

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL032122\  
 Data File : VL038680.D  
 Acq On : 22 Mar 2022 10:57  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/23/2022  
 Supervised By : Mahesh Dadoda 03/24/2022

Quant Time: Mar 23 03:42:30 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Mar 2

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.652  | 49   | 896774   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.160  | 114  | 2392104  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.063 | 117  | 2210408m | 10.000 | ppbv  | -0.01    |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.391 95 1730822 10.213 ppbv -0.01  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.100%

Target Compounds

|                               |       |     |         |        |      | Qvalue |
|-------------------------------|-------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 3.044 | 85  | 955492  | 7.926  | ppbv | 100    |
| 3) Chlorodifluoromethane      | 2.983 | 51  | 917412  | 9.686  | ppbv | 99     |
| 4) Chloromethane              | 3.134 | 50  | 481226  | 9.254  | ppbv | 99     |
| 5) Vinyl Chloride             | 3.253 | 62  | 475230  | 8.994  | ppbv | 99     |
| 6) Bromomethane               | 3.465 | 94  | 269949  | 9.584  | ppbv | 96     |
| 7) Chloroethane               | 3.552 | 64  | 159392  | 9.112  | ppbv | 96     |
| 8) Dichlorotetrafluoroethane  | 3.182 | 85  | 1096781 | 9.112  | ppbv | 98     |
| 9) Propene                    | 3.005 | 41  | 437943  | 9.577  | ppbv | 99     |
| 10) Heptane                   | 8.102 | 43  | 1095291 | 10.020 | ppbv | 99     |
| 11) Trichlorofluoromethane    | 3.941 | 101 | 974955  | 9.163  | ppbv | 100    |
| 12) 1,1,2-Trichlorotrifluo... | 4.475 | 101 | 738682  | 9.019  | ppbv | 96     |
| 13) Ethanol                   | 3.604 | 45  | 25009m  | 4.958  | ppbv |        |
| 14) Bromoethene               | 3.732 | 108 | 341054  | 9.369  | ppbv | 98     |
| 15) Acetone                   | 3.838 | 43  | 674790  | 8.720  | ppbv | 99     |
| 16) 1,3-Butadiene             | 3.321 | 39  | 418049  | 9.520  | ppbv | 100    |
| 17) tert-Butyl alcohol        | 4.272 | 59  | 699649  | 10.353 | ppbv | 100    |
| 18) 1,1-Dichloroethene        | 4.279 | 96  | 327333  | 8.896  | ppbv | 96     |
| 19) Isopropyl Alcohol         | 3.951 | 45  | 364244  | 8.490  | ppbv | 99     |
| 20) Methylene Chloride        | 4.333 | 84  | 274735  | 8.429  | ppbv | 98     |
| 21) Allyl Chloride            | 4.401 | 41  | 529152  | 9.502  | ppbv | 99     |
| 22) trans-1,2-Dichloroethene  | 4.874 | 96  | 374912  | 9.823  | ppbv | 97     |
| 23) Vinyl Acetate             | 5.057 | 43  | 521826  | 6.964  | ppbv | 99     |
| 24) 1,1-Dichloroethane        | 4.996 | 63  | 677367  | 9.179  | ppbv | 98     |
| 25) Ethyl Acetate             | 5.658 | 43  | 2062865 | 10.590 | ppbv | 99     |
| 26) Hexane                    | 5.674 | 57  | 829726  | 9.515  | ppbv | 91     |
| 27) Carbon Disulfide          | 4.539 | 76  | 851770  | 9.956  | ppbv | 99     |
| 28) Methyl tert-Butyl Ether   | 5.021 | 73  | 622721  | 9.586  | ppbv | 99     |
| 29) Chloroform                | 5.738 | 83  | 1293087 | 9.261  | ppbv | 99     |
| 30) Cyclohexane               | 7.115 | 84  | 717666  | 9.465  | ppbv | 99     |
| 31) cis-1,2-Dichloroethene    | 5.536 | 61  | 798410  | 9.737  | ppbv | 99     |
| 32) 1,1,1-Trichloroethane     | 6.494 | 97  | 1263731 | 9.378  | ppbv | 99     |
| 34) 2-Butanone                | 5.227 | 43  | 787801  | 8.321  | ppbv | 99     |
| 35) Carbon Tetrachloride      | 6.999 | 117 | 1299415 | 9.362  | ppbv | 98     |
| 36) Benzene                   | 6.873 | 78  | 1780651 | 9.645  | ppbv | 99     |
| 37) 1,2-Dichloroethane        | 6.292 | 62  | 899667  | 9.580  | ppbv | 100    |
| 38) Trichloroethene           | 7.819 | 130 | 700214  | 9.054  | ppbv | 99     |
| 39) 1,2-Dichloropropane       | 7.594 | 63  | 680356  | 9.427  | ppbv | 98     |
| 40) 1,4-Dioxane               | 7.812 | 88  | 222740  | 8.887  | ppbv | 78     |
| 41) Tetrahydrofuran           | 6.031 | 42  | 705419  | 10.011 | ppbv | 99     |
| 42) Bromodichloromethane      | 7.774 | 83  | 1402241 | 9.959  | ppbv | 99     |
| 43) Methyl Methacrylate       | 7.996 | 69  | 751965  | 10.971 | ppbv | 99     |
| 44) 2,2,4-Trimethylpentane    | 7.851 | 57  | 2912679 | 9.396  | ppbv | 100    |
| 45) t-1,3-Dichloropropene     | 9.256 | 75  | 788584  | 11.315 | ppbv | 98     |

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 Misc : 400mL/MSVOA\_L  
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Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/23/2022  
 Supervised By : Mahesh Dadoda 03/24/2022

Quant Time: Mar 23 03:42:30 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Mar 23 2022

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.684  | 75   | 996373   | 10.573 | ppbv   | 99       |
| 47) 1,1,2-Trichloroethane     | 9.455  | 97   | 726587   | 9.429  | ppbv   | 98       |
| 48) Dibromochloromethane      | 10.285 | 129  | 1221014  | 10.116 | ppbv   | 100      |
| 49) Bromoform                 | 13.018 | 173  | 1003046  | 10.196 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.722  | 43   | 1768481  | 10.047 | ppbv   | 100      |
| 51) 2-Hexanone                | 10.108 | 43   | 1359080  | 10.749 | ppbv # | 99       |
| 52) Tetrachloroethene         | 11.204 | 164  | 636788   | 9.425  | ppbv   | 97       |
| 53) Toluene                   | 9.783  | 91   | 2016256  | 10.164 | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 10.590 | 107  | 1078994  | 10.255 | ppbv   | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 12.105 | 131  | 892585   | 9.740  | ppbv   | 98       |
| 57) Chlorobenzene             | 12.124 | 112  | 1469344  | 9.217  | ppbv   | 98       |
| 58) Ethyl Benzene             | 12.687 | 91   | 2574350  | 9.962  | ppbv   | 99       |
| 59) m/p-Xylene                | 12.973 | 91   | 4348456m | 19.237 | ppbv   |          |
| 60) o-Xylene                  | 13.671 | 91   | 2072973  | 9.659  | ppbv   | 99       |
| 61) Styrene                   | 13.503 | 104  | 1277714  | 10.978 | ppbv   | 100      |
| 62) Isopropylbenzene          | 14.645 | 105  | 3182832  | 9.865  | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.655 | 83   | 1458497  | 8.773  | ppbv   | 99       |
| 64) n-propylbenzene           | 15.542 | 120  | 848405   | 10.021 | ppbv   | 96       |
| 65) tert-Butylbenzene         | 16.722 | 119  | 2789780  | 9.622  | ppbv   | 100      |
| 66) Benzyl Chloride           | 16.966 | 91   | 580409   | 10.573 | ppbv   | 99       |
| 67) sec-Butylbenzene          | 17.272 | 105  | 3996088  | 9.638  | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 17.632 | 119  | 3278262  | 9.688  | ppbv   | 100      |
| 70) n-Butylbenzene            | 18.529 | 91   | 3374149  | 9.667  | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 15.429 | 91   | 2373271  | 9.910  | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 15.818 | 105  | 2541005  | 10.029 | ppbv   | 98       |
| 73) 1,3,5-Trimethylbenzene    | 15.976 | 105  | 2205036  | 9.551  | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 16.741 | 105  | 2303169  | 9.159  | ppbv   | 97       |
| 75) 1,3-Dichlorobenzene       | 16.973 | 146  | 1423450  | 8.887  | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 17.114 | 146  | 1403455  | 8.811  | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 17.793 | 146  | 1384078  | 8.723  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 23.352 | 225  | 1009807  | 6.886  | ppbv   | 99       |
| 79) Naphthalene               | 22.165 | 128  | 1835930  | 9.556  | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 24.950 | 142  | 468926   | 9.102  | ppbv   | 99       |
| 81) 1,2,4-Trichlorobenzene    | 21.899 | 180  | 1048027  | 7.969  | ppbv   | 99       |

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

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Sample : VSTDCCC010  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Manual Integrations  
APPROVED

Reviewed By : Semsettin Yesilyurt 03/23/2022  
Supervised By : Mahesh Dadoda 03/24/2022

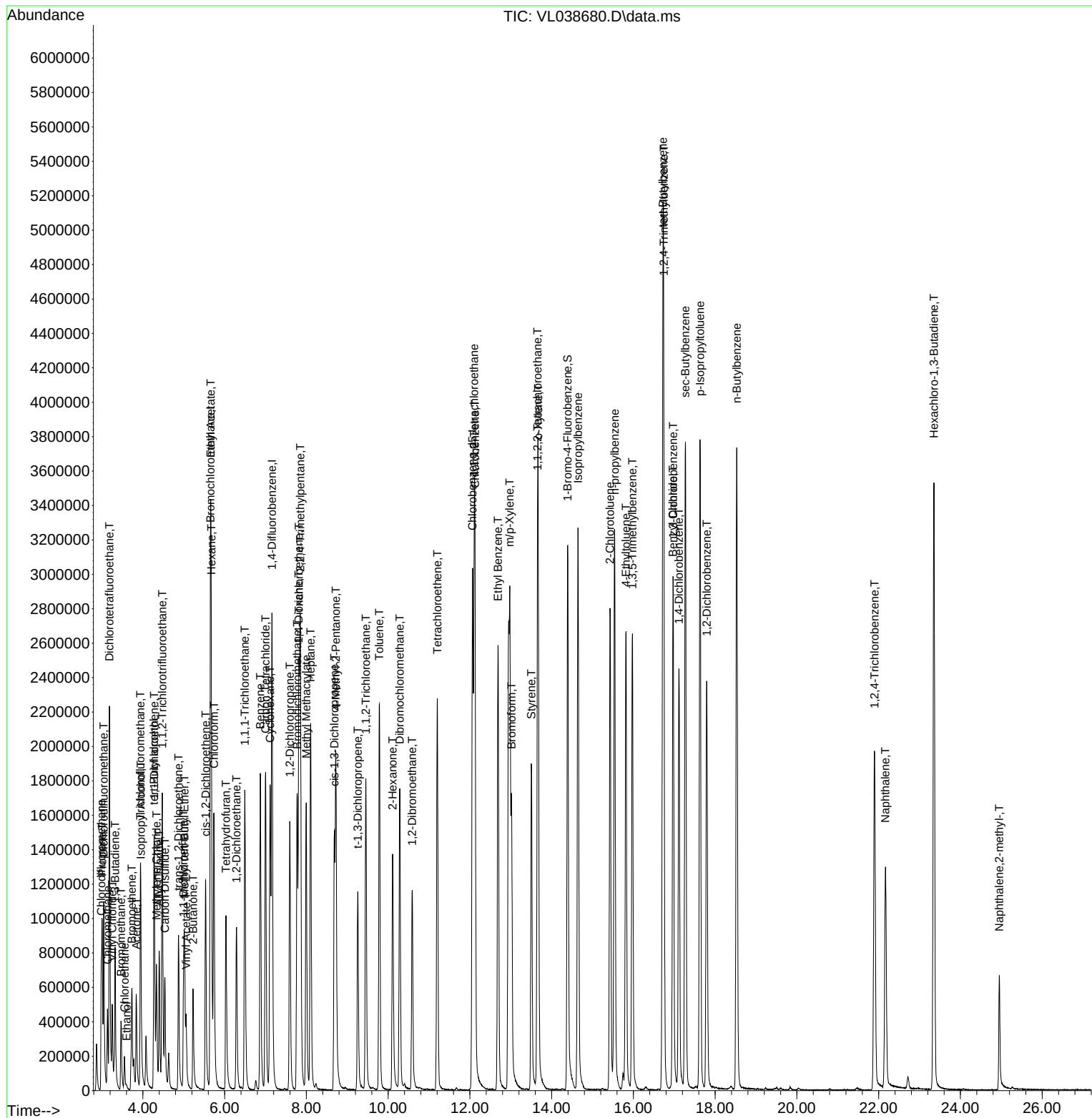
Quant Time: Mar 23 03:42:30 2022

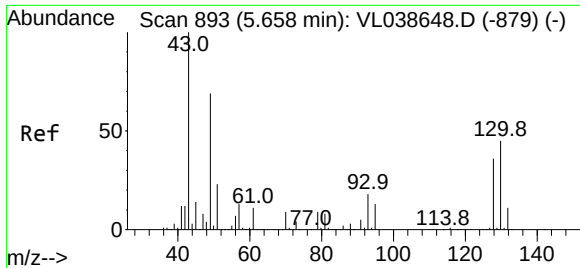
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Mar

QLast Update : Mon Mar 21 17:09:26 2022

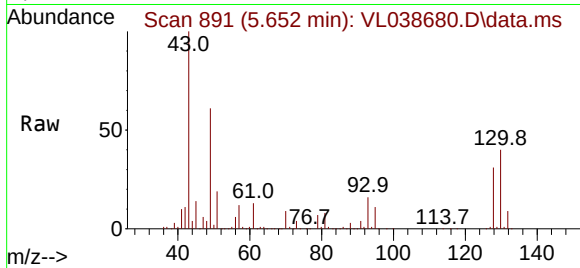
Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.652 min Scan# 89  
Delta R.T. -0.006 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

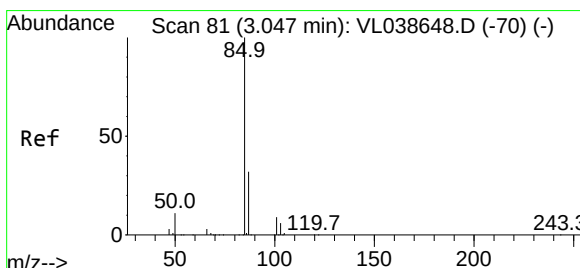
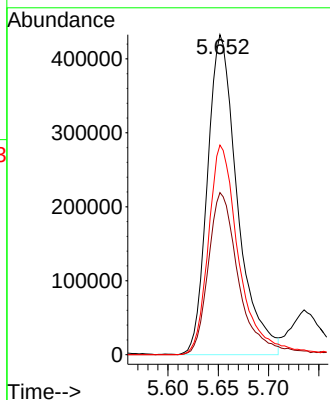
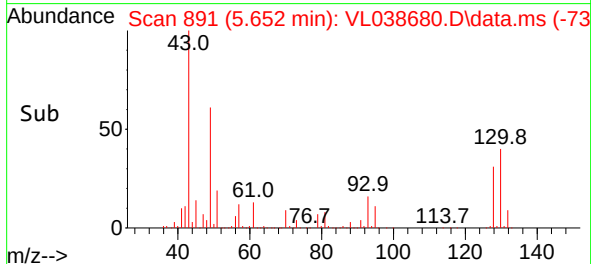
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 49 Resp: 896774  
Ion Ratio Lower Upper  
49 100  
128 52.6 26.2 78.6  
130 67.8 33.7 101.1

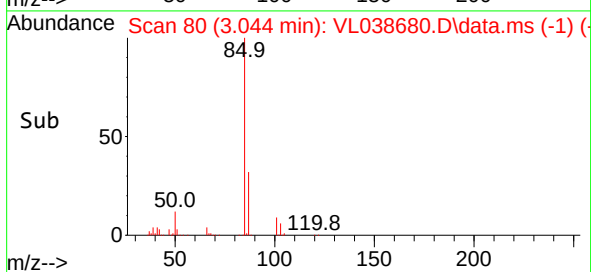
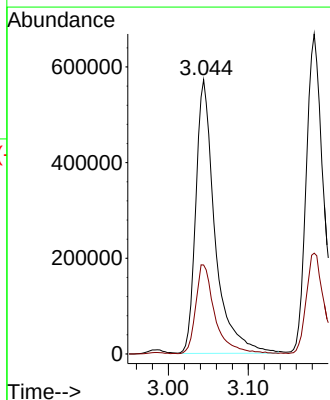
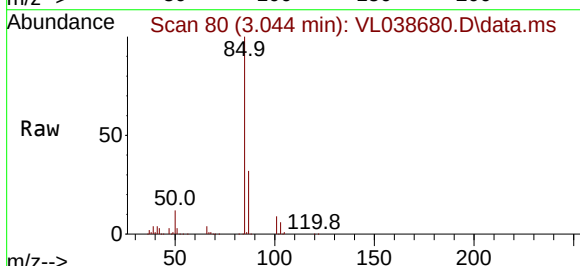
Manual Integrations  
APPROVED

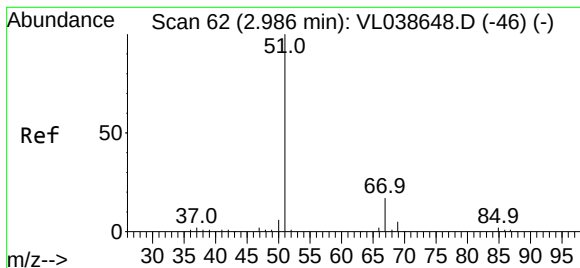
Reviewed By :Semsettin Yesilyurt 03/23/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#2  
Dichlorodifluoromethane  
Concen: 7.926 ppbv  
RT: 3.044 min Scan# 80  
Delta R.T. -0.003 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

Tgt Ion: 85 Resp: 955492  
Ion Ratio Lower Upper  
85 100  
87 32.4 26.0 39.0





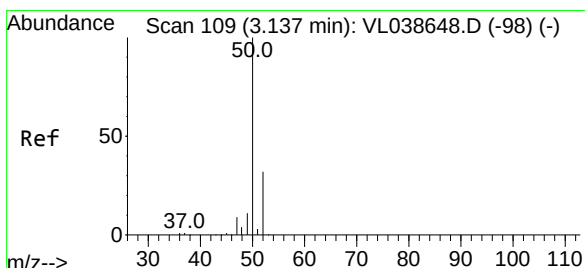
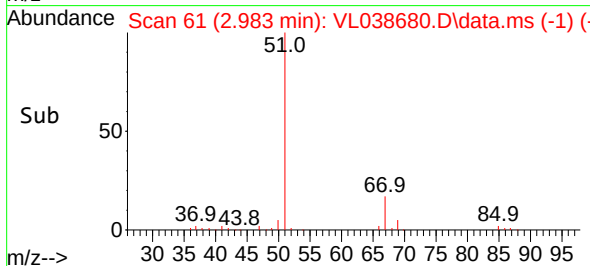
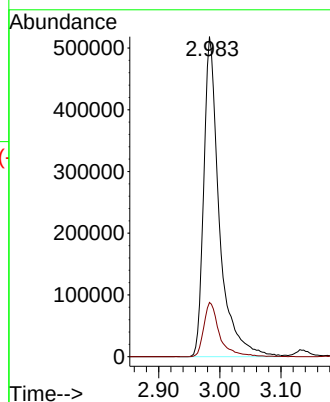
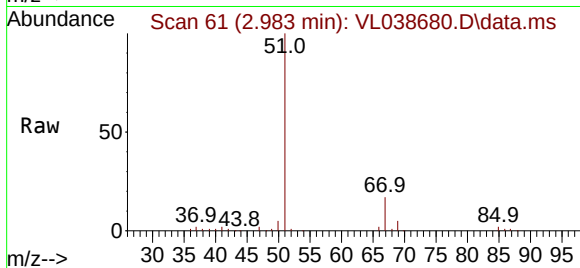
#3  
Chlorodifluoromethane  
Concen: 9.686 ppbv  
RT: 2.983 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 51 Resp: 91741  
Ion Ratio Lower Upper  
51 100  
67 17.2 14.1 21.1

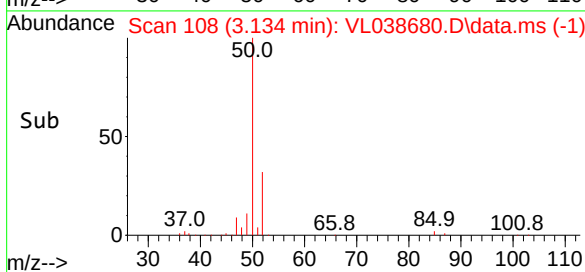
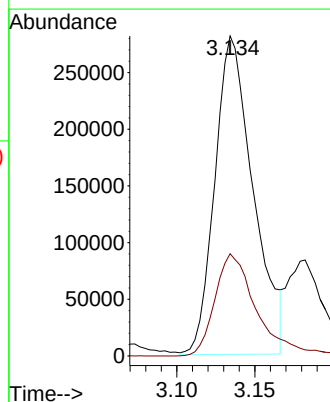
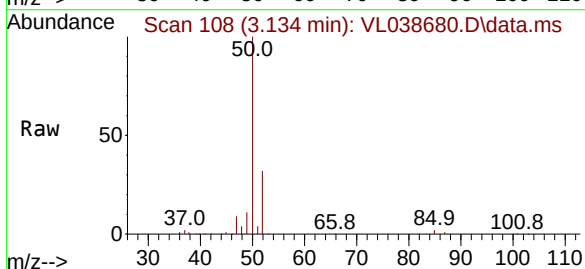
Manual Integrations  
APPROVED

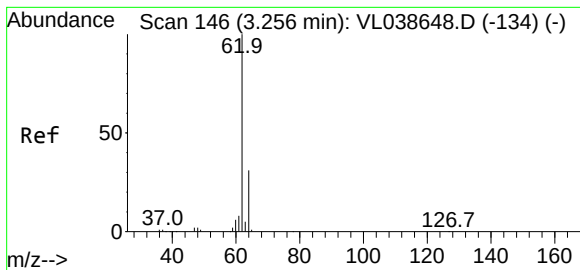
Reviewed By :Semsettin Yesilyurt 03/23/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#4  
Chloromethane  
Concen: 9.254 ppbv  
RT: 3.134 min Scan# 108  
Delta R.T. -0.003 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

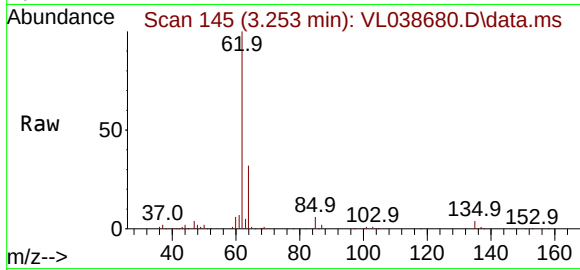
Tgt Ion: 50 Resp: 481226  
Ion Ratio Lower Upper  
50 100  
52 32.2 25.5 38.3





#5  
 Vinyl Chloride  
 Concen: 8.994 ppbv  
 RT: 3.253 min Scan# 146  
 Delta R.T. -0.003 min  
 Lab File: VL038680.D  
 Acq: 22 Mar 2022 10:57

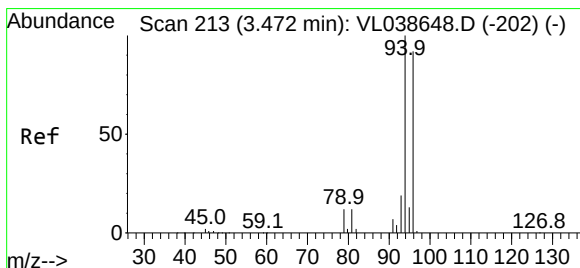
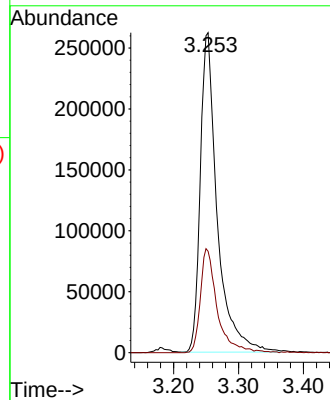
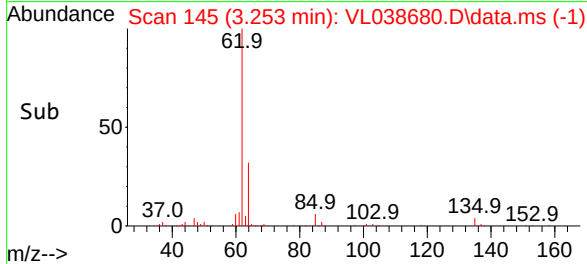
Instrument :  
 MSVOA\_L  
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 VSTDCCC010EC



Tgt Ion: 62 Resp: 475230  
 Ion Ratio Lower Upper  
 62 100  
 64 31.8 25.0 37.4

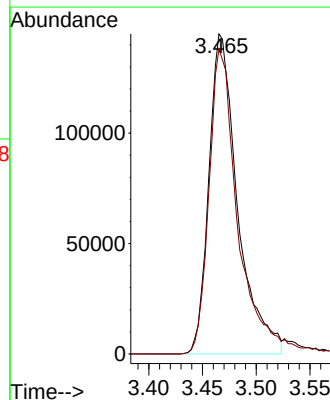
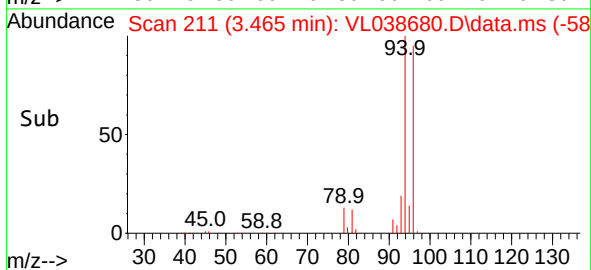
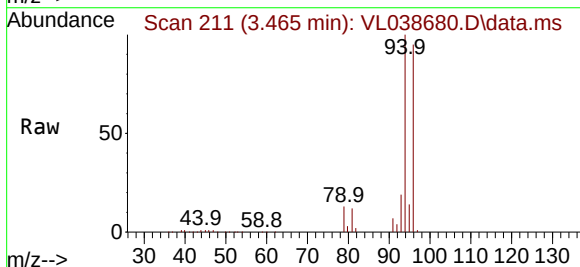
Manual Integrations  
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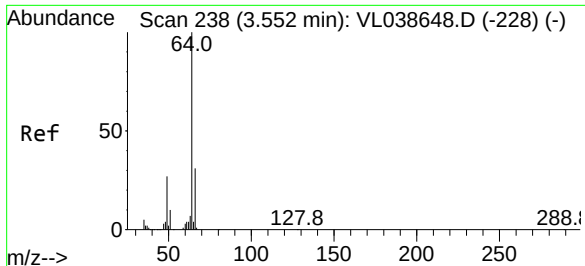
Reviewed By :Semsettin Yesilyurt 03/23/2022  
 Supervised By :Mahesh Dadoda 03/24/2022



#6  
 Bromomethane  
 Concen: 9.584 ppbv  
 RT: 3.465 min Scan# 211  
 Delta R.T. -0.006 min  
 Lab File: VL038680.D  
 Acq: 22 Mar 2022 10:57

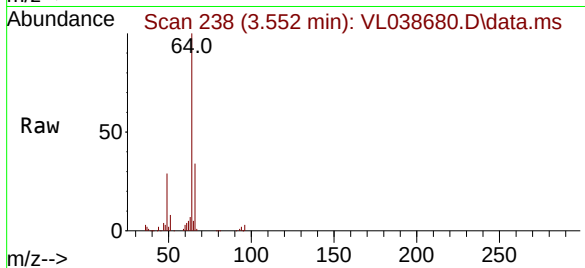
Tgt Ion: 94 Resp: 269949  
 Ion Ratio Lower Upper  
 94 100  
 96 95.3 73.3 109.9





#7  
Chloroethane  
Concen: 9.112 ppbv  
RT: 3.552 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

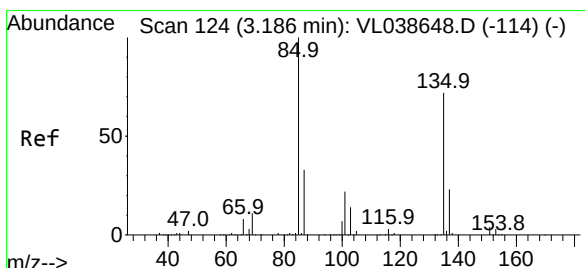
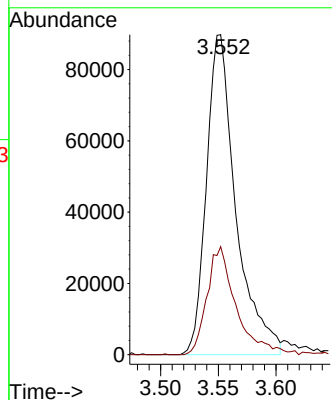
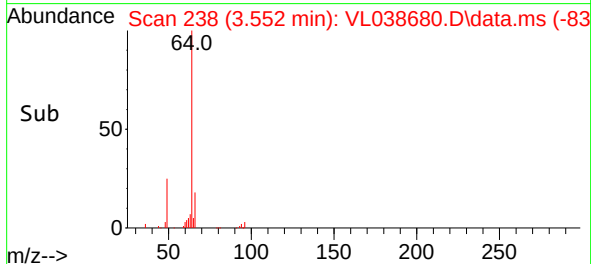
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



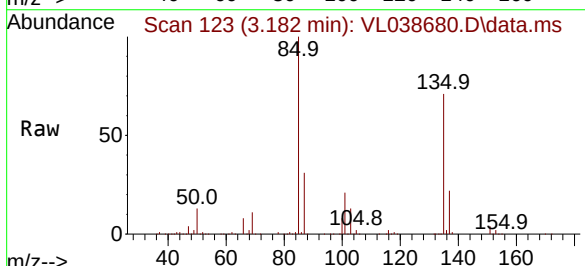
Tgt Ion: 64 Resp: 159392  
Ion Ratio Lower Upper  
64 100  
66 33.8 25.0 37.6

Manual Integrations  
APPROVED

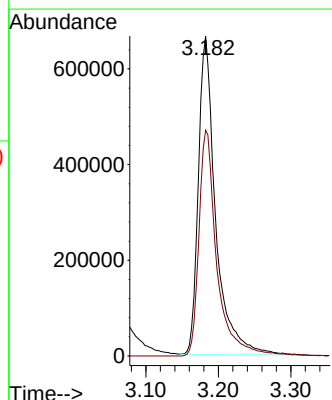
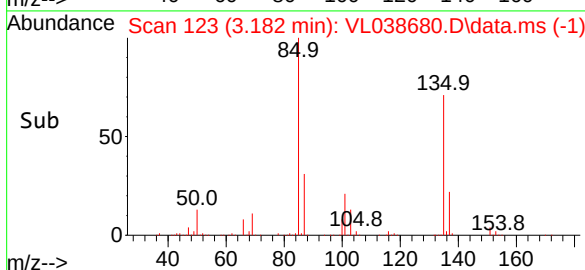
Reviewed By :Semsettin Yesilyurt 03/23/2022  
Supervised By :Mahesh Dadoda 03/24/2022

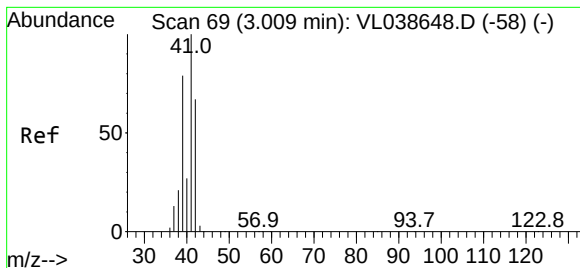


#8  
Dichlorotetrafluoroethane  
Concen: 9.112 ppbv  
RT: 3.182 min Scan# 123  
Delta R.T. -0.003 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57



Tgt Ion: 85 Resp: 1096781  
Ion Ratio Lower Upper  
85 100  
135 73.9 57.8 86.6





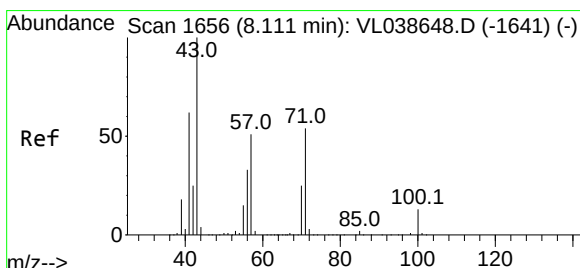
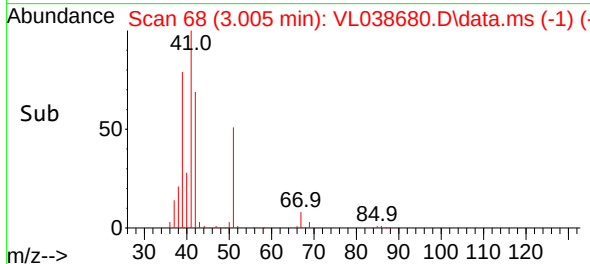
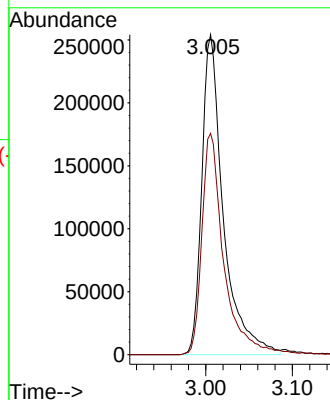
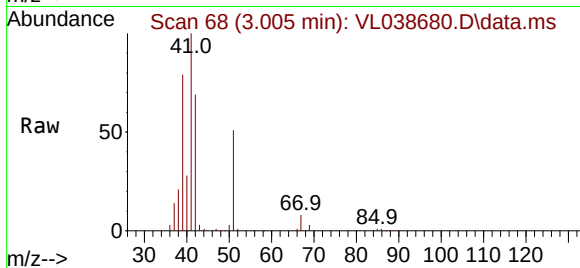
#9  
 Propene  
 Concen: 9.577 ppbv  
 RT: 3.005 min Scan# 61  
 Delta R.T. -0.003 min  
 Lab File: VL038680.D  
 Acq: 22 Mar 2022 10:57

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Tgt Ion: 41 Resp: 43794  
 Ion Ratio Lower Upper  
 41 100  
 42 70.8 56.2 84.4

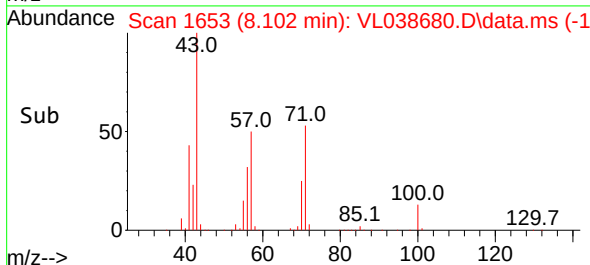
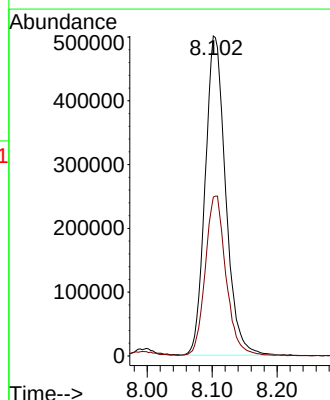
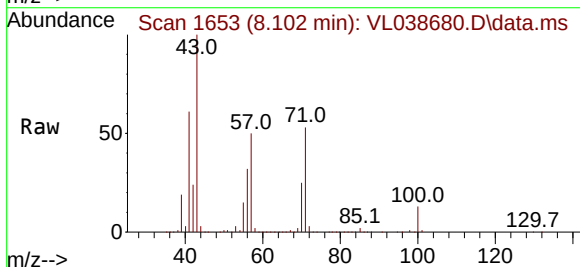
Manual Integrations  
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Reviewed By :Semsettin Yesilyurt 03/23/2022  
 Supervised By :Mahesh Dadoda 03/24/2022

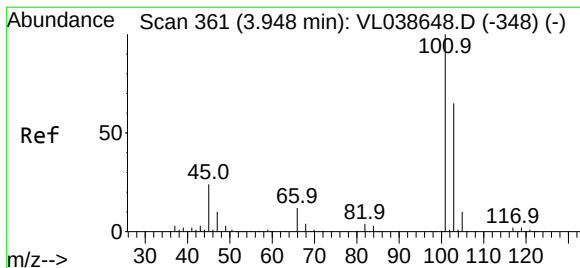


#10  
 Heptane  
 Concen: 10.020 ppbv  
 RT: 8.102 min Scan# 1653  
 Delta R.T. -0.010 min  
 Lab File: VL038680.D  
 Acq: 22 Mar 2022 10:57

Tgt Ion: 43 Resp: 1095291  
 Ion Ratio Lower Upper  
 43 100  
 57 51.0 41.4 62.2

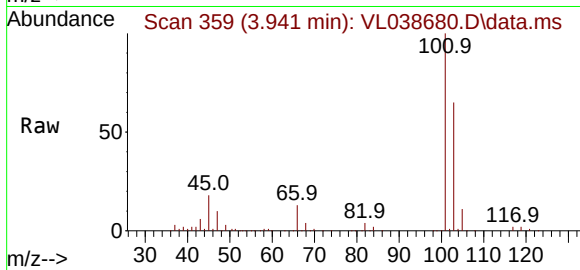






#11  
 Trichlorofluoromethane  
 Concen: 9.163 ppbv  
 RT: 3.941 min Scan# 311  
 Delta R.T. -0.006 min  
 Lab File: VL038680.D  
 Acq: 22 Mar 2022 10:57

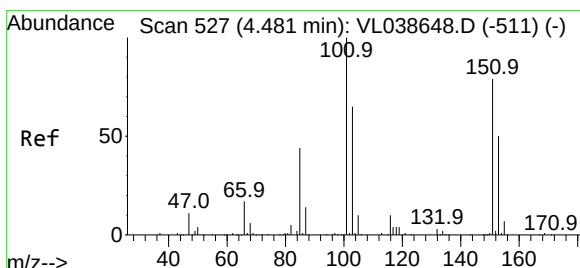
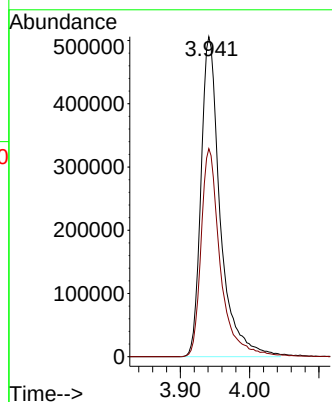
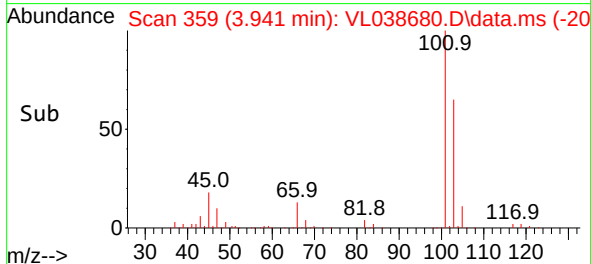
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC



Tgt Ion:101 Resp: 97495  
 Ion Ratio Lower Upper  
 101 100  
 103 65.0 51.9 77.9

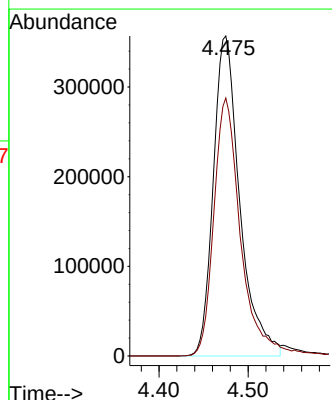
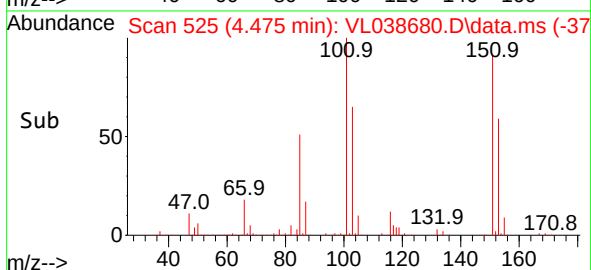
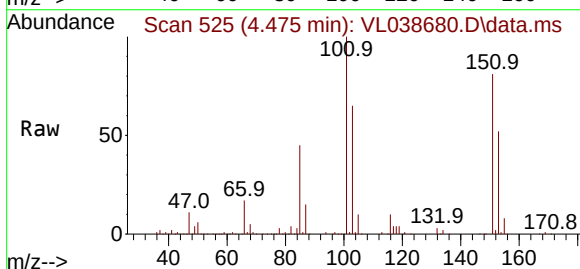
Manual Integrations  
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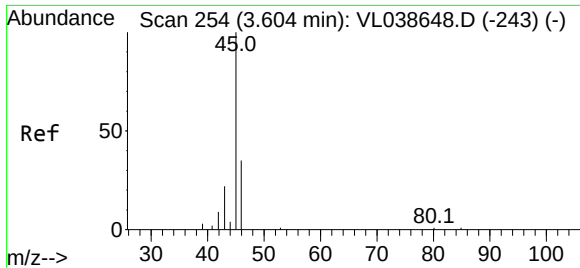
Reviewed By :Semsettin Yesilyurt 03/23/2022  
 Supervised By :Mahesh Dadoda 03/24/2022



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 9.019 ppbv  
 RT: 4.475 min Scan# 525  
 Delta R.T. -0.006 min  
 Lab File: VL038680.D  
 Acq: 22 Mar 2022 10:57

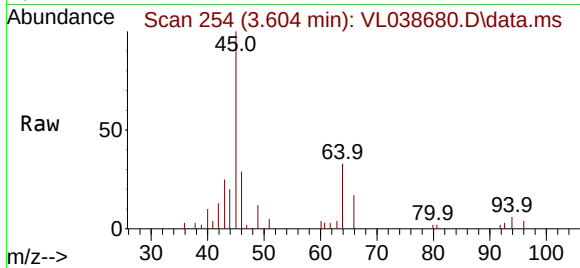
Tgt Ion:101 Resp: 738682  
 Ion Ratio Lower Upper  
 101 100  
 151 82.2 62.9 94.3





#13  
Ethanol  
Concen: 4.958 ppbv m  
RT: 3.604 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

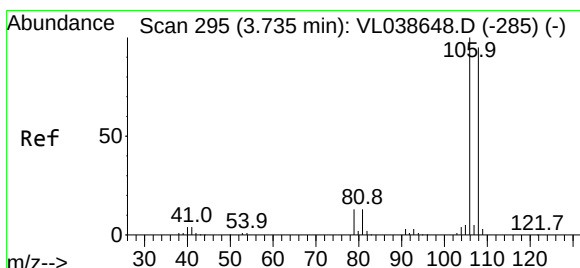
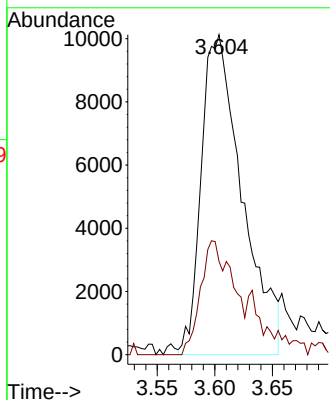
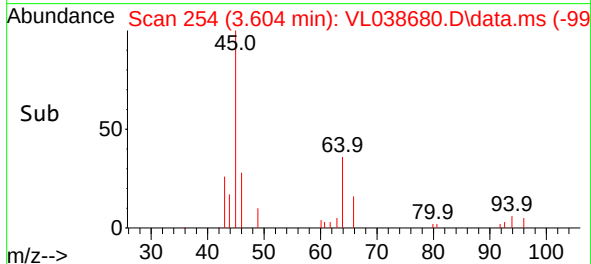
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



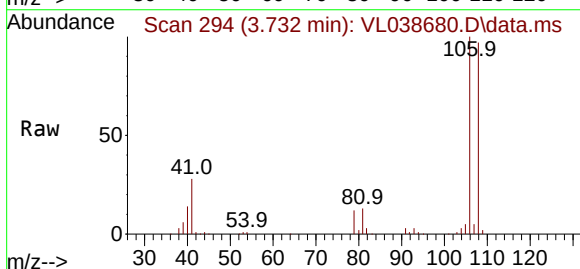
Tgt Ion: 45 Resp: 25009  
Ion Ratio Lower Upper  
45 100  
46 39.8 15.1 60.5

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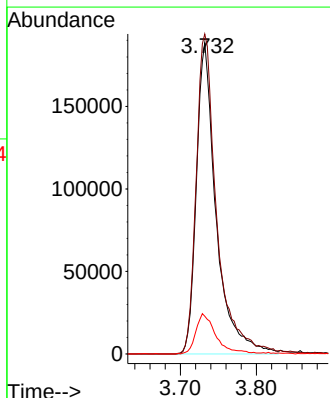
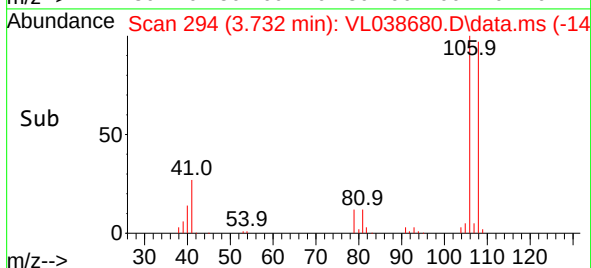
Reviewed By :Semsettin Yesilyurt 03/23/2022  
Supervised By :Mahesh Dadoda 03/24/2022

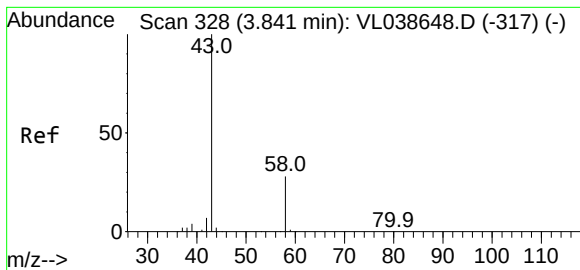


#14  
Bromoethene  
Concen: 9.369 ppbv  
RT: 3.732 min Scan# 294  
Delta R.T. -0.003 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57



Tgt Ion:108 Resp: 341054  
Ion Ratio Lower Upper  
108 100  
106 107.8 88.3 132.5  
79 13.8 11.2 16.8





#15

Acetone

Concen: 8.720 ppbv

RT: 3.838 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL038680.D

Acq: 22 Mar 2022 10:57

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 674790

Ion Ratio Lower Upper

43 100

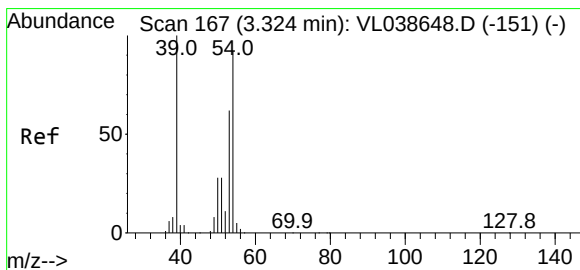
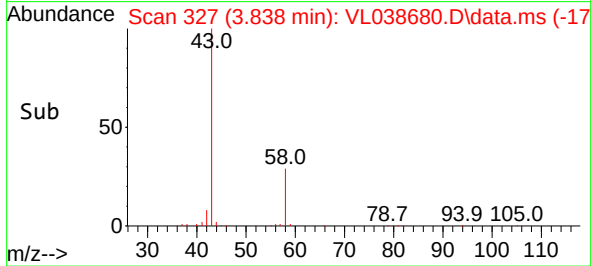
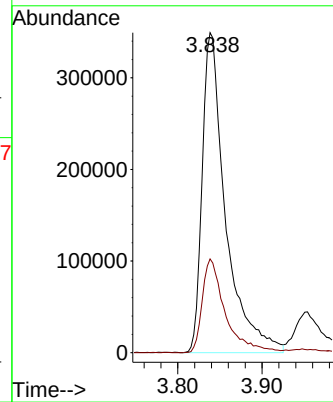
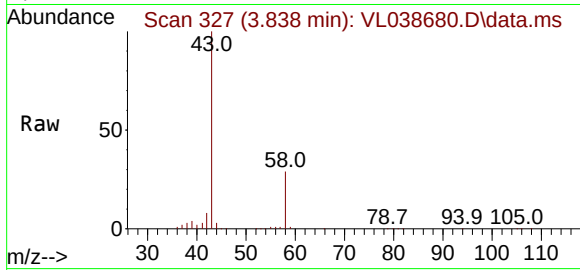
58 28.8 23.3 34.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022

Supervised By :Mahesh Dadoda 03/24/2022



#16

1,3-Butadiene

Concen: 9.520 ppbv

RT: 3.321 min Scan# 166

Delta R.T. -0.003 min

Lab File: VL038680.D

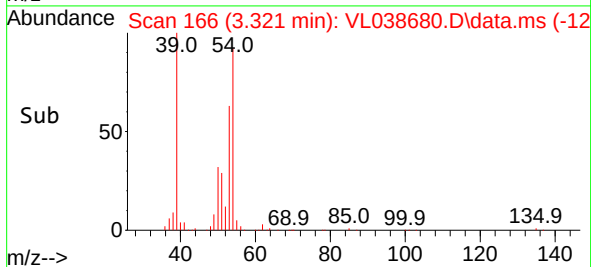
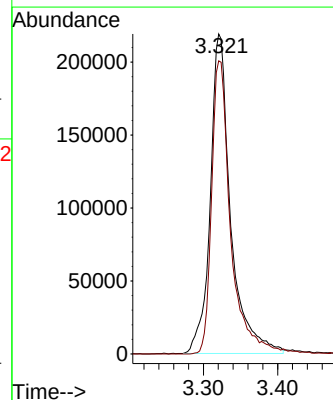
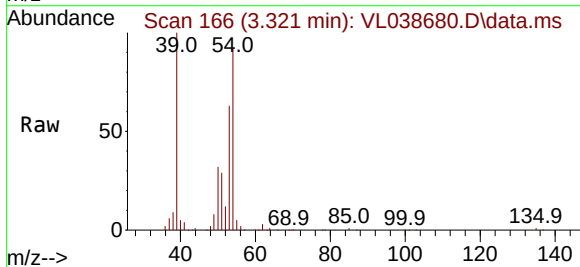
Acq: 22 Mar 2022 10:57

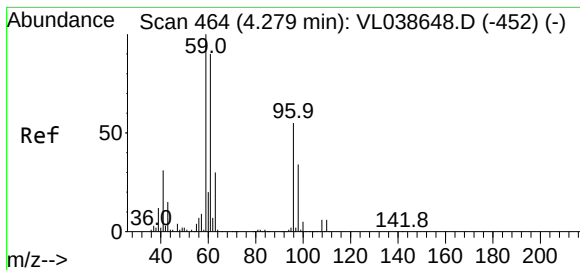
Tgt Ion: 39 Resp: 418049

Ion Ratio Lower Upper

39 100

54 86.1 69.1 103.7





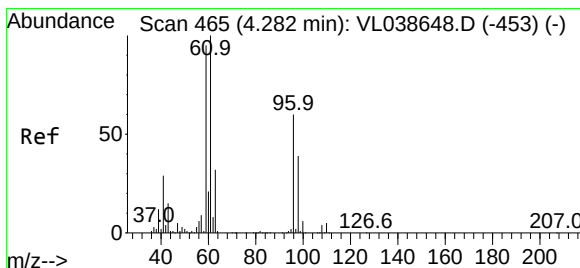
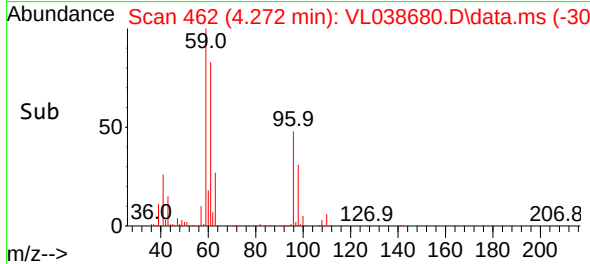
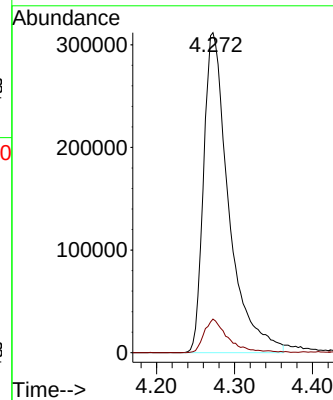
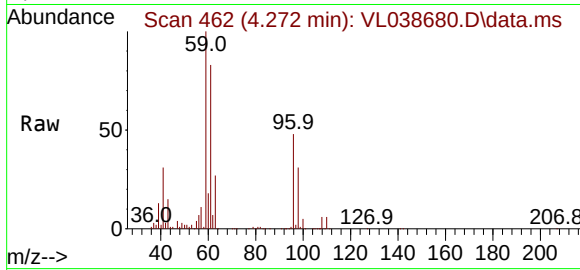
#17  
tert-Butyl alcohol  
Concen: 10.353 ppbv  
RT: 4.272 min Scan# 462  
Delta R.T. -0.006 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 59 Resp: 699649  
Ion Ratio Lower Upper  
59 100  
57 10.1 8.2 12.2

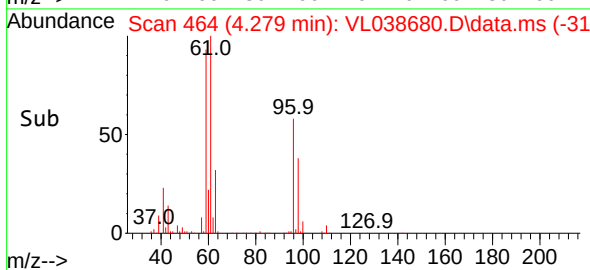
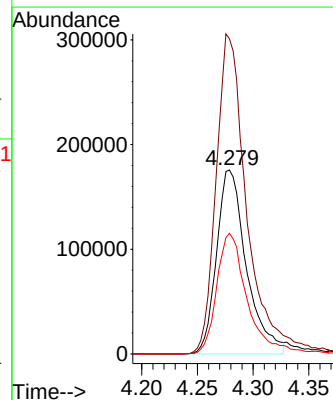
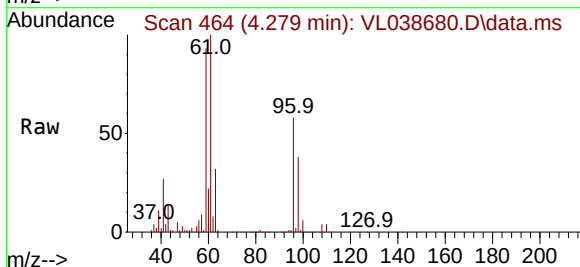
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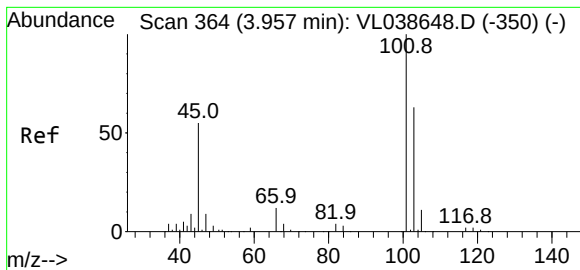
Reviewed By :Semsettin Yesilyurt 03/23/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#18  
1,1-Dichloroethene  
Concen: 8.896 ppbv  
RT: 4.279 min Scan# 464  
Delta R.T. -0.003 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

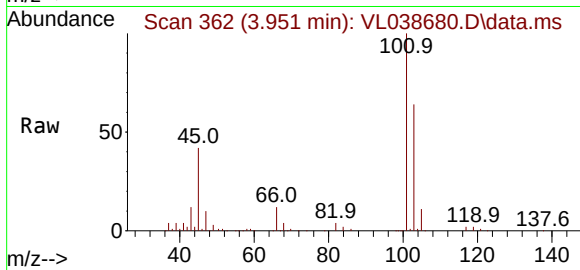
Tgt Ion: 96 Resp: 327333  
Ion Ratio Lower Upper  
96 100  
61 171.3 132.4 198.6  
98 65.6 51.6 77.4





#19  
Isopropyl Alcohol  
Concen: 8.490 ppbv  
RT: 3.951 min Scan# 362  
Delta R.T. -0.006 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

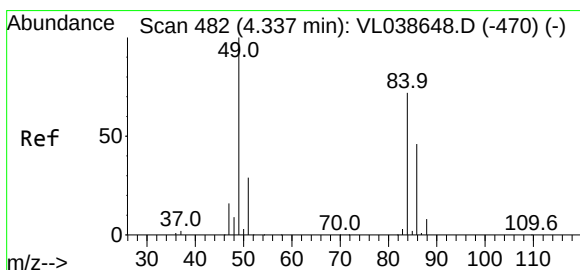
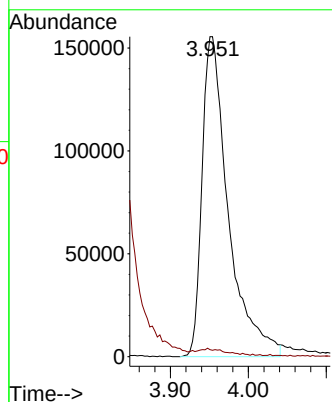
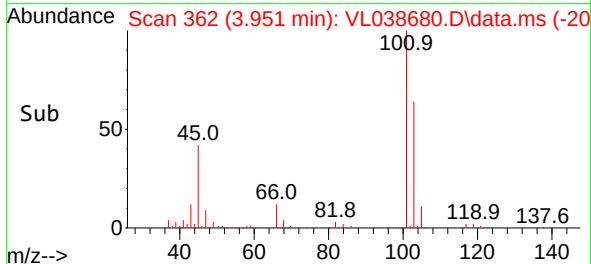
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 45 Resp: 364244  
Ion Ratio Lower Upper  
45 100  
58 3.3 2.3 3.5

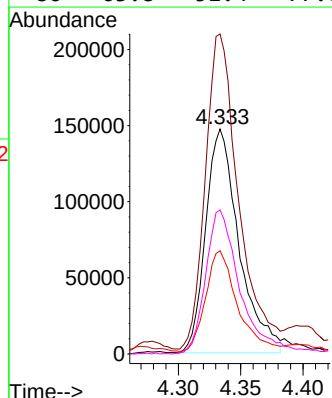
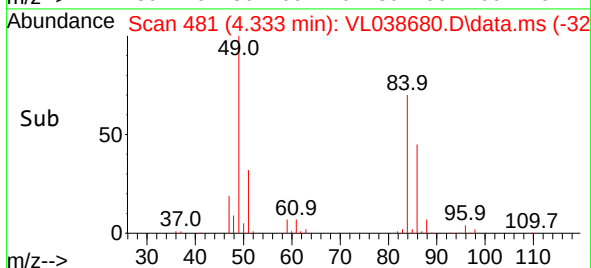
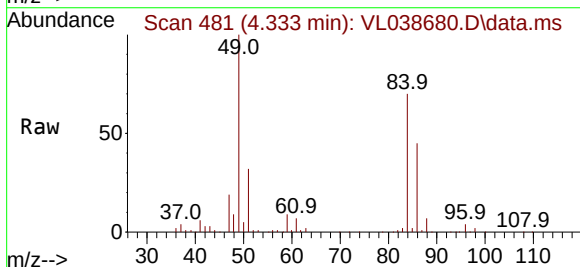
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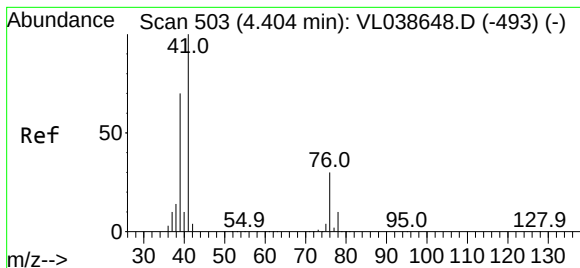
Reviewed By :Semsettin Yesilyurt 03/23/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#20  
Methylene Chloride  
Concen: 8.429 ppbv  
RT: 4.333 min Scan# 481  
Delta R.T. -0.003 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

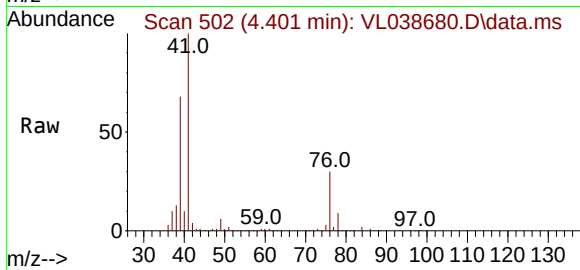
Tgt Ion: 84 Resp: 274735  
Ion Ratio Lower Upper  
84 100  
49 139.8 111.2 166.8  
51 44.9 32.8 49.2  
86 63.8 51.4 77.0





#21  
 Allyl Chloride  
 Concen: 9.502 ppbv  
 RT: 4.401 min Scan# 503  
 Delta R.T. -0.003 min  
 Lab File: VL038680.D  
 Acq: 22 Mar 2022 10:57

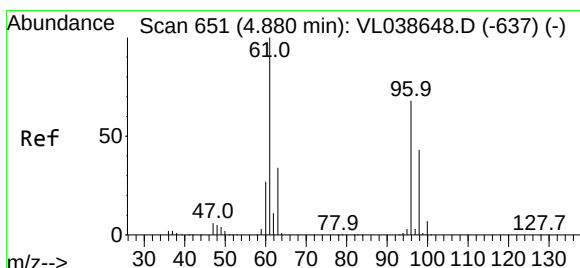
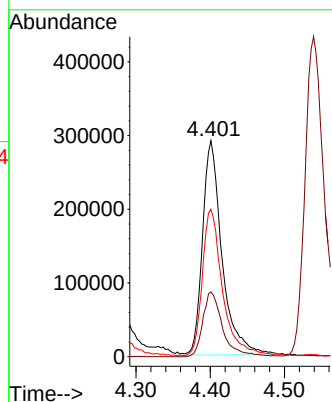
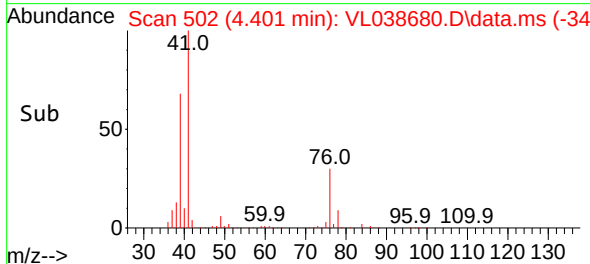
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC



Tgt Ion: 41 Resp: 529152  
 Ion Ratio Lower Upper  
 41 100  
 76 30.8 25.0 37.6  
 39 71.1 56.6 85.0

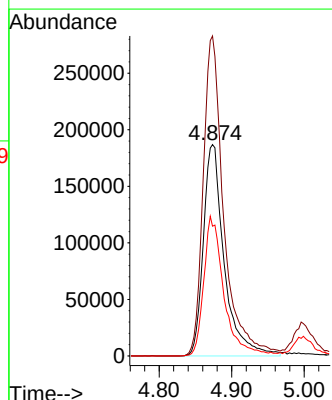
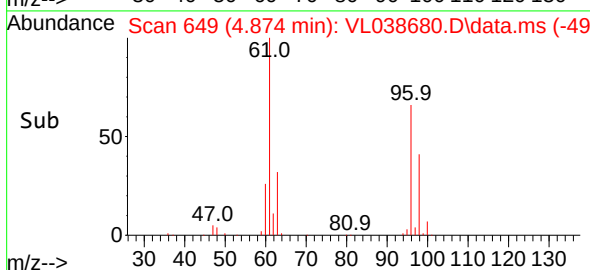
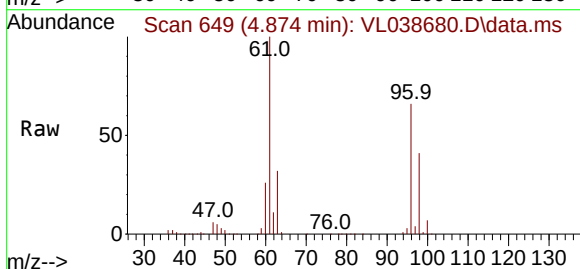
Manual Integrations  
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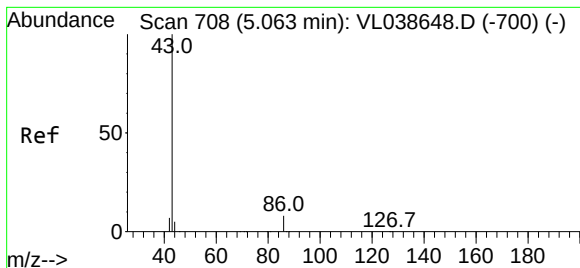
Reviewed By :Semsettin Yesilyurt 03/23/2022  
 Supervised By :Mahesh Dadoda 03/24/2022



#22  
 trans-1,2-Dichloroethene  
 Concen: 9.823 ppbv  
 RT: 4.874 min Scan# 649  
 Delta R.T. -0.006 min  
 Lab File: VL038680.D  
 Acq: 22 Mar 2022 10:57

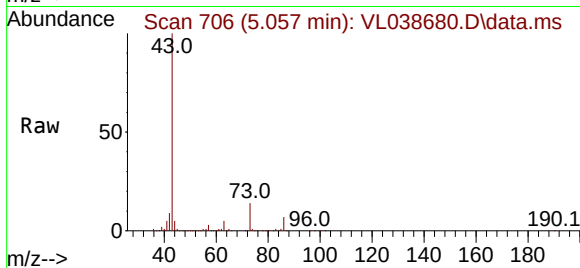
Tgt Ion: 96 Resp: 374912  
 Ion Ratio Lower Upper  
 96 100  
 61 151.4 118.3 177.5  
 98 61.4 51.3 76.9





#23  
 Vinyl Acetate  
 Concen: 6.964 ppbv  
 RT: 5.057 min Scan# 706  
 Delta R.T. -0.006 min  
 Lab File: VL038680.D  
 Acq: 22 Mar 2022 10:57

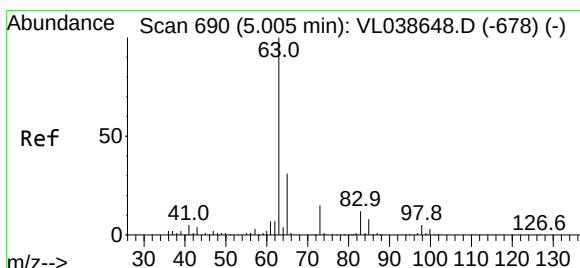
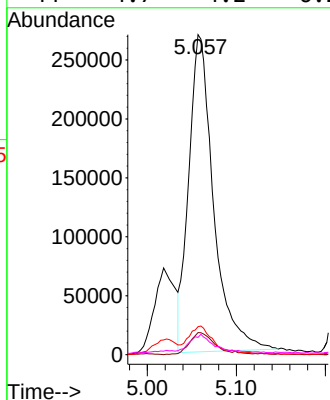
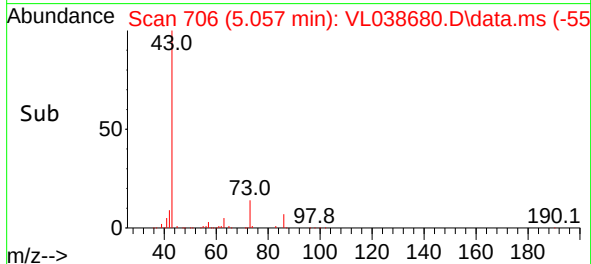
Instrument : MSVOA\_L  
 ClientSampleId : VSTDCCC010EC



Tgt Ion: 43 Resp: 521820  
 Ion Ratio Lower Upper  
 43 100  
 86 6.7 5.6 8.4  
 42 8.6 6.8 10.2  
 44 4.7 4.2 6.2

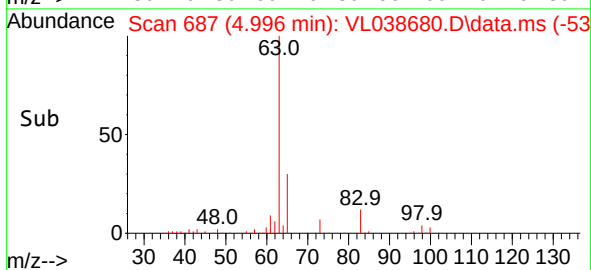
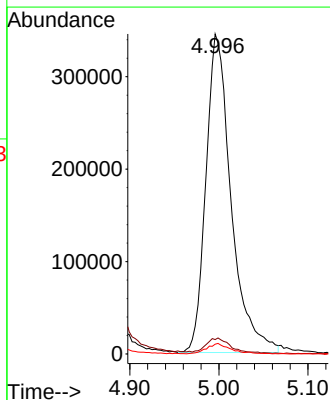
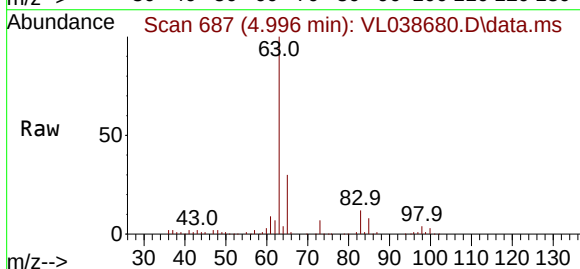
Manual Integrations  
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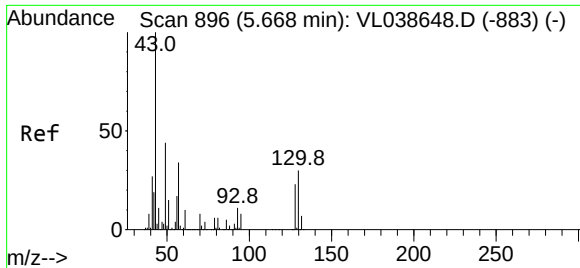
Reviewed By :Semsettin Yesilyurt 03/23/2022  
 Supervised By :Mahesh Dadoda 03/24/2022



#24  
 1,1-Dichloroethane  
 Concen: 9.179 ppbv  
 RT: 4.996 min Scan# 687  
 Delta R.T. -0.010 min  
 Lab File: VL038680.D  
 Acq: 22 Mar 2022 10:57

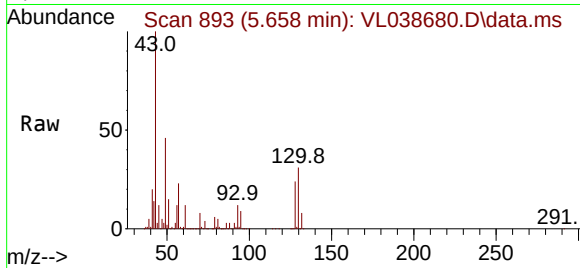
Tgt Ion: 63 Resp: 677367  
 Ion Ratio Lower Upper  
 63 100  
 98 4.2 2.5 7.5  
 100 3.0 1.4 4.2





#25  
Ethyl Acetate  
Concen: 10.590 ppbv  
RT: 5.658 min Scan# 893  
Delta R.T. -0.010 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

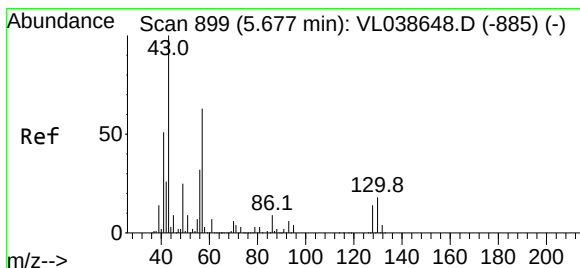
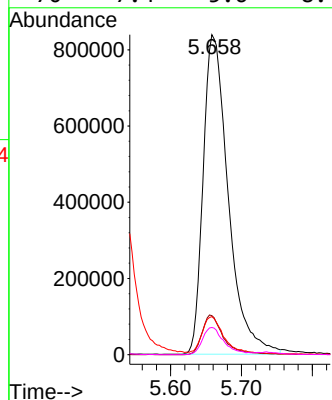
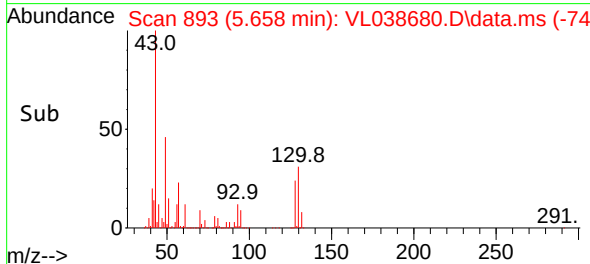


Tgt Ion: 43 Resp: 206286

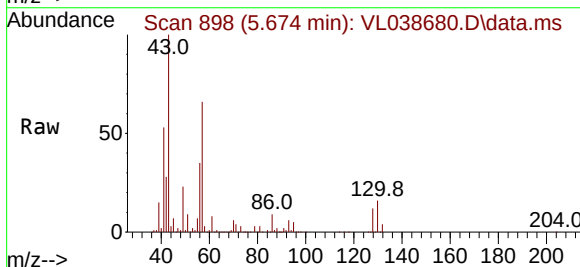
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 10.8  | 8.2   | 12.4  |
| 61  | 10.8  | 8.3   | 12.5  |
| 70  | 7.4   | 5.6   | 8.4   |

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022  
Supervised By :Mahesh Dadoda 03/24/2022

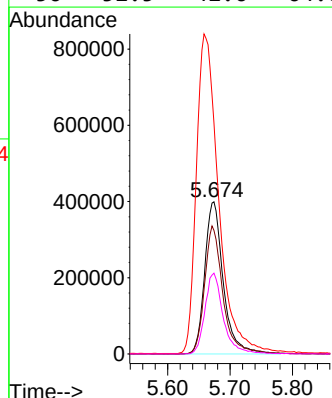
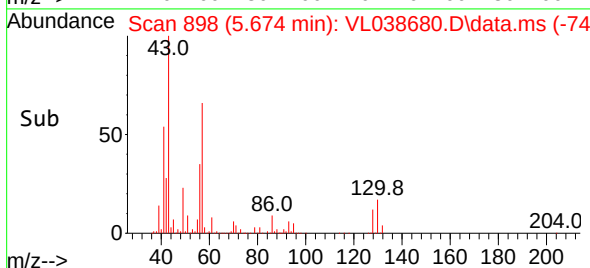


#26  
Hexane  
Concen: 9.515 ppbv  
RT: 5.674 min Scan# 898  
Delta R.T. -0.003 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

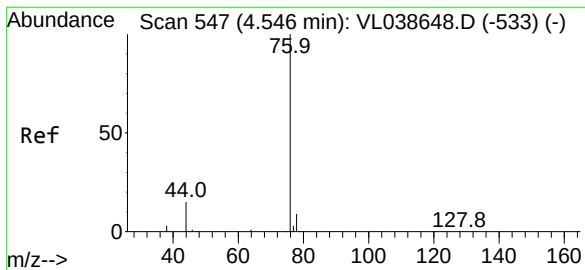


Tgt Ion: 57 Resp: 829726

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 83.4  | 67.0  | 100.4 |
| 43  | 252.3 | 184.2 | 276.2 |
| 56  | 52.5  | 42.6  | 64.0  |

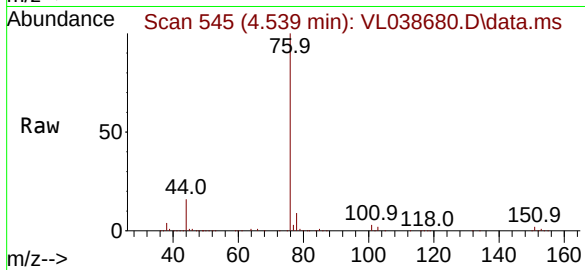






#27  
Carbon Disulfide  
Concen: 9.956 ppbv  
RT: 4.539 min Scan# 547  
Delta R.T. -0.006 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

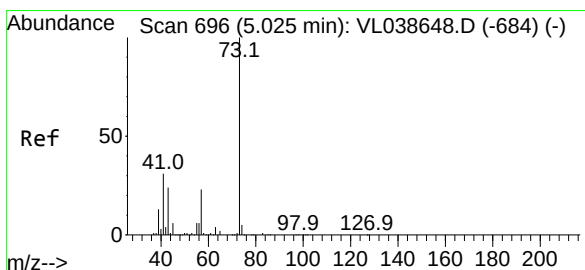
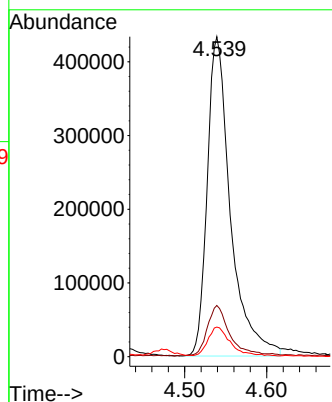
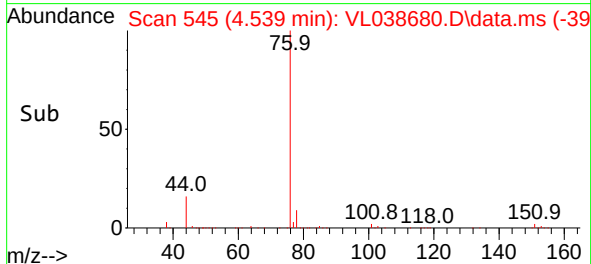
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 76 Resp: 851770  
Ion Ratio Lower Upper  
76 100  
44 15.9 12.4 18.6  
78 10.0 7.8 11.8

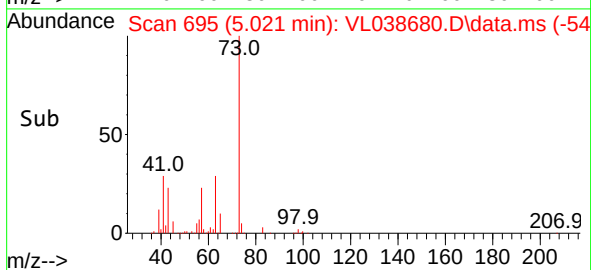
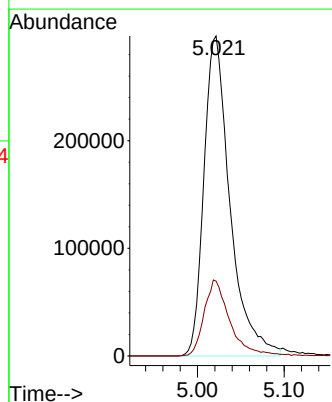
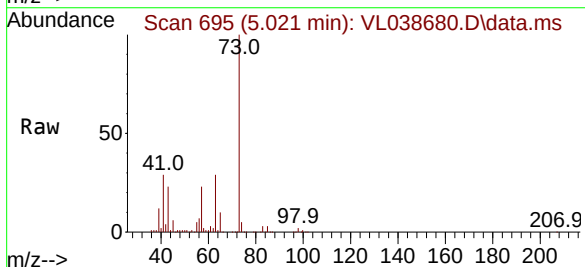
Manual Integrations  
APPROVED

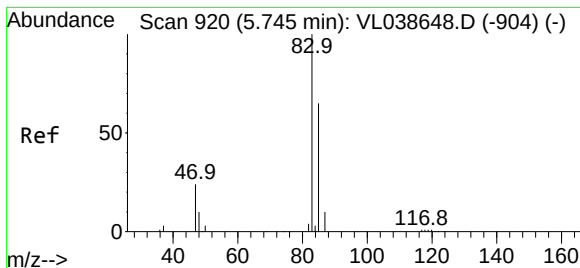
Reviewed By :Semsettin Yesilyurt 03/23/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#28  
Methyl tert-Butyl Ether  
Concen: 9.586 ppbv  
RT: 5.021 min Scan# 695  
Delta R.T. -0.003 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

Tgt Ion: 73 Resp: 622721  
Ion Ratio Lower Upper  
73 100  
57 23.6 19.2 28.8





#29

Chloroform

Concen: 9.261 ppbv

RT: 5.738 min Scan# 91

Delta R.T. -0.006 min

Lab File: VL038680.D

Acq: 22 Mar 2022 10:57

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 83 Resp: 129308

Ion Ratio Lower Upper

83 100

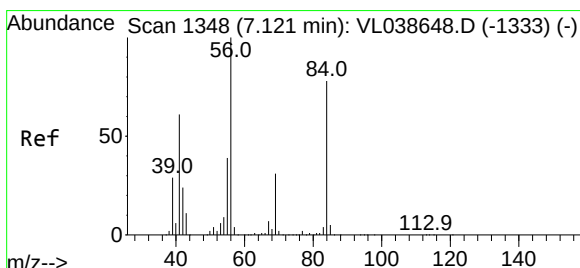
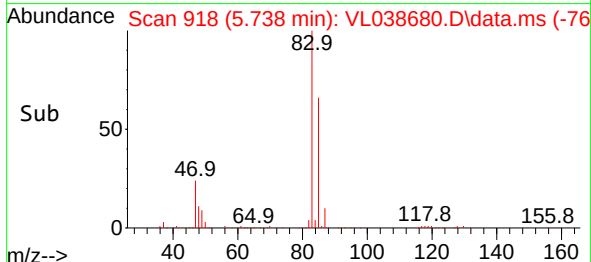
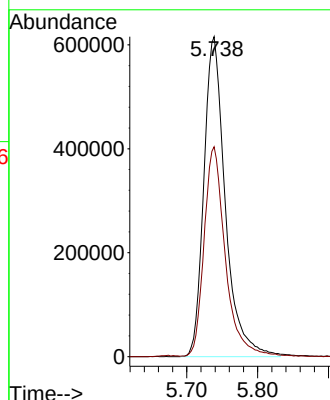
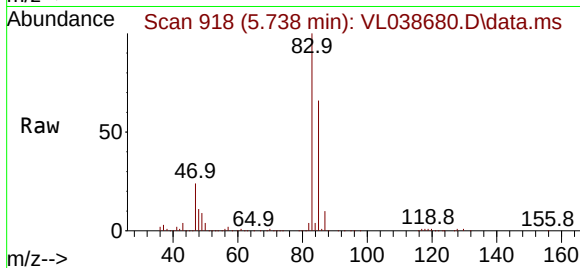
85 65.4 51.7 77.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022

Supervised By :Mahesh Dadoda 03/24/2022



#30

Cyclohexane

Concen: 9.465 ppbv

RT: 7.115 min Scan# 1346

Delta R.T. -0.006 min

Lab File: VL038680.D

Acq: 22 Mar 2022 10:57

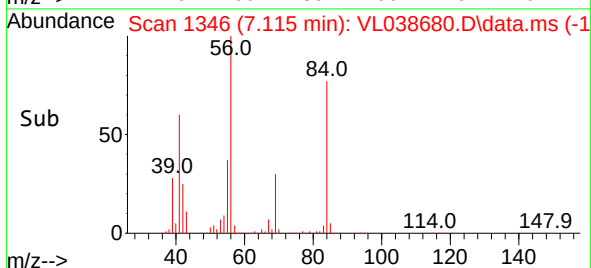
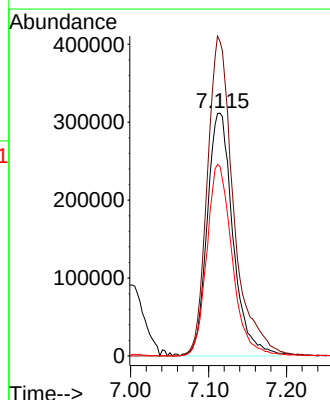
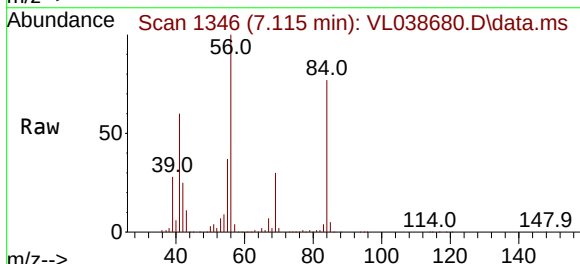
Tgt Ion: 84 Resp: 717666

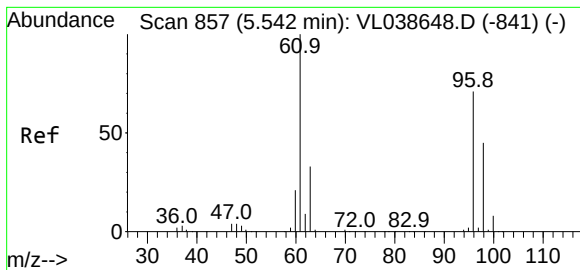
Ion Ratio Lower Upper

84 100

56 134.6 108.2 162.4

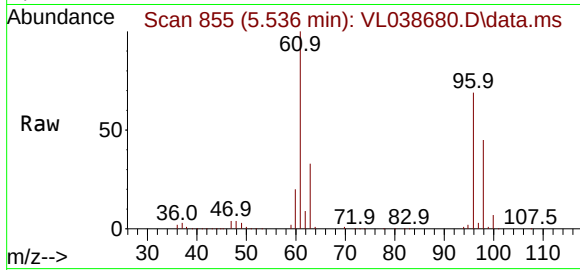
41 77.9 61.8 92.6





#31  
cis-1,2-Dichloroethene  
Concen: 9.737 ppbv  
RT: 5.536 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

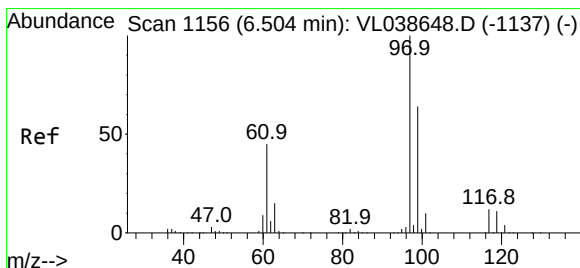
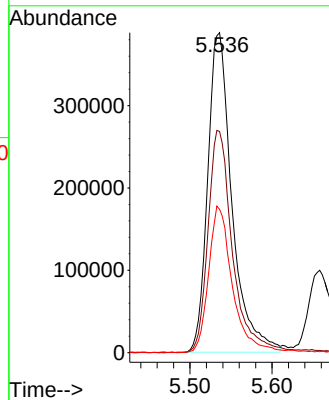
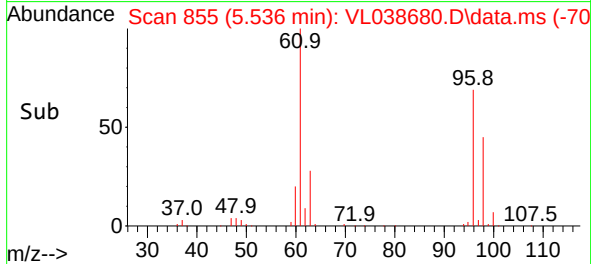
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 61 Resp: 798410  
Ion Ratio Lower Upper  
61 100  
96 69.2 56.6 84.8  
98 44.8 36.3 54.5

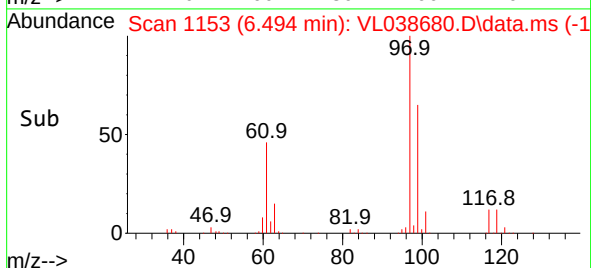
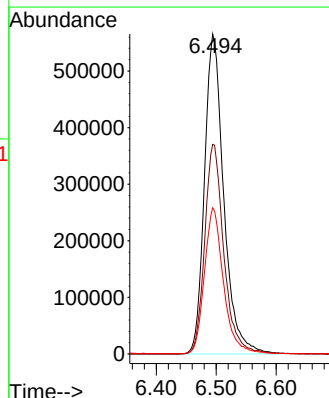
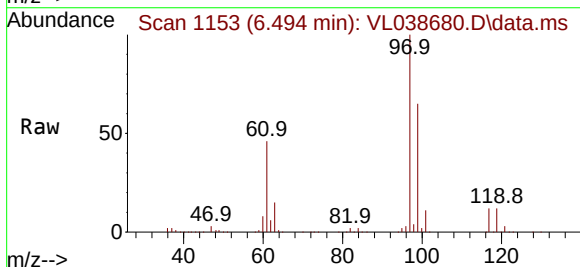
Manual Integrations  
APPROVED

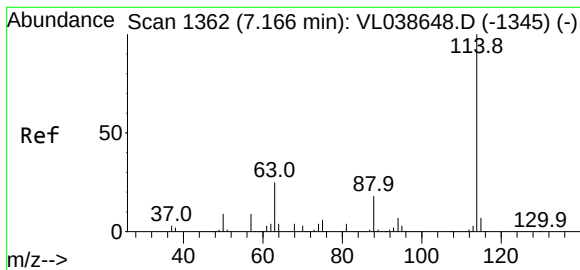
Reviewed By :Semsettin Yesilyurt 03/23/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#32  
1,1,1-Trichloroethane  
Concen: 9.378 ppbv  
RT: 6.494 min Scan# 1153  
Delta R.T. -0.010 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

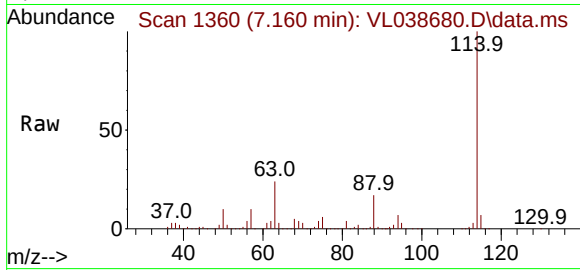
Tgt Ion: 97 Resp: 1263731  
Ion Ratio Lower Upper  
97 100  
99 65.3 51.8 77.8  
61 45.2 36.7 55.1





#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.160 min Scan# 114  
Delta R.T. -0.006 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

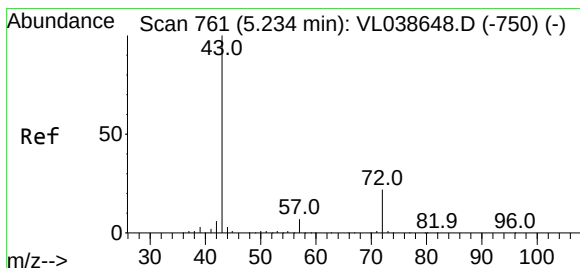
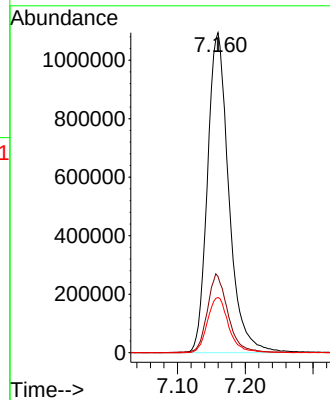
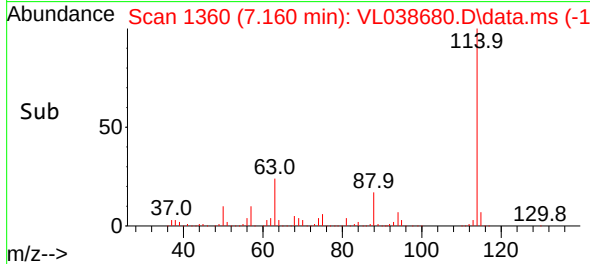
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion:114 Resp: 2392104  
Ion Ratio Lower Upper  
114 100  
63 24.1 19.4 29.0  
88 17.2 13.9 20.9

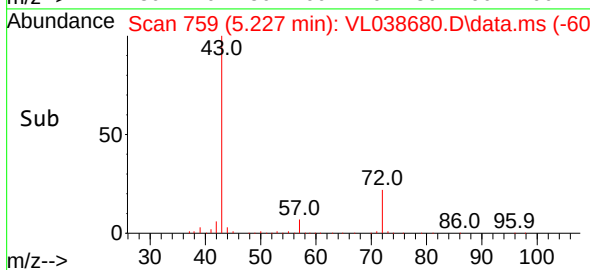
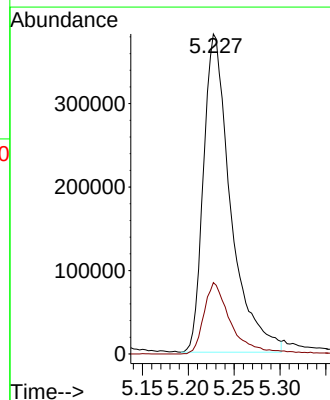
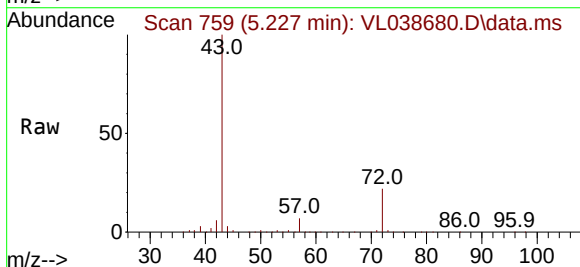
Manual Integrations  
APPROVED

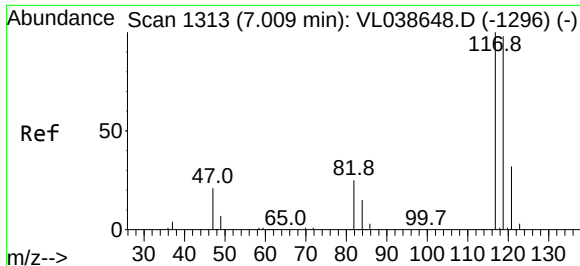
Reviewed By :Semsettin Yesilyurt 03/23/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#34  
2-Butanone  
Concen: 8.321 ppbv  
RT: 5.227 min Scan# 759  
Delta R.T. -0.006 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

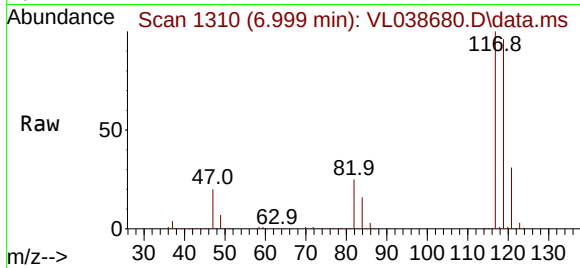
Tgt Ion: 43 Resp: 787801  
Ion Ratio Lower Upper  
43 100  
72 23.0 17.8 26.8





#35  
Carbon Tetrachloride  
Concen: 9.362 ppbv  
RT: 6.999 min Scan# 117  
Delta R.T. -0.010 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

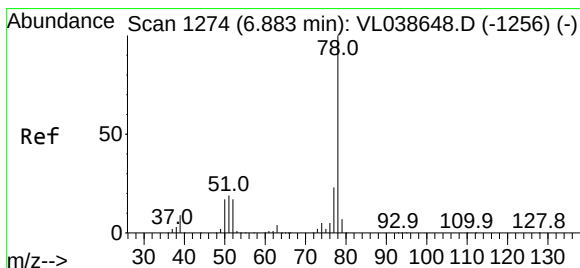
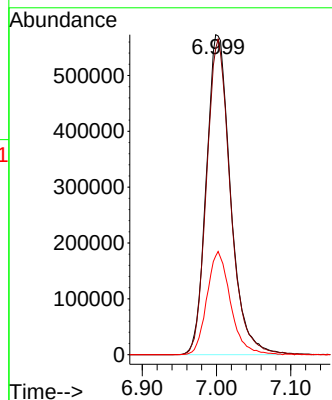
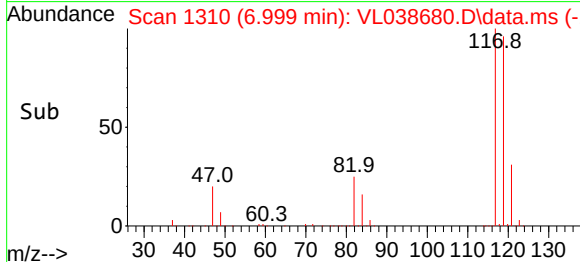
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



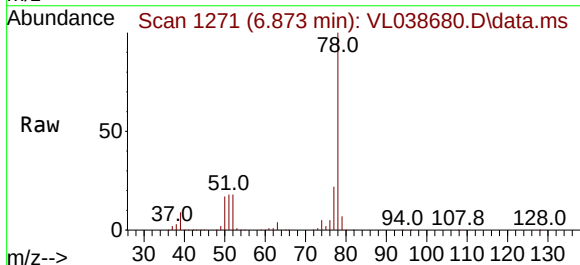
Tgt Ion:117 Resp: 129941  
Ion Ratio Lower Upper  
117 100  
119 95.7 78.1 117.1  
121 30.8 25.8 38.6

Manual Integrations  
APPROVED

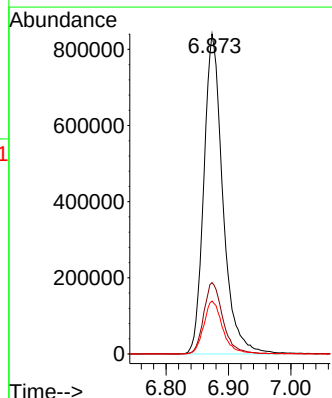
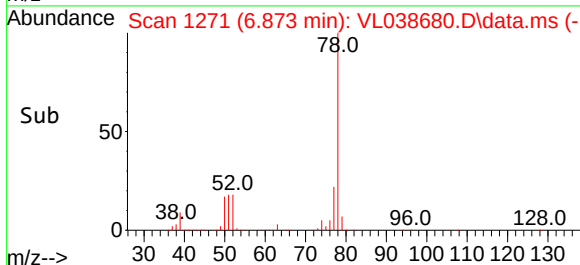
Reviewed By :Semsettin Yesilyurt 03/23/2022  
Supervised By :Mahesh Dadoda 03/24/2022

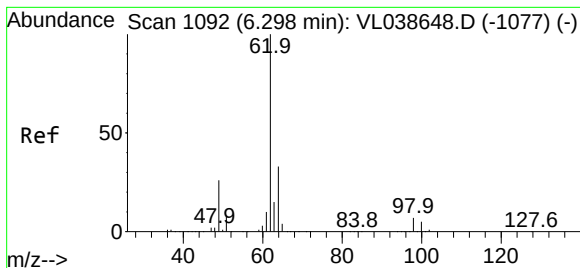


#36  
Benzene  
Concen: 9.645 ppbv  
RT: 6.873 min Scan# 1271  
Delta R.T. -0.010 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57



Tgt Ion: 78 Resp: 1780651  
Ion Ratio Lower Upper  
78 100  
77 22.3 18.1 27.1  
50 16.6 13.6 20.4





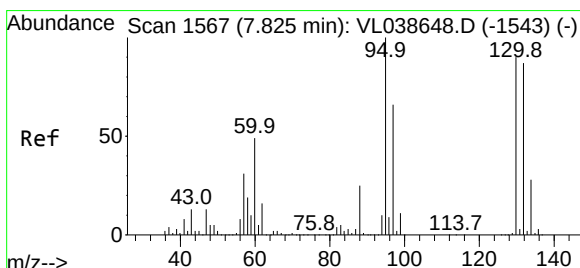
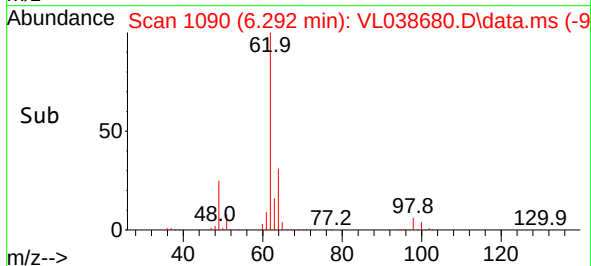
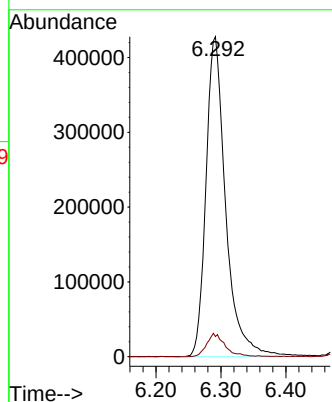
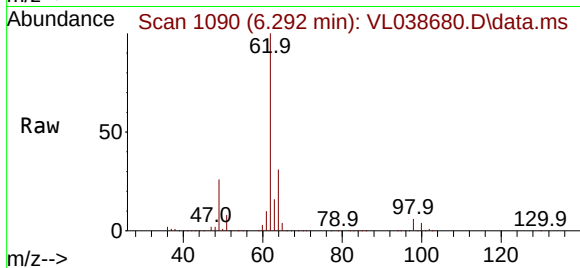
#37  
1,2-Dichloroethane  
Concen: 9.580 ppbv  
RT: 6.292 min Scan# 1090  
Delta R.T. -0.006 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 62 Resp: 89966  
Ion Ratio Lower Upper  
62 100  
98 7.0 5.6 8.4

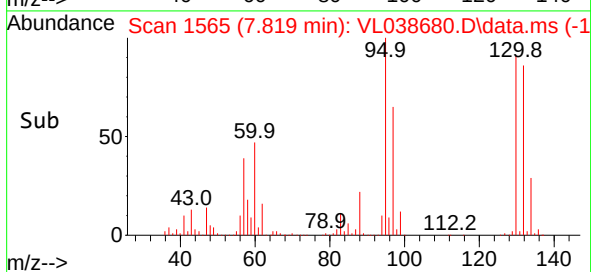
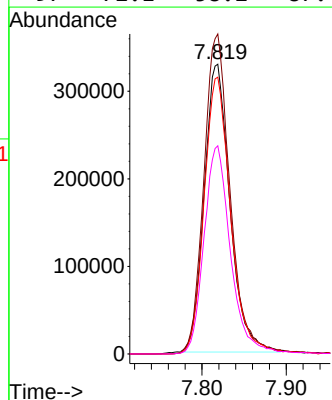
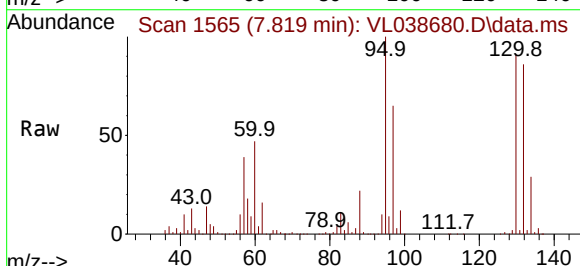
Manual Integrations  
APPROVED

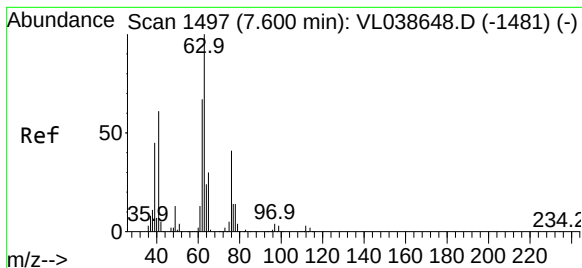
Reviewed By :Semsettin Yesilyurt 03/23/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#38  
Trichloroethene  
Concen: 9.054 ppbv  
RT: 7.819 min Scan# 1565  
Delta R.T. -0.006 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

Tgt Ion:130 Resp: 700214  
Ion Ratio Lower Upper  
130 100  
95 110.7 88.9 133.3  
132 95.9 77.4 116.0  
97 72.1 58.2 87.4





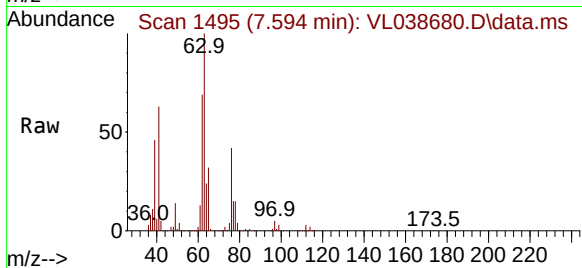
#39  
1,2-Dichloropropane  
Concen: 9.427 ppbv  
RT: 7.594 min Scan# 1495  
Delta R.T. -0.006 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

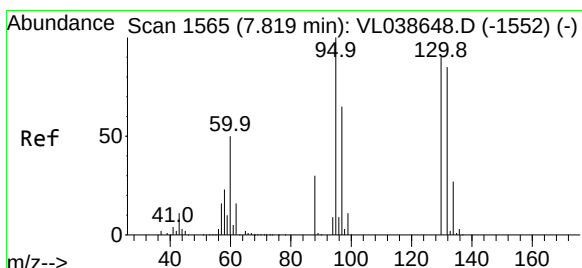
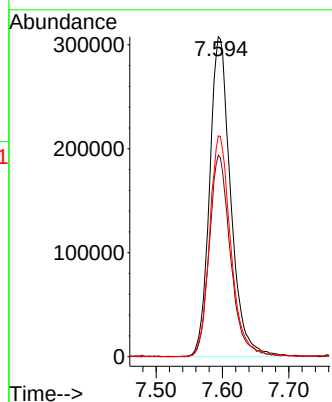
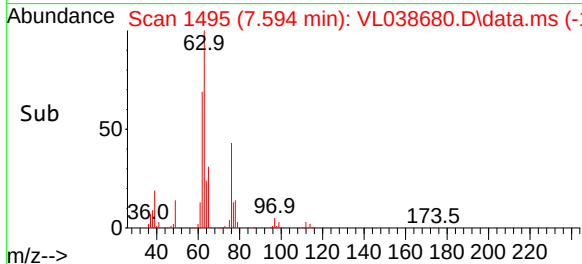


Tgt Ion: 63 Resp: 680350  
Ion Ratio Lower Upper  
63 100  
41 62.9 49.0 73.6  
62 68.9 53.9 80.9

Manual Integrations

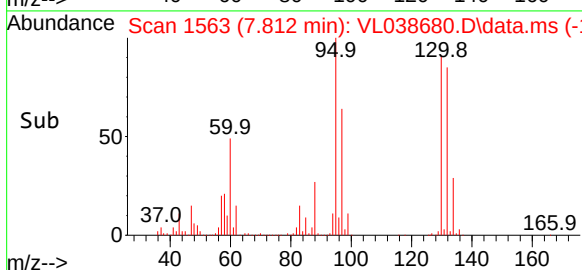
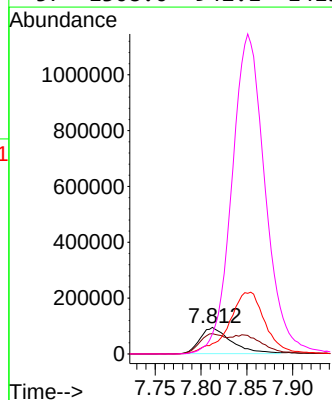
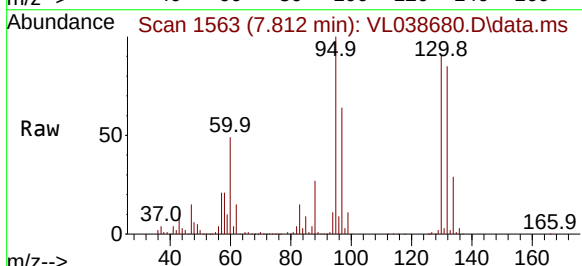
APPROVED

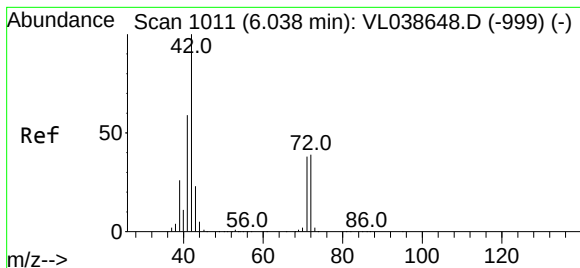
Reviewed By :Semsettin Yesilyurt 03/23/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#40  
1,4-Dioxane  
Concen: 8.887 ppbv  
RT: 7.812 min Scan# 1563  
Delta R.T. -0.006 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

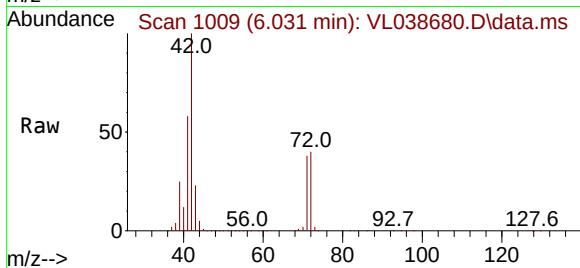
Tgt Ion: 88 Resp: 222740  
Ion Ratio Lower Upper  
88 100  
58 139.6 105.6 158.4  
43 275.9 201.9 302.9  
57 1308.0 942.1 1413.1





#41  
Tetrahydrofuran  
Concen: 10.011 ppbv  
RT: 6.031 min Scan# 1009  
Delta R.T. -0.006 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

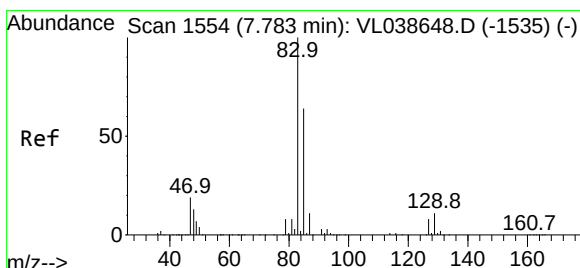
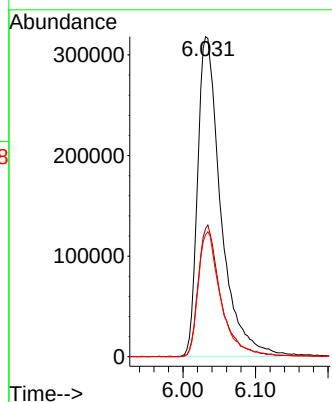
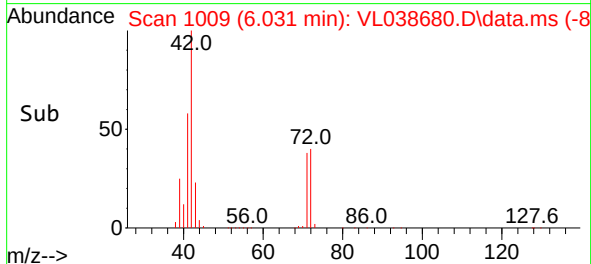
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 42 Resp: 705419  
Ion Ratio Lower Upper  
42 100  
72 40.3 32.5 48.7  
71 38.7 31.4 47.2

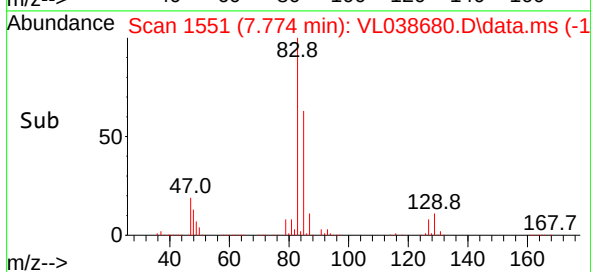
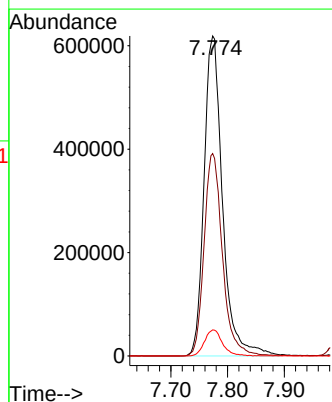
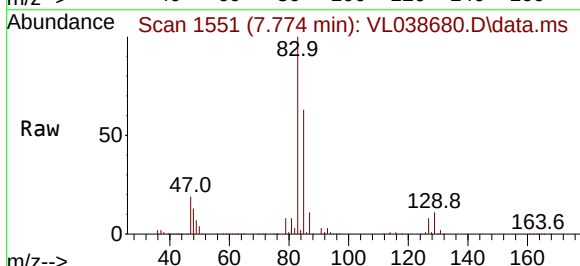
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022  
Supervised By :Mahesh Dadoda 03/24/2022

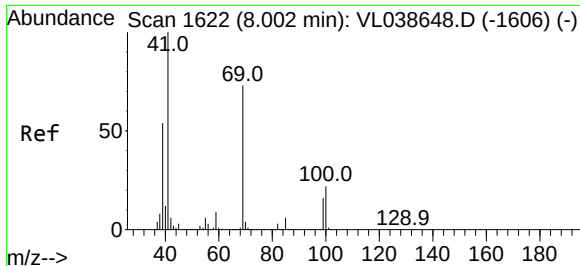


#42  
Bromodichloromethane  
Concen: 9.959 ppbv  
RT: 7.774 min Scan# 1551  
Delta R.T. -0.010 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

Tgt Ion: 83 Resp: 1402241  
Ion Ratio Lower Upper  
83 100  
85 63.3 51.1 76.7  
127 8.1 6.5 9.7







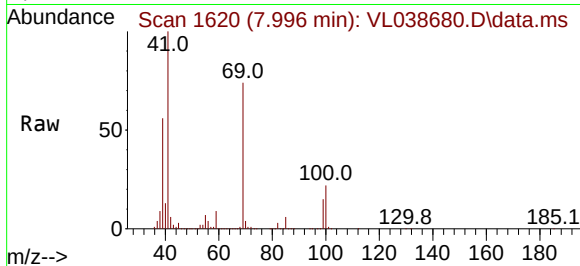
#43  
Methyl Methacrylate  
Concen: 10.971 ppbv  
RT: 7.996 min Scan# 1620  
Delta R.T. -0.006 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

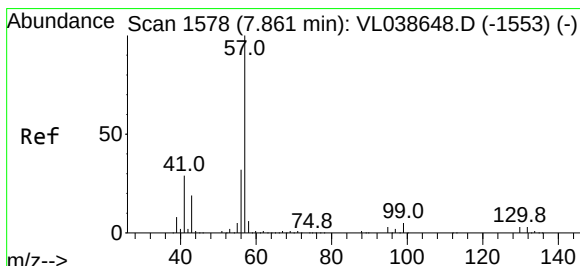
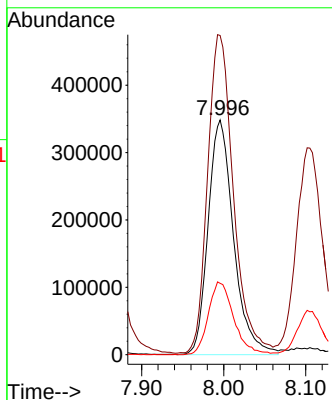
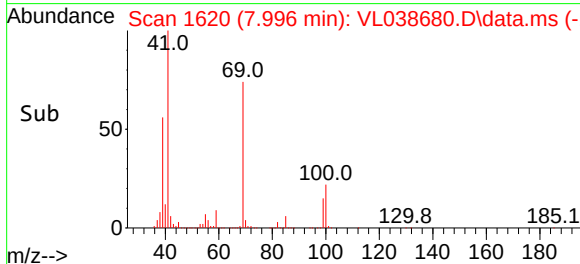


Tgt Ion: 69 Resp: 75196  
Ion Ratio Lower Upper  
69 100  
41 138.8 110.3 165.5  
100 31.0 24.8 37.2

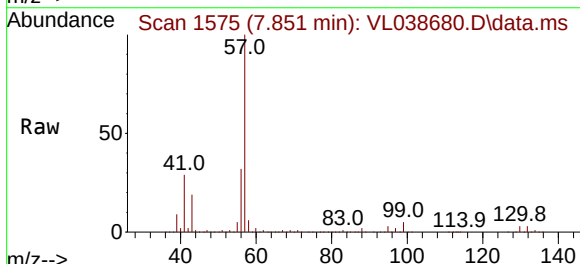
Manual Integrations

APPROVED

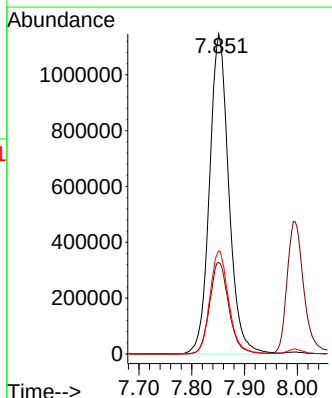
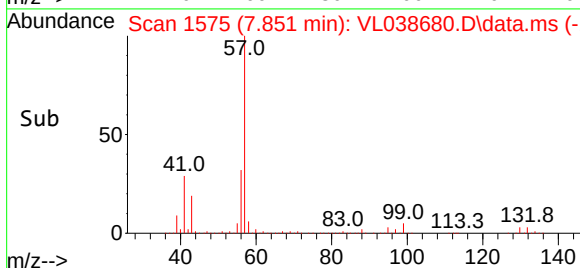
Reviewed By :Semsettin Yesilyurt 03/23/2022  
Supervised By :Mahesh Dadoda 03/24/2022

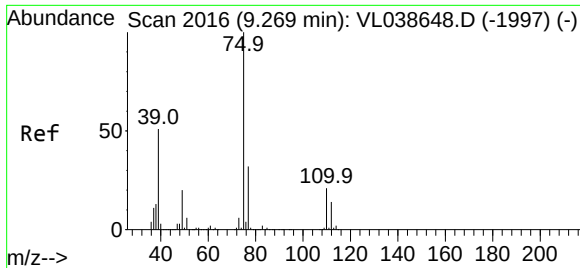


#44  
2,2,4-Trimethylpentane  
Concen: 9.396 ppbv  
RT: 7.851 min Scan# 1575  
Delta R.T. -0.010 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57



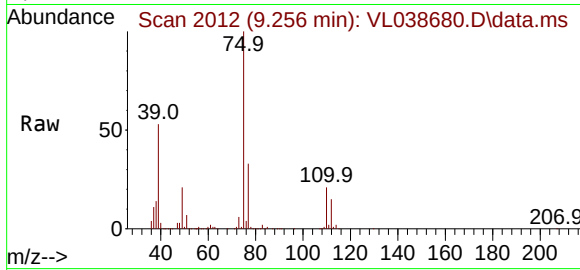
Tgt Ion: 57 Resp: 2912679  
Ion Ratio Lower Upper  
57 100  
41 28.4 23.0 34.4  
56 31.5 25.3 37.9





#45  
t-1,3-Dichloropropene  
Concen: 11.315 ppbv  
RT: 9.256 min Scan# 2016  
Delta R.T. -0.013 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

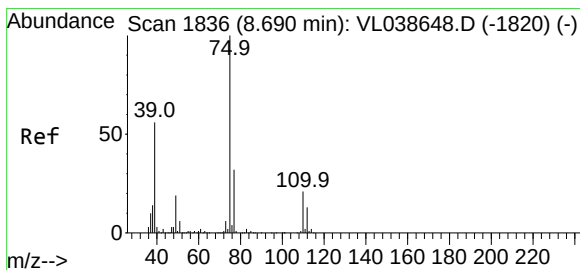
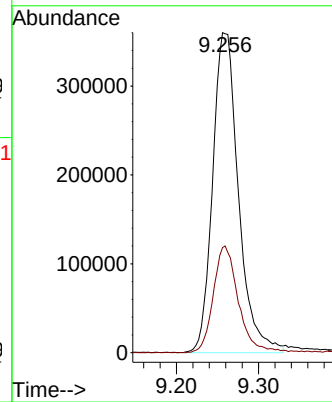
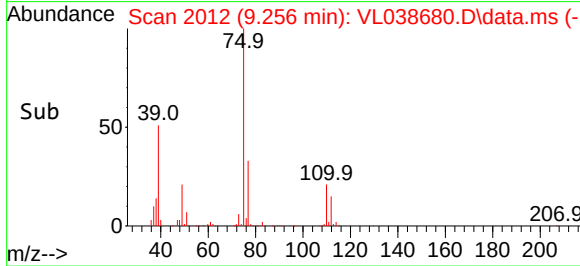
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 75 Resp: 788584  
Ion Ratio Lower Upper  
75 100  
77 32.8 25.5 38.3

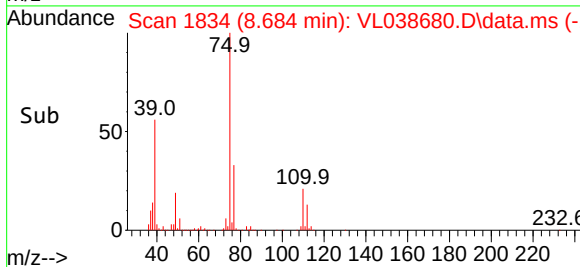
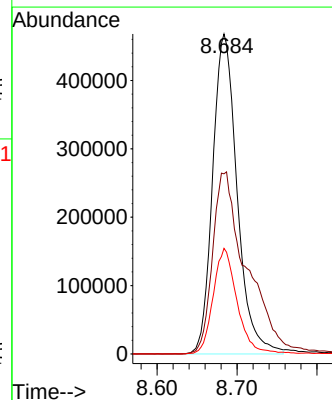
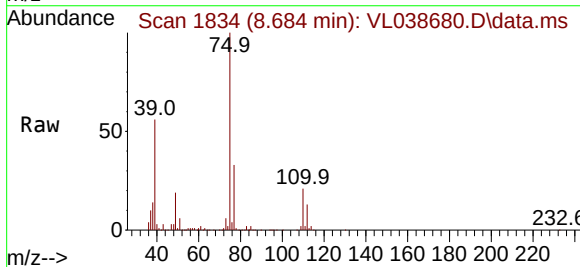
Manual Integrations  
APPROVED

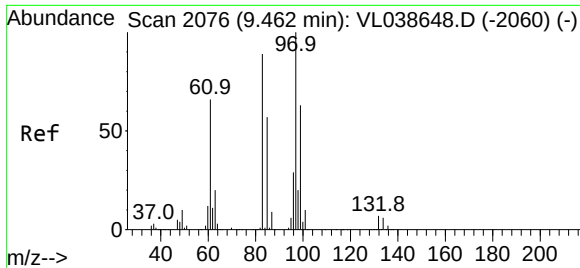
Reviewed By :Semsettin Yesilyurt 03/23/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#46  
cis-1,3-Dichloropropene  
Concen: 10.573 ppbv  
RT: 8.684 min Scan# 1834  
Delta R.T. -0.006 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

Tgt Ion: 75 Resp: 996373  
Ion Ratio Lower Upper  
75 100  
39 56.2 44.8 67.2  
77 33.0 25.4 38.0





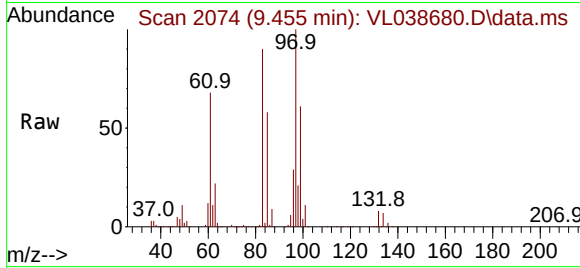
#47  
1,1,2-Trichloroethane  
Concen: 9.429 ppbv  
RT: 9.455 min Scan# 2076  
Delta R.T. -0.006 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

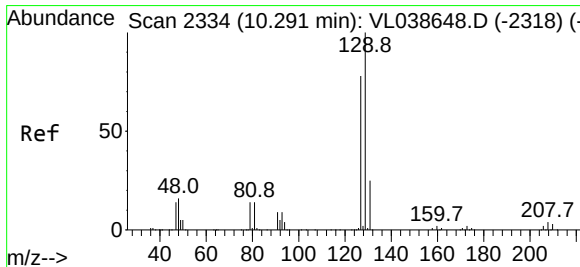
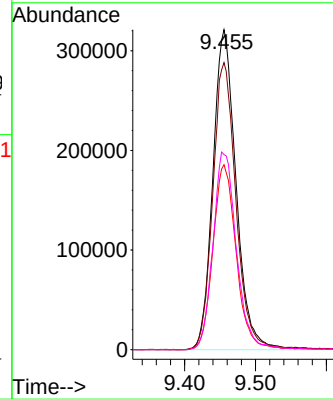
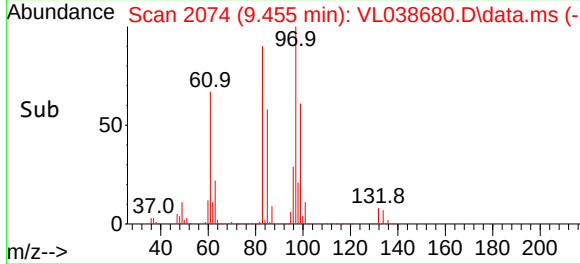


Tgt Ion: 97 Resp: 72658  
Ion Ratio Lower Upper  
97 100  
83 89.6 71.2 106.8  
85 57.8 45.3 67.9  
99 61.0 50.6 76.0

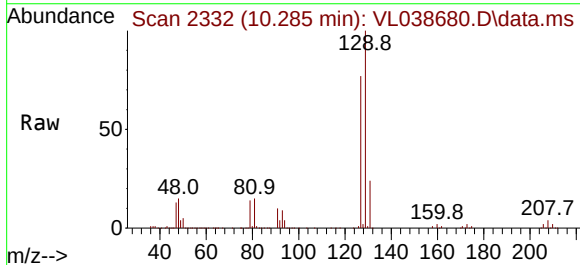
Manual Integrations

APPROVED

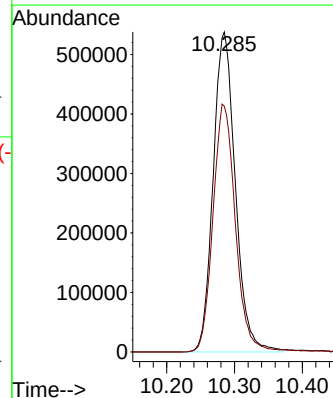
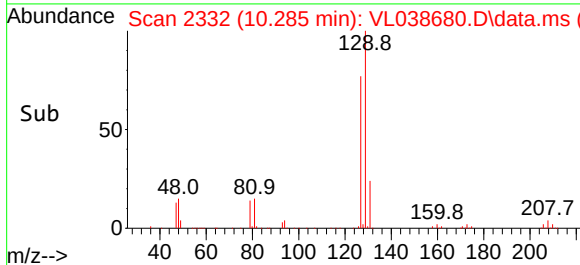
Reviewed By :Semsettin Yesilyurt 03/23/2022  
Supervised By :Mahesh Dadoda 03/24/2022

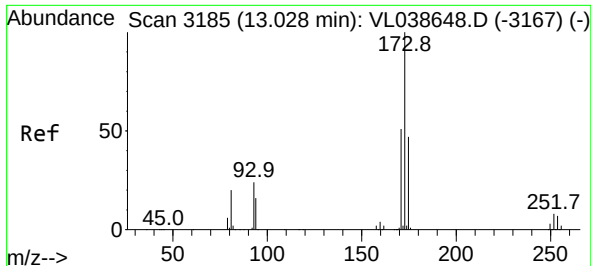


#48  
Dibromochloromethane  
Concen: 10.116 ppbv  
RT: 10.285 min Scan# 2332  
Delta R.T. -0.006 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57



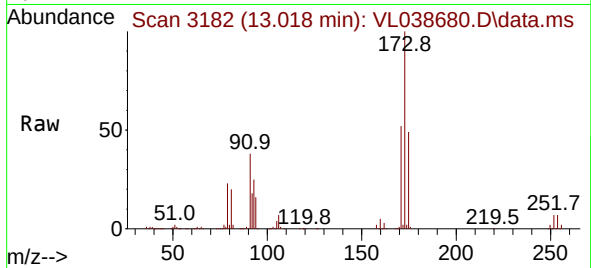
Tgt Ion:129 Resp: 1221014  
Ion Ratio Lower Upper  
129 100  
127 79.0 39.5 118.5





#49  
Bromoform  
Concen: 10.196 ppbv  
RT: 13.018 min Scan# 3185  
Delta R.T. -0.010 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

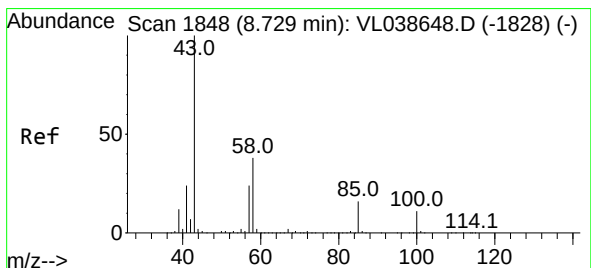
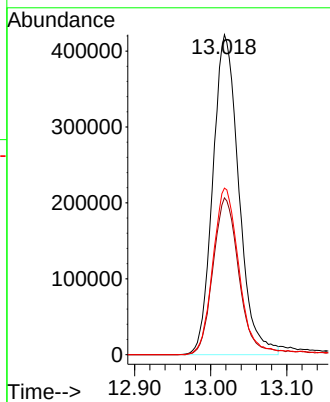
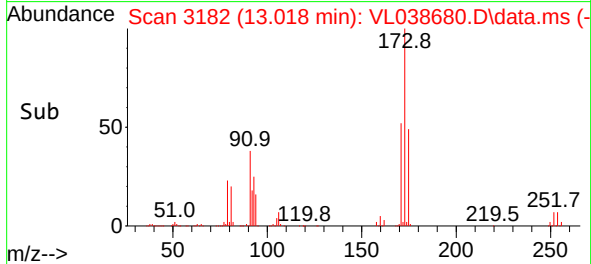
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion:173 Resp: 1003040  
Ion Ratio Lower Upper  
173 100  
175 50.9 41.0 61.6  
171 54.3 43.1 64.7

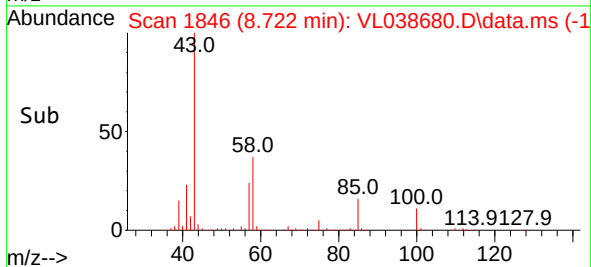
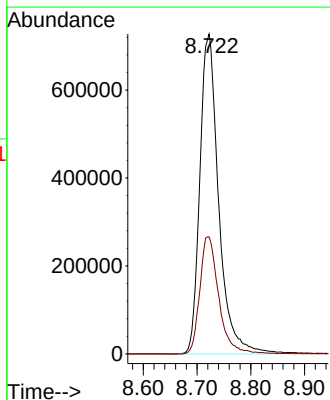
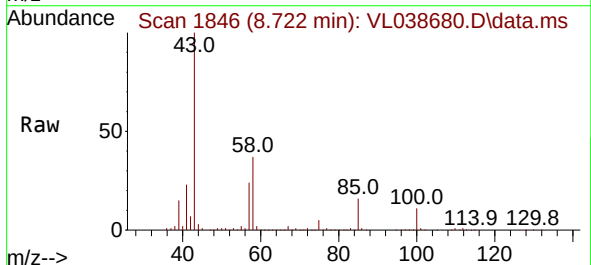
Manual Integrations  
APPROVED

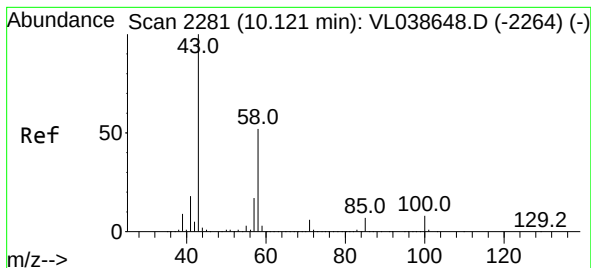
Reviewed By :Semsettin Yesilyurt 03/23/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#50  
4-Methyl-2-Pentanone  
Concen: 10.047 ppbv  
RT: 8.722 min Scan# 1846  
Delta R.T. -0.006 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

Tgt Ion: 43 Resp: 1768481  
Ion Ratio Lower Upper  
43 100  
58 37.1 29.9 44.9





#51

2-Hexanone

Concen: 10.749 ppbv

RT: 10.108 min Scan# 21

Delta R.T. -0.013 min

Lab File: VL038680.D

Acq: 22 Mar 2022 10:57

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 135908

Ion Ratio Lower Upper

43 100

58 51.9 41.2 61.8

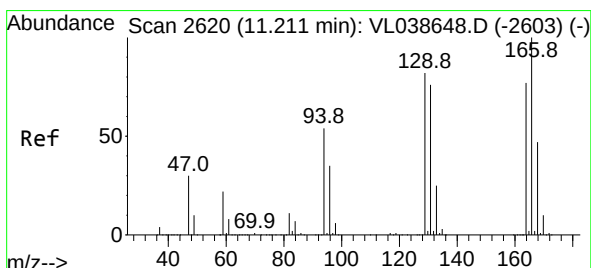
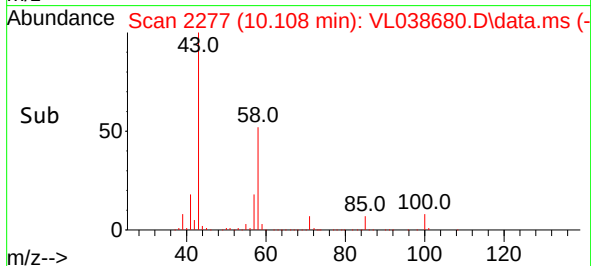
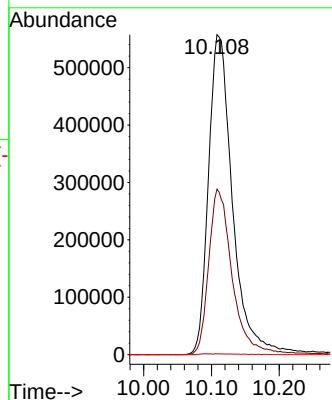
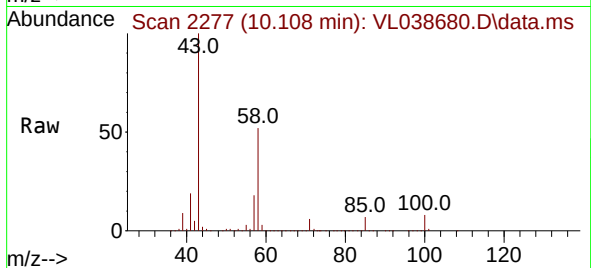
98 0.4 0.2 0.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022

Supervised By :Mahesh Dadoda 03/24/2022



#52

Tetrachloroethene

Concen: 9.425 ppbv

RT: 11.204 min Scan# 2618

Delta R.T. -0.006 min

Lab File: VL038680.D

Acq: 22 Mar 2022 10:57

Tgt Ion:164 Resp: 636788

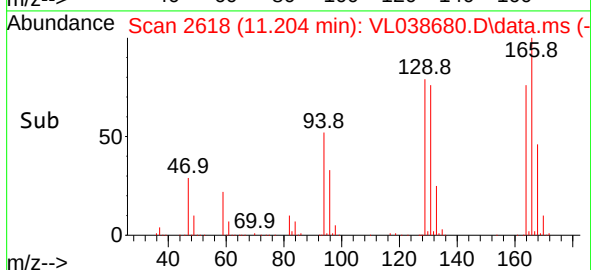
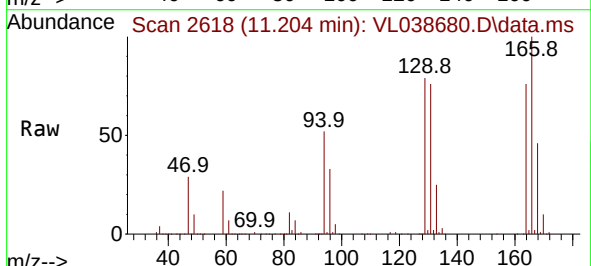
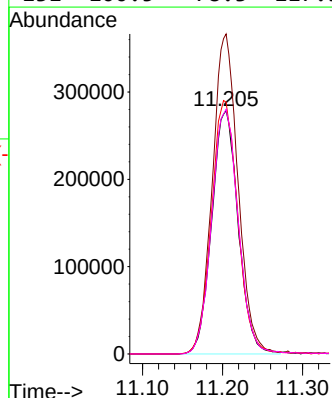
Ion Ratio Lower Upper

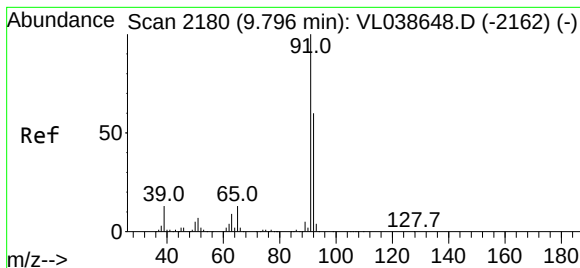
164 100

166 131.5 103.3 154.9

129 103.4 85.2 127.8

131 100.5 78.3 117.5





#53

Toluene

Concen: 10.164 ppbv

RT: 9.783 min Scan# 2176

Delta R.T. -0.013 min

Lab File: VL038680.D

Acq: 22 Mar 2022 10:57

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 2016250

Ion Ratio Lower Upper

91 100

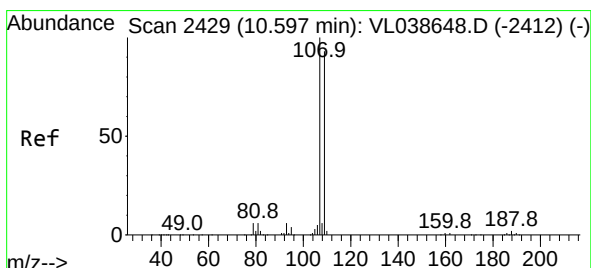
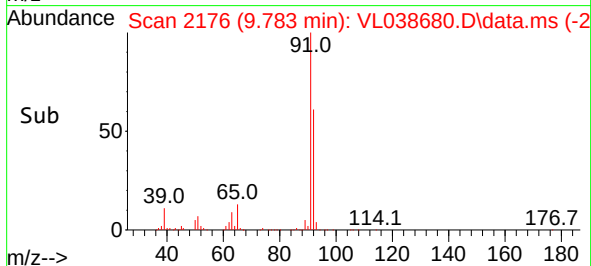
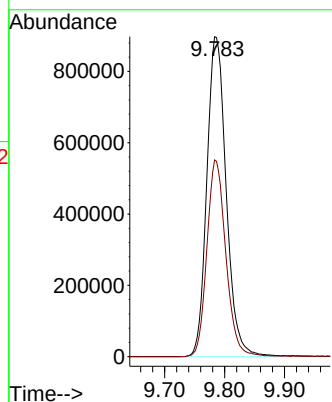
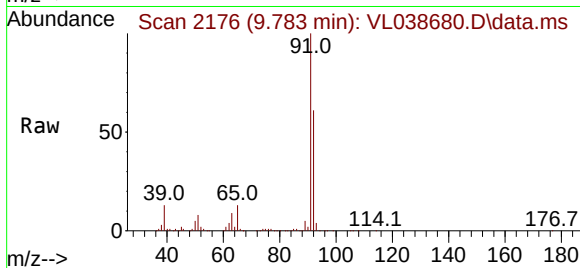
92 60.4 48.7 73.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/23/2022

Supervised By :Mahesh Dadoda 03/24/2022



#54

1,2-Dibromoethane

Concen: 10.255 ppbv

RT: 10.590 min Scan# 2427

Delta R.T. -0.006 min

Lab File: VL038680.D

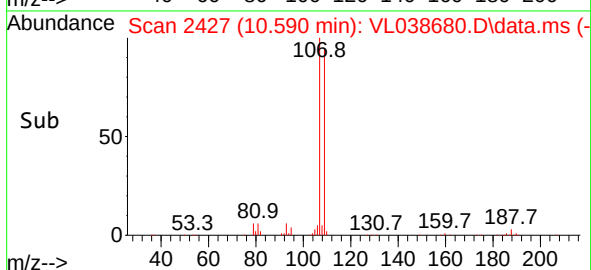
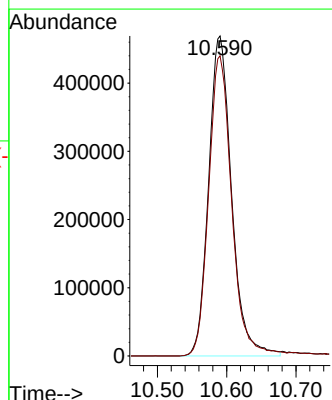
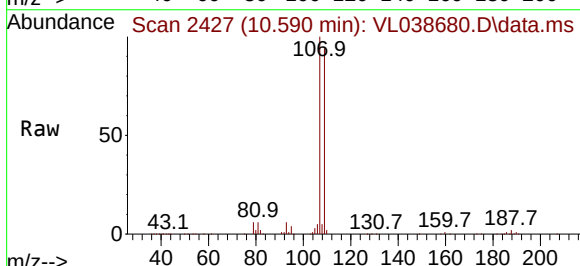
Acq: 22 Mar 2022 10:57

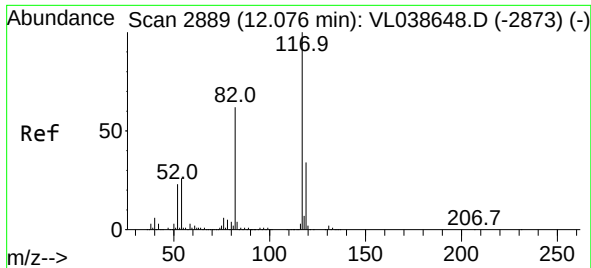
Tgt Ion:107 Resp: 1078994

Ion Ratio Lower Upper

107 100

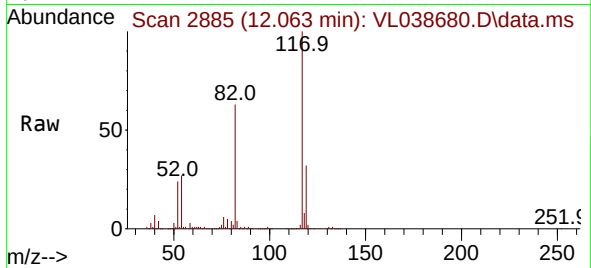
109 93.8 74.1 111.1





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv m  
RT: 12.063 min Scan# 2885  
Delta R.T. -0.013 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

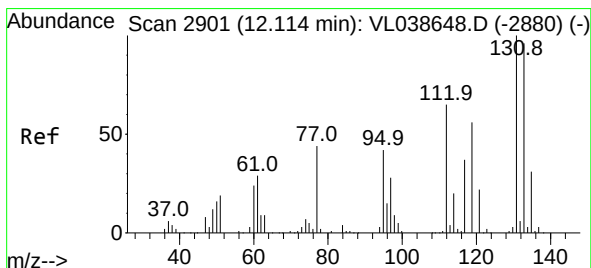
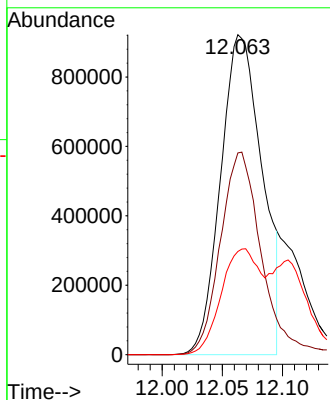
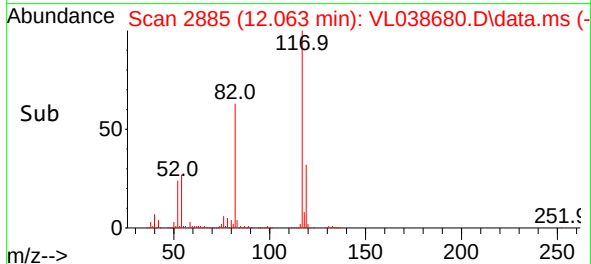
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



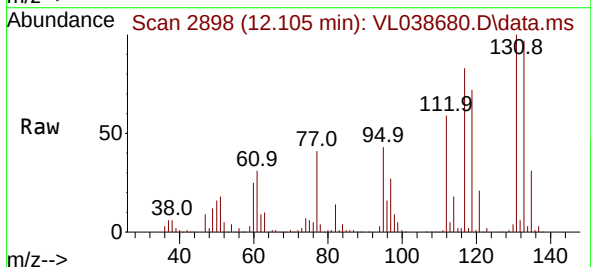
Tgt Ion:117 Resp: 2210408  
Ion Ratio Lower Upper  
117 100  
82 64.2 51.6 77.4  
119 31.4 26.9 40.3

Manual Integrations  
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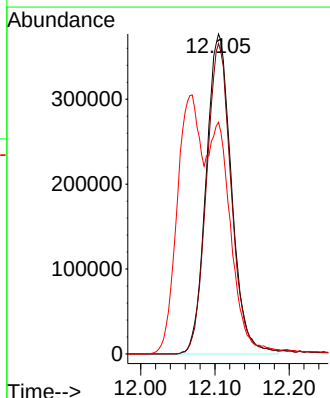
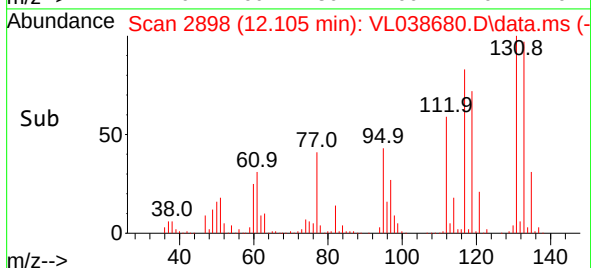
Reviewed By :Semsettin Yesilyurt 03/23/2022  
Supervised By :Mahesh Dadoda 03/24/2022

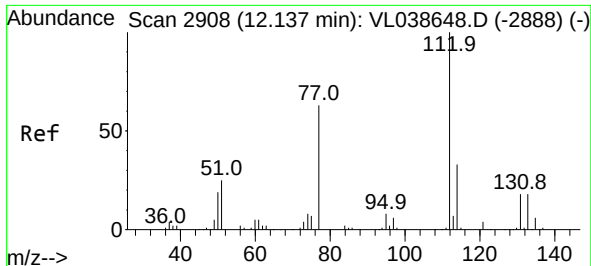


#56  
1,1,1,2-Tetrachloroethane  
Concen: 9.740 ppbv  
RT: 12.105 min Scan# 2898  
Delta R.T. -0.010 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57



Tgt Ion:131 Resp: 892585  
Ion Ratio Lower Upper  
131 100  
133 97.0 77.3 115.9  
119 68.9 53.0 79.6





#57

Chlorobenzene

Concen: 9.217 ppbv

RT: 12.124 min Scan# 2904

Delta R.T. -0.013 min

Lab File: VL038680.D

Acq: 22 Mar 2022 10:57

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

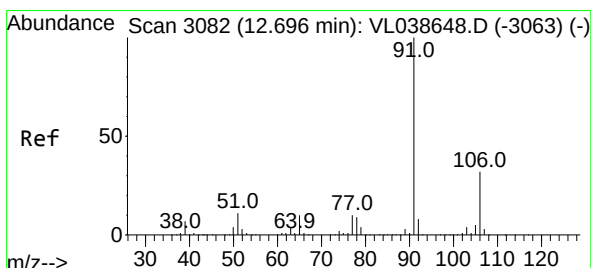
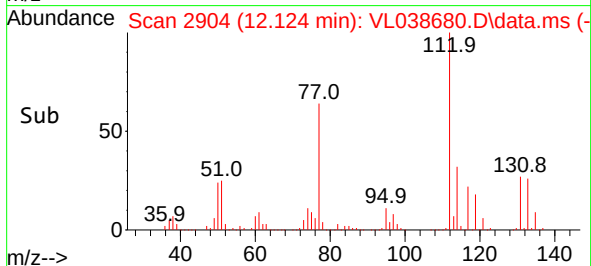
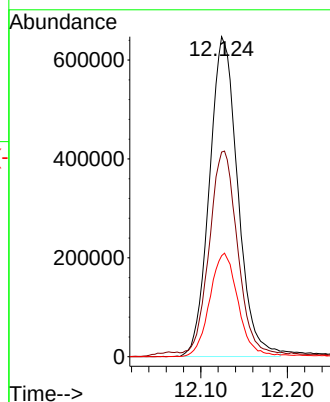
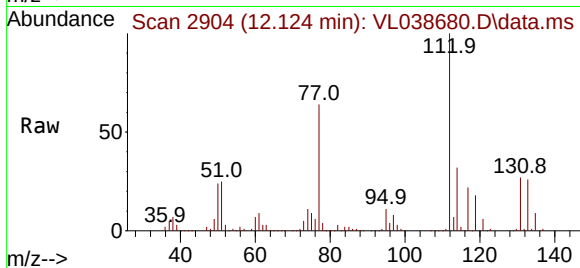
Tgt Ion: 112 Resp: 146934

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 77  | 62.8  | 51.0  | 76.6  |
| 114 | 31.5  | 29.8  | 36.4  |

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 03/23/2022  
Supervised By : Mahesh Dadoda 03/24/2022



#58

Ethyl Benzene

Concen: 9.962 ppbv

RT: 12.687 min Scan# 3079

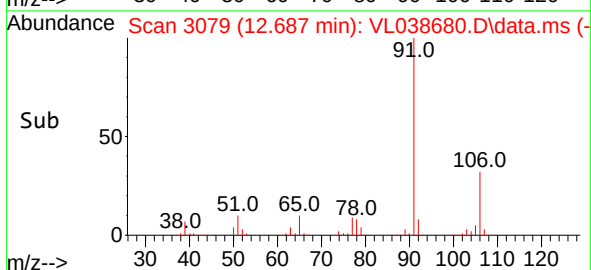
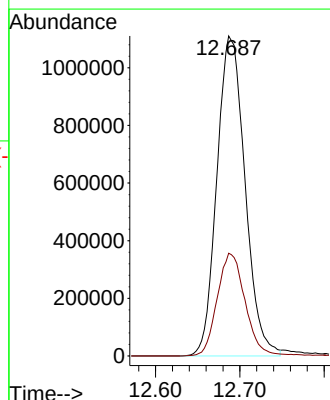
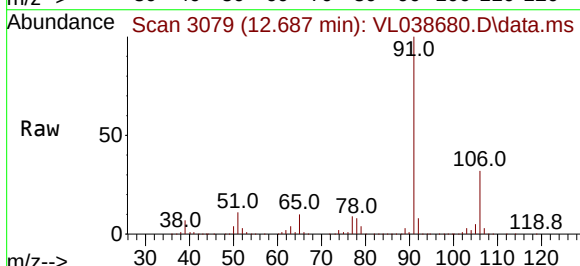
Delta R.T. -0.010 min

Lab File: VL038680.D

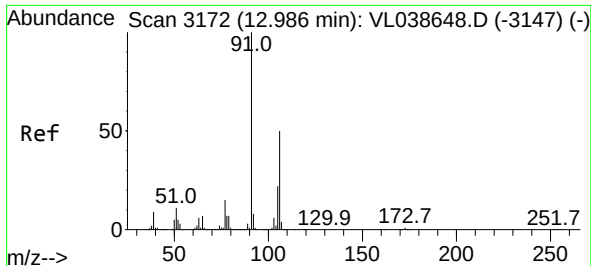
Acq: 22 Mar 2022 10:57

Tgt Ion: 91 Resp: 2574350

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 106 | 32.1  | 25.4  | 38.0  |







#59

m/p-Xylene

Concen: 19.237 ppbv m

RT: 12.973 min Scan# 3172

Delta R.T. -0.013 min

Lab File: VL038680.D

Acq: 22 Mar 2022 10:57

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 434845

Ion Ratio Lower Upper

91 100

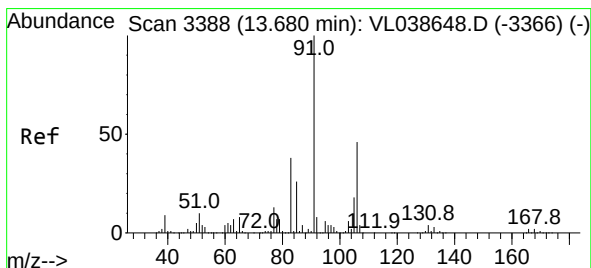
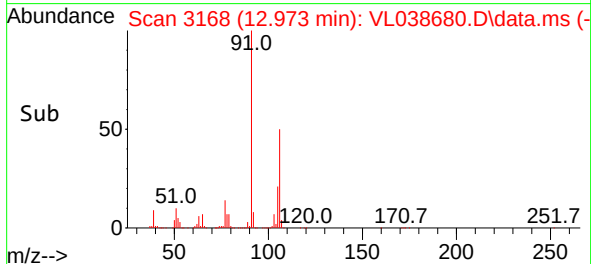
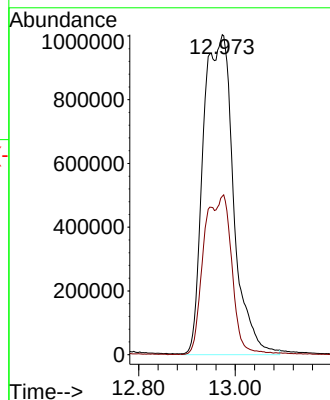
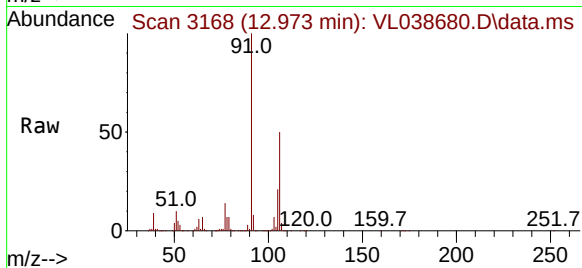
106 46.6 37.2 55.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022

Supervised By :Mahesh Dadoda 03/24/2022



#60

o-Xylene

Concen: 9.659 ppbv

RT: 13.671 min Scan# 3385

Delta R.T. -0.010 min

Lab File: VL038680.D

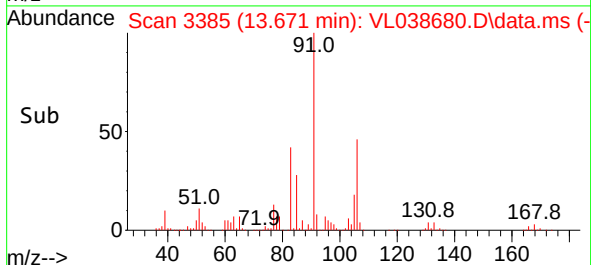
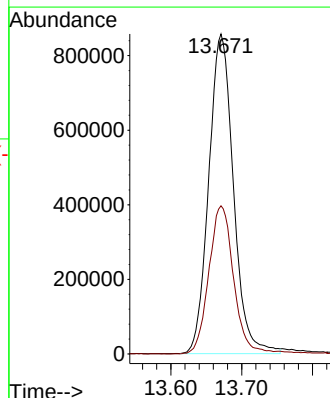
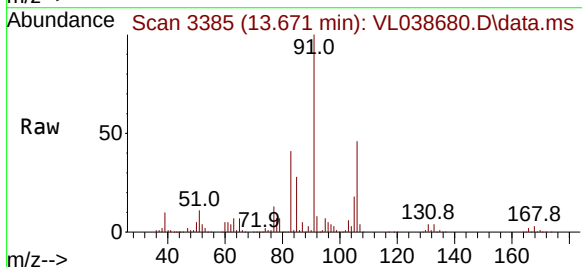
Acq: 22 Mar 2022 10:57

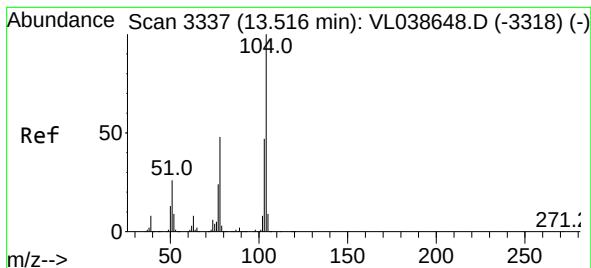
Tgt Ion: 91 Resp: 2072973

Ion Ratio Lower Upper

91 100

106 47.5 23.5 70.5





#61

Styrene

Concen: 10.978 ppbv

RT: 13.503 min Scan# 31

Delta R.T. -0.013 min

Lab File: VL038680.D

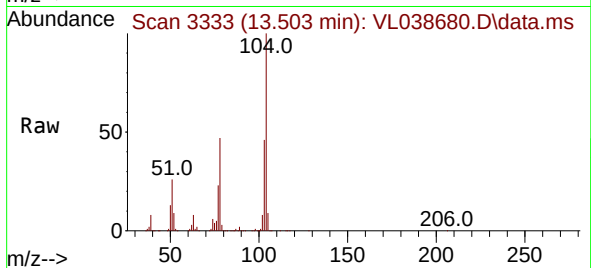
Acq: 22 Mar 2022 10:57

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion:104 Resp: 1277714

Ion Ratio Lower Upper

104 100

78 48.6 39.0 58.4

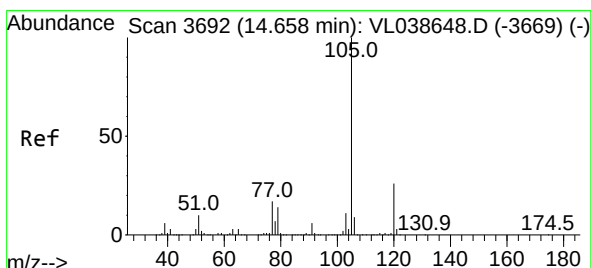
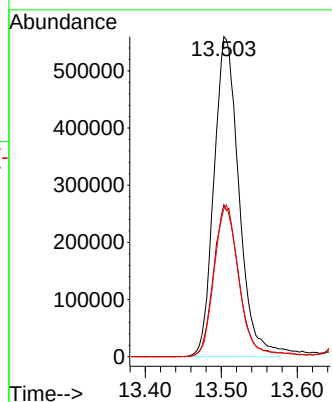
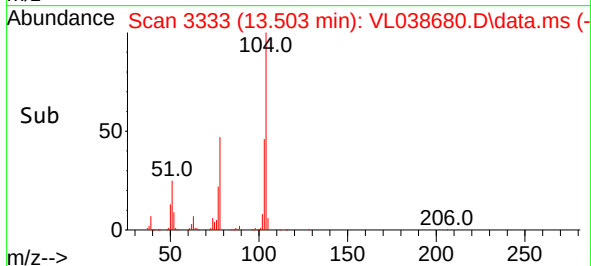
103 47.8 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022

Supervised By :Mahesh Dadoda 03/24/2022



#62

Isopropylbenzene

Concen: 9.865 ppbv

RT: 14.645 min Scan# 3688

Delta R.T. -0.013 min

Lab File: VL038680.D

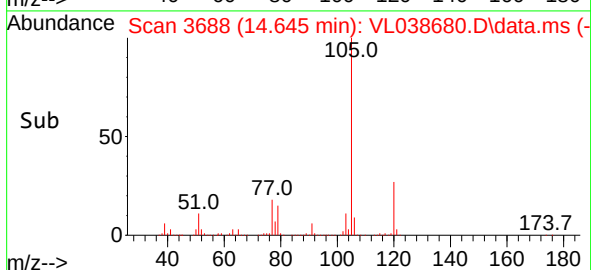
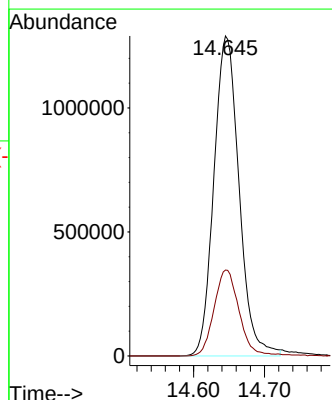
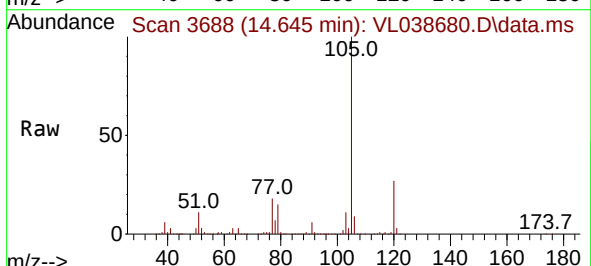
Acq: 22 Mar 2022 10:57

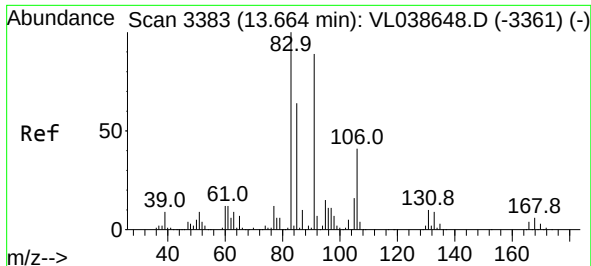
Tgt Ion:105 Resp: 3182832

Ion Ratio Lower Upper

105 100

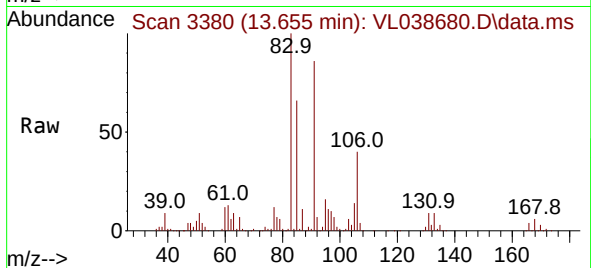
120 27.0 21.2 31.8





#63  
1,1,2,2-Tetrachloroethane  
Concen: 8.773 ppbv  
RT: 13.655 min Scan# 31  
Delta R.T. -0.010 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

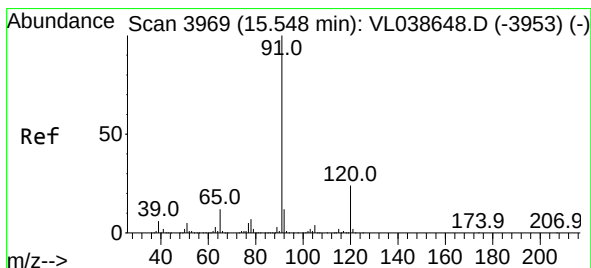
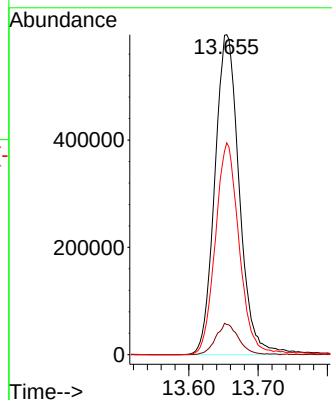
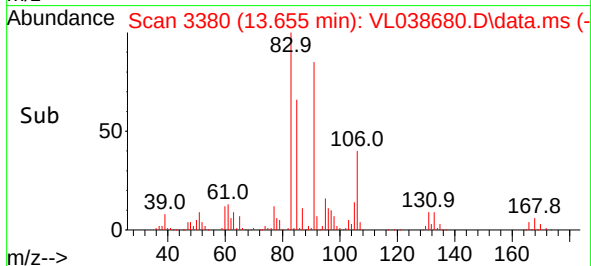
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



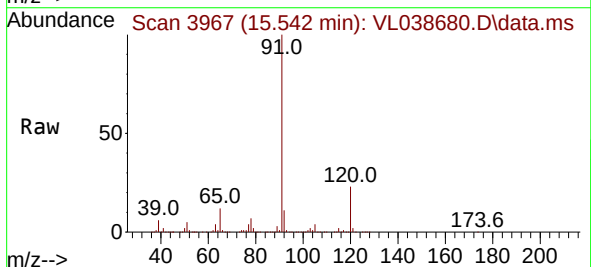
Tgt Ion: 83 Resp: 145849  
Ion Ratio Lower Upper  
83 100  
131 9.3 4.8 14.3  
85 65.7 32.6 97.8

Manual Integrations  
APPROVED

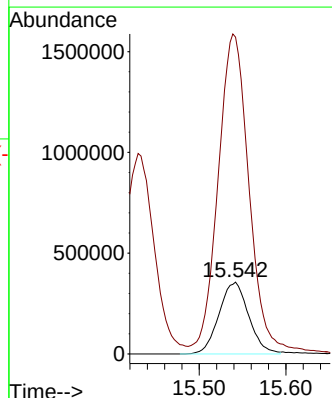
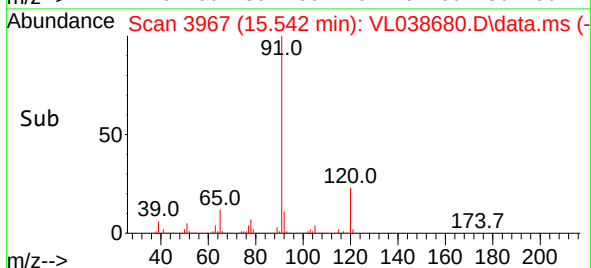
Reviewed By :Semsettin Yesilyurt 03/23/2022  
Supervised By :Mahesh Dadoda 03/24/2022

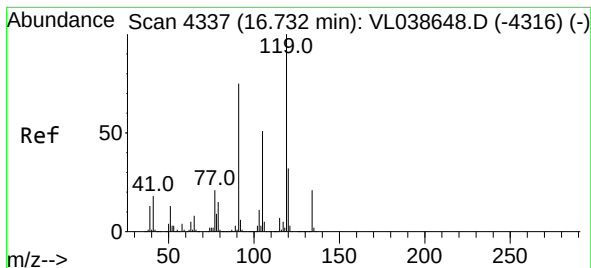


#64  
n-propylbenzene  
Concen: 10.021 ppbv  
RT: 15.542 min Scan# 3967  
Delta R.T. -0.006 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57



Tgt Ion:120 Resp: 848405  
Ion Ratio Lower Upper  
120 100  
91 470.0 368.0 552.0





#65

tert-Butylbenzene

Concen: 9.622 ppbv

RT: 16.722 min Scan# 41

Delta R.T. -0.010 min

Lab File: VL038680.D

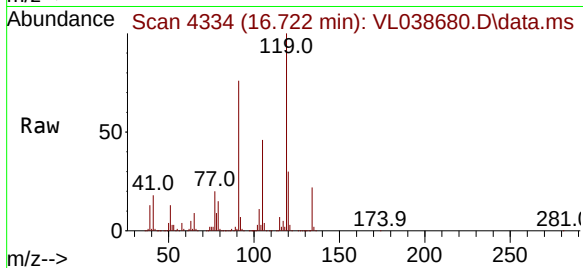
Acq: 22 Mar 2022 10:57

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion: 119 Resp: 2789780

Ion Ratio Lower Upper

119 100

91 76.6 61.2 91.8

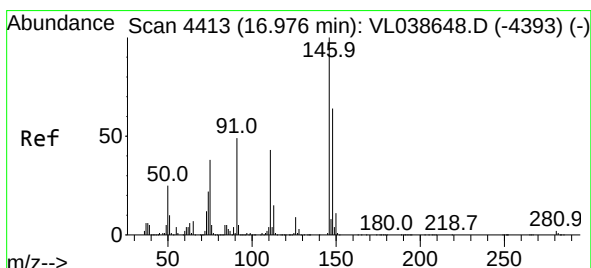
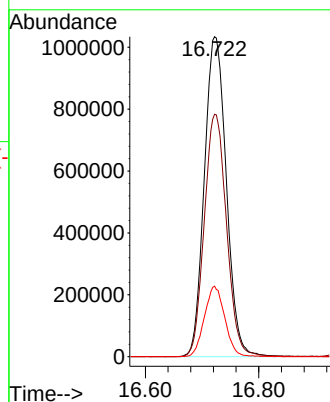
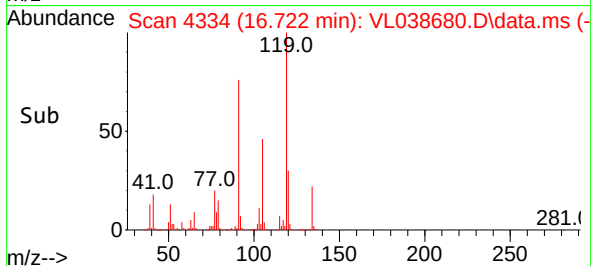
134 20.5 16.3 24.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022

Supervised By :Mahesh Dadoda 03/24/2022



#66

Benzyl Chloride

Concen: 10.573 ppbv

RT: 16.966 min Scan# 4410

Delta R.T. -0.010 min

Lab File: VL038680.D

Acq: 22 Mar 2022 10:57

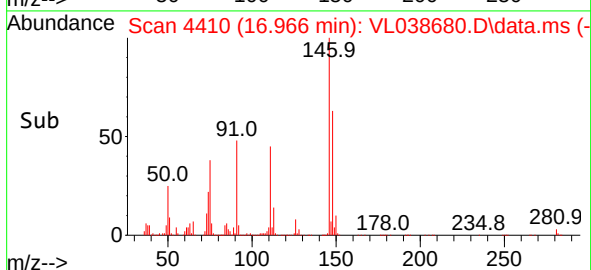
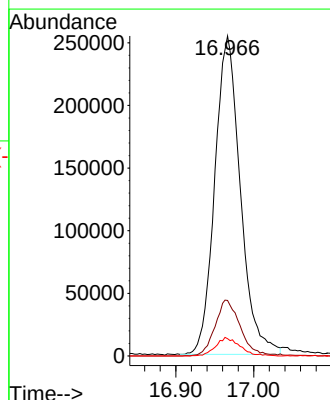
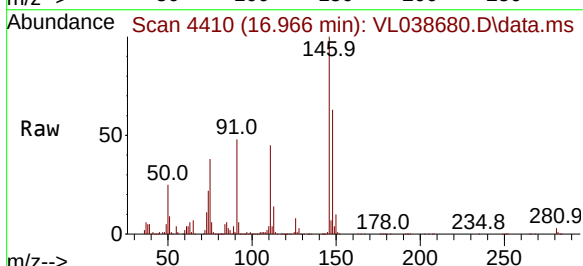
Tgt Ion: 91 Resp: 580409

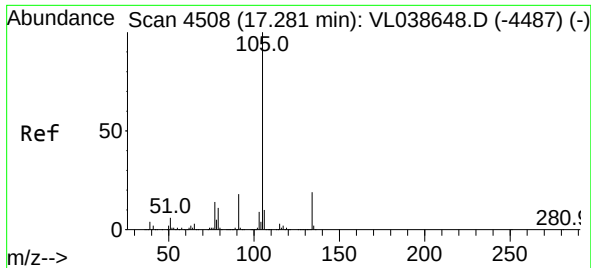
Ion Ratio Lower Upper

91 100

126 17.6 14.3 21.5

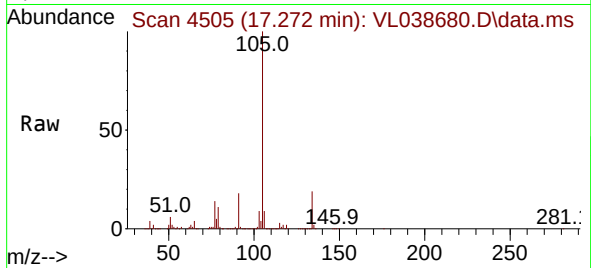
128 5.5 4.6 6.8





#67  
 sec-Butylbenzene  
 Concen: 9.638 ppbv  
 RT: 17.272 min Scan# 410  
 Delta R.T. -0.010 min  
 Lab File: VL038680.D  
 Acq: 22 Mar 2022 10:57

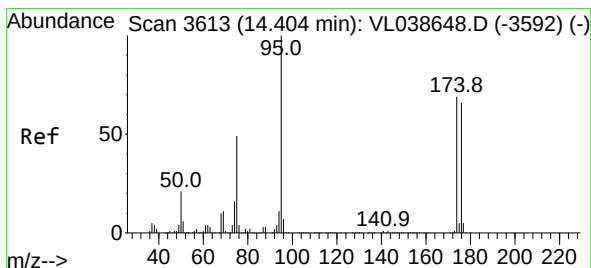
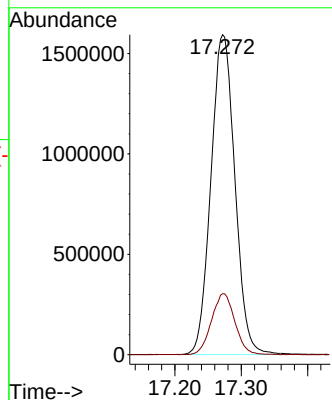
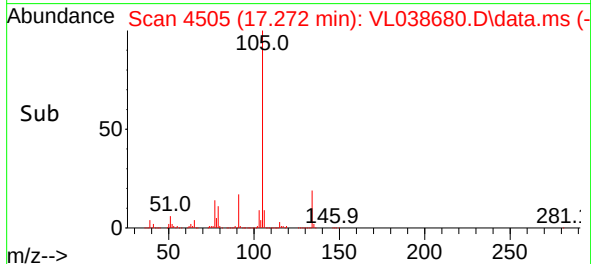
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC



Tgt Ion:105 Resp: 3996088  
 Ion Ratio Lower Upper  
 105 100  
 134 18.7 15.1 22.7

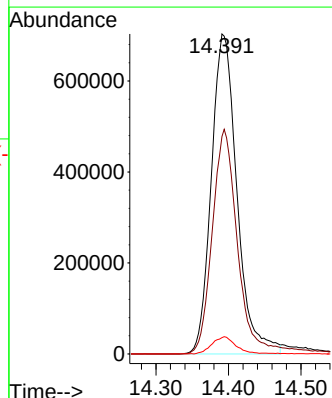
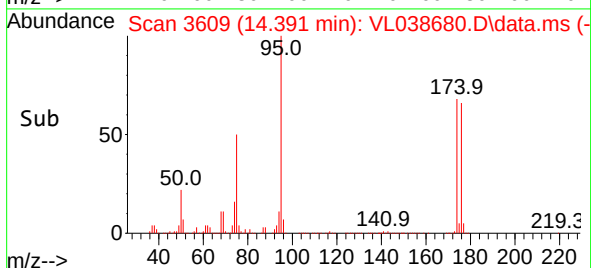
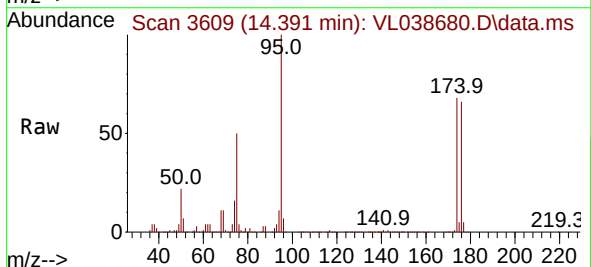
Manual Integrations  
 APPROVED

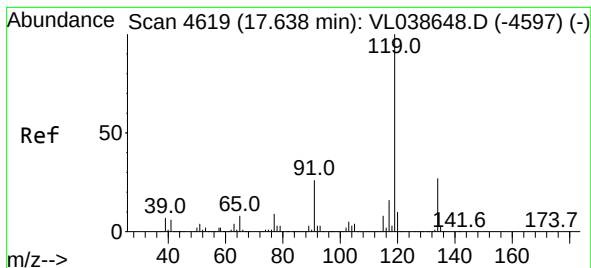
Reviewed By :Semsettin Yesilyurt 03/23/2022  
 Supervised By :Mahesh Dadoda 03/24/2022



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.213 ppbv  
 RT: 14.391 min Scan# 3609  
 Delta R.T. -0.013 min  
 Lab File: VL038680.D  
 Acq: 22 Mar 2022 10:57

Tgt Ion: 95 Resp: 1730822  
 Ion Ratio Lower Upper  
 95 100  
 174 70.7 56.1 84.1  
 175 5.3 4.2 6.2





#69

p-Isopropyltoluene

Concen: 9.688 ppbv

RT: 17.632 min Scan# 4619

Delta R.T. -0.006 min

Lab File: VL038680.D

Acq: 22 Mar 2022 10:57

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:119 Resp: 327826

Ion Ratio Lower Upper

119 100

134 26.4 21.2 31.8

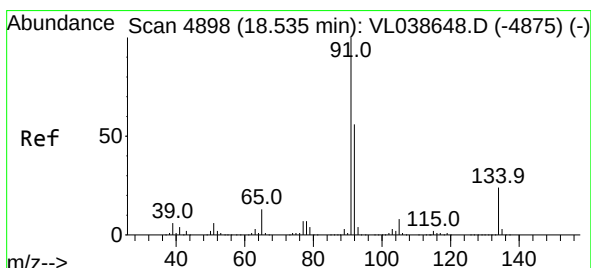
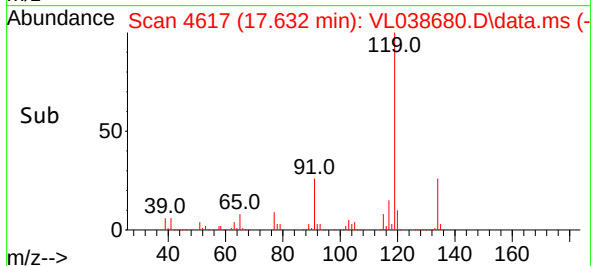
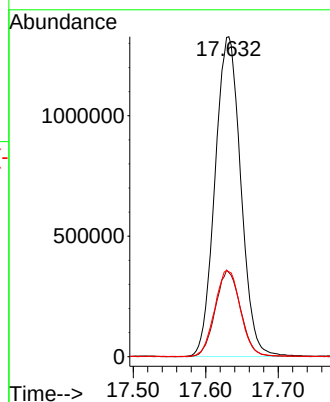
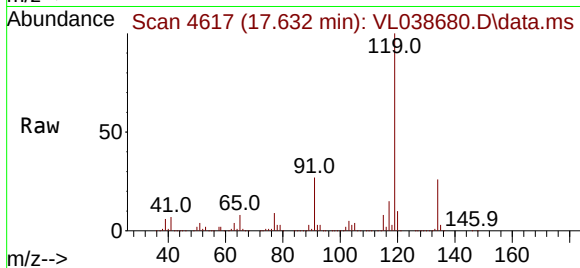
91 26.9 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022

Supervised By :Mahesh Dadoda 03/24/2022



#70

n-Butylbenzene

Concen: 9.667 ppbv

RT: 18.529 min Scan# 4896

Delta R.T. -0.006 min

Lab File: VL038680.D

Acq: 22 Mar 2022 10:57

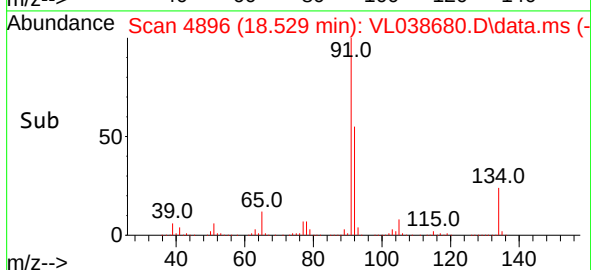
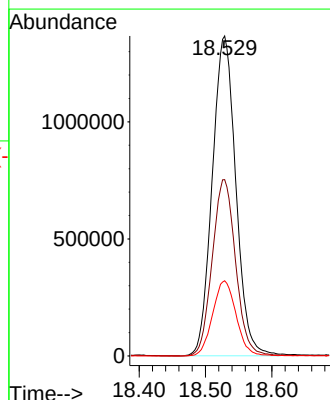
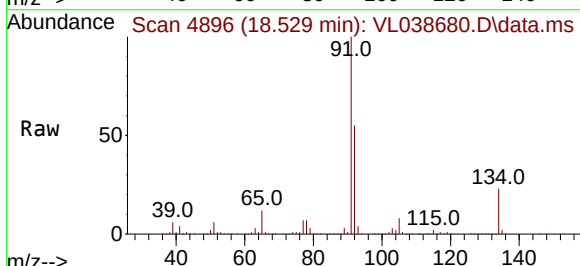
Tgt Ion: 91 Resp: 3374149

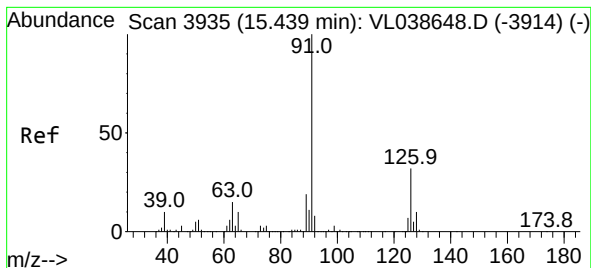
Ion Ratio Lower Upper

91 100

92 54.8 43.9 65.9

134 23.6 18.7 28.1





#71

2-Chlorotoluene

Concen: 9.910 ppbv

RT: 15.429 min Scan# 3935

Delta R.T. -0.010 min

Lab File: VL038680.D

Acq: 22 Mar 2022 10:57

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 237327

Ion Ratio Lower Upper

91 100

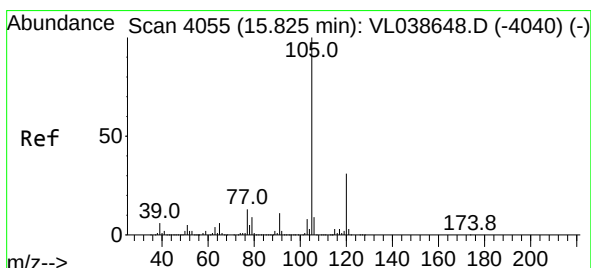
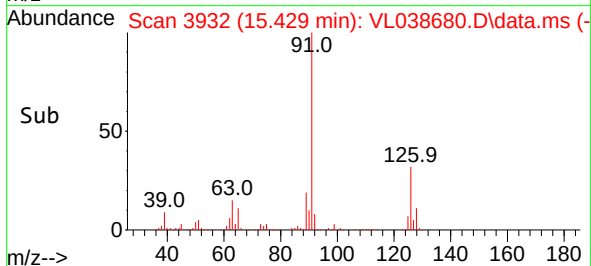
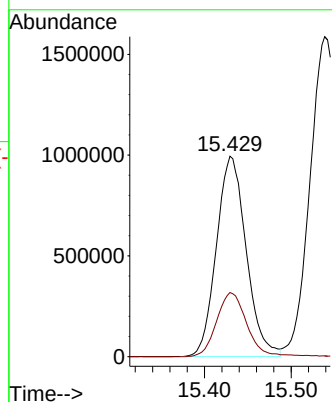
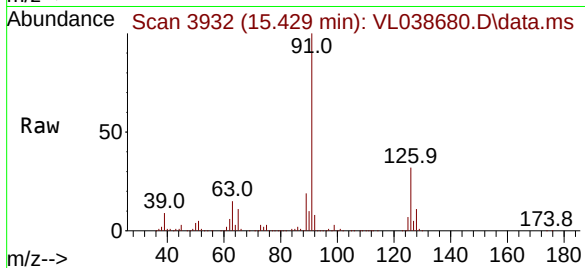
126 33.0 13.1 52.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022

Supervised By :Mahesh Dadoda 03/24/2022



#72

4-Ethyltoluene

Concen: 10.029 ppbv

RT: 15.818 min Scan# 4053

Delta R.T. -0.006 min

Lab File: VL038680.D

Acq: 22 Mar 2022 10:57

Tgt Ion:105 Resp: 2541005

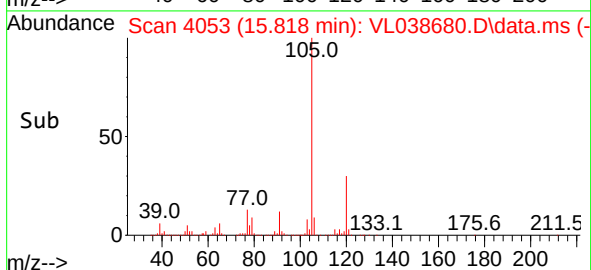
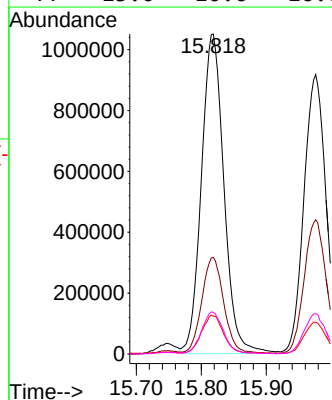
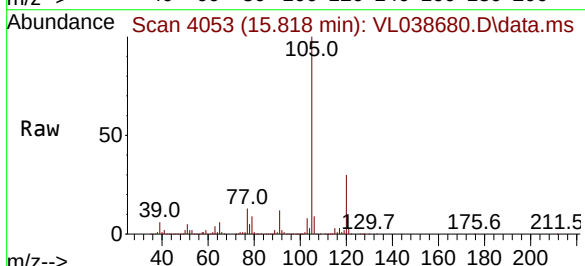
Ion Ratio Lower Upper

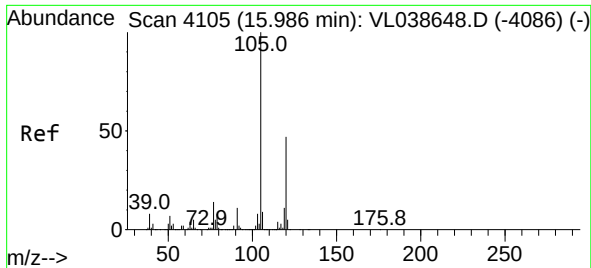
105 100

120 29.9 24.9 37.3

91 11.6 9.8 14.6

77 13.0 10.6 16.0





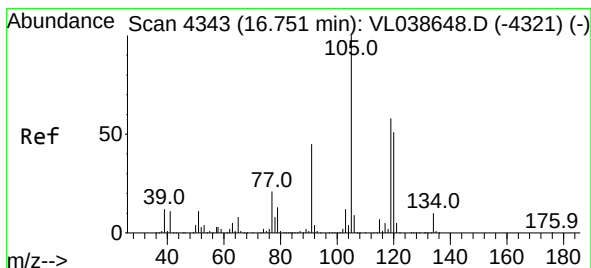
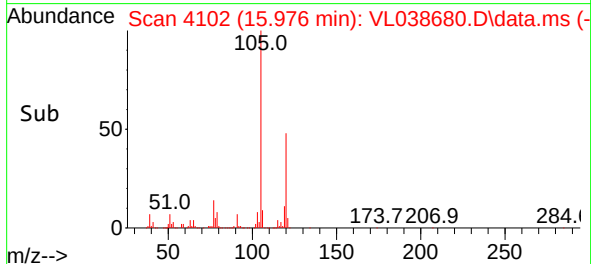
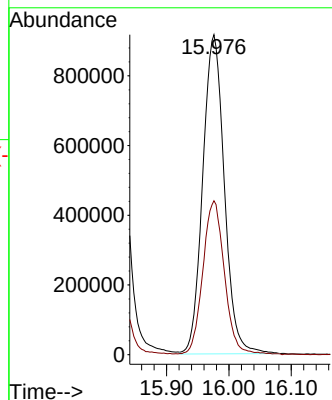
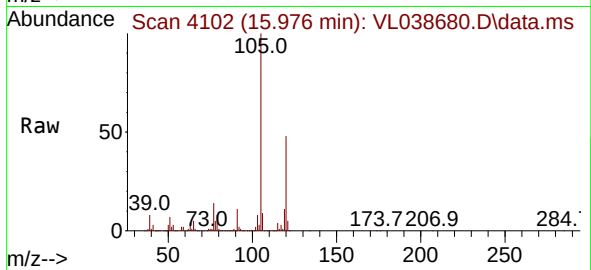
#73  
 1,3,5-Trimethylbenzene  
 Concen: 9.551 ppbv  
 RT: 15.976 min Scan# 4105  
 Delta R.T. -0.010 min  
 Lab File: VL038680.D  
 Acq: 22 Mar 2022 10:57

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Tgt Ion:105 Resp: 2205036  
 Ion Ratio Lower Upper  
 105 100  
 120 48.0 37.6 56.4

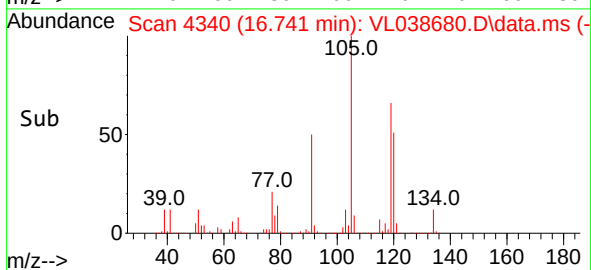
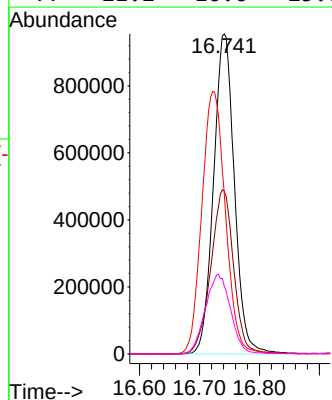
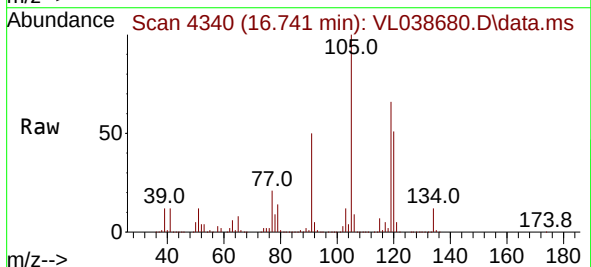
Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022  
 Supervised By :Mahesh Dadoda 03/24/2022

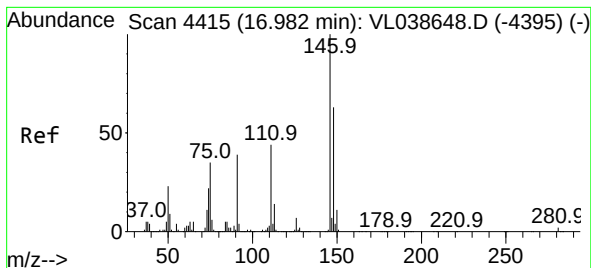


#74  
 1,2,4-Trimethylbenzene  
 Concen: 9.159 ppbv  
 RT: 16.741 min Scan# 4340  
 Delta R.T. -0.010 min  
 Lab File: VL038680.D  
 Acq: 22 Mar 2022 10:57

Tgt Ion:105 Resp: 2303169  
 Ion Ratio Lower Upper  
 105 100  
 120 50.9 40.5 60.7  
 91 50.1 35.9 53.9  
 77 21.2 16.6 25.0







#75

1,3-Dichlorobenzene

Concen: 8.887 ppbv

RT: 16.973 min Scan# 4415

Delta R.T. -0.010 min

Lab File: VL038680.D

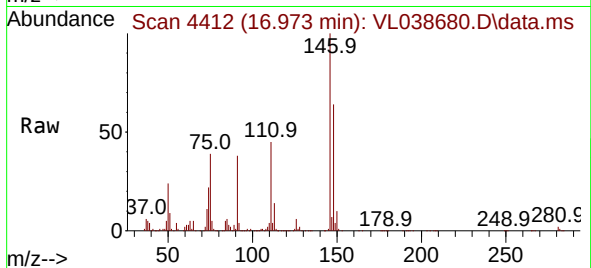
Acq: 22 Mar 2022 10:57

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion:146 Resp: 1423450

Ion Ratio Lower Upper

146 100

111 44.9 22.2 66.6

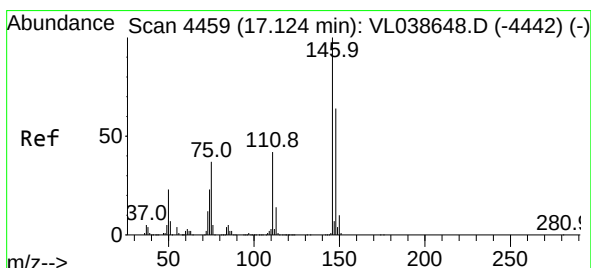
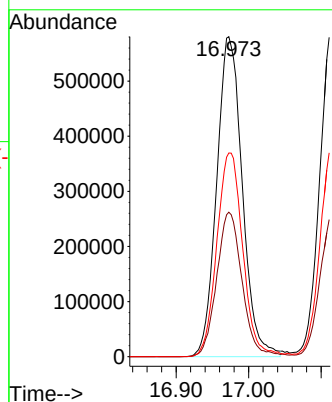
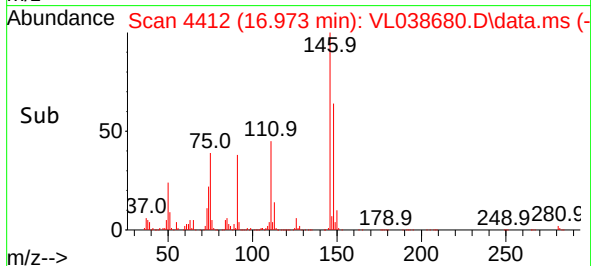
148 64.7 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022

Supervised By :Mahesh Dadoda 03/24/2022



#76

1,4-Dichlorobenzene

Concen: 8.811 ppbv

RT: 17.114 min Scan# 4456

Delta R.T. -0.010 min

Lab File: VL038680.D

Acq: 22 Mar 2022 10:57

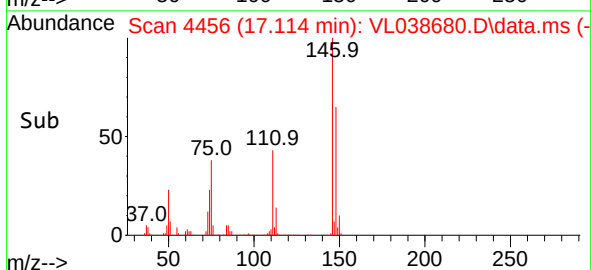
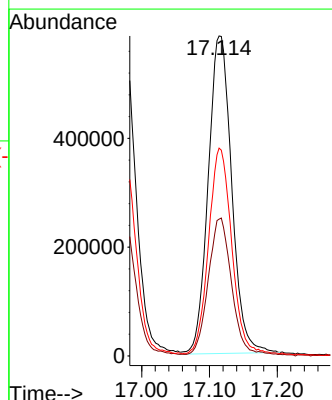
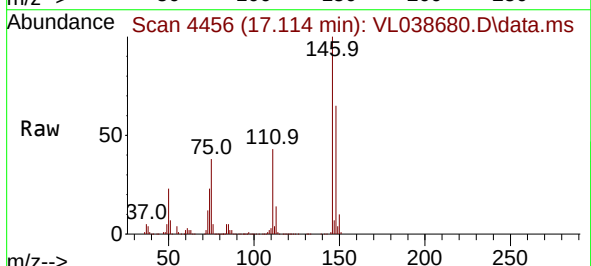
Tgt Ion:146 Resp: 1403455

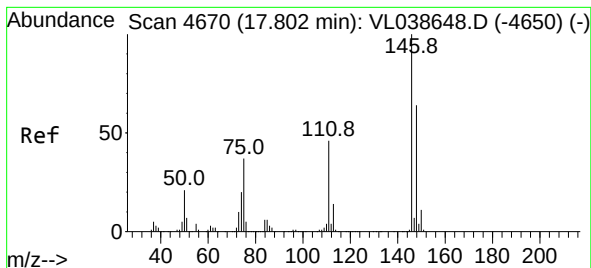
Ion Ratio Lower Upper

146 100

111 43.4 21.4 64.2

148 65.7 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 8.723 ppbv

RT: 17.793 min Scan# 4667

Delta R.T. -0.010 min

Lab File: VL038680.D

Acq: 22 Mar 2022 10:57

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:146 Resp: 1384078

Ion Ratio Lower Upper

146 100

111 46.5 22.8 68.4

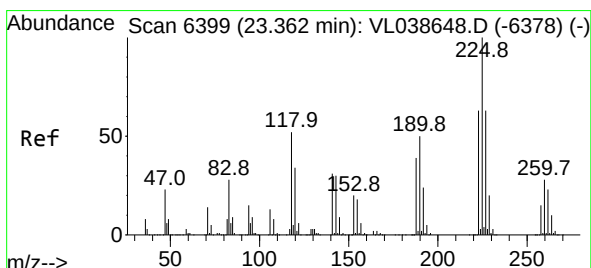
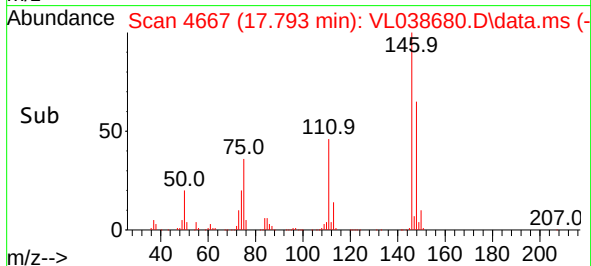
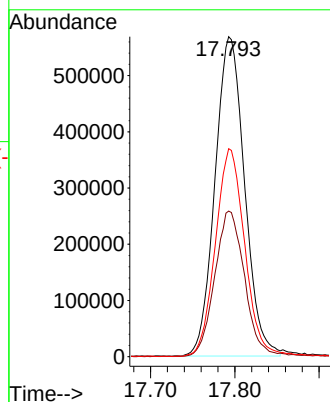
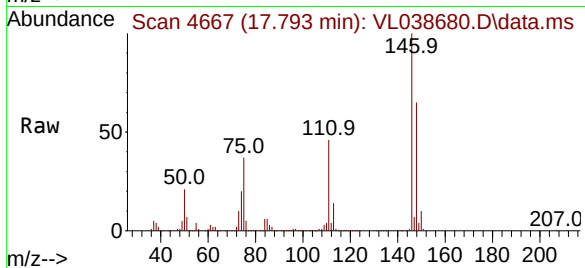
148 65.0 32.5 97.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022

Supervised By :Mahesh Dadoda 03/24/2022



#78

Hexachloro-1,3-Butadiene

Concen: 6.886 ppbv

RT: 23.352 min Scan# 6396

Delta R.T. -0.010 min

Lab File: VL038680.D

Acq: 22 Mar 2022 10:57

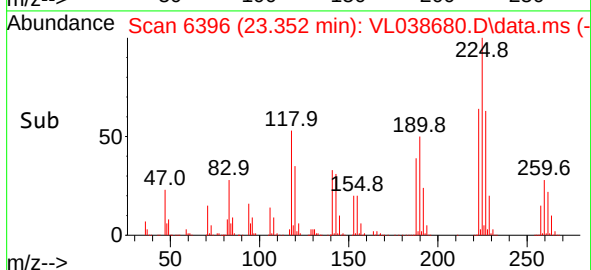
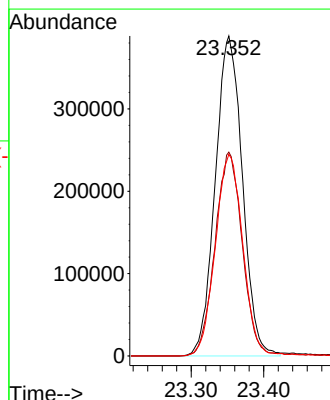
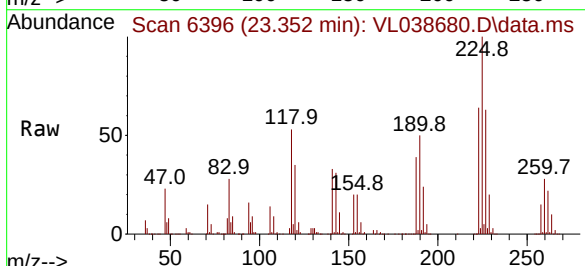
Tgt Ion:225 Resp: 1009807

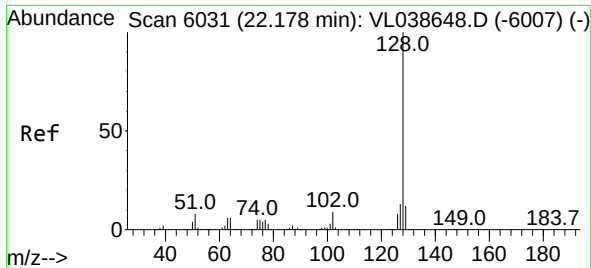
Ion Ratio Lower Upper

225 100

223 64.6 51.0 76.6

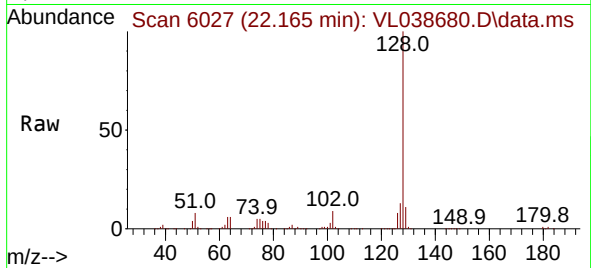
227 64.4 51.5 77.3





#79  
Naphthalene  
Concen: 9.556 ppbv  
RT: 22.165 min Scan# 6031  
Delta R.T. -0.013 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

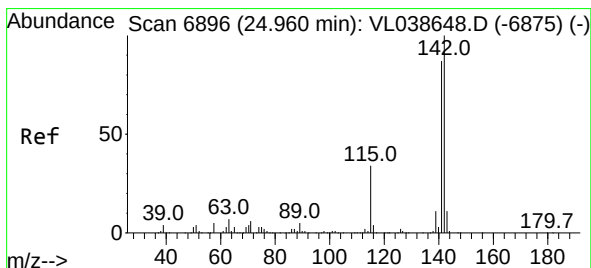
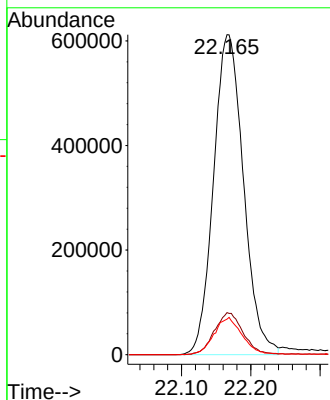
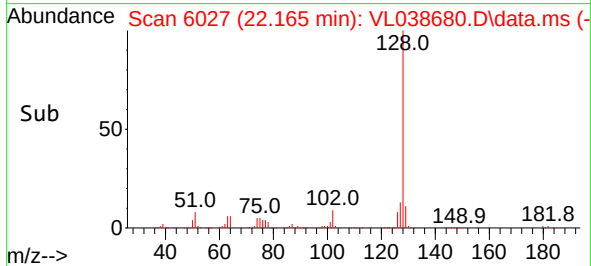
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion:128 Resp: 1835930  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.2 15.4  
129 11.1 9.2 13.8

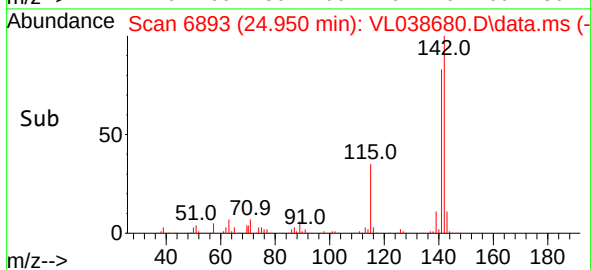
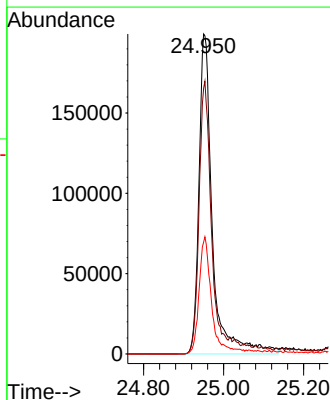
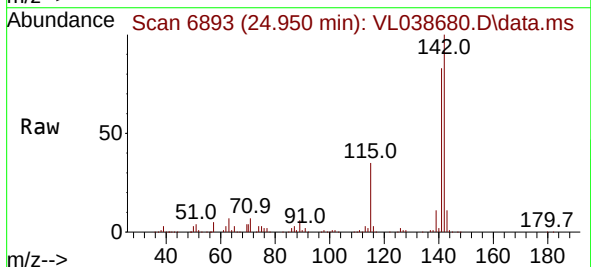
Manual Integrations  
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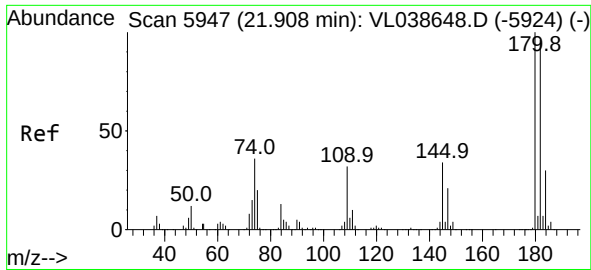
Reviewed By :Semsettin Yesilyurt 03/23/2022  
Supervised By :Mahesh Dadoda 03/24/2022



#80  
Naphthalene,2-methyl-  
Concen: 9.102 ppbv  
RT: 24.950 min Scan# 6893  
Delta R.T. -0.009 min  
Lab File: VL038680.D  
Acq: 22 Mar 2022 10:57

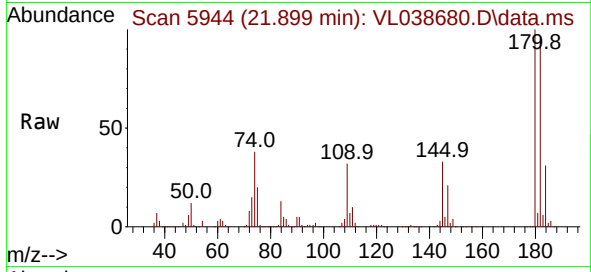
Tgt Ion:142 Resp: 468926  
Ion Ratio Lower Upper  
142 100  
141 83.7 66.4 99.6  
115 35.6 27.8 41.6





#81  
 1,2,4-Trichlorobenzene  
 Concen: 7.969 ppbv  
 RT: 21.899 min Scan# 5944  
 Delta R.T. -0.009 min  
 Lab File: VL038680.D  
 Acq: 22 Mar 2022 10:57

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC



Tgt Ion:180 Resp: 104802  
 Ion Ratio Lower Upper  
 180 100  
 182 97.4 79.2 118.8  
 184 30.6 24.8 37.2

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022  
 Supervised By :Mahesh Dadoda 03/24/2022

