

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041223\  
 Data File : VL040337.D  
 Acq On : 12 Apr 2023 12:39  
 Operator : SY/MD  
 Sample : VL0412ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0412ABS01

Quant Time: Apr 13 05:36:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL031523AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2023  
 QLast Update : Tue Apr 11 04:15:53 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/13/2023  
 Supervised By : Mahesh Dadoda 04/13/2023

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 5.189  | 49    | 1101056  | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene       | 6.655  | 114   | 2759072  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5          | 11.474 | 117   | 2675273m | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene   | 13.789 | 95    | 2108153  | 9.410    | ppbv   | 0.00     |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | =      | 94.100%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.716  | 85    | 1364869  | 6.318    | ppbv   | 98       |
| 3) Chlorodifluoromethane      | 2.661  | 51    | 1250648  | 9.033    | ppbv   | 99       |
| 4) Chloromethane              | 2.800  | 50    | 789085   | 9.230    | ppbv   | 100      |
| 5) Vinyl Chloride             | 2.909  | 62    | 682810   | 9.864    | ppbv   | 96       |
| 6) Bromomethane               | 3.108  | 94    | 231030   | 9.624    | ppbv   | 93       |
| 7) Chloroethane               | 3.189  | 64    | 256528   | 9.652    | ppbv   | 95       |
| 8) Dichlorotetrafluoroethane  | 2.845  | 85    | 1685625  | 9.115    | ppbv   | 99       |
| 9) Propene                    | 2.681  | 41    | 525690   | 9.911    | ppbv   | 94       |
| 10) Heptane                   | 7.584  | 43    | 1246467  | 9.770    | ppbv   | 99       |
| 11) Trichlorofluoromethane    | 3.555  | 101   | 1745972  | 8.920    | ppbv   | 99       |
| 12) 1,1,2-Trichlorotrifluo... | 4.060  | 101   | 1241391  | 8.445    | ppbv   | 98       |
| 13) Ethanol                   | 3.237  | 45    | 32659m   | 8.395    | ppbv   |          |
| 14) Bromoethene               | 3.359  | 108   | 528485   | 9.638    | ppbv   | 98       |
| 15) Acetone                   | 3.459  | 43    | 1174849  | 8.765    | ppbv   | 98       |
| 16) 1,3-Butadiene             | 2.973  | 39    | 602937   | 9.896    | ppbv   | 99       |
| 17) tert-Butyl alcohol        | 3.867  | 59    | 1311608  | 10.295   | ppbv   | 100      |
| 18) 1,1-Dichloroethene        | 3.873  | 96    | 570302   | 9.044    | ppbv   | 98       |
| 19) Isopropyl Alcohol         | 3.565  | 45    | 611540   | 9.524    | ppbv   | 98       |
| 20) Methylene Chloride        | 3.925  | 84    | 475582   | 8.433    | ppbv   | 98       |
| 21) Allyl Chloride            | 3.989  | 41    | 814815   | 9.384    | ppbv   | 97       |
| 22) trans-1,2-Dichloroethene  | 4.443  | 96    | 574669   | 8.954    | ppbv   | 97       |
| 23) Vinyl Acetate             | 4.619  | 43    | 369498   | 9.908    | ppbv # | 93       |
| 24) 1,1-Dichloroethane        | 4.558  | 63    | 1165086  | 8.759    | ppbv   | 99       |
| 25) Ethyl Acetate             | 5.201  | 43    | 2365248  | 9.425    | ppbv   | 99       |
| 26) Hexane                    | 5.211  | 57    | 1005304  | 9.759    | ppbv   | 96       |
| 27) Carbon Disulfide          | 4.118  | 76    | 1385949  | 9.633    | ppbv   | 100      |
| 28) Methyl tert-Butyl Ether   | 4.581  | 73    | 1077105  | 9.106    | ppbv   | 99       |
| 29) Chloroform                | 5.272  | 83    | 1725421  | 9.486    | ppbv   | 97       |
| 30) Cyclohexane               | 6.606  | 84    | 841322   | 10.364   | ppbv   | 99       |
| 31) cis-1,2-Dichloroethene    | 5.076  | 61    | 1031769  | 10.285   | ppbv   | 94       |
| 32) 1,1,1-Trichloroethane     | 6.005  | 97    | 1749306  | 10.038   | ppbv   | 99       |
| 34) 2-Butanone                | 4.780  | 43    | 1301252  | 9.556    | ppbv   | 99       |
| 35) Carbon Tetrachloride      | 6.497  | 117   | 1786719  | 10.319   | ppbv   | 98       |
| 36) Benzene                   | 6.372  | 78    | 2095440  | 9.966    | ppbv   | 98       |
| 37) 1,2-Dichloroethane        | 5.806  | 62    | 1335777  | 9.761    | ppbv   | 100      |
| 38) Trichloroethene           | 7.298  | 130   | 1243677  | 10.824   | ppbv   | 99       |
| 39) 1,2-Dichloropropane       | 7.079  | 63    | 809395   | 9.812    | ppbv   | 97       |
| 40) 1,4-Dioxane               | 7.291  | 88    | 285837   | 8.758    | ppbv # | 1        |
| 41) Tetrahydrofuran           | 5.555  | 42    | 784728   | 9.985    | ppbv   | 99       |
| 42) Bromodichloromethane      | 7.253  | 83    | 1862686  | 9.960    | ppbv   | 99       |
| 43) Methyl Methacrylate       | 7.478  | 69    | 827593   | 10.591   | ppbv   | 98       |
| 44) 2,2,4-Trimethylpentane    | 7.333  | 57    | 3493883  | 9.966    | ppbv   | 99       |
| 45) t-1,3-Dichloropropene     | 8.716  | 75    | 778174   | 11.424   | ppbv   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041223\  
 Data File : VL040337.D  
 Acq On : 12 Apr 2023 12:39  
 Operator : SY/MD  
 Sample : VL0412ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0412ABS01

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/13/2023  
 Supervised By : Mahesh Dadoda 04/13/2023

Quant Time: Apr 13 05:36:47 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL031523AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 2

QLast Update : Tue Apr 11 04:15:53 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 46) cis-1,3-Dichloropropene   | 8.147  | 75   | 1080529  | 11.171 | ppbv  | 99       |
| 47) 1,1,2-Trichloroethane     | 8.905  | 97   | 850142   | 9.659  | ppbv  | 97       |
| 48) Dibromochloromethane      | 9.719  | 129  | 1423540  | 9.828  | ppbv  | 99       |
| 49) Bromoform                 | 12.420 | 173  | 1066663  | 9.805  | ppbv  | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.185  | 43   | 2074146  | 9.843  | ppbv  | 99       |
| 51) 2-Hexanone                | 9.555  | 43   | 1537541  | 9.419  | ppbv  | 99       |
| 52) Tetrachloroethene         | 10.626 | 164  | 671076   | 10.549 | ppbv  | 98       |
| 53) Toluene                   | 9.227  | 91   | 2311804  | 10.492 | ppbv  | 98       |
| 54) 1,2-Dibromoethane         | 10.018 | 107  | 918917   | 10.142 | ppbv  | 100      |
| 56) 1,1,1,2-Tetrachloroethane | 11.519 | 131  | 1019940  | 9.063  | ppbv  | 98       |
| 57) Chlorobenzene             | 11.536 | 112  | 1711697  | 8.995  | ppbv  | 100      |
| 58) Ethyl Benzene             | 12.098 | 91   | 3074025  | 10.091 | ppbv  | 97       |
| 59) m/p-Xylene                | 12.381 | 91   | 5317626m | 19.056 | ppbv  |          |
| 60) o-Xylene                  | 13.069 | 91   | 2529955  | 9.484  | ppbv  | 100      |
| 61) Styrene                   | 12.908 | 104  | 1440482  | 10.641 | ppbv  | 99       |
| 62) Isopropylbenzene          | 14.040 | 105  | 3573949  | 9.408  | ppbv  | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 13.060 | 83   | 797093   | 8.492  | ppbv  | 100      |
| 64) n-propylbenzene           | 14.928 | 120  | 899263   | 9.673  | ppbv  | 100      |
| 65) tert-Butylbenzene         | 16.101 | 119  | 3126828  | 9.551  | ppbv  | 99       |
| 66) Benzyl Chloride           | 16.339 | 91   | 209186   | 9.832  | ppbv  | 99       |
| 67) sec-Butylbenzene          | 16.648 | 105  | 4538895  | 9.695  | ppbv  | 99       |
| 69) p-Isopropyltoluene        | 17.008 | 119  | 3731704  | 10.235 | ppbv  | 100      |
| 70) n-Butylbenzene            | 17.899 | 91   | 4193476  | 10.440 | ppbv  | 100      |
| 71) 2-Chlorotoluene           | 14.809 | 91   | 2754122  | 9.525  | ppbv  | 100      |
| 72) 4-Ethyltoluene            | 15.204 | 105  | 2925196  | 10.029 | ppbv  | 98       |
| 73) 1,3,5-Trimethylbenzene    | 15.362 | 105  | 2643855  | 10.008 | ppbv  | 98       |
| 74) 1,2,4-Trimethylbenzene    | 16.121 | 105  | 2914426  | 9.673  | ppbv  | 97       |
| 75) 1,3-Dichlorobenzene       | 16.342 | 146  | 1610485  | 9.869  | ppbv  | 99       |
| 76) 1,4-Dichlorobenzene       | 16.487 | 146  | 1576428  | 10.129 | ppbv  | 100      |
| 77) 1,2-Dichlorobenzene       | 17.156 | 146  | 1598246  | 10.190 | ppbv  | 100      |
| 78) Hexachloro-1,3-Butadiene  | 22.651 | 225  | 1112710  | 9.673  | ppbv  | 100      |
| 79) Naphthalene               | 21.400 | 128  | 2324205  | 13.040 | ppbv  | 99       |
| 80) Naphthalene,2-methyl-     | 24.384 | 142  | 390455   | 8.650  | ppbv  | 97       |
| 81) 1,2,4-Trichlorobenzene    | 21.156 | 180  | 1227810  | 11.184 | ppbv  | 98       |

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

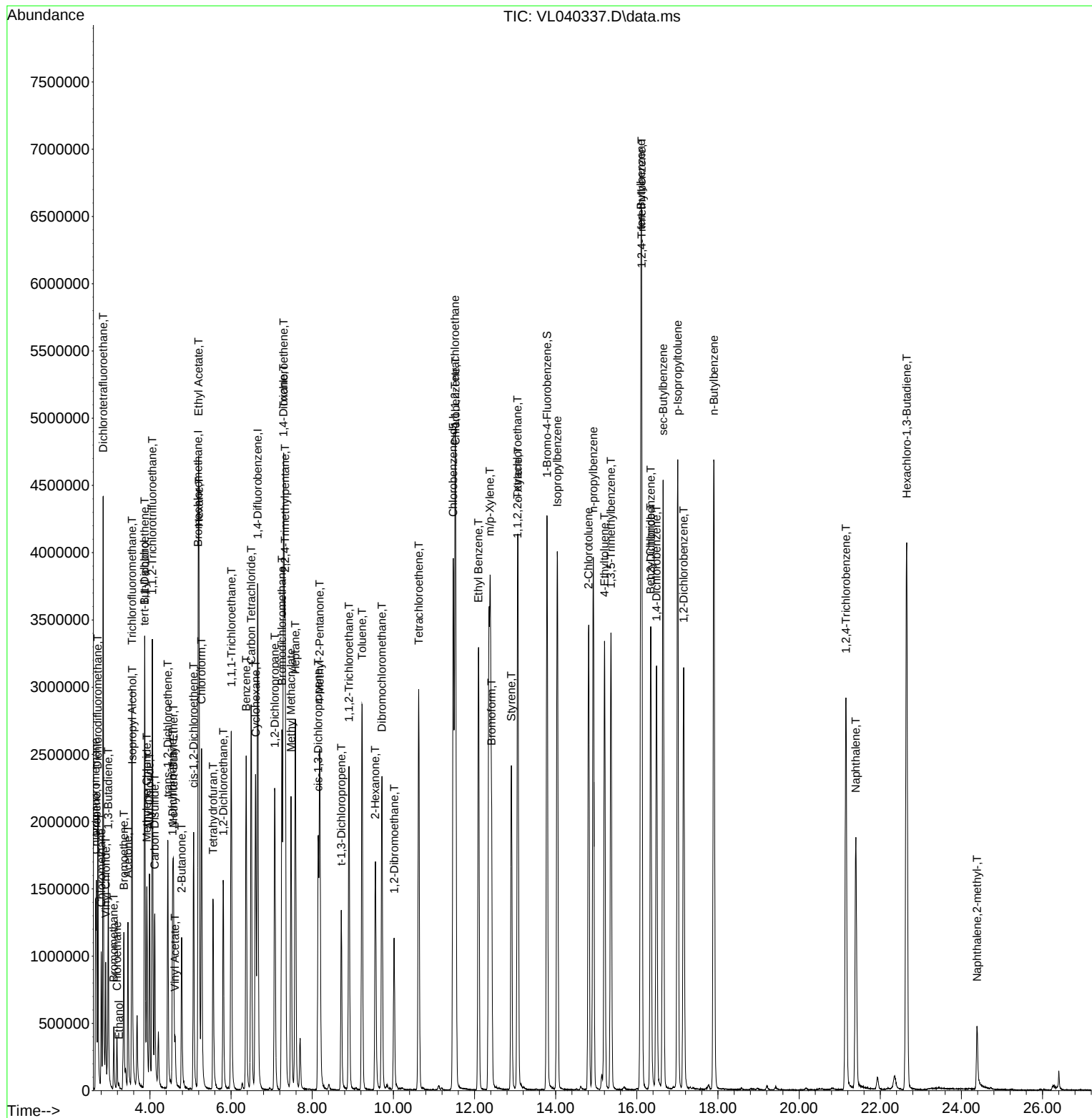
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041223\  
 Data File : VL040337.D  
 Acq On : 12 Apr 2023 12:39  
 Operator : SY/MD  
 Sample : VL0412ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

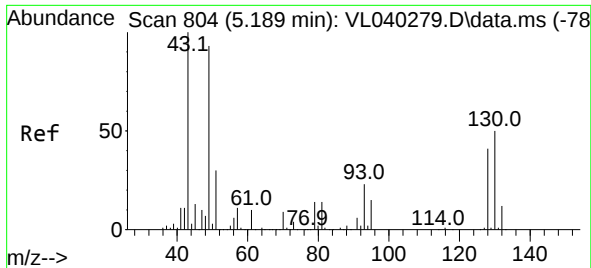
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0412ABS01

Quant Time: Apr 13 05:36:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL031523AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
 QLast Update : Tue Apr 11 04:15:53 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

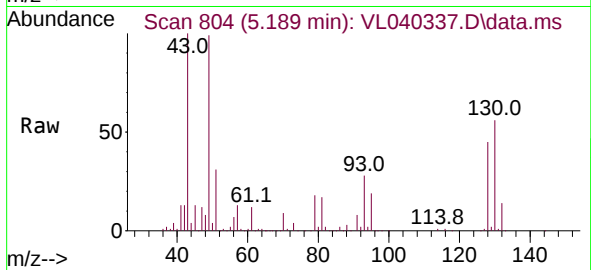
Reviewed By : Semsettin Yesilyurt 04/13/2023  
 Supervised By : Mahesh Dadoda 04/13/2023





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.189 min Scan# 804  
Delta R.T. -0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

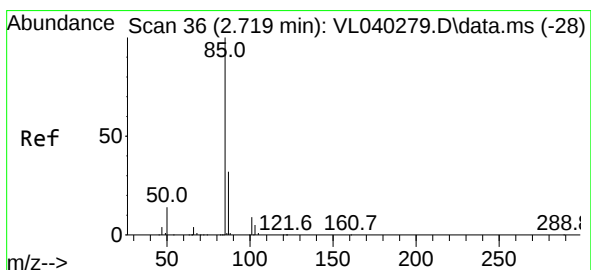
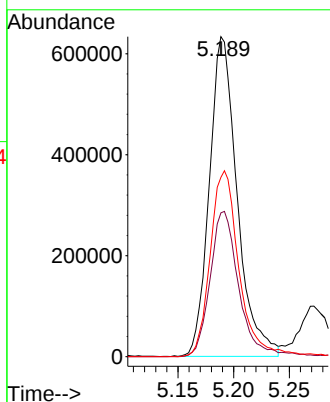
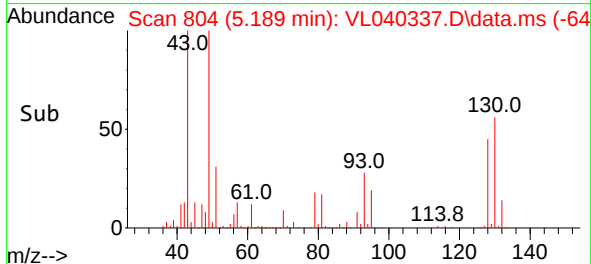
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0412ABS01



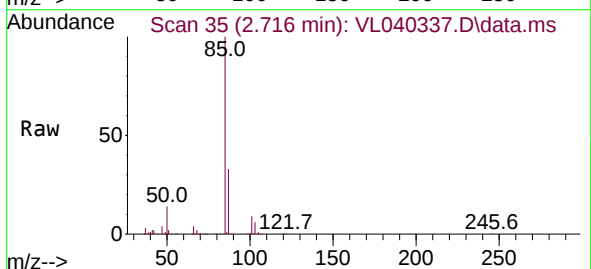
Tgt Ion: 49 Resp: 1101056  
Ion Ratio Lower Upper  
49 100  
128 47.7 22.4 67.3  
130 61.3 28.7 86.1

Manual Integrations  
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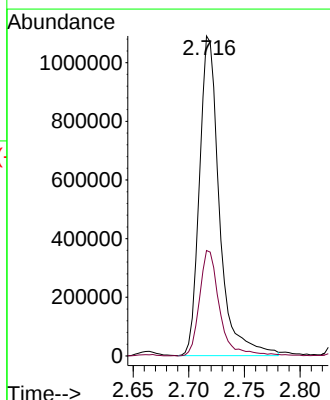
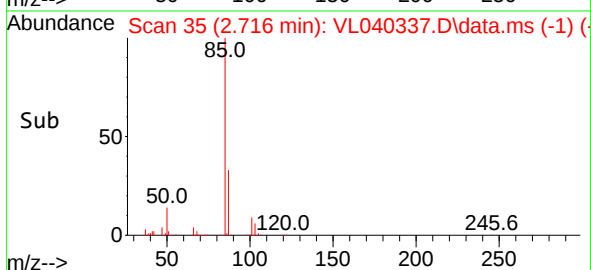
Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023



#2  
Dichlorodifluoromethane  
Concen: 6.318 ppbv  
RT: 2.716 min Scan# 35  
Delta R.T. -0.003 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39



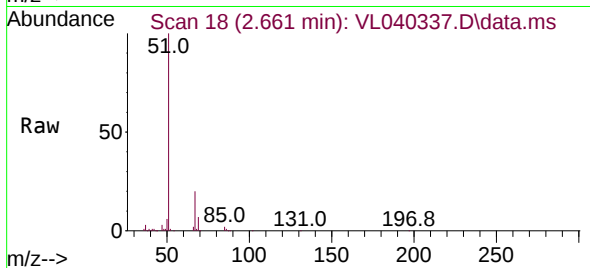
Tgt Ion: 85 Resp: 1364869  
Ion Ratio Lower Upper  
85 100  
87 32.9 25.5 38.3





#3  
Chlorodifluoromethane  
Concen: 9.033 ppbv  
RT: 2.661 min Scan# 11  
Delta R.T. -0.004 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

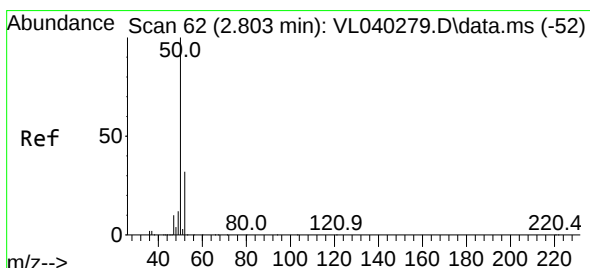
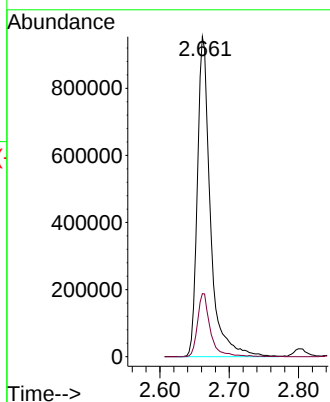
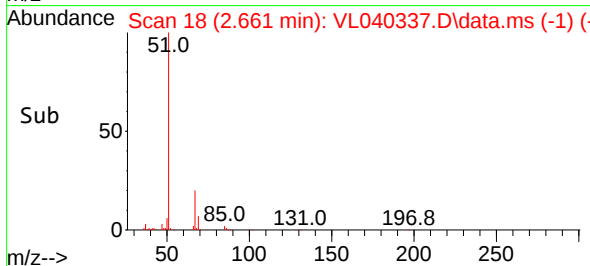
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0412ABS01



Tgt Ion: 51 Resp: 125064  
Ion Ratio Lower Upper  
51 100  
67 19.5 16.0 24.0

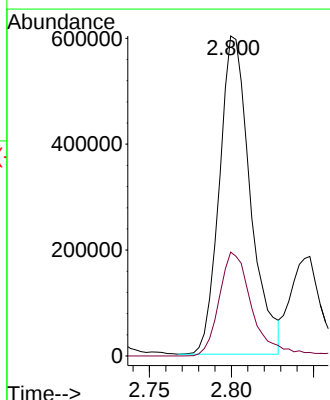
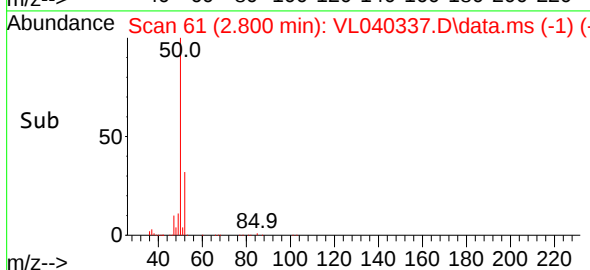
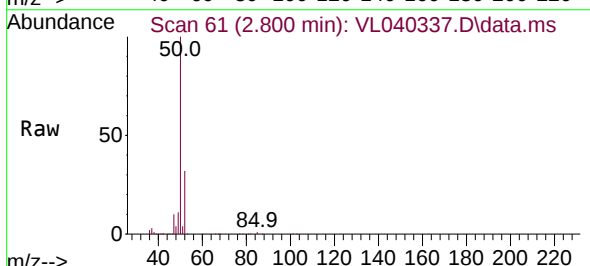
Manual Integrations  
APPROVED

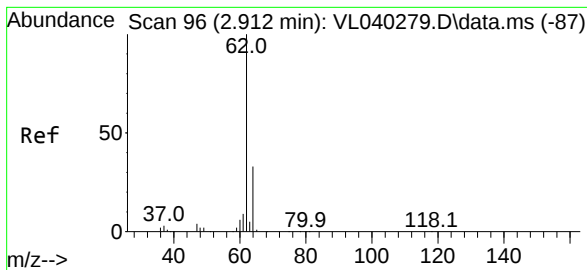
Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023



#4  
Chloromethane  
Concen: 9.230 ppbv  
RT: 2.800 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

Tgt Ion: 50 Resp: 789085  
Ion Ratio Lower Upper  
50 100  
52 32.6 25.9 38.9





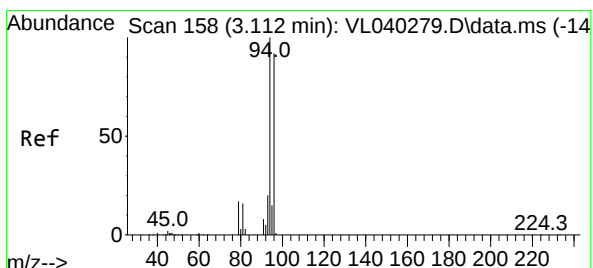
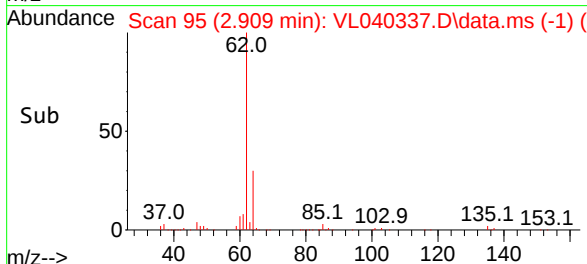
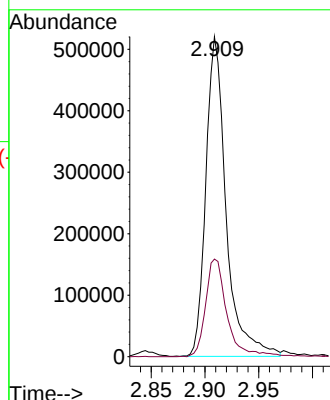
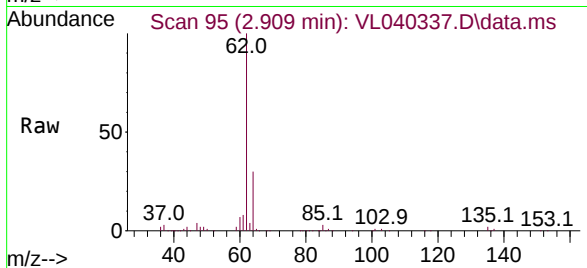
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 Vinyl Chloride  
 Concen: 9.864 ppbv  
 RT: 2.909 min Scan# 91  
 Delta R.T. -0.003 min  
 Lab File: VL040337.D  
 Acq: 12 Apr 2023 12:39

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0412ABS01

Tgt Ion: 62 Resp: 682810  
 Ion Ratio Lower Upper  
 62 100  
 64 30.5 26.4 39.6

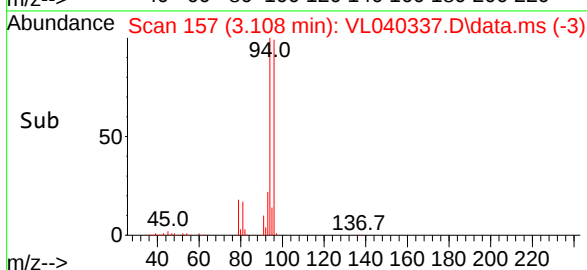
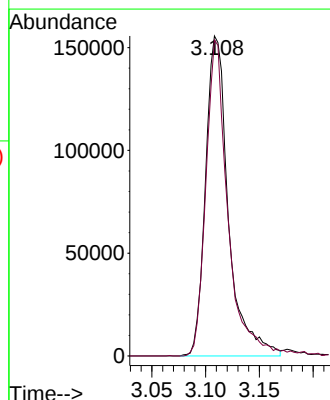
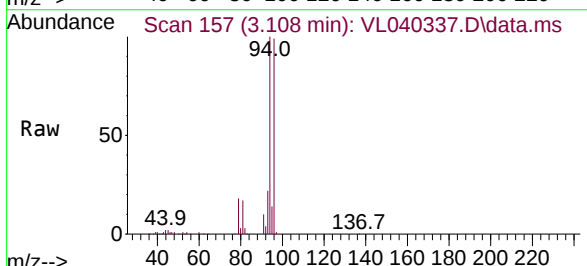
Manual Integrations  
 APPROVED

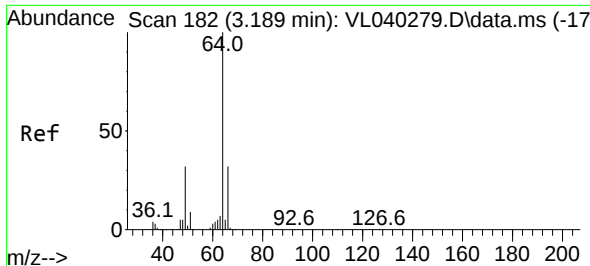
Reviewed By :Semsettin Yesilyurt 04/13/2023  
 Supervised By :Mahesh Dadoda 04/13/2023



#6  
 Bromomethane  
 Concen: 9.624 ppbv  
 RT: 3.108 min Scan# 157  
 Delta R.T. -0.004 min  
 Lab File: VL040337.D  
 Acq: 12 Apr 2023 12:39

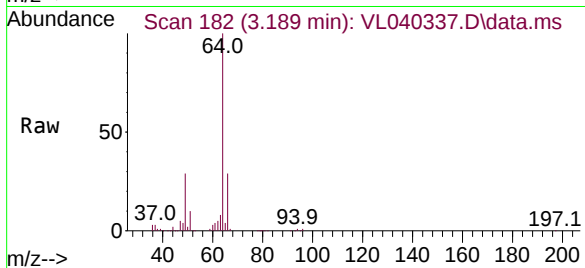
Tgt Ion: 94 Resp: 231030  
 Ion Ratio Lower Upper  
 94 100  
 96 98.8 73.7 110.5





#7  
Chloroethane  
Concen: 9.652 ppbv  
RT: 3.189 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

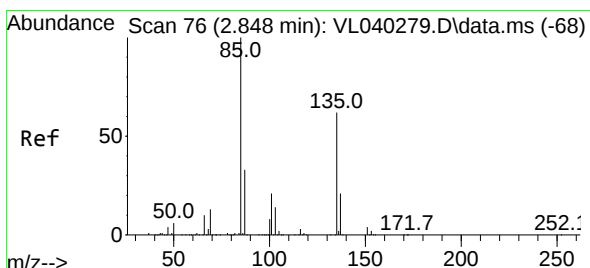
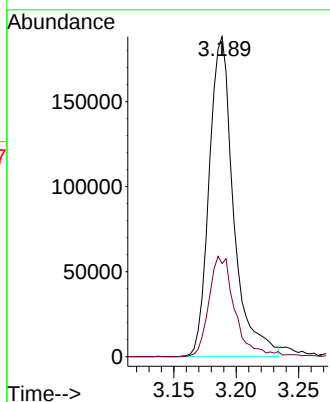
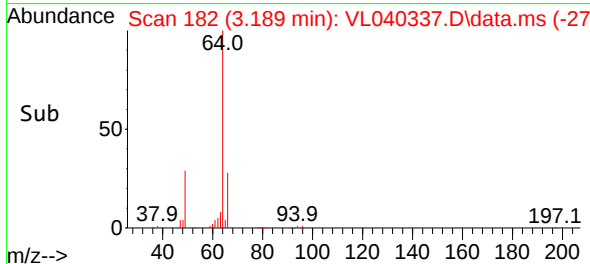
Instrument : MSVOA\_L  
ClientSampleId : VL0412ABS01



Tgt Ion: 64 Resp: 256528  
Ion Ratio Lower Upper  
64 100  
66 29.1 25.5 38.3

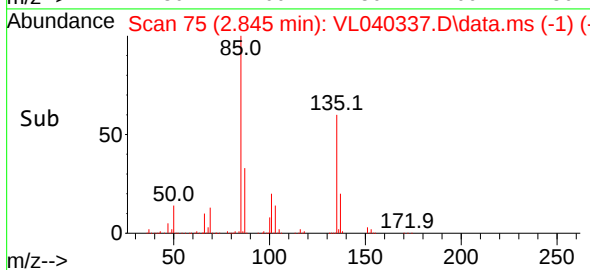
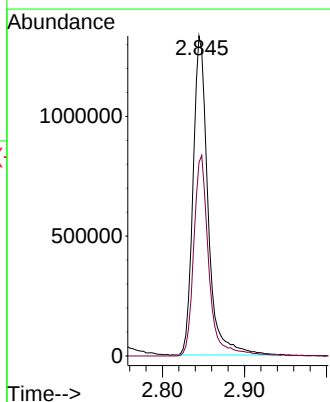
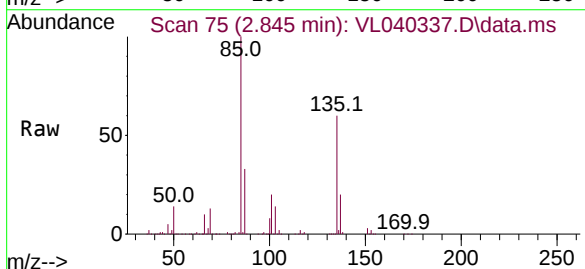
Manual Integrations  
APPROVED

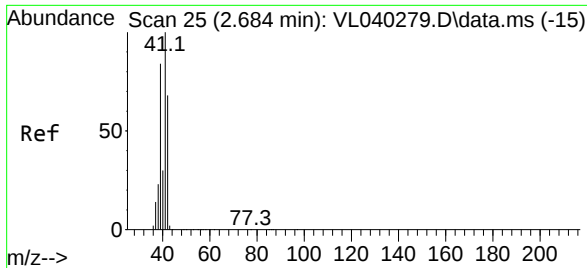
Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023



#8  
Dichlorotetrafluoroethane  
Concen: 9.115 ppbv  
RT: 2.845 min Scan# 75  
Delta R.T. -0.003 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

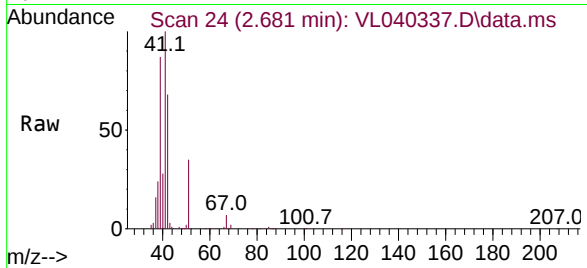
Tgt Ion: 85 Resp: 1685625  
Ion Ratio Lower Upper  
85 100  
135 63.8 52.0 78.0





#9  
 Propene  
 Concen: 9.911 ppbv  
 RT: 2.681 min Scan# 24  
 Delta R.T. -0.003 min  
 Lab File: VL040337.D  
 Acq: 12 Apr 2023 12:39

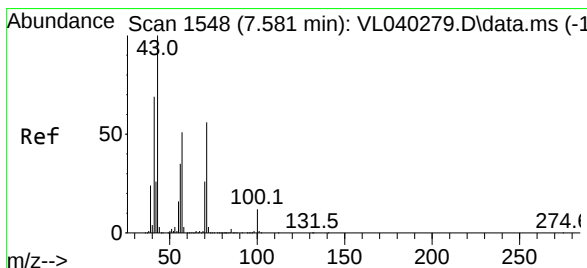
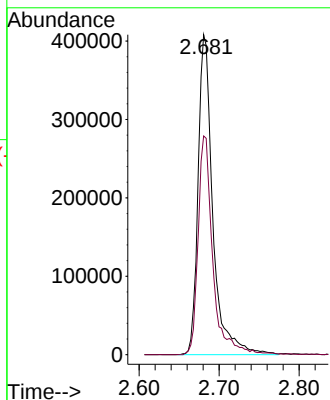
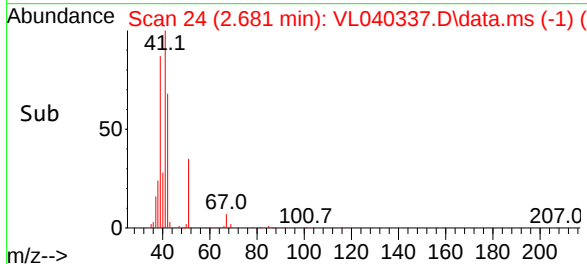
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0412ABS01



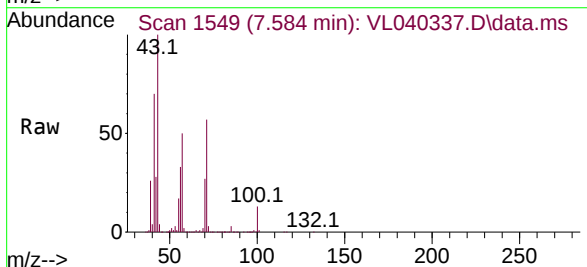
Tgt Ion: 41 Resp: 525690  
 Ion Ratio Lower Upper  
 41 100  
 42 68.7 59.0 88.4

Manual Integrations  
 APPROVED

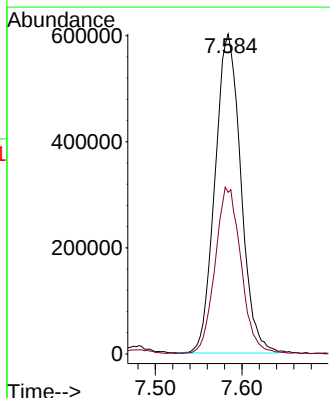
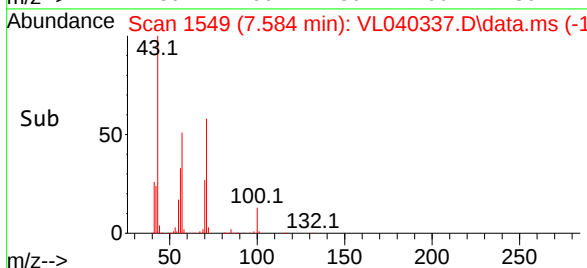
Reviewed By :Semsettin Yesilyurt 04/13/2023  
 Supervised By :Mahesh Dadoda 04/13/2023



#10  
 Heptane  
 Concen: 9.770 ppbv  
 RT: 7.584 min Scan# 1549  
 Delta R.T. 0.003 min  
 Lab File: VL040337.D  
 Acq: 12 Apr 2023 12:39



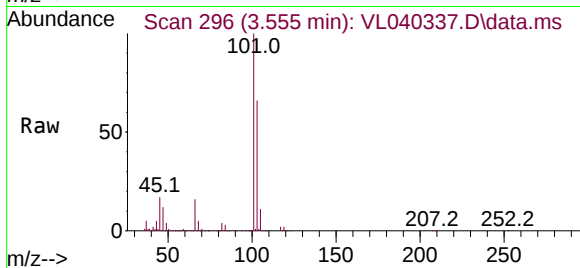
Tgt Ion: 43 Resp: 1246467  
 Ion Ratio Lower Upper  
 43 100  
 57 52.9 41.7 62.5





#11  
 Trichlorofluoromethane  
 Concen: 8.920 ppbv  
 RT: 3.555 min Scan# 296  
 Delta R.T. 0.000 min  
 Lab File: VL040337.D  
 Acq: 12 Apr 2023 12:39

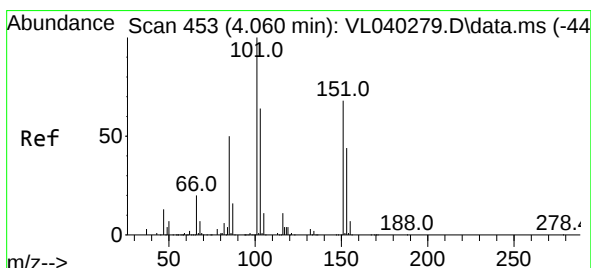
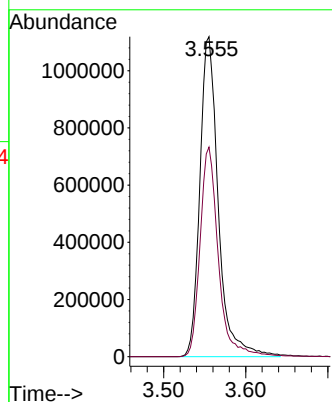
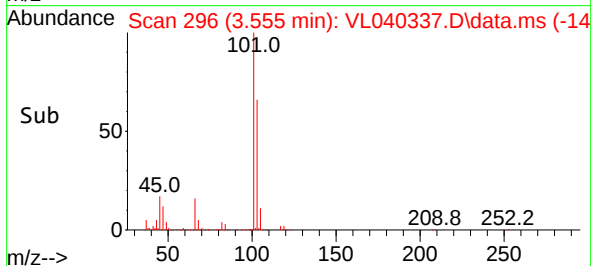
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0412ABS01



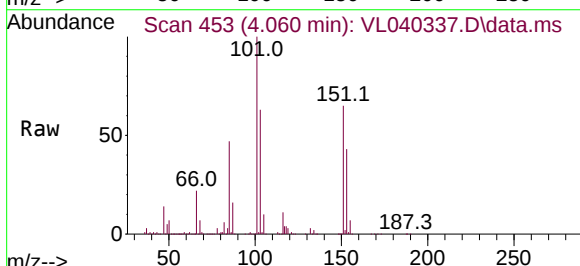
Tgt Ion:101 Resp: 1745972  
 Ion Ratio Lower Upper  
 101 100  
 103 65.5 53.1 79.7

Manual Integrations  
 APPROVED

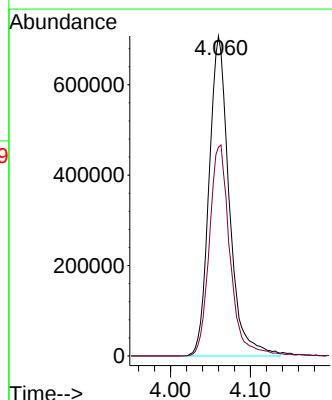
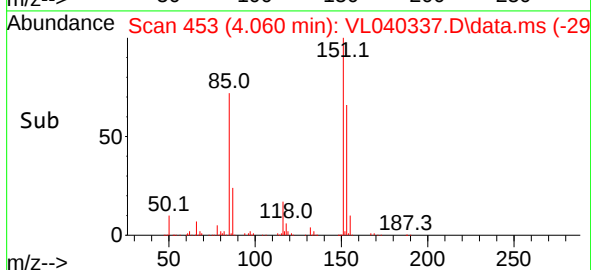
Reviewed By :Semsettin Yesilyurt 04/13/2023  
 Supervised By :Mahesh Dadoda 04/13/2023

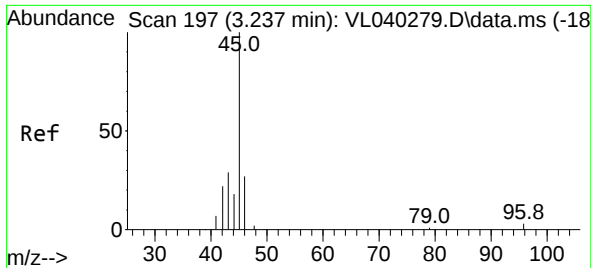


#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 8.445 ppbv  
 RT: 4.060 min Scan# 453  
 Delta R.T. -0.000 min  
 Lab File: VL040337.D  
 Acq: 12 Apr 2023 12:39



Tgt Ion:101 Resp: 1241391  
 Ion Ratio Lower Upper  
 101 100  
 151 68.0 53.2 79.8





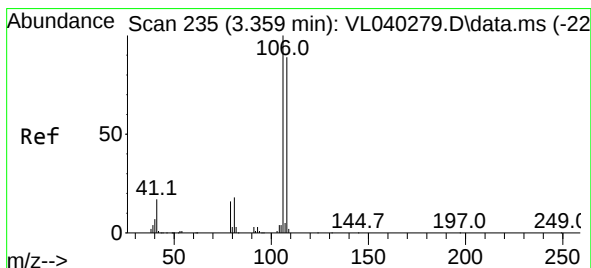
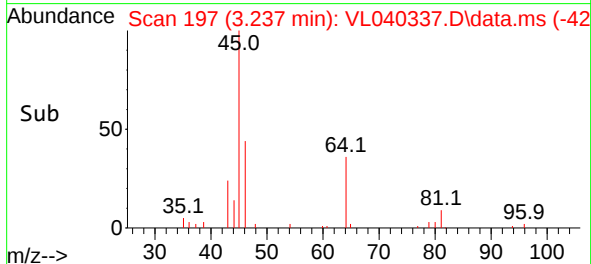
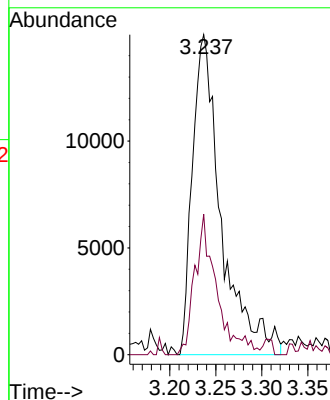
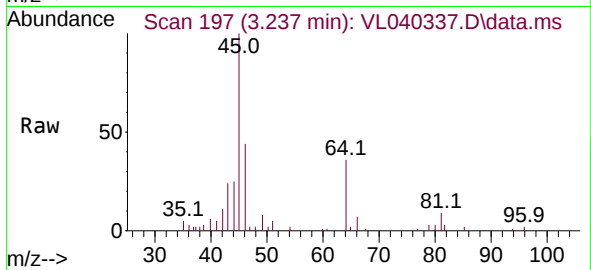
#13  
Ethanol  
Concen: 8.395 ppbv m  
RT: 3.237 min Scan# 197  
Delta R.T. -0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0412ABS01

Tgt Ion: 45 Resp: 3265  
Ion Ratio Lower Upper  
45 100  
46 34.9 15.0 60.2

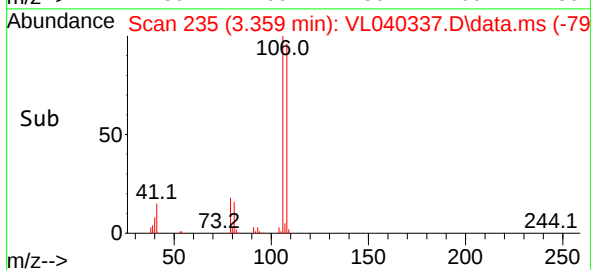
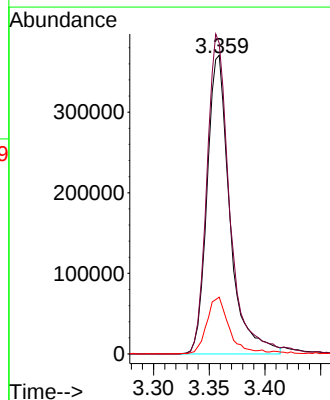
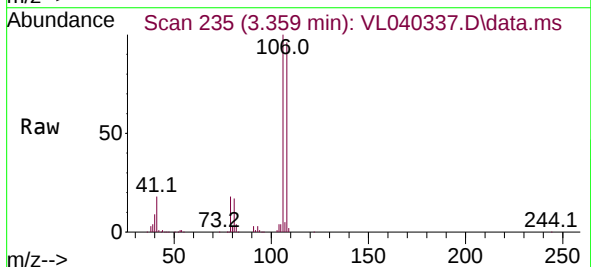
Manual Integrations  
APPROVED

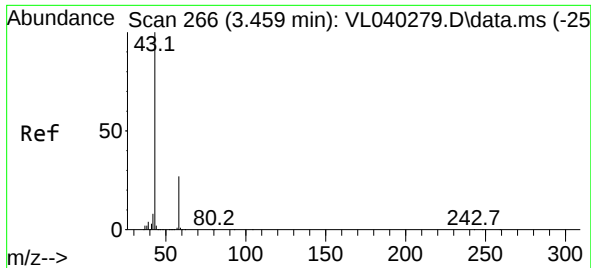
Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023



#14  
Bromoethene  
Concen: 9.638 ppbv  
RT: 3.359 min Scan# 235  
Delta R.T. -0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

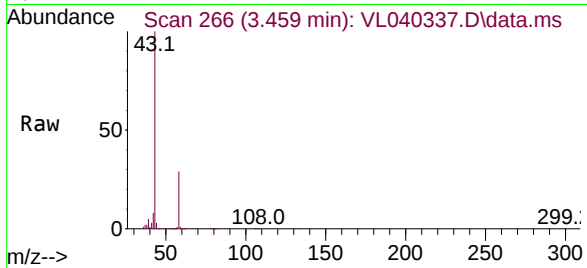
Tgt Ion:108 Resp: 528485  
Ion Ratio Lower Upper  
108 100  
106 109.5 85.8 128.8  
79 19.6 15.8 23.6





#15  
Acetone  
Concen: 8.765 ppbv  
RT: 3.459 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

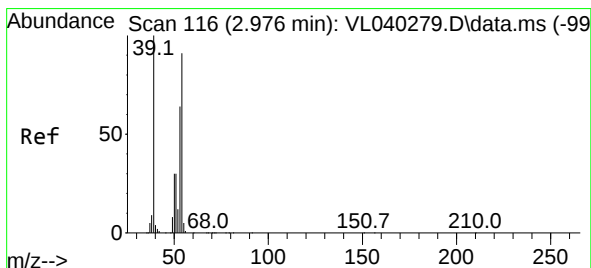
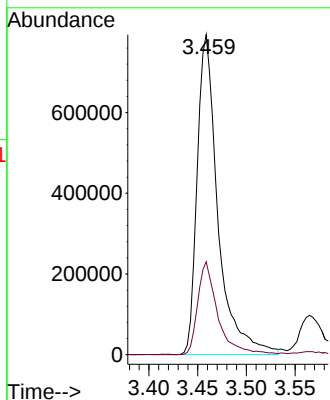
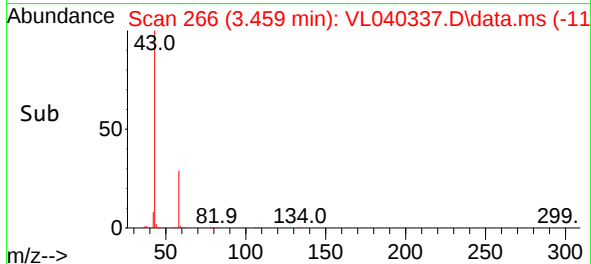
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0412ABS01



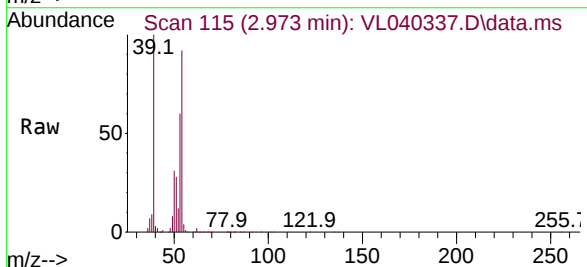
Tgt Ion: 43 Resp: 1174849  
Ion Ratio Lower Upper  
43 100  
58 28.2 21.8 32.8

Manual Integrations  
APPROVED

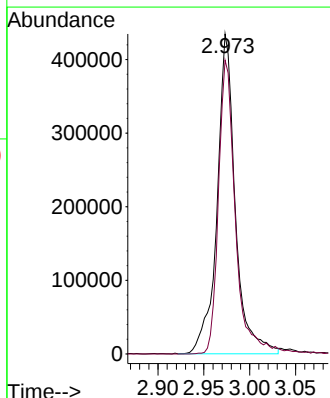
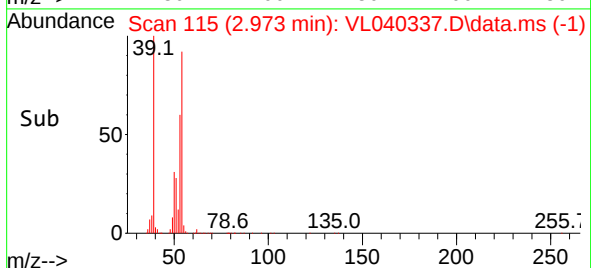
Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023

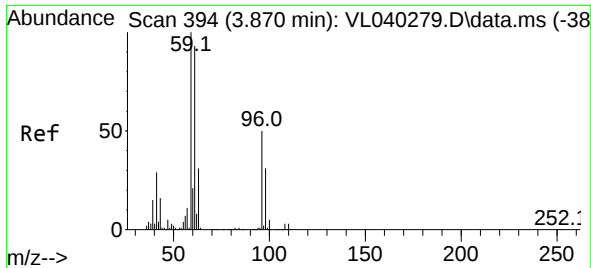


#16  
1,3-Butadiene  
Concen: 9.896 ppbv  
RT: 2.973 min Scan# 115  
Delta R.T. -0.003 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39



Tgt Ion: 39 Resp: 602937  
Ion Ratio Lower Upper  
39 100  
54 86.1 68.4 102.6





#17

tert-Butyl alcohol

Concen: 10.295 ppbv

RT: 3.867 min Scan# 394

Delta R.T. -0.003 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Instrument :

MSVOA\_L

ClientSampleId :

VL0412ABS01

Tgt Ion: 59 Resp: 1311608

Ion Ratio Lower Upper

59 100

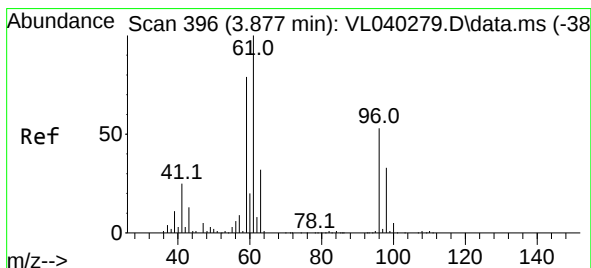
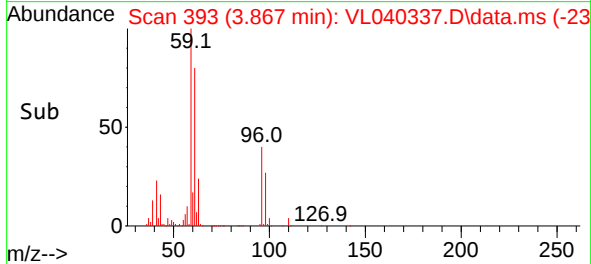
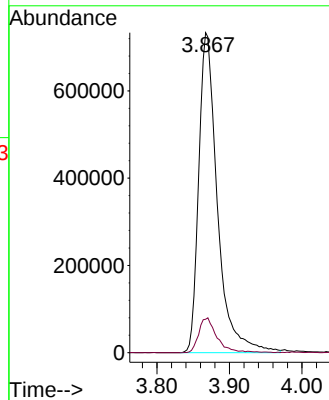
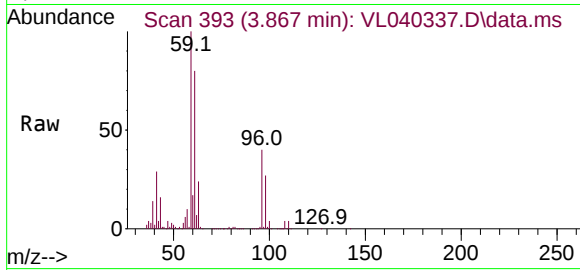
57 10.8 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#18

1,1-Dichloroethene

Concen: 9.044 ppbv

RT: 3.873 min Scan# 395

Delta R.T. -0.004 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

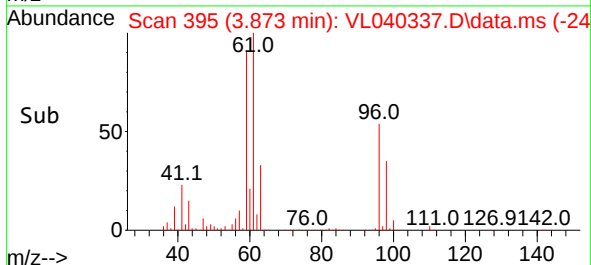
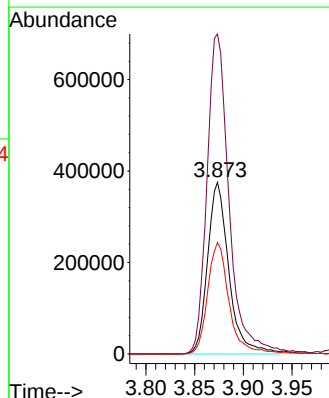
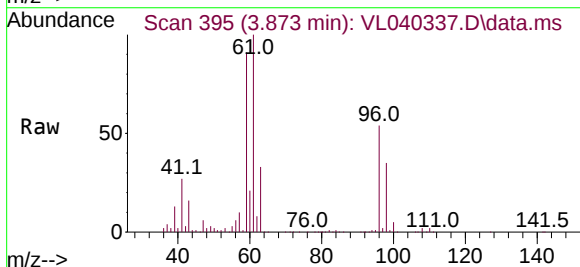
Tgt Ion: 96 Resp: 570302

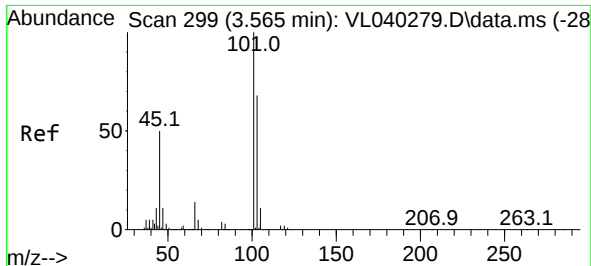
Ion Ratio Lower Upper

96 100

61 186.4 150.6 226.0

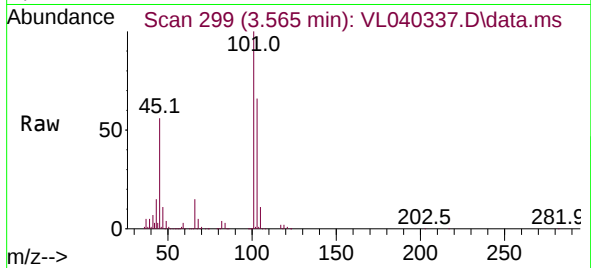
98 65.0 50.3 75.5





#19  
Isopropyl Alcohol  
Concen: 9.524 ppbv  
RT: 3.565 min Scan# 299  
Delta R.T. -0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

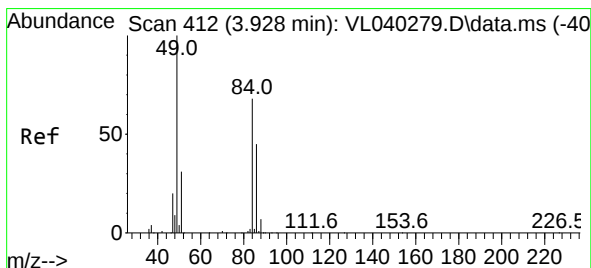
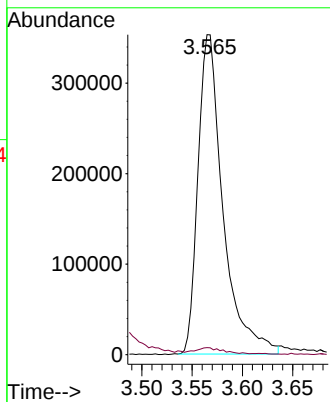
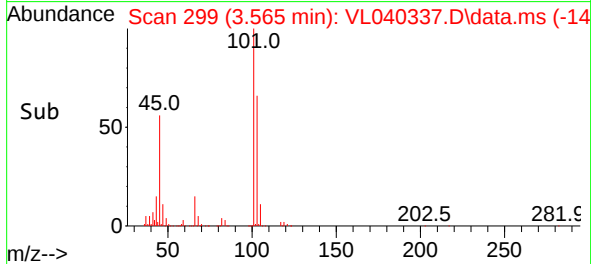
Instrument : MSVOA\_L  
ClientSampleId : VL0412ABS01



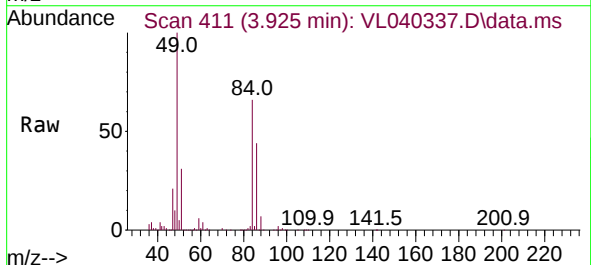
Tgt Ion: 45 Resp: 611540  
Ion Ratio Lower Upper  
45 100  
58 2.9 2.7 4.1

Manual Integrations  
APPROVED

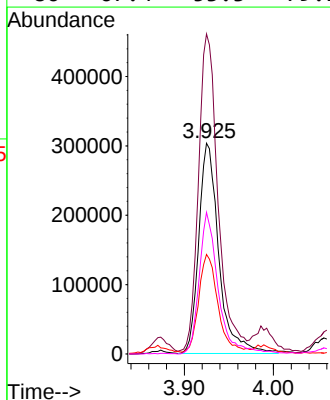
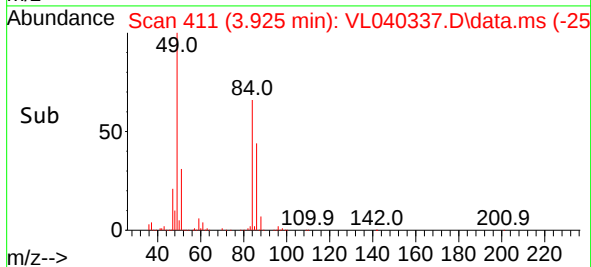
Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023

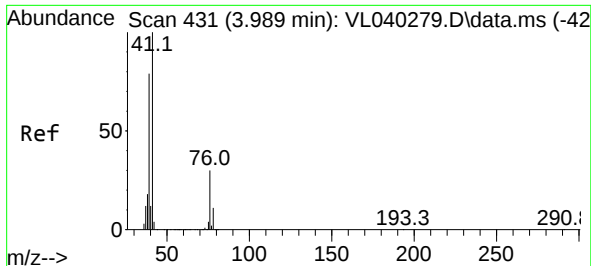


#20  
Methylene Chloride  
Concen: 8.433 ppbv  
RT: 3.925 min Scan# 411  
Delta R.T. -0.003 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39



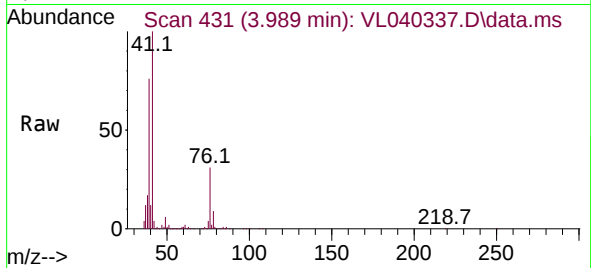
Tgt Ion: 84 Resp: 475582  
Ion Ratio Lower Upper  
84 100  
49 151.0 117.5 176.3  
51 46.2 36.9 55.3  
86 67.4 53.3 79.9





#21  
 Allyl Chloride  
 Concen: 9.384 ppbv  
 RT: 3.989 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: VL040337.D  
 Acq: 12 Apr 2023 12:39

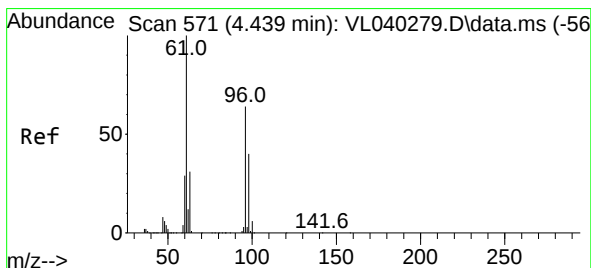
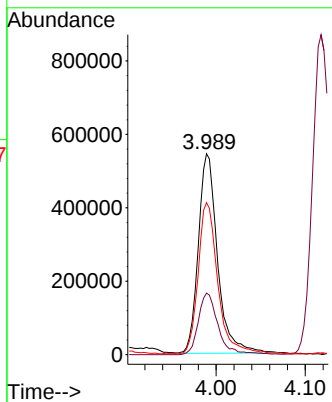
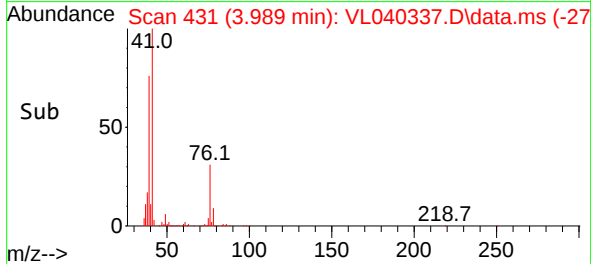
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0412ABS01



Tgt Ion: 41 Resp: 814815  
 Ion Ratio Lower Upper  
 41 100  
 76 32.0 25.4 38.0  
 39 78.3 65.4 98.2

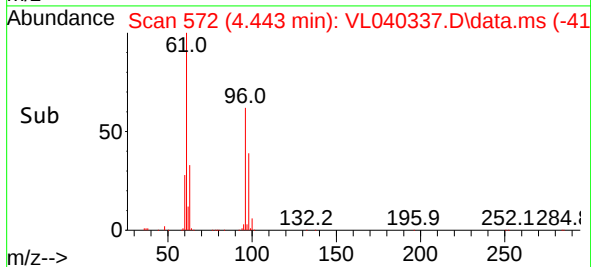
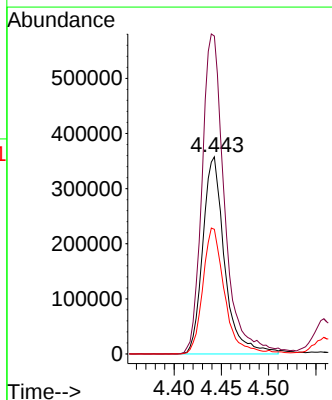
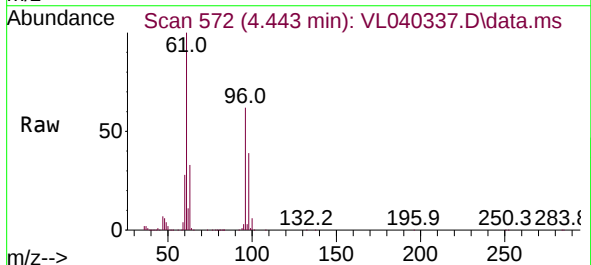
Manual Integrations  
 APPROVED

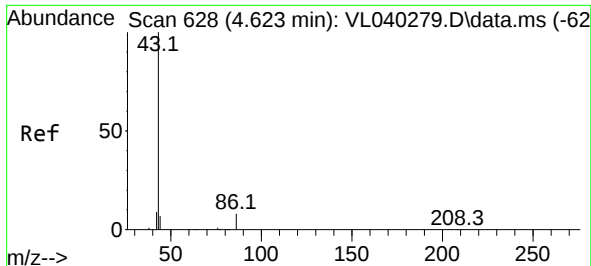
Reviewed By :Semsettin Yesilyurt 04/13/2023  
 Supervised By :Mahesh Dadoda 04/13/2023



#22  
 trans-1,2-Dichloroethene  
 Concen: 8.954 ppbv  
 RT: 4.443 min Scan# 572  
 Delta R.T. 0.004 min  
 Lab File: VL040337.D  
 Acq: 12 Apr 2023 12:39

Tgt Ion: 96 Resp: 574669  
 Ion Ratio Lower Upper  
 96 100  
 61 161.2 125.4 188.2  
 98 63.3 49.8 74.6





#23  
 Vinyl Acetate  
 Concen: 9.908 ppbv  
 RT: 4.619 min Scan# 619  
 Delta R.T. -0.004 min  
 Lab File: VL040337.D  
 Acq: 12 Apr 2023 12:39

Instrument :

MSVOA\_L

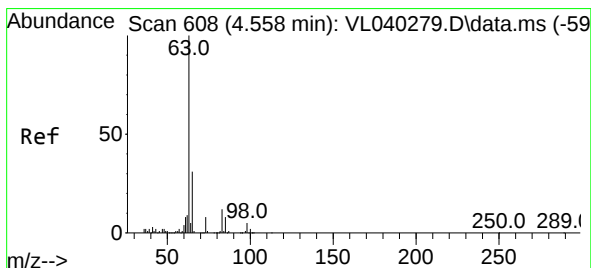
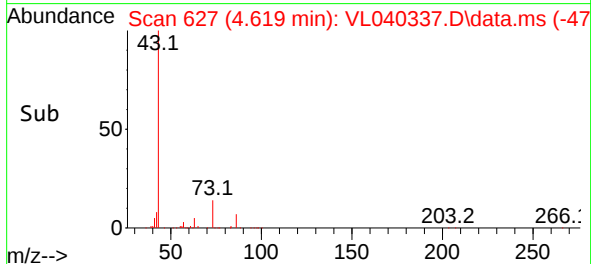
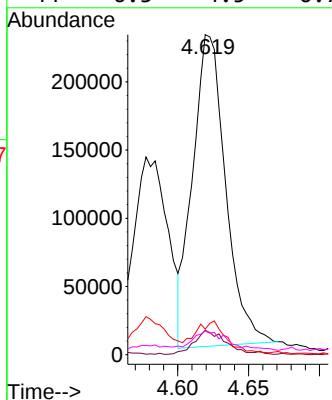
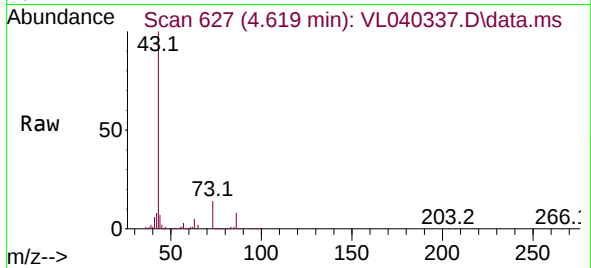
ClientSampleId :

VL0412ABS01

Tgt Ion: 43 Resp: 369498  
 Ion Ratio Lower Upper  
 43 100  
 86 7.8 5.0 7.4  
 42 7.3 9.1 13.7  
 44 6.3 4.5 6.7

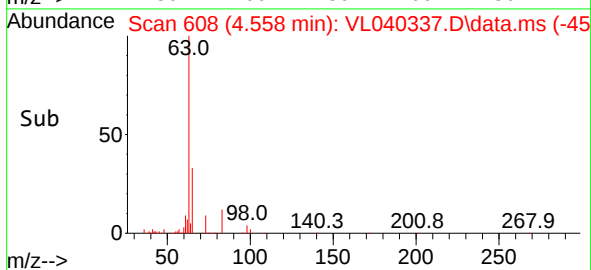
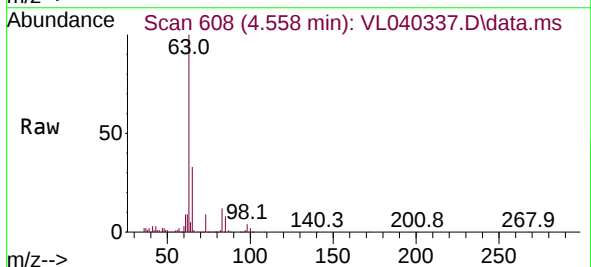
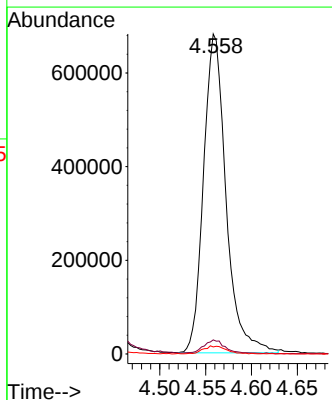
Manual Integrations  
 APPROVED

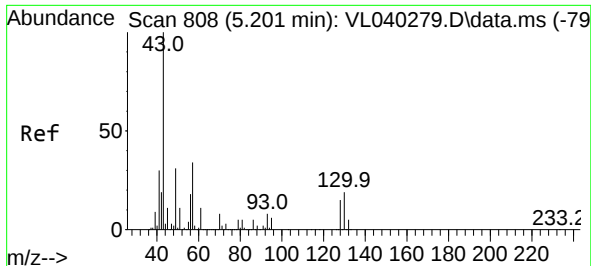
Reviewed By :Semsettin Yesilyurt 04/13/2023  
 Supervised By :Mahesh Dadoda 04/13/2023



#24  
 1,1-Dichloroethane  
 Concen: 8.759 ppbv  
 RT: 4.558 min Scan# 608  
 Delta R.T. 0.000 min  
 Lab File: VL040337.D  
 Acq: 12 Apr 2023 12:39

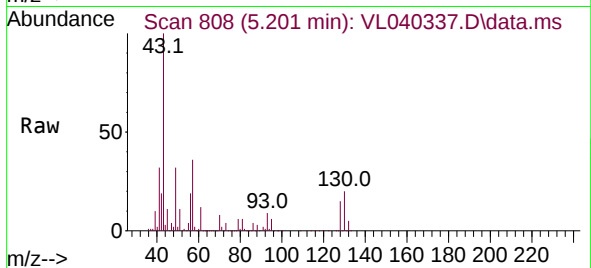
Tgt Ion: 63 Resp: 1165086  
 Ion Ratio Lower Upper  
 63 100  
 98 4.3 2.4 7.2  
 100 2.2 1.2 3.6





#25  
Ethyl Acetate  
Concen: 9.425 ppbv  
RT: 5.201 min Scan# 808  
Delta R.T. 0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0412ABS01

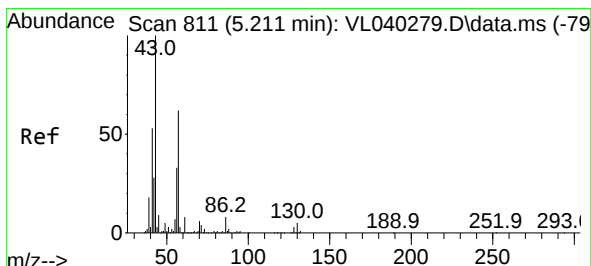
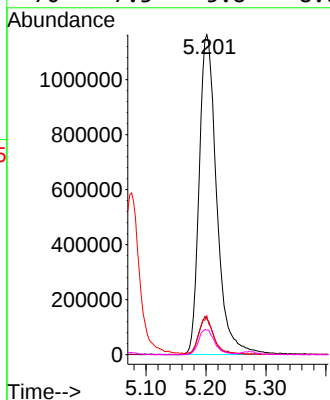
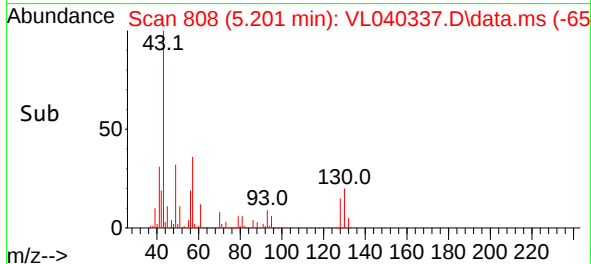


Tgt Ion: 43 Resp: 236524

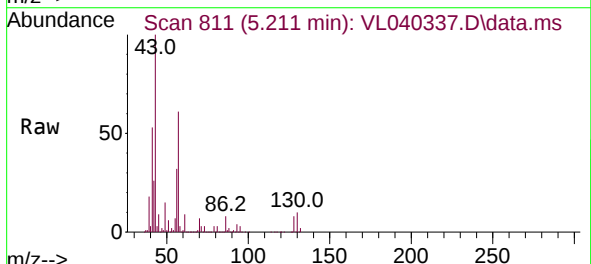
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 10.3  | 8.6   | 12.8  |
| 61  | 10.2  | 8.4   | 12.6  |
| 70  | 7.3   | 5.8   | 8.6   |

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023

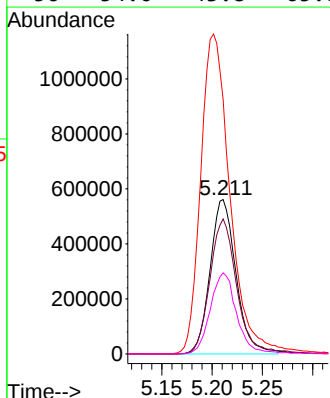
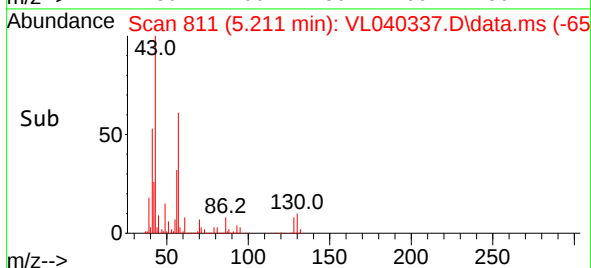


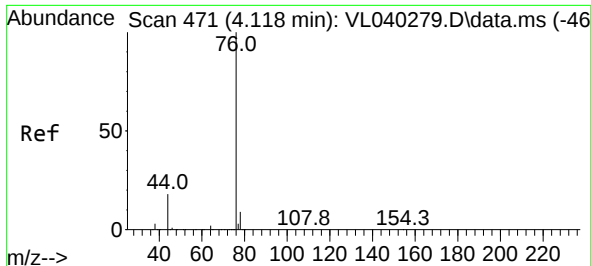
#26  
Hexane  
Concen: 9.759 ppbv  
RT: 5.211 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39



Tgt Ion: 57 Resp: 1005304

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 92.0  | 73.5  | 110.3 |
| 43  | 235.6 | 196.3 | 294.5 |
| 56  | 54.0  | 43.8  | 65.8  |





#27

Carbon Disulfide

Concen: 9.633 ppbv

RT: 4.118 min Scan# 471

Delta R.T. -0.000 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Instrument :

MSVOA\_L

ClientSampleId :

VL0412ABS01

Tgt Ion: 76 Resp: 1385949

Ion Ratio Lower Upper

76 100

44 18.8 15.2 22.8

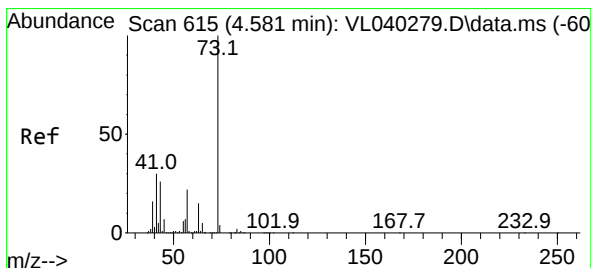
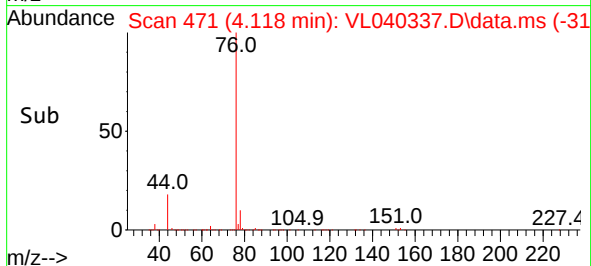
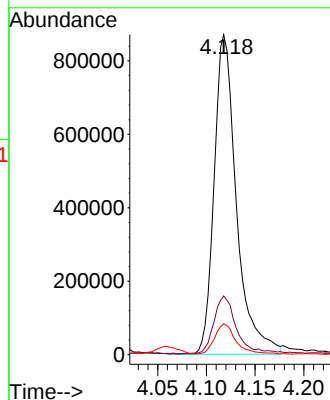
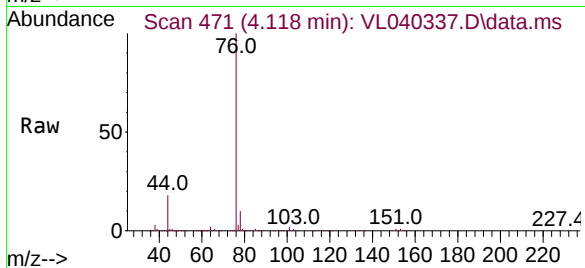
78 9.6 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#28

Methyl tert-Butyl Ether

Concen: 9.106 ppbv

RT: 4.581 min Scan# 615

Delta R.T. -0.000 min

Lab File: VL040337.D

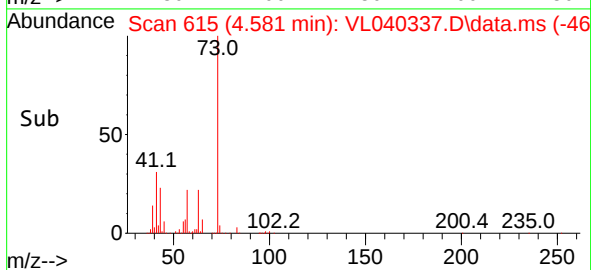
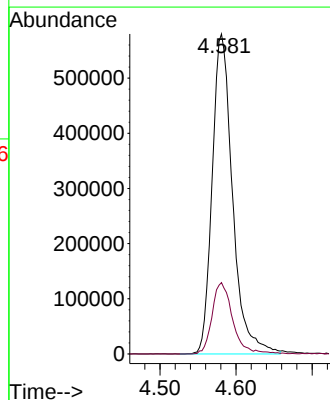
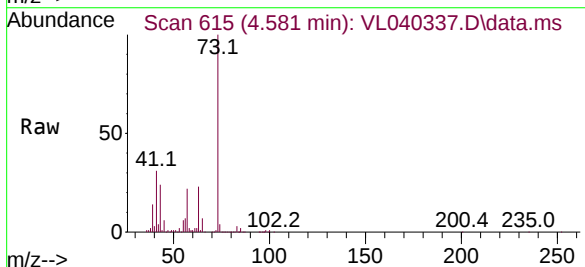
Acq: 12 Apr 2023 12:39

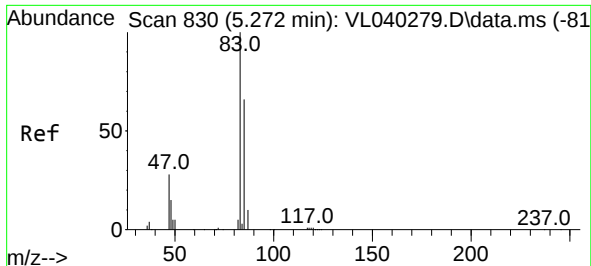
Tgt Ion: 73 Resp: 1077105

Ion Ratio Lower Upper

73 100

57 22.6 18.4 27.6





#29

Chloroform

Concen: 9.486 ppbv

RT: 5.272 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Instrument :

MSVOA\_L

ClientSampleId :

VL0412ABS01

Tgt Ion: 83 Resp: 172542

Ion Ratio Lower Upper

83 100

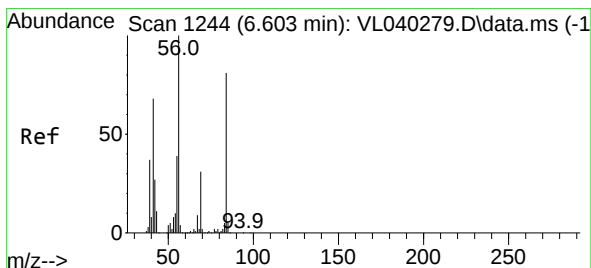
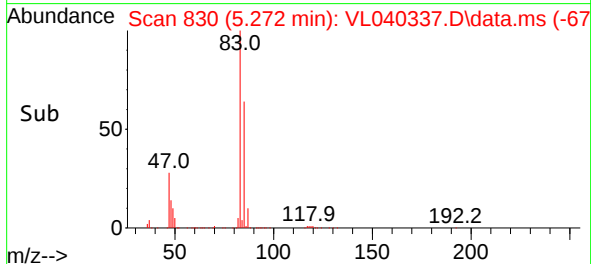
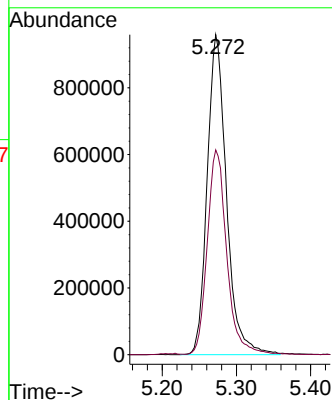
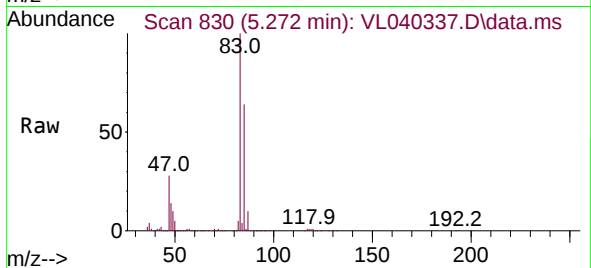
85 63.8 52.8 79.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#30

Cyclohexane

Concen: 10.364 ppbv

RT: 6.606 min Scan# 1245

Delta R.T. 0.003 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

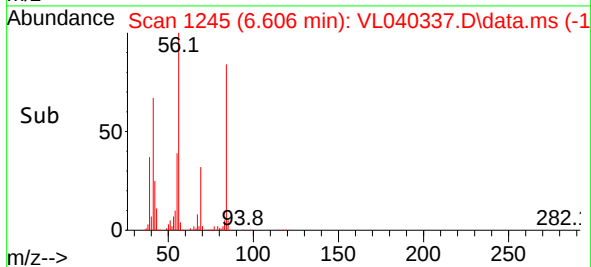
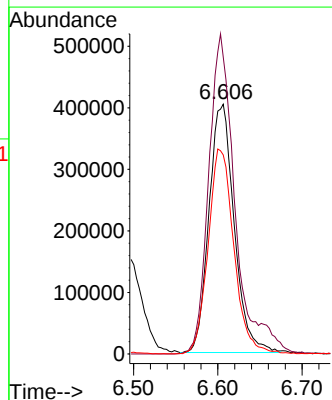
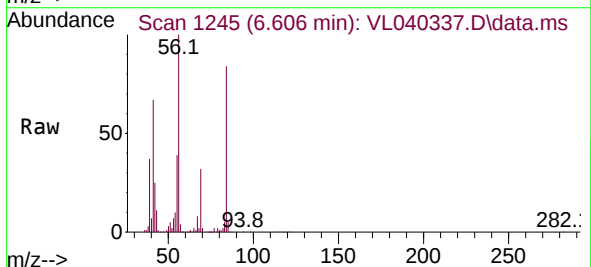
Tgt Ion: 84 Resp: 841322

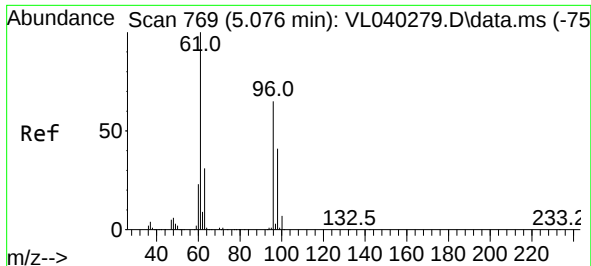
Ion Ratio Lower Upper

84 100

56 135.5 109.0 163.4

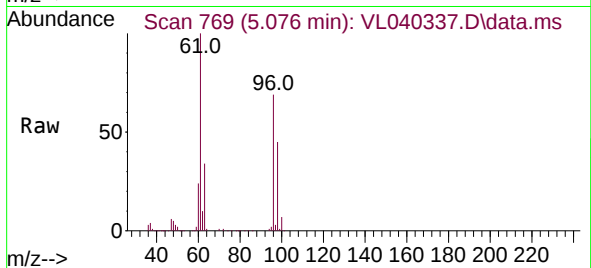
41 84.5 67.9 101.9





#31  
 cis-1,2-Dichloroethene  
 Concen: 10.285 ppbv  
 RT: 5.076 min Scan# 769  
 Delta R.T. -0.000 min  
 Lab File: VL040337.D  
 Acq: 12 Apr 2023 12:39

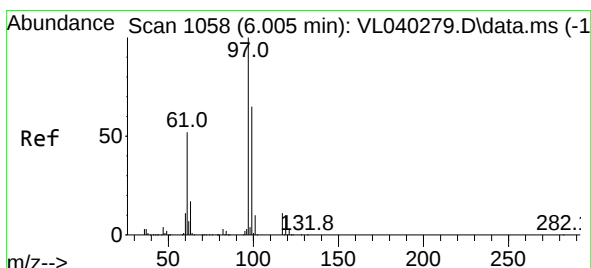
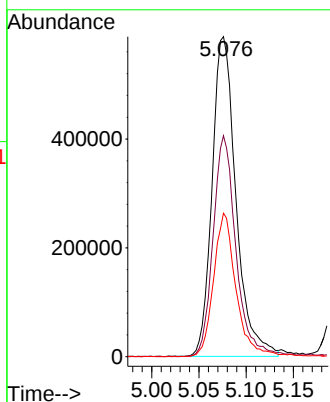
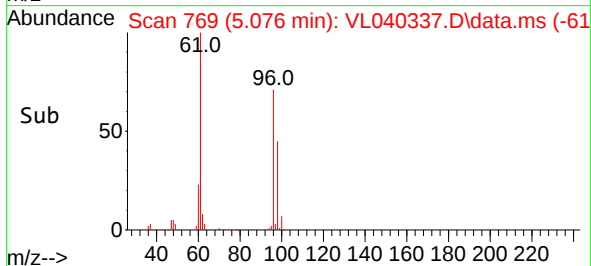
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0412ABS01



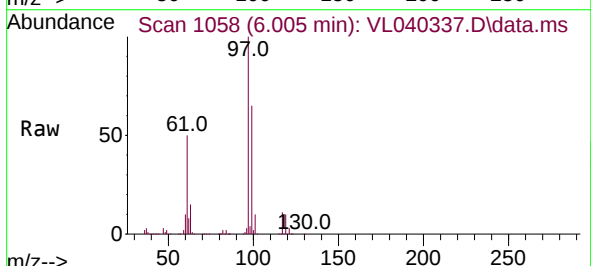
Tgt Ion: 61 Resp: 1031769  
 Ion Ratio Lower Upper  
 61 100  
 96 69.1 51.8 77.8  
 98 44.8 32.5 48.7

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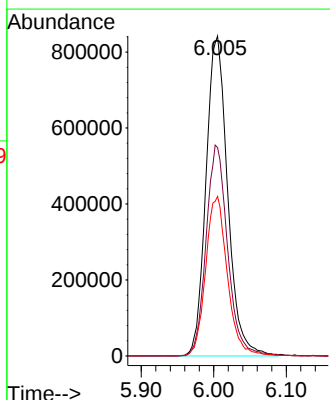
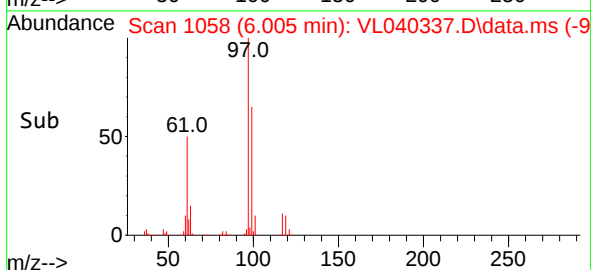
Reviewed By :Semsettin Yesilyurt 04/13/2023  
 Supervised By :Mahesh Dadoda 04/13/2023

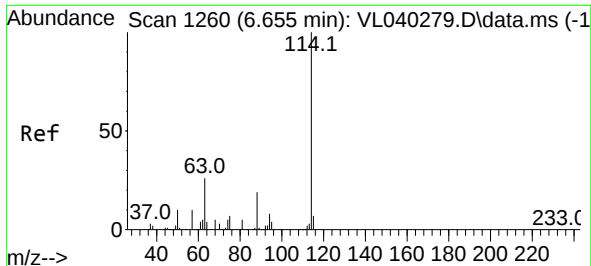


#32  
 1,1,1-Trichloroethane  
 Concen: 10.038 ppbv  
 RT: 6.005 min Scan# 1058  
 Delta R.T. 0.000 min  
 Lab File: VL040337.D  
 Acq: 12 Apr 2023 12:39



Tgt Ion: 97 Resp: 1749306  
 Ion Ratio Lower Upper  
 97 100  
 99 65.6 52.2 78.2  
 61 49.9 41.4 62.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 114

Delta R.T. -0.000 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Instrument :

MSVOA\_L

ClientSampleId :

VL0412ABS01

Tgt Ion:114 Resp: 275907

Ion Ratio Lower Upper

114 100

63 26.1 21.2 31.8

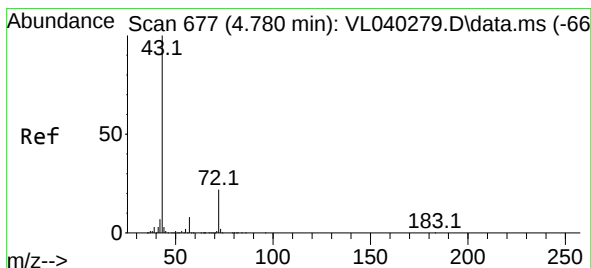
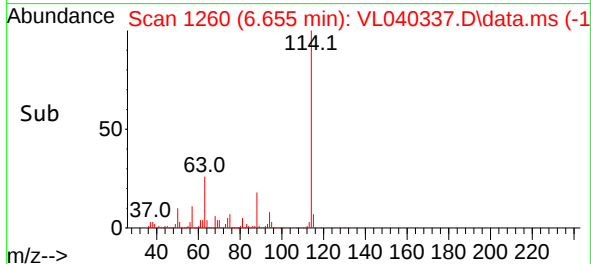
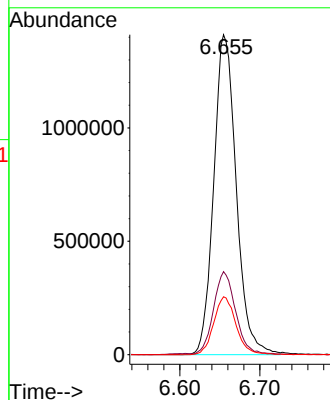
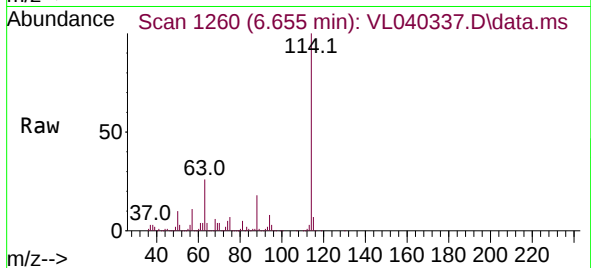
88 17.9 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#34

2-Butanone

Concen: 9.556 ppbv

RT: 4.780 min Scan# 677

Delta R.T. 0.000 min

Lab File: VL040337.D

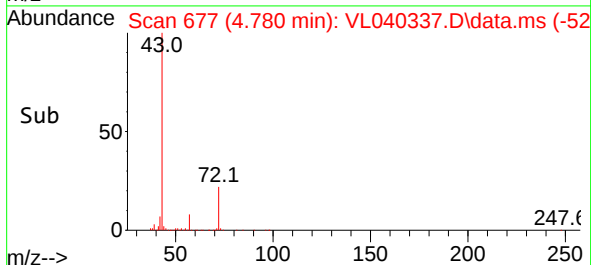
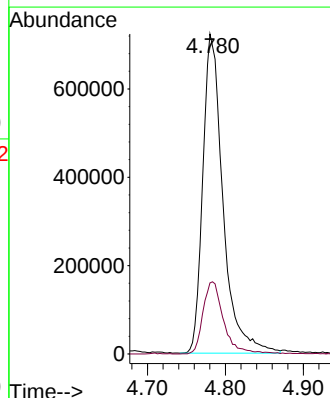
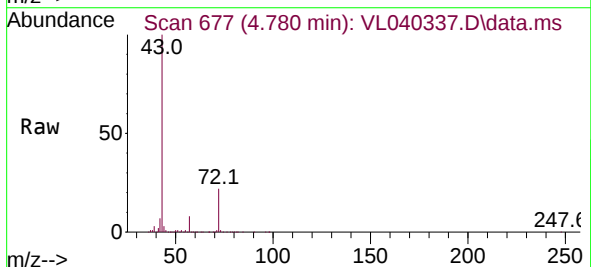
Acq: 12 Apr 2023 12:39

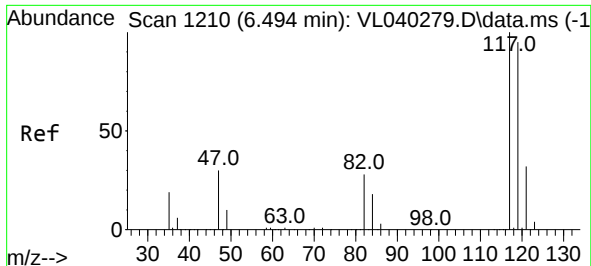
Tgt Ion: 43 Resp: 1301252

Ion Ratio Lower Upper

43 100

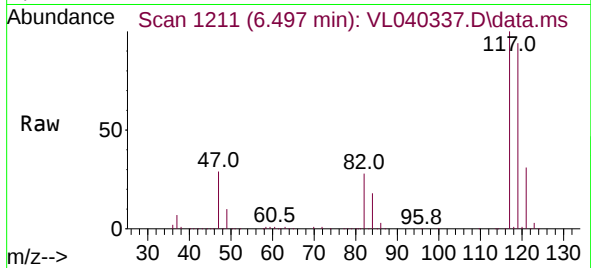
72 23.5 18.3 27.5





#35  
Carbon Tetrachloride  
Concen: 10.319 ppbv  
RT: 6.497 min Scan# 117  
Delta R.T. 0.003 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

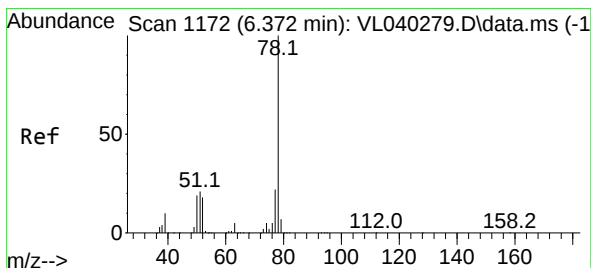
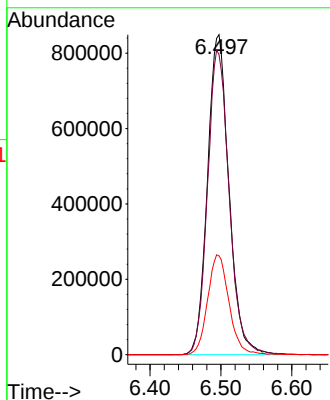
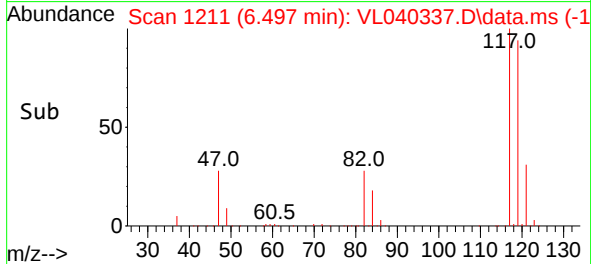
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0412ABS01



Tgt Ion:117 Resp: 1786719  
Ion Ratio Lower Upper  
117 100  
119 93.8 76.4 114.6  
121 30.9 25.6 38.4

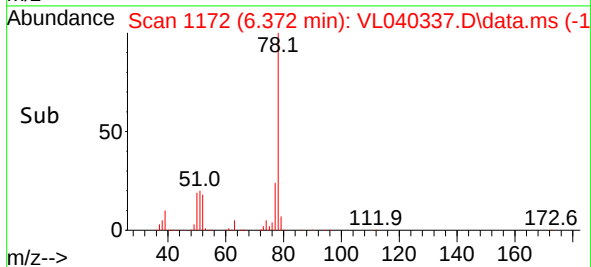
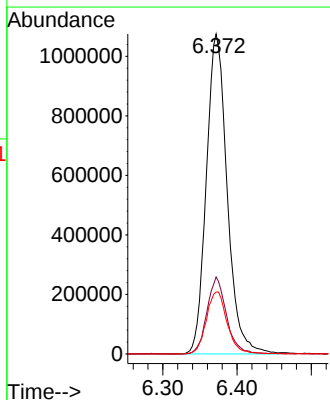
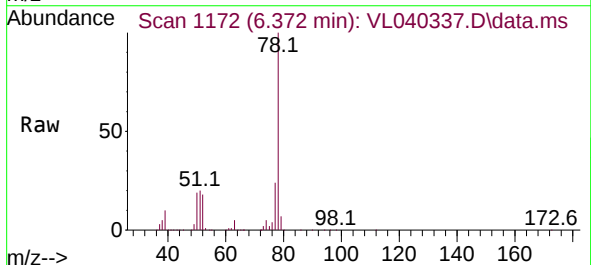
Manual Integrations  
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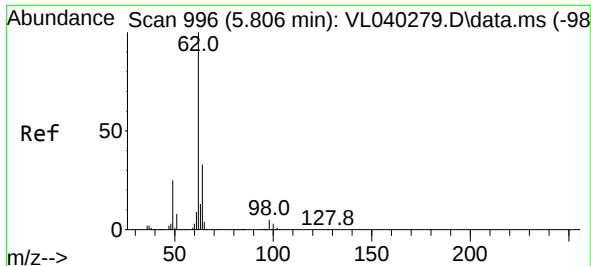
Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023



#36  
Benzene  
Concen: 9.966 ppbv  
RT: 6.372 min Scan# 1172  
Delta R.T. -0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

Tgt Ion: 78 Resp: 2095440  
Ion Ratio Lower Upper  
78 100  
77 24.0 17.8 26.8  
50 19.4 15.4 23.2





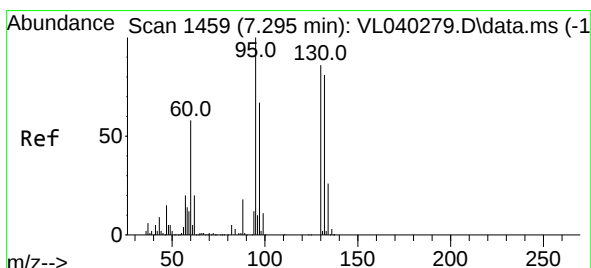
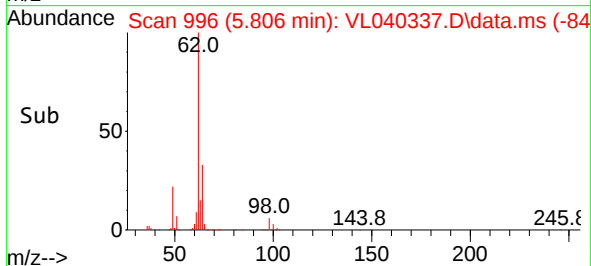
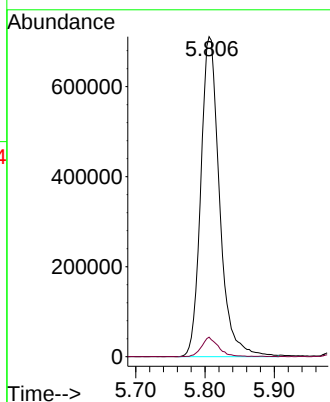
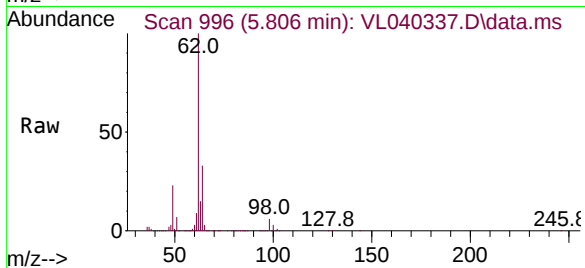
#37  
1,2-Dichloroethane  
Concen: 9.761 ppbv  
RT: 5.806 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0412ABS01

Tgt Ion: 62 Resp: 133577  
Ion Ratio Lower Upper  
62 100  
98 5.6 4.3 6.5

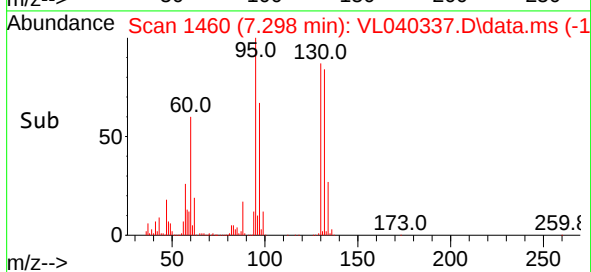
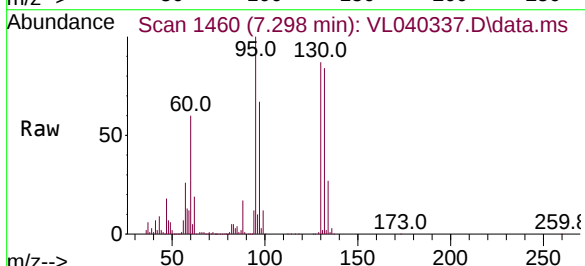
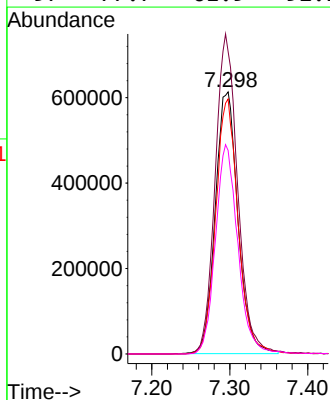
Manual Integrations  
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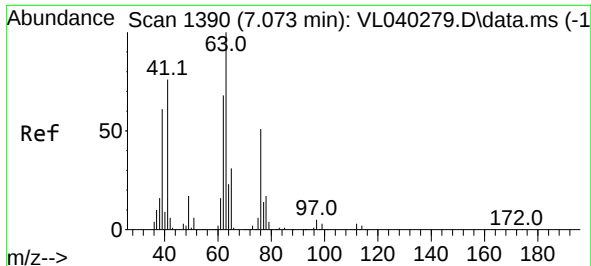
Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023



#38  
Trichloroethene  
Concen: 10.824 ppbv  
RT: 7.298 min Scan# 1460  
Delta R.T. 0.003 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

Tgt Ion:130 Resp: 1243677  
Ion Ratio Lower Upper  
130 100  
95 115.5 93.0 139.4  
132 97.4 75.3 112.9  
97 77.7 61.9 92.9





#39

1,2-Dichloropropane

Concen: 9.812 ppbv

RT: 7.079 min Scan# 1390

Delta R.T. 0.006 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Instrument :

MSVOA\_L

ClientSampleId :

VL0412ABS01

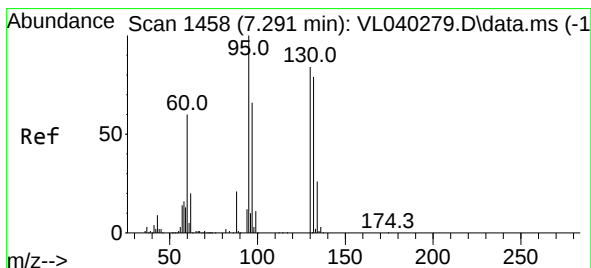
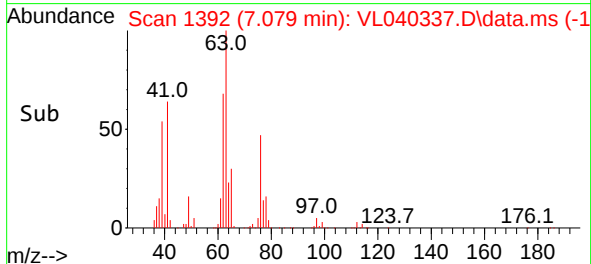
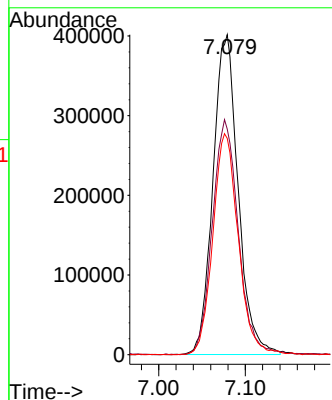
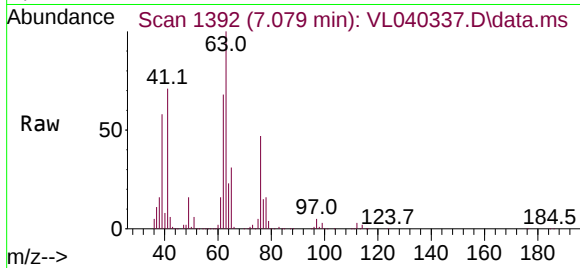
|             |                |
|-------------|----------------|
| Tgt Ion: 63 | Resp: 80939    |
| Ion Ratio   | Lower Upper    |
| 63          | 100            |
| 41          | 70.6 60.8 91.2 |
| 62          | 67.5 54.1 81.1 |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#40

1,4-Dioxane

Concen: 8.758 ppbv

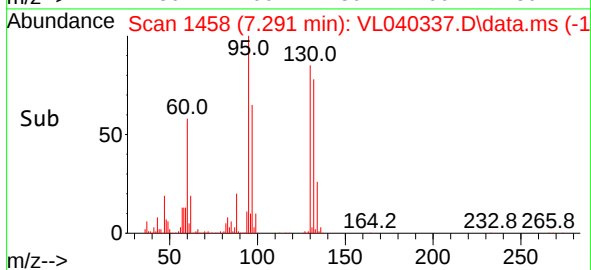
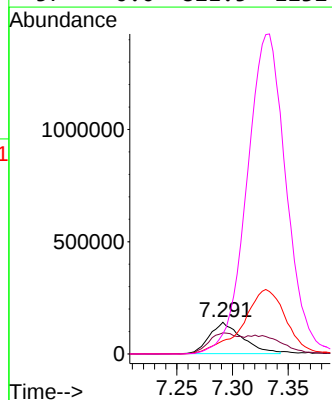
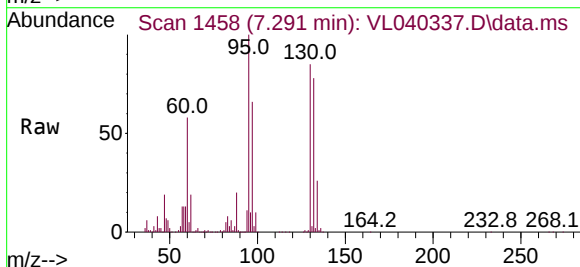
RT: 7.291 min Scan# 1458

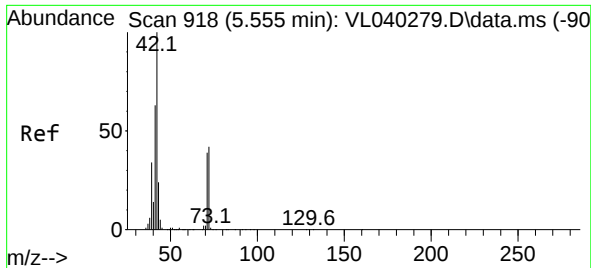
Delta R.T. 0.000 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

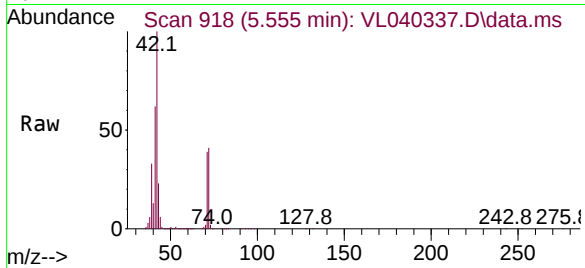
|             |                   |
|-------------|-------------------|
| Tgt Ion: 88 | Resp: 285837      |
| Ion Ratio   | Lower Upper       |
| 88          | 100               |
| 58          | 131.6 96.0 144.0  |
| 43          | 0.0 187.6 281.4#  |
| 57          | 0.0 821.5 1232.3# |





#41  
Tetrahydrofuran  
Concen: 9.985 ppbv  
RT: 5.555 min Scan# 918  
Delta R.T. 0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

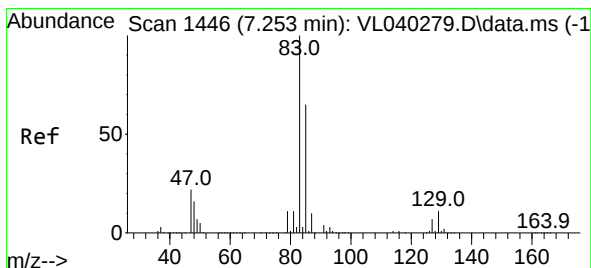
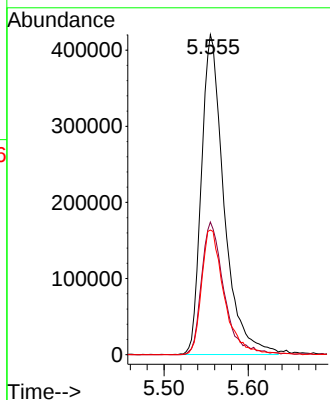
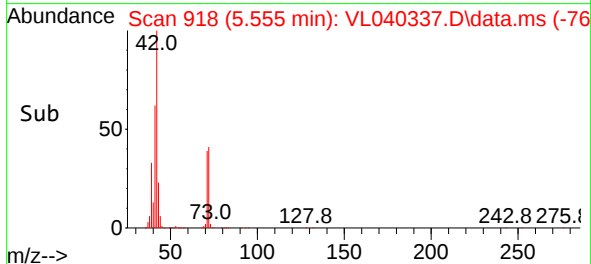
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0412ABS01



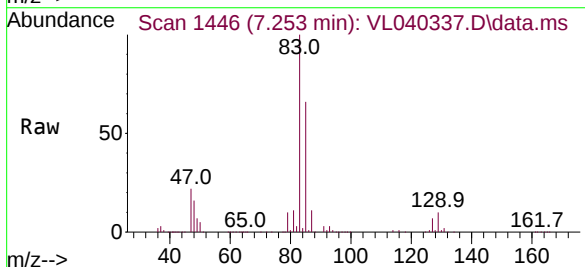
Tgt Ion: 42 Resp: 784728  
Ion Ratio Lower Upper  
42 100  
72 41.7 32.6 49.0  
71 39.6 31.0 46.4

Manual Integrations  
APPROVED

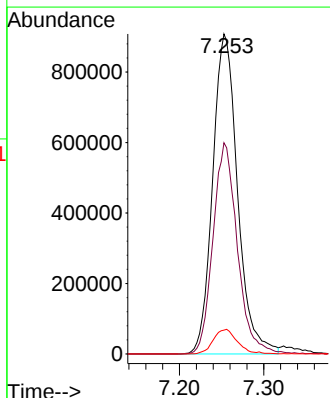
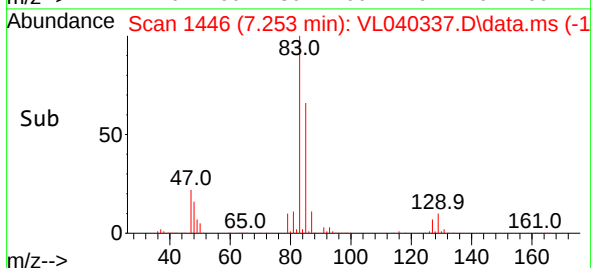
Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023

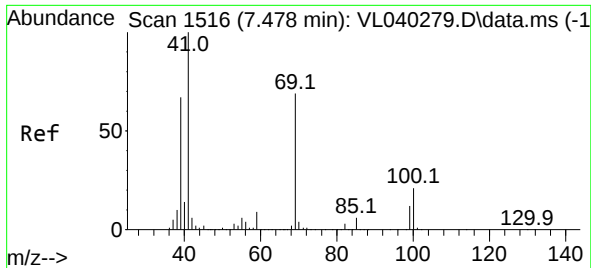


#42  
Bromodichloromethane  
Concen: 9.960 ppbv  
RT: 7.253 min Scan# 1446  
Delta R.T. -0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39



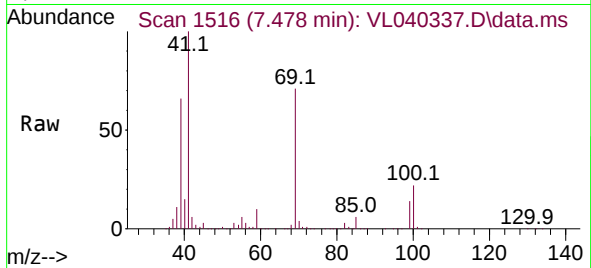
Tgt Ion: 83 Resp: 1862686  
Ion Ratio Lower Upper  
83 100  
85 66.0 52.1 78.1  
127 7.5 5.8 8.6





#43  
Methyl Methacrylate  
Concen: 10.591 ppbv  
RT: 7.478 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

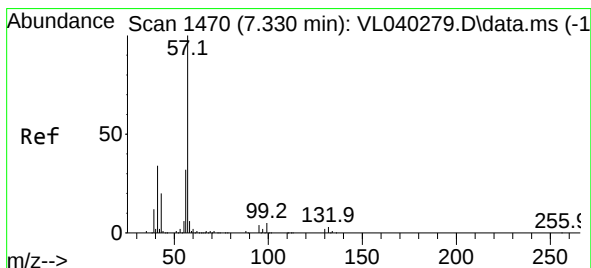
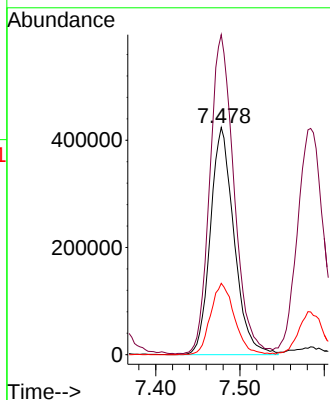
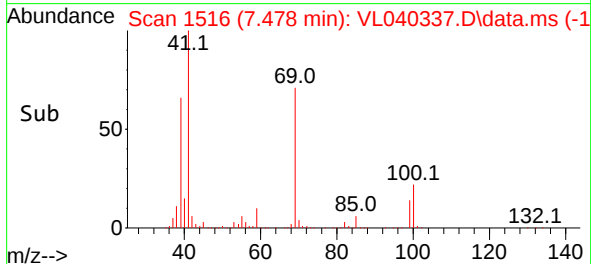
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0412ABS01



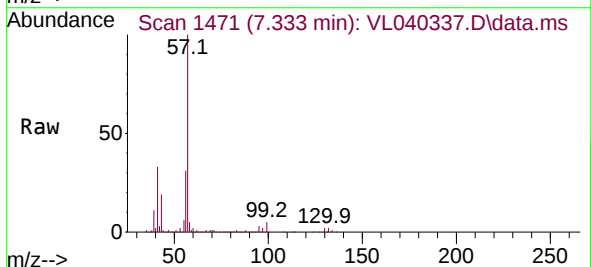
Tgt Ion: 69 Resp: 827593  
Ion Ratio Lower Upper  
69 100  
41 143.9 116.9 175.3  
100 31.7 24.2 36.4

Manual Integrations  
APPROVED

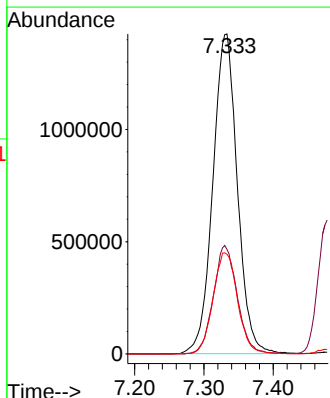
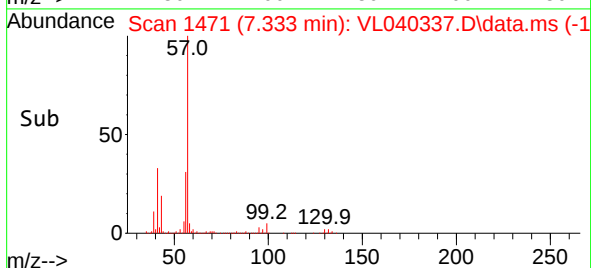
Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023

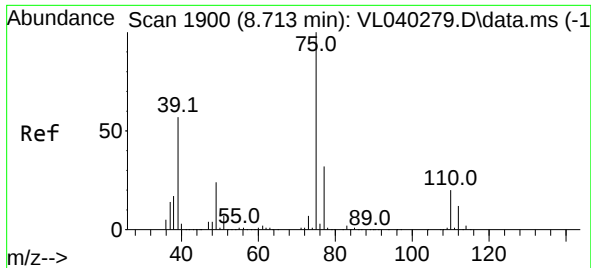


#44  
2,2,4-Trimethylpentane  
Concen: 9.966 ppbv  
RT: 7.333 min Scan# 1471  
Delta R.T. 0.003 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39



Tgt Ion: 57 Resp: 3493883  
Ion Ratio Lower Upper  
57 100  
41 33.2 26.8 40.2  
56 31.9 25.0 37.6





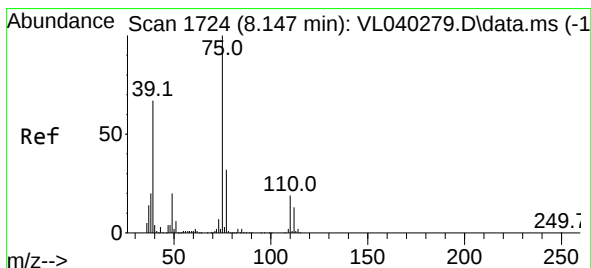
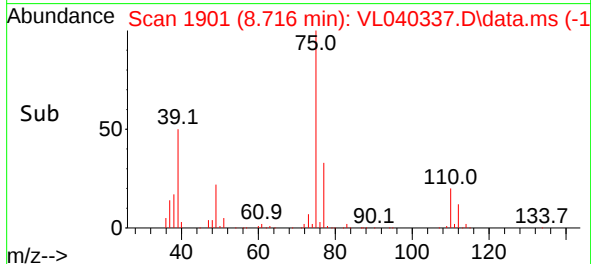
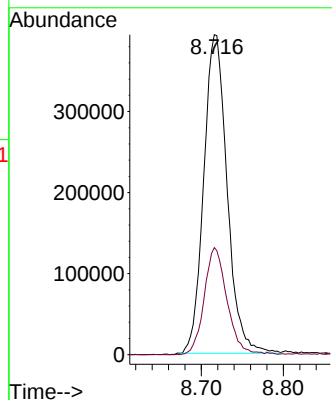
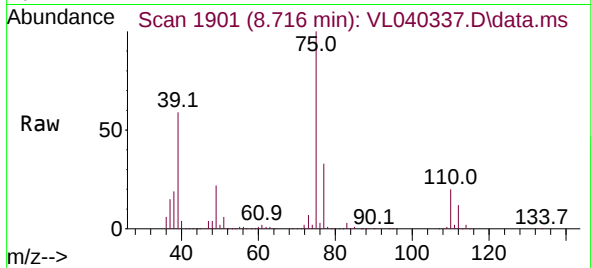
#45  
 t-1,3-Dichloropropene  
 Concen: 11.424 ppbv  
 RT: 8.716 min Scan# 1900  
 Delta R.T. 0.003 min  
 Lab File: VL040337.D  
 Acq: 12 Apr 2023 12:39

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0412ABS01

Tgt Ion: 75 Resp: 778174  
 Ion Ratio Lower Upper  
 75 100  
 77 33.4 25.4 38.0

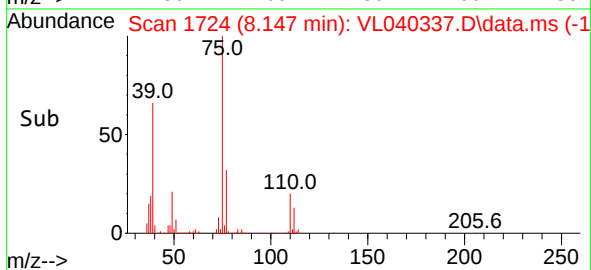
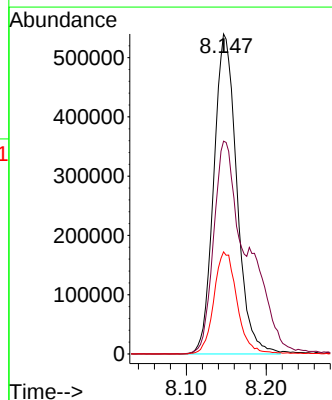
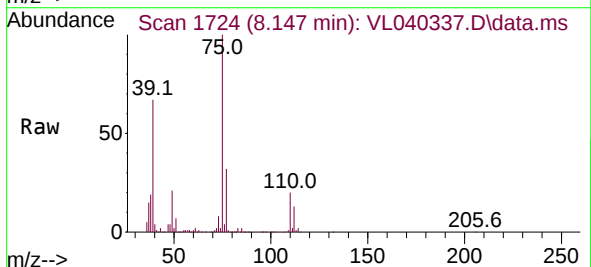
Manual Integrations  
 APPROVED

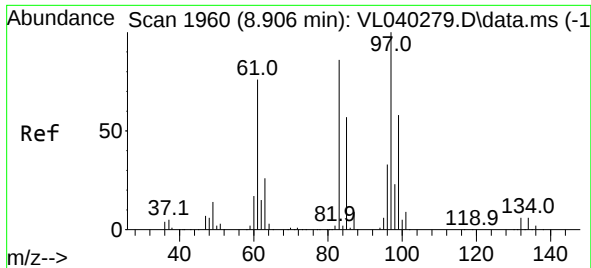
Reviewed By :Semsettin Yesilyurt 04/13/2023  
 Supervised By :Mahesh Dadoda 04/13/2023



#46  
 cis-1,3-Dichloropropene  
 Concen: 11.171 ppbv  
 RT: 8.147 min Scan# 1724  
 Delta R.T. -0.000 min  
 Lab File: VL040337.D  
 Acq: 12 Apr 2023 12:39

Tgt Ion: 75 Resp: 1080529  
 Ion Ratio Lower Upper  
 75 100  
 39 66.5 53.9 80.9  
 77 31.9 25.3 37.9





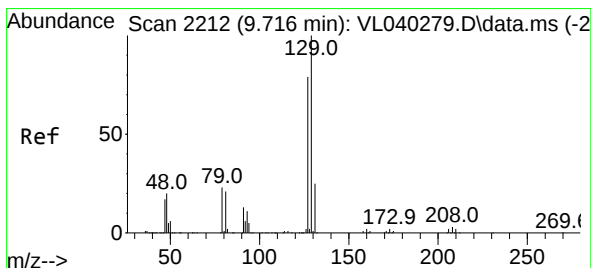
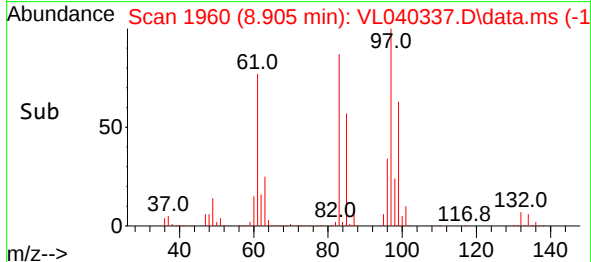
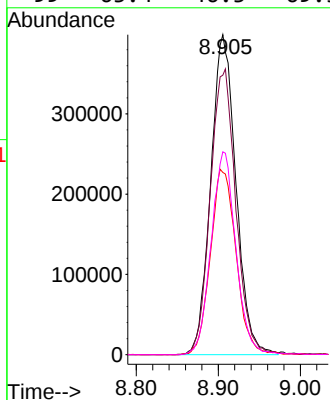
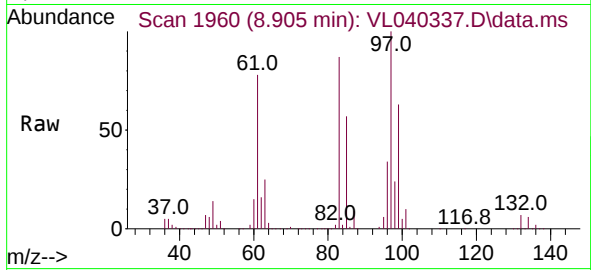
#47  
1,1,2-Trichloroethane  
Concen: 9.659 ppbv  
RT: 8.905 min Scan# 1960  
Delta R.T. -0.001 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

Instrument : MSVOA\_L  
ClientSampleId : VL0412ABS01

Tgt Ion: 97 Resp: 85014  
Ion Ratio Lower Upper  
97 100  
83 87.2 68.6 103.0  
85 57.0 46.0 69.0  
99 63.4 46.3 69.5

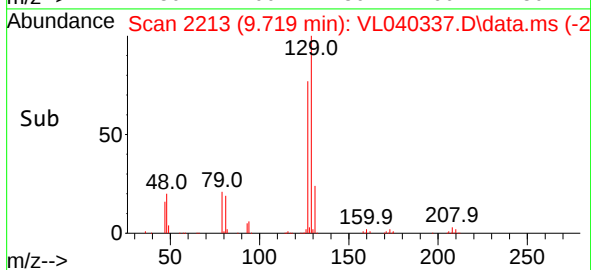
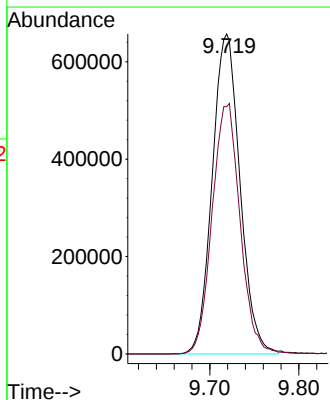
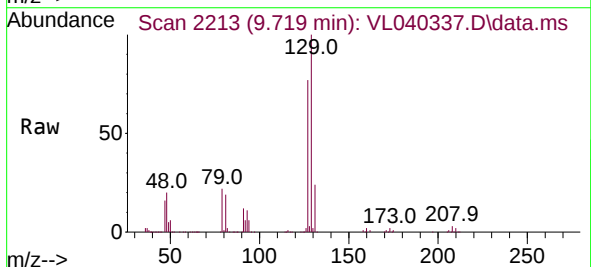
Manual Integrations  
APPROVED

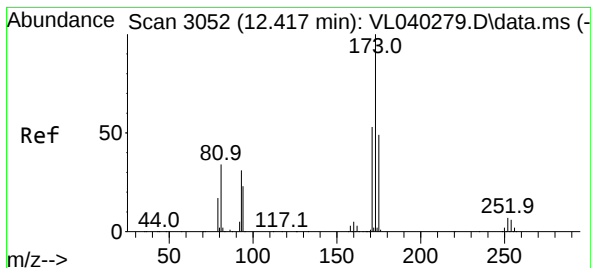
Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023



#48  
Dibromochloromethane  
Concen: 9.828 ppbv  
RT: 9.719 min Scan# 2213  
Delta R.T. 0.003 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

Tgt Ion:129 Resp: 1423540  
Ion Ratio Lower Upper  
129 100  
127 79.0 39.1 117.5





#49

Bromoform

Concen: 9.805 ppbv

RT: 12.420 min Scan# 3053

Delta R.T. 0.003 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Instrument :

MSVOA\_L

ClientSampleId :

VL0412ABS01

Tgt Ion:173 Resp: 106666

Ion Ratio Lower Upper

173 100

175 49.5 39.8 59.8

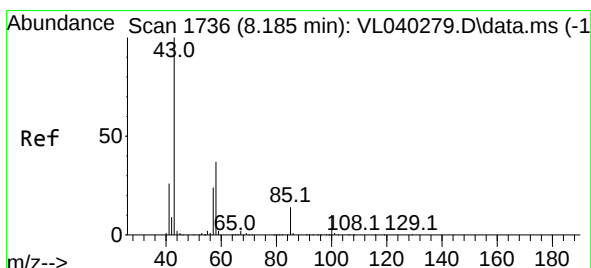
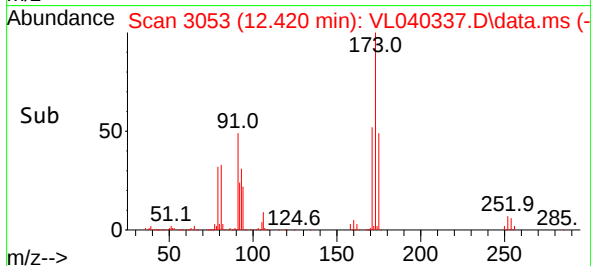
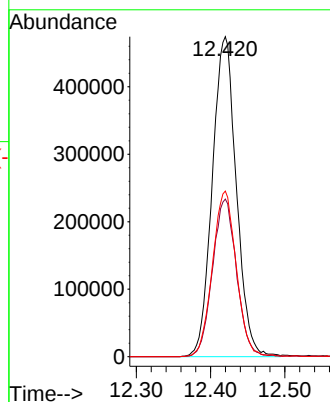
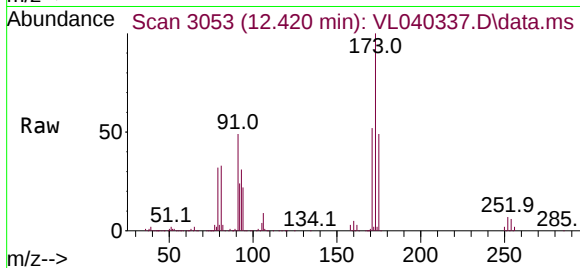
171 51.6 42.2 63.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#50

4-Methyl-2-Pentanone

Concen: 9.843 ppbv

RT: 8.185 min Scan# 1736

Delta R.T. 0.000 min

Lab File: VL040337.D

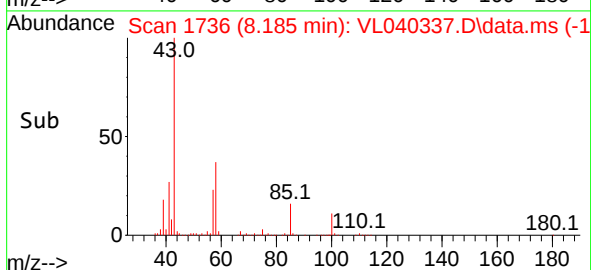
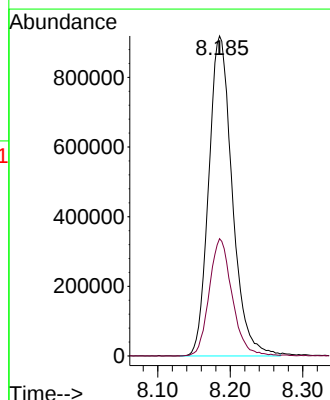
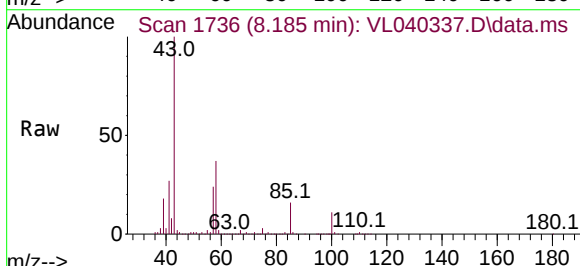
Acq: 12 Apr 2023 12:39

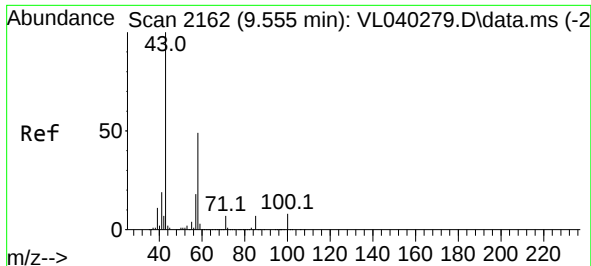
Tgt Ion: 43 Resp: 2074146

Ion Ratio Lower Upper

43 100

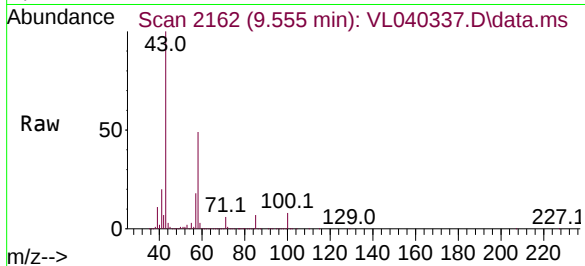
58 35.8 29.2 43.8





#51  
2-Hexanone  
Concen: 9.419 ppbv  
RT: 9.555 min Scan# 2162  
Delta R.T. -0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

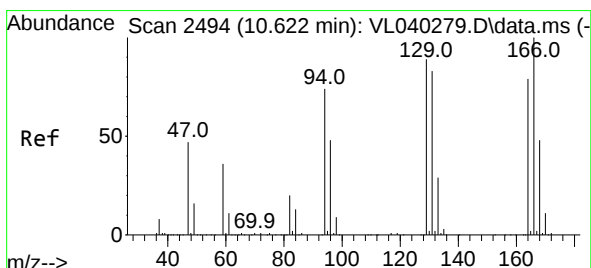
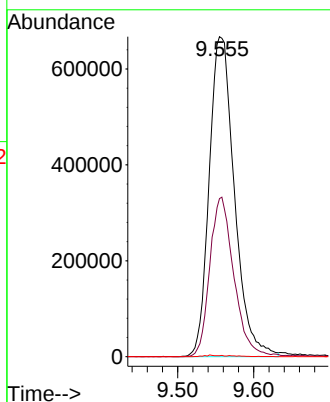
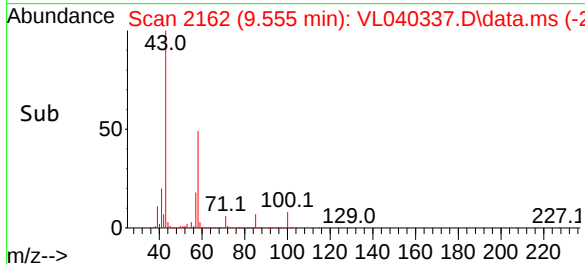
Instrument : MSVOA\_L  
ClientSampleId : VL0412ABS01



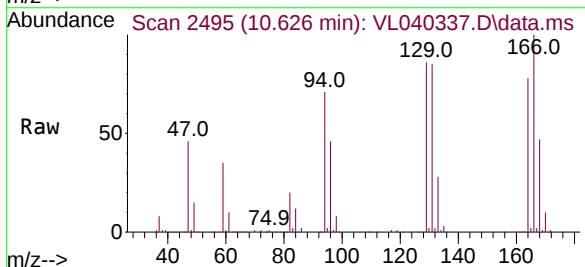
Tgt Ion: 43 Resp: 153754  
Ion Ratio Lower Upper  
43 100  
58 48.0 38.0 57.0  
98 0.5 0.5 0.7

Manual Integrations  
APPROVED

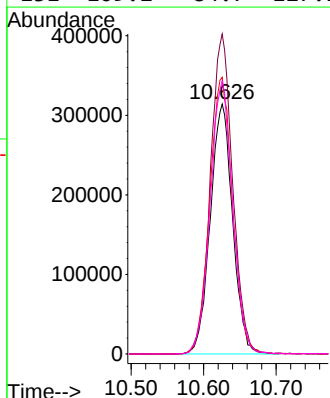
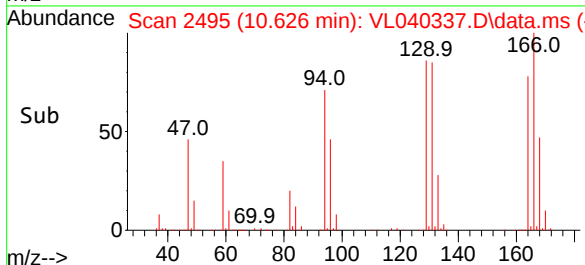
Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023

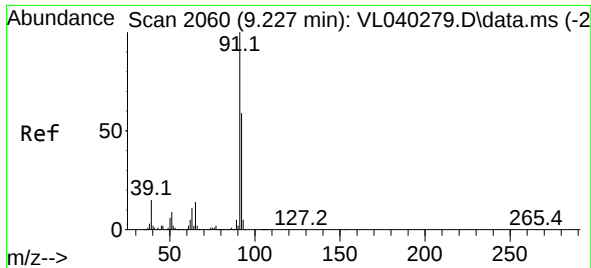


#52  
Tetrachloroethene  
Concen: 10.549 ppbv  
RT: 10.626 min Scan# 2495  
Delta R.T. 0.004 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39



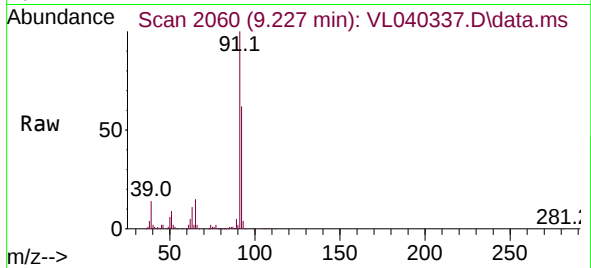
Tgt Ion:164 Resp: 671076  
Ion Ratio Lower Upper  
164 100  
166 128.0 101.8 152.6  
129 110.7 90.2 135.2  
131 109.2 84.7 127.1





#53  
Toluene  
Concen: 10.492 ppbv  
RT: 9.227 min Scan# 2060  
Delta R.T. -0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

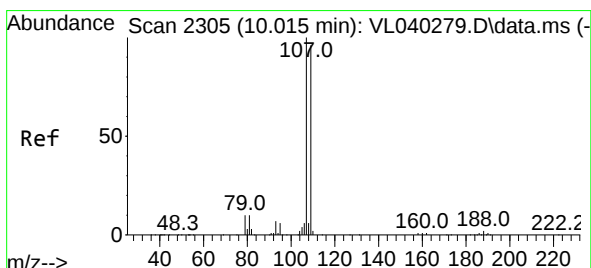
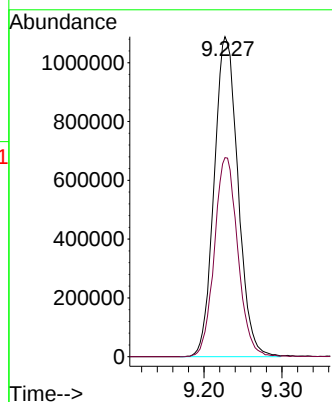
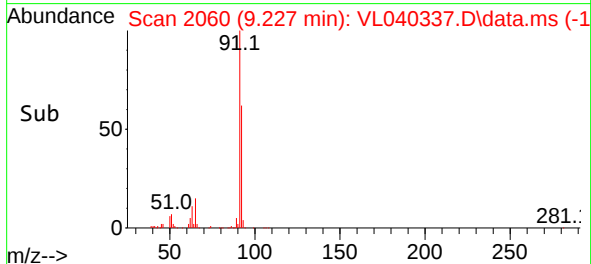
Instrument : MSVOA\_L  
ClientSampleId : VL0412ABS01



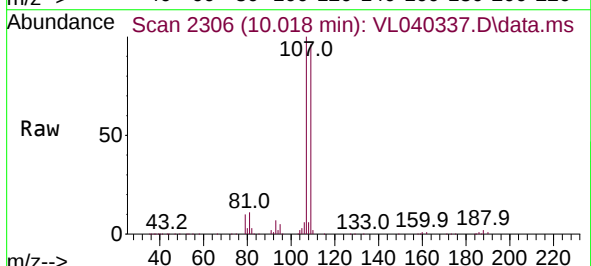
Tgt Ion: 91 Resp: 2311804  
Ion Ratio Lower Upper  
91 100  
92 61.3 48.0 72.0

Manual Integrations  
APPROVED

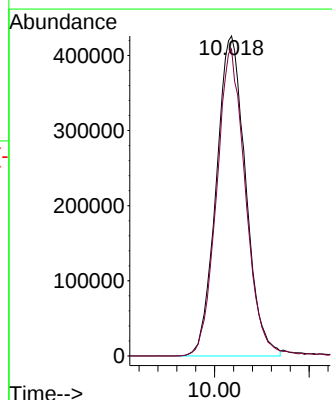
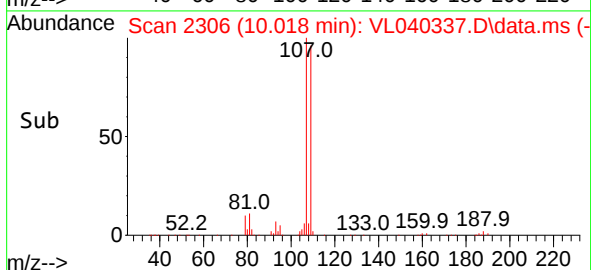
Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023

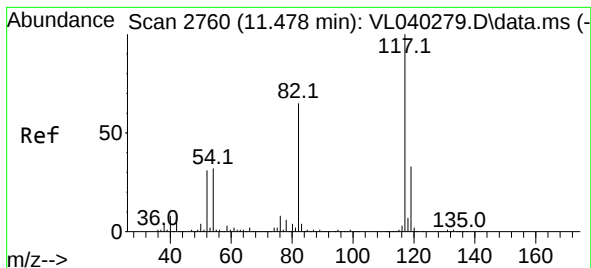


#54  
1,2-Dibromoethane  
Concen: 10.142 ppbv  
RT: 10.018 min Scan# 2306  
Delta R.T. 0.003 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39



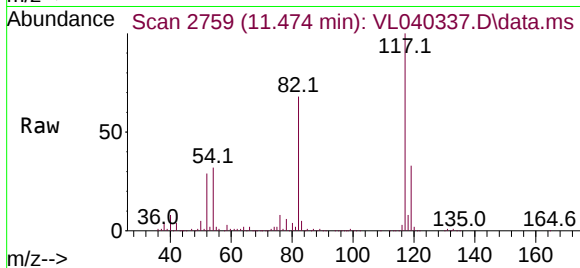
Tgt Ion:107 Resp: 918917  
Ion Ratio Lower Upper  
107 100  
109 95.8 77.0 115.6





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv m  
RT: 11.474 min Scan# 2760  
Delta R.T. -0.004 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

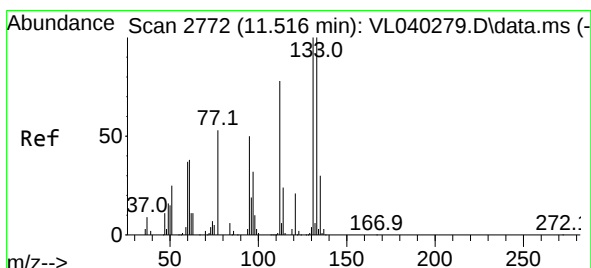
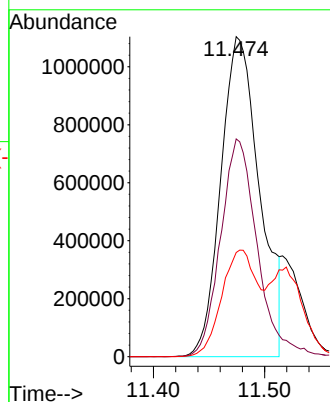
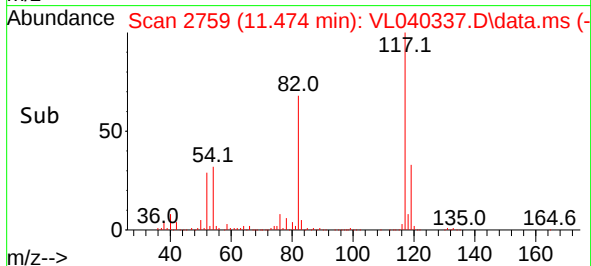
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0412ABS01



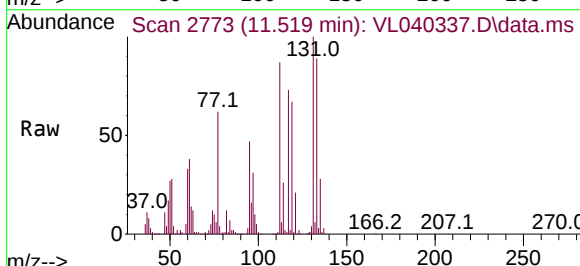
Tgt Ion:117 Resp: 267527  
Ion Ratio Lower Upper  
117 100  
82 64.7 51.4 77.2  
119 29.6 24.0 36.0

Manual Integrations  
APPROVED

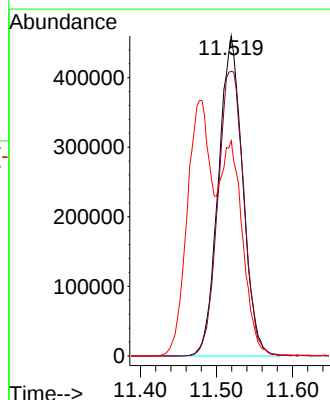
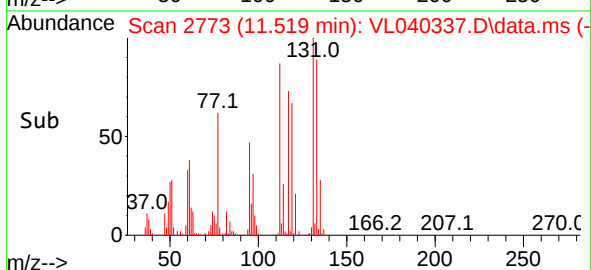
Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023

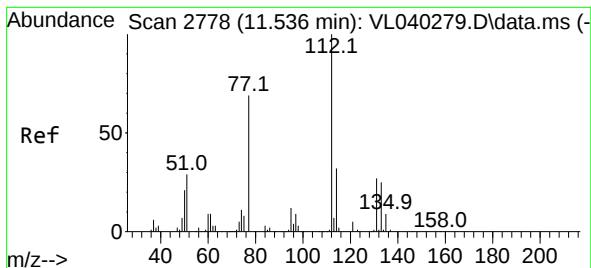


#56  
1,1,1,2-Tetrachloroethane  
Concen: 9.063 ppbv  
RT: 11.519 min Scan# 2773  
Delta R.T. 0.003 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39



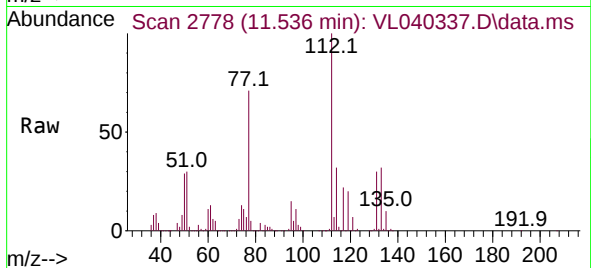
Tgt Ion:131 Resp: 1019940  
Ion Ratio Lower Upper  
131 100  
133 95.2 76.5 114.7  
119 57.0 47.9 71.9





#57  
Chlorobenzene  
Concen: 8.995 ppbv  
RT: 11.536 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

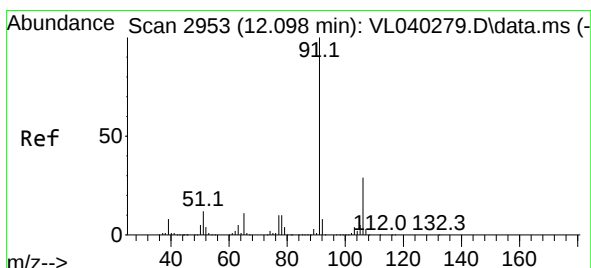
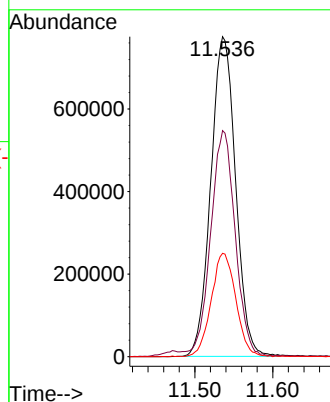
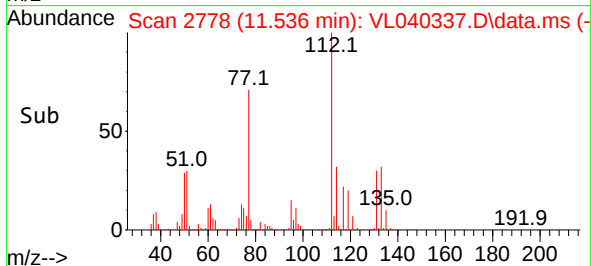
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0412ABS01



Tgt Ion: 112 Resp: 171169  
Ion Ratio Lower Upper  
112 100  
77 70.4 56.2 84.2  
114 32.2 29.0 35.4

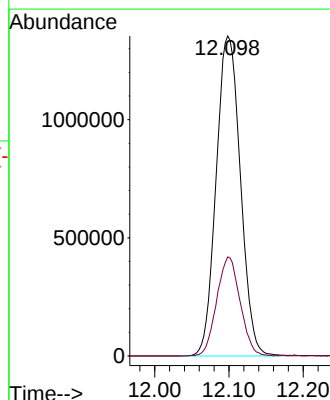
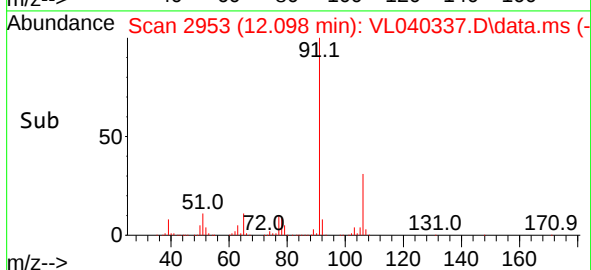
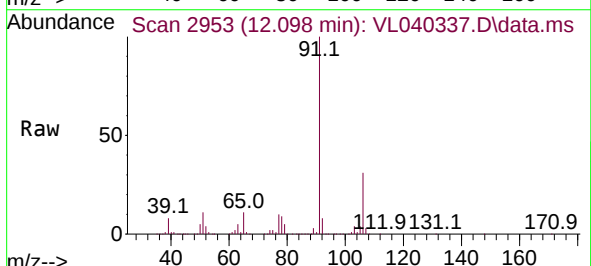
Manual Integrations  
APPROVED

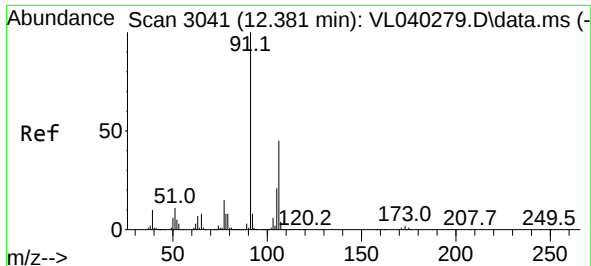
Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023



#58  
Ethyl Benzene  
Concen: 10.091 ppbv  
RT: 12.098 min Scan# 2953  
Delta R.T. 0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

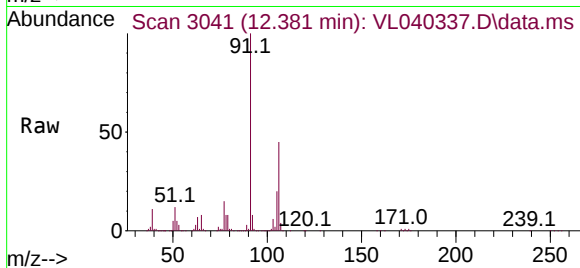
Tgt Ion: 91 Resp: 3074025  
Ion Ratio Lower Upper  
91 100  
106 30.9 23.4 35.2





#59  
m/p-Xylene  
Concen: 19.056 ppbv m  
RT: 12.381 min Scan# 3041  
Delta R.T. 0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

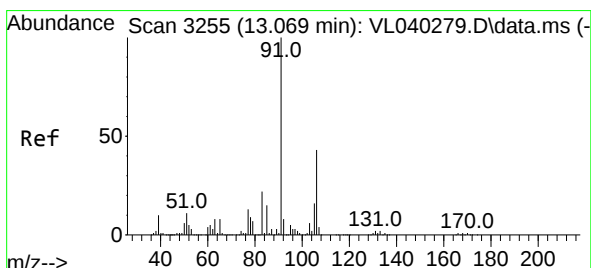
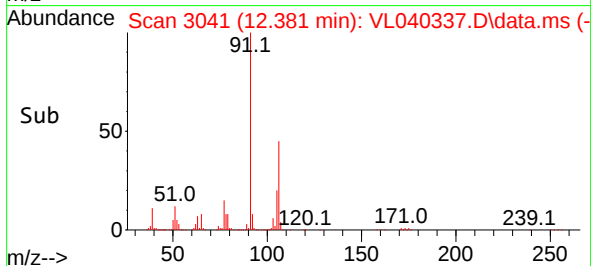
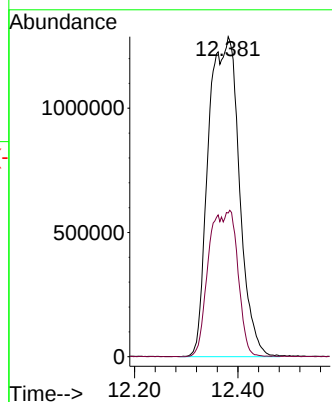
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0412ABS01



Tgt Ion: 91 Resp: 5317620  
Ion Ratio Lower Upper  
91 100  
106 43.3 34.0 51.0

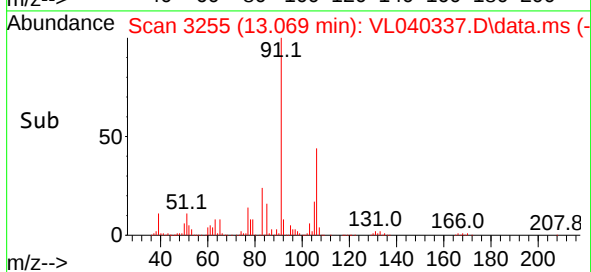
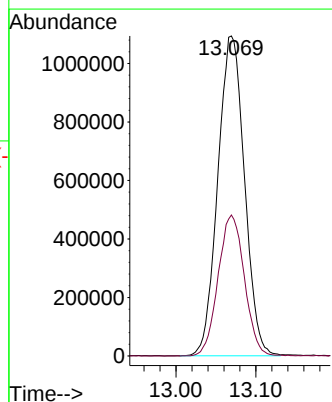
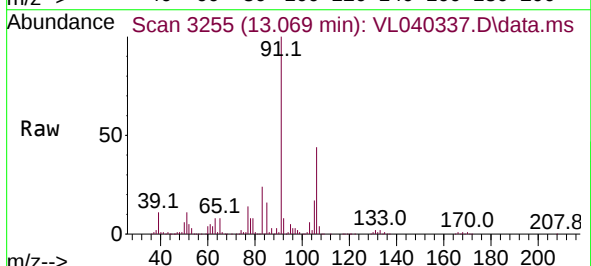
Manual Integrations  
APPROVED

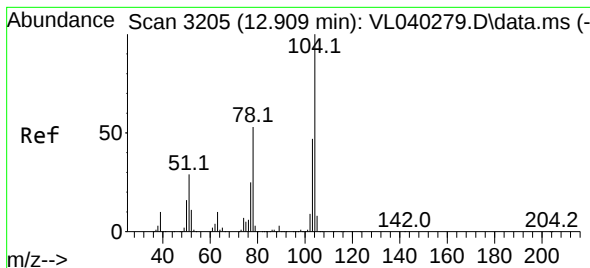
Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023



#60  
o-Xylene  
Concen: 9.484 ppbv  
RT: 13.069 min Scan# 3255  
Delta R.T. 0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

Tgt Ion: 91 Resp: 2529955  
Ion Ratio Lower Upper  
91 100  
106 43.6 21.7 65.1





#61

Styrene

Concen: 10.641 ppbv

RT: 12.908 min Scan# 31

Delta R.T. -0.001 min

Lab File: VL040337.D

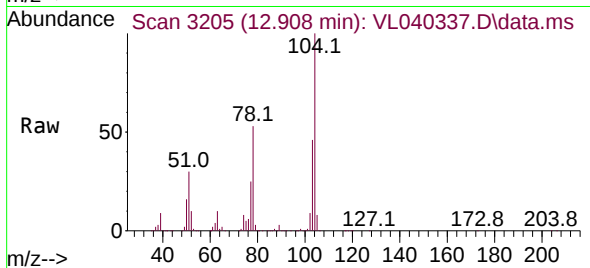
Acq: 12 Apr 2023 12:39

Instrument :

MSVOA\_L

ClientSampleId :

VL0412ABS01



Tgt Ion:104 Resp: 144048

Ion Ratio Lower Upper

104 100

78 53.5 43.7 65.5

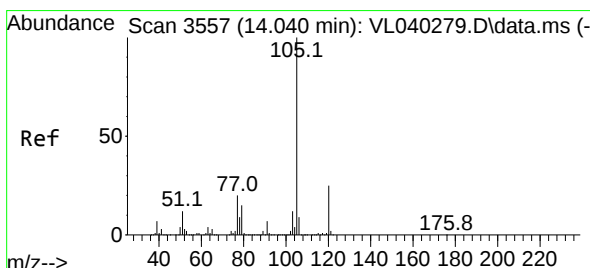
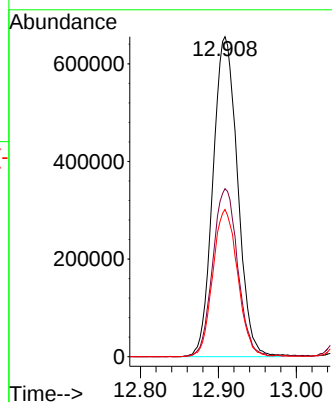
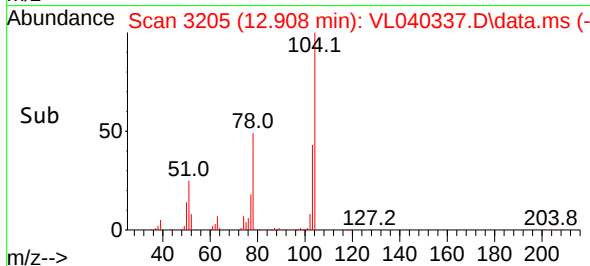
103 46.6 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#62

Isopropylbenzene

Concen: 9.408 ppbv

RT: 14.040 min Scan# 3557

Delta R.T. 0.000 min

Lab File: VL040337.D

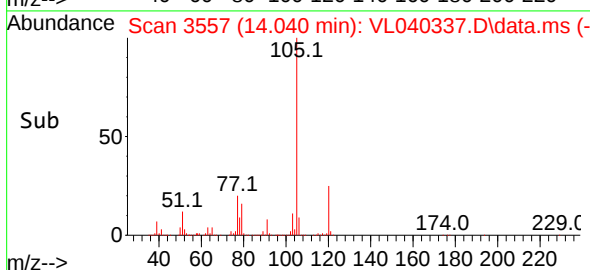
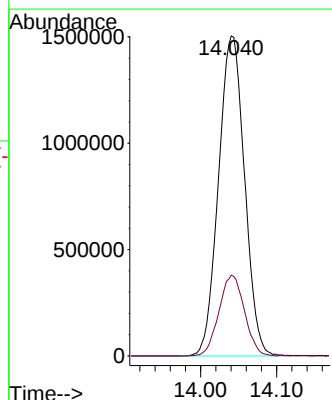
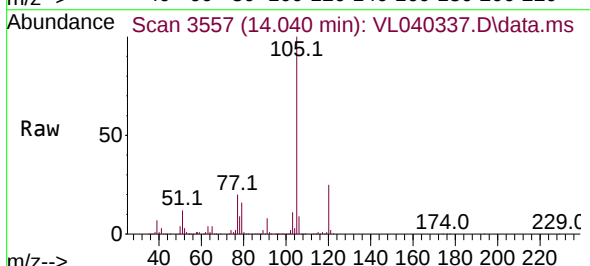
Acq: 12 Apr 2023 12:39

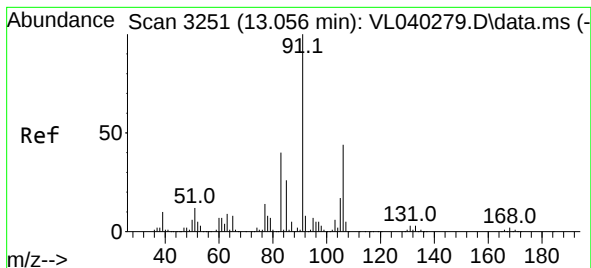
Tgt Ion:105 Resp: 3573949

Ion Ratio Lower Upper

105 100

120 24.8 19.9 29.9





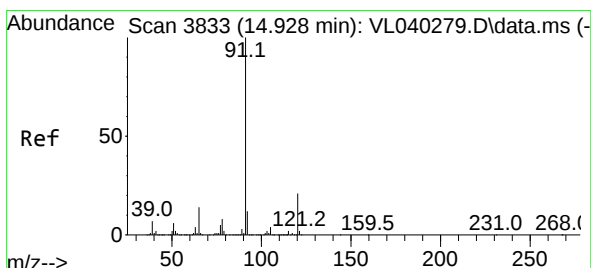
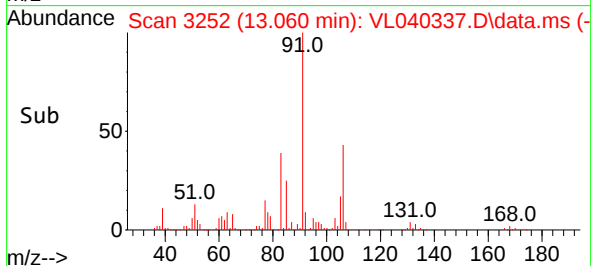
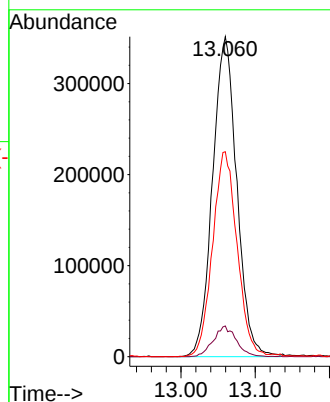
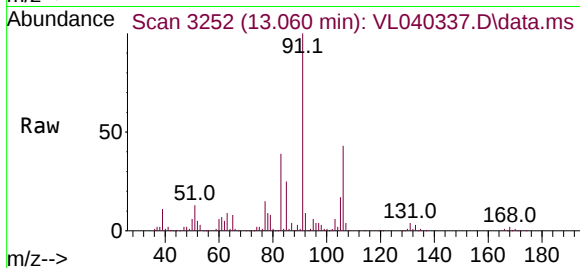
#63  
1,1,2,2-Tetrachloroethane  
Concen: 8.492 ppbv  
RT: 13.060 min Scan# 31  
Delta R.T. 0.004 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0412ABS01

Tgt Ion: 83 Resp: 797093  
Ion Ratio Lower Upper  
83 100  
131 9.1 4.3 12.9  
85 65.2 32.7 98.1

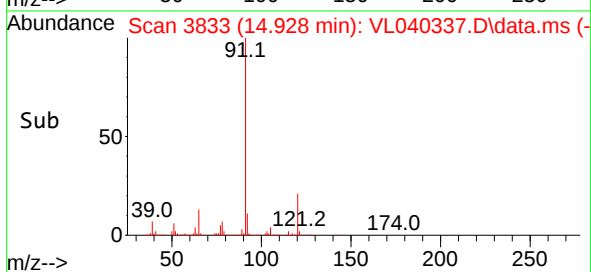
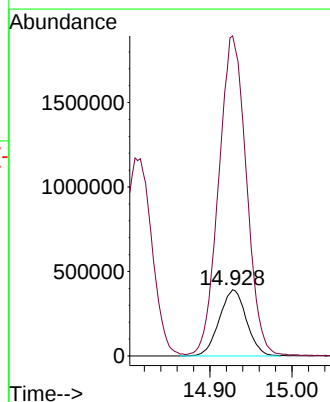
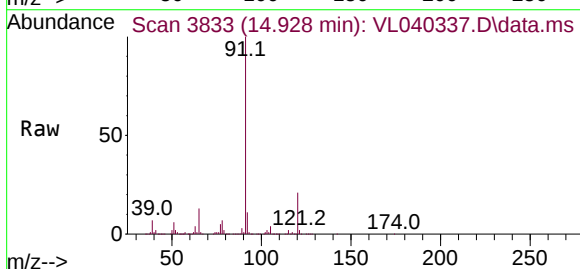
Manual Integrations  
APPROVED

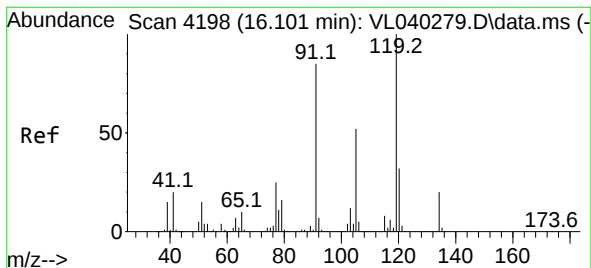
Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023



#64  
n-propylbenzene  
Concen: 9.673 ppbv  
RT: 14.928 min Scan# 3833  
Delta R.T. -0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

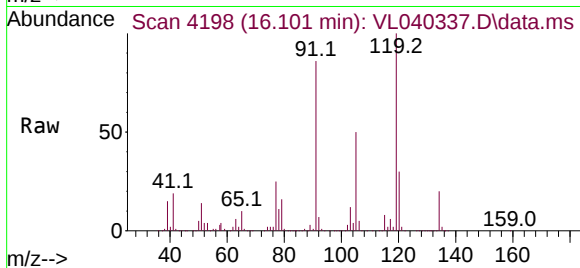
Tgt Ion:120 Resp: 899263  
Ion Ratio Lower Upper  
120 100  
91 497.6 399.0 598.6





#65  
tert-Butylbenzene  
Concen: 9.551 ppbv  
RT: 16.101 min Scan# 4198  
Delta R.T. 0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

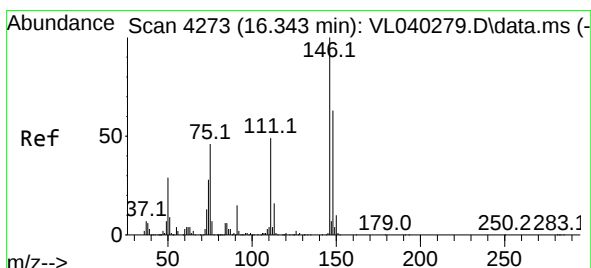
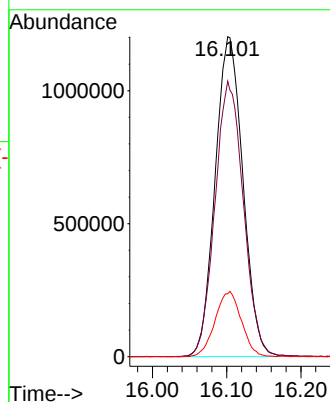
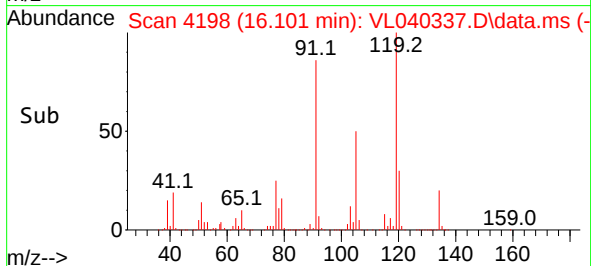
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0412ABS01



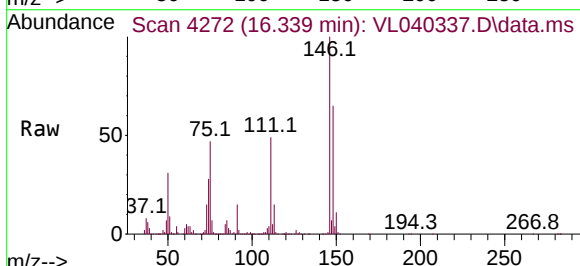
Tgt Ion: 119 Resp: 3126828  
Ion Ratio Lower Upper  
119 100  
91 88.3 69.4 104.2  
134 19.4 15.8 23.6

Manual Integrations  
APPROVED

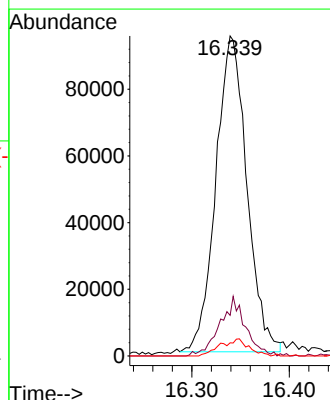
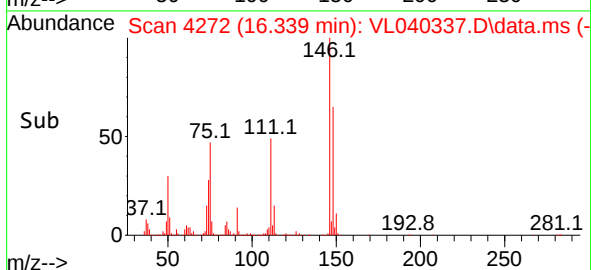
Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023

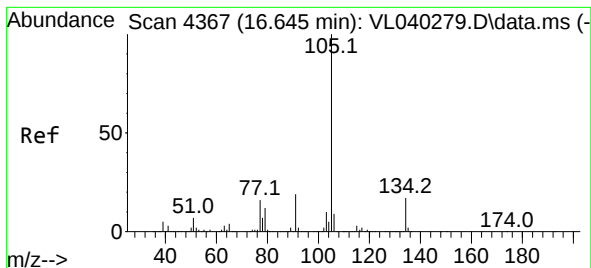


#66  
Benzyl Chloride  
Concen: 9.832 ppbv  
RT: 16.339 min Scan# 4272  
Delta R.T. -0.004 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39



Tgt Ion: 91 Resp: 209186  
Ion Ratio Lower Upper  
91 100  
126 15.6 12.1 18.1  
128 5.1 3.8 5.6





#67

sec-Butylbenzene

Concen: 9.695 ppbv

RT: 16.648 min Scan# 4368

Delta R.T. 0.003 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Instrument :

MSVOA\_L

ClientSampleId :

VL0412ABS01

Tgt Ion:105 Resp: 453889

Ion Ratio Lower Upper

105 100

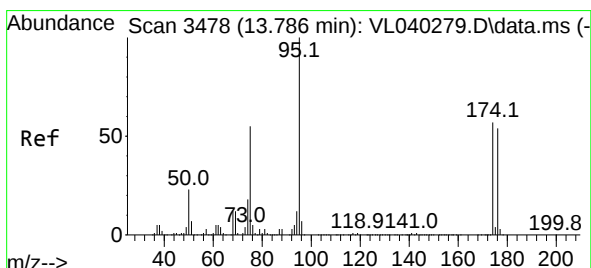
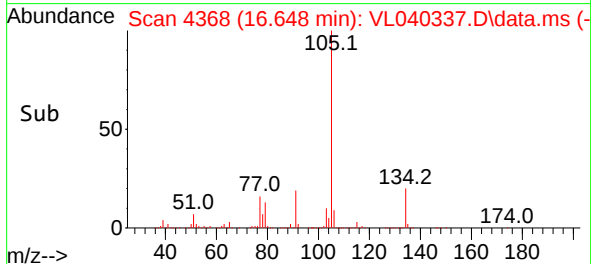
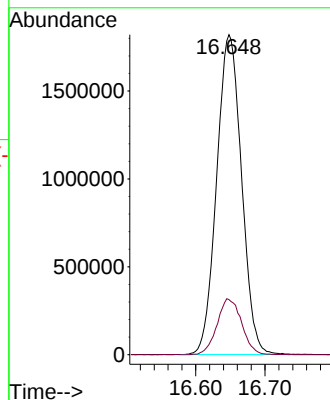
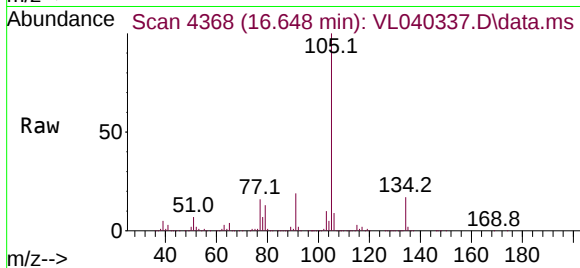
134 17.3 14.0 21.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 9.410 ppbv

RT: 13.789 min Scan# 3479

Delta R.T. 0.003 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

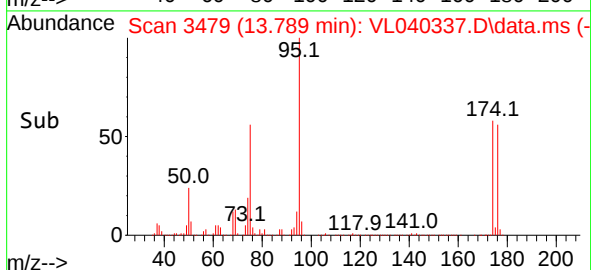
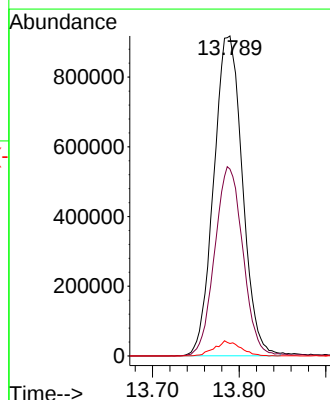
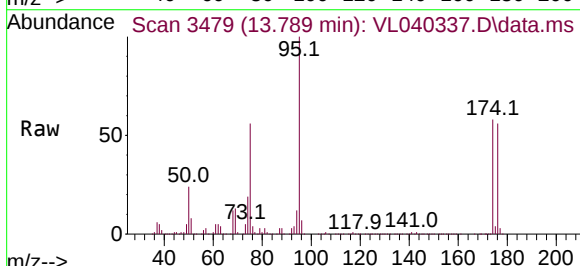
Tgt Ion: 95 Resp: 2108153

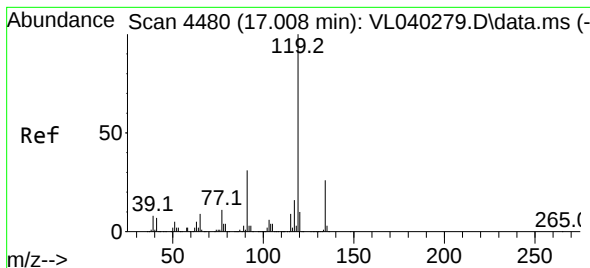
Ion Ratio Lower Upper

95 100

174 58.7 47.0 70.6

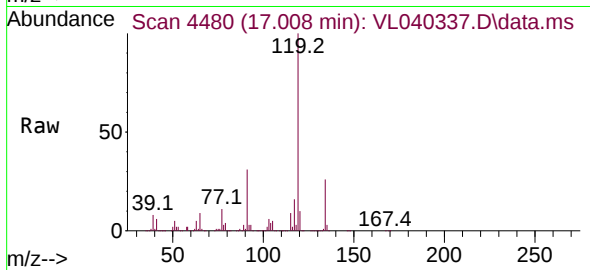
175 4.3 3.4 5.2





#69  
p-Isopropyltoluene  
Concen: 10.235 ppbv  
RT: 17.008 min Scan# 4480  
Delta R.T. -0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

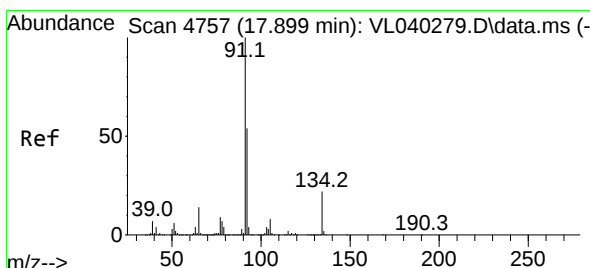
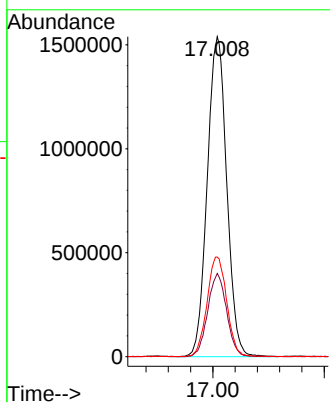
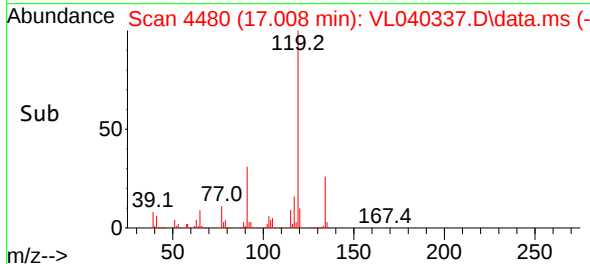
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0412ABS01



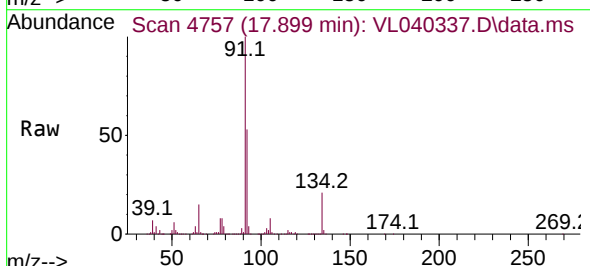
Tgt Ion:119 Resp: 3731704  
Ion Ratio Lower Upper  
119 100  
134 25.3 20.2 30.2  
91 31.6 25.1 37.7

Manual Integrations  
APPROVED

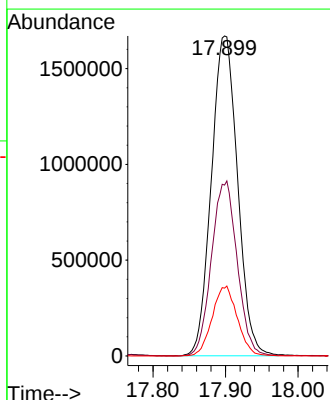
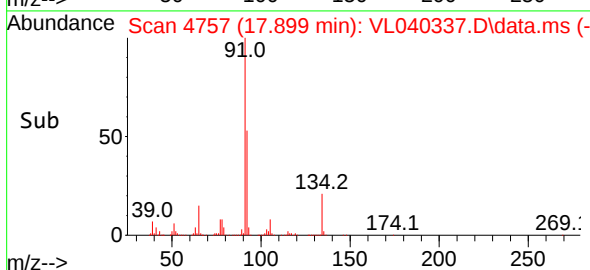
Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023

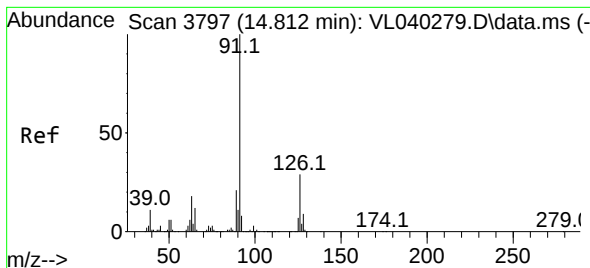


#70  
n-Butylbenzene  
Concen: 10.440 ppbv  
RT: 17.899 min Scan# 4757  
Delta R.T. -0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39



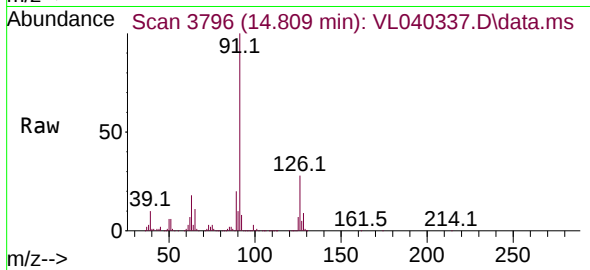
Tgt Ion: 91 Resp: 4193476  
Ion Ratio Lower Upper  
91 100  
92 53.7 42.9 64.3  
134 21.0 16.8 25.2





#71  
2-Chlorotoluene  
Concen: 9.525 ppbv  
RT: 14.809 min Scan# 3796  
Delta R.T. -0.003 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

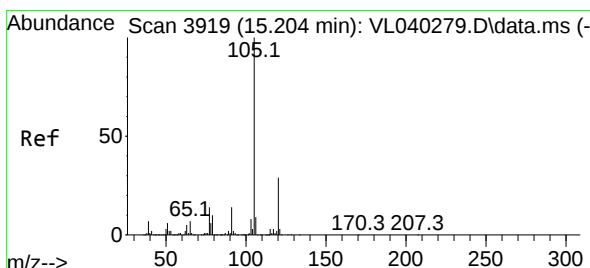
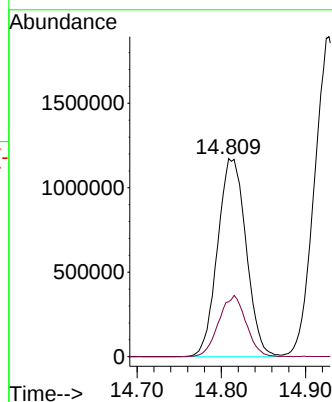
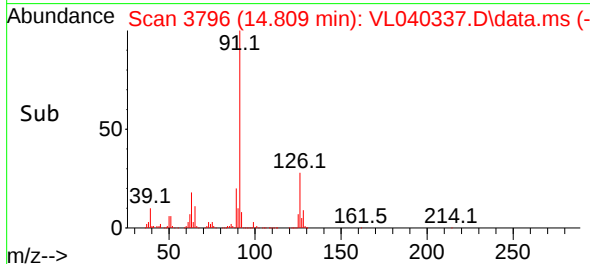
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0412ABS01



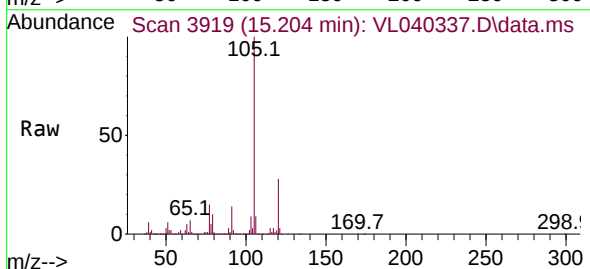
Tgt Ion: 91 Resp: 275412  
Ion Ratio Lower Upper  
91 100  
126 29.7 11.8 47.4

Manual Integrations  
APPROVED

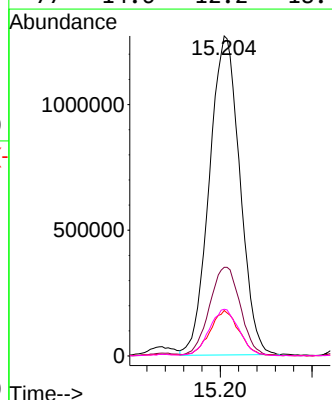
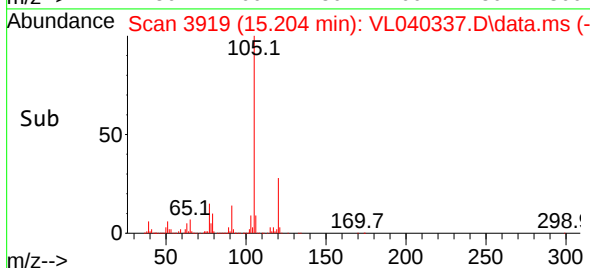
Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023

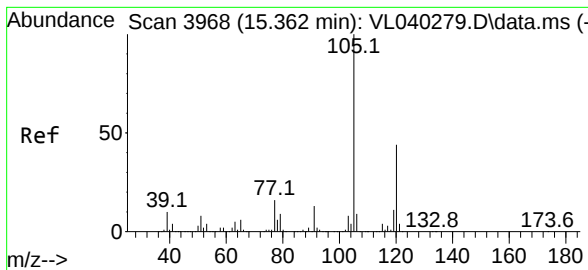


#72  
4-Ethyltoluene  
Concen: 10.029 ppbv  
RT: 15.204 min Scan# 3919  
Delta R.T. 0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39



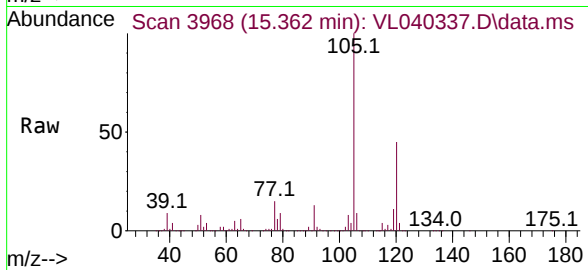
Tgt Ion:105 Resp: 2925196  
Ion Ratio Lower Upper  
105 100  
120 28.4 23.7 35.5  
91 14.1 11.6 17.4  
77 14.6 12.2 18.4





#73  
1,3,5-Trimethylbenzene  
Concen: 10.008 ppbv  
RT: 15.362 min Scan# 3968  
Delta R.T. -0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

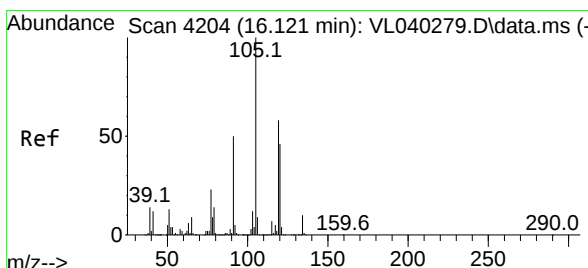
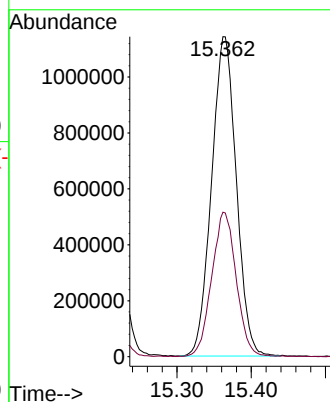
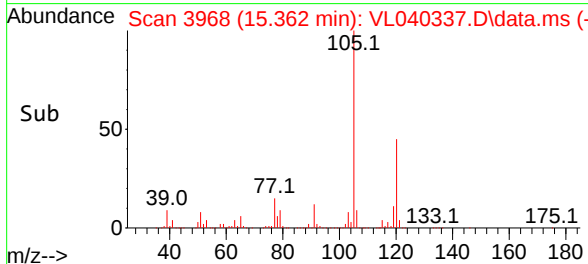
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0412ABS01



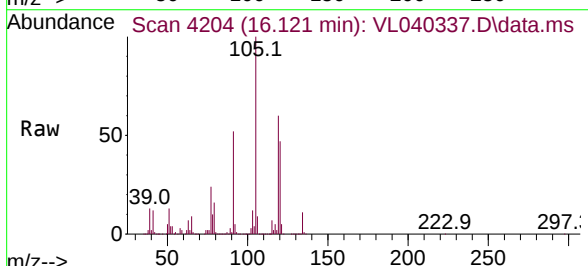
Tgt Ion:105 Resp: 264385  
Ion Ratio Lower Upper  
105 100  
120 45.1 34.9 52.3

Manual Integrations  
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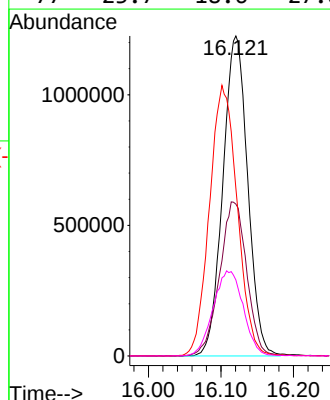
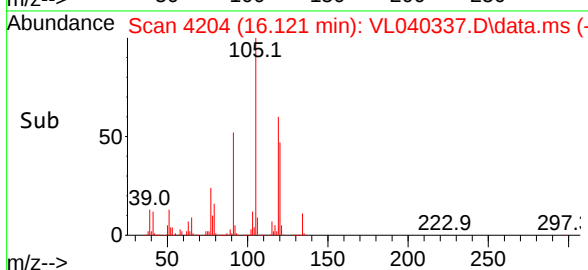
Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023

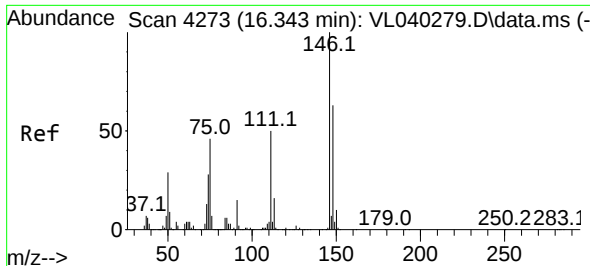


#74  
1,2,4-Trimethylbenzene  
Concen: 9.673 ppbv  
RT: 16.121 min Scan# 4204  
Delta R.T. -0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39



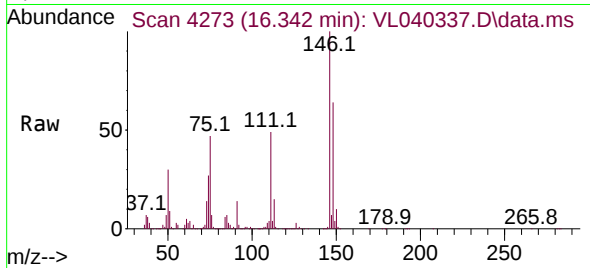
Tgt Ion:105 Resp: 2914426  
Ion Ratio Lower Upper  
105 100  
120 47.4 36.6 54.8  
91 52.2 39.9 59.9  
77 23.7 18.6 27.8





#75  
1,3-Dichlorobenzene  
Concen: 9.869 ppbv  
RT: 16.342 min Scan# 41  
Delta R.T. -0.001 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

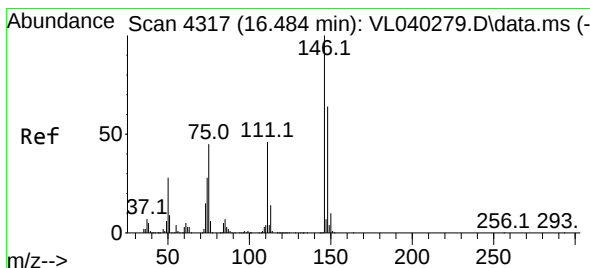
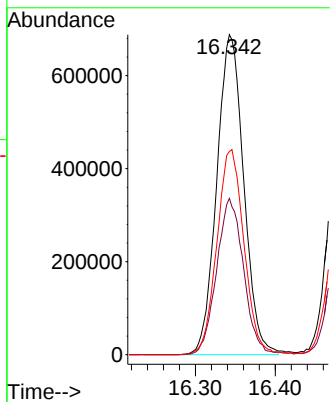
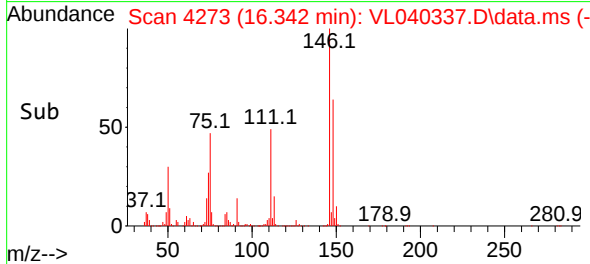
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0412ABS01



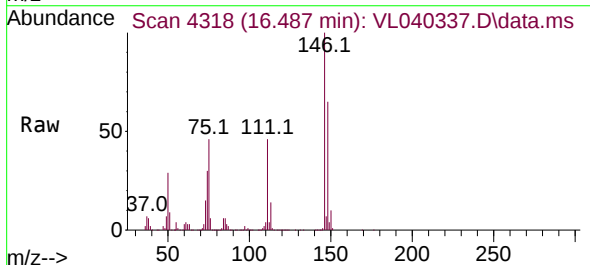
Tgt Ion:146 Resp: 161048  
Ion Ratio Lower Upper  
146 100  
111 48.9 24.3 73.0  
148 64.5 31.9 95.5

Manual Integrations  
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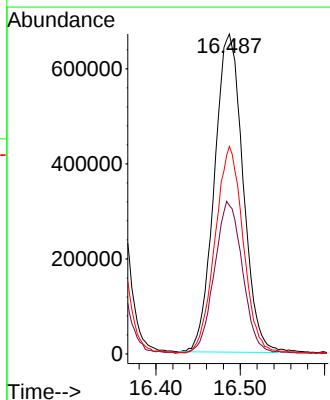
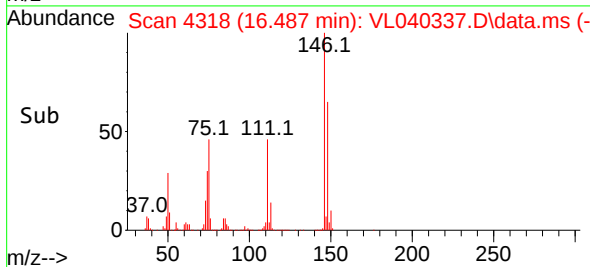
Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023

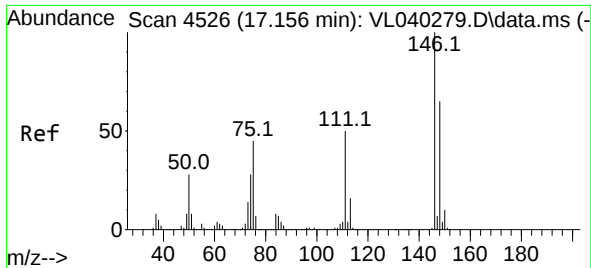


#76  
1,4-Dichlorobenzene  
Concen: 10.129 ppbv  
RT: 16.487 min Scan# 4318  
Delta R.T. 0.003 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39



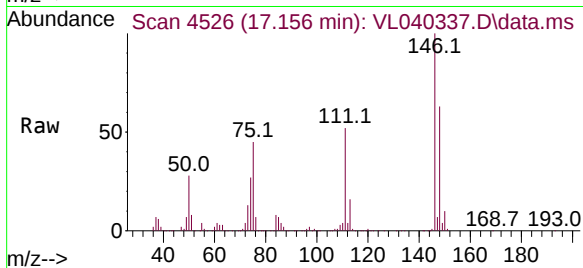
Tgt Ion:146 Resp: 1576428  
Ion Ratio Lower Upper  
146 100  
111 47.9 23.8 71.2  
148 64.9 32.5 97.5





#77  
1,2-Dichlorobenzene  
Concen: 10.190 ppbv  
RT: 17.156 min Scan# 4526  
Delta R.T. -0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

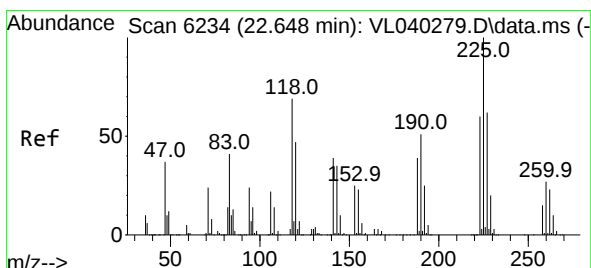
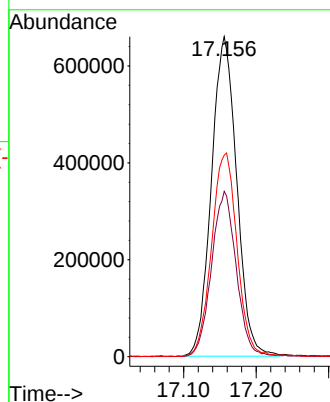
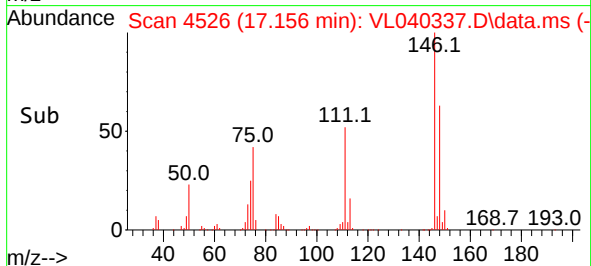
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0412ABS01



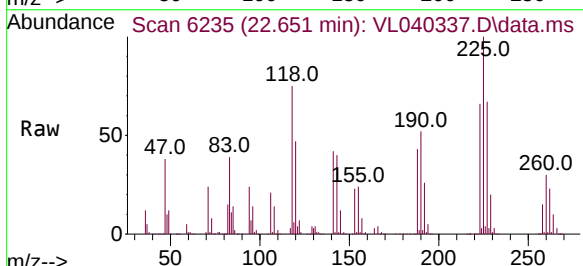
Tgt Ion:146 Resp: 1598240  
Ion Ratio Lower Upper  
146 100  
111 50.9 25.2 75.6  
148 64.4 32.1 96.3

Manual Integrations  
APPROVED

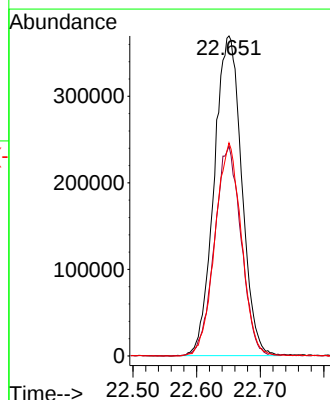
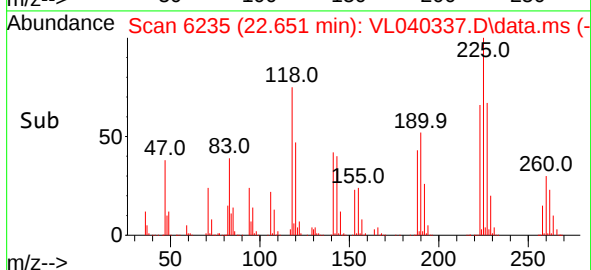
Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023

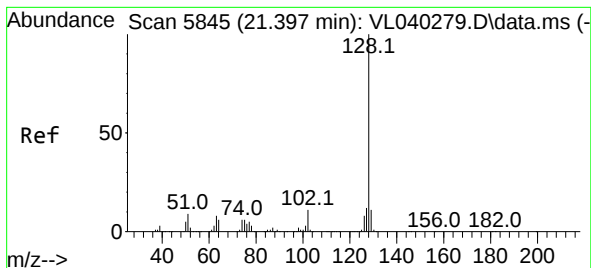


#78  
Hexachloro-1,3-Butadiene  
Concen: 9.673 ppbv  
RT: 22.651 min Scan# 6235  
Delta R.T. 0.003 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39



Tgt Ion:225 Resp: 1112710  
Ion Ratio Lower Upper  
225 100  
223 63.8 51.0 76.6  
227 64.1 51.4 77.2





#79

Naphthalene

Concen: 13.040 ppbv

RT: 21.400 min Scan# 5846

Delta R.T. 0.003 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

Instrument :

MSVOA\_L

ClientSampleId :

VL0412ABS01

Tgt Ion:128 Resp: 232420

Ion Ratio Lower Upper

128 100

127 12.5 9.6 14.4

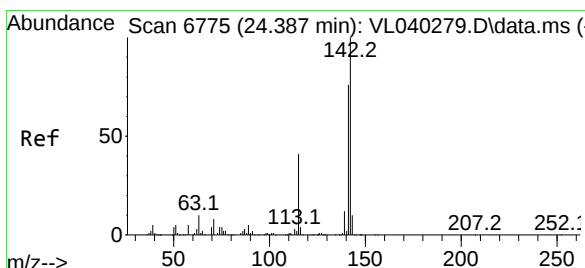
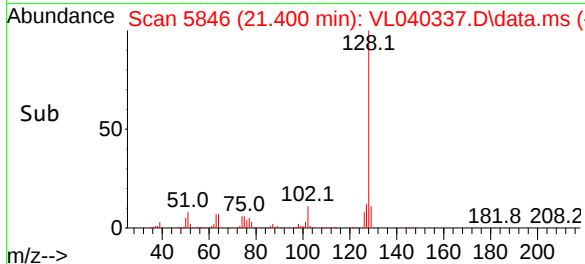
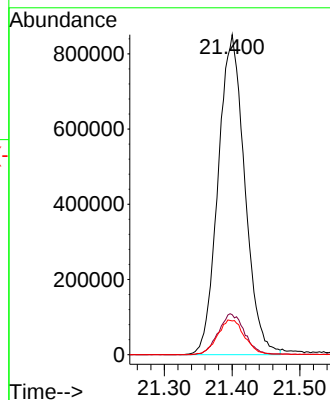
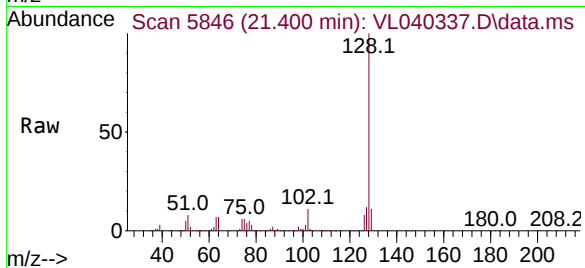
129 10.6 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023

Supervised By :Mahesh Dadoda 04/13/2023



#80

Naphthalene,2-methyl-

Concen: 8.650 ppbv

RT: 24.384 min Scan# 6774

Delta R.T. -0.003 min

Lab File: VL040337.D

Acq: 12 Apr 2023 12:39

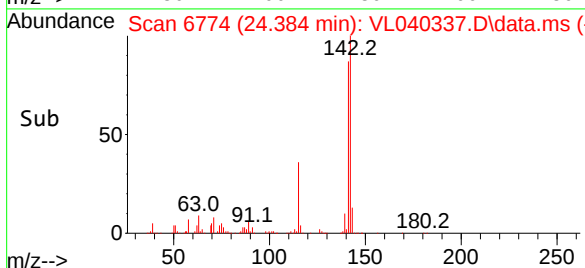
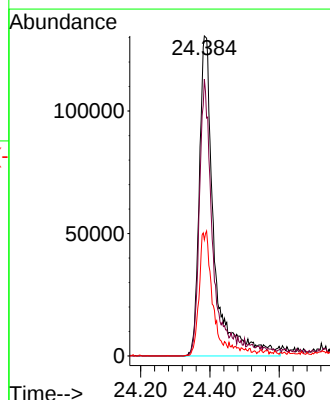
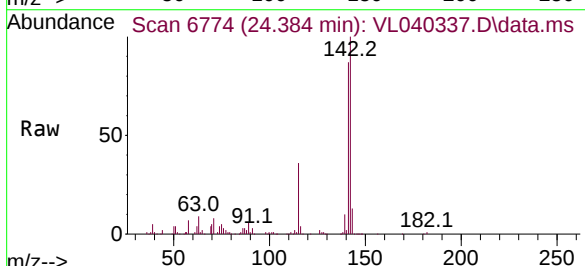
Tgt Ion:142 Resp: 390455

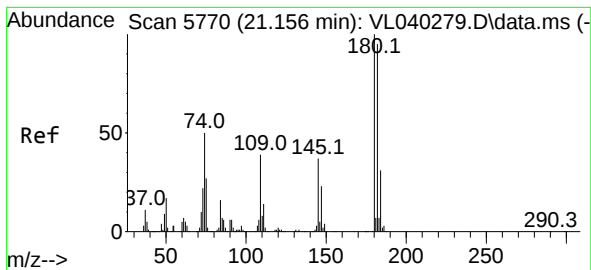
Ion Ratio Lower Upper

142 100

141 81.7 65.5 98.3

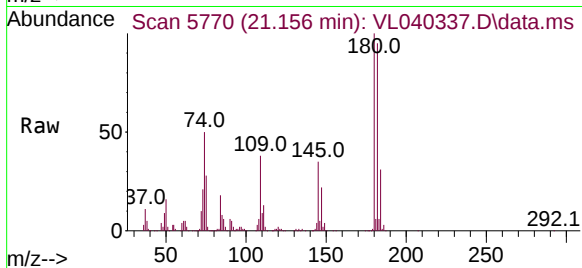
115 37.1 33.5 50.3





#81  
1,2,4-Trichlorobenzene  
Concen: 11.184 ppbv  
RT: 21.156 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VL040337.D  
Acq: 12 Apr 2023 12:39

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0412ABS01



Tgt Ion:180 Resp: 1227810  
Ion Ratio Lower Upper  
180 100  
182 97.0 76.1 114.1  
184 30.8 24.4 36.6

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2023  
Supervised By :Mahesh Dadoda 04/13/2023

