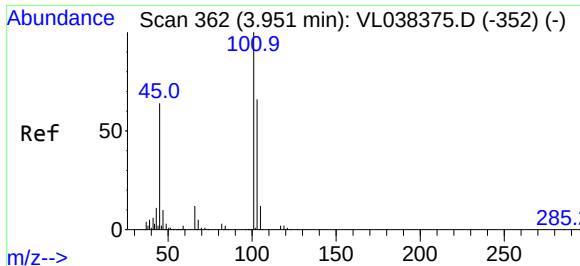
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#18  
1,1-Dichloroethene  
Concen: 1.928 ppbv m  
RT: 4.272 min Scan# 462  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

Tgt Ion: 96 Resp: 100100  
Ion Ratio Lower Upper  
96 100  
61 181.3 146.8 220.2  
98 55.4 51.5 77.3





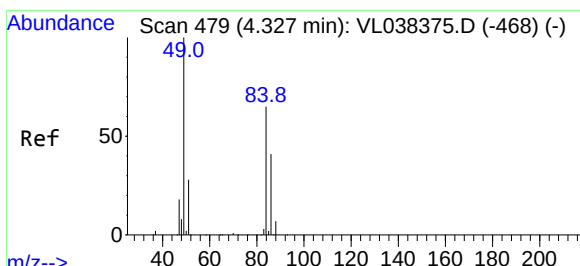
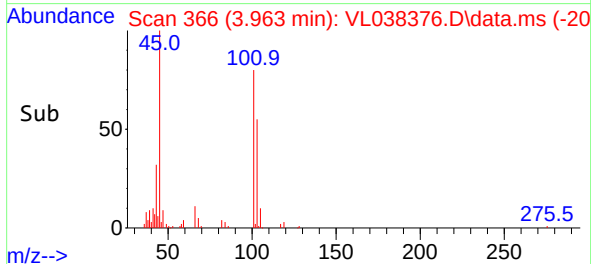
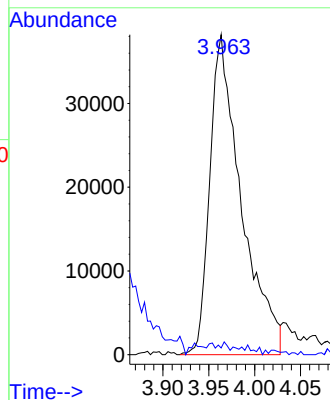
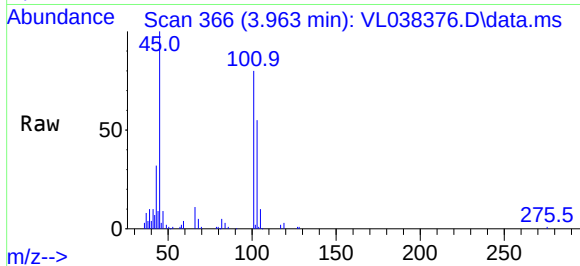
#19  
Isopropyl Alcohol  
Concen: 1.727 ppbv  
RT: 3.963 min Scan# 30  
Delta R.T. 0.013 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

Tgt Ion: 45 Resp: 9109  
Ion Ratio Lower Upper  
45 100  
58 4.4 1.8 2.8

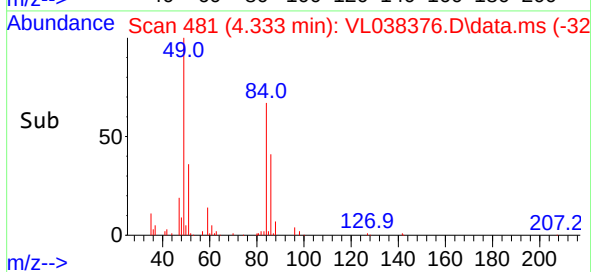
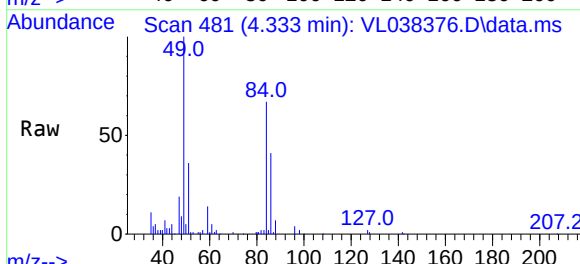
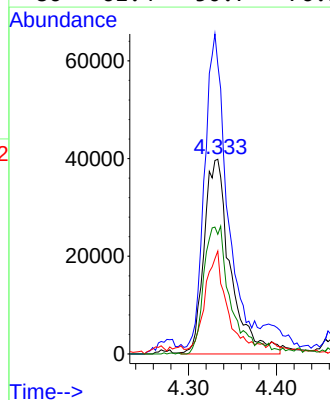
Manual Integrations  
APPROVED

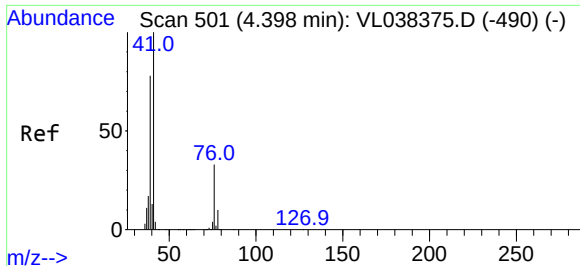
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#20  
Methylene Chloride  
Concen: 1.693 ppbv m  
RT: 4.333 min Scan# 481  
Delta R.T. 0.006 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

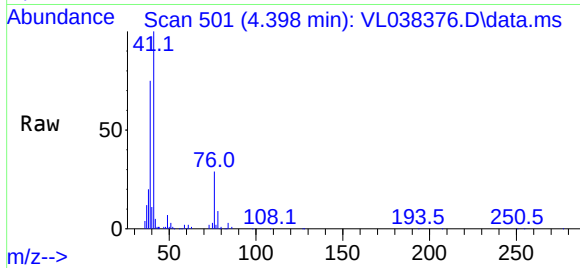
Tgt Ion: 84 Resp: 82796  
Ion Ratio Lower Upper  
84 100  
49 148.8 122.4 183.6  
51 52.9 33.3 49.9#  
86 61.4 50.7 76.1





#21  
 Allyl Chloride  
 Concen: 1.977 ppbv m  
 RT: 4.398 min Scan# 501  
 Delta R.T. -0.000 min  
 Lab File: VL038376.D  
 Acq: 22 Feb 2022 4:51

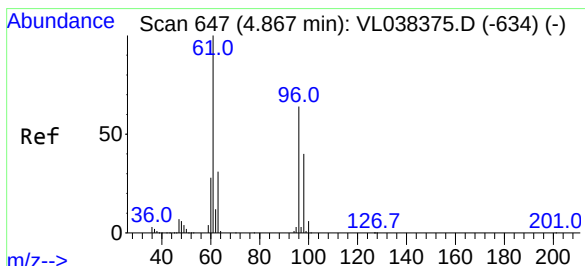
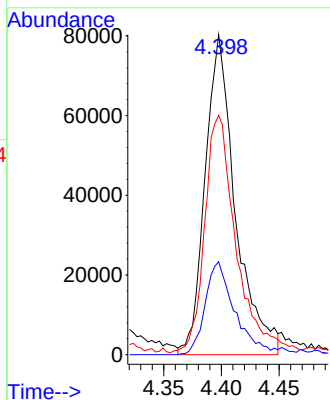
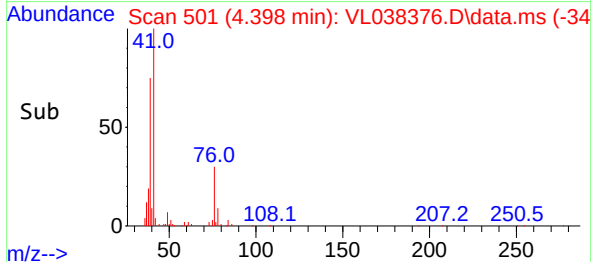
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC002



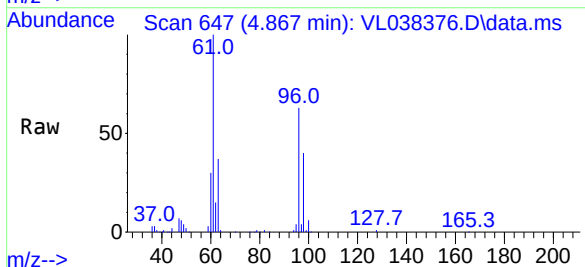
Tgt Ion: 41 Resp: 146860  
 Ion Ratio Lower Upper  
 41 100  
 76 29.5 25.4 38.0  
 39 80.0 63.0 94.6

Manual Integrations  
 APPROVED

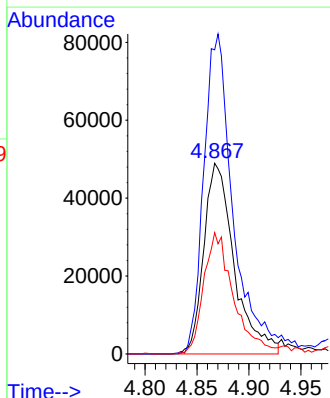
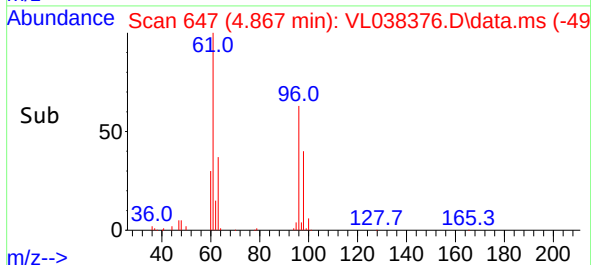
Reviewed By :Semsettin Yesilyurt 02/23/2022  
 Supervised By :Amit Patel 02/23/2022

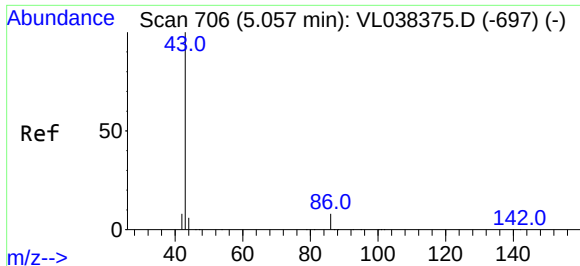


#22  
 trans-1,2-Dichloroethene  
 Concen: 1.853 ppbv  
 RT: 4.867 min Scan# 647  
 Delta R.T. -0.000 min  
 Lab File: VL038376.D  
 Acq: 22 Feb 2022 4:51



Tgt Ion: 96 Resp: 99821  
 Ion Ratio Lower Upper  
 96 100  
 61 158.9 124.2 186.4  
 98 63.2 49.1 73.7





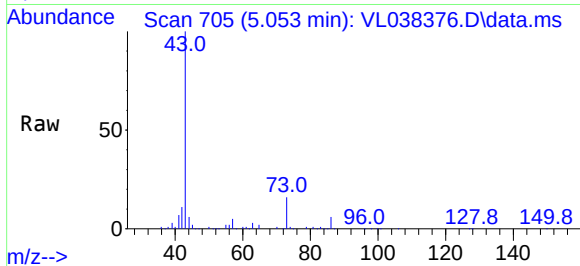
#23  
 Vinyl Acetate  
 Concen: 1.952 ppbv m  
 RT: 5.053 min Scan# 706  
 Delta R.T. -0.003 min  
 Lab File: VL038376.D  
 Acq: 22 Feb 2022 4:51

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC002

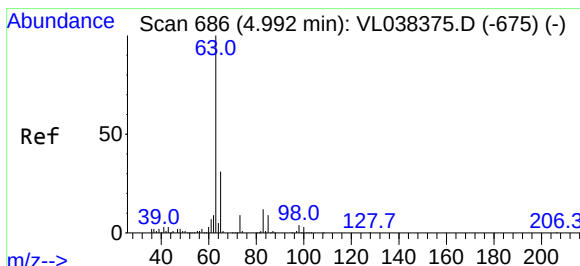
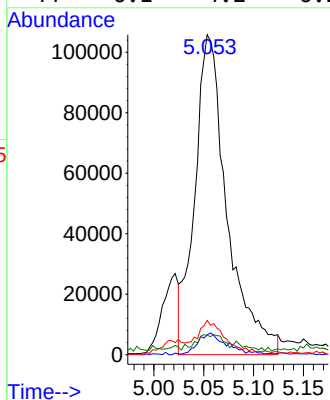
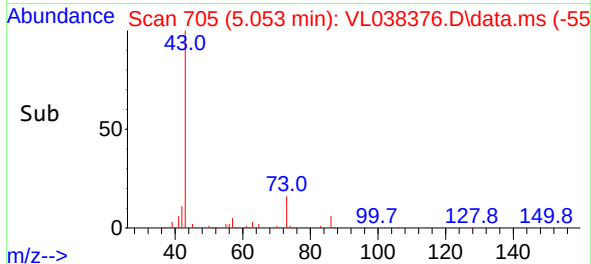


Tgt Ion: 43 Resp: 238518  
 Ion Ratio Lower Upper  
 43 100  
 86 6.2 5.8 8.6  
 42 10.7 7.4 11.0  
 44 6.1 4.2 6.2

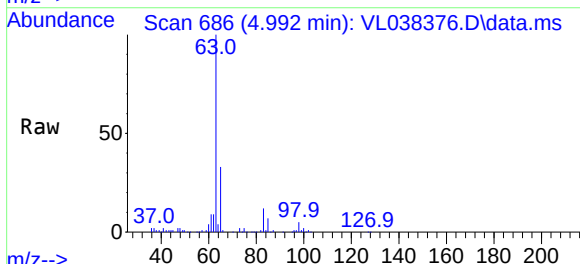
Manual Integrations

APPROVED

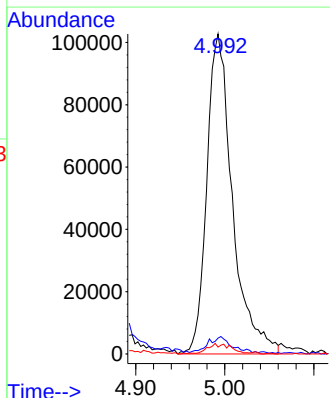
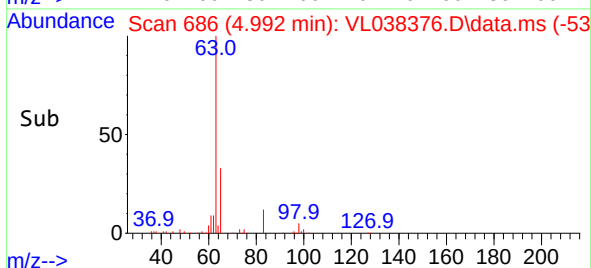
Reviewed By :Semsettin Yesilyurt 02/23/2022  
 Supervised By :Amit Patel 02/23/2022

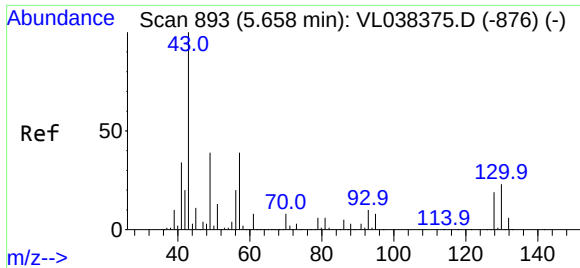


#24  
 1,1-Dichloroethane  
 Concen: 1.886 ppbv  
 RT: 4.992 min Scan# 686  
 Delta R.T. -0.000 min  
 Lab File: VL038376.D  
 Acq: 22 Feb 2022 4:51



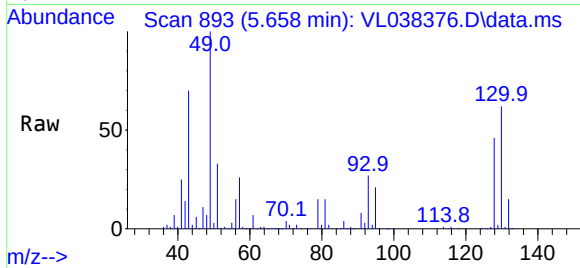
Tgt Ion: 63 Resp: 205504  
 Ion Ratio Lower Upper  
 63 100  
 98 4.5 2.1 6.5  
 100 2.1 1.4 4.2





#25  
Ethyl Acetate  
Concen: 1.963 ppbv  
RT: 5.658 min Scan# 893  
Delta R.T. -0.000 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

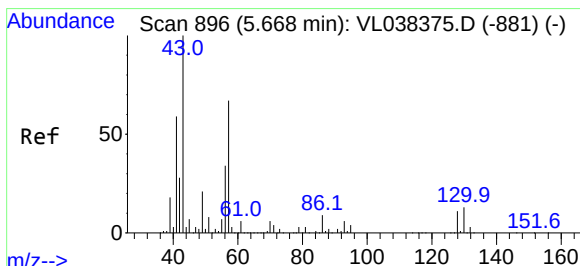
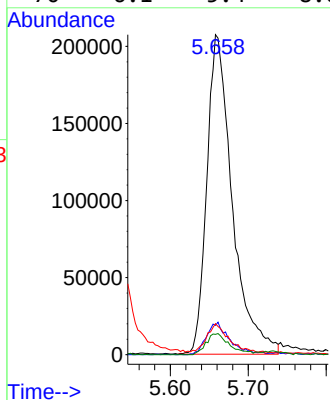
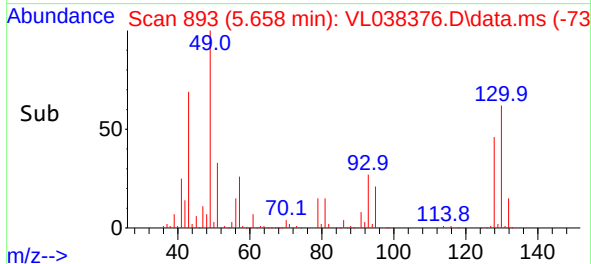
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002



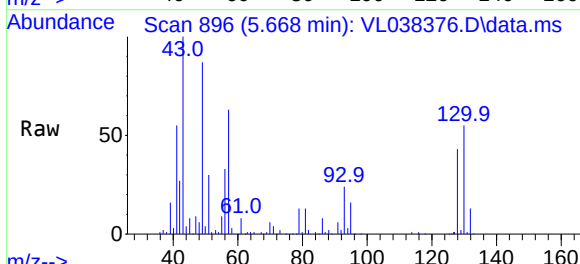
Tgt Ion: 43 Resp: 470840  
Ion Ratio Lower Upper  
43 100  
45 10.1 7.8 11.6  
61 10.0 7.5 11.3  
70 6.1 5.4 8.0

Manual Integrations  
APPROVED

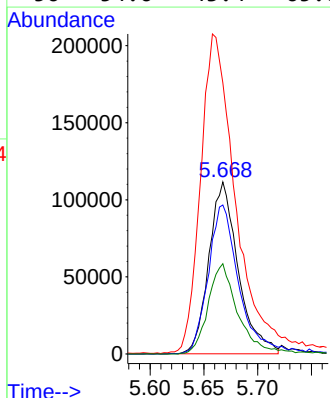
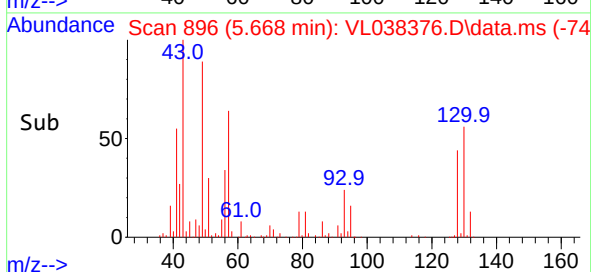
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



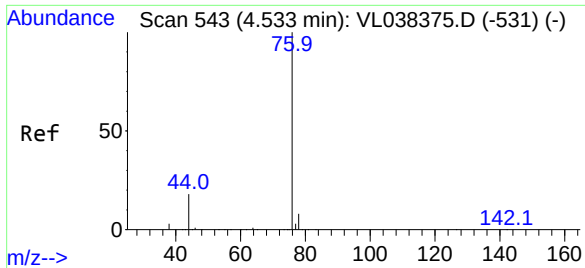
#26  
Hexane  
Concen: 1.903 ppbv  
RT: 5.668 min Scan# 896  
Delta R.T. -0.000 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51



Tgt Ion: 57 Resp: 211200  
Ion Ratio Lower Upper  
57 100  
41 93.8 73.1 109.7  
43 231.0 181.0 271.4  
56 54.6 43.4 65.0

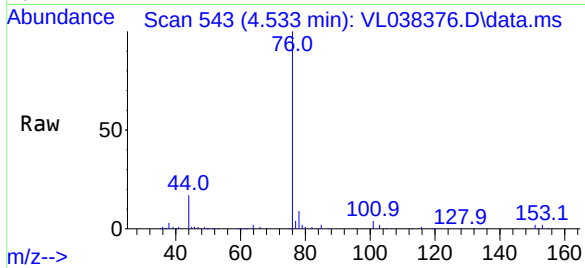






#27  
Carbon Disulfide  
Concen: 1.811 ppbv  
RT: 4.533 min Scan# 543  
Delta R.T. -0.000 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

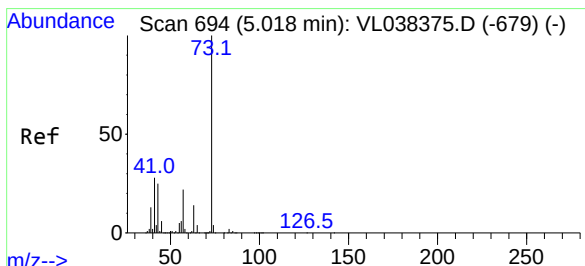
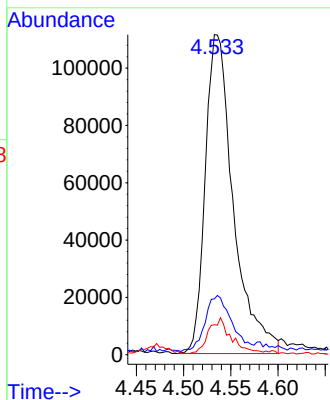
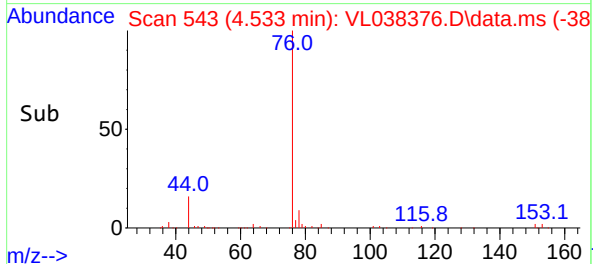
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002



Tgt Ion: 76 Resp: 230259  
Ion Ratio Lower Upper  
76 100  
44 19.0 14.2 21.2  
78 10.4 7.8 11.6

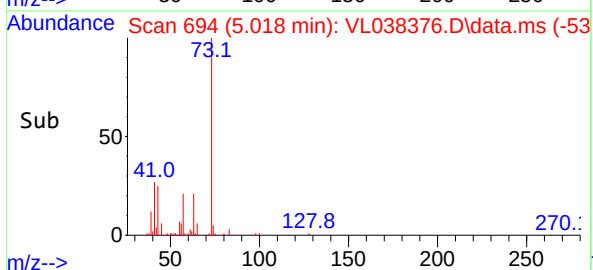
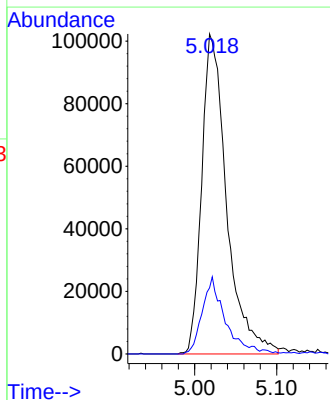
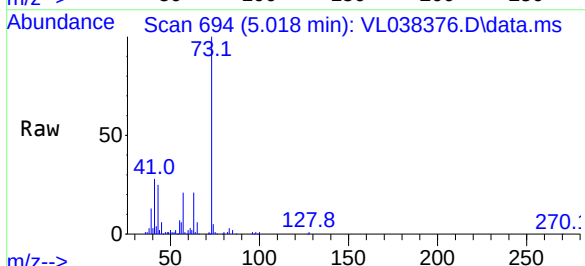
Manual Integrations  
APPROVED

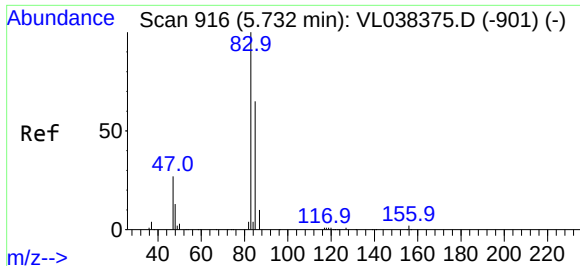
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#28  
Methyl tert-Butyl Ether  
Concen: 1.900 ppbv  
RT: 5.018 min Scan# 694  
Delta R.T. -0.000 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

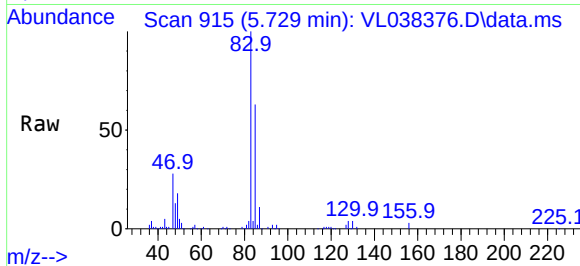
Tgt Ion: 73 Resp: 216036  
Ion Ratio Lower Upper  
73 100  
57 22.3 18.2 27.4





#29  
Chloroform  
Concen: 1.908 ppbv  
RT: 5.729 min Scan# 916  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

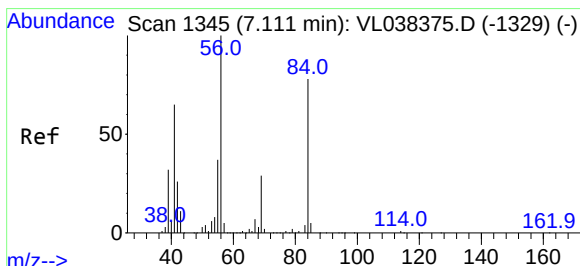
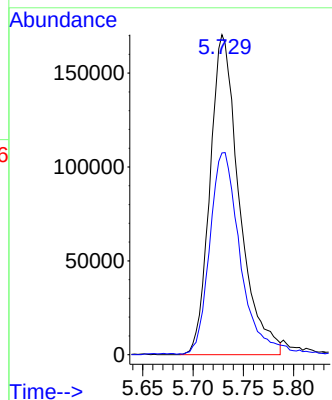
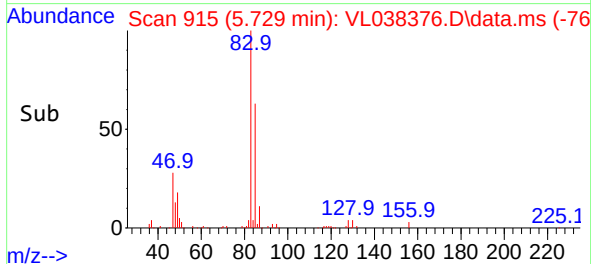
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002



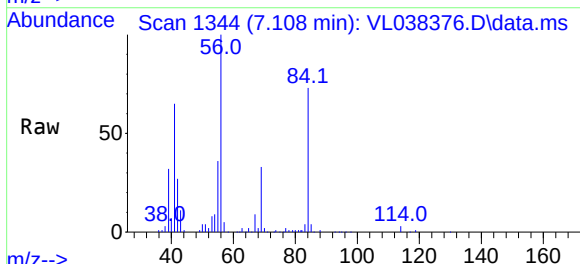
Tgt Ion: 83 Resp: 344960  
Ion Ratio Lower Upper  
83 100  
85 62.7 51.6 77.4

Manual Integrations  
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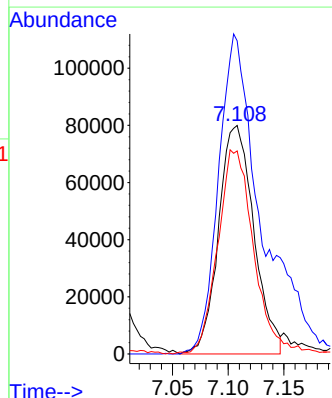
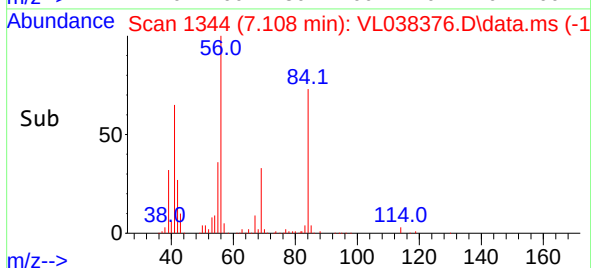
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

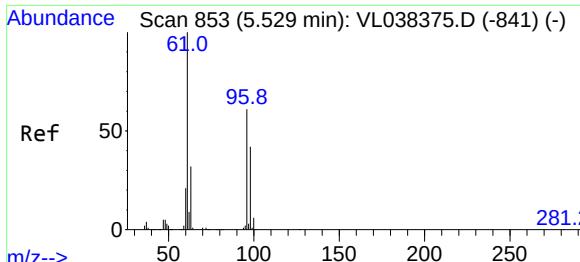


#30  
Cyclohexane  
Concen: 1.861 ppbv  
RT: 7.108 min Scan# 1344  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51



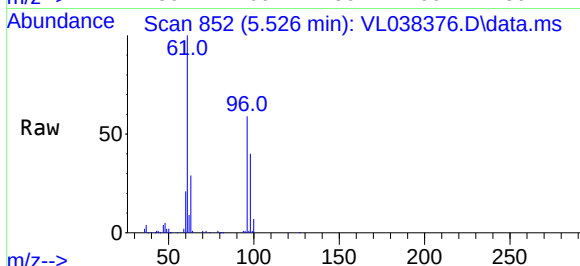
Tgt Ion: 84 Resp: 176398  
Ion Ratio Lower Upper  
84 100  
56 172.8 116.2 174.4  
41 91.8 74.3 111.5





#31  
cis-1,2-Dichloroethene  
Concen: 1.987 ppbv  
RT: 5.526 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

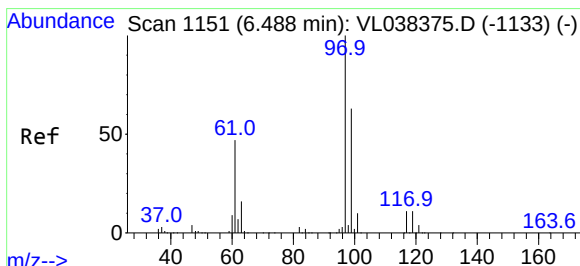
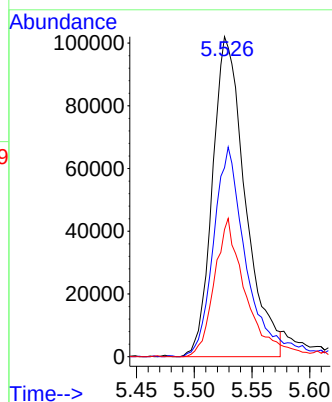
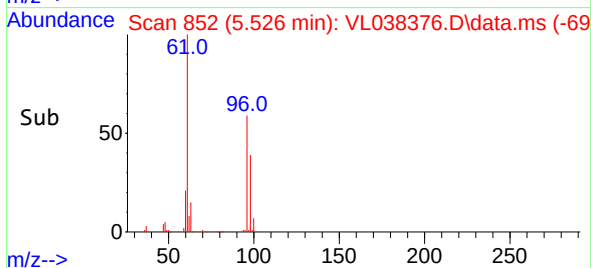
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002



Tgt Ion: 61 Resp: 201262  
Ion Ratio Lower Upper  
61 100  
96 59.1 48.6 73.0  
98 39.8 33.2 49.8

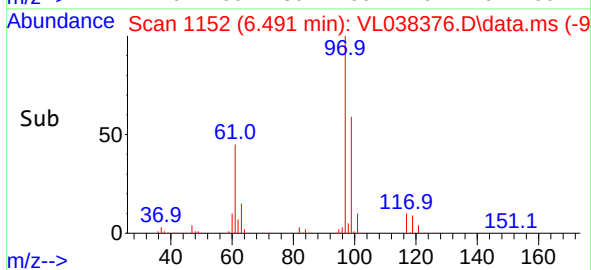
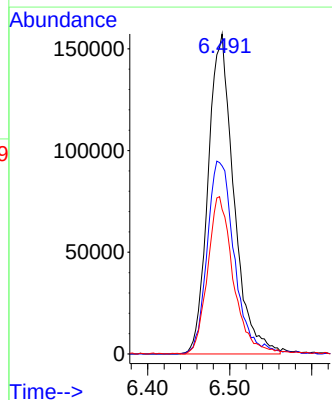
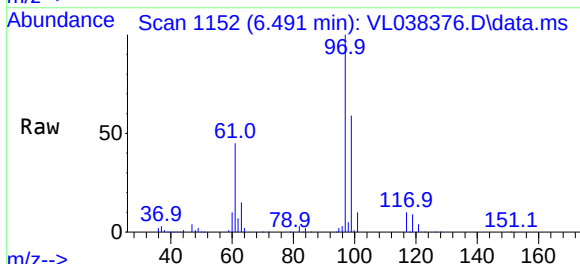
Manual Integrations  
APPROVED

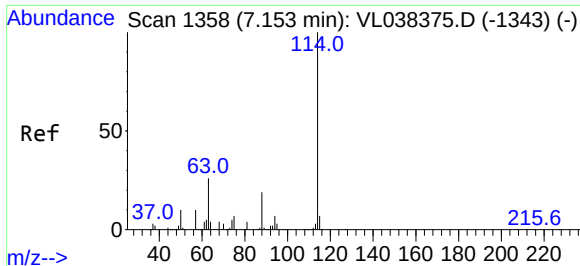
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#32  
1,1,1-Trichloroethane  
Concen: 1.895 ppbv  
RT: 6.491 min Scan# 1152  
Delta R.T. 0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

Tgt Ion: 97 Resp: 342010  
Ion Ratio Lower Upper  
97 100  
99 64.4 51.9 77.9  
61 50.1 40.5 60.7





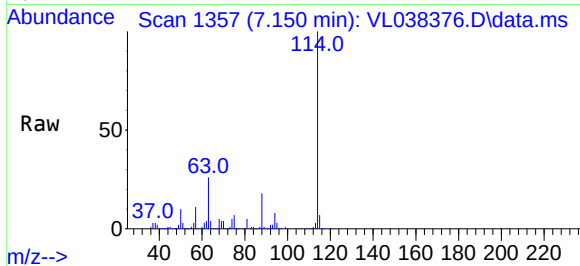
#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.150 min Scan# 114  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC002

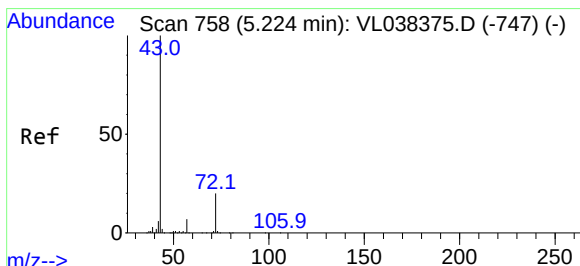
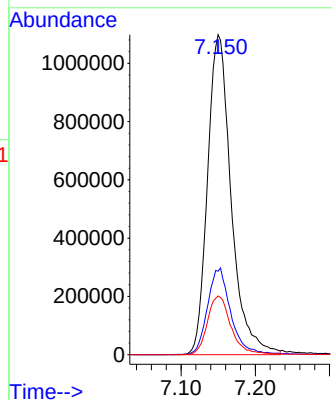
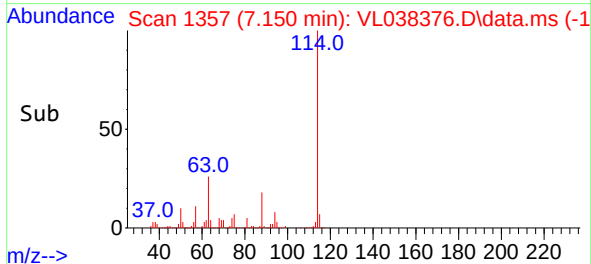


Tgt Ion:114 Resp: 242779  
Ion Ratio Lower Upper  
114 100  
63 27.1 22.2 33.2  
88 18.5 15.2 22.8

Manual Integrations

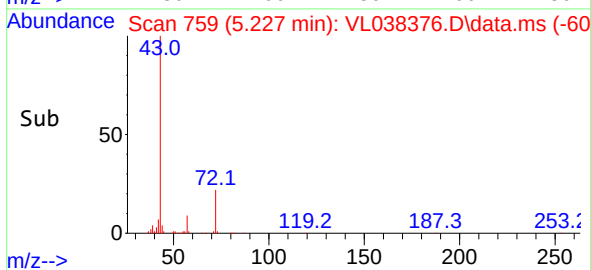
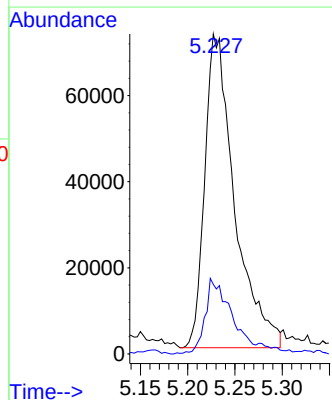
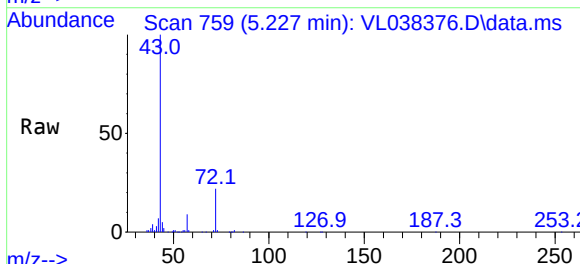
APPROVED

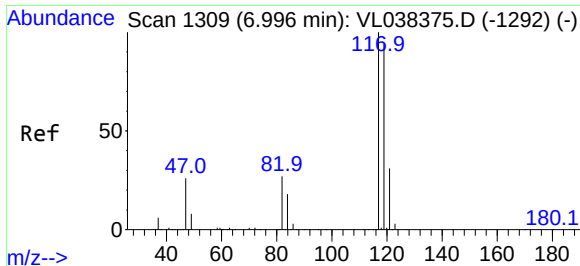
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#34  
2-Butanone  
Concen: 1.994 ppbv  
RT: 5.227 min Scan# 759  
Delta R.T. 0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

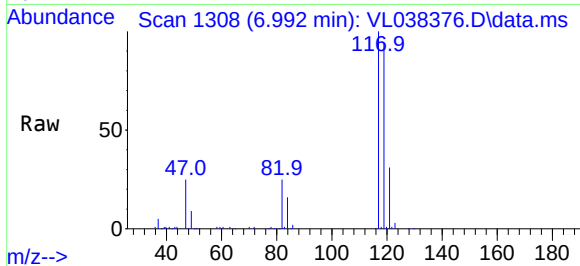
Tgt Ion: 43 Resp: 159835  
Ion Ratio Lower Upper  
43 100  
72 23.1 17.4 26.2





#35  
Carbon Tetrachloride  
Concen: 2.049 ppbv  
RT: 6.992 min Scan# 117  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

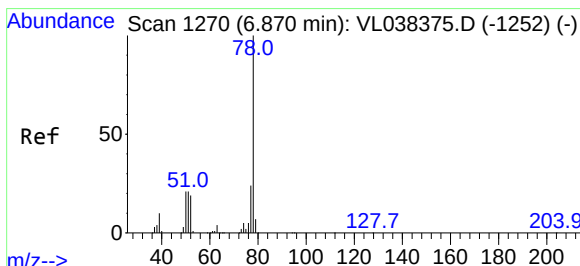
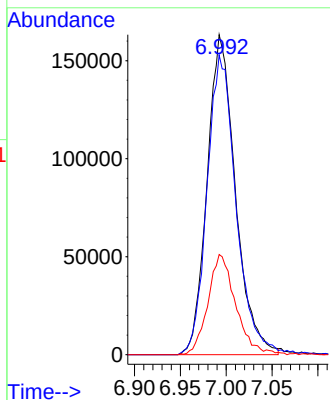
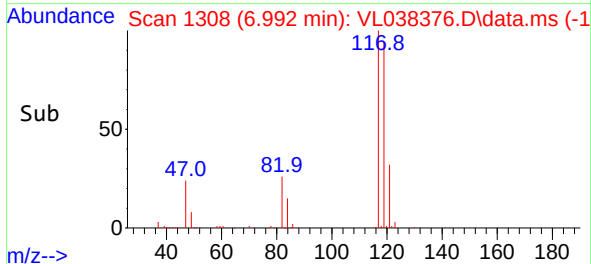
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002



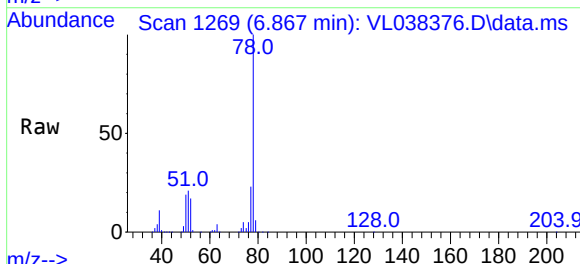
Tgt Ion:117 Resp: 35012  
Ion Ratio Lower Upper  
117 100  
119 93.6 74.9 112.3  
121 31.9 24.8 37.2

Manual Integrations  
APPROVED

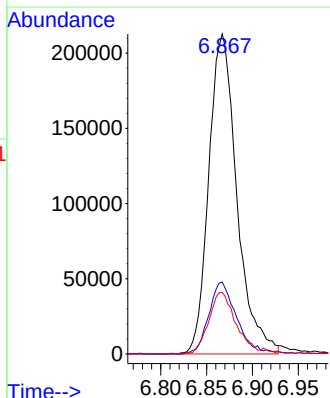
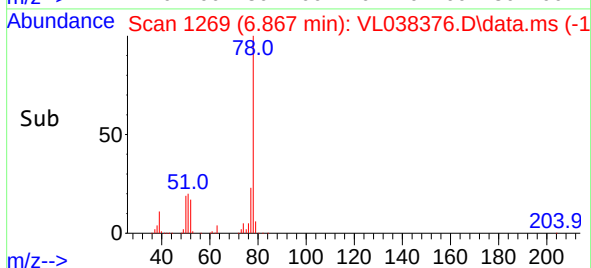
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

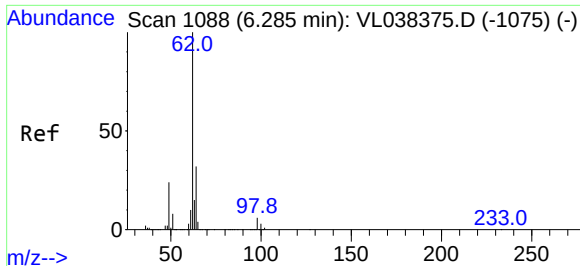


#36  
Benzene  
Concen: 2.097 ppbv  
RT: 6.867 min Scan# 1269  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51



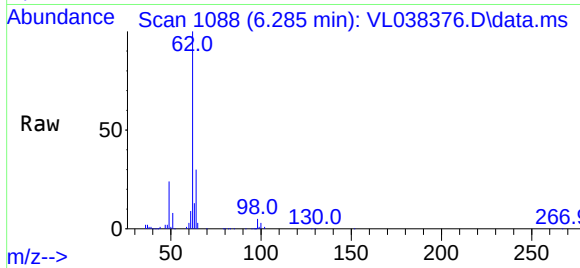
Tgt Ion: 78 Resp: 452410  
Ion Ratio Lower Upper  
78 100  
77 22.5 19.0 28.6  
50 19.2 16.6 24.8





#37  
1,2-Dichloroethane  
Concen: 2.077 ppbv  
RT: 6.285 min Scan# 1088  
Delta R.T. -0.000 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

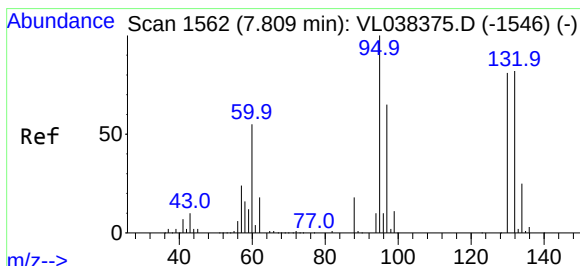
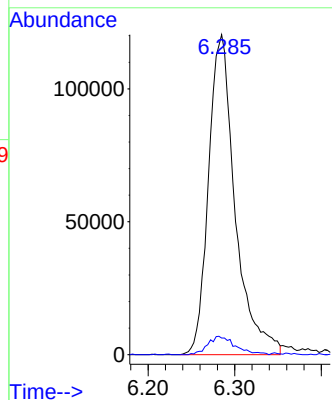
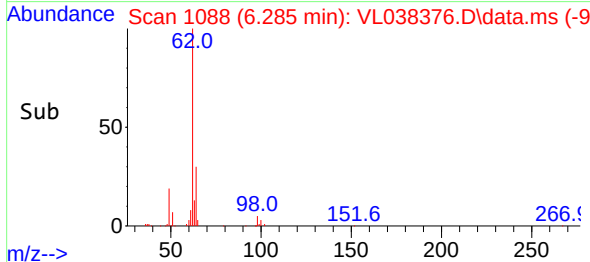
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



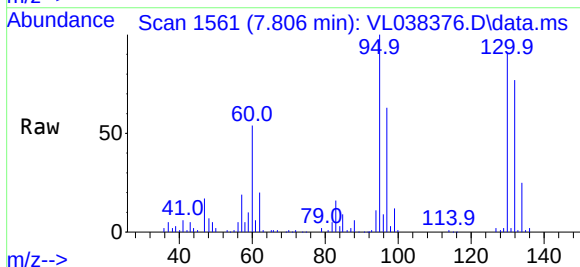
Tgt Ion: 62 Resp: 256762  
Ion Ratio Lower Upper  
62 100  
98 6.3 4.6 7.0

Manual Integrations  
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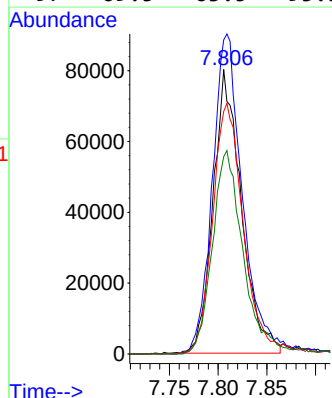
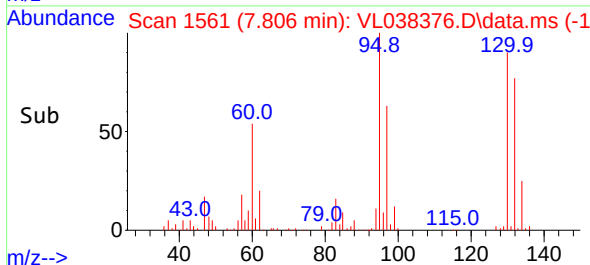
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

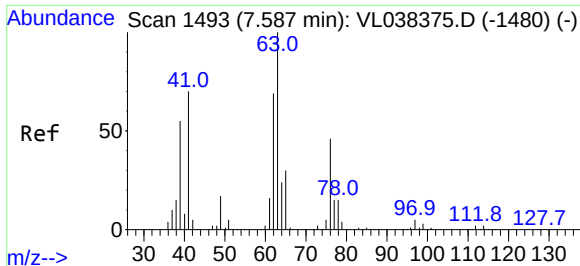


#38  
Trichloroethene  
Concen: 2.018 ppbv  
RT: 7.806 min Scan# 1561  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51



Tgt Ion:130 Resp: 161737  
Ion Ratio Lower Upper  
130 100  
95 110.3 98.1 147.1  
132 85.1 80.3 120.5  
97 69.5 63.5 95.3





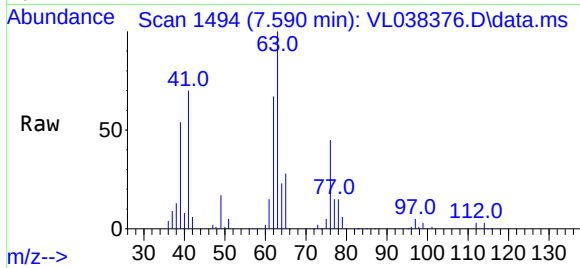
#39  
1,2-Dichloropropane  
Concen: 2.064 ppbv m  
RT: 7.590 min Scan# 1493  
Delta R.T. 0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC002

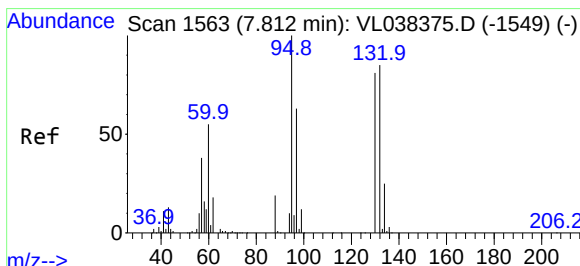
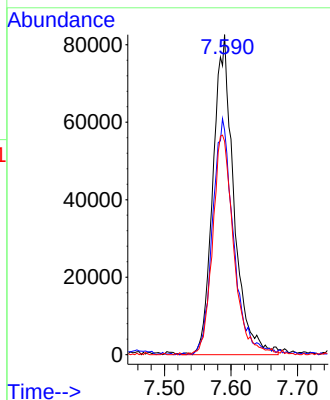
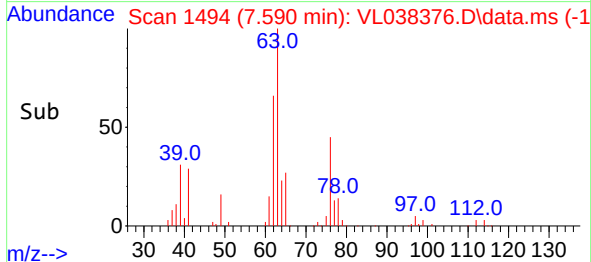


Tgt Ion: 63 Resp: 179574  
Ion Ratio Lower Upper  
63 100  
41 70.2 56.1 84.1  
62 66.7 55.5 83.3

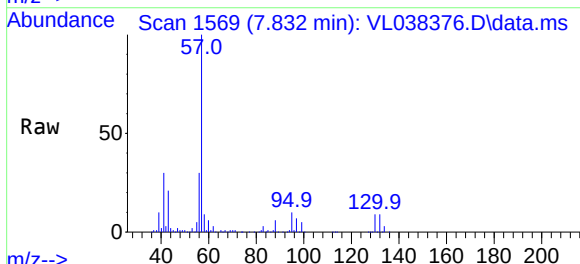
Manual Integrations

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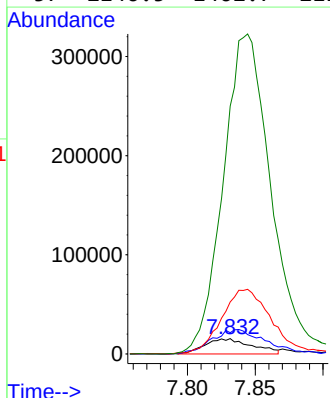
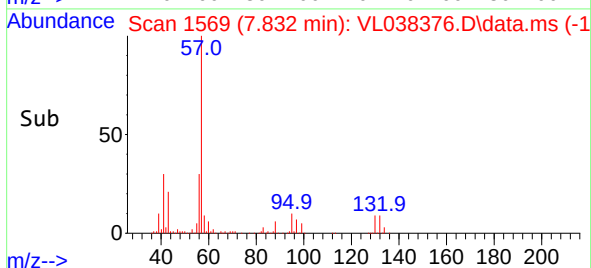
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

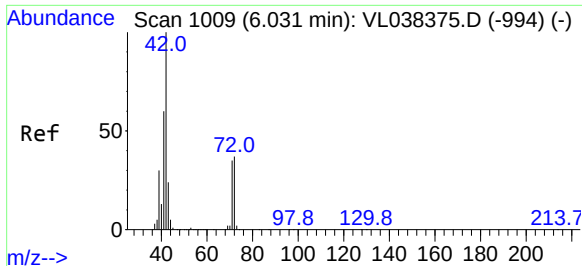


#40  
1,4-Dioxane  
Concen: 1.768 ppbv  
RT: 7.832 min Scan# 1569  
Delta R.T. 0.019 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51



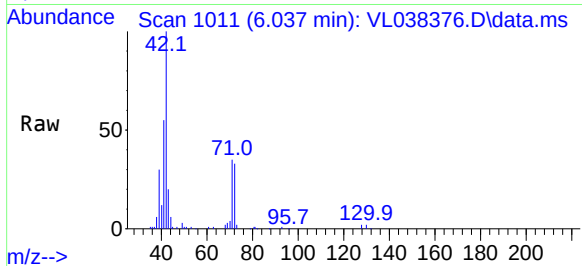
Tgt Ion: 88 Resp: 37438  
Ion Ratio Lower Upper  
88 100  
58 189.9 133.2 199.8  
43 467.6 330.6 496.0  
57 2146.5 1462.7 2194.1





#41  
Tetrahydrofuran  
Concen: 2.030 ppbv m  
RT: 6.037 min Scan# 1009  
Delta R.T. 0.006 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

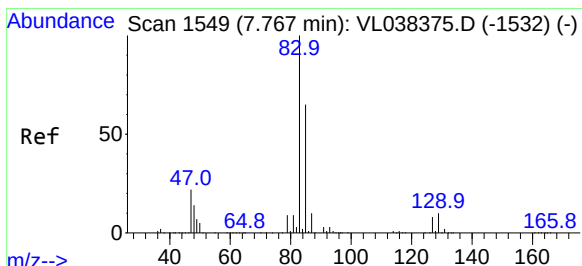
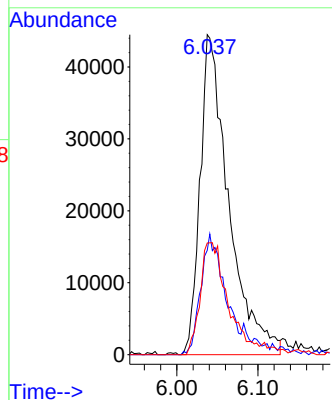
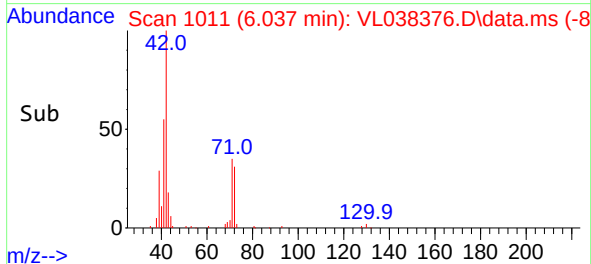
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



Tgt Ion: 42 Resp: 109090  
Ion Ratio Lower Upper  
42 100  
72 37.3 29.9 44.9  
71 35.5 28.6 42.8

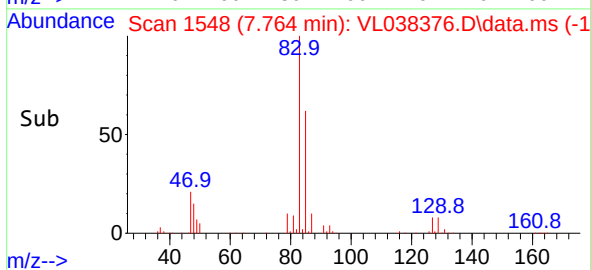
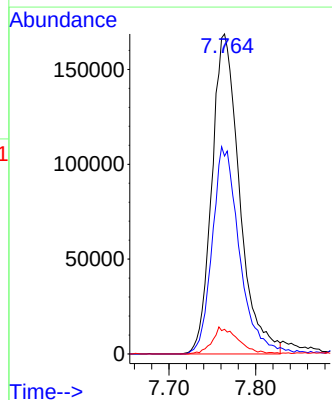
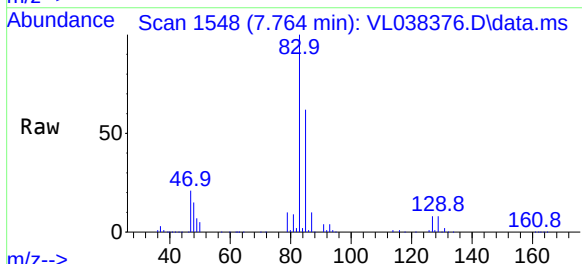
Manual Integrations  
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Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

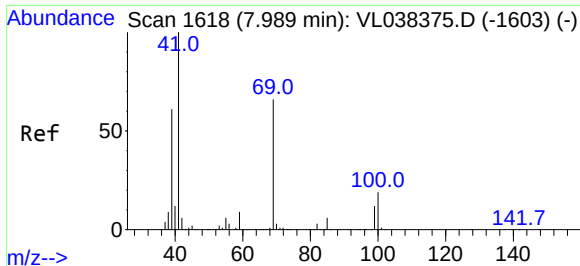


#42  
Bromodichloromethane  
Concen: 2.039 ppbv  
RT: 7.764 min Scan# 1548  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

Tgt Ion: 83 Resp: 374002  
Ion Ratio Lower Upper  
83 100  
85 61.9 52.2 78.4  
127 7.7 6.2 9.4







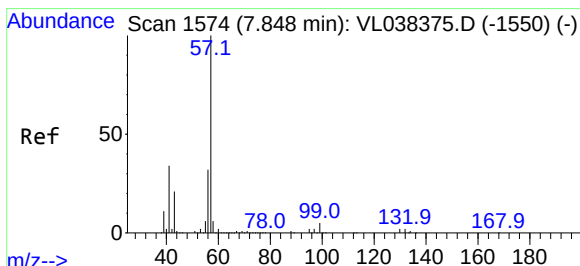
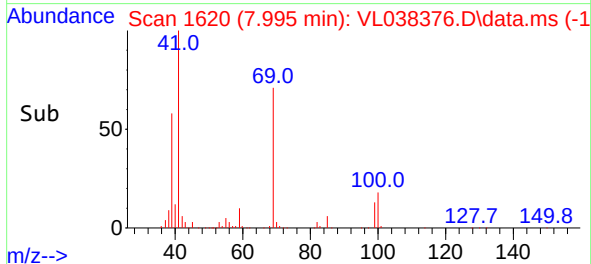
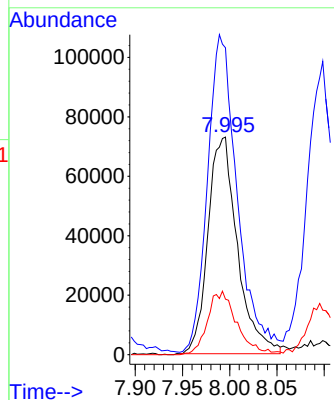
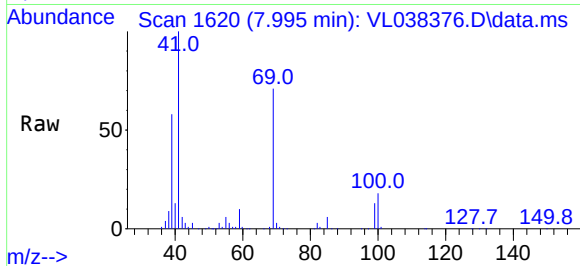
#43  
Methyl Methacrylate  
Concen: 2.075 ppbv  
RT: 7.995 min Scan# 15798  
Delta R.T. 0.006 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

Tgt Ion: 69 Resp: 15798  
Ion Ratio Lower Upper  
69 100  
41 150.5 122.9 184.3  
100 28.9 23.6 35.4

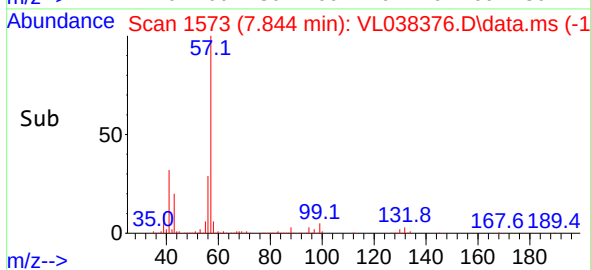
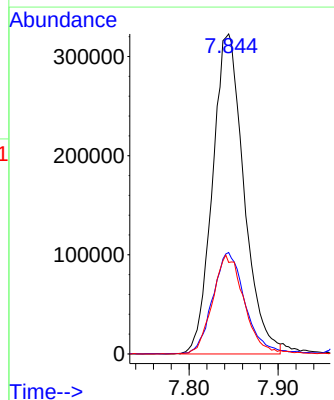
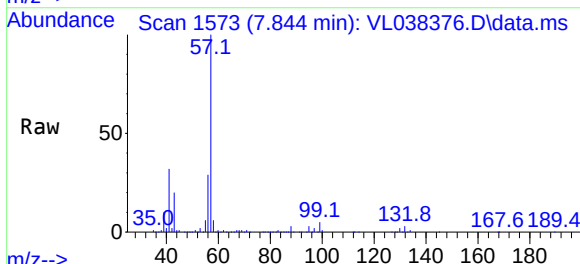
Manual Integrations  
APPROVED

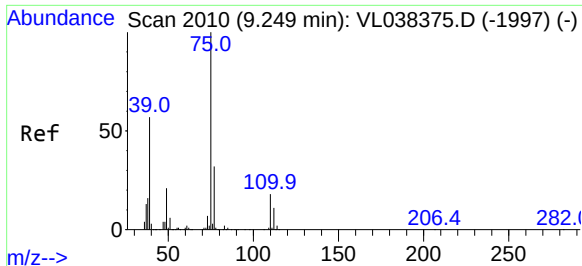
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#44  
2,2,4-Trimethylpentane  
Concen: 2.082 ppbv  
RT: 7.844 min Scan# 1573  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

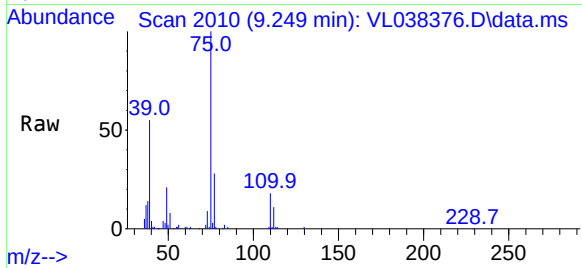
Tgt Ion: 57 Resp: 790307  
Ion Ratio Lower Upper  
57 100  
41 33.2 26.6 39.8  
56 31.2 25.0 37.6





#45  
t-1,3-Dichloropropene  
Concen: 1.990 ppbv m  
RT: 9.249 min Scan# 2010  
Delta R.T. -0.000 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

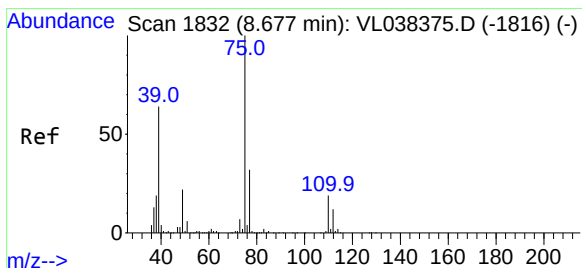
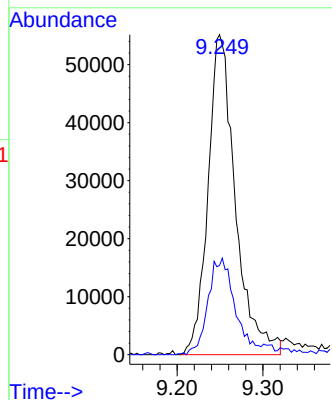
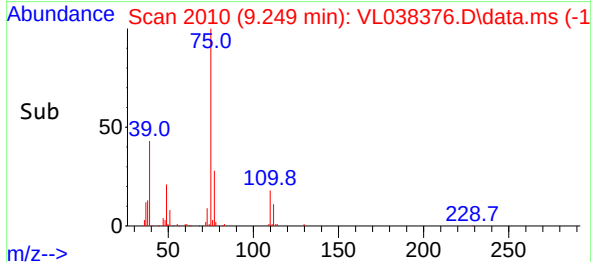
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



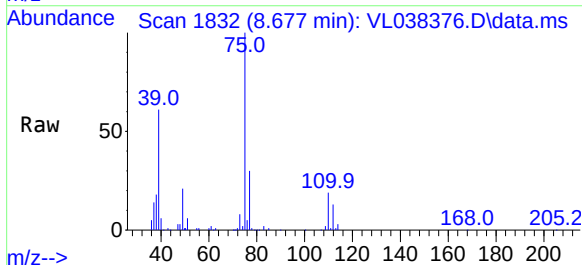
Tgt Ion: 75 Resp: 122338  
Ion Ratio Lower Upper  
75 100  
77 27.9 25.4 38.0

Manual Integrations  
APPROVED

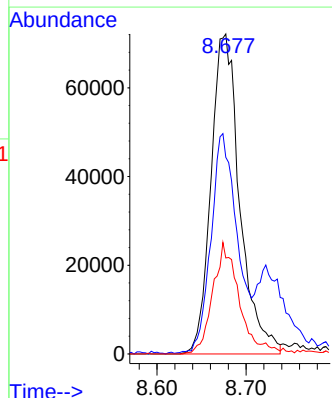
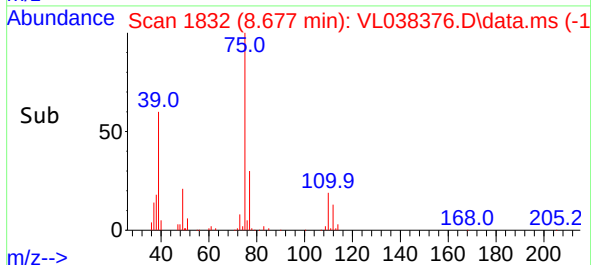
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

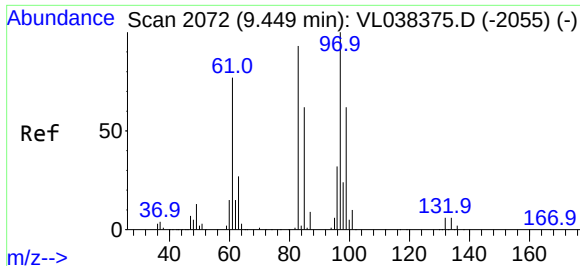


#46  
cis-1,3-Dichloropropene  
Concen: 1.968 ppbv  
RT: 8.677 min Scan# 1832  
Delta R.T. -0.000 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51



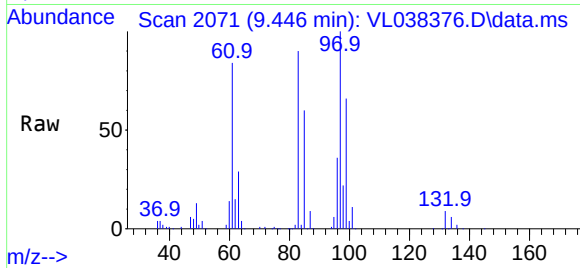
Tgt Ion: 75 Resp: 161859  
Ion Ratio Lower Upper  
75 100  
39 61.0 51.4 77.2  
77 30.0 25.4 38.2





#47  
1,1,2-Trichloroethane  
Concen: 2.052 ppbv m  
RT: 9.446 min Scan# 2072  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

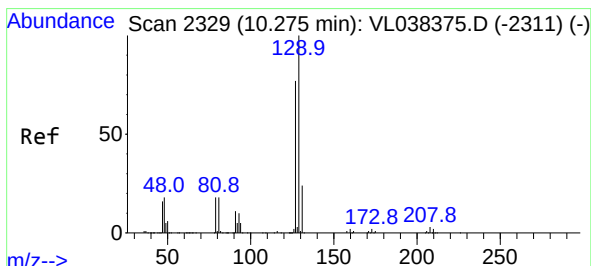
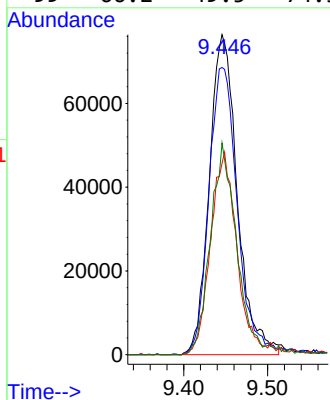
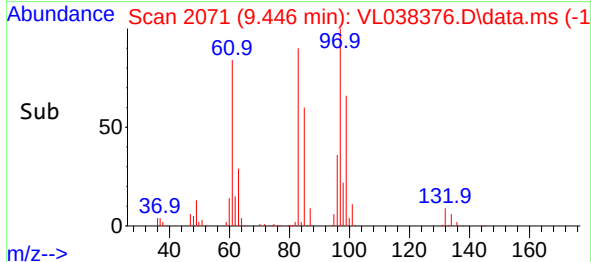
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



Tgt Ion: 97 Resp: 176948  
Ion Ratio Lower Upper  
97 100  
83 89.7 74.2 111.4  
85 59.8 49.8 74.8  
99 66.2 49.5 74.3

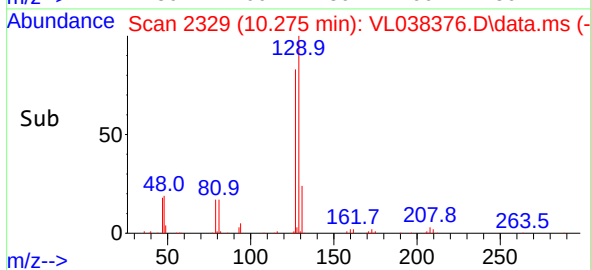
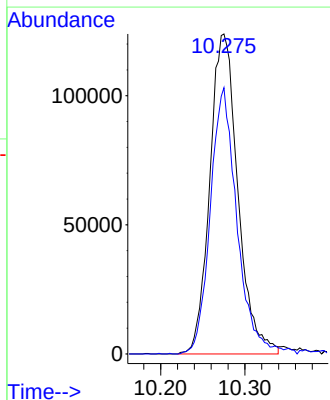
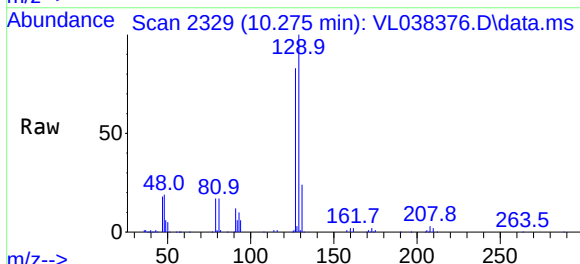
Manual Integrations  
APPROVED

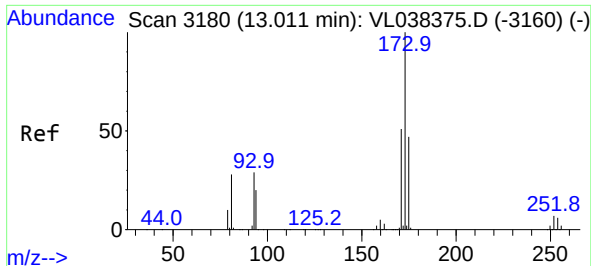
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#48  
Dibromochloromethane  
Concen: 1.980 ppbv  
RT: 10.275 min Scan# 2329  
Delta R.T. -0.000 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

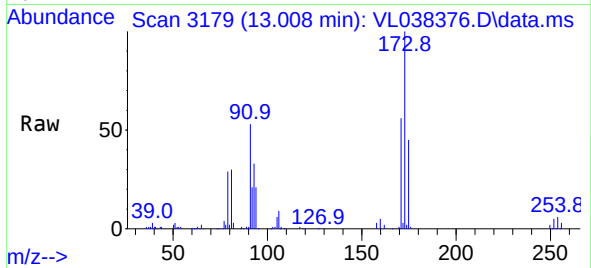
Tgt Ion:129 Resp: 287057  
Ion Ratio Lower Upper  
129 100  
127 80.0 39.4 118.1





#49  
Bromoform  
Concen: 1.994 ppbv  
RT: 13.008 min Scan# 3180  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

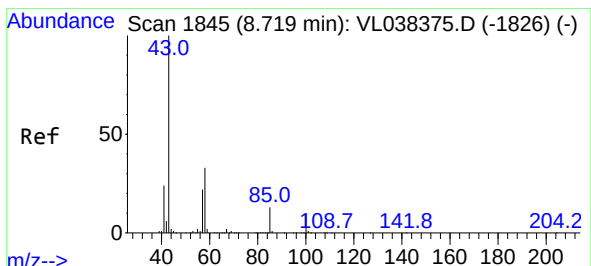
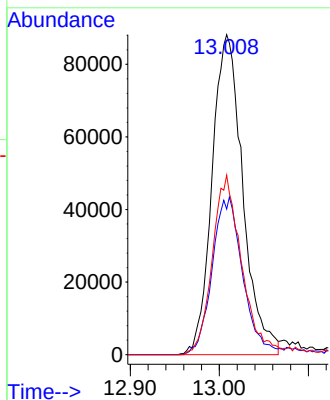
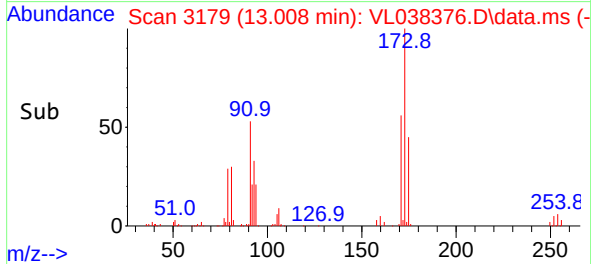
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



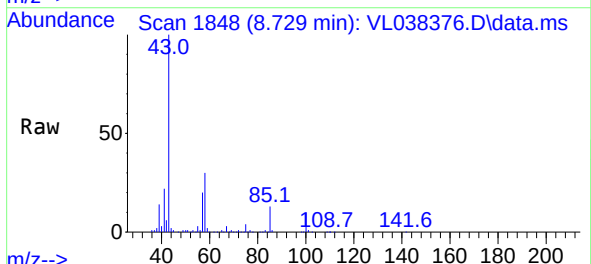
Tgt Ion:173 Resp: 211394  
Ion Ratio Lower Upper  
173 100  
175 51.0 40.2 60.2  
171 55.9 42.7 64.1

Manual Integrations  
APPROVED

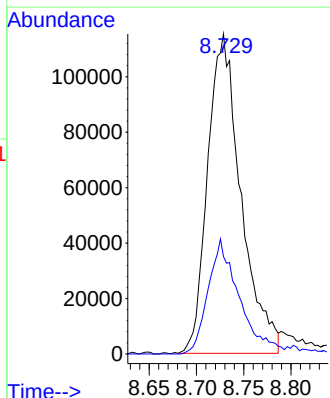
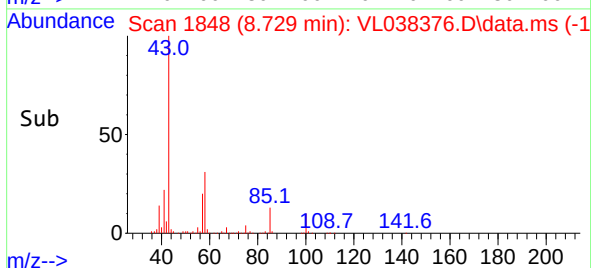
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

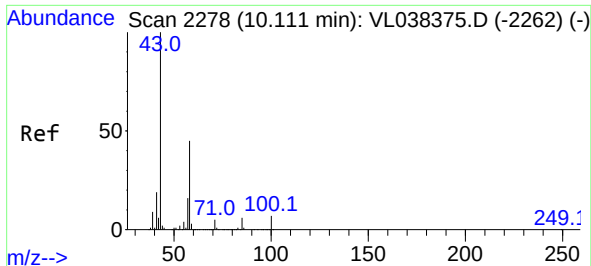


#50  
4-Methyl-2-Pentanone  
Concen: 1.973 ppbv  
RT: 8.729 min Scan# 1848  
Delta R.T. 0.010 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51



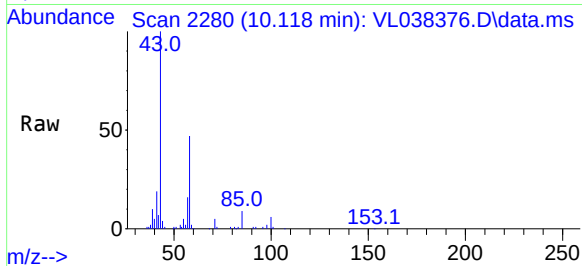
Tgt Ion: 43 Resp: 281368  
Ion Ratio Lower Upper  
43 100  
58 36.0 27.7 41.5





#51  
2-Hexanone  
Concen: 1.911 ppbv m  
RT: 10.118 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

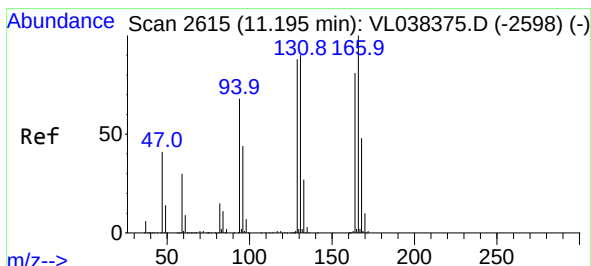
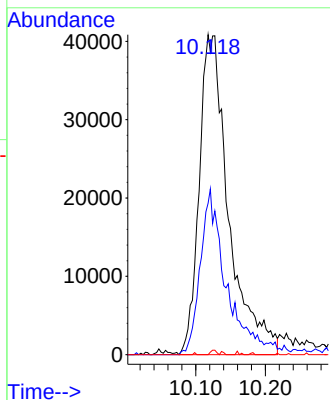
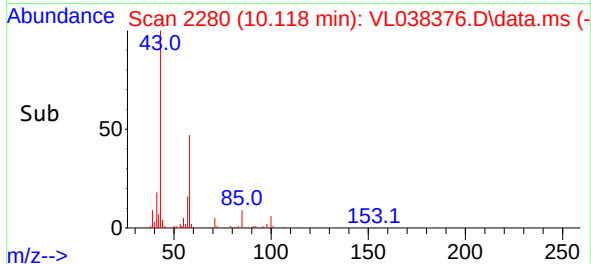
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



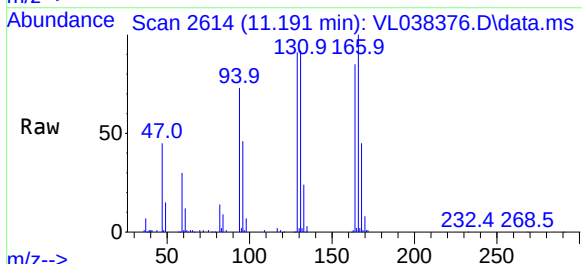
Tgt Ion: 43 Resp: 120394  
Ion Ratio Lower Upper  
43 100  
58 46.2 37.4 56.0  
98 0.0 0.1 0.1

Manual Integrations  
APPROVED

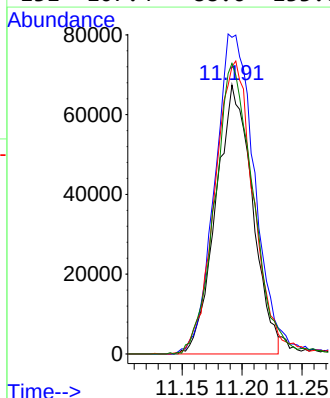
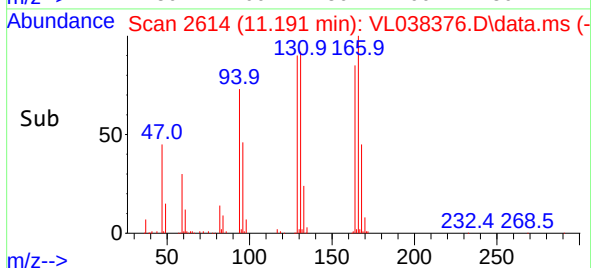
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

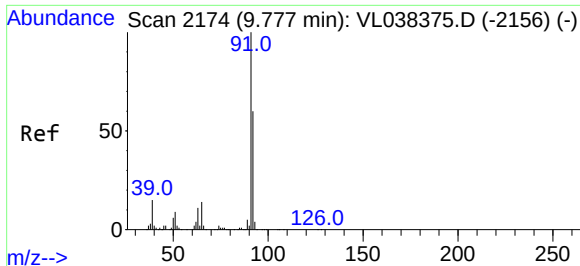


#52  
Tetrachloroethene  
Concen: 1.926 ppbv  
RT: 11.191 min Scan# 2614  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51



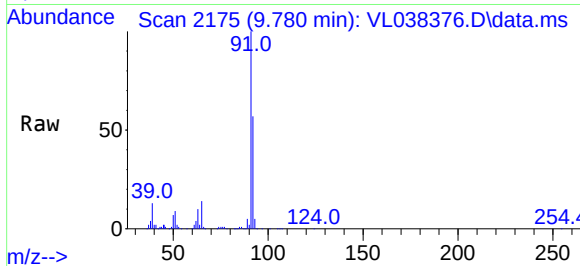
Tgt Ion:164 Resp: 142906  
Ion Ratio Lower Upper  
164 100  
166 116.9 98.6 148.0  
129 106.4 86.9 130.3  
131 107.4 88.6 133.0





#53  
Toluene  
Concen: 2.085 ppbv  
RT: 9.780 min Scan# 2174  
Delta R.T. 0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

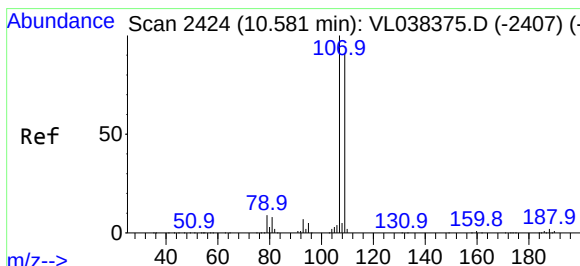
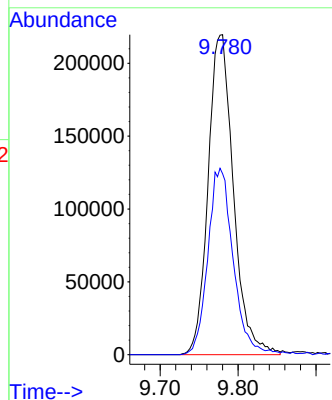
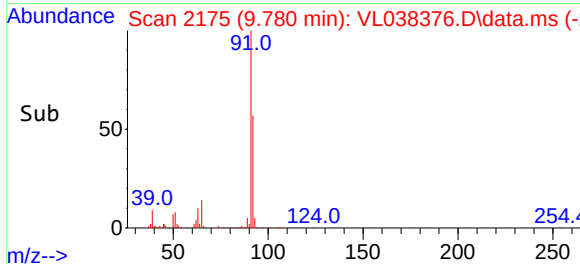
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002



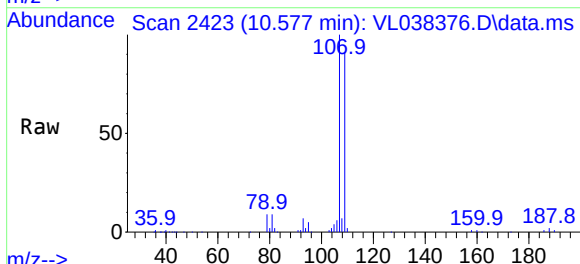
Tgt Ion: 91 Resp: 49634  
Ion Ratio Lower Upper  
91 100  
92 59.1 48.2 72.4

Manual Integrations  
APPROVED

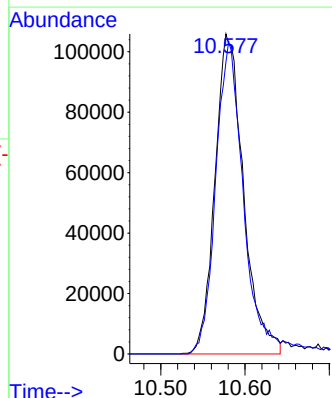
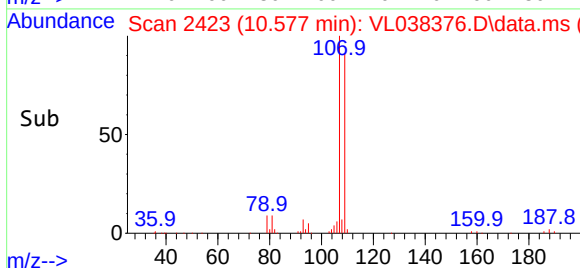
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

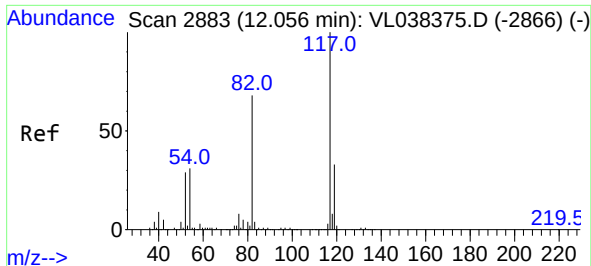


#54  
1,2-Dibromoethane  
Concen: 2.029 ppbv  
RT: 10.577 min Scan# 2423  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51



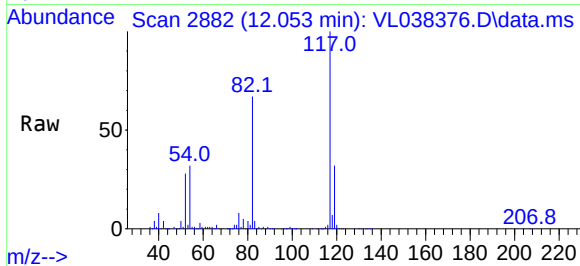
Tgt Ion:107 Resp: 248381  
Ion Ratio Lower Upper  
107 100  
109 91.2 73.0 109.6





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.053 min Scan# 2882  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

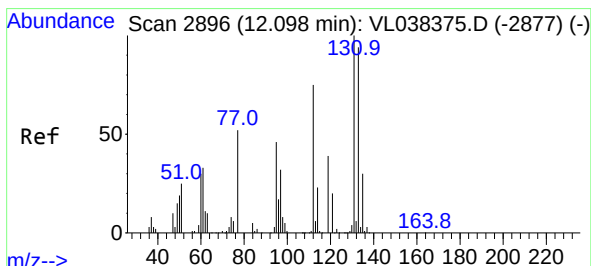
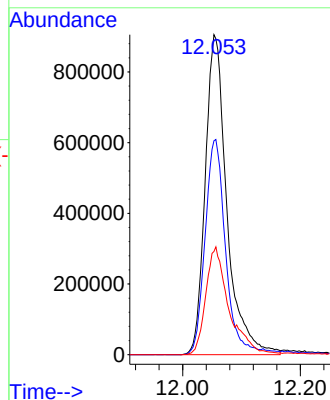
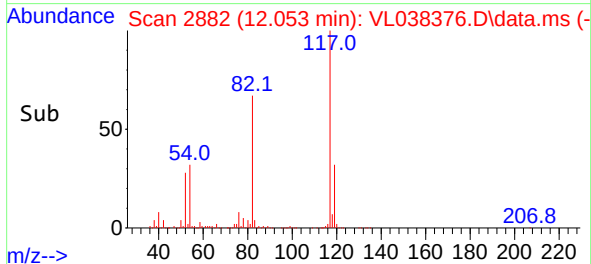
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



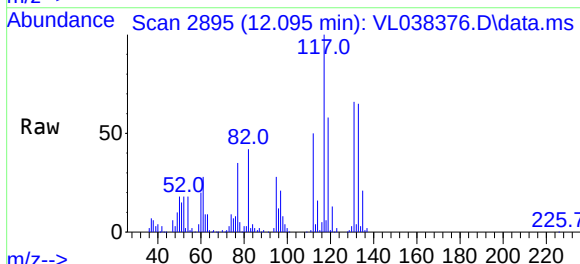
Tgt Ion:117 Resp: 231571  
Ion Ratio Lower Upper  
117 100  
82 66.1 54.9 82.3  
119 36.8 46.1 69.1

Manual Integrations  
APPROVED

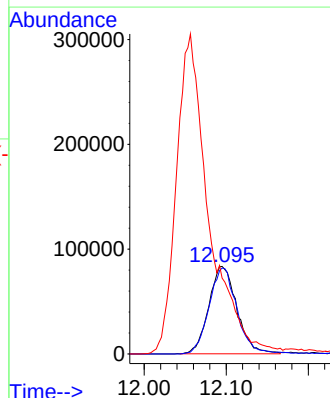
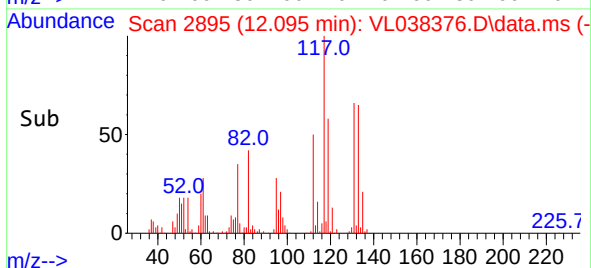
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

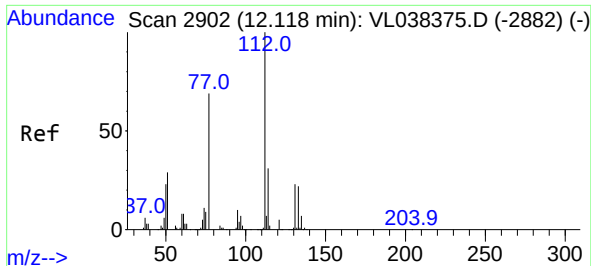


#56  
1,1,1,2-Tetrachloroethane  
Concen: 1.945 ppbv  
RT: 12.095 min Scan# 2895  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51



Tgt Ion:131 Resp: 196967  
Ion Ratio Lower Upper  
131 100  
133 99.9 77.3 115.9  
119 431.4 48.6 73.0





#57

Chlorobenzene

Concen: 1.975 ppbv

RT: 12.111 min Scan# 2900

Delta R.T. -0.006 min

Lab File: VL038376.D

Acq: 22 Feb 2022 4:51

Instrument :

MSVOA\_L

ClientSampleId :

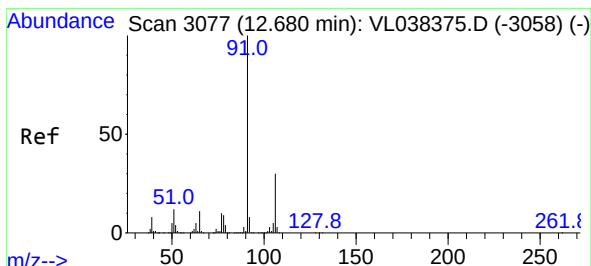
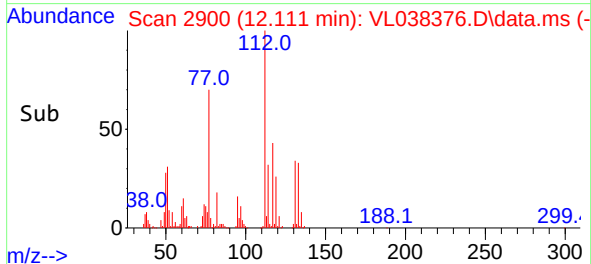
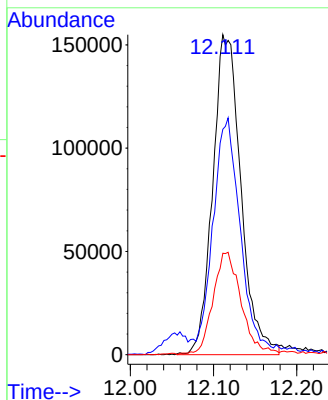
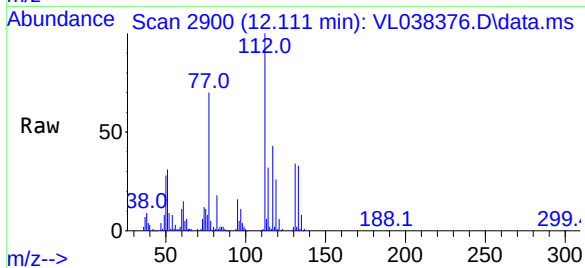
VSTDIC002

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 36454 |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 77        | 70.4  | 55.2  | 82.8  |
| 114       | 31.7  | 27.9  | 34.1  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#58

Ethyl Benzene

Concen: 1.952 ppbv

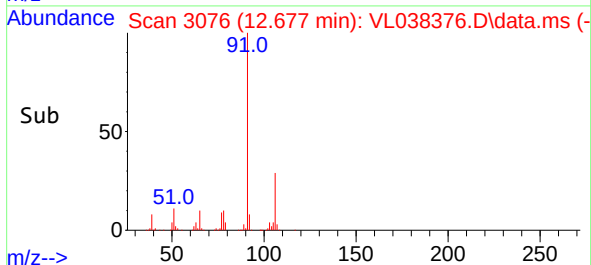
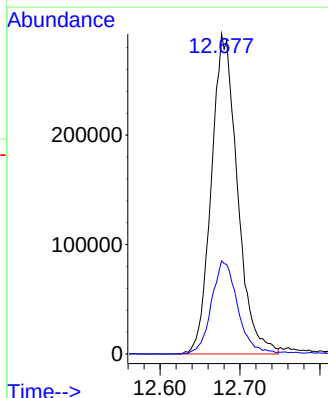
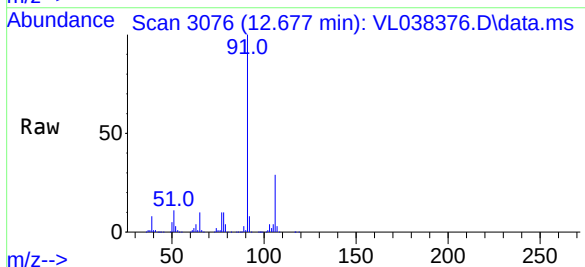
RT: 12.677 min Scan# 3076

Delta R.T. -0.003 min

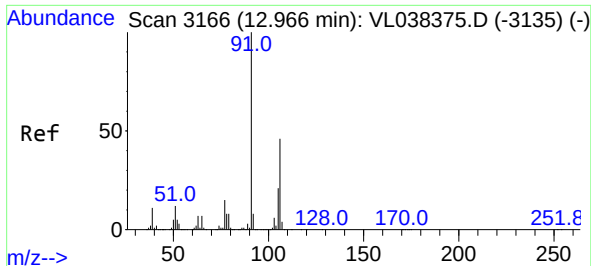
Lab File: VL038376.D

Acq: 22 Feb 2022 4:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 661922 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 106       | 29.1  | 24.0  | 36.0   |

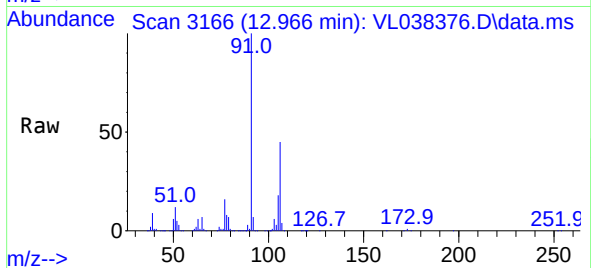






#59  
m/p-Xylene  
Concen: 3.979 ppbv m  
RT: 12.966 min Scan# 3166  
Delta R.T. -0.000 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

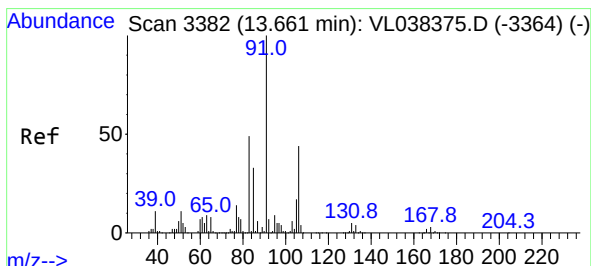
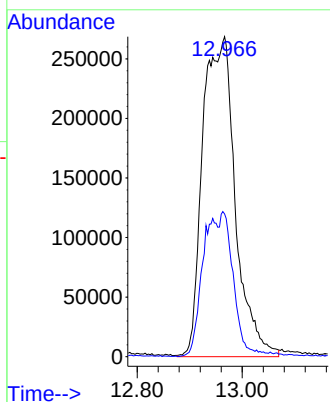
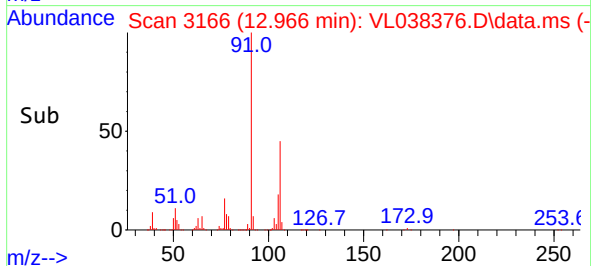
Instrument : MSVOA\_L  
ClientSampleId : VSTDIC002



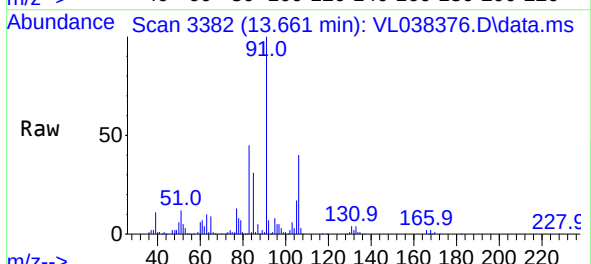
Tgt Ion: 91 Resp: 115455  
Ion Ratio Lower Upper  
91 100  
106 42.3 34.4 51.6

Manual Integrations  
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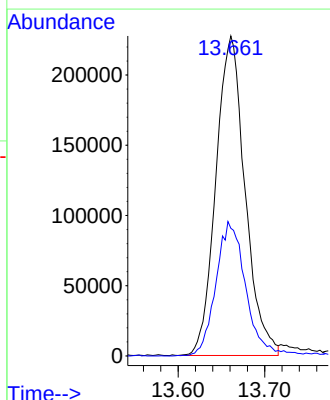
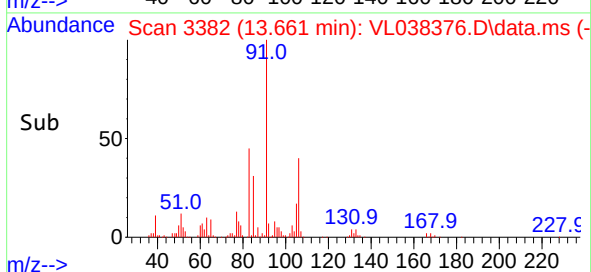
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

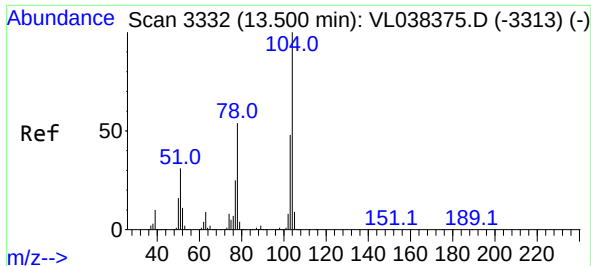


#60  
o-Xylene  
Concen: 1.970 ppbv  
RT: 13.661 min Scan# 3382  
Delta R.T. -0.000 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51



Tgt Ion: 91 Resp: 532766  
Ion Ratio Lower Upper  
91 100  
106 43.6 21.9 65.5





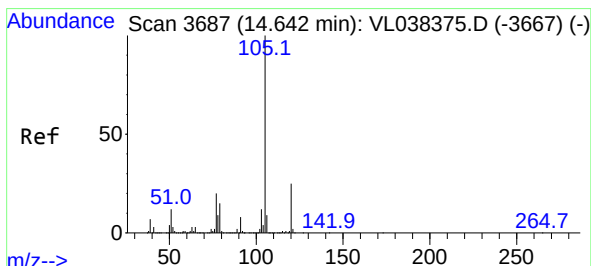
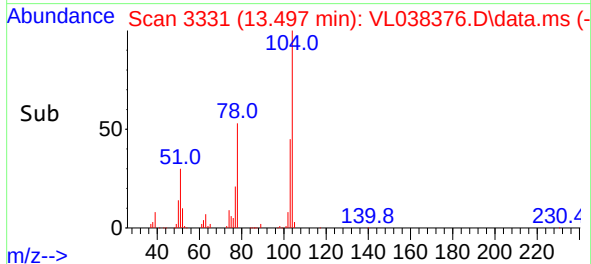
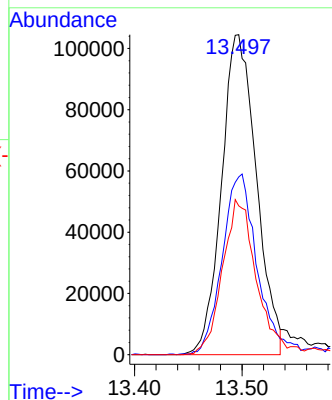
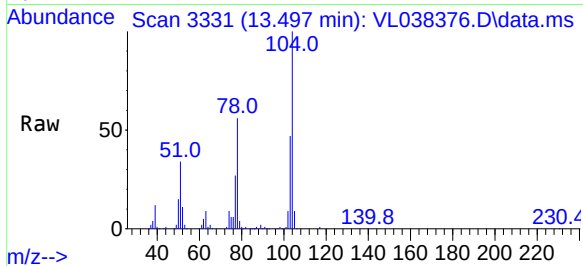
#61  
Styrene  
Concen: 1.872 ppbv  
RT: 13.497 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

Tgt Ion:104 Resp: 23580  
Ion Ratio Lower Upper  
104 100  
78 57.8 44.2 66.4  
103 48.9 38.4 57.6

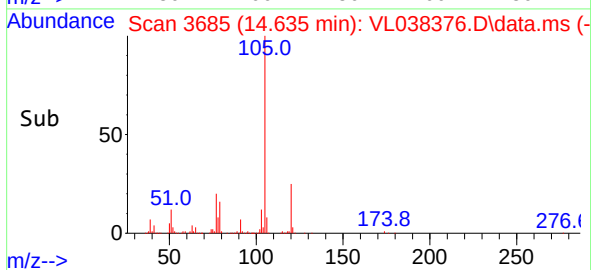
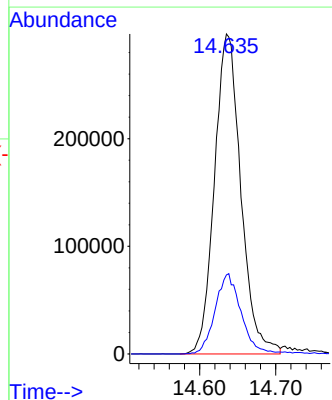
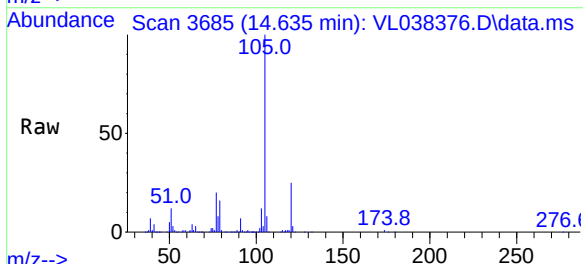
Manual Integrations  
APPROVED

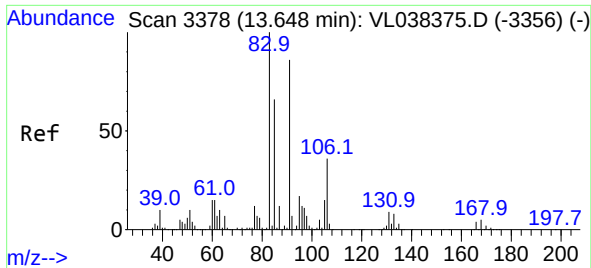
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#62  
Isopropylbenzene  
Concen: 1.984 ppbv  
RT: 14.635 min Scan# 3685  
Delta R.T. -0.006 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

Tgt Ion:105 Resp: 716465  
Ion Ratio Lower Upper  
105 100  
120 25.2 20.6 30.8





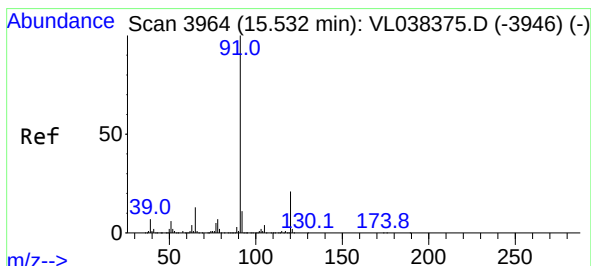
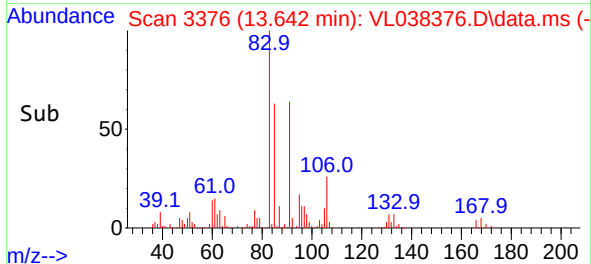
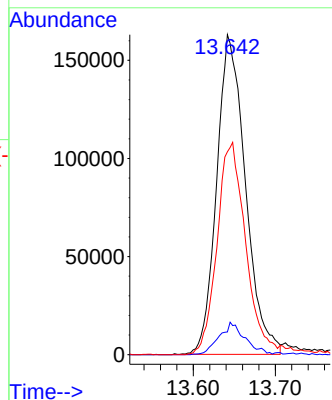
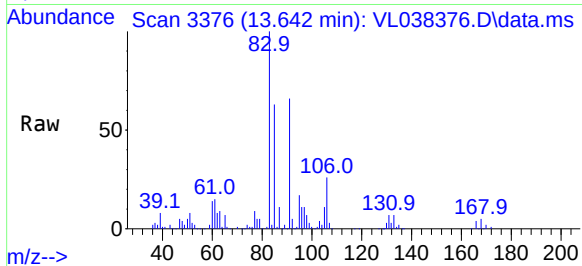
#63  
1,1,2,2-Tetrachloroethane  
Concen: 1.964 ppbv  
RT: 13.642 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

Tgt Ion: 83 Resp: 39722  
Ion Ratio Lower Upper  
83 100  
131 9.5 4.5 13.7  
85 68.8 33.0 99.0

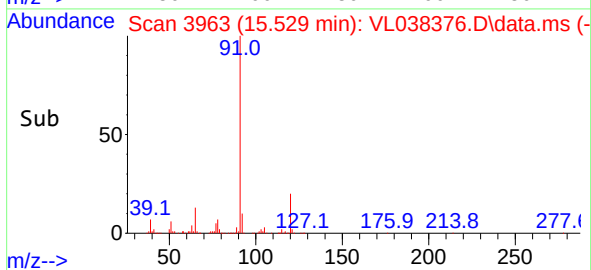
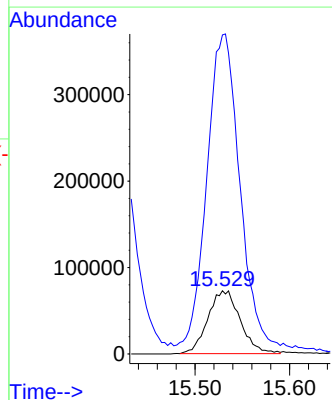
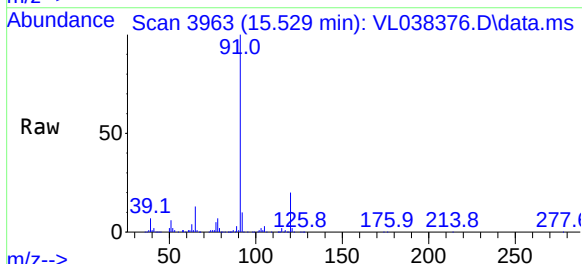
Manual Integrations  
APPROVED

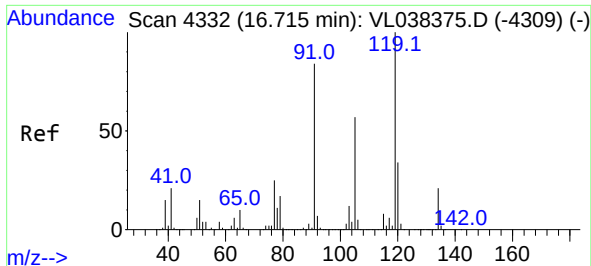
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#64  
n-propylbenzene  
Concen: 1.968 ppbv  
RT: 15.529 min Scan# 3963  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

Tgt Ion:120 Resp: 172438  
Ion Ratio Lower Upper  
120 100  
91 541.3 388.1 582.1





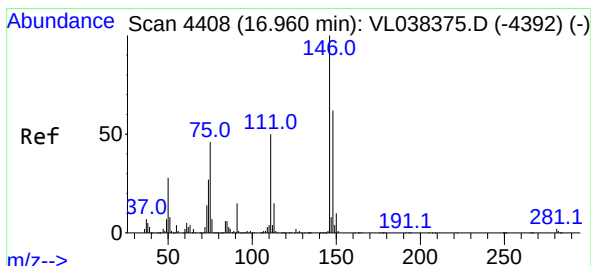
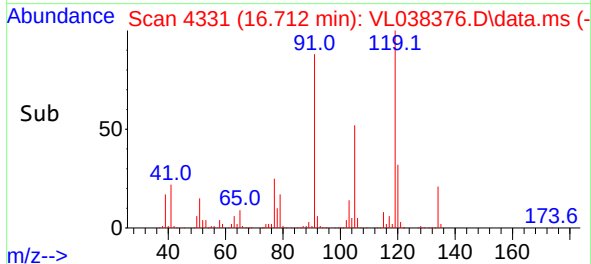
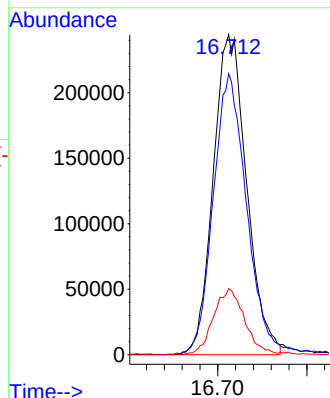
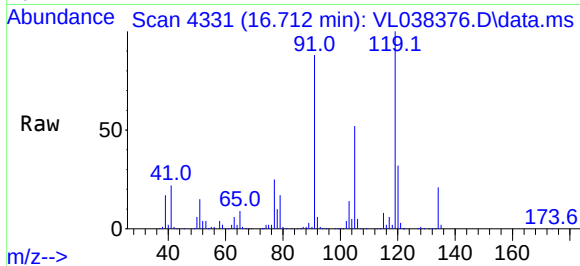
#65  
tert-Butylbenzene  
Concen: 2.109 ppbv  
RT: 16.712 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

Tgt Ion:119 Resp: 63584  
Ion Ratio Lower Upper  
119 100  
91 88.6 68.0 102.0  
134 19.6 15.8 23.8

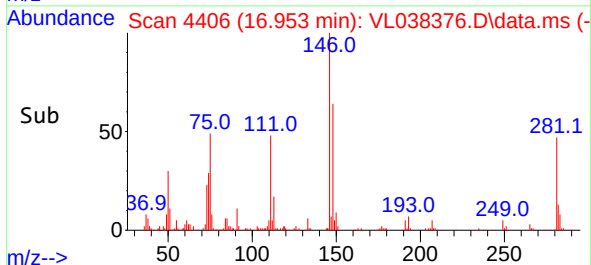
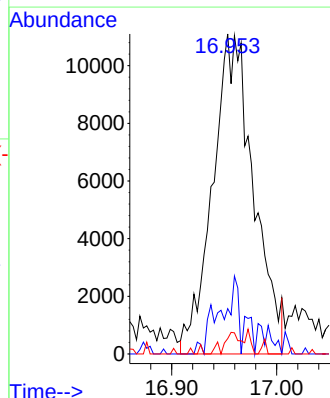
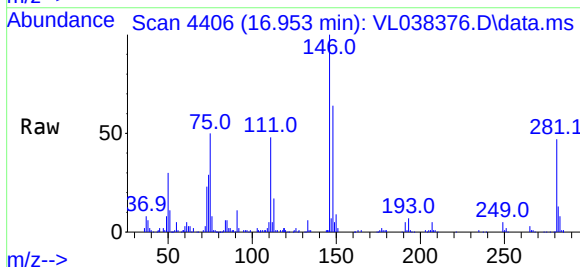
Manual Integrations  
APPROVED

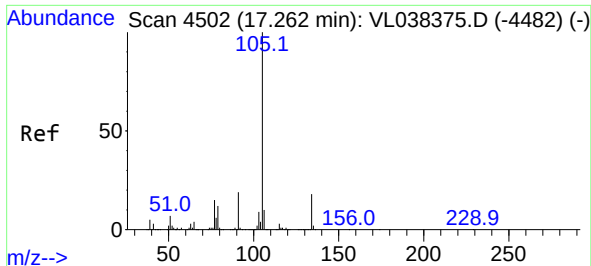
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#66  
Benzyl Chloride  
Concen: 2.127 ppbv m  
RT: 16.953 min Scan# 4406  
Delta R.T. -0.006 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

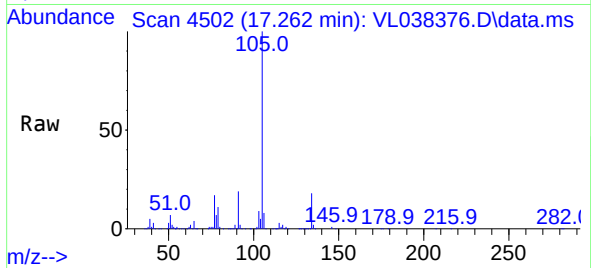
Tgt Ion: 91 Resp: 30102  
Ion Ratio Lower Upper  
91 100  
126 10.8 12.3 18.5#  
128 0.5 4.2 6.4#





#67  
 sec-Butylbenzene  
 Concen: 2.155 ppbv  
 RT: 17.262 min Scan# 41  
 Delta R.T. -0.000 min  
 Lab File: VL038376.D  
 Acq: 22 Feb 2022 4:51

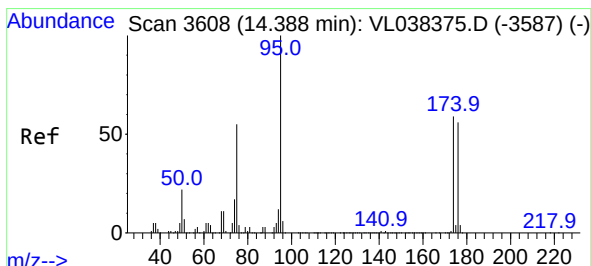
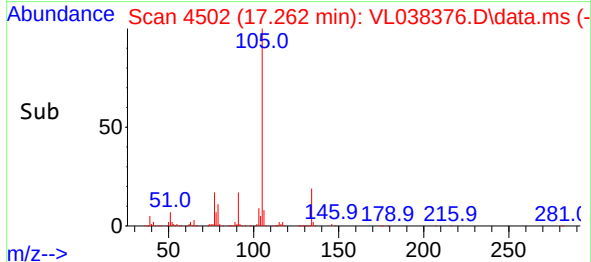
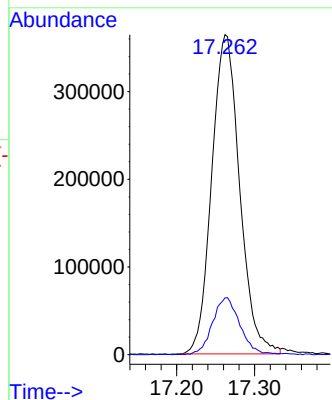
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC002



Tgt Ion: 105 Resp: 906650  
 Ion Ratio Lower Upper  
 105 100  
 134 17.9 14.6 21.8

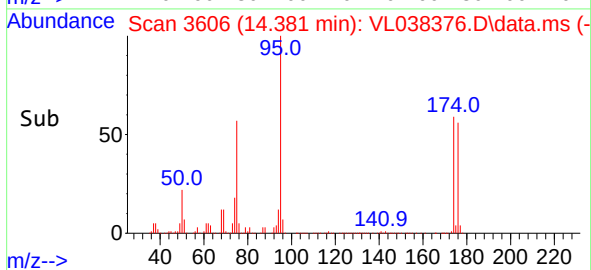
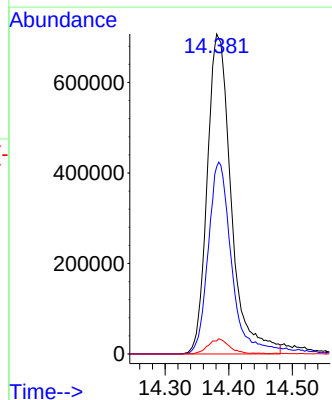
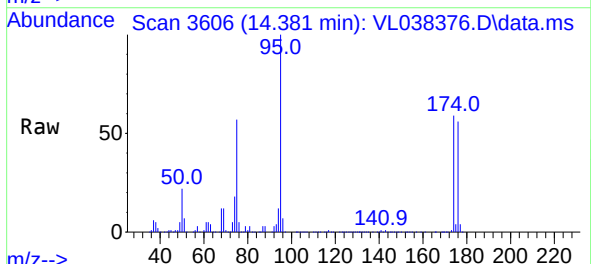
Manual Integrations  
 APPROVED

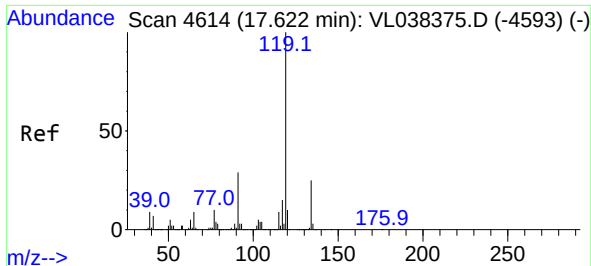
Reviewed By :Semsettin Yesilyurt 02/23/2022  
 Supervised By :Amit Patel 02/23/2022



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.453 ppbv  
 RT: 14.381 min Scan# 3606  
 Delta R.T. -0.006 min  
 Lab File: VL038376.D  
 Acq: 22 Feb 2022 4:51

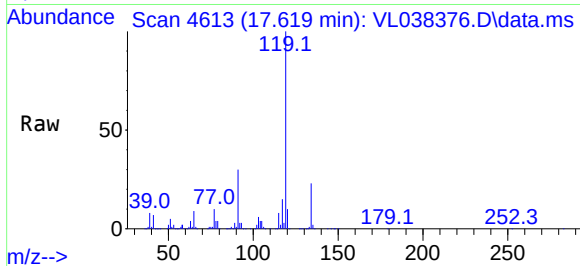
Tgt Ion: 95 Resp: 1851162  
 Ion Ratio Lower Upper  
 95 100  
 174 60.4 49.0 73.4  
 175 4.3 3.6 5.4





#69  
p-Isopropyltoluene  
Concen: 2.187 ppbv  
RT: 17.619 min Scan# 4613  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

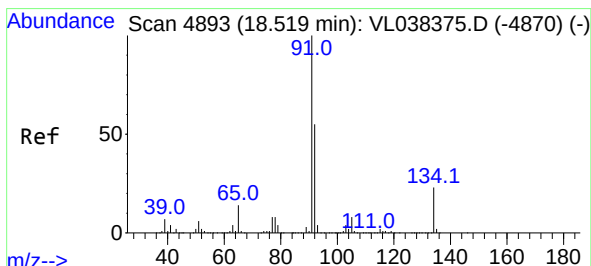
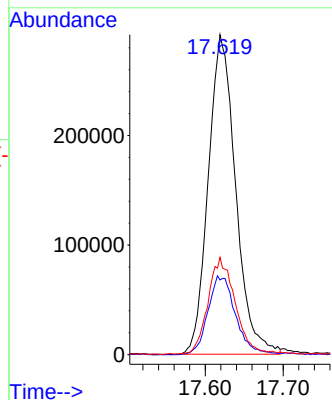
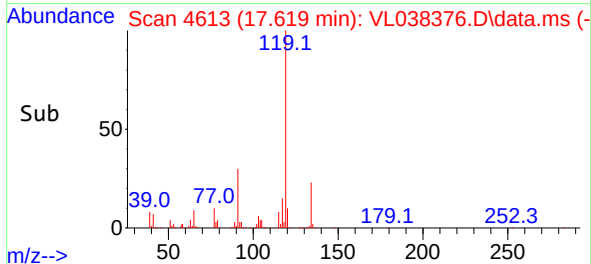
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



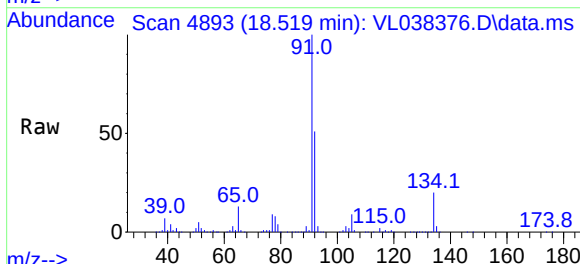
Tgt Ion: 119 Resp: 71159  
Ion Ratio Lower Upper  
119 100  
134 25.1 20.4 30.6  
91 31.0 23.8 35.8

Manual Integrations  
APPROVED

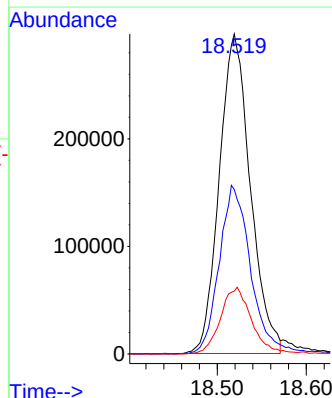
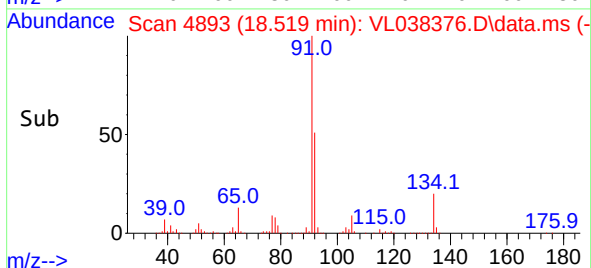
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

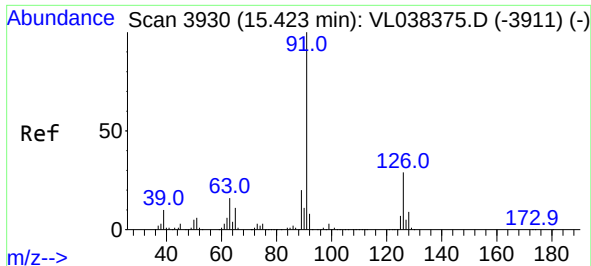


#70  
n-Butylbenzene  
Concen: 2.228 ppbv  
RT: 18.519 min Scan# 4893  
Delta R.T. -0.000 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51



Tgt Ion: 91 Resp: 719887  
Ion Ratio Lower Upper  
91 100  
92 54.2 43.1 64.7  
134 21.2 17.4 26.0





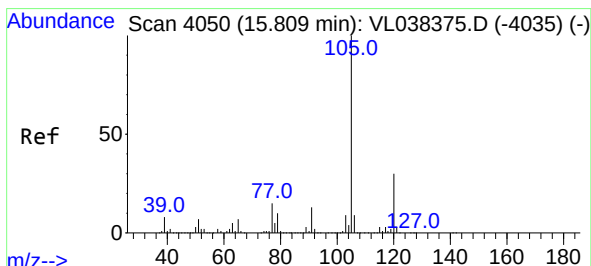
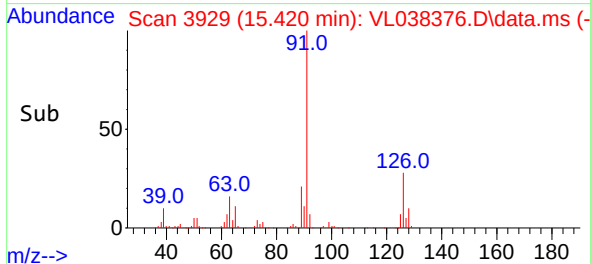
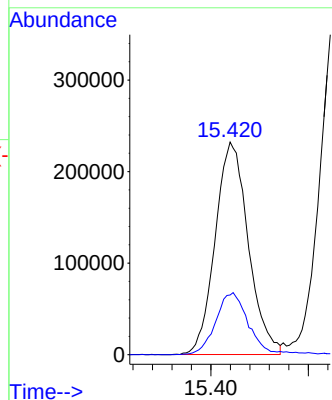
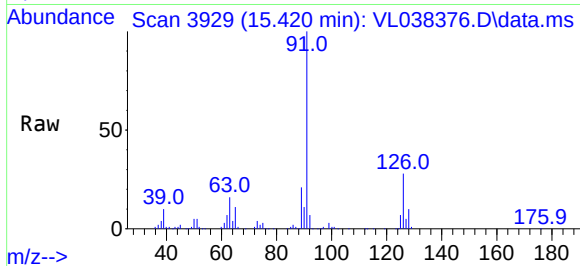
#71  
2-Chlorotoluene  
Concen: 2.026 ppbv  
RT: 15.420 min Scan# 3911  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

Tgt Ion: 91 Resp: 547904  
Ion Ratio Lower Upper  
91 100  
126 29.6 11.9 47.7

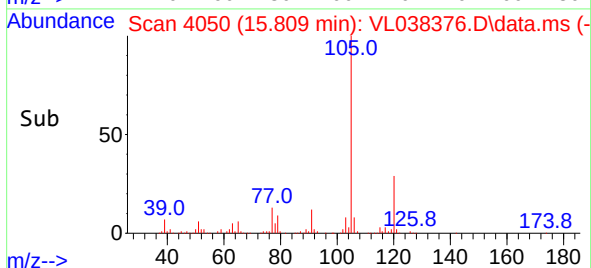
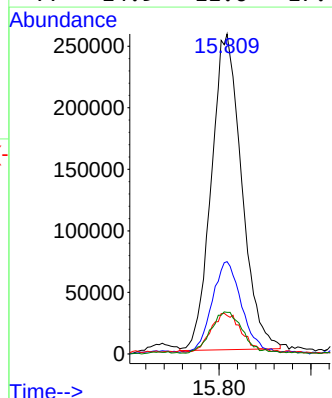
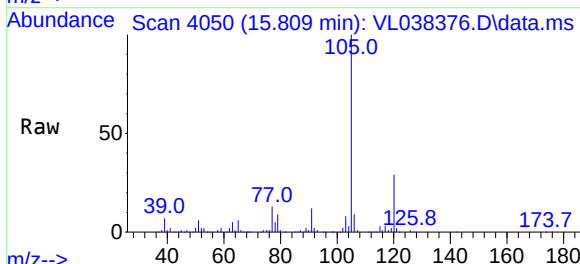
Manual Integrations  
APPROVED

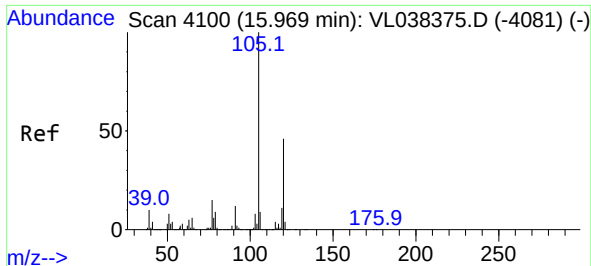
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#72  
4-Ethyltoluene  
Concen: 2.045 ppbv  
RT: 15.809 min Scan# 4050  
Delta R.T. -0.000 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

Tgt Ion:105 Resp: 587299  
Ion Ratio Lower Upper  
105 100  
120 30.0 23.4 35.2  
91 14.1 10.4 15.6  
77 14.9 11.6 17.4





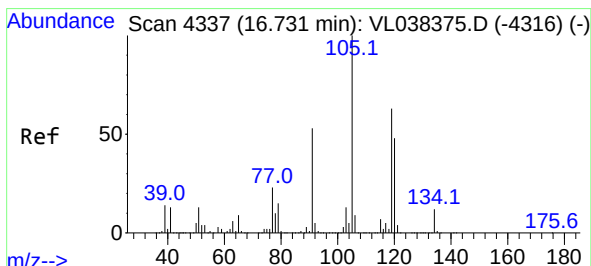
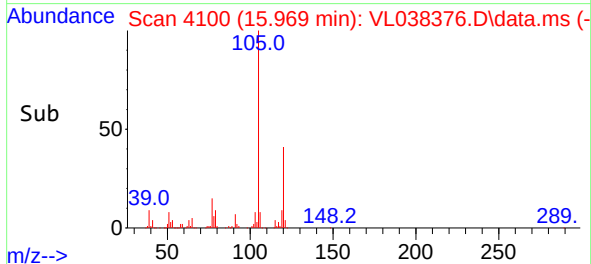
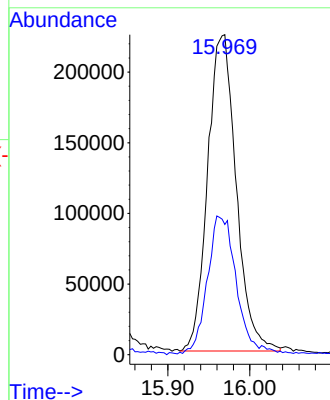
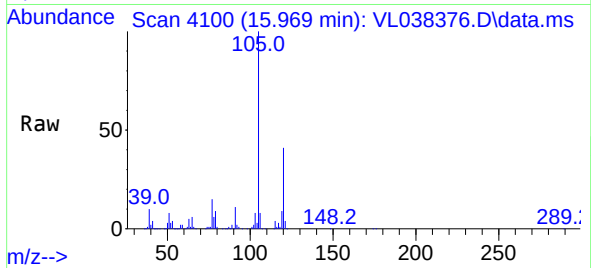
#73  
1,3,5-Trimethylbenzene  
Concen: 2.091 ppbv  
RT: 15.969 min Scan# 4100  
Delta R.T. -0.000 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

Tgt Ion:105 Resp: 54185  
Ion Ratio Lower Upper  
105 100  
120 40.4 36.6 55.0

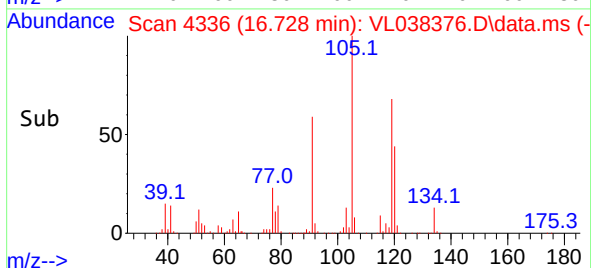
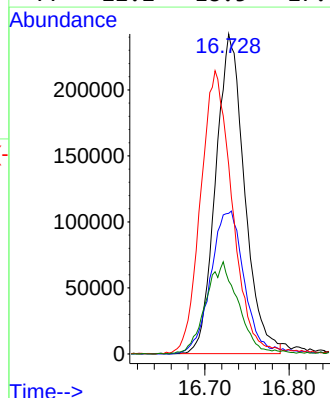
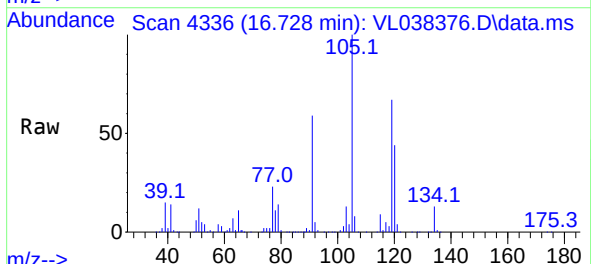
Manual Integrations  
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Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

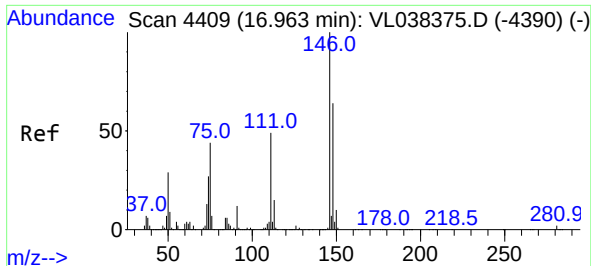


#74  
1,2,4-Trimethylbenzene  
Concen: 2.100 ppbv  
RT: 16.728 min Scan# 4336  
Delta R.T. -0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

Tgt Ion:105 Resp: 575423  
Ion Ratio Lower Upper  
105 100  
120 43.6 38.2 57.4  
91 57.8 42.7 64.1  
77 22.2 18.5 27.7







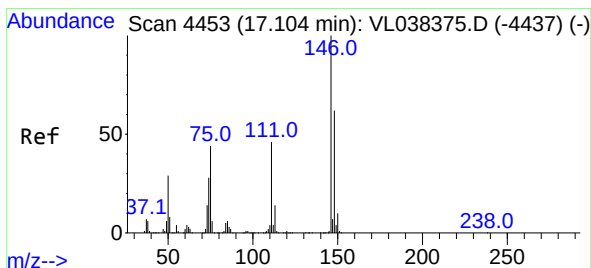
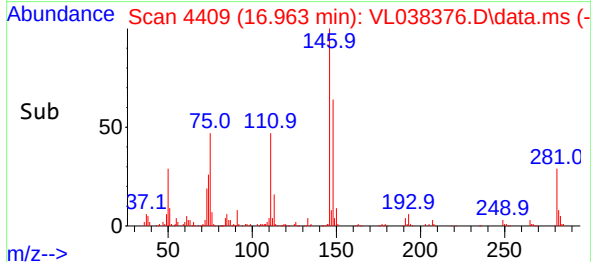
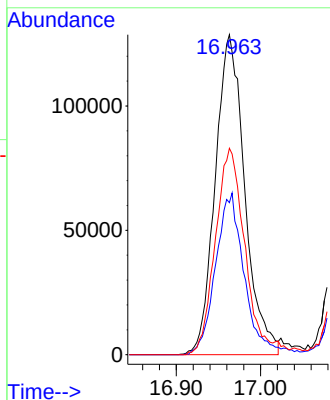
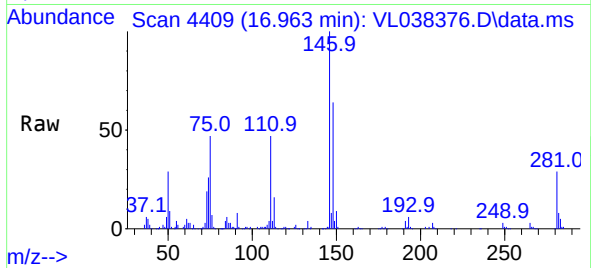
#75  
1,3-Dichlorobenzene  
Concen: 2.108 ppbv  
RT: 16.963 min Scan# 4409  
Delta R.T. -0.000 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

Tgt Ion:146 Resp: 31279  
Ion Ratio Lower Upper  
146 100  
111 49.4 24.3 72.9  
148 65.8 32.0 96.0

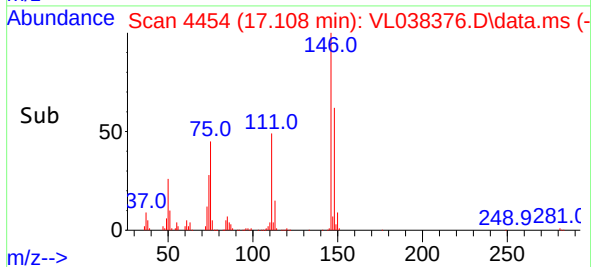
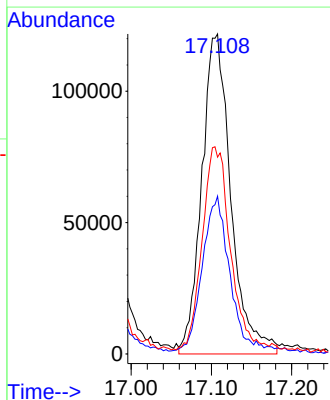
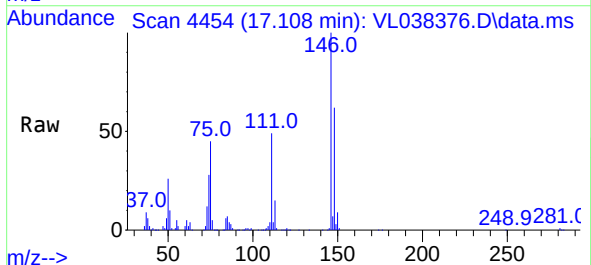
Manual Integrations  
APPROVED

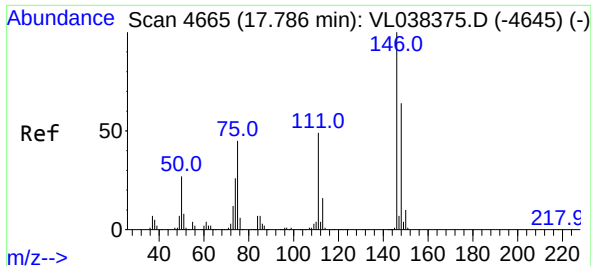
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022



#76  
1,4-Dichlorobenzene  
Concen: 2.147 ppbv m  
RT: 17.108 min Scan# 4454  
Delta R.T. 0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

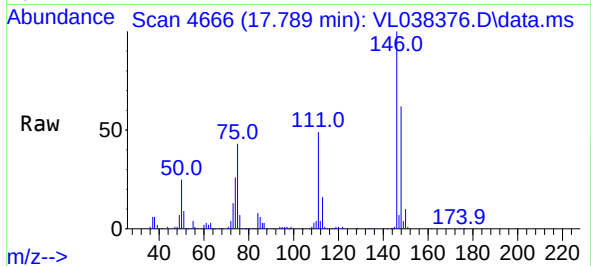
Tgt Ion:146 Resp: 307758  
Ion Ratio Lower Upper  
146 100  
111 47.4 24.1 72.2  
148 66.2 32.8 98.4





#77  
1,2-Dichlorobenzene  
Concen: 2.151 ppbv  
RT: 17.789 min Scan# 4666  
Delta R.T. 0.003 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

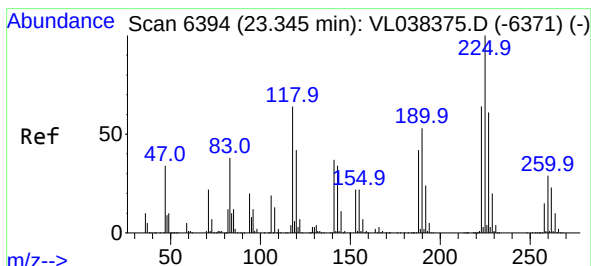
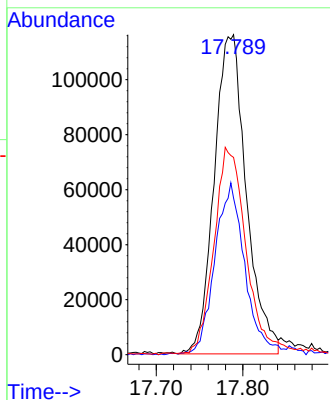
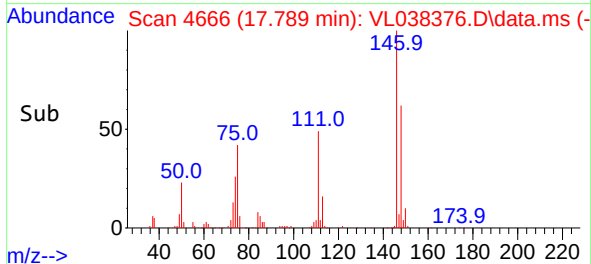
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002



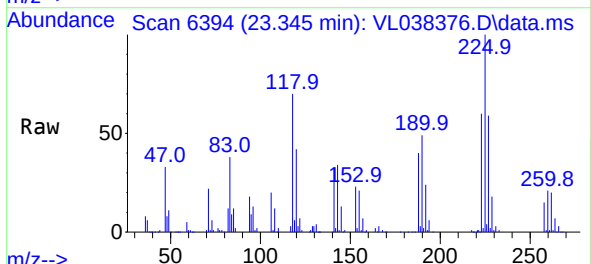
Tgt Ion:146 Resp: 298799  
Ion Ratio Lower Upper  
146 100  
111 52.0 25.6 76.6  
148 66.2 32.4 97.2

Manual Integrations  
APPROVED

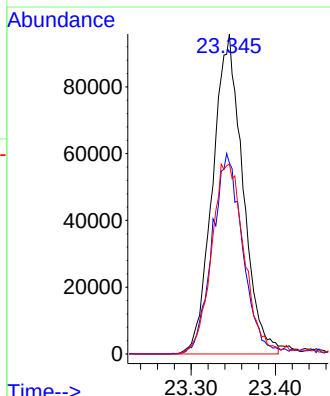
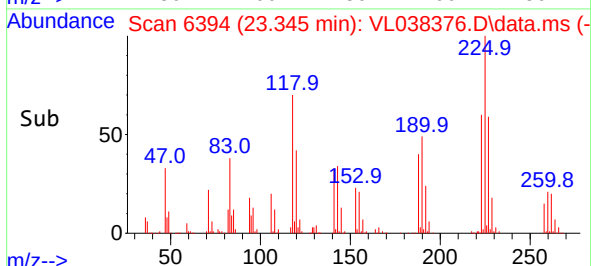
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

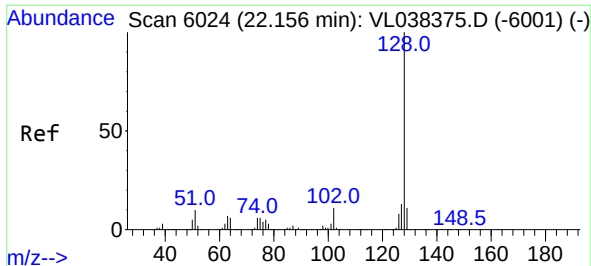


#78  
Hexachloro-1,3-Butadiene  
Concen: 2.453 ppbv  
RT: 23.345 min Scan# 6394  
Delta R.T. -0.000 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51



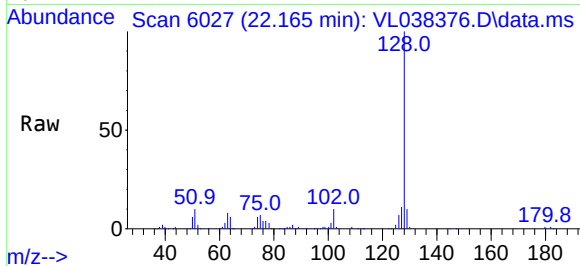
Tgt Ion:225 Resp: 238008  
Ion Ratio Lower Upper  
225 100  
223 64.6 52.0 78.0  
227 64.9 51.6 77.4





#79  
Naphthalene  
Concen: 2.149 ppbv  
RT: 22.165 min Scan# 6027  
Delta R.T. 0.010 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51

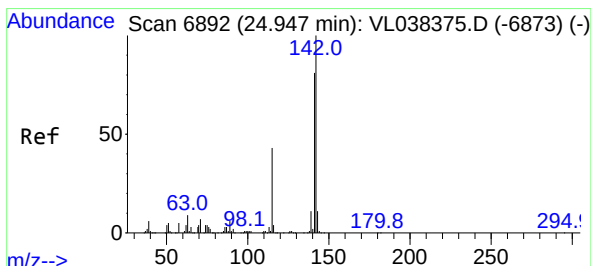
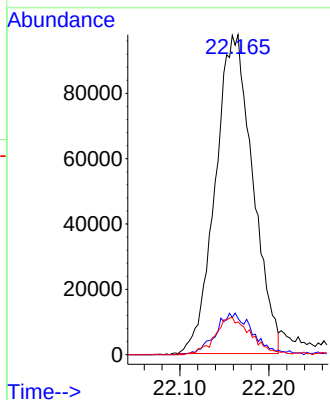
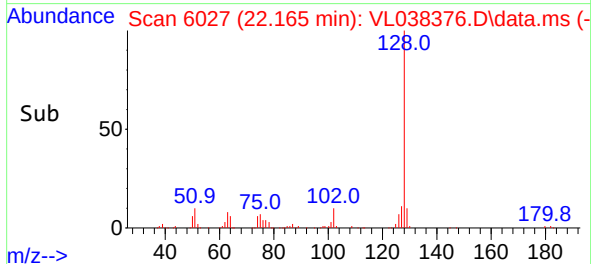
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



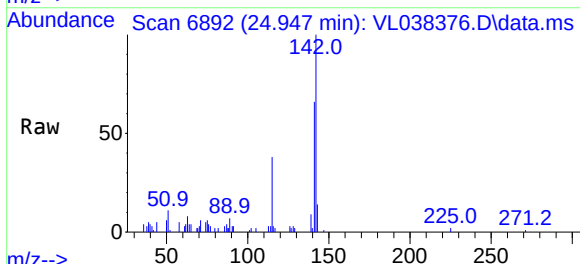
Tgt Ion:128 Resp: 28449  
Ion Ratio Lower Upper  
128 100  
127 11.3 10.7 16.1  
129 10.3 8.8 13.2

Manual Integrations  
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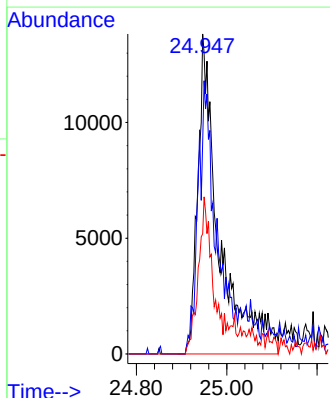
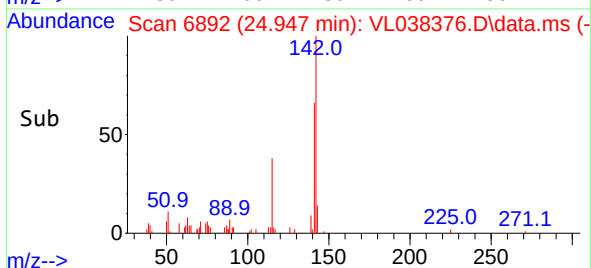
Reviewed By :Semsettin Yesilyurt 02/23/2022  
Supervised By :Amit Patel 02/23/2022

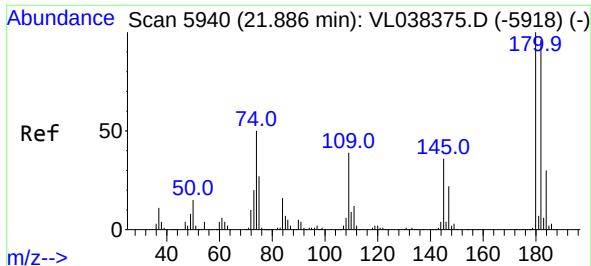


#80  
Naphthalene,2-methyl-  
Concen: 2.700 ppbv  
RT: 24.947 min Scan# 6892  
Delta R.T. -0.000 min  
Lab File: VL038376.D  
Acq: 22 Feb 2022 4:51



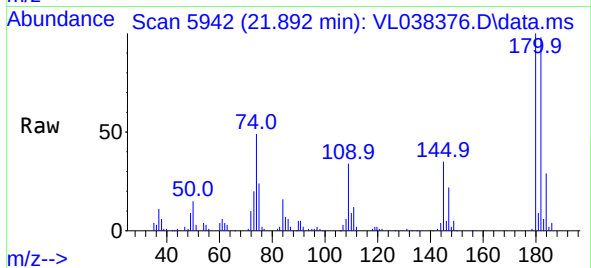
Tgt Ion:142 Resp: 45619  
Ion Ratio Lower Upper  
142 100  
141 83.0 69.8 104.6  
115 34.5 33.0 49.6





#81  
 1,2,4-Trichlorobenzene  
 Concen: 2.259 ppbv  
 RT: 21.892 min Scan# 5942  
 Delta R.T. 0.006 min  
 Lab File: VL038376.D  
 Acq: 22 Feb 2022 4:51

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC002



Tgt Ion:180 Resp: 177079  
 Ion Ratio Lower Upper  
 180 100  
 182 100.0 77.4 116.2  
 184 31.2 24.9 37.3

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022  
 Supervised By :Amit Patel 02/23/2022

