

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL011623\  
 Data File : VL040091.D  
 Acq On : 16 Jan 2023 10:17  
 Operator : SY/MD  
 Sample : VSTDICCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/17/2023  
 Supervised By : Mahesh Dadoda 01/17/2023

Quant Time: Jan 16 11:07:04 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL011623AIR.M

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

QLast Update : Tue Jan 10 00:22:08 2023

Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.185  | 49   | 1090685  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.652  | 114  | 2857389  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.475 | 117  | 2791385m | 10.000 | ppbv  | 0.00     |

#### System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 2391754 11.217 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 112.200%

#### Target Compounds

|                               |       |     |         |        |        | Qvalue |
|-------------------------------|-------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.716 | 85  | 1691072 | 8.283  | ppbv   | 100    |
| 3) Chlorodifluoromethane      | 2.658 | 51  | 1219634 | 7.579  | ppbv   | 97     |
| 4) Chloromethane              | 2.800 | 50  | 774844  | 7.684  | ppbv   | 98     |
| 5) Vinyl Chloride             | 2.906 | 62  | 673601  | 8.257  | ppbv   | 99     |
| 6) Bromomethane               | 3.105 | 94  | 238709  | 7.963  | ppbv   | 95     |
| 7) Chloroethane               | 3.185 | 64  | 244047  | 7.929  | ppbv   | 98     |
| 8) Dichlorotetrafluoroethane  | 2.841 | 85  | 1701729 | 7.922  | ppbv   | 97     |
| 9) Propene                    | 2.677 | 41  | 509683  | 7.463  | ppbv   | 99     |
| 10) Heptane                   | 7.581 | 43  | 1312891 | 7.877  | ppbv   | 99     |
| 11) Trichlorofluoromethane    | 3.552 | 101 | 1862673 | 8.396  | ppbv   | 96     |
| 12) 1,1,2-Trichlorotrifluo... | 4.057 | 101 | 1381207 | 8.221  | ppbv   | 97     |
| 13) Ethanol                   | 3.234 | 45  | 38789m  | 6.035  | ppbv   |        |
| 14) Bromoethene               | 3.353 | 108 | 532707  | 8.420  | ppbv   | 99     |
| 15) Acetone                   | 3.456 | 43  | 1204887 | 7.141  | ppbv   | 100    |
| 16) 1,3-Butadiene             | 2.970 | 39  | 593507  | 8.093  | ppbv   | 99     |
| 17) tert-Butyl alcohol        | 3.867 | 59  | 1263131 | 7.594  | ppbv   | 100    |
| 18) 1,1-Dichloroethene        | 3.870 | 96  | 605542  | 8.280  | ppbv   | 97     |
| 19) Isopropyl Alcohol         | 3.565 | 45  | 618891  | 7.443  | ppbv # | 97     |
| 20) Methylene Chloride        | 3.922 | 84  | 513211  | 7.156  | ppbv   | 95     |
| 21) Allyl Chloride            | 3.986 | 41  | 846346  | 8.348  | ppbv   | 99     |
| 22) trans-1,2-Dichloroethene  | 4.436 | 96  | 626975  | 8.602  | ppbv   | 93     |
| 23) Vinyl Acetate             | 4.619 | 43  | 425369m | 7.952  | ppbv   |        |
| 24) 1,1-Dichloroethane        | 4.555 | 63  | 1265032 | 8.053  | ppbv   | 99     |
| 25) Ethyl Acetate             | 5.198 | 43  | 2267200 | 7.759  | ppbv   | 100    |
| 26) Hexane                    | 5.208 | 57  | 962031  | 7.834  | ppbv   | 100    |
| 27) Carbon Disulfide          | 4.115 | 76  | 1486757 | 9.598  | ppbv   | 99     |
| 28) Methyl tert-Butyl Ether   | 4.578 | 73  | 1117725 | 7.722  | ppbv   | 99     |
| 29) Chloroform                | 5.269 | 83  | 1535213 | 8.192  | ppbv   | 99     |
| 30) Cyclohexane               | 6.603 | 84  | 827066  | 7.604  | ppbv   | 97     |
| 31) cis-1,2-Dichloroethene    | 5.073 | 61  | 960295  | 8.211  | ppbv   | 97     |
| 32) 1,1,1-Trichloroethane     | 5.999 | 97  | 1733325 | 8.639  | ppbv   | 99     |
| 34) 2-Butanone                | 4.777 | 43  | 1359766 | 8.772  | ppbv   | 99     |
| 35) Carbon Tetrachloride      | 6.494 | 117 | 1827089 | 10.295 | ppbv   | 97     |
| 36) Benzene                   | 6.369 | 78  | 2111959 | 8.276  | ppbv   | 97     |
| 37) 1,2-Dichloroethane        | 5.803 | 62  | 1343081 | 8.972  | ppbv   | 97     |
| 38) Trichloroethene           | 7.291 | 130 | 1253479 | 9.558  | ppbv   | 99     |
| 39) 1,2-Dichloropropane       | 7.073 | 63  | 823699  | 8.611  | ppbv   | 99     |
| 40) 1,4-Dioxane               | 7.288 | 88  | 336890  | 7.814  | ppbv   | 82     |
| 41) Tetrahydrofuran           | 5.552 | 42  | 792606  | 8.192  | ppbv   | 98     |
| 42) Bromodichloromethane      | 7.250 | 83  | 1971916 | 9.615  | ppbv   | 98     |
| 43) Methyl Methacrylate       | 7.478 | 69  | 865035  | 9.032  | ppbv   | 97     |
| 44) 2,2,4-Trimethylpentane    | 7.327 | 57  | 3562653 | 8.480  | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 8.713 | 75  | 844909  | 10.438 | ppbv   | 100    |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL011623\  
 Data File : VL040091.D  
 Acq On : 16 Jan 2023 10:17  
 Operator : SY/MD  
 Sample : VSTDICCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023  
 Supervised By :Mahesh Dadoda 01/17/2023

Quant Time: Jan 16 11:07:04 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL011623AIR.M

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

QLast Update : Tue Jan 10 00:22:08 2023

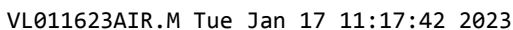
Response via : Initial Calibration

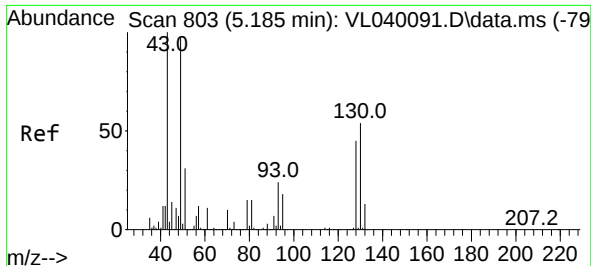
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.143  | 75   | 1130042  | 9.898  | ppbv   | 97       |
| 47) 1,1,2-Trichloroethane     | 8.902  | 97   | 894955   | 8.543  | ppbv   | 98       |
| 48) Dibromochloromethane      | 9.716  | 129  | 1595394  | 10.015 | ppbv   | 100      |
| 49) Bromoform                 | 12.413 | 173  | 1293213  | 10.641 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.185  | 43   | 2258006  | 8.916  | ppbv   | 100      |
| 51) 2-Hexanone                | 9.555  | 43   | 1802194  | 9.149  | ppbv # | 96       |
| 52) Tetrachloroethene         | 10.619 | 164  | 728732   | 8.399  | ppbv   | 95       |
| 53) Toluene                   | 9.224  | 91   | 2440919  | 8.639  | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 10.015 | 107  | 1034309  | 9.169  | ppbv   | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 11.513 | 131  | 1141134  | 8.862  | ppbv   | 96       |
| 57) Chlorobenzene             | 11.532 | 112  | 1901324  | 8.024  | ppbv   | 92       |
| 58) Ethyl Benzene             | 12.095 | 91   | 3379737  | 8.522  | ppbv   | 100      |
| 59) m/p-Xylene                | 12.378 | 91   | 5916654m | 17.125 | ppbv   |          |
| 60) o-Xylene                  | 13.066 | 91   | 2848607  | 8.606  | ppbv   | 98       |
| 61) Styrene                   | 12.909 | 104  | 1627593  | 9.168  | ppbv   | 98       |
| 62) Isopropylbenzene          | 14.037 | 105  | 3976139  | 8.332  | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.053 | 83   | 964447   | 7.947  | ppbv   | 98       |
| 64) n-propylbenzene           | 14.921 | 120  | 1012383  | 8.399  | ppbv   | 94       |
| 65) tert-Butylbenzene         | 16.101 | 119  | 3480692  | 8.393  | ppbv   | 97       |
| 66) Benzyl Chloride           | 16.342 | 91   | 275970m  | 11.411 | ppbv   |          |
| 67) sec-Butylbenzene          | 16.645 | 105  | 4909141  | 8.447  | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 17.005 | 119  | 3967265  | 8.545  | ppbv   | 99       |
| 70) n-Butylbenzene            | 17.899 | 91   | 4251027  | 8.740  | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 14.809 | 91   | 3104196  | 8.526  | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 15.204 | 105  | 3245461  | 8.830  | ppbv   | 98       |
| 73) 1,3,5-Trimethylbenzene    | 15.362 | 105  | 2870200  | 8.660  | ppbv   | 96       |
| 74) 1,2,4-Trimethylbenzene    | 16.117 | 105  | 3122664  | 8.547  | ppbv   | 97       |
| 75) 1,3-Dichlorobenzene       | 16.339 | 146  | 1720254  | 8.605  | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 16.484 | 146  | 1682199  | 8.619  | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 17.153 | 146  | 1628780  | 8.495  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 22.644 | 225  | 1051673  | 7.907  | ppbv # | 100      |
| 79) Naphthalene               | 21.394 | 128  | 2123672  | 9.755  | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 24.387 | 142  | 640414   | 9.615  | ppbv   | 100      |
| 81) 1,2,4-Trichlorobenzene    | 21.149 | 180  | 1112608  | 8.604  | ppbv   | 98       |

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

## Manual Integrations APPROVED

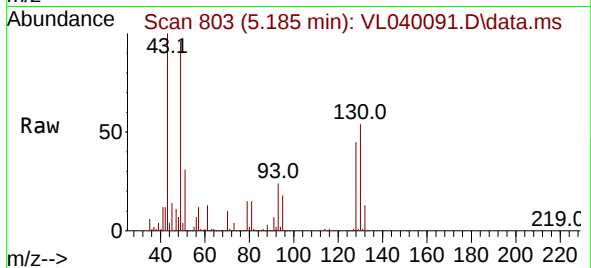
Quant Time: Jan 16 11:07:04 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL011623AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug  
QLast Update : Tue Jan 10 00:22:08 2023  
Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.185 min Scan# 803  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

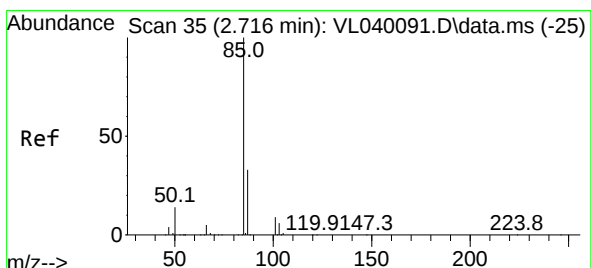
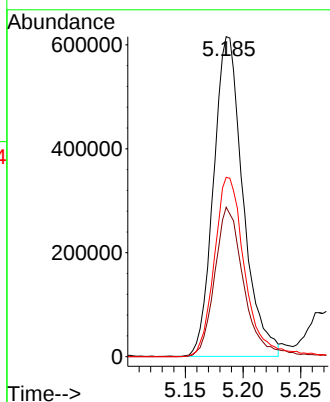
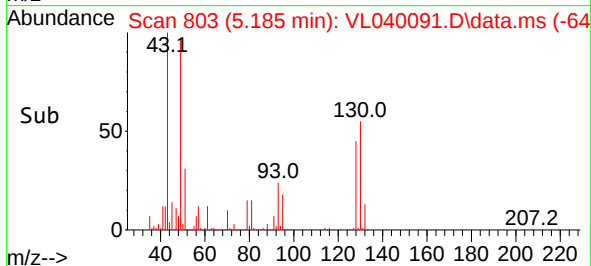
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 49 Resp: 109068  
Ion Ratio Lower Upper  
49 100  
128 47.3 22.4 67.3  
130 59.5 28.9 86.8

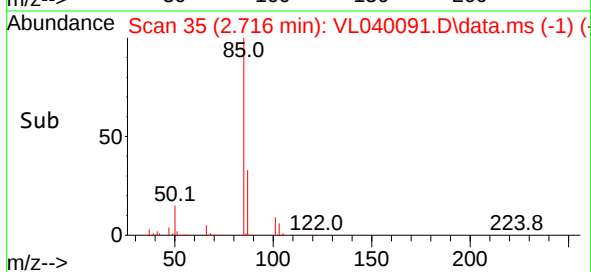
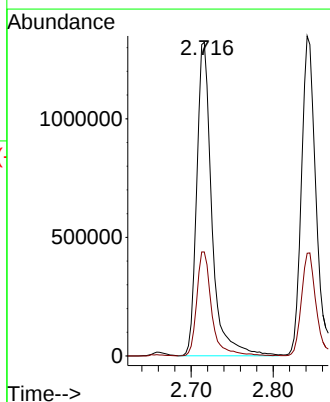
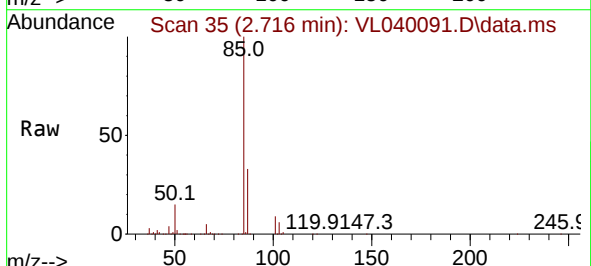
Manual Integrations  
APPROVED

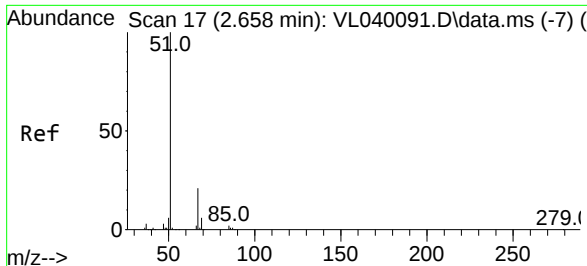
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023



#2  
Dichlorodifluoromethane  
Concen: 8.283 ppbv  
RT: 2.716 min Scan# 35  
Delta R.T. 0.003 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

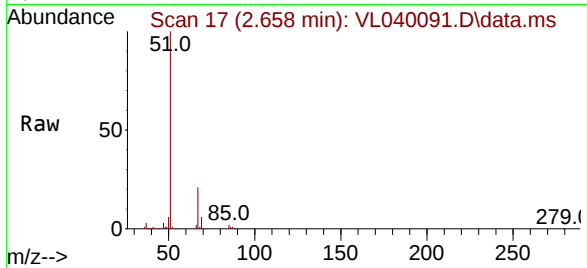
Tgt Ion: 85 Resp: 1691072  
Ion Ratio Lower Upper  
85 100  
87 33.1 26.6 40.0





#3  
Chlorodifluoromethane  
Concen: 7.579 ppbv  
RT: 2.658 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

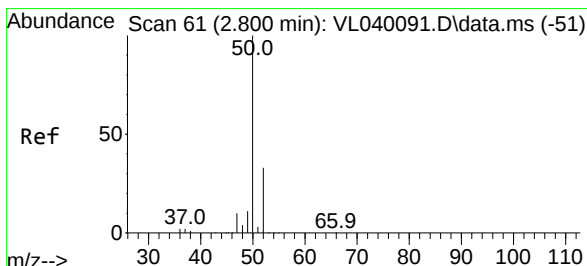
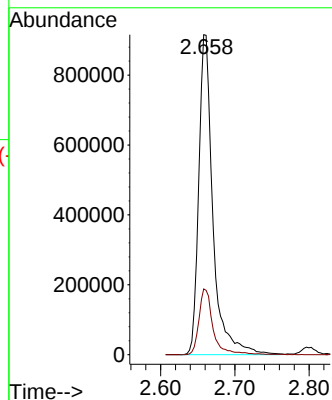
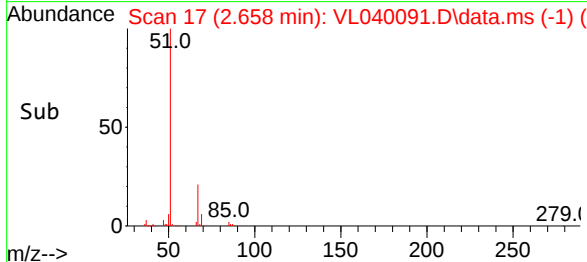
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 51 Resp: 1219634  
Ion Ratio Lower Upper  
51 100  
67 20.5 15.3 22.9

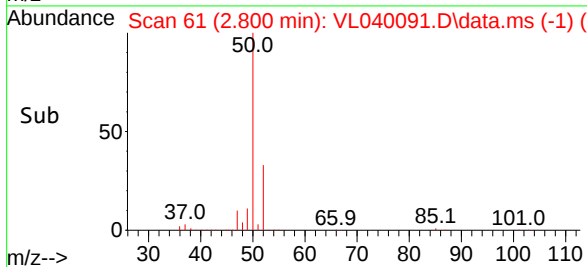
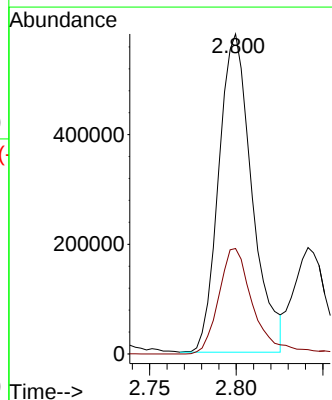
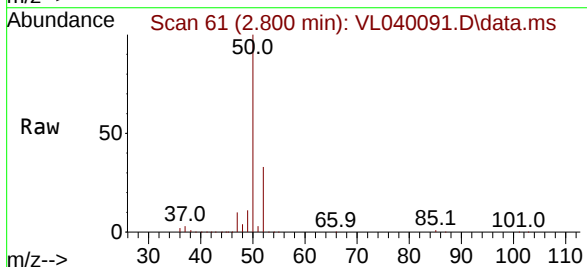
Manual Integrations  
APPROVED

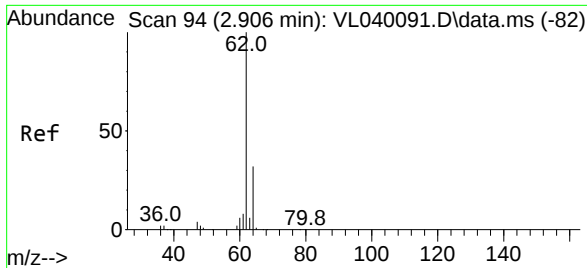
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023



#4  
Chloromethane  
Concen: 7.684 ppbv  
RT: 2.800 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

Tgt Ion: 50 Resp: 774844  
Ion Ratio Lower Upper  
50 100  
52 33.1 25.5 38.3





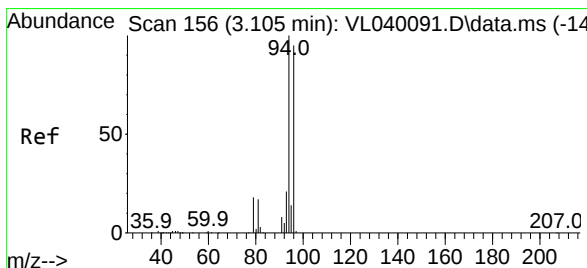
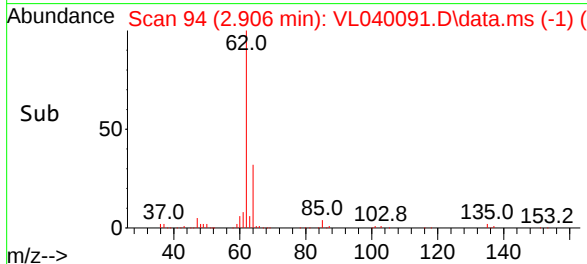
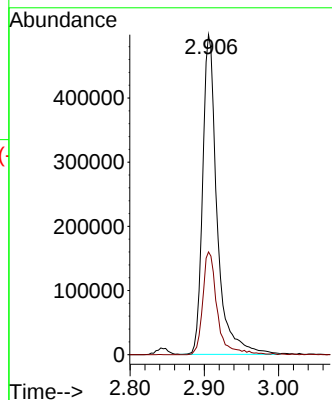
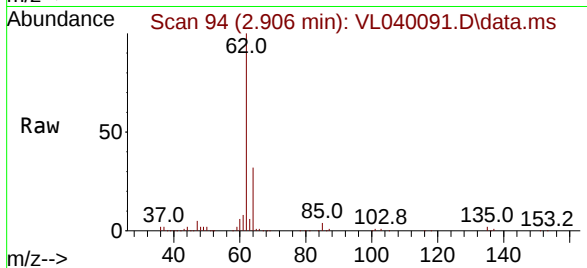
#5  
 Vinyl Chloride  
 Concen: 8.257 ppbv  
 RT: 2.906 min Scan# 94  
 Delta R.T. 0.000 min  
 Lab File: VL040091.D  
 Acq: 16 Jan 2023 10:17

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010

Tgt Ion: 62 Resp: 67360  
 Ion Ratio Lower Upper  
 62 100  
 64 32.2 26.1 39.1

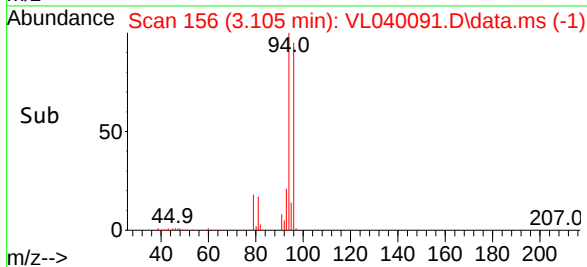
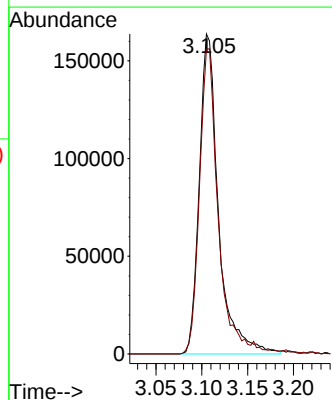
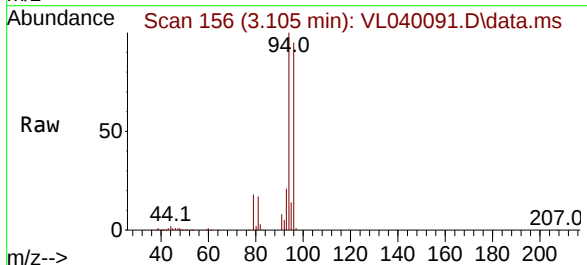
Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023  
 Supervised By :Mahesh Dadoda 01/17/2023



#6  
 Bromomethane  
 Concen: 7.963 ppbv  
 RT: 3.105 min Scan# 156  
 Delta R.T. 0.000 min  
 Lab File: VL040091.D  
 Acq: 16 Jan 2023 10:17

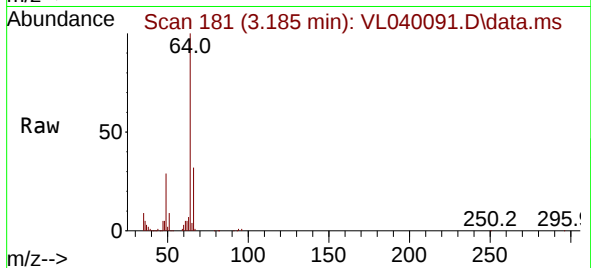
Tgt Ion: 94 Resp: 238709  
 Ion Ratio Lower Upper  
 94 100  
 96 95.2 72.0 108.0





#7  
Chloroethane  
Concen: 7.929 ppbv  
RT: 3.185 min Scan# 181  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

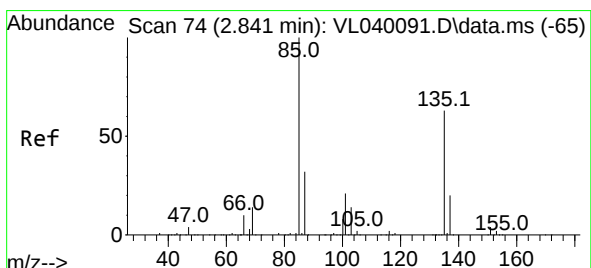
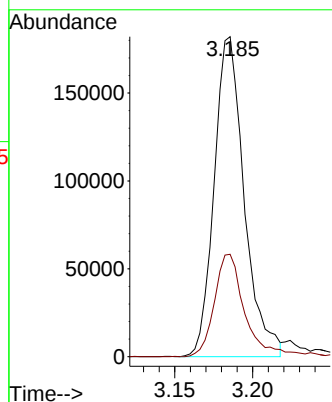
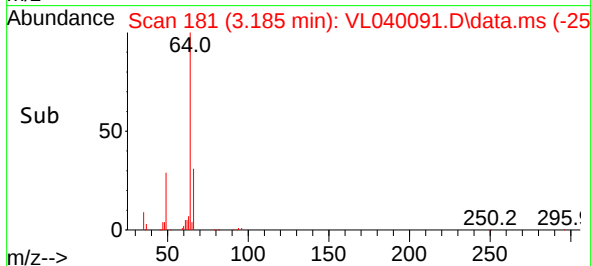
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 64 Resp: 24404  
Ion Ratio Lower Upper  
64 100  
66 32.0 24.6 37.0

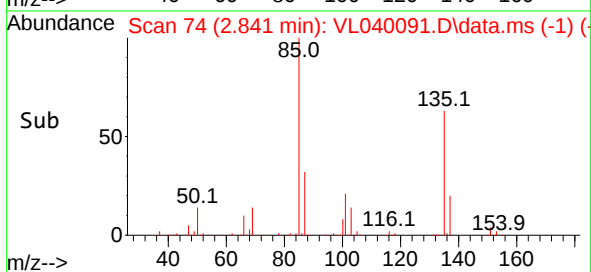
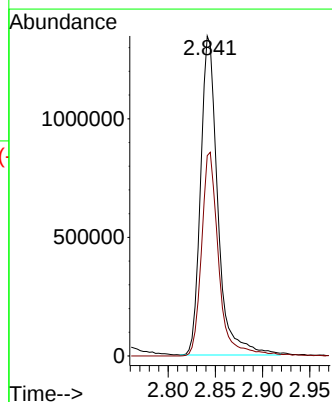
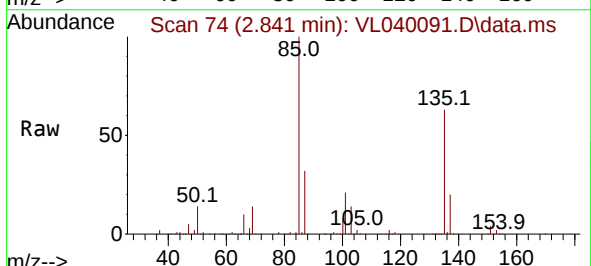
Manual Integrations  
APPROVED

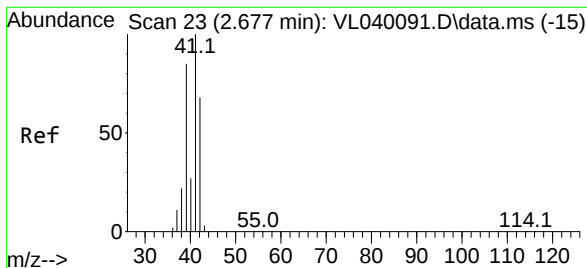
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023



#8  
Dichlorotetrafluoroethane  
Concen: 7.922 ppbv  
RT: 2.841 min Scan# 74  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

Tgt Ion: 85 Resp: 1701729  
Ion Ratio Lower Upper  
85 100  
135 64.3 53.2 79.8





#9

Propene

Concen: 7.463 ppbv

RT: 2.677 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL040091.D

Acq: 16 Jan 2023 10:17

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 41 Resp: 50968

Ion Ratio Lower Upper

41 100

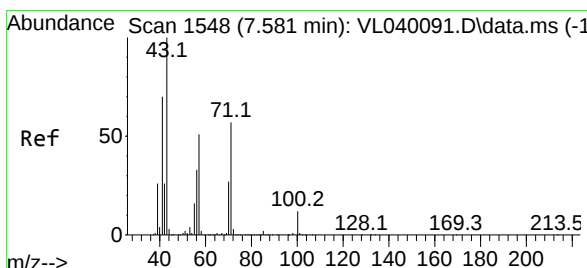
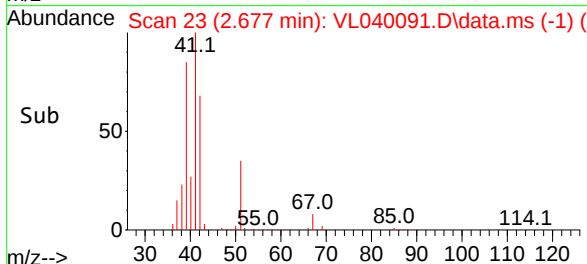
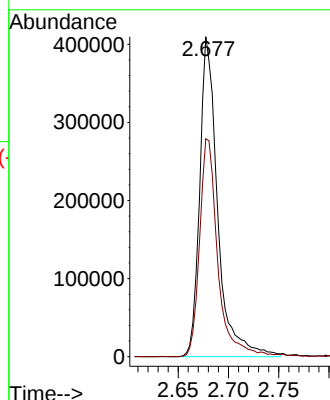
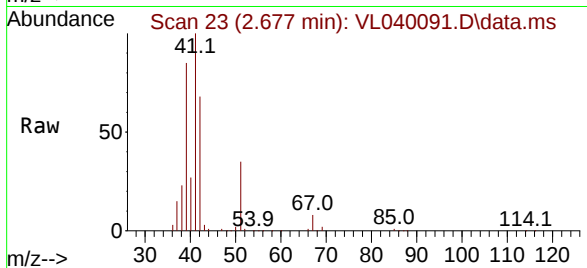
42 69.5 54.8 82.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#10

Heptane

Concen: 7.877 ppbv

RT: 7.581 min Scan# 1548

Delta R.T. 0.000 min

Lab File: VL040091.D

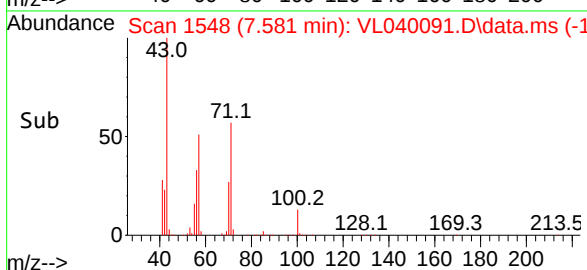
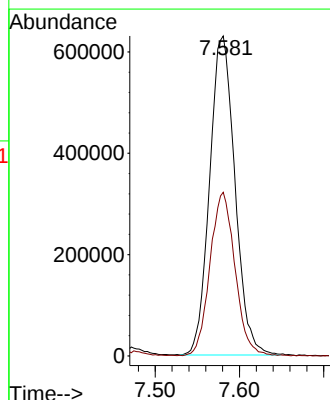
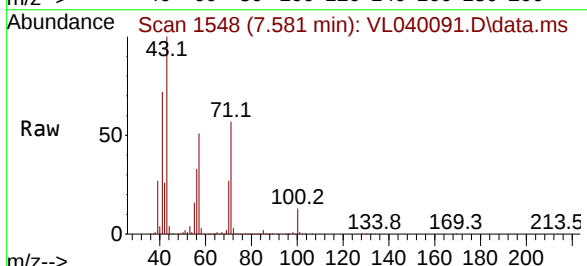
Acq: 16 Jan 2023 10:17

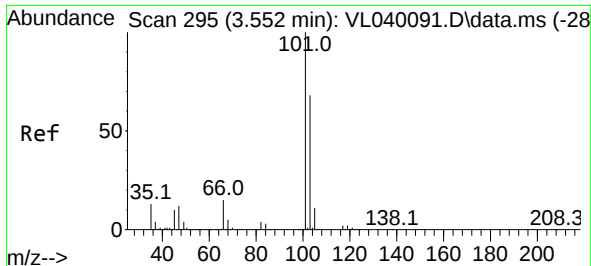
Tgt Ion: 43 Resp: 1312891

Ion Ratio Lower Upper

43 100

57 51.1 41.2 61.8





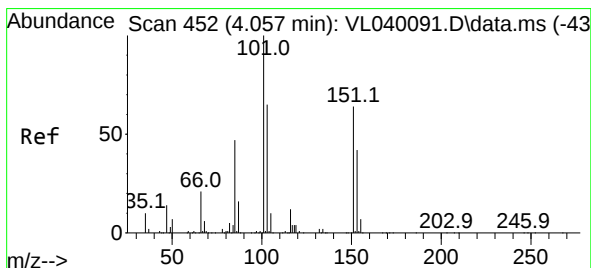
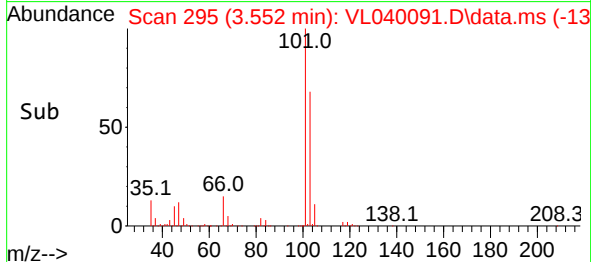
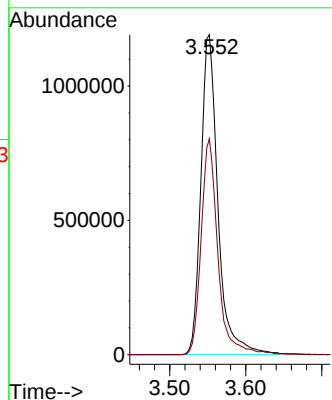
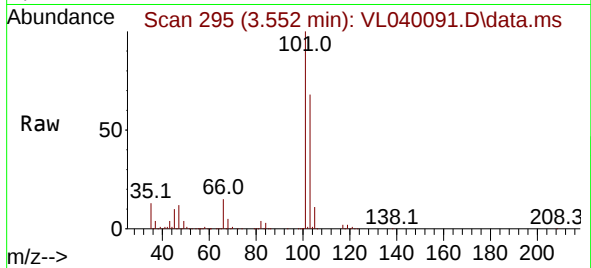
#11  
 Trichlorofluoromethane  
 Concen: 8.396 ppbv  
 RT: 3.552 min Scan# 295  
 Delta R.T. 0.000 min  
 Lab File: VL040091.D  
 Acq: 16 Jan 2023 10:17

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010

Tgt Ion:101 Resp: 186267  
 Ion Ratio Lower Upper  
 101 100  
 103 67.5 51.7 77.5

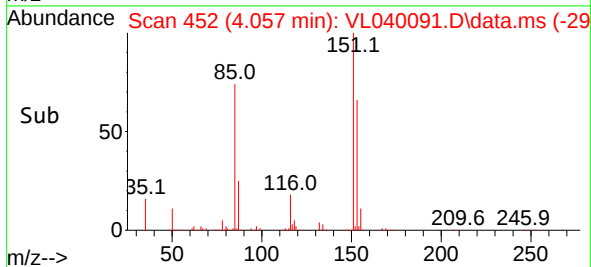
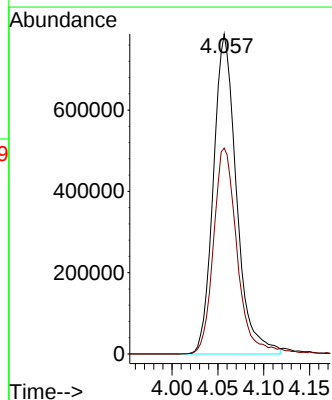
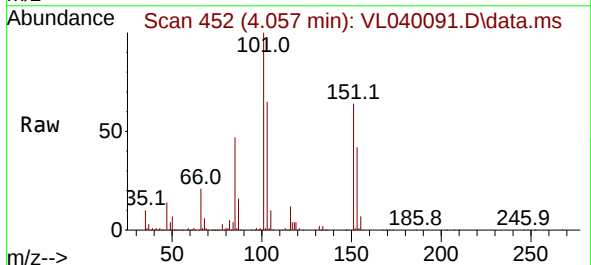
Manual Integrations  
 APPROVED

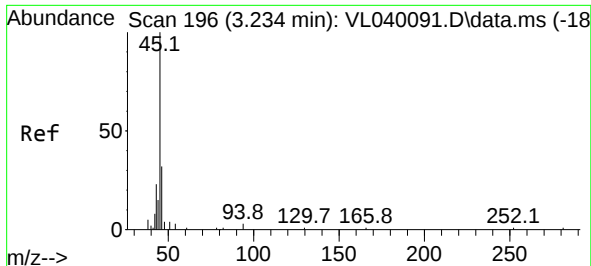
Reviewed By :Semsettin Yesilyurt 01/17/2023  
 Supervised By :Mahesh Dadoda 01/17/2023



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 8.221 ppbv  
 RT: 4.057 min Scan# 452  
 Delta R.T. 0.000 min  
 Lab File: VL040091.D  
 Acq: 16 Jan 2023 10:17

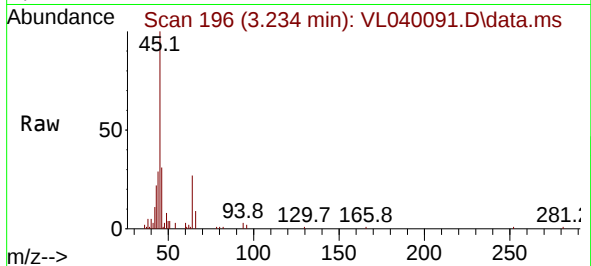
Tgt Ion:101 Resp: 1381207  
 Ion Ratio Lower Upper  
 101 100  
 151 66.5 55.0 82.4





#13  
Ethanol  
Concen: 6.035 ppbv m  
RT: 3.234 min Scan# 196  
Delta R.T. 0.006 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

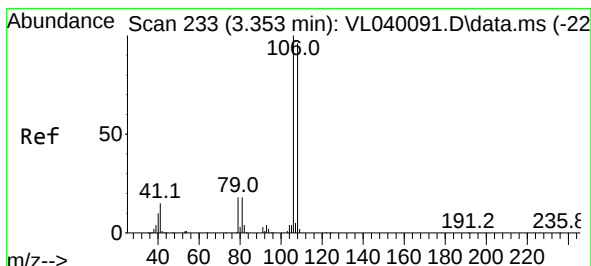
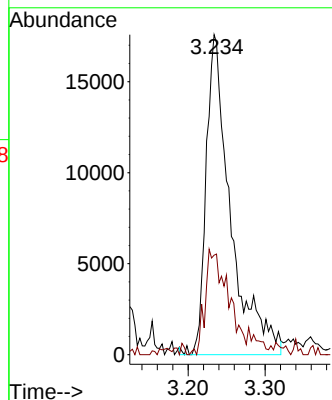
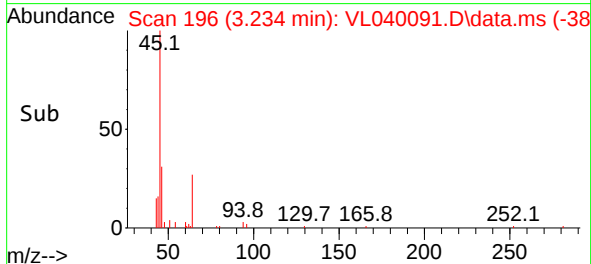
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



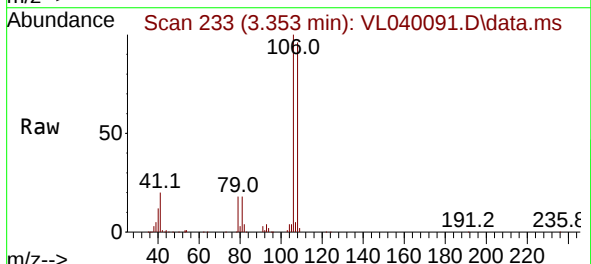
Tgt Ion: 45 Resp: 38789  
Ion Ratio Lower Upper  
45 100  
46 37.0 13.7 54.7

Manual Integrations  
APPROVED

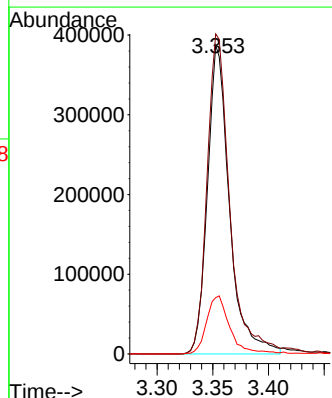
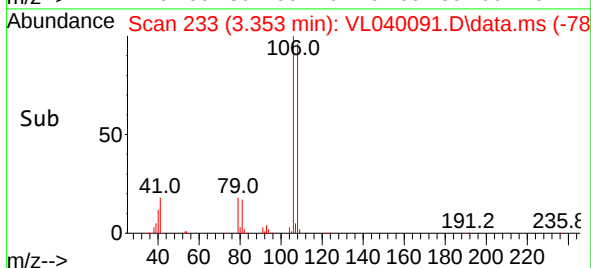
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023

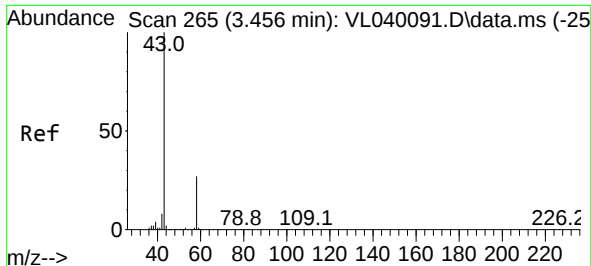


#14  
Bromoethene  
Concen: 8.420 ppbv  
RT: 3.353 min Scan# 233  
Delta R.T. -0.003 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17



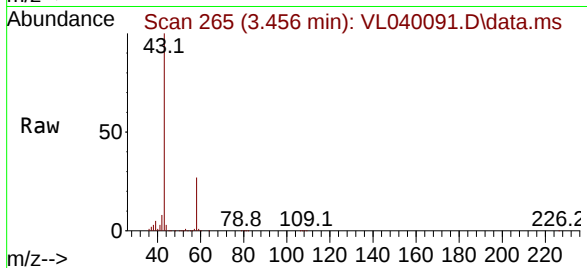
Tgt Ion:108 Resp: 532707  
Ion Ratio Lower Upper  
108 100  
106 108.8 87.5 131.3  
79 20.1 15.8 23.8





#15  
Acetone  
Concen: 7.141 ppbv  
RT: 3.456 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

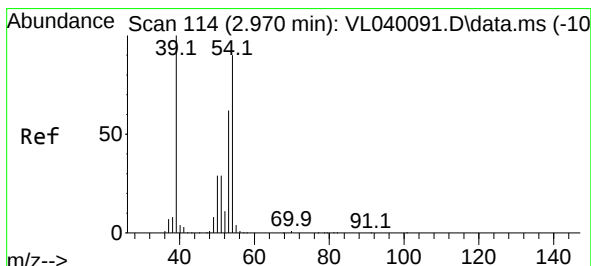
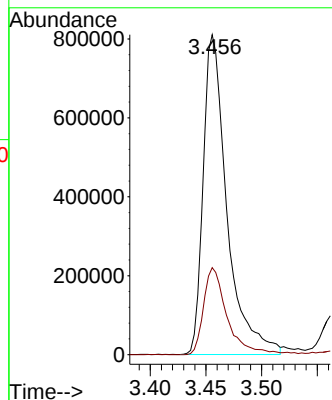
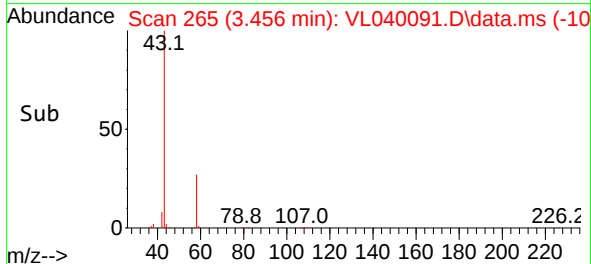
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 43 Resp: 120488  
Ion Ratio Lower Upper  
43 100  
58 27.3 21.8 32.8

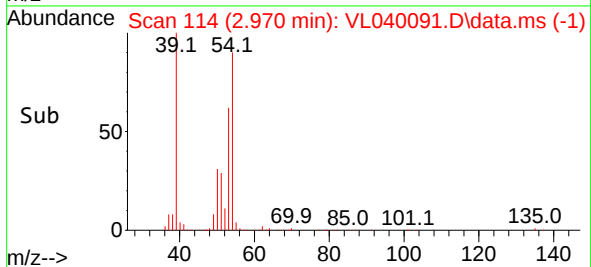
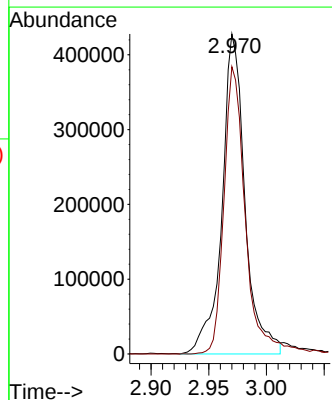
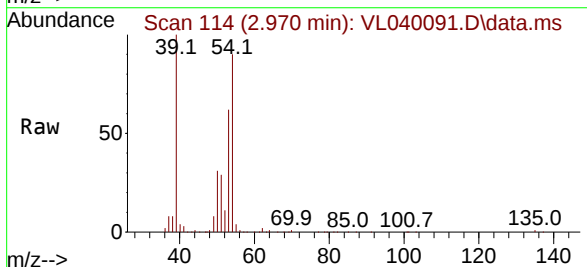
Manual Integrations  
APPROVED

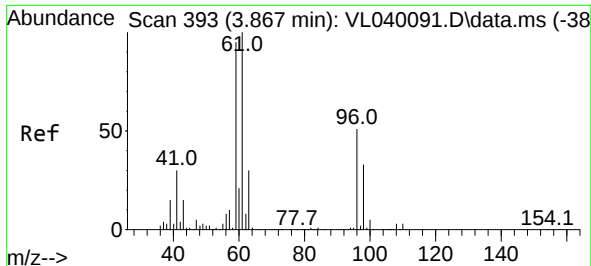
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023



#16  
1,3-Butadiene  
Concen: 8.093 ppbv  
RT: 2.970 min Scan# 114  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

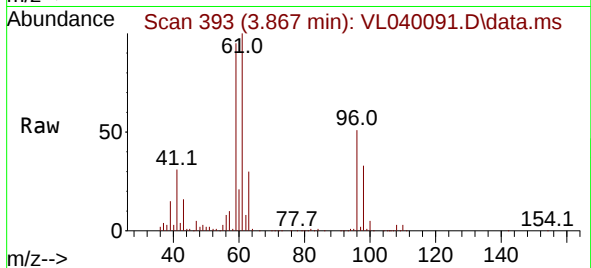
Tgt Ion: 39 Resp: 593507  
Ion Ratio Lower Upper  
39 100  
54 84.9 68.3 102.5





#17  
tert-Butyl alcohol  
Concen: 7.594 ppbv  
RT: 3.867 min Scan# 393  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

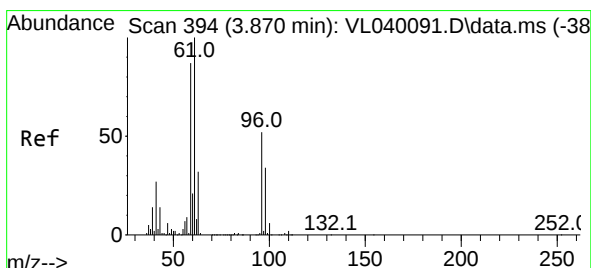
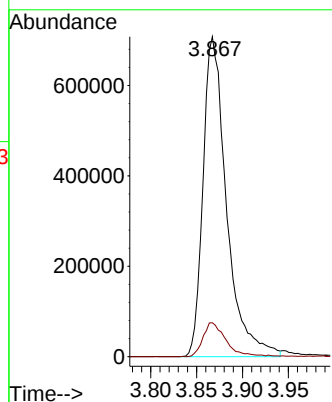
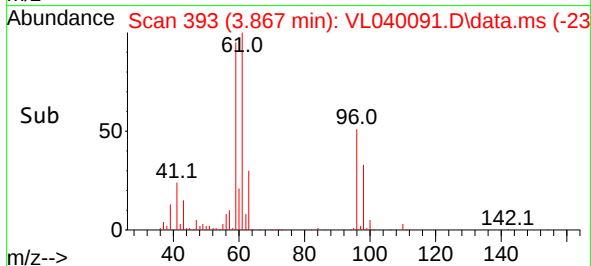
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



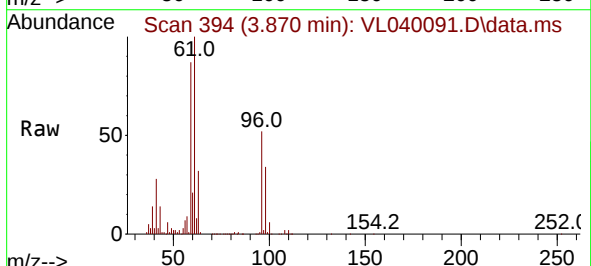
Tgt Ion: 59 Resp: 126313  
Ion Ratio Lower Upper  
59 100  
57 10.6 8.4 12.6

Manual Integrations  
APPROVED

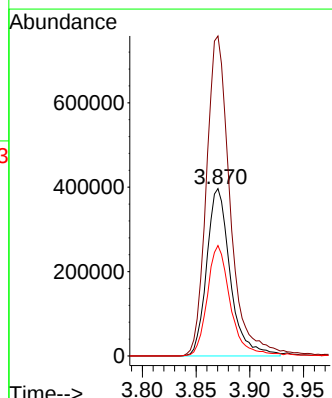
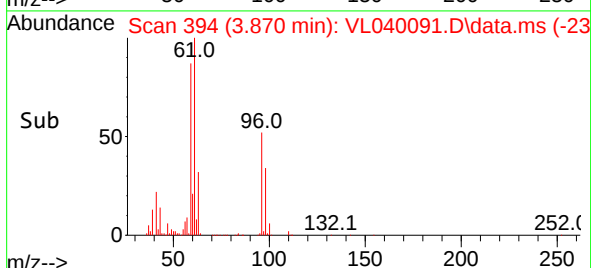
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023

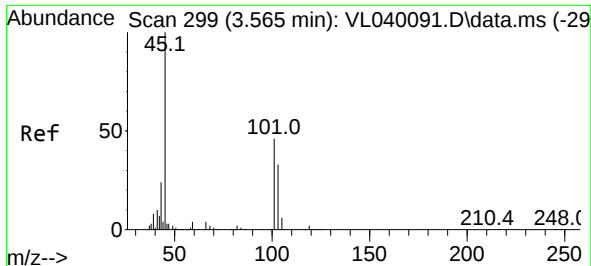


#18  
1,1-Dichloroethene  
Concen: 8.280 ppbv  
RT: 3.870 min Scan# 394  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17



Tgt Ion: 96 Resp: 605542  
Ion Ratio Lower Upper  
96 100  
61 191.2 151.0 226.6  
98 65.9 47.7 71.5





#19

Isopropyl Alcohol

Concen: 7.443 ppbv

RT: 3.565 min Scan# 299

Delta R.T. 0.003 min

Lab File: VL040091.D

Acq: 16 Jan 2023 10:17

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 45 Resp: 61889

Ion Ratio Lower Upper

45 100

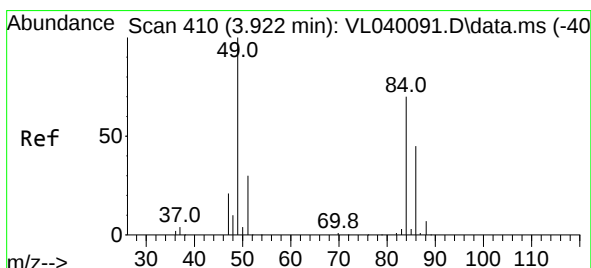
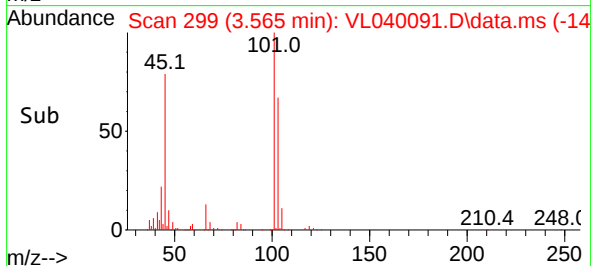
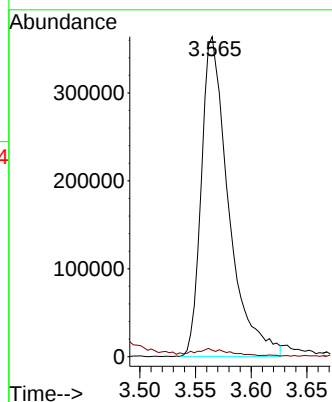
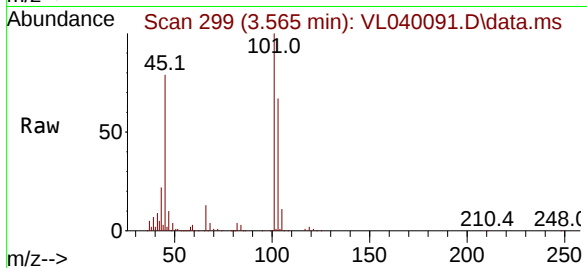
58 3.3 1.7 2.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#20

Methylene Chloride

Concen: 7.156 ppbv

RT: 3.922 min Scan# 410

Delta R.T. 0.000 min

Lab File: VL040091.D

Acq: 16 Jan 2023 10:17

Tgt Ion: 84 Resp: 513211

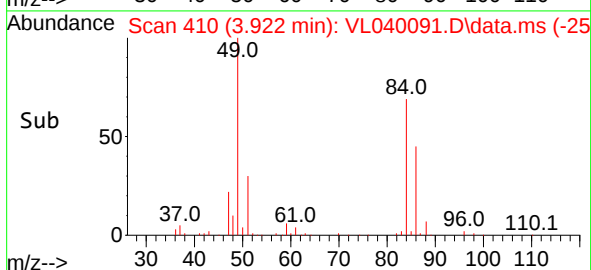
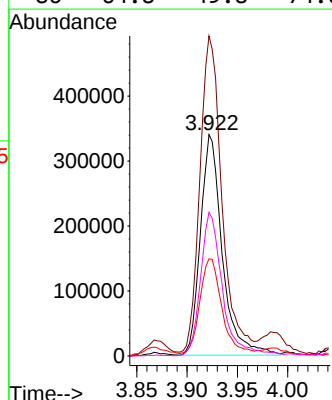
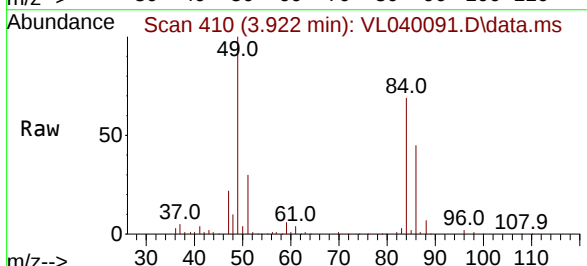
Ion Ratio Lower Upper

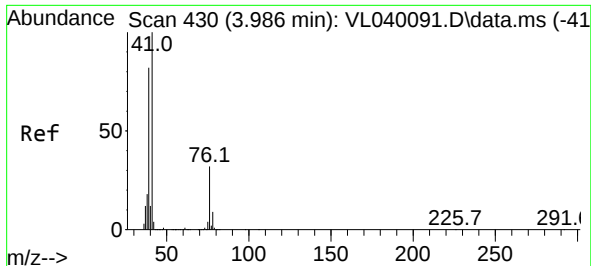
84 100

49 143.2 120.5 180.7

51 42.9 35.2 52.8

86 64.8 49.8 74.6





#21

Allyl Chloride

Concen: 8.348 ppbv

RT: 3.986 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040091.D

Acq: 16 Jan 2023 10:17

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 41 Resp: 846340

Ion Ratio Lower Upper

41 100

76 32.4 25.9 38.9

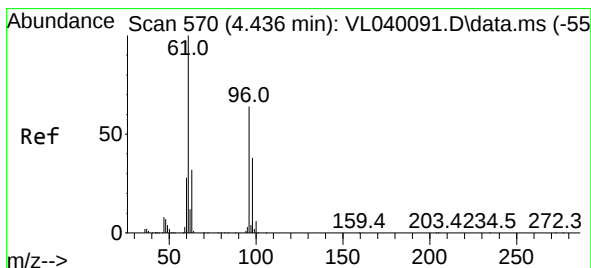
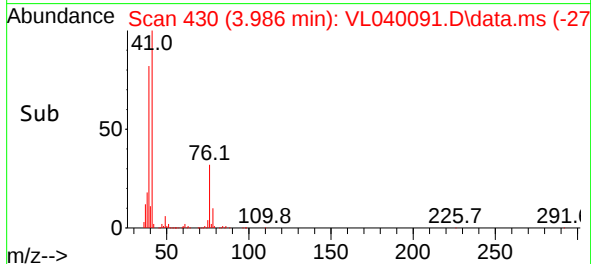
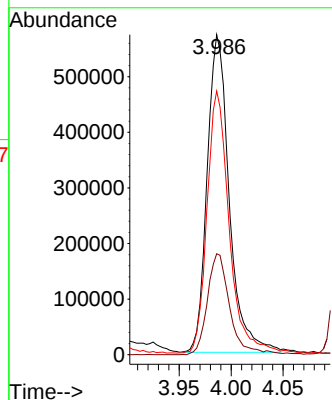
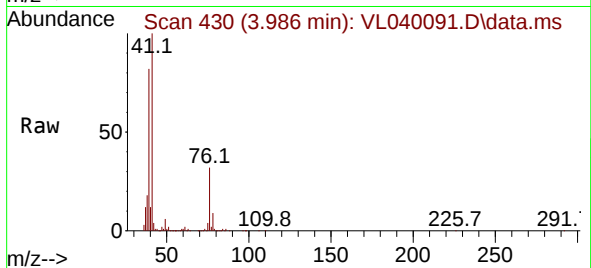
39 83.5 66.0 99.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#22

trans-1,2-Dichloroethene

Concen: 8.602 ppbv

RT: 4.436 min Scan# 570

Delta R.T. 0.000 min

Lab File: VL040091.D

Acq: 16 Jan 2023 10:17

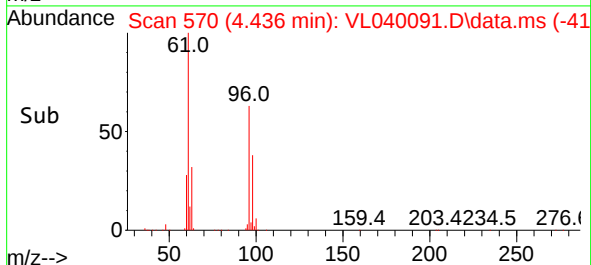
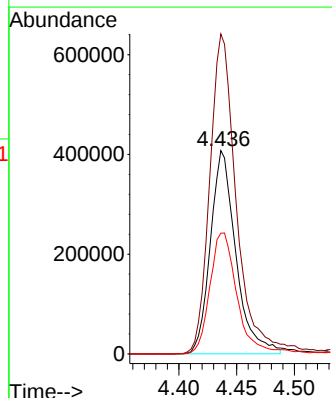
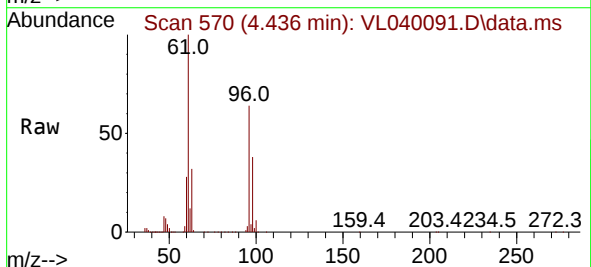
Tgt Ion: 96 Resp: 626975

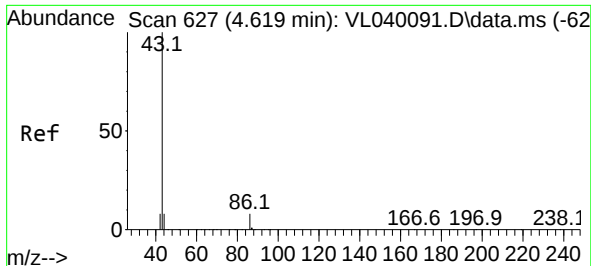
Ion Ratio Lower Upper

96 100

61 157.3 133.6 200.4

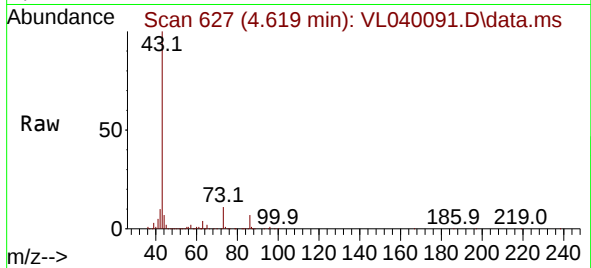
98 59.3 51.4 77.0





#23  
 Vinyl Acetate  
 Concen: 7.952 ppbv m  
 RT: 4.619 min Scan# 61  
 Delta R.T. 0.003 min  
 Lab File: VL040091.D  
 Acq: 16 Jan 2023 10:17

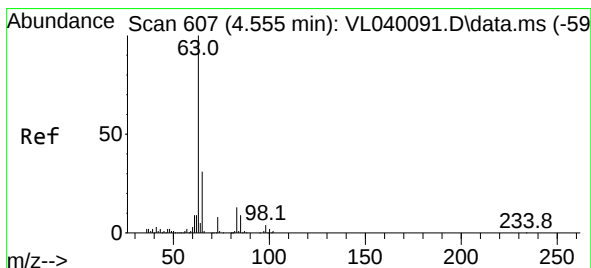
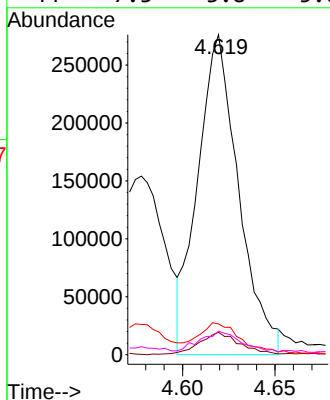
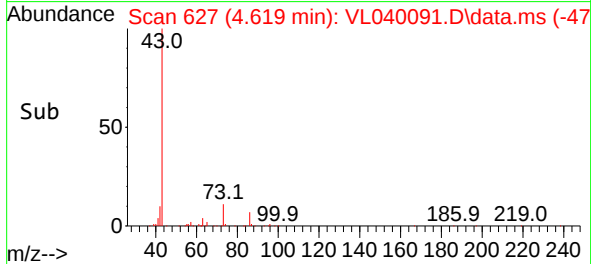
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010



Tgt Ion: 43 Resp: 425369  
 Ion Ratio Lower Upper  
 43 100  
 86 7.0 5.3 7.9  
 42 9.6 7.4 11.0  
 44 7.3 3.8 5.6#

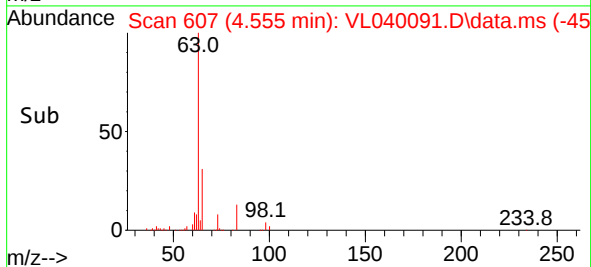
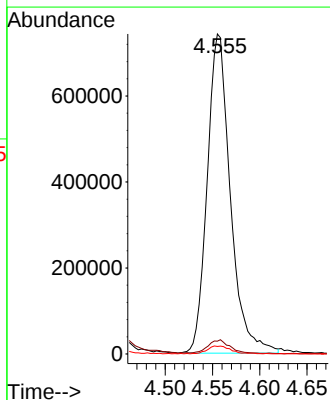
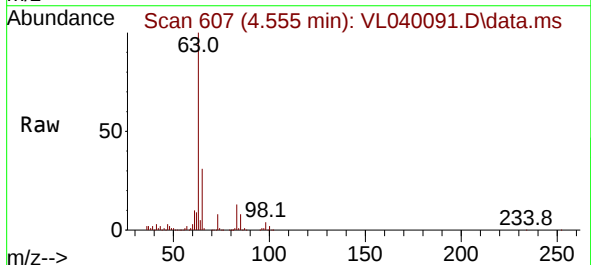
Manual Integrations  
 APPROVED

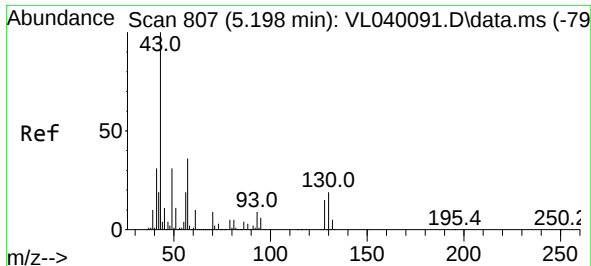
Reviewed By :Semsettin Yesilyurt 01/17/2023  
 Supervised By :Mahesh Dadoda 01/17/2023



#24  
 1,1-Dichloroethane  
 Concen: 8.053 ppbv  
 RT: 4.555 min Scan# 607  
 Delta R.T. -0.003 min  
 Lab File: VL040091.D  
 Acq: 16 Jan 2023 10:17

Tgt Ion: 63 Resp: 1265032  
 Ion Ratio Lower Upper  
 63 100  
 98 3.9 2.1 6.2  
 100 2.3 1.1 3.3





#25

Ethyl Acetate

Concen: 7.759 ppbv

RT: 5.198 min Scan# 807

Delta R.T. 0.000 min

Lab File: VL040091.D

Acq: 16 Jan 2023 10:17

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 2267200

Ion Ratio Lower Upper

43 100

45 10.6 8.6 12.8

61 10.5 8.5 12.7

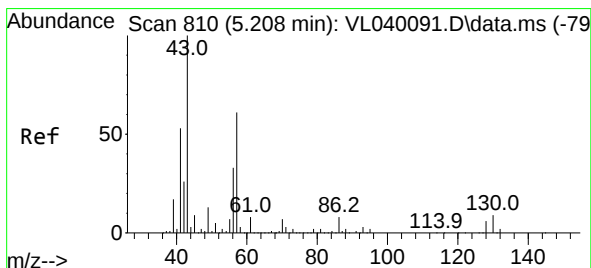
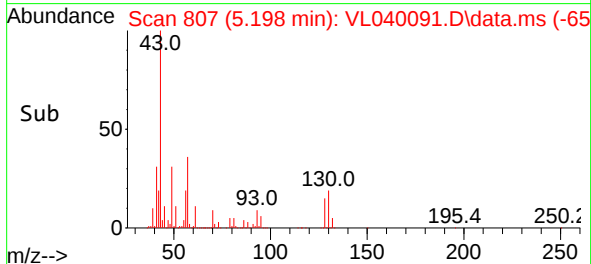
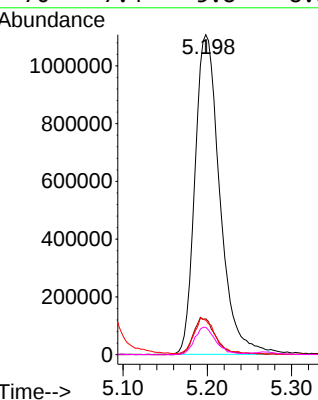
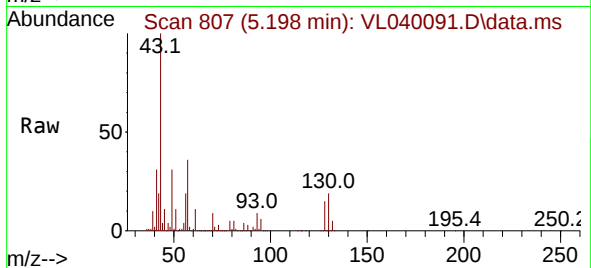
70 7.4 5.8 8.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#26

Hexane

Concen: 7.834 ppbv

RT: 5.208 min Scan# 810

Delta R.T. 0.000 min

Lab File: VL040091.D

Acq: 16 Jan 2023 10:17

Tgt Ion: 57 Resp: 962031

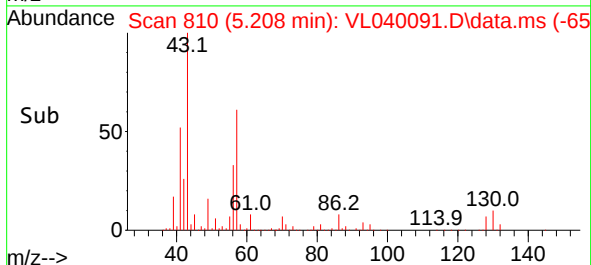
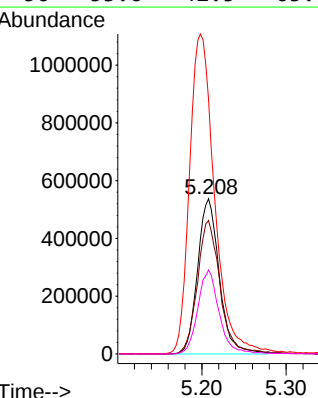
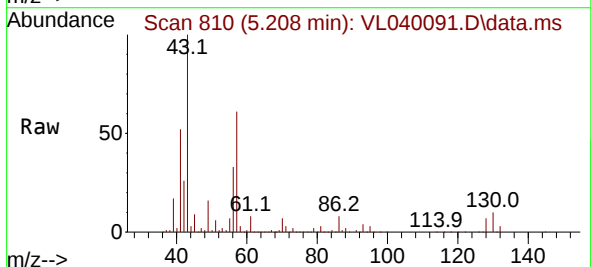
Ion Ratio Lower Upper

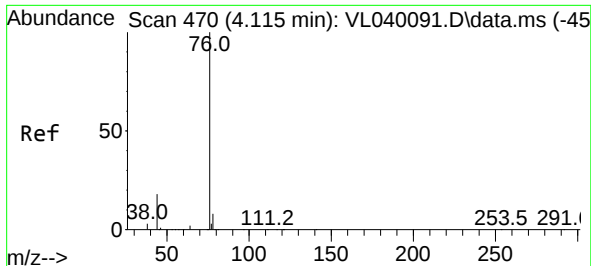
57 100

41 90.3 72.1 108.1

43 240.1 192.1 288.1

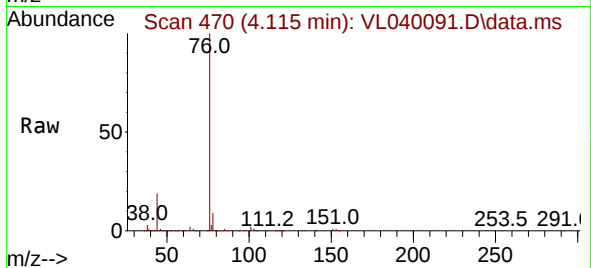
56 53.6 42.5 63.7





#27  
Carbon Disulfide  
Concen: 9.598 ppbv  
RT: 4.115 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

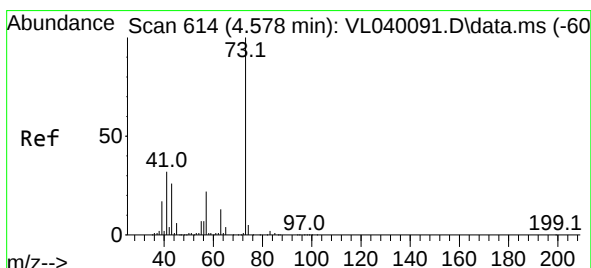
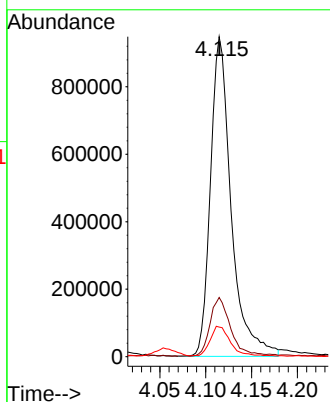
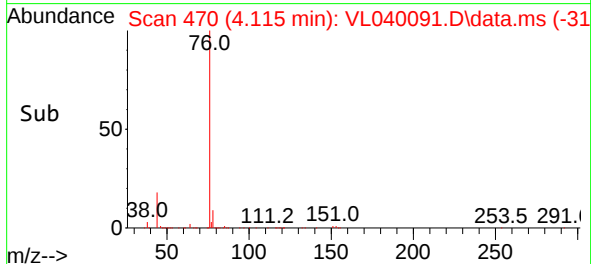
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 76 Resp: 148675  
Ion Ratio Lower Upper  
76 100  
44 18.6 15.3 22.9  
78 10.2 7.8 11.6

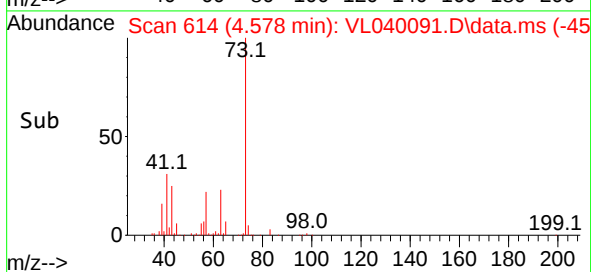
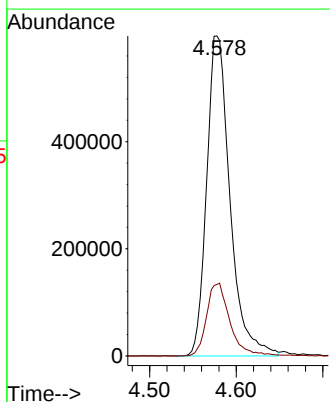
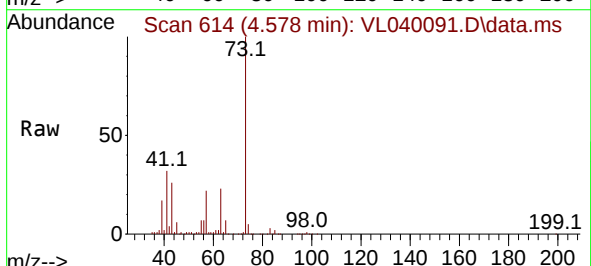
Manual Integrations  
APPROVED

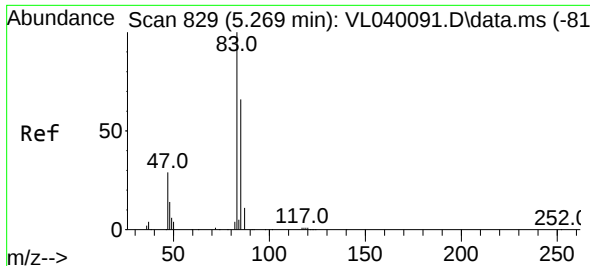
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023



#28  
Methyl tert-Butyl Ether  
Concen: 7.722 ppbv  
RT: 4.578 min Scan# 614  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

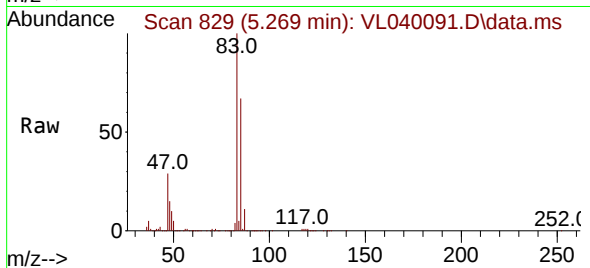
Tgt Ion: 73 Resp: 1117725  
Ion Ratio Lower Upper  
73 100  
57 22.9 18.6 28.0





#29  
Chloroform  
Concen: 8.192 ppbv  
RT: 5.269 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

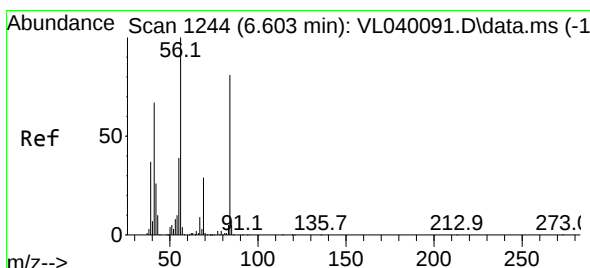
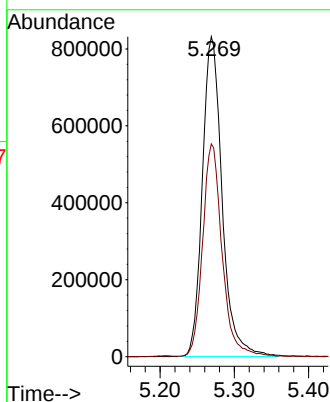
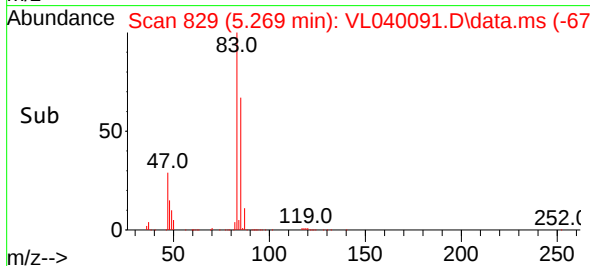
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



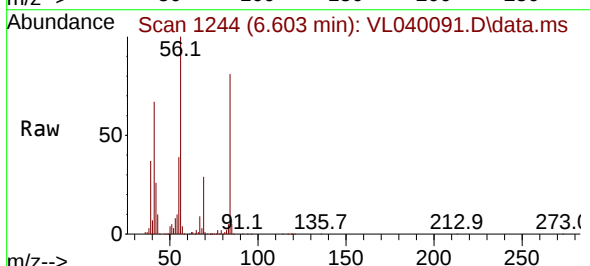
Tgt Ion: 83 Resp: 153521  
Ion Ratio Lower Upper  
83 100  
85 66.4 52.4 78.6

Manual Integrations  
APPROVED

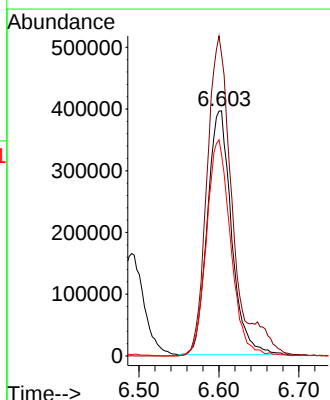
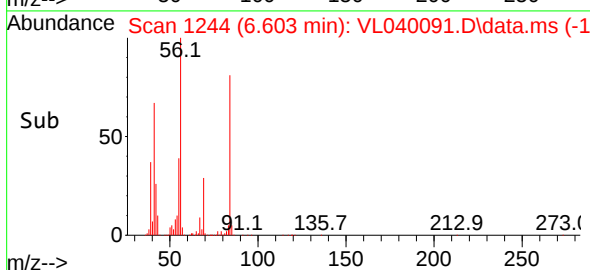
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023

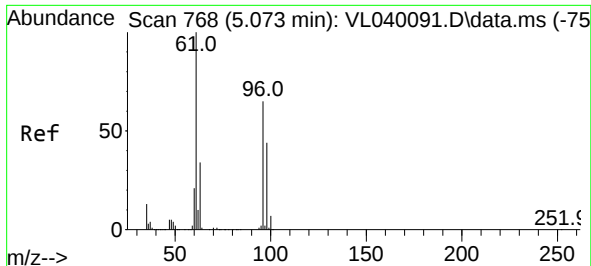


#30  
Cyclohexane  
Concen: 7.604 ppbv  
RT: 6.603 min Scan# 1244  
Delta R.T. 0.003 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17



Tgt Ion: 84 Resp: 827066  
Ion Ratio Lower Upper  
84 100  
56 139.4 110.2 165.4  
41 89.2 67.8 101.8





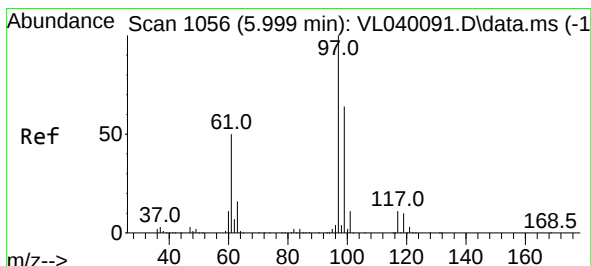
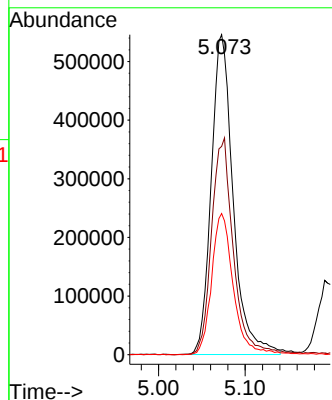
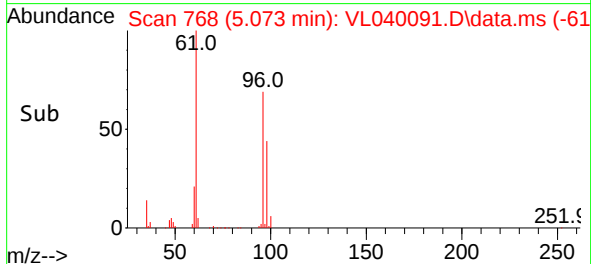
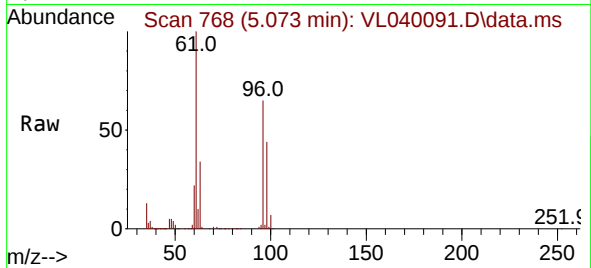
#31  
 cis-1,2-Dichloroethene  
 Concen: 8.211 ppbv  
 RT: 5.073 min Scan# 768  
 Delta R.T. 0.000 min  
 Lab File: VL040091.D  
 Acq: 16 Jan 2023 10:17

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010

Tgt Ion: 61 Resp: 960295  
 Ion Ratio Lower Upper  
 61 100  
 96 65.0 53.4 80.2  
 98 44.1 33.4 50.0

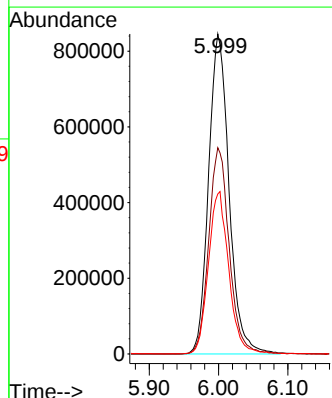
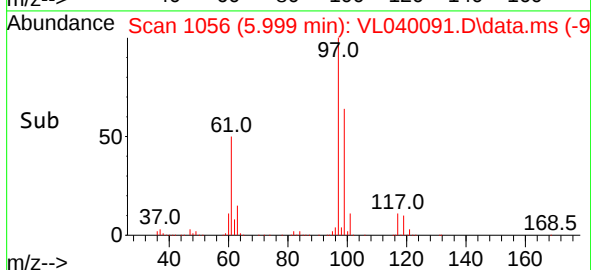
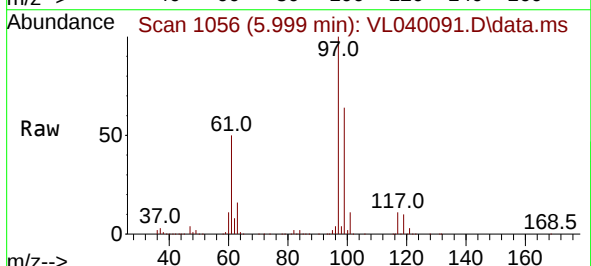
Manual Integrations  
 APPROVED

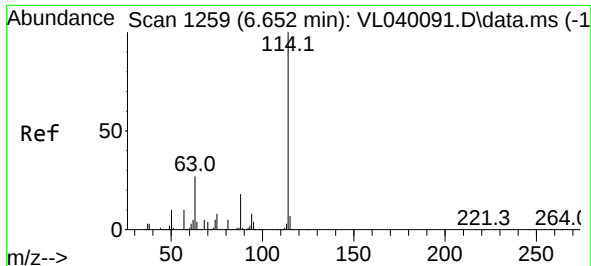
Reviewed By :Semsettin Yesilyurt 01/17/2023  
 Supervised By :Mahesh Dadoda 01/17/2023



#32  
 1,1,1-Trichloroethane  
 Concen: 8.639 ppbv  
 RT: 5.999 min Scan# 1056  
 Delta R.T. 0.000 min  
 Lab File: VL040091.D  
 Acq: 16 Jan 2023 10:17

Tgt Ion: 97 Resp: 1733325  
 Ion Ratio Lower Upper  
 97 100  
 99 64.7 51.8 77.6  
 61 50.5 39.8 59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VL040091.D

Acq: 16 Jan 2023 10:17

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion:114 Resp: 2857389

Ion Ratio Lower Upper

114 100

63 27.3 20.2 30.2

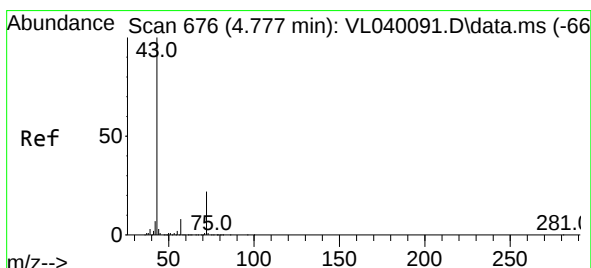
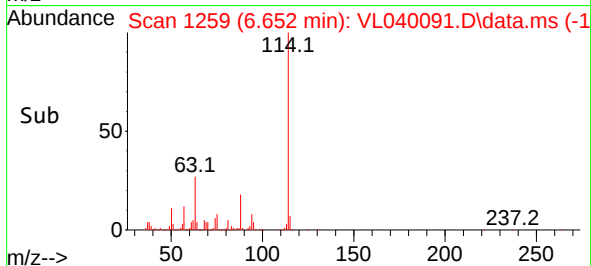
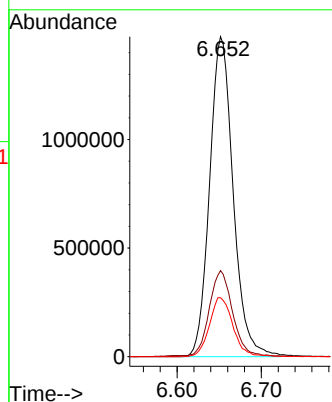
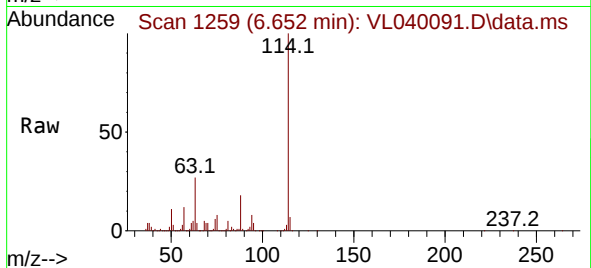
88 18.5 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#34

2-Butanone

Concen: 8.772 ppbv

RT: 4.777 min Scan# 676

Delta R.T. 0.000 min

Lab File: VL040091.D

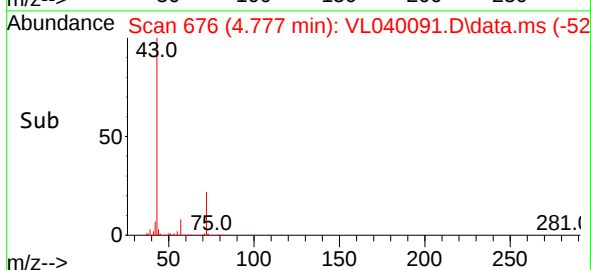
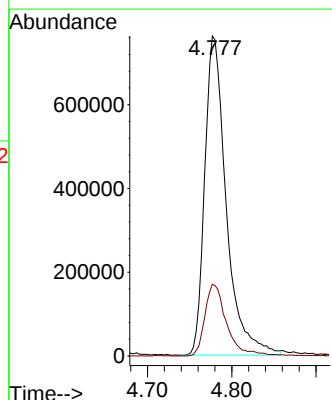
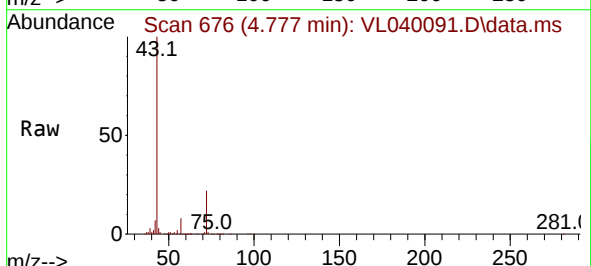
Acq: 16 Jan 2023 10:17

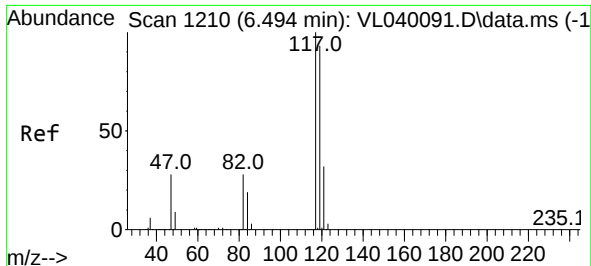
Tgt Ion: 43 Resp: 1359766

Ion Ratio Lower Upper

43 100

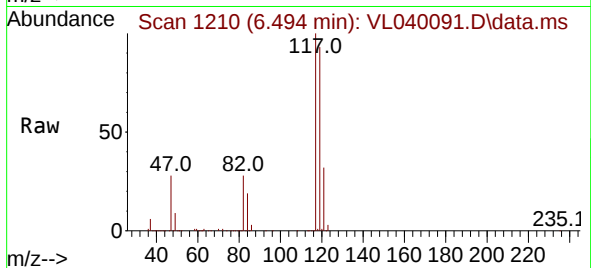
72 23.0 18.0 27.0





#35  
Carbon Tetrachloride  
Concen: 10.295 ppbv  
RT: 6.494 min Scan# 1170  
Delta R.T. 0.003 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

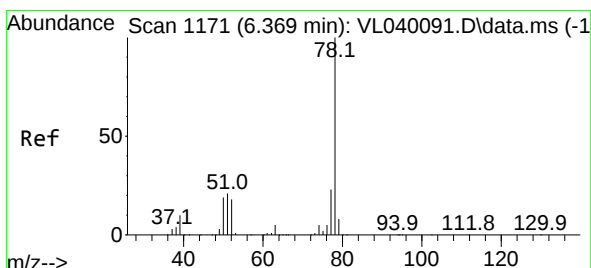
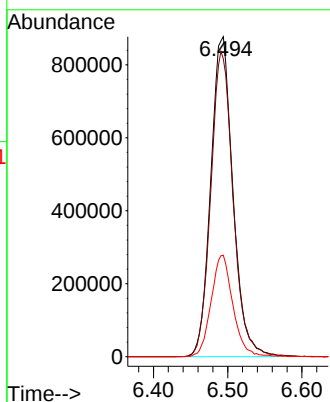
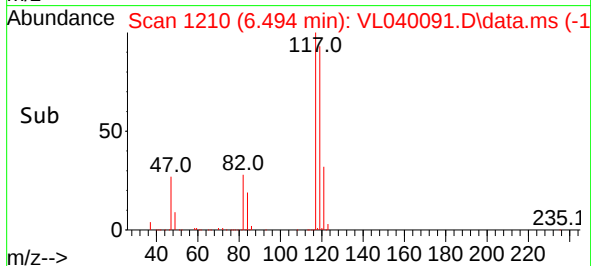
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 117 Resp: 1827089  
Ion Ratio Lower Upper  
117 100  
119 93.1 77.3 115.9  
121 31.7 25.4 38.0

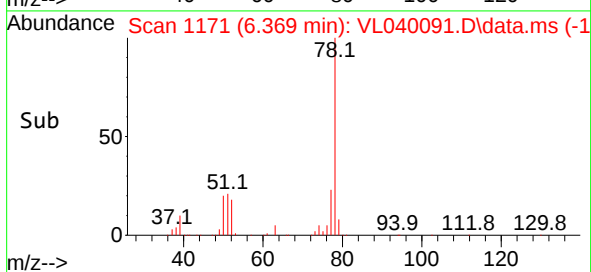
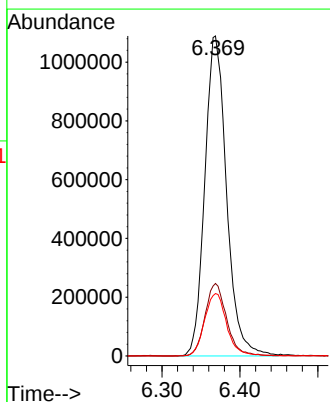
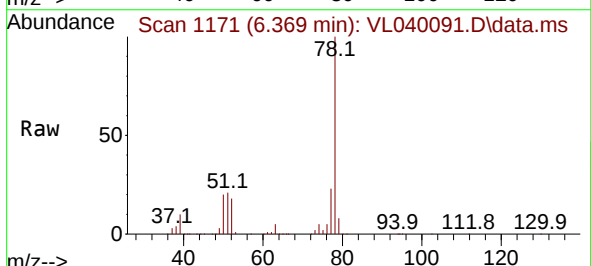
Manual Integrations  
APPROVED

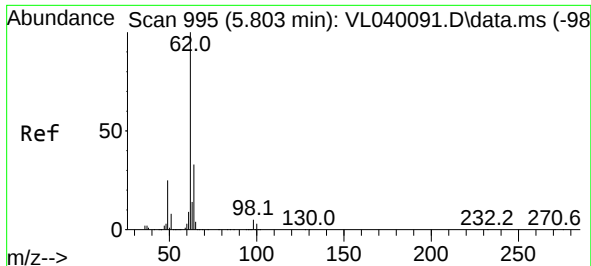
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023



#36  
Benzene  
Concen: 8.276 ppbv  
RT: 6.369 min Scan# 1171  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

Tgt Ion: 78 Resp: 2111959  
Ion Ratio Lower Upper  
78 100  
77 22.6 17.5 26.3  
50 19.5 14.2 21.2





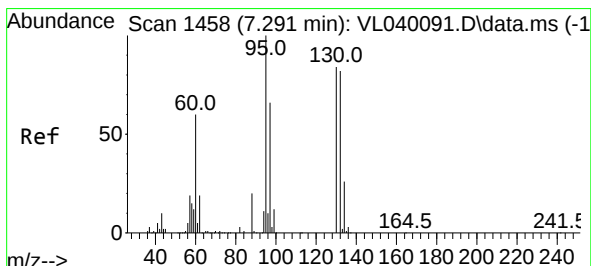
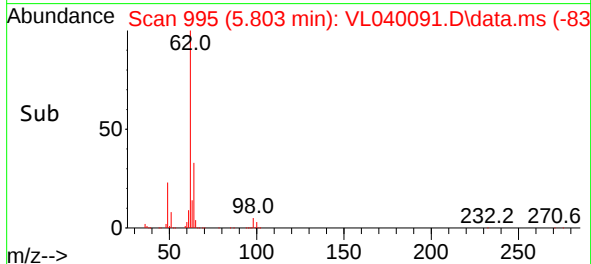
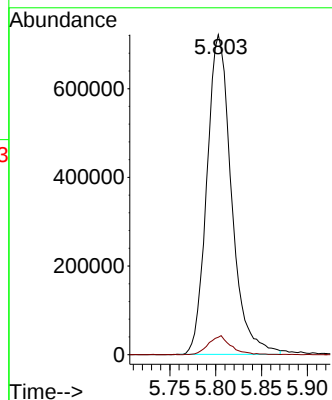
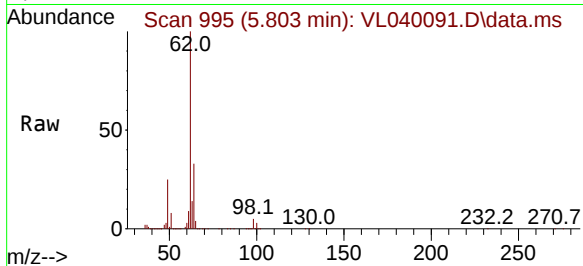
#37  
1,2-Dichloroethane  
Concen: 8.972 ppbv  
RT: 5.803 min Scan# 995  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010

Tgt Ion: 62 Resp: 134308  
Ion Ratio Lower Upper  
62 100  
98 5.5 5.1 7.7

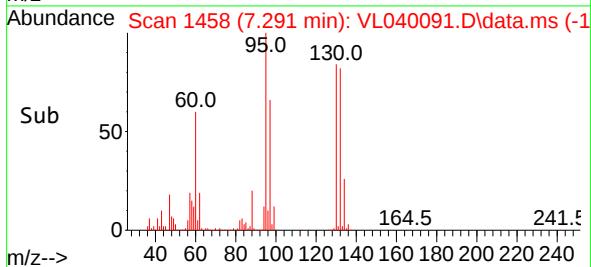
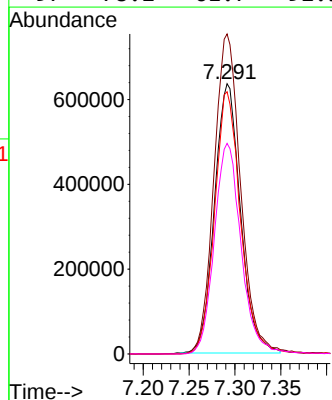
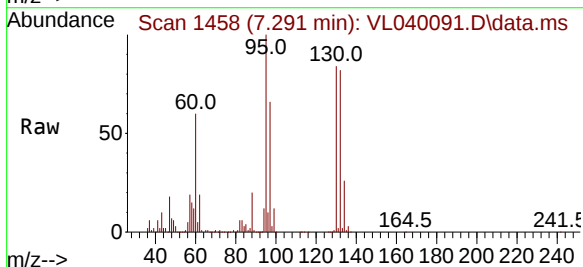
Manual Integrations  
APPROVED

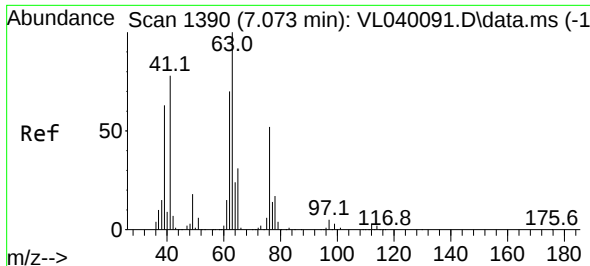
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023



#38  
Trichloroethene  
Concen: 9.558 ppbv  
RT: 7.291 min Scan# 1458  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

Tgt Ion:130 Resp: 1253479  
Ion Ratio Lower Upper  
130 100  
95 118.8 94.8 142.2  
132 97.4 78.2 117.4  
97 78.2 61.7 92.5





#39

1,2-Dichloropropane

Concen: 8.611 ppbv

RT: 7.073 min Scan# 1390

Delta R.T. -0.003 min

Lab File: VL040091.D

Acq: 16 Jan 2023 10:17

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 63 Resp: 823699

Ion Ratio Lower Upper

63 100

41 77.8 61.4 92.0

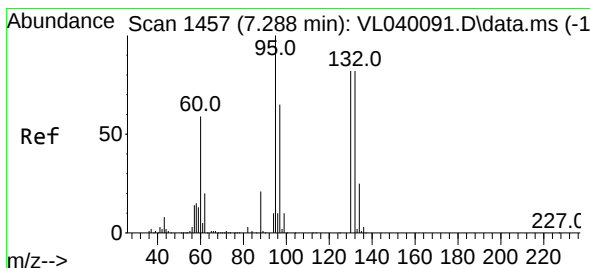
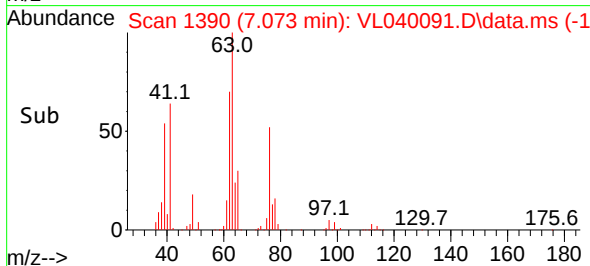
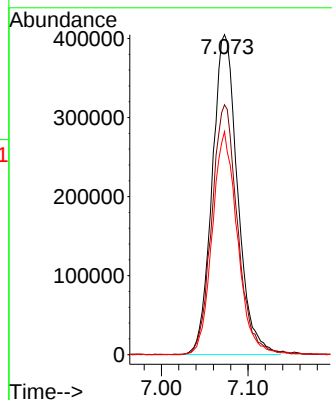
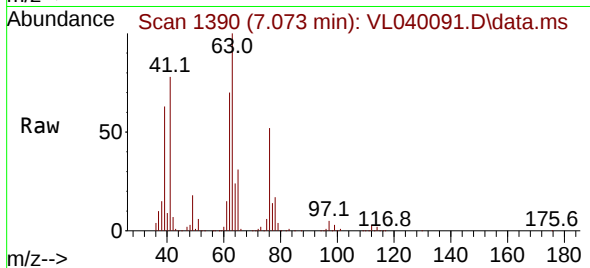
62 69.8 55.4 83.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#40

1,4-Dioxane

Concen: 7.814 ppbv

RT: 7.288 min Scan# 1457

Delta R.T. 0.003 min

Lab File: VL040091.D

Acq: 16 Jan 2023 10:17

Tgt Ion: 88 Resp: 336890

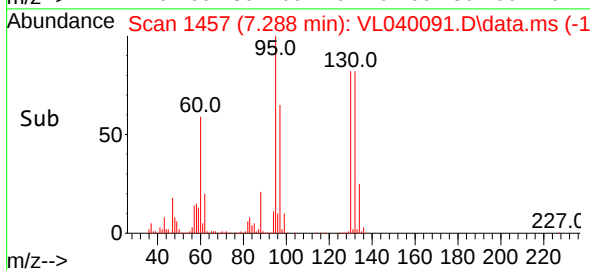
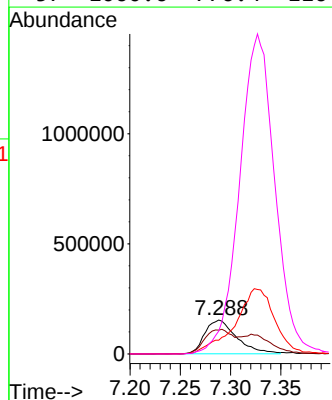
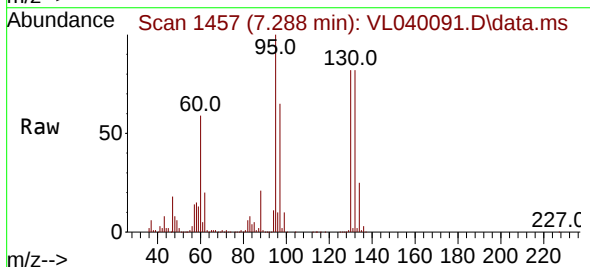
Ion Ratio Lower Upper

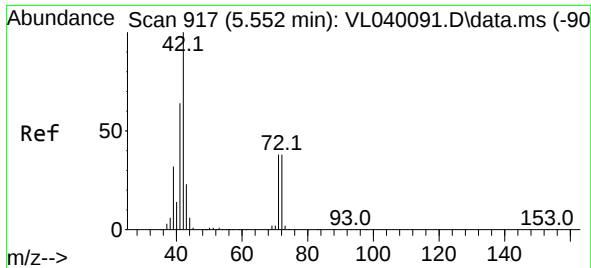
88 100

58 121.9 92.7 139.1

43 243.7 174.6 261.8

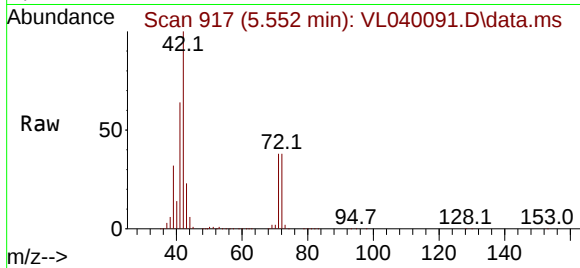
57 1060.6 776.4 1164.6





#41  
Tetrahydrofuran  
Concen: 8.192 ppbv  
RT: 5.552 min Scan# 917  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

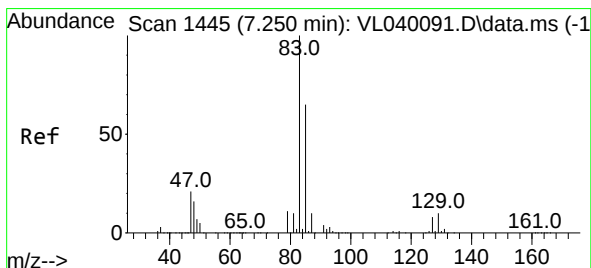
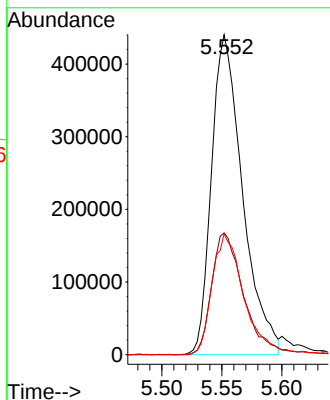
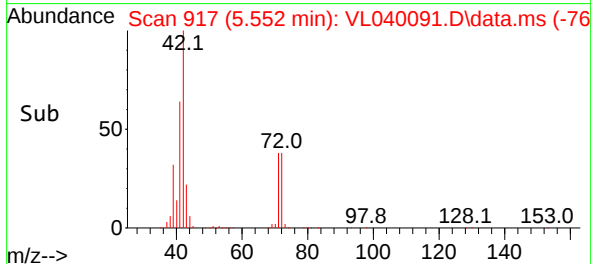
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 42 Resp: 792600  
Ion Ratio Lower Upper  
42 100  
72 39.9 32.9 49.3  
71 39.3 32.2 48.2

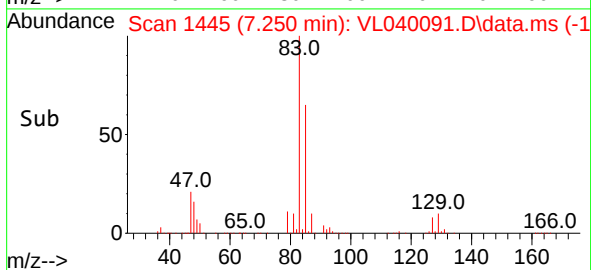
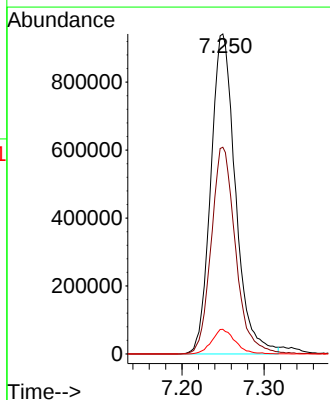
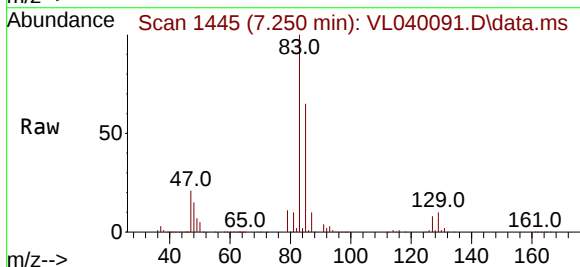
Manual Integrations  
APPROVED

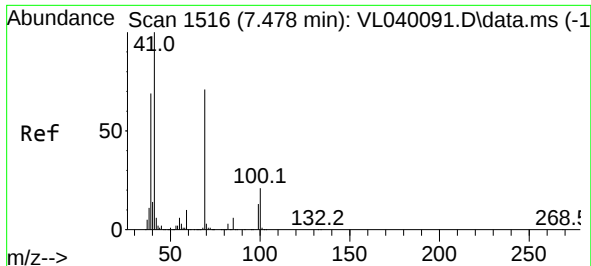
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023



#42  
Bromodichloromethane  
Concen: 9.615 ppbv  
RT: 7.250 min Scan# 1445  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

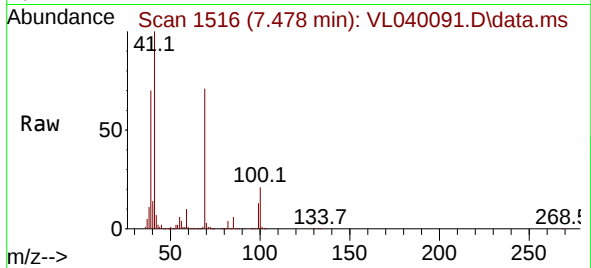
Tgt Ion: 83 Resp: 1971916  
Ion Ratio Lower Upper  
83 100  
85 64.6 53.0 79.6  
127 7.7 6.2 9.2





#43  
Methyl Methacrylate  
Concen: 9.032 ppbv  
RT: 7.478 min Scan# 1516  
Delta R.T. 0.003 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

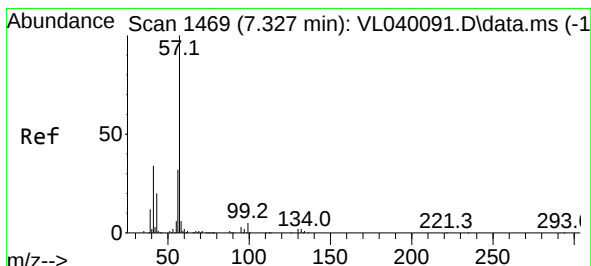
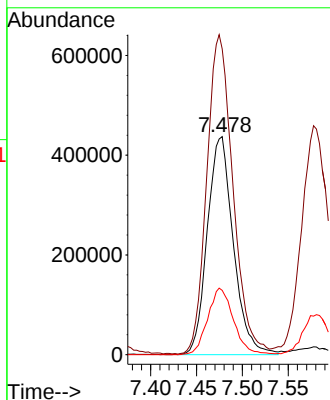
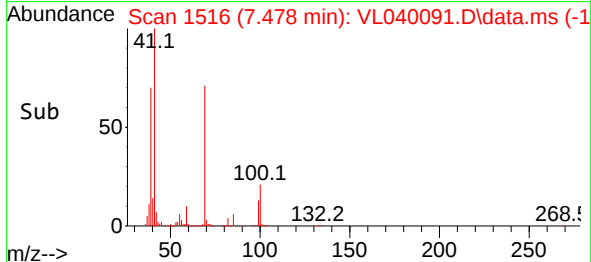
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



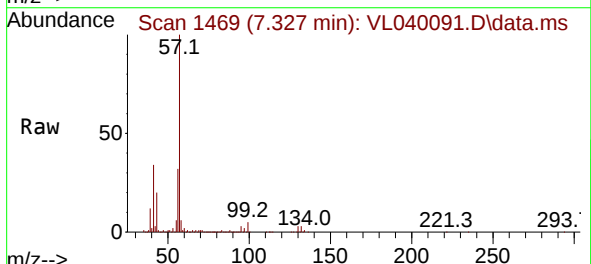
Tgt Ion: 69 Resp: 865035  
Ion Ratio Lower Upper  
69 100  
41 147.7 115.7 173.5  
100 30.3 26.0 39.0

Manual Integrations  
APPROVED

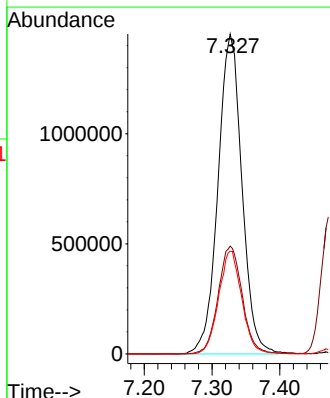
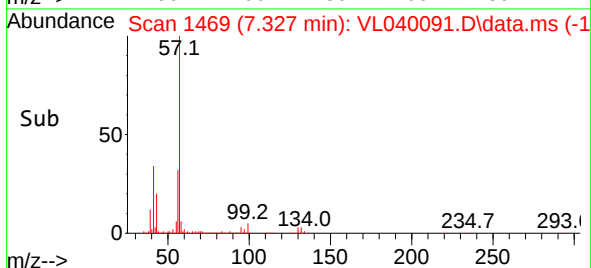
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023

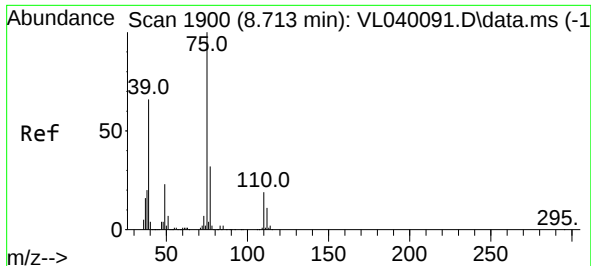


#44  
2,2,4-Trimethylpentane  
Concen: 8.480 ppbv  
RT: 7.327 min Scan# 1469  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17



Tgt Ion: 57 Resp: 3562653  
Ion Ratio Lower Upper  
57 100  
41 33.9 26.2 39.4  
56 31.2 25.1 37.7





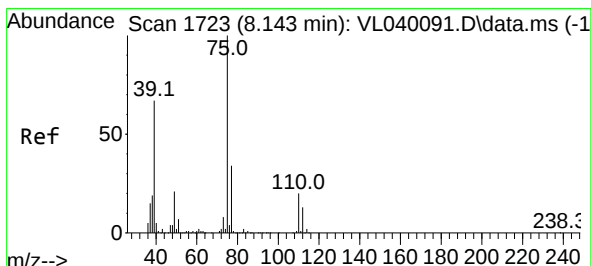
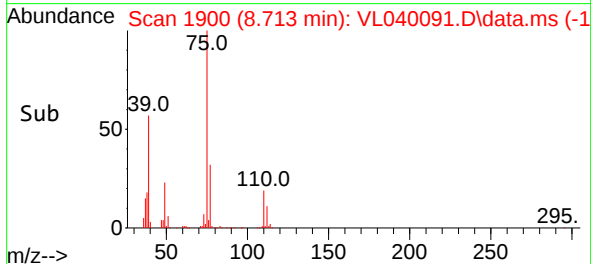
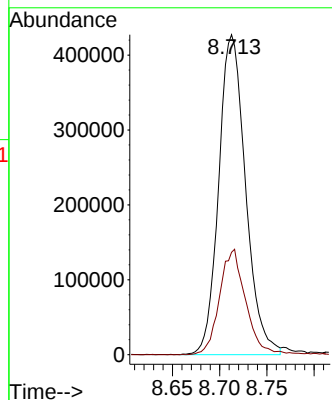
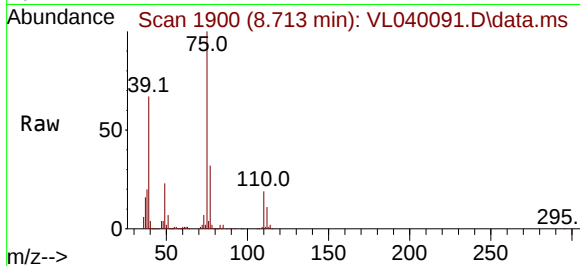
#45  
 t-1,3-Dichloropropene  
 Concen: 10.438 ppbv  
 RT: 8.713 min Scan# 1900  
 Delta R.T. 0.000 min  
 Lab File: VL040091.D  
 Acq: 16 Jan 2023 10:17

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010

Tgt Ion: 75 Resp: 844909  
 Ion Ratio Lower Upper  
 75 100  
 77 32.0 25.4 38.2

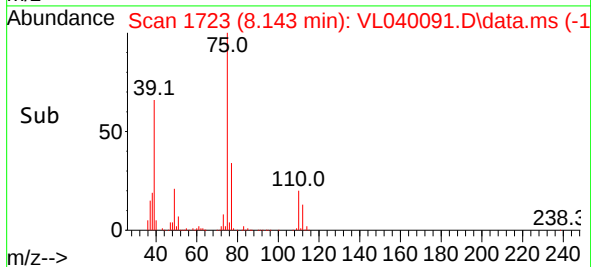
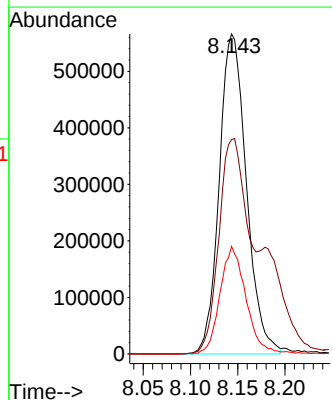
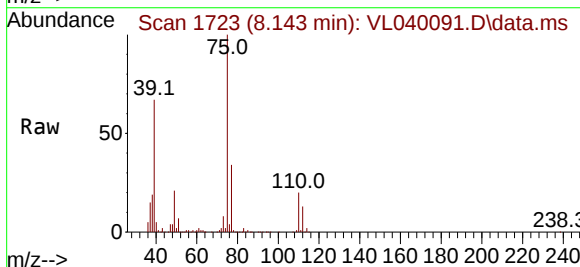
Manual Integrations  
 APPROVED

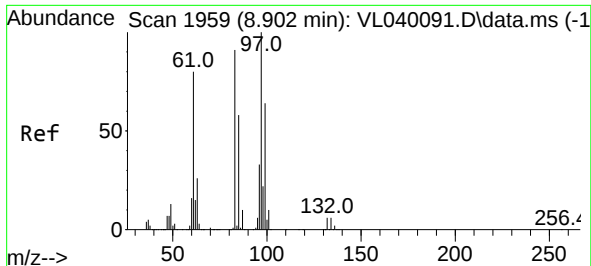
Reviewed By :Semsettin Yesilyurt 01/17/2023  
 Supervised By :Mahesh Dadoda 01/17/2023



#46  
 cis-1,3-Dichloropropene  
 Concen: 9.898 ppbv  
 RT: 8.143 min Scan# 1723  
 Delta R.T. 0.000 min  
 Lab File: VL040091.D  
 Acq: 16 Jan 2023 10:17

Tgt Ion: 75 Resp: 1130042  
 Ion Ratio Lower Upper  
 75 100  
 39 67.0 51.7 77.5  
 77 33.6 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 8.543 ppbv

RT: 8.902 min Scan# 1959

Delta R.T. 0.000 min

Lab File: VL040091.D

Acq: 16 Jan 2023 10:17

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 97 Resp: 894958

Ion Ratio Lower Upper

97 100

83 91.1 72.5 108.7

85 57.5 45.0 67.6

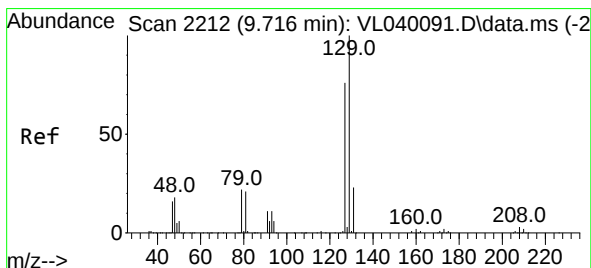
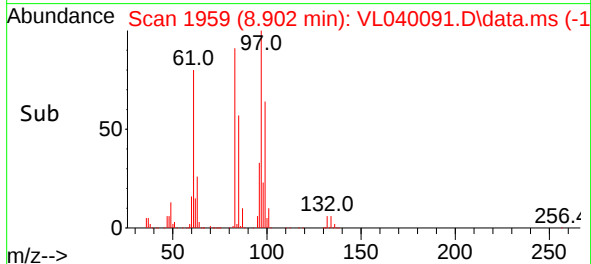
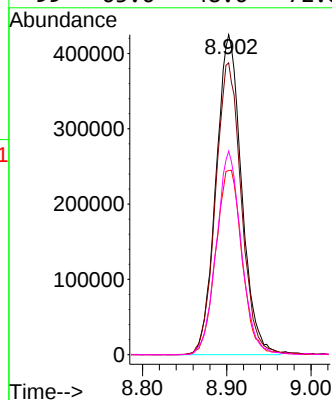
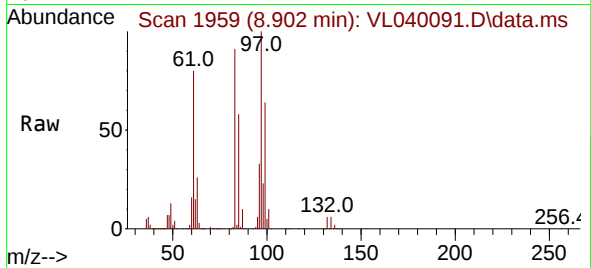
99 63.6 48.6 72.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#48

Dibromochloromethane

Concen: 10.015 ppbv

RT: 9.716 min Scan# 2212

Delta R.T. 0.000 min

Lab File: VL040091.D

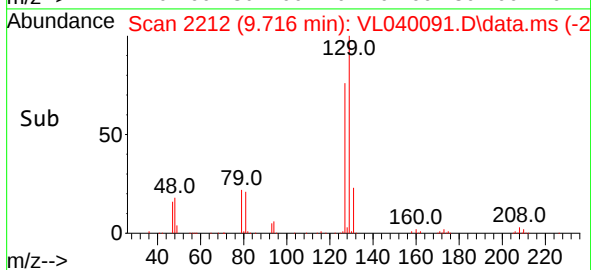
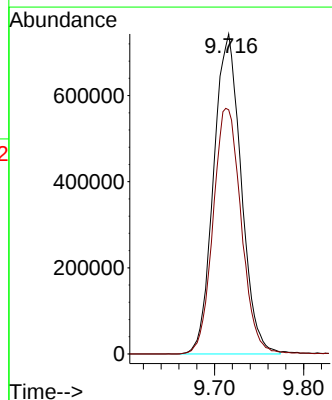
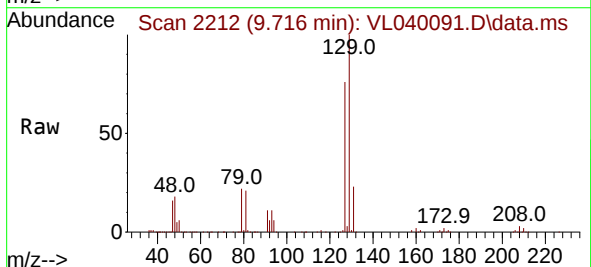
Acq: 16 Jan 2023 10:17

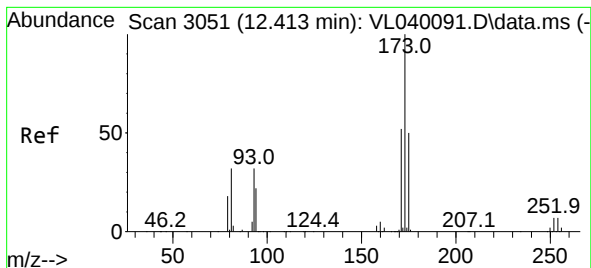
Tgt Ion:129 Resp: 1595394

Ion Ratio Lower Upper

129 100

127 78.6 39.4 118.1





#49

Bromoform

Concen: 10.641 ppbv

RT: 12.413 min Scan# 3051

Delta R.T. -0.003 min

Lab File: VL040091.D

Acq: 16 Jan 2023 10:17

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

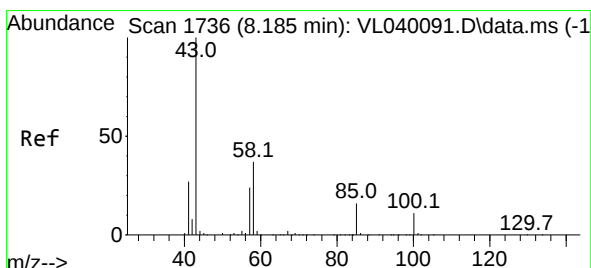
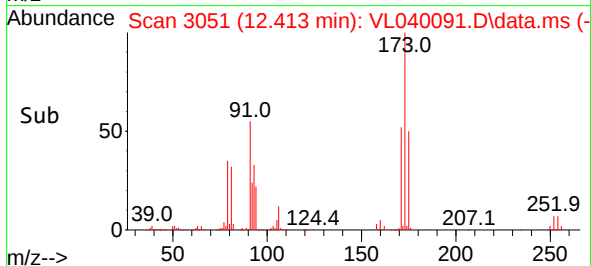
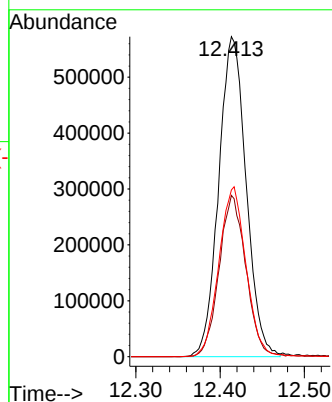
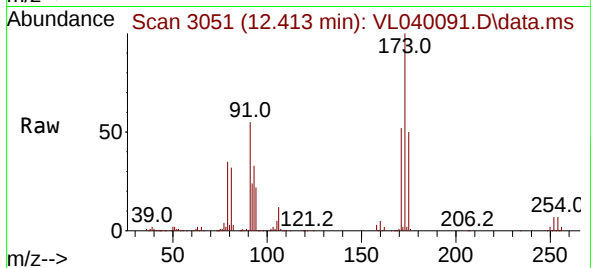
Tgt Ion:173 Resp: 129321

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 173 | 100   |       |       |
| 175 | 49.6  | 39.0  | 58.4  |
| 171 | 52.7  | 42.0  | 63.0  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023



#50

4-Methyl-2-Pentanone

Concen: 8.916 ppbv

RT: 8.185 min Scan# 1736

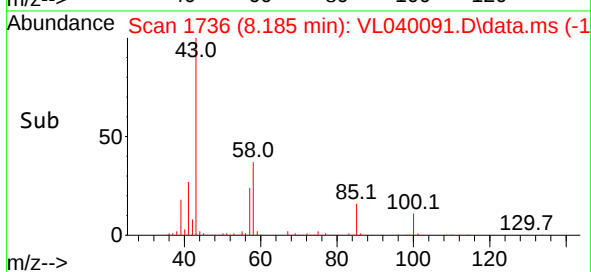
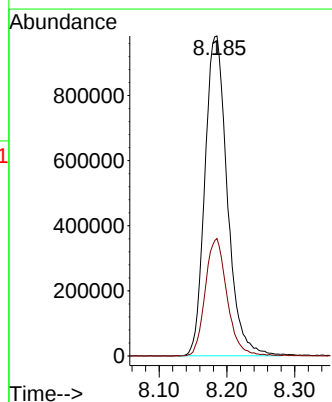
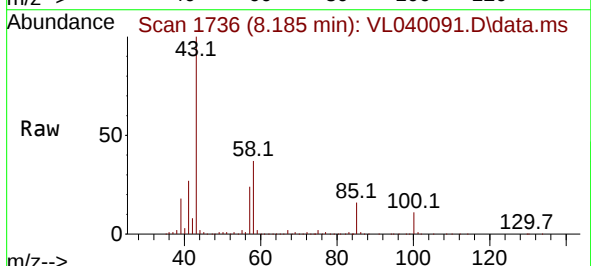
Delta R.T. 0.003 min

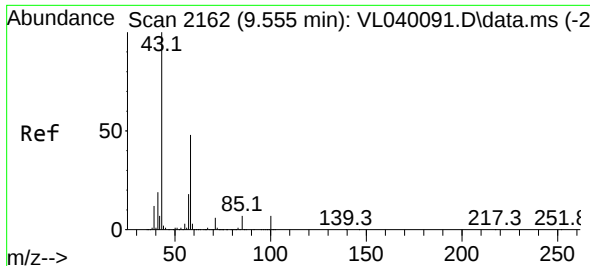
Lab File: VL040091.D

Acq: 16 Jan 2023 10:17

Tgt Ion: 43 Resp: 2258006

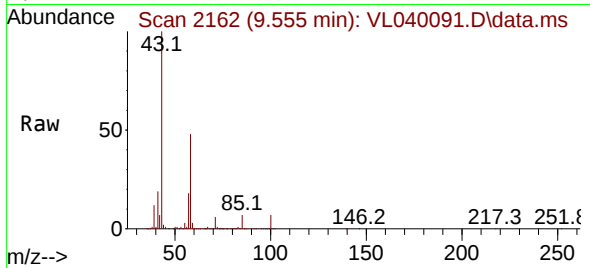
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 36.0  | 29.0  | 43.4  |





#51  
2-Hexanone  
Concen: 9.149 ppbv  
RT: 9.555 min Scan# 2162  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

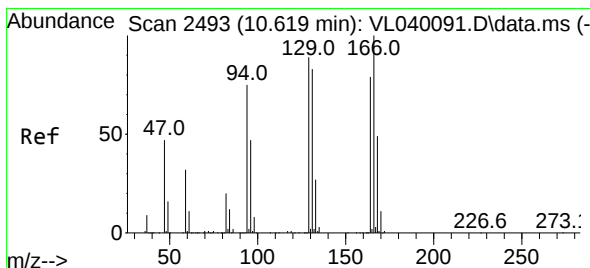
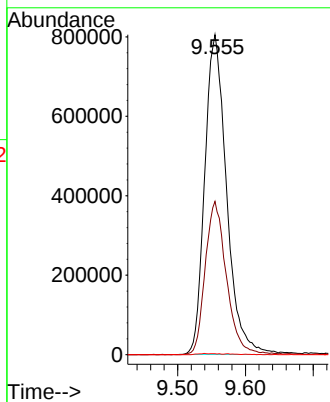
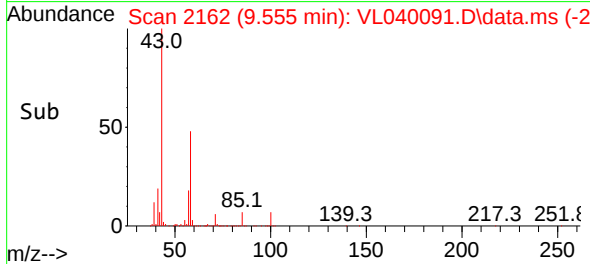
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 43 Resp: 1802194  
Ion Ratio Lower Upper  
43 100  
58 46.9 39.4 59.2  
98 0.5 0.2 0.4

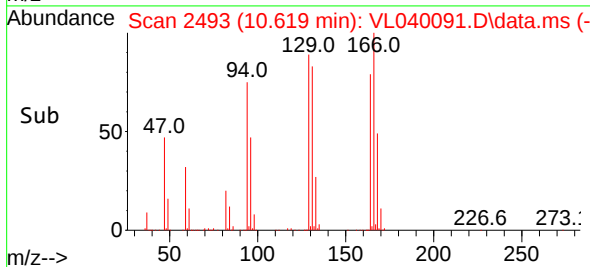
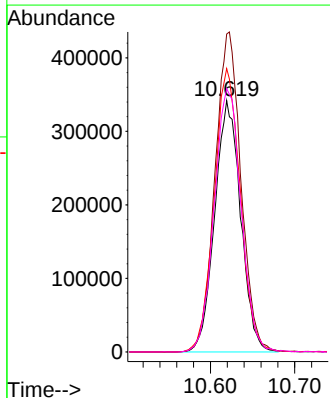
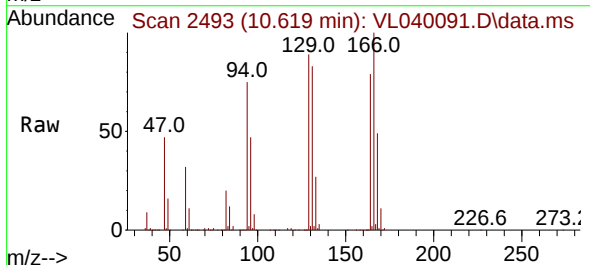
Manual Integrations  
APPROVED

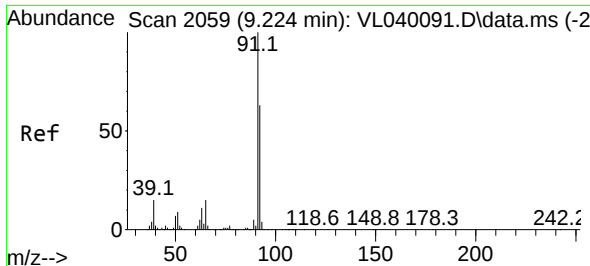
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023



#52  
Tetrachloroethene  
Concen: 8.399 ppbv  
RT: 10.619 min Scan# 2493  
Delta R.T. -0.003 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

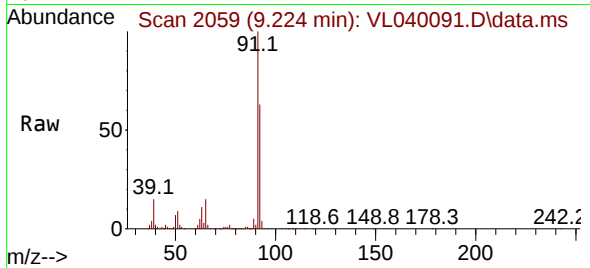
Tgt Ion:164 Resp: 728732  
Ion Ratio Lower Upper  
164 100  
166 126.5 97.4 146.0  
129 112.7 84.3 126.5  
131 104.8 85.8 128.8





#53  
Toluene  
Concen: 8.639 ppbv  
RT: 9.224 min Scan# 2059  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

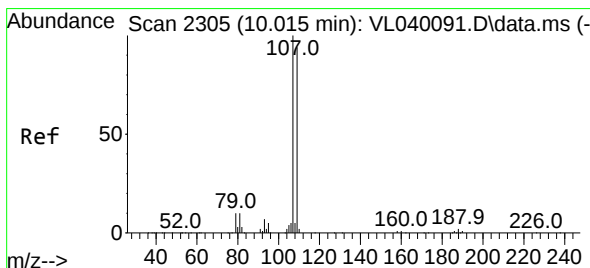
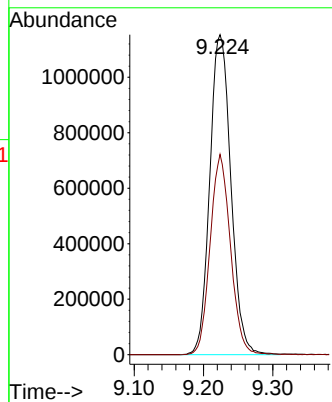
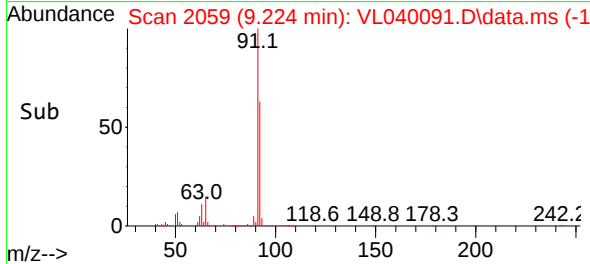
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



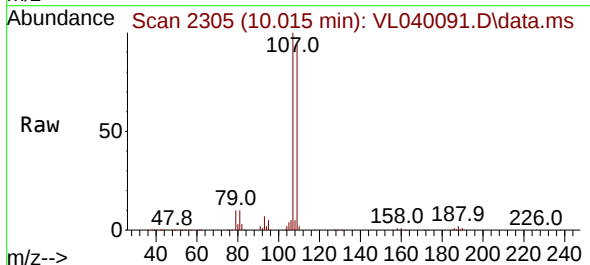
Tgt Ion: 91 Resp: 2440919  
Ion Ratio Lower Upper  
91 100  
92 60.4 48.7 73.1

Manual Integrations  
APPROVED

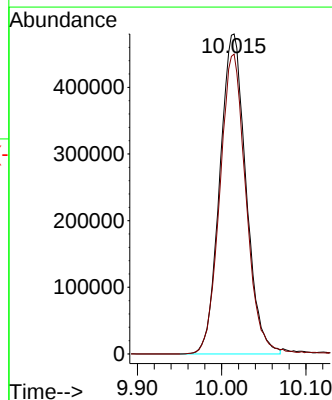
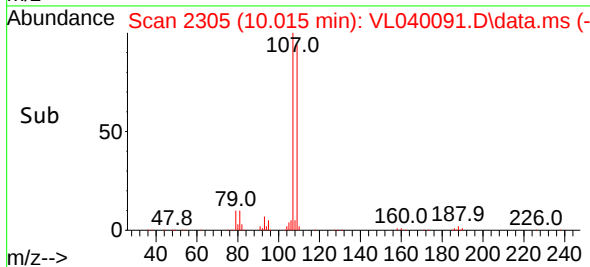
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023

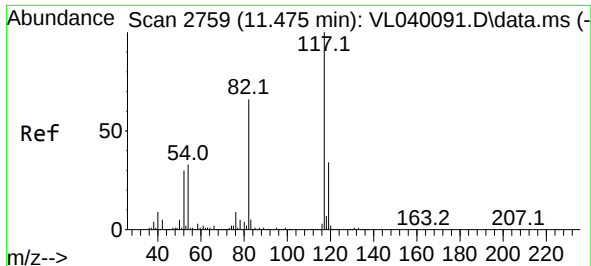


#54  
1,2-Dibromoethane  
Concen: 9.169 ppbv  
RT: 10.015 min Scan# 2305  
Delta R.T. 0.003 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17



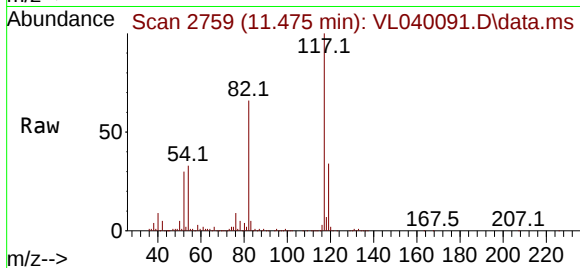
Tgt Ion:107 Resp: 1034309  
Ion Ratio Lower Upper  
107 100  
109 93.7 74.1 111.1





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv m  
RT: 11.475 min Scan# 2759  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

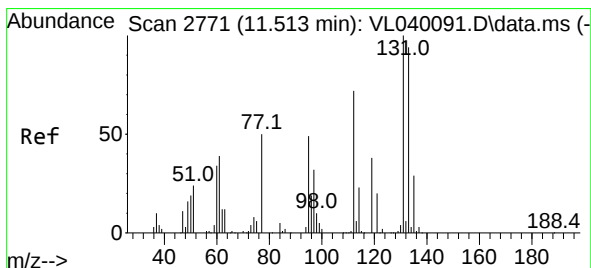
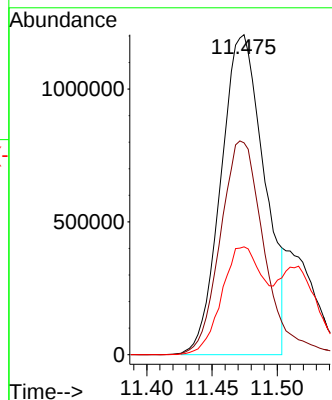
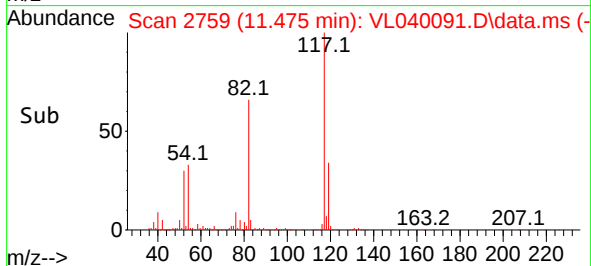
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion:117 Resp: 2791385  
Ion Ratio Lower Upper  
117 100  
82 68.0 51.2 76.8  
119 33.5 23.2 34.8

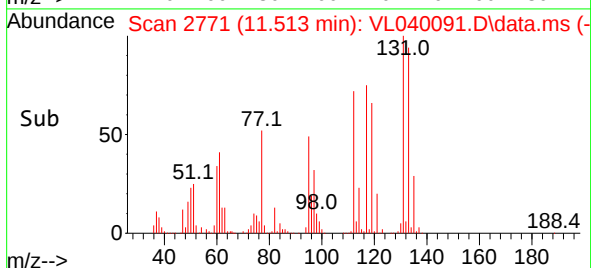
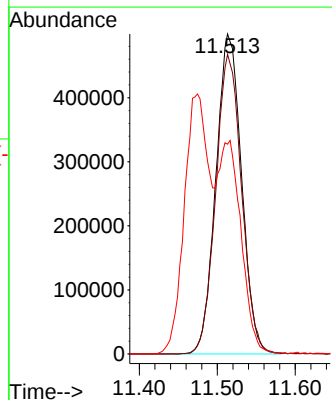
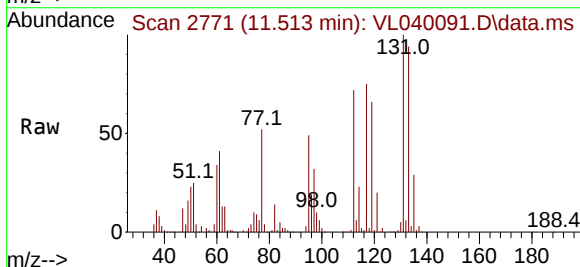
Manual Integrations  
APPROVED

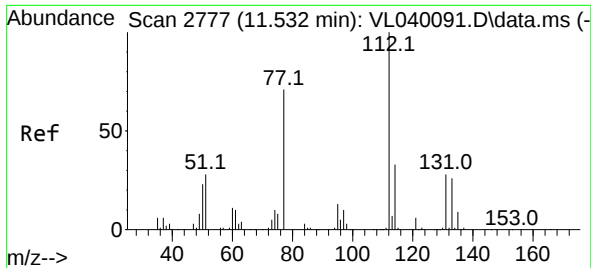
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023



#56  
1,1,1,2-Tetrachloroethane  
Concen: 8.862 ppbv  
RT: 11.513 min Scan# 2771  
Delta R.T. -0.003 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

Tgt Ion:131 Resp: 1141134  
Ion Ratio Lower Upper  
131 100  
133 94.5 75.8 113.8  
119 59.0 52.3 78.5





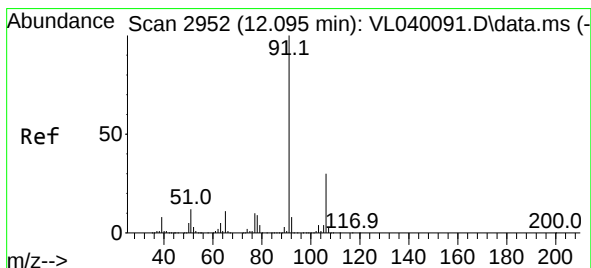
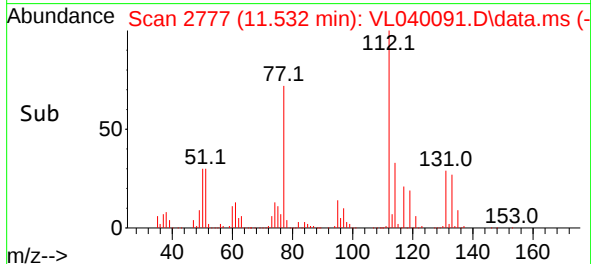
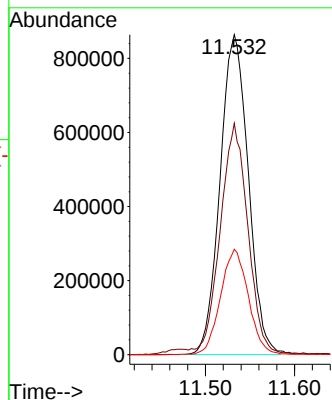
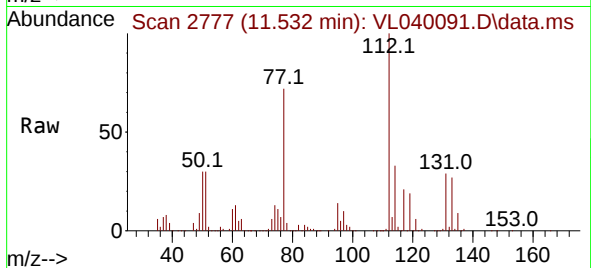
#57  
Chlorobenzene  
Concen: 8.024 ppbv  
RT: 11.532 min Scan# 2777  
Delta R.T. -0.003 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010

Tgt Ion:112 Resp: 1901324  
Ion Ratio Lower Upper  
112 100  
77 71.6 50.6 75.8  
114 32.9 27.8 34.0

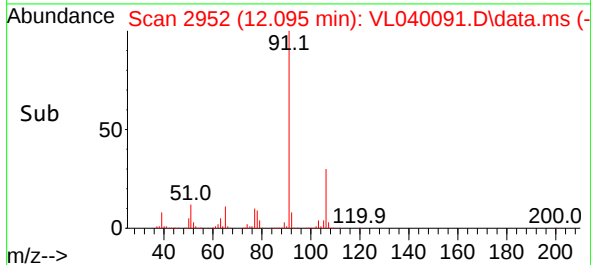
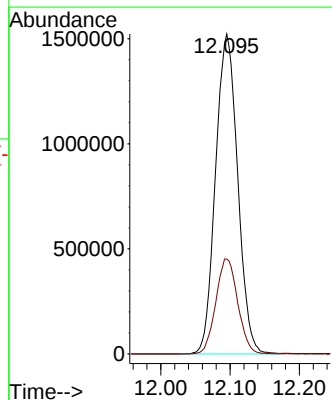
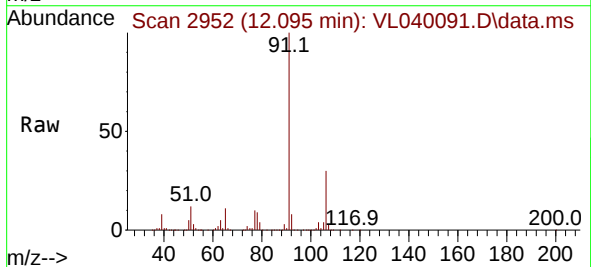
Manual Integrations  
APPROVED

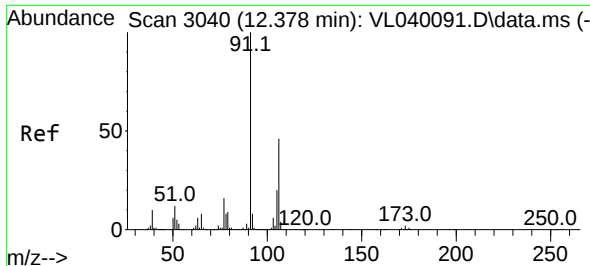
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023



#58  
Ethyl Benzene  
Concen: 8.522 ppbv  
RT: 12.095 min Scan# 2952  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

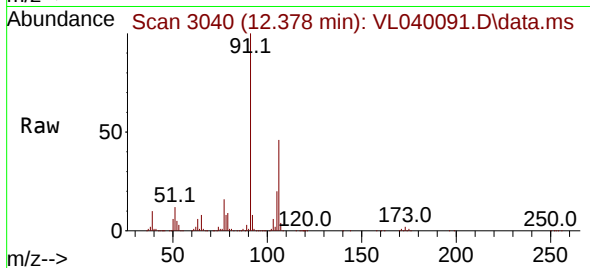
Tgt Ion: 91 Resp: 3379737  
Ion Ratio Lower Upper  
91 100  
106 29.6 23.5 35.3





#59  
m/p-Xylene  
Concen: 17.125 ppbv m  
RT: 12.378 min Scan# 3040  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

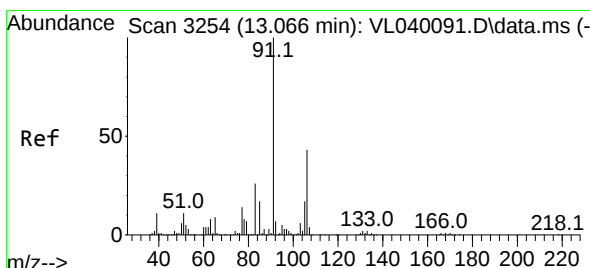
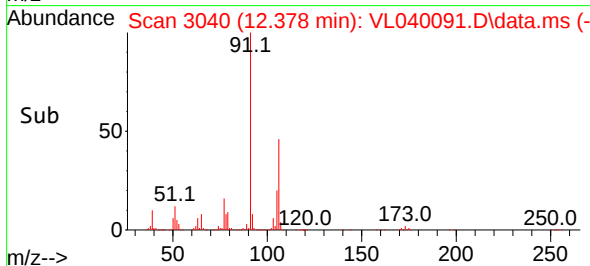
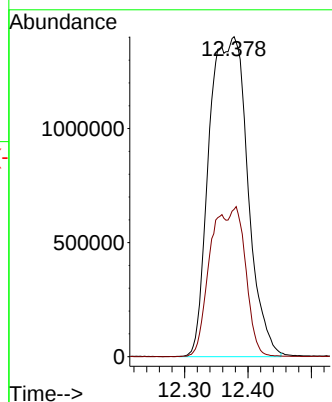
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 91 Resp: 5916654  
Ion Ratio Lower Upper  
91 100  
106 42.8 35.5 53.3

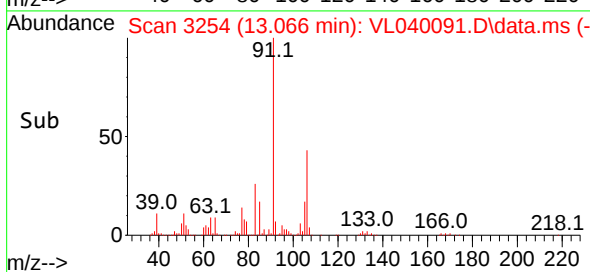
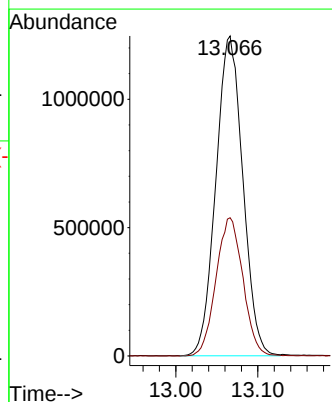
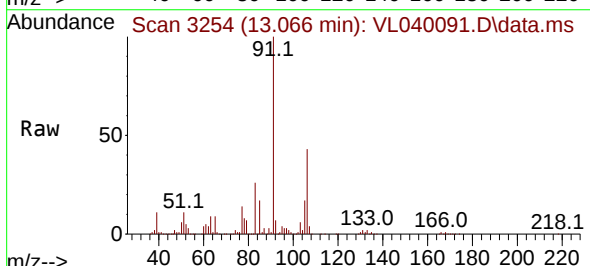
Manual Integrations  
APPROVED

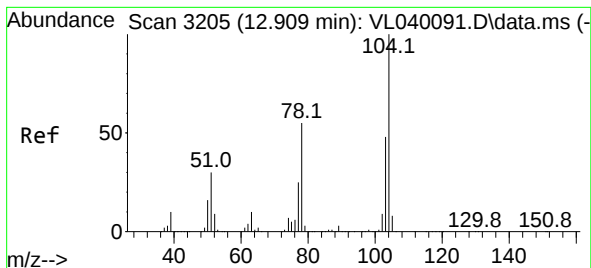
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023



#60  
o-Xylene  
Concen: 8.606 ppbv  
RT: 13.066 min Scan# 3254  
Delta R.T. 0.003 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

Tgt Ion: 91 Resp: 2848607  
Ion Ratio Lower Upper  
91 100  
106 43.2 22.4 67.0





#61

Styrene

Concen: 9.168 ppbv

RT: 12.909 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL040091.D

Acq: 16 Jan 2023 10:17

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion:104 Resp: 162759

Ion Ratio Lower Upper

104 100

78 55.0 42.4 63.6

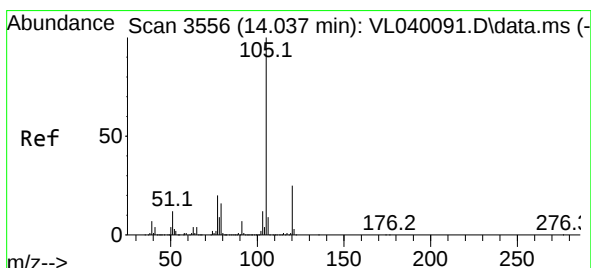
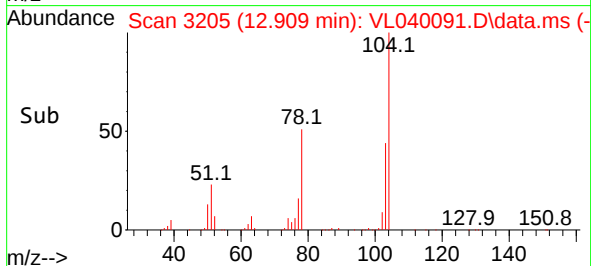
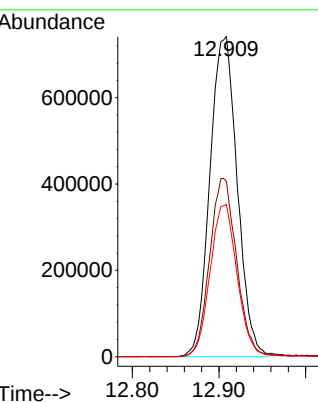
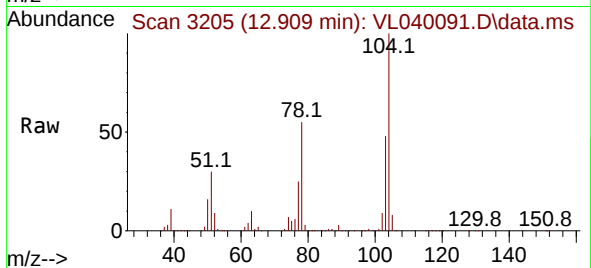
103 47.2 37.2 55.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#62

Isopropylbenzene

Concen: 8.332 ppbv

RT: 14.037 min Scan# 3556

Delta R.T. 0.000 min

Lab File: VL040091.D

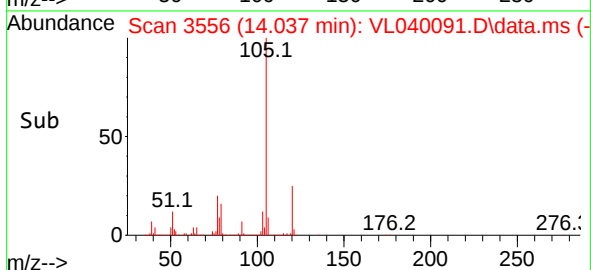
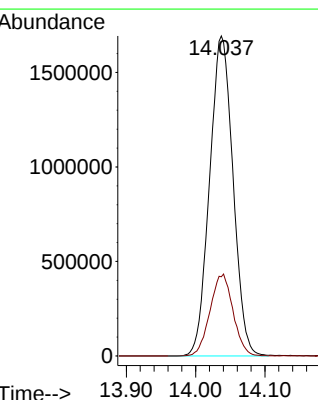
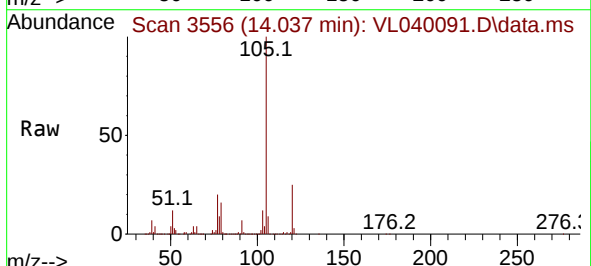
Acq: 16 Jan 2023 10:17

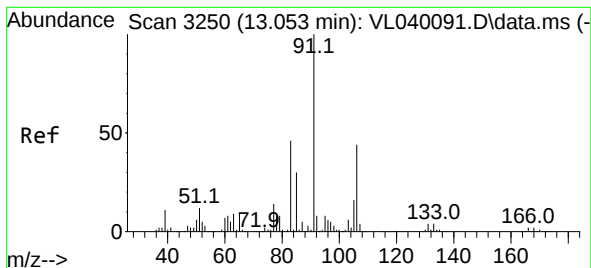
Tgt Ion:105 Resp: 3976139

Ion Ratio Lower Upper

105 100

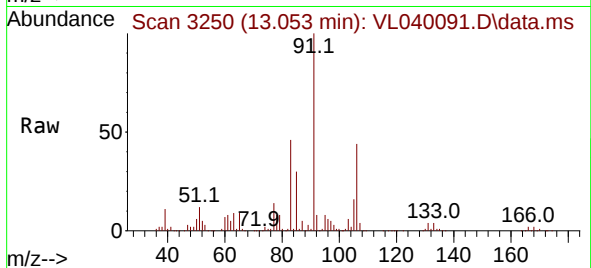
120 25.2 20.6 31.0





#63  
1,1,2,2-Tetrachloroethane  
Concen: 7.947 ppbv  
RT: 13.053 min Scan# 3250  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

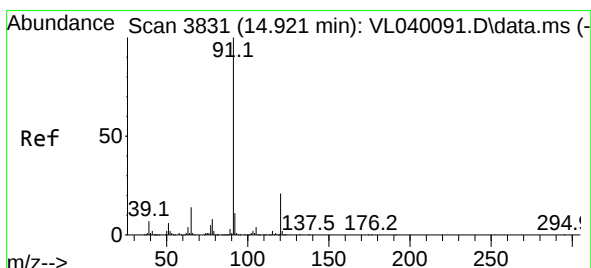
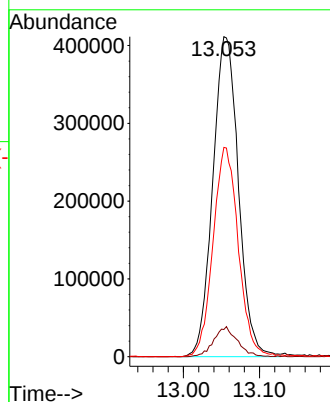
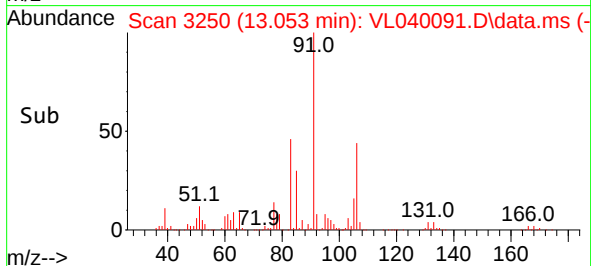
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



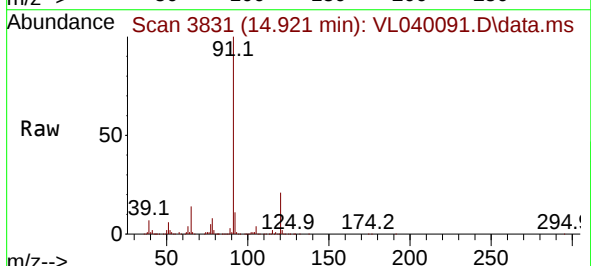
Tgt Ion: 83 Resp: 96444  
Ion Ratio Lower Upper  
83 100  
131 8.7 4.5 13.5  
85 65.0 33.3 99.9

Manual Integrations  
APPROVED

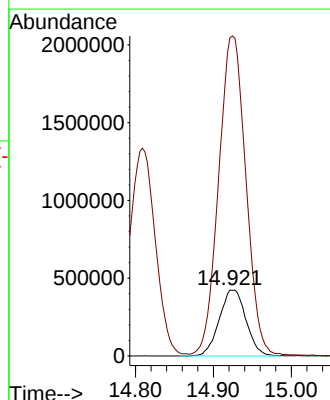
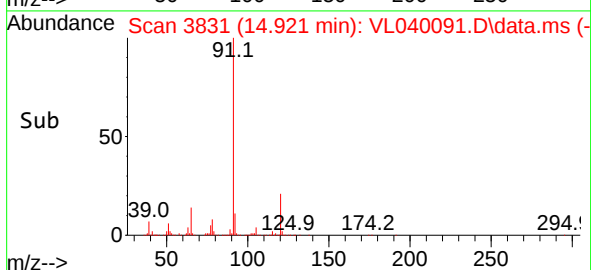
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023

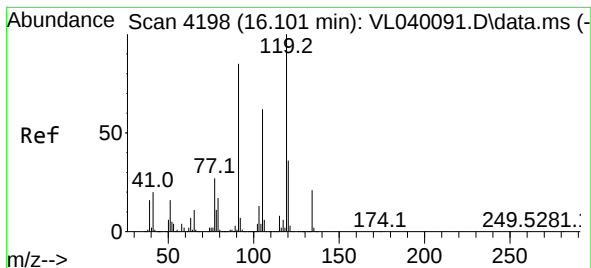


#64  
n-propylbenzene  
Concen: 8.399 ppbv  
RT: 14.921 min Scan# 3831  
Delta R.T. -0.006 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17



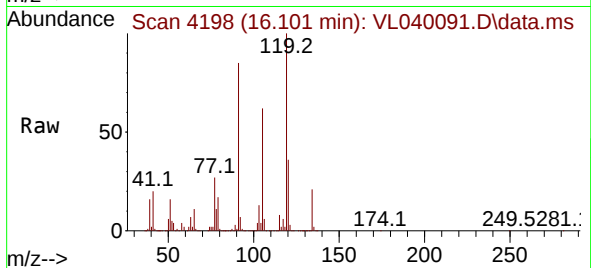
Tgt Ion:120 Resp: 1012383  
Ion Ratio Lower Upper  
120 100  
91 496.2 384.3 576.5





#65  
tert-Butylbenzene  
Concen: 8.393 ppbv  
RT: 16.101 min Scan# 4198  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

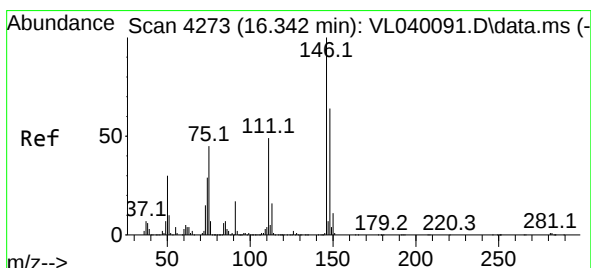
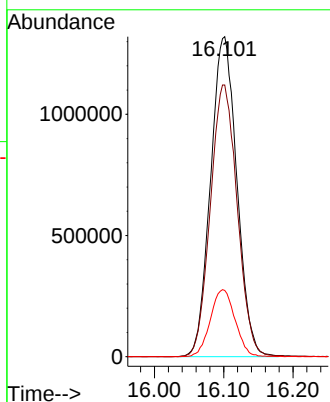
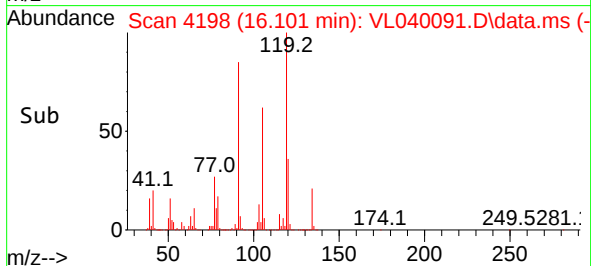
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 119 Resp: 3480692  
Ion Ratio Lower Upper  
119 100  
91 86.9 66.9 100.3  
134 19.8 15.8 23.6

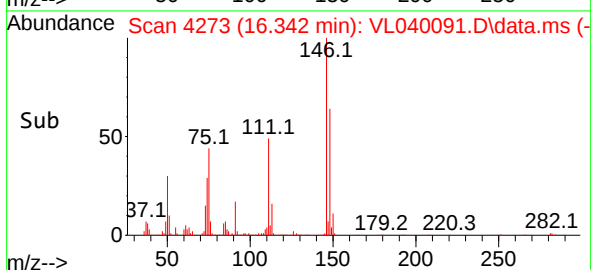
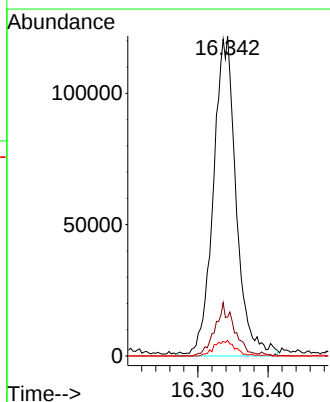
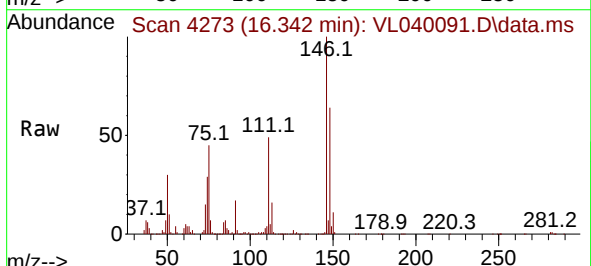
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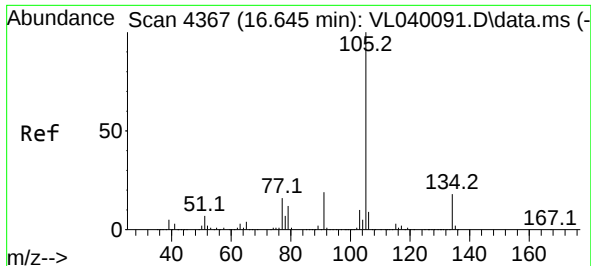
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023



#66  
Benzyl Chloride  
Concen: 11.411 ppbv m  
RT: 16.342 min Scan# 4273  
Delta R.T. 0.006 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

Tgt Ion: 91 Resp: 275970  
Ion Ratio Lower Upper  
91 100  
126 14.4 12.2 18.2  
128 0.0 4.2 6.2#





#67

sec-Butylbenzene

Concen: 8.447 ppbv

RT: 16.645 min Scan# 4367

Delta R.T. 0.000 min

Lab File: VL040091.D

Acq: 16 Jan 2023 10:17

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion:105 Resp: 490914

Ion Ratio Lower Upper

105 100

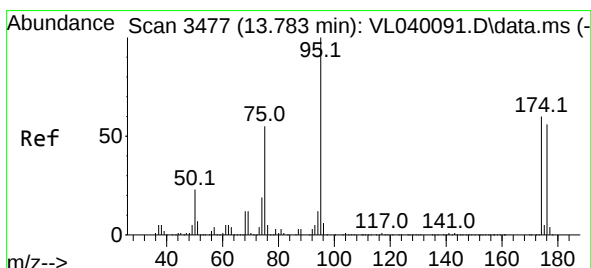
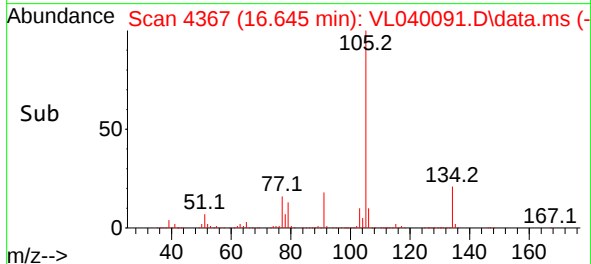
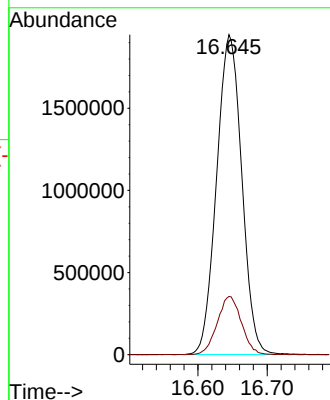
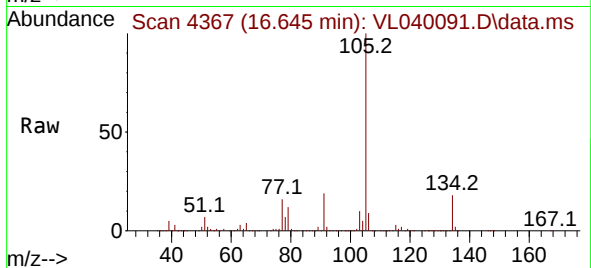
134 17.6 14.2 21.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 11.217 ppbv

RT: 13.783 min Scan# 3477

Delta R.T. -0.003 min

Lab File: VL040091.D

Acq: 16 Jan 2023 10:17

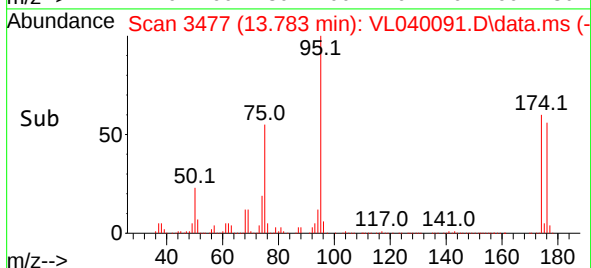
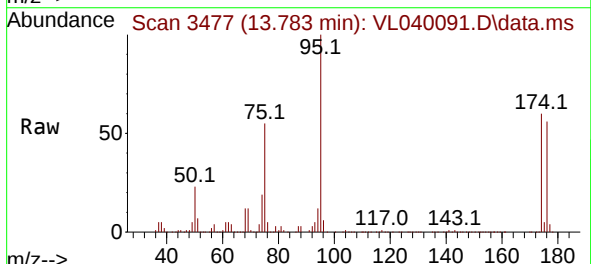
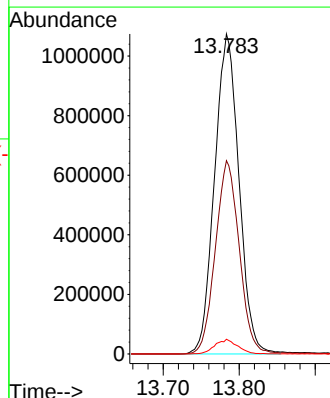
Tgt Ion: 95 Resp: 2391754

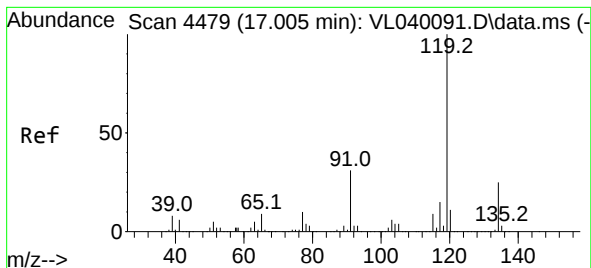
Ion Ratio Lower Upper

95 100

174 59.6 48.6 73.0

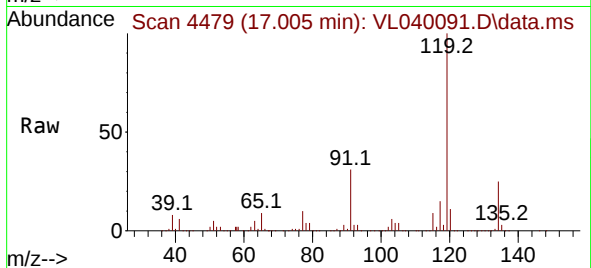
175 4.3 3.4 5.2





#69  
p-Isopropyltoluene  
Concen: 8.545 ppbv  
RT: 17.005 min Scan# 4479  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

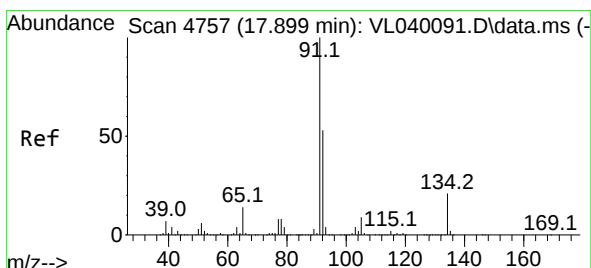
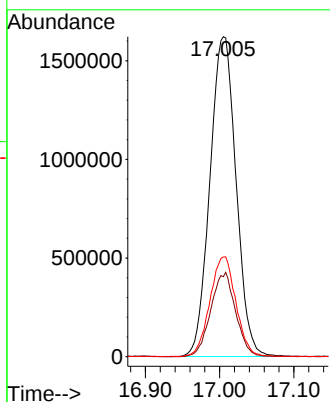
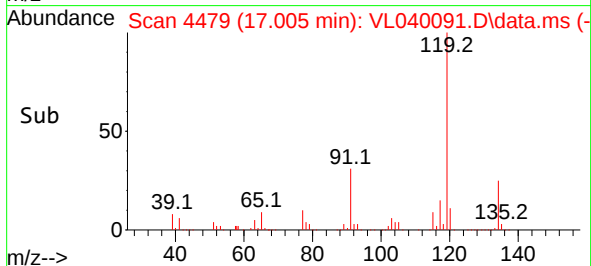
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



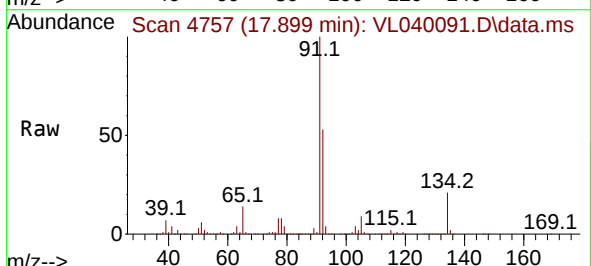
Tgt Ion:119 Resp: 396726  
Ion Ratio Lower Upper  
119 100  
134 25.1 20.2 30.4  
91 31.2 24.2 36.4

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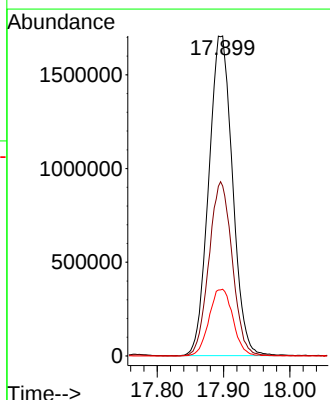
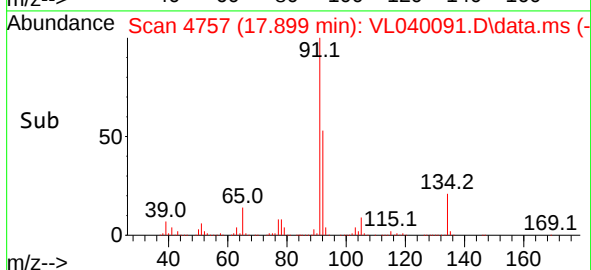
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023

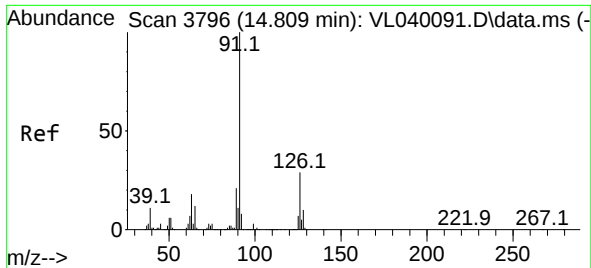


#70  
n-Butylbenzene  
Concen: 8.740 ppbv  
RT: 17.899 min Scan# 4757  
Delta R.T. 0.003 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17



Tgt Ion: 91 Resp: 4251027  
Ion Ratio Lower Upper  
91 100  
92 53.5 43.2 64.8  
134 21.1 17.4 26.2





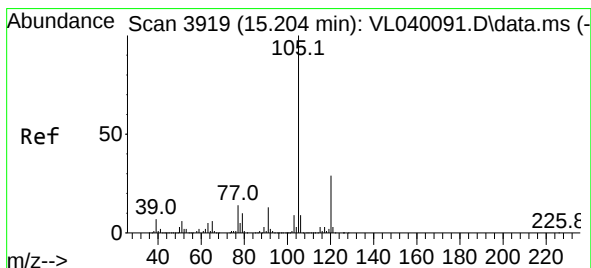
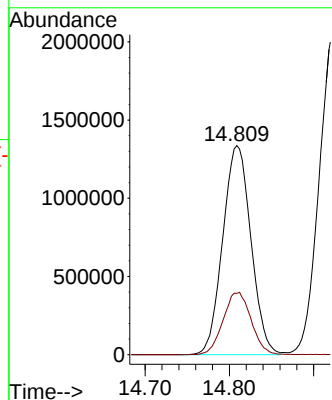
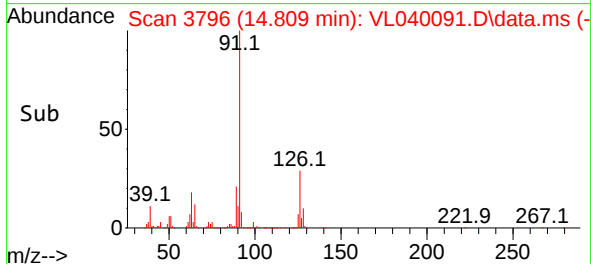
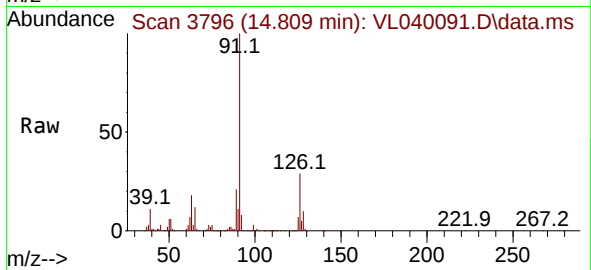
#71  
2-Chlorotoluene  
Concen: 8.526 ppbv  
RT: 14.809 min Scan# 3796  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010

Tgt Ion: 91 Resp: 3104190  
Ion Ratio Lower Upper  
91 100  
126 29.7 12.1 48.5

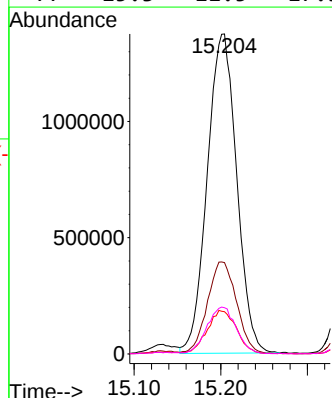
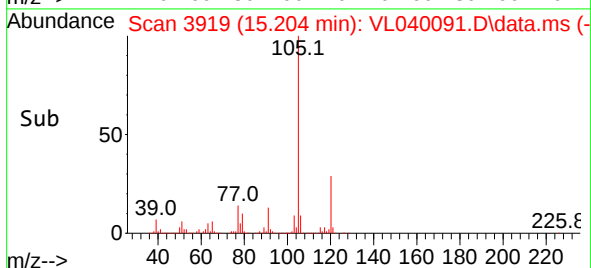
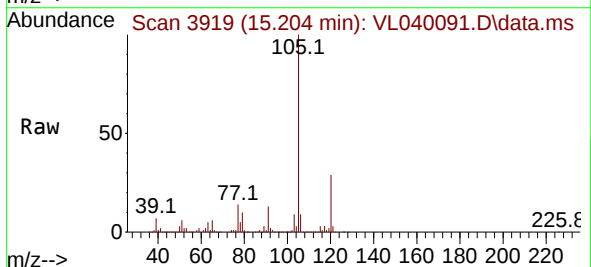
Manual Integrations  
APPROVED

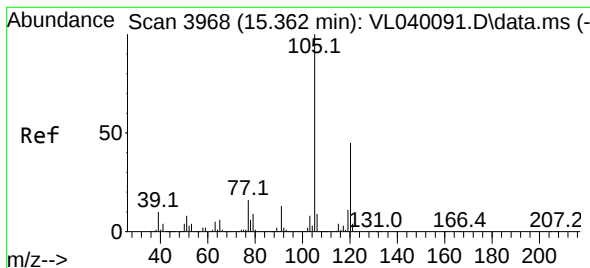
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023



#72  
4-Ethyltoluene  
Concen: 8.830 ppbv  
RT: 15.204 min Scan# 3919  
Delta R.T. 0.003 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

Tgt Ion:105 Resp: 3245461  
Ion Ratio Lower Upper  
105 100  
120 28.9 23.5 35.3  
91 14.0 10.5 15.7  
77 15.3 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 8.660 ppbv

RT: 15.362 min Scan# 3968

Delta R.T. 0.003 min

Lab File: VL040091.D

Acq: 16 Jan 2023 10:17

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion:105 Resp: 2870200

Ion Ratio Lower Upper

105 100

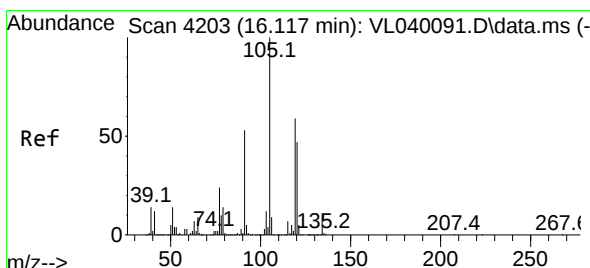
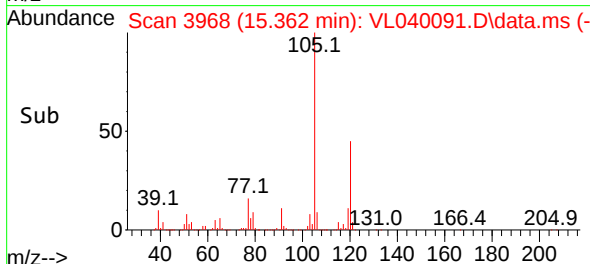
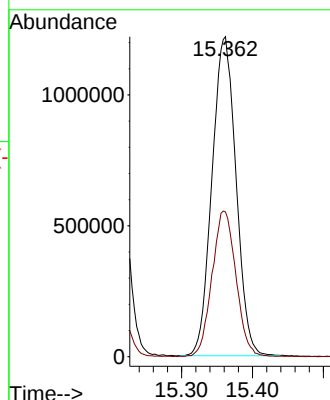
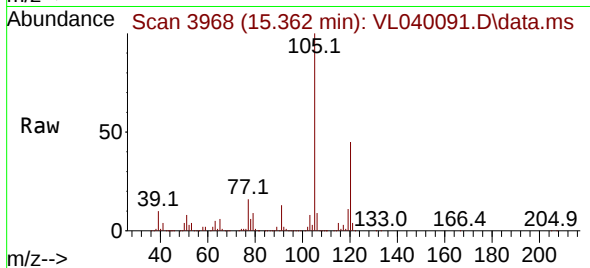
120 45.3 38.4 57.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023

Supervised By :Mahesh Dadoda 01/17/2023



#74

1,2,4-Trimethylbenzene

Concen: 8.547 ppbv

RT: 16.117 min Scan# 4203

Delta R.T. 0.000 min

Lab File: VL040091.D

Acq: 16 Jan 2023 10:17

Tgt Ion:105 Resp: 3122664

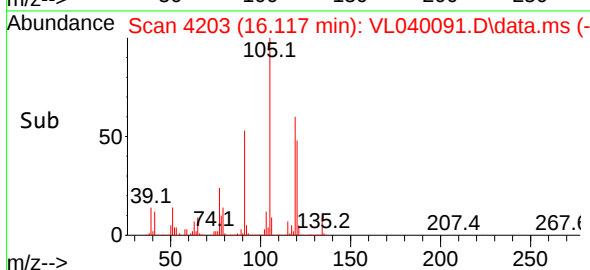
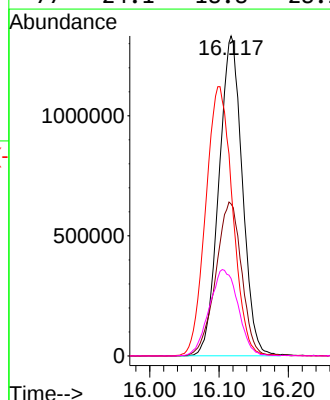
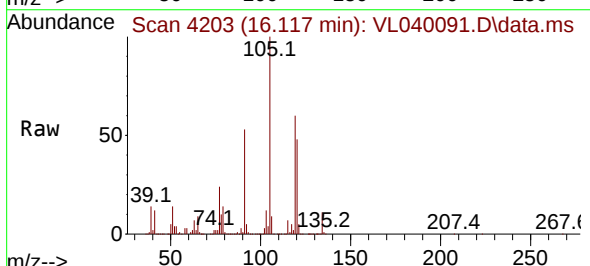
Ion Ratio Lower Upper

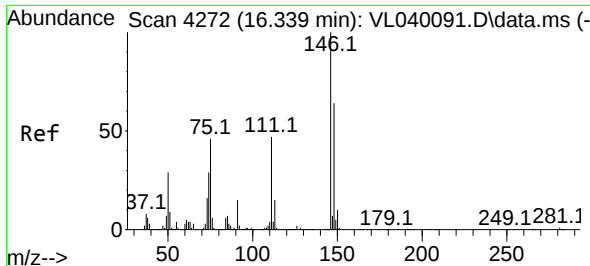
105 100

120 47.5 39.3 58.9

91 52.6 44.2 66.4

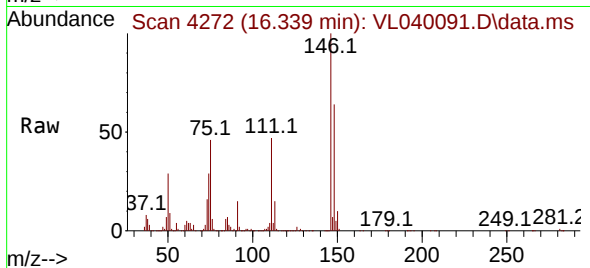
77 24.1 18.8 28.2





#75  
1,3-Dichlorobenzene  
Concen: 8.605 ppbv  
RT: 16.339 min Scan# 4272  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

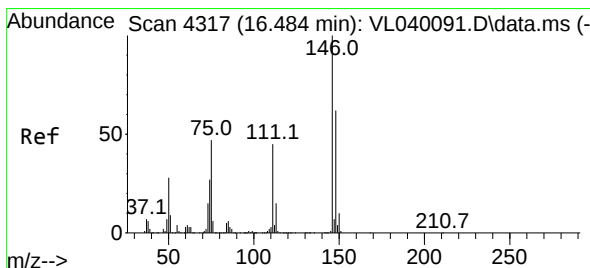
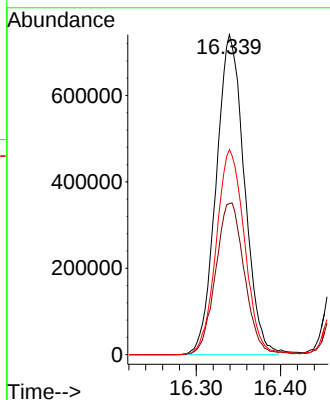
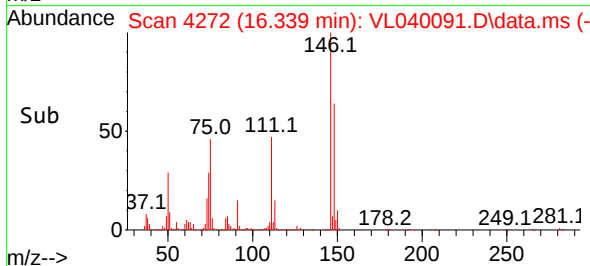
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



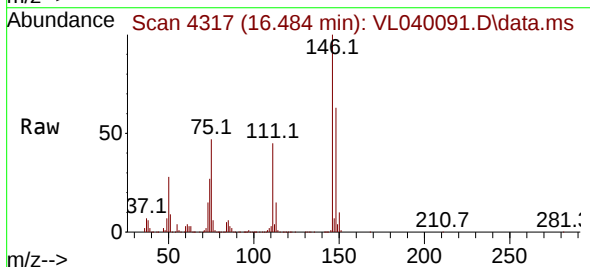
Tgt Ion:146 Resp: 1720254  
Ion Ratio Lower Upper  
146 100  
111 48.7 23.9 71.8  
148 64.5 32.0 96.2

Manual Integrations  
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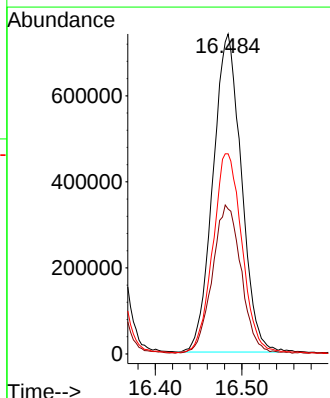
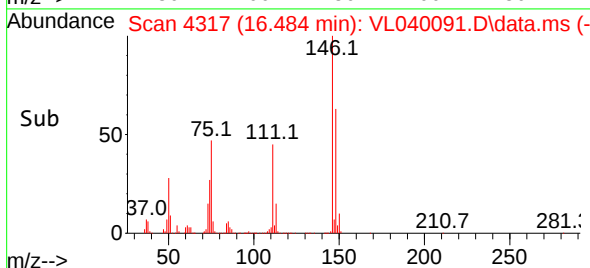
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023

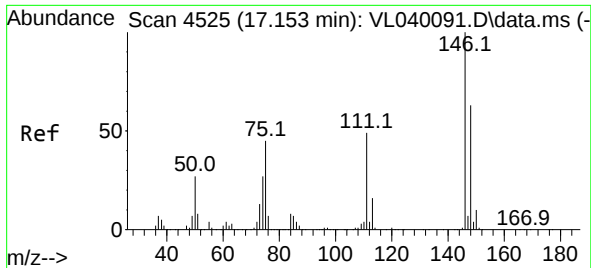


#76  
1,4-Dichlorobenzene  
Concen: 8.619 ppbv  
RT: 16.484 min Scan# 4317  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17



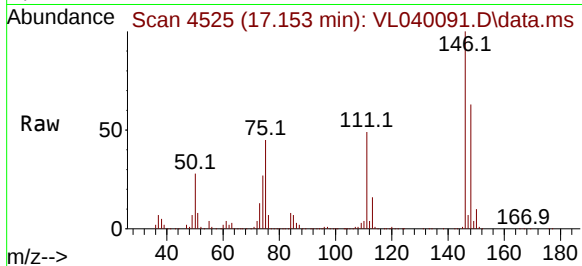
Tgt Ion:146 Resp: 1682199  
Ion Ratio Lower Upper  
146 100  
111 47.5 23.4 70.2  
148 65.6 32.0 96.2





#77  
1,2-Dichlorobenzene  
Concen: 8.495 ppbv  
RT: 17.153 min Scan# 4525  
Delta R.T. -0.003 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

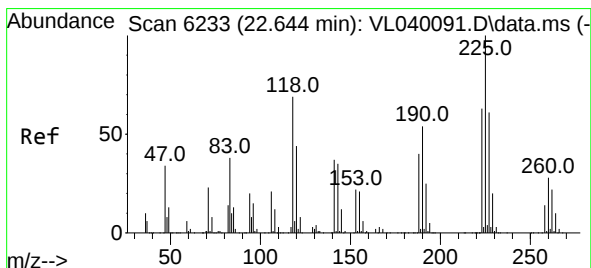
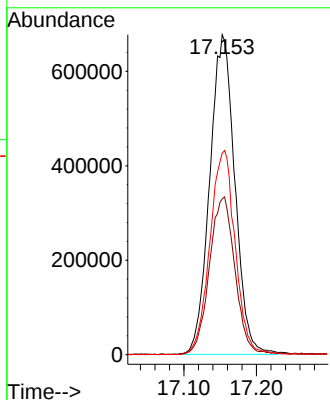
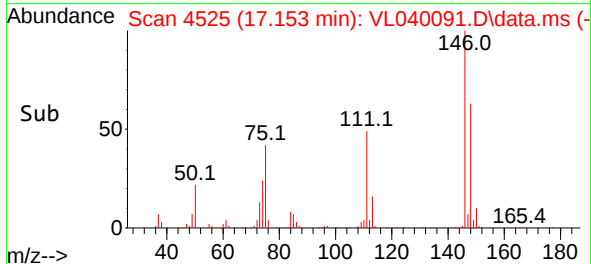
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



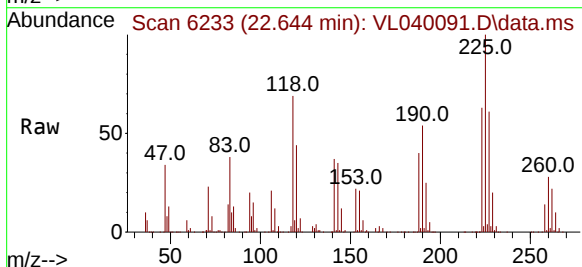
Tgt Ion:146 Resp: 1628780  
Ion Ratio Lower Upper  
146 100  
111 50.1 25.3 75.9  
148 64.7 31.9 95.9

Manual Integrations  
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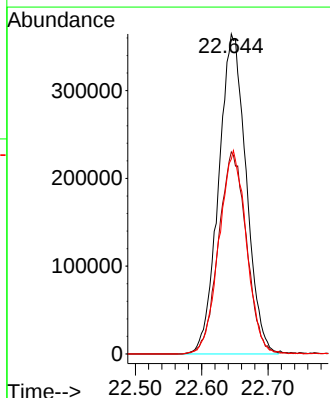
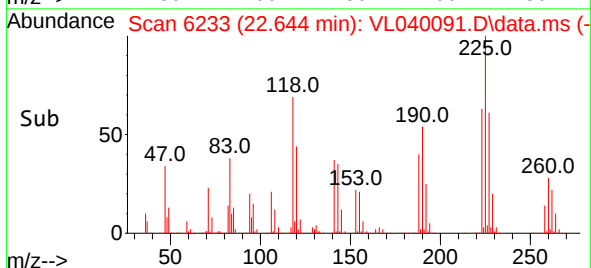
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023

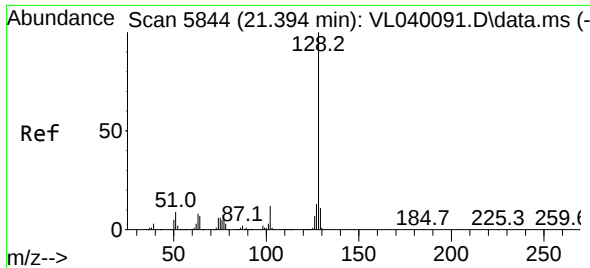


#78  
Hexachloro-1,3-Butadiene  
Concen: 7.907 ppbv  
RT: 22.644 min Scan# 6233  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17



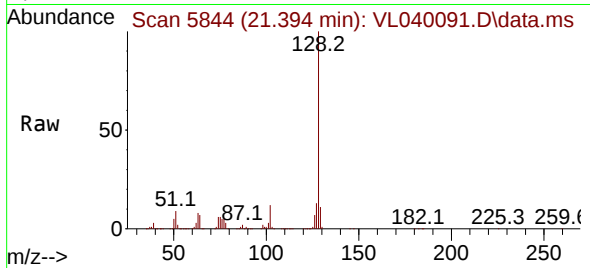
Tgt Ion:225 Resp: 1051673  
Ion Ratio Lower Upper  
225 100  
223 64.4 0.0 0.0#  
227 63.3 0.0 0.0#





#79  
Naphthalene  
Concen: 9.755 ppbv  
RT: 21.394 min Scan# 5844  
Delta R.T. -0.003 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

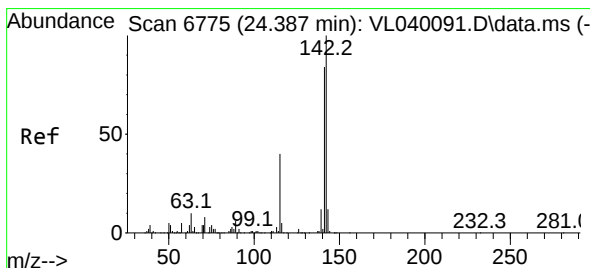
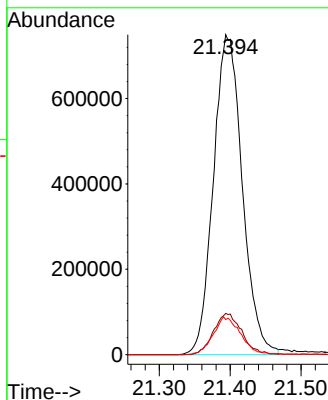
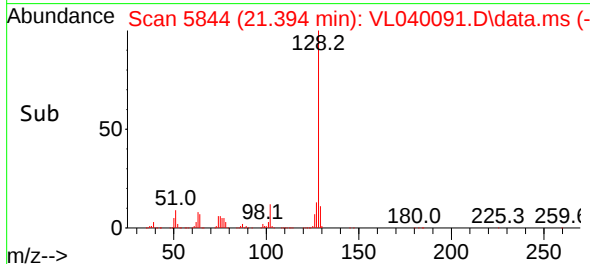
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



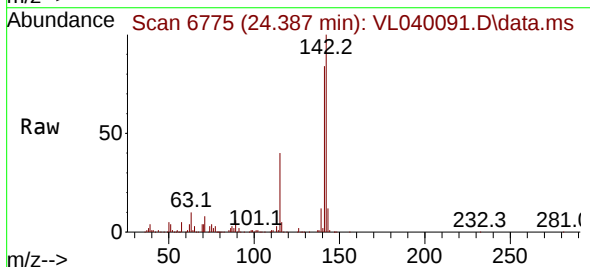
Tgt Ion:128 Resp: 2123672  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.0 15.0  
129 11.0 8.8 13.2

Manual Integrations  
APPROVED

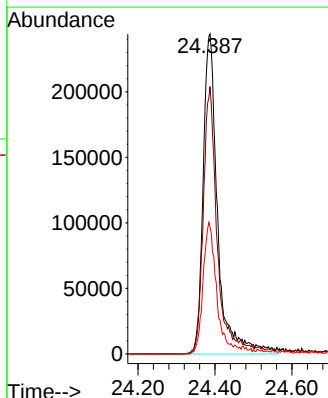
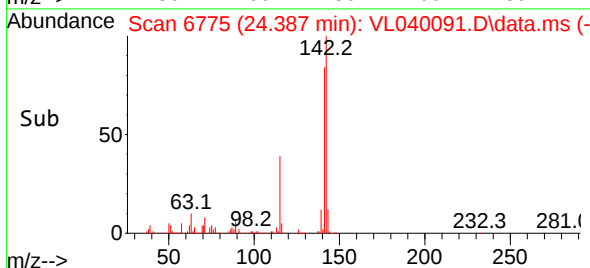
Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023

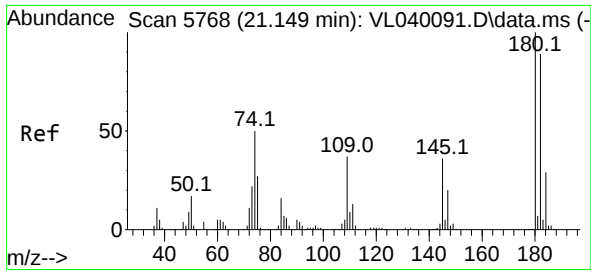


#80  
Naphthalene,2-methyl-  
Concen: 9.615 ppbv  
RT: 24.387 min Scan# 6775  
Delta R.T. -0.003 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17



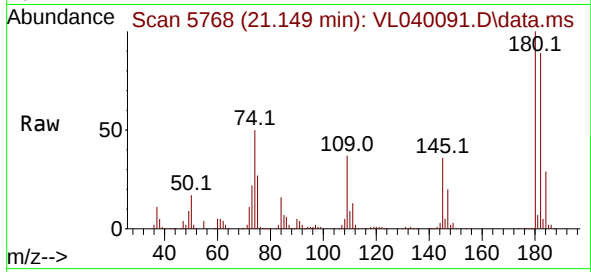
Tgt Ion:142 Resp: 640414  
Ion Ratio Lower Upper  
142 100  
141 81.3 65.3 97.9  
115 39.8 31.9 47.9





#81  
1,2,4-Trichlorobenzene  
Concen: 8.604 ppbv  
RT: 21.149 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VL040091.D  
Acq: 16 Jan 2023 10:17

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion:180 Resp: 1112608  
Ion Ratio Lower Upper  
180 100  
182 98.2 76.6 115.0  
184 31.4 24.9 37.3

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023  
Supervised By :Mahesh Dadoda 01/17/2023

