

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL121624\  
 Data File : VL041754.D  
 Acq On : 16 Dec 2024 14:34  
 Operator : SY/MD  
 Sample : VSTDICC001  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC001

Quant Time: Dec 19 06:13:31 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL121624AIR.M

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

QLast Update : Thu Dec 19 06:09:59 2024

Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 12/20/2024  
 Supervised By : Mahesh Dadoda 12/20/2024

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 2.784  | 49    | 65928    | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene       | 3.955  | 114   | 178926   | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5          | 8.878  | 117   | 162267   | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene   | 10.374 | 95    | 132857   | 9.825    | ppbv   | 0.00     |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | =      | 98.300%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.496  | 85    | 12706    | 1.083    | ppbv   | 98       |
| 3) Chlorodifluoromethane      | 1.473  | 51    | 11187    | 1.041    | ppbv   | 98       |
| 4) Chloromethane              | 1.531  | 50    | 4805     | 1.047    | ppbv   | 99       |
| 5) Vinyl Chloride             | 1.580  | 62    | 4580     | 0.990    | ppbv   | 98       |
| 6) Bromomethane               | 1.667  | 94    | 2394     | 1.097    | ppbv   | 99       |
| 7) Chloroethane               | 1.703  | 64    | 1763     | 0.981    | ppbv   | 95       |
| 8) Dichlorotetrafluoroethane  | 1.554  | 85    | 10938    | 1.042    | ppbv   | 99       |
| 9) Propene                    | 1.483  | 41    | 4840     | 1.039    | ppbv   | 94       |
| 10) Heptane                   | 4.972  | 43    | 12004    | 1.003    | ppbv   | 93       |
| 11) Trichlorofluoromethane    | 1.874  | 101   | 12625    | 1.013    | ppbv   | 94       |
| 12) 1,1,2-Trichlorotrifluo... | 2.136  | 101   | 9915     | 1.046    | ppbv   | 98       |
| 13) Ethanol                   | 1.719  | 45    | 525m     | 1.355    | ppbv   |          |
| 14) Bromoethene               | 1.780  | 108   | 3148     | 0.984    | ppbv # | 86       |
| 15) Acetone                   | 1.832  | 43    | 15060    | 1.174    | ppbv   | 99       |
| 16) 1,3-Butadiene             | 1.609  | 39    | 5137     | 1.017    | ppbv   | 95       |
| 17) tert-Butyl alcohol        | 2.039  | 59    | 13341    | 1.048    | ppbv   | 96       |
| 18) 1,1-Dichloroethene        | 2.033  | 96    | 4139     | 1.042    | ppbv   | 96       |
| 19) Isopropyl Alcohol         | 1.884  | 45    | 8703     | 1.131    | ppbv   | 100      |
| 20) Methylene Chloride        | 2.059  | 84    | 3868     | 1.057    | ppbv   | 92       |
| 21) Allyl Chloride            | 2.094  | 41    | 7425     | 1.067    | ppbv   | 98       |
| 22) trans-1,2-Dichloroethene  | 2.337  | 96    | 4599     | 1.011    | ppbv   | 96       |
| 23) Vinyl Acetate             | 2.460  | 43    | 5345     | 0.959    | ppbv # | 95       |
| 24) 1,1-Dichloroethane        | 2.408  | 63    | 9621     | 1.045    | ppbv   | 98       |
| 25) Ethyl Acetate             | 2.836  | 43    | 25141    | 1.049    | ppbv   | 99       |
| 26) Hexane                    | 2.826  | 57    | 9250     | 1.021    | ppbv   | 93       |
| 27) Carbon Disulfide          | 2.149  | 76    | 8152     | 0.999    | ppbv # | 19       |
| 28) Methyl tert-Butyl Ether   | 2.441  | 73    | 8539     | 1.162    | ppbv   | 94       |
| 29) Chloroform                | 2.845  | 83    | 14384    | 1.042    | ppbv   | 96       |
| 30) Cyclohexane               | 3.852  | 84    | 7824     | 1.015    | ppbv   | 94       |
| 31) cis-1,2-Dichloroethene    | 2.719  | 61    | 10013    | 1.070    | ppbv   | 96       |
| 32) 1,1,1-Trichloroethane     | 3.363  | 97    | 14415    | 1.049    | ppbv   | 98       |
| 34) 2-Butanone                | 2.557  | 43    | 14673    | 1.019    | ppbv   | 99       |
| 35) Carbon Tetrachloride      | 3.761  | 117   | 12808m   | 1.008    | ppbv   |          |
| 36) Benzene                   | 3.651  | 78    | 19331    | 1.044    | ppbv   | 97       |
| 37) 1,2-Dichloroethane        | 3.214  | 62    | 11490    | 0.998    | ppbv # | 94       |
| 38) Trichloroethene           | 4.551  | 130   | 7824m    | 1.004    | ppbv   |          |
| 39) 1,2-Dichloropropane       | 4.311  | 63    | 7068     | 1.056    | ppbv   | 86       |
| 40) 1,4-Dioxane               | 4.596  | 88    | 3241     | 0.991    | ppbv # | 40       |
| 41) Tetrahydrofuran           | 3.062  | 42    | 8727     | 1.082    | ppbv   | 97       |
| 42) Bromodichloromethane      | 4.489  | 83    | 13154    | 0.993    | ppbv   | 100      |
| 43) Methyl Methacrylate       | 4.875  | 69    | 7044m    | 0.999    | ppbv   |          |
| 44) 2,2,4-Trimethylpentane    | 4.638  | 57    | 32361    | 1.024    | ppbv   | 97       |
| 45) t-1,3-Dichloropropene     | 6.412  | 75    | 7027     | 0.963    | ppbv   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL121624\  
 Data File : VL041754.D  
 Acq On : 16 Dec 2024 14:34  
 Operator : SY/MD  
 Sample : VSTDICC001  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC001

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024  
 Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 06:13:31 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL121624AIR.M

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

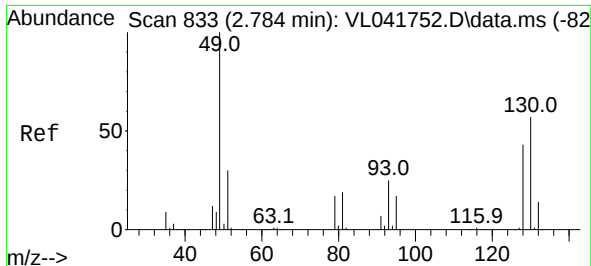
QLast Update : Thu Dec 19 06:09:59 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.593  | 75   | 8815m    | 0.952 | ppbv   |          |
| 47) 1,1,2-Trichloroethane     | 6.587  | 97   | 7189m    | 1.028 | ppbv   |          |
| 48) Dibromochloromethane      | 7.383  | 129  | 8817     | 0.924 | ppbv   | 97       |
| 49) Bromoform                 | 9.480  | 173  | 7073     | 0.905 | ppbv   | 96       |
| 50) 4-Methyl-2-Pentanone      | 5.761  | 43   | 20212    | 1.031 | ppbv   | 100      |
| 51) 2-Hexanone                | 7.441  | 43   | 16514    | 1.040 | ppbv # | 99       |
| 52) Tetrachloroethene         | 8.225  | 164  | 7067m    | 1.026 | ppbv   |          |
| 53) Toluene                   | 6.930  | 91   | 21594    | 1.029 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 7.648  | 107  | 9758     | 1.013 | ppbv   | 96       |
| 56) 1,1,1,2-Tetrachloroethane | 8.924  | 131  | 8643     | 1.005 | ppbv   | 93       |
| 57) Chlorobenzene             | 8.920  | 112  | 17500    | 1.054 | ppbv   | 97       |
| 58) Ethyl Benzene             | 9.351  | 91   | 29762    | 1.019 | ppbv   | 98       |
| 59) m/p-Xylene                | 9.529  | 91   | 47599m   | 2.026 | ppbv   |          |
| 60) o-Xylene                  | 9.963  | 91   | 24210    | 1.028 | ppbv   | 98       |
| 61) Styrene                   | 9.869  | 104  | 9707     | 0.953 | ppbv   | 100      |
| 62) Isopropylbenzene          | 10.539 | 105  | 36251    | 1.024 | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.963  | 83   | 14752    | 1.001 | ppbv   | 98       |
| 64) n-propylbenzene           | 10.985 | 120  | 9432     | 1.054 | ppbv   | 91       |
| 65) tert-Butylbenzene         | 11.529 | 119  | 32887    | 1.030 | ppbv   | 100      |
| 66) Benzyl Chloride           | 11.610 | 91   | 2518     | 0.894 | ppbv   | 97       |
| 67) sec-Butylbenzene          | 11.765 | 105  | 45015    | 1.019 | ppbv   | 98       |
| 69) p-Isopropyltoluene        | 11.924 | 119  | 36298    | 0.997 | ppbv   | 98       |
| 70) n-Butylbenzene            | 12.280 | 91   | 35432    | 1.007 | ppbv   | 98       |
| 71) 2-Chlorotoluene           | 10.901 | 91   | 27561    | 1.020 | ppbv   | 97       |
| 72) 4-Ethyltoluene            | 11.125 | 105  | 26921    | 0.970 | ppbv   | 98       |
| 73) 1,3,5-Trimethylbenzene    | 11.202 | 105  | 22360    | 0.969 | ppbv   | 95       |
| 74) 1,2,4-Trimethylbenzene    | 11.536 | 105  | 24654    | 0.994 | ppbv   | 98       |
| 75) 1,3-Dichlorobenzene       | 11.604 | 146  | 16476    | 1.042 | ppbv   | 100      |
| 76) 1,4-Dichlorobenzene       | 11.668 | 146  | 15774    | 1.010 | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 11.947 | 146  | 15866    | 1.043 | ppbv   | 97       |
| 78) Hexachloro-1,3-Butadiene  | 13.882 | 225  | 12266    | 1.087 | ppbv   | 97       |
| 79) Naphthalene               | 13.513 | 128  | 16971    | 0.982 | ppbv   | 96       |
| 80) Naphthalene,2-methyl-     | 14.458 | 142  | 1504     | 0.281 | ppbv # | 90       |
| 81) 1,2,4-Trichlorobenzene    | 13.439 | 180  | 8973     | 0.950 | ppbv   | 96       |

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





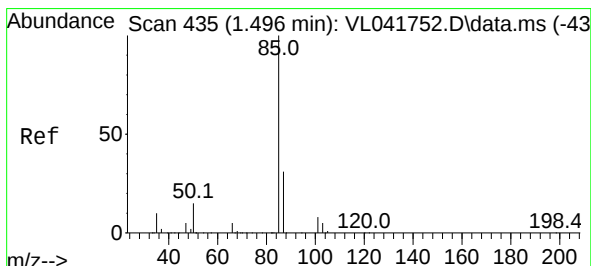
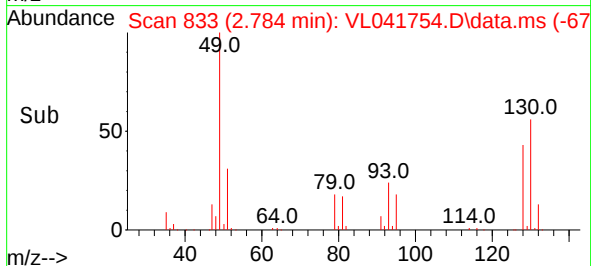
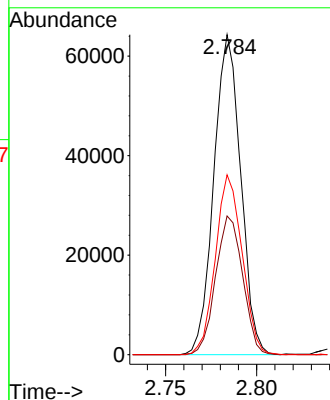
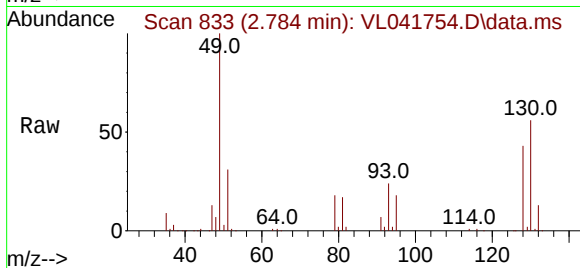
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Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.784 min Scan# 833  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

Tgt Ion: 49 Resp: 65928  
Ion Ratio Lower Upper  
49 100  
128 43.6 21.6 64.6  
130 56.0 28.3 85.0

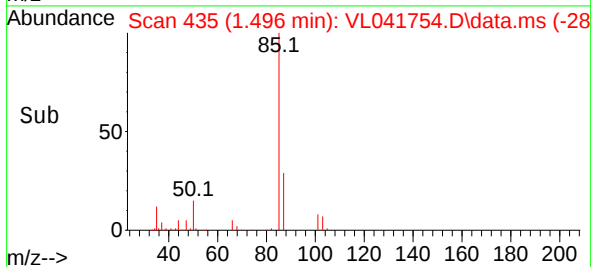
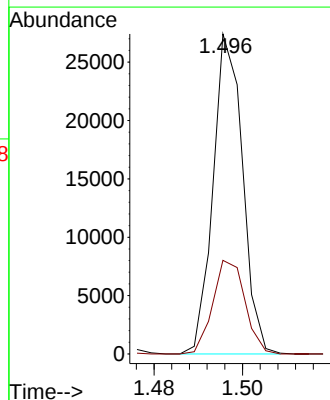
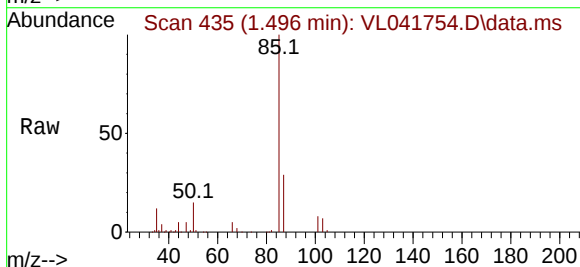
Manual Integrations  
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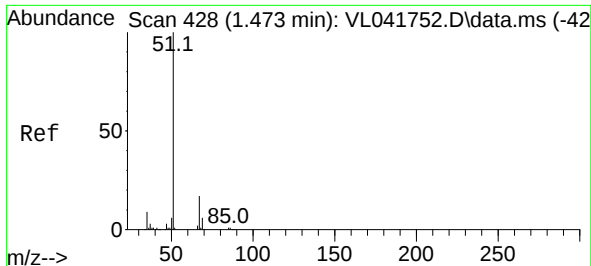
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#2  
Dichlorodifluoromethane  
Concen: 1.083 ppbv  
RT: 1.496 min Scan# 435  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

Tgt Ion: 85 Resp: 12706  
Ion Ratio Lower Upper  
85 100  
87 29.3 24.5 36.7





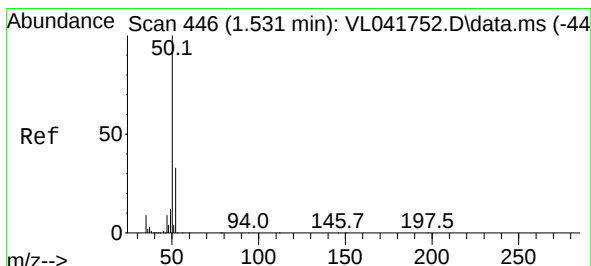
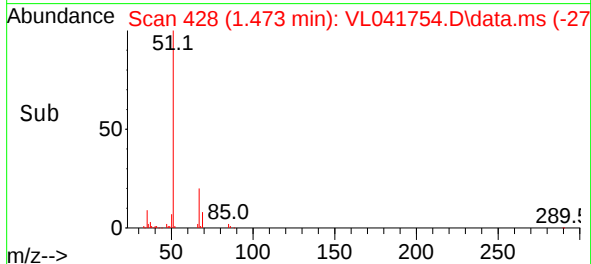
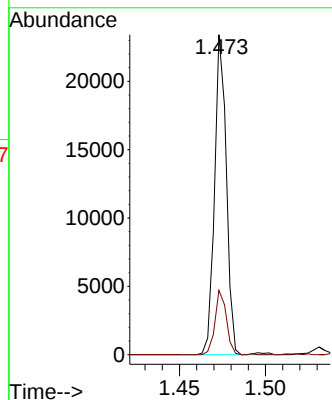
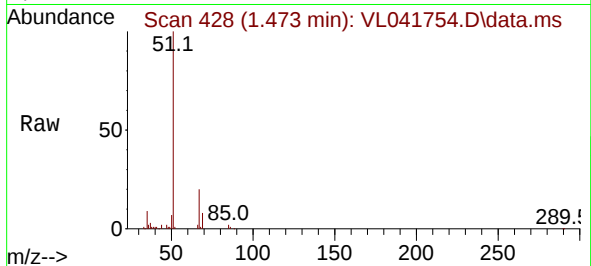
#3  
Chlorodifluoromethane  
Concen: 1.041 ppbv  
RT: 1.473 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

Tgt Ion: 51 Resp: 1118  
Ion Ratio Lower Upper  
51 100  
67 19.4 15.0 22.4

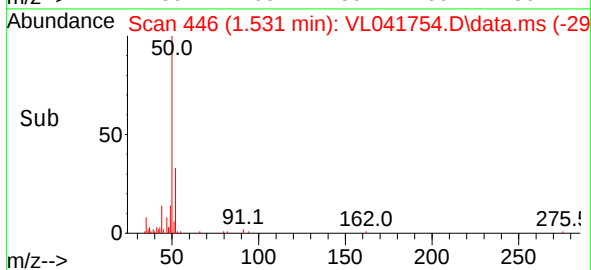
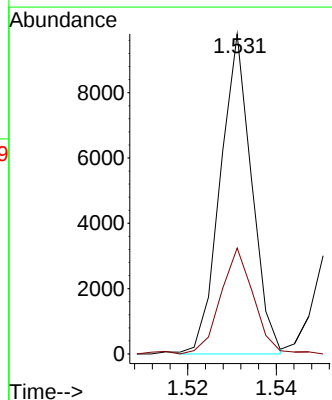
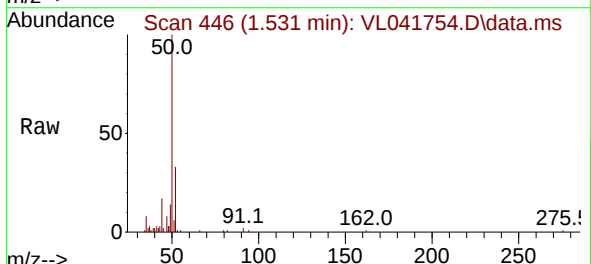
Manual Integrations  
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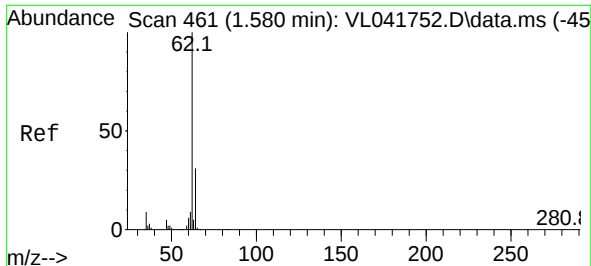
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#4  
Chloromethane  
Concen: 1.047 ppbv  
RT: 1.531 min Scan# 446  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

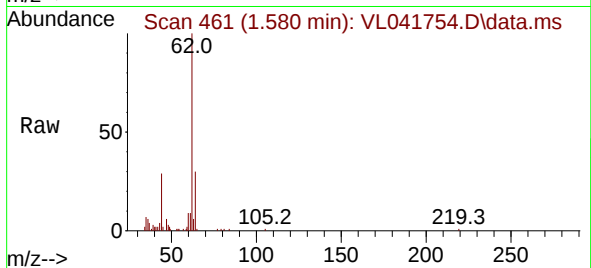
Tgt Ion: 50 Resp: 4805  
Ion Ratio Lower Upper  
50 100  
52 33.3 26.2 39.2





#5  
 Vinyl Chloride  
 Concen: 0.990 ppbv  
 RT: 1.580 min Scan# 458  
 Delta R.T. -0.000 min  
 Lab File: VL041754.D  
 Acq: 16 Dec 2024 14:34

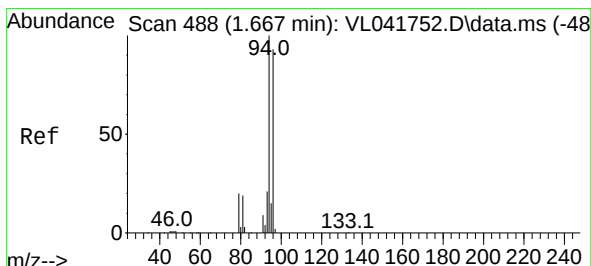
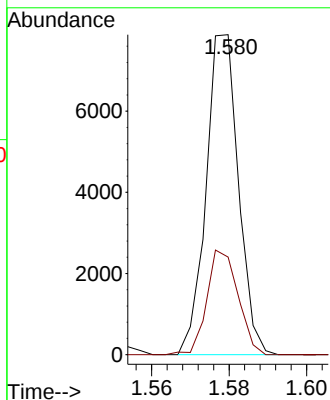
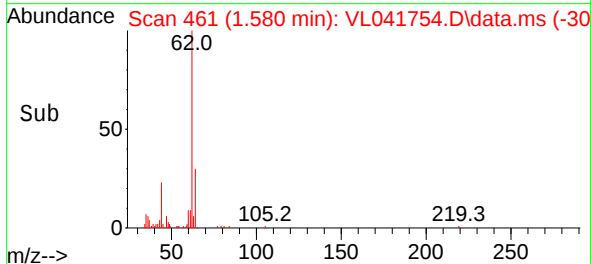
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC001



Tgt Ion: 62 Resp: 4580  
 Ion Ratio Lower Upper  
 62 100  
 64 30.5 25.1 37.7

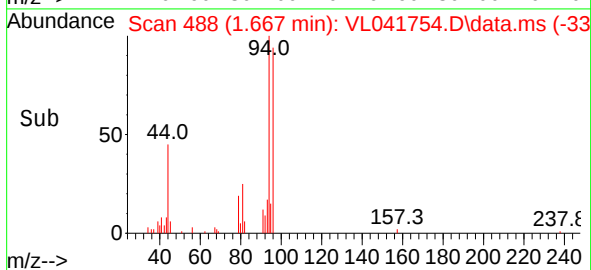
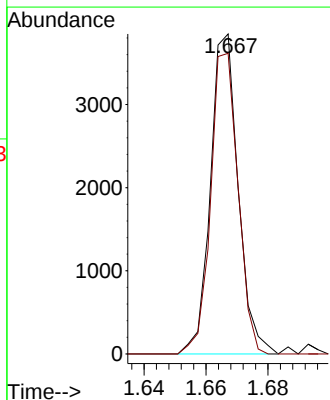
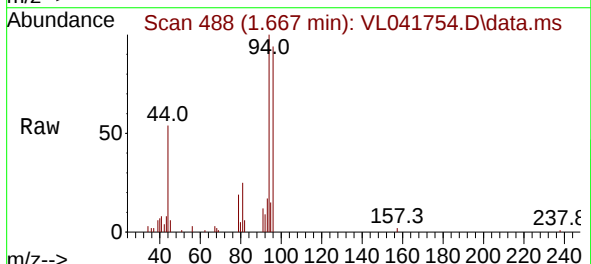
Manual Integrations  
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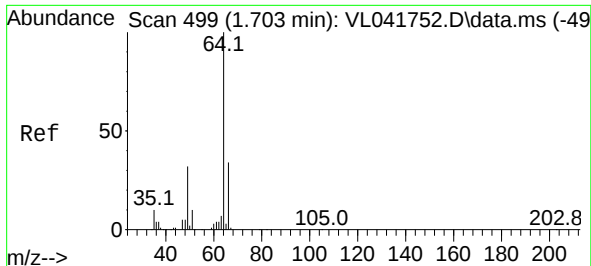
Reviewed By :Semsettin Yesilyurt 12/20/2024  
 Supervised By :Mahesh Dadoda 12/20/2024



#6  
 Bromomethane  
 Concen: 1.097 ppbv  
 RT: 1.667 min Scan# 488  
 Delta R.T. -0.000 min  
 Lab File: VL041754.D  
 Acq: 16 Dec 2024 14:34

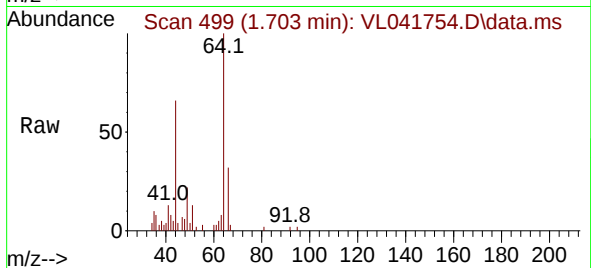
Tgt Ion: 94 Resp: 2394  
 Ion Ratio Lower Upper  
 94 100  
 96 94.0 74.7 112.1





#7  
Chloroethane  
Concen: 0.981 ppbv  
RT: 1.703 min Scan# 499  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

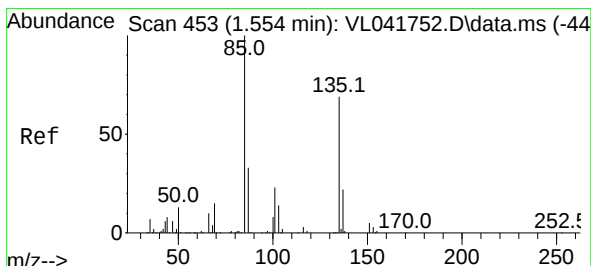
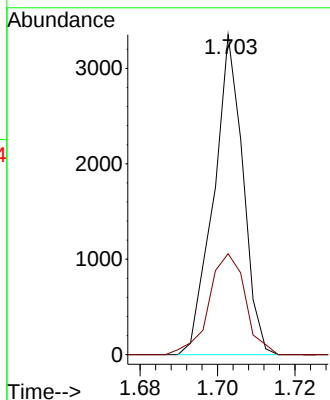
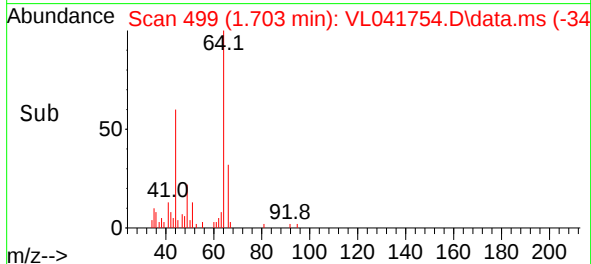
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



Tgt Ion: 64 Resp: 1763  
Ion Ratio Lower Upper  
64 100  
66 31.5 27.5 41.3

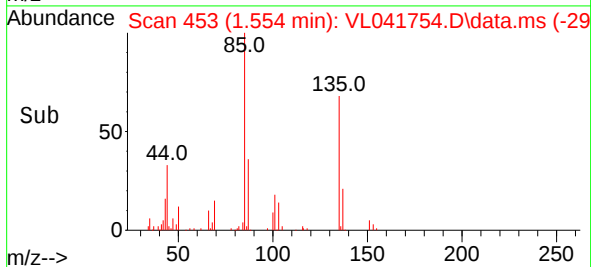
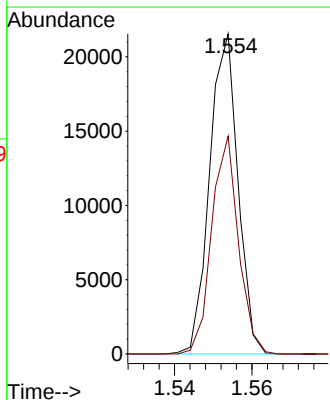
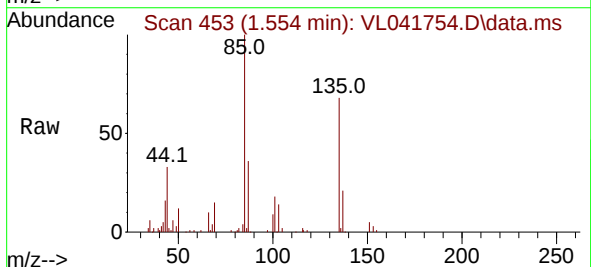
Manual Integrations  
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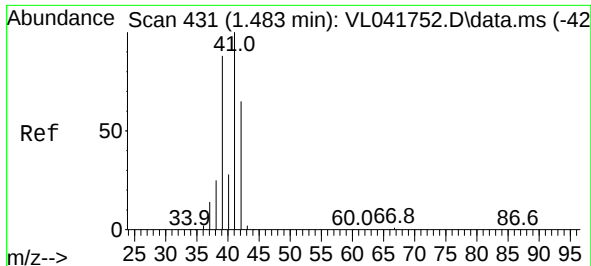
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#8  
Dichlorotetrafluoroethane  
Concen: 1.042 ppbv  
RT: 1.554 min Scan# 453  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

Tgt Ion: 85 Resp: 10938  
Ion Ratio Lower Upper  
85 100  
135 64.3 51.9 77.9





#9

Propene

Concen: 1.039 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC001

Tgt Ion: 41 Resp: 4840

Ion Ratio Lower Upper

41 100

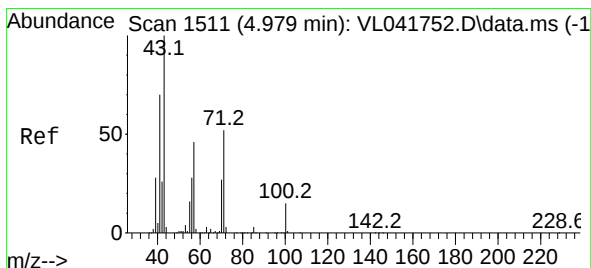
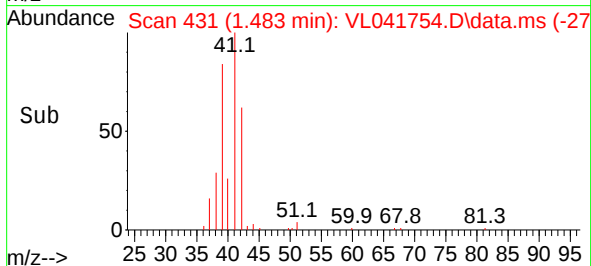
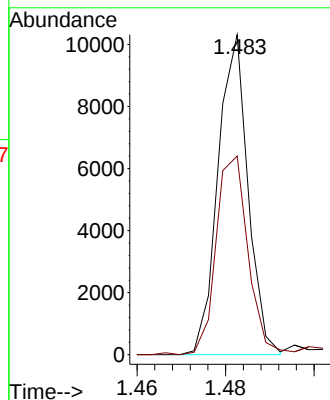
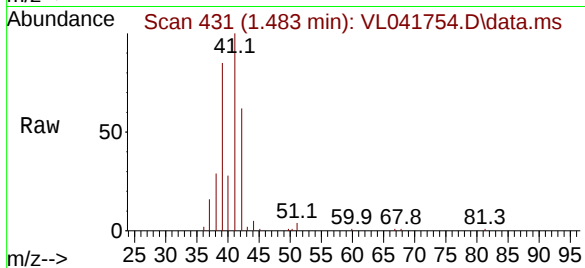
42 70.4 52.4 78.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#10

Heptane

Concen: 1.003 ppbv

RT: 4.972 min Scan# 1509

Delta R.T. -0.007 min

Lab File: VL041754.D

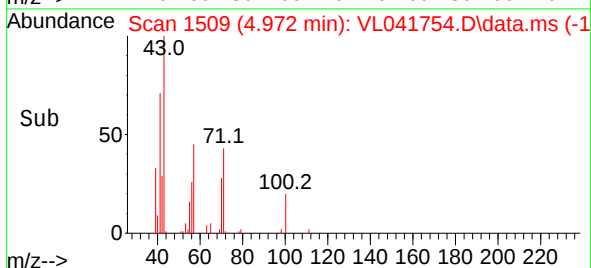
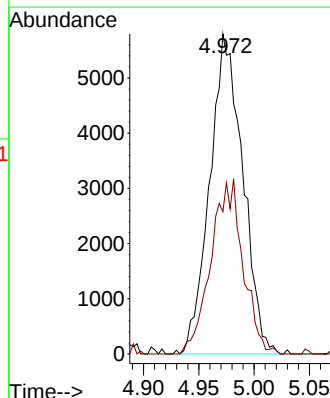
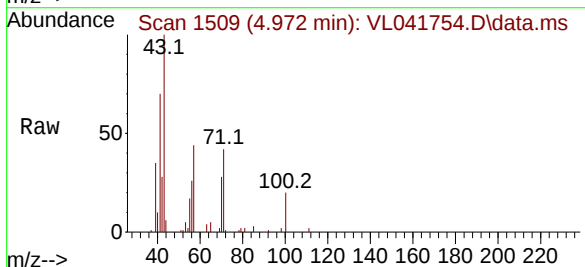
Acq: 16 Dec 2024 14:34

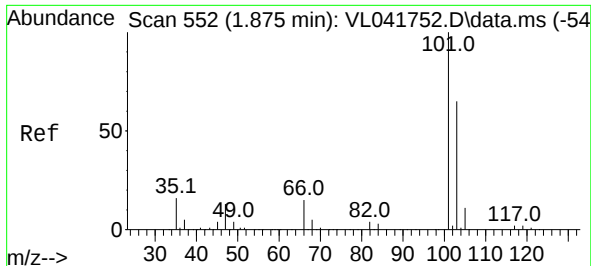
Tgt Ion: 43 Resp: 12004

Ion Ratio Lower Upper

43 100

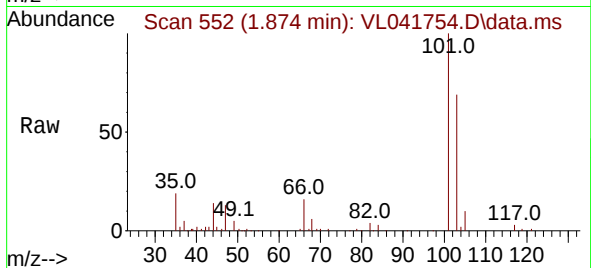
57 53.0 38.5 57.7





#11  
 Trichlorofluoromethane  
 Concen: 1.013 ppbv  
 RT: 1.874 min Scan# 552  
 Delta R.T. -0.000 min  
 Lab File: VL041754.D  
 Acq: 16 Dec 2024 14:34

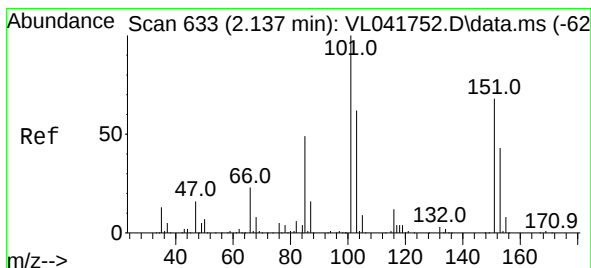
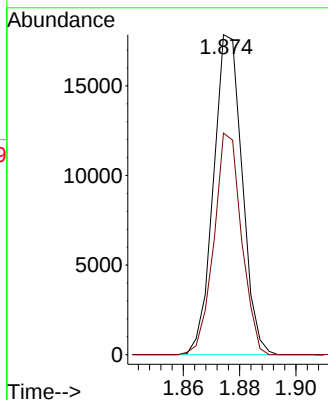
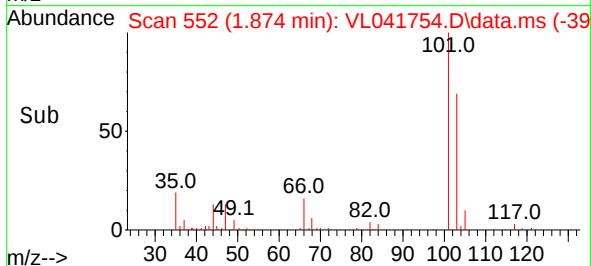
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC001



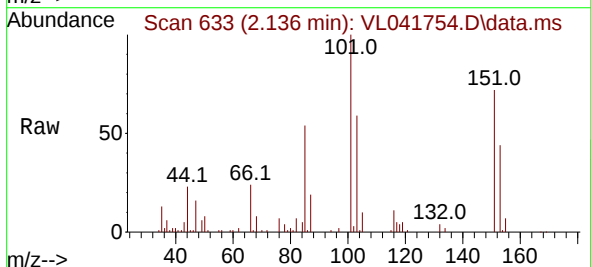
Tgt Ion:101 Resp: 12624  
 Ion Ratio Lower Upper  
 101 100  
 103 69.3 51.8 77.8

Manual Integrations  
 APPROVED

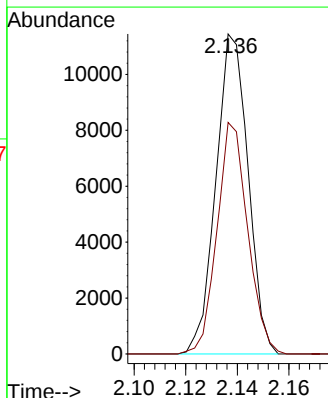
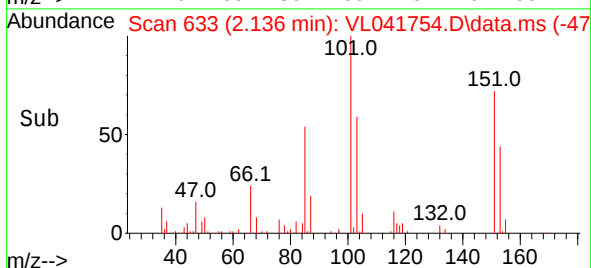
Reviewed By :Semsettin Yesilyurt 12/20/2024  
 Supervised By :Mahesh Dadoda 12/20/2024

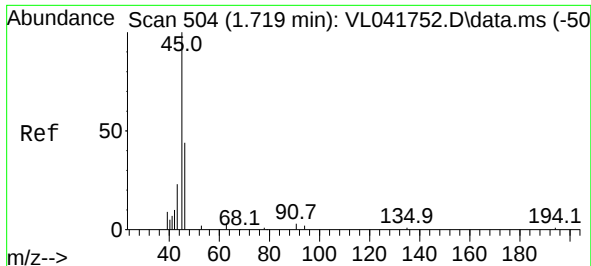


#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 1.046 ppbv  
 RT: 2.136 min Scan# 633  
 Delta R.T. -0.000 min  
 Lab File: VL041754.D  
 Acq: 16 Dec 2024 14:34



Tgt Ion:101 Resp: 9915  
 Ion Ratio Lower Upper  
 101 100  
 151 69.1 56.8 85.2





#13

Ethanol

Concen: 1.355 ppbv m

RT: 1.719 min Scan# 504

Delta R.T. -0.000 min

Lab File: VL041754.D

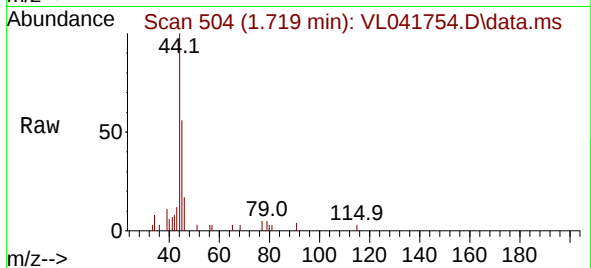
Acq: 16 Dec 2024 14:34

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC001



Tgt Ion: 45 Resp: 529

Ion Ratio Lower Upper

45 100

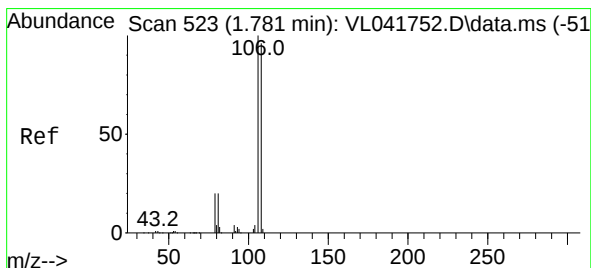
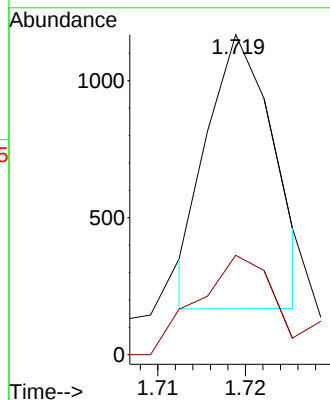
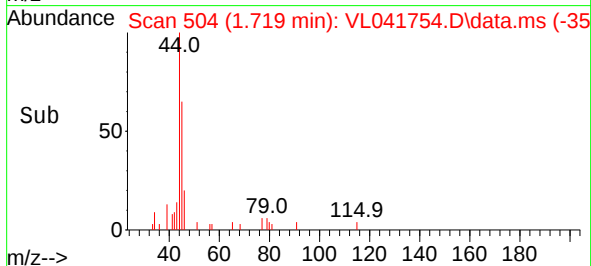
46 67.0 16.4 65.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#14

Bromoethene

Concen: 0.984 ppbv

RT: 1.780 min Scan# 523

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

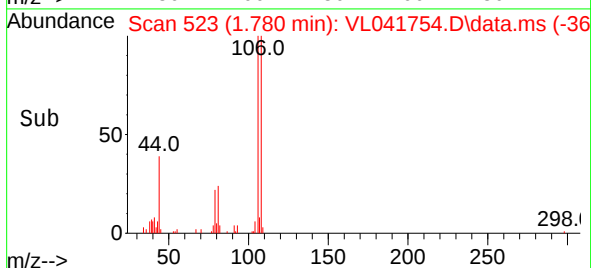
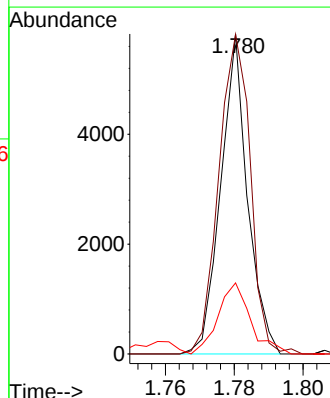
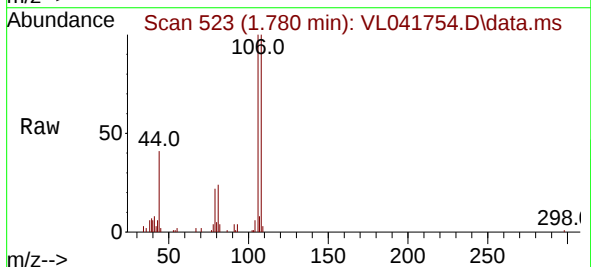
Tgt Ion:108 Resp: 3148

Ion Ratio Lower Upper

108 100

106 117.5 84.1 126.1

79 32.4 17.4 26.0





#15

Acetone

Concen: 1.174 ppbv

RT: 1.832 min Scan# 539

Delta R.T. -0.000 min

Lab File: VL041754.D

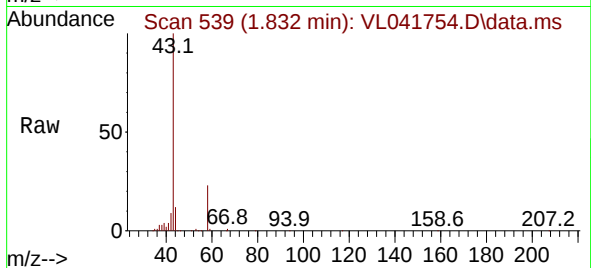
Acq: 16 Dec 2024 14:34

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC001



Tgt Ion: 43 Resp: 15060

Ion Ratio Lower Upper

43 100

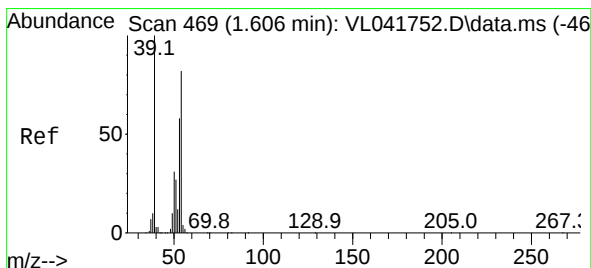
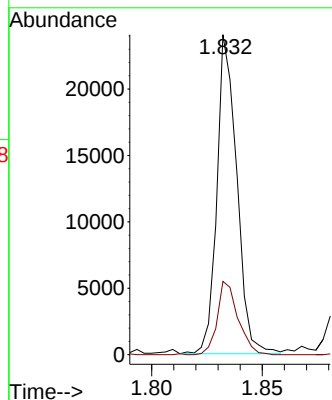
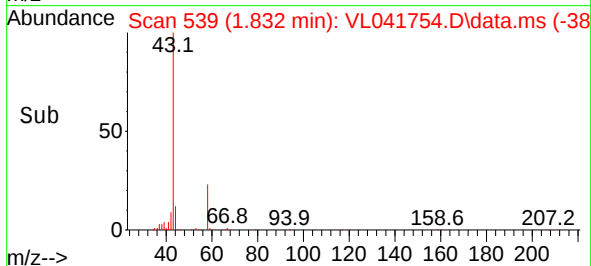
58 24.0 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#16

1,3-Butadiene

Concen: 1.017 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL041754.D

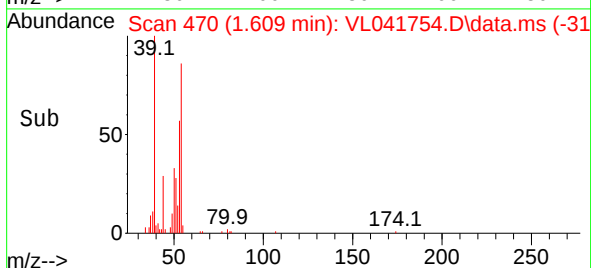
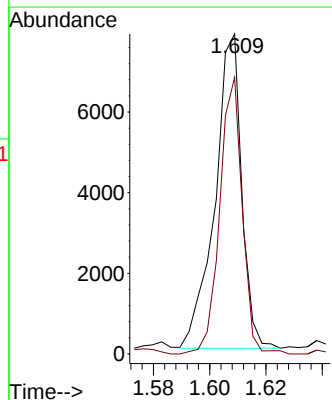
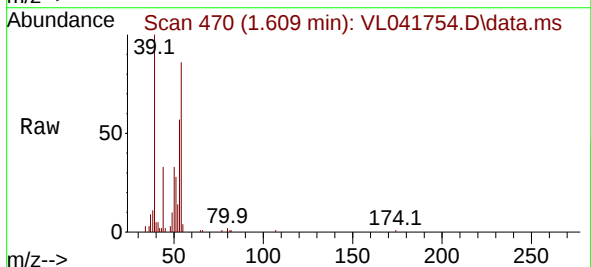
Acq: 16 Dec 2024 14:34

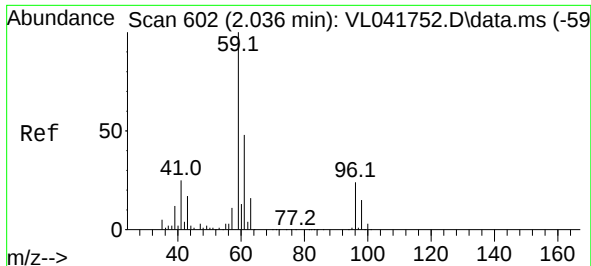
Tgt Ion: 39 Resp: 5137

Ion Ratio Lower Upper

39 100

54 77.0 58.4 87.6





#17

tert-Butyl alcohol

Concen: 1.048 ppbv

RT: 2.039 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC001

Tgt Ion: 59 Resp: 1334

Ion Ratio Lower Upper

59 100

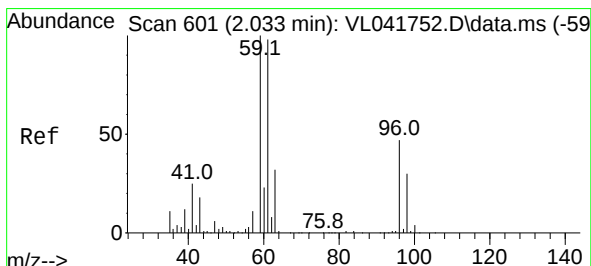
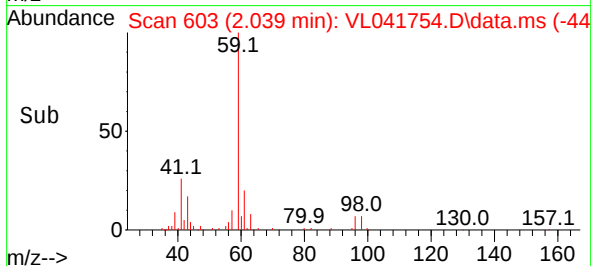
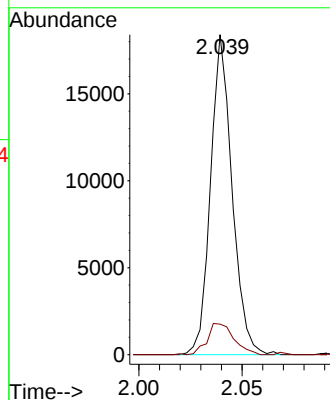
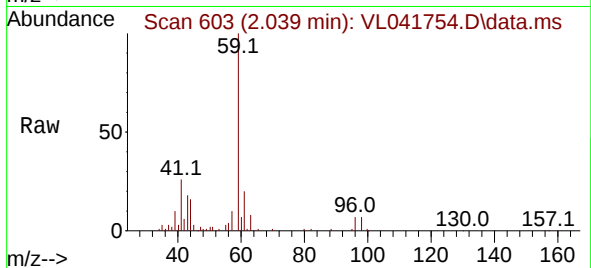
57 12.4 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#18

1,1-Dichloroethene

Concen: 1.042 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

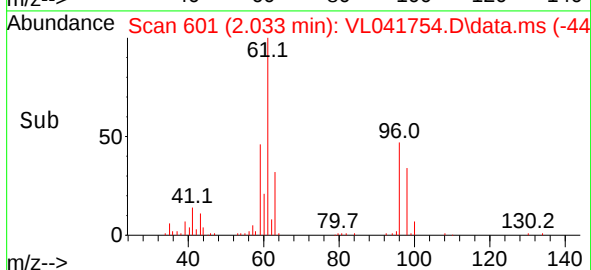
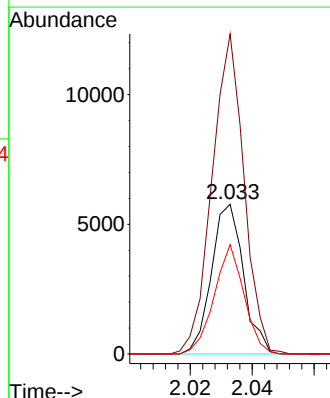
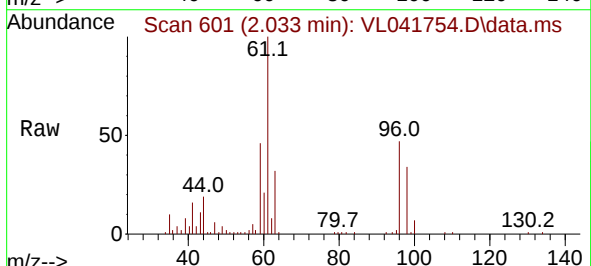
Tgt Ion: 96 Resp: 4139

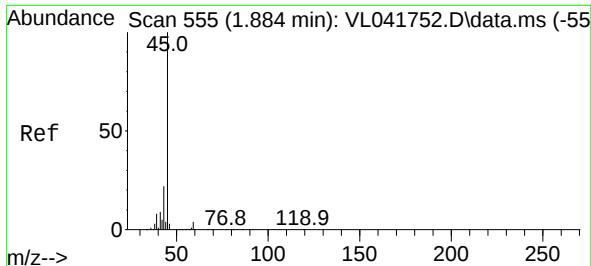
Ion Ratio Lower Upper

96 100

61 212.1 167.7 251.5

98 73.0 51.1 76.7





#19

Isopropyl Alcohol

Concen: 1.131 ppbv

RT: 1.884 min Scan# 555

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC001

Tgt Ion: 45 Resp: 8700

Ion Ratio Lower Upper

45 100

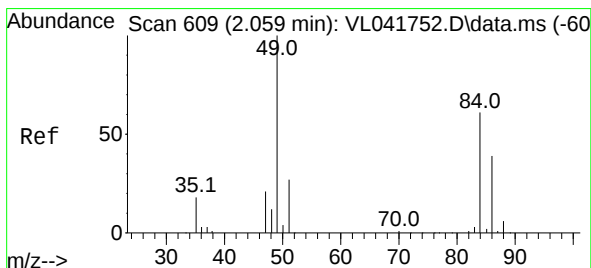
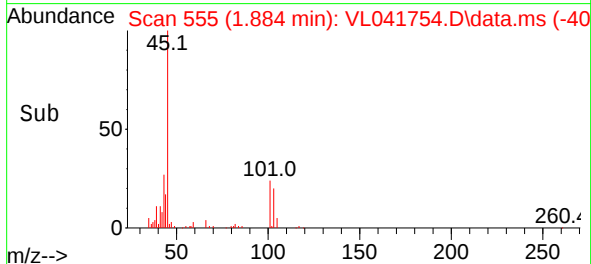
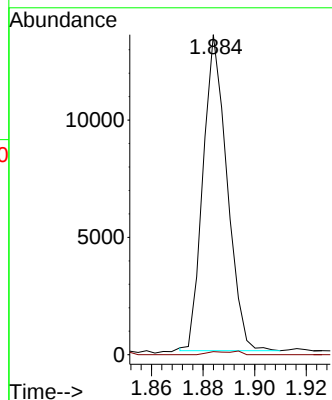
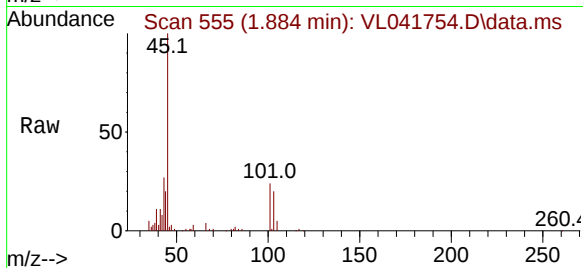
58 41.5 33.3 49.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#20

Methylene Chloride

Concen: 1.057 ppbv

RT: 2.059 min Scan# 609

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Tgt Ion: 84 Resp: 3868

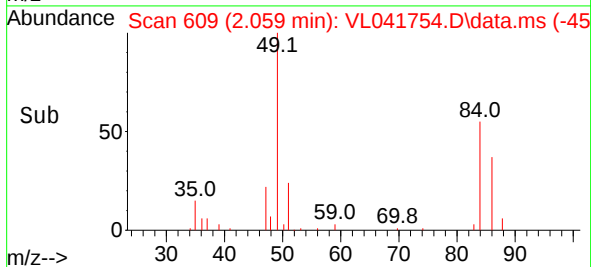
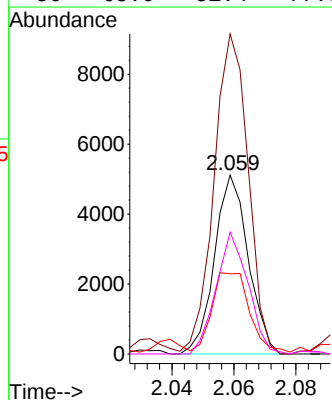
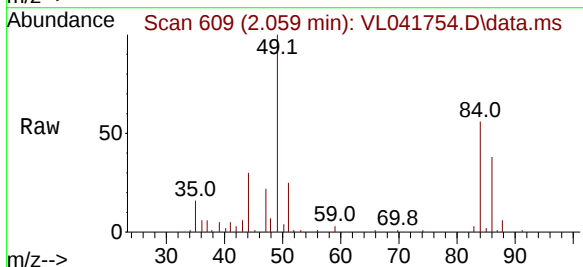
Ion Ratio Lower Upper

84 100

49 178.8 132.6 198.8

51 41.9 37.6 56.4

86 68.0 51.4 77.0





#21

Allyl Chloride

Concen: 1.067 ppbv

RT: 2.094 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA\_L

ClientSampleId :

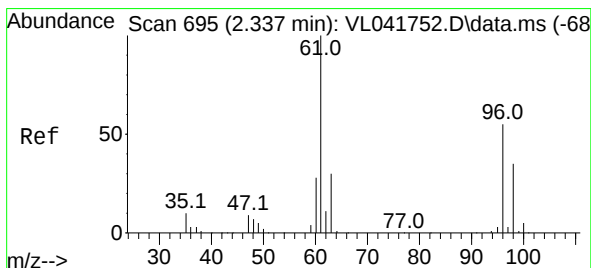
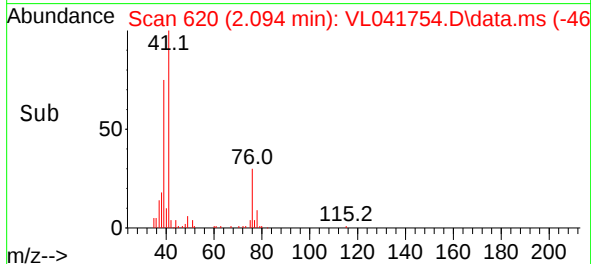
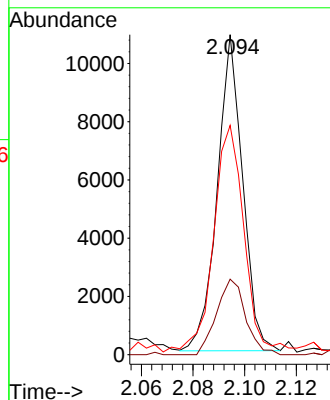
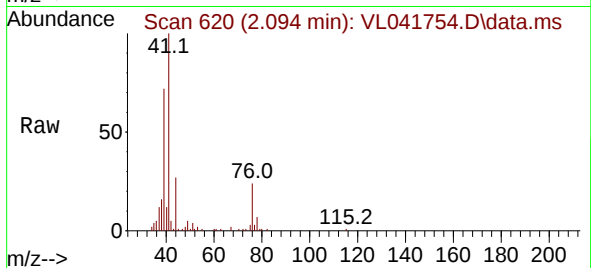
VSTDICC001

|             |                 |
|-------------|-----------------|
| Tgt Ion: 41 | Resp: 742       |
| Ion Ratio   | Lower Upper     |
| 41          | 100             |
| 76          | 27.2 22.3 33.5  |
| 39          | 84.3 69.2 103.8 |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#22

trans-1,2-Dichloroethene

Concen: 1.011 ppbv

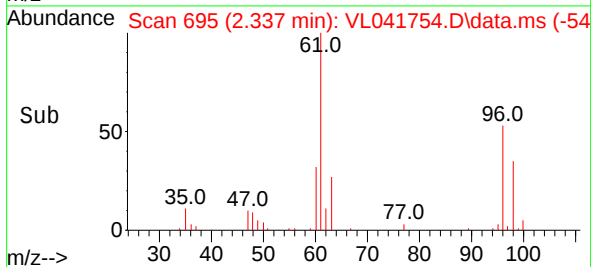
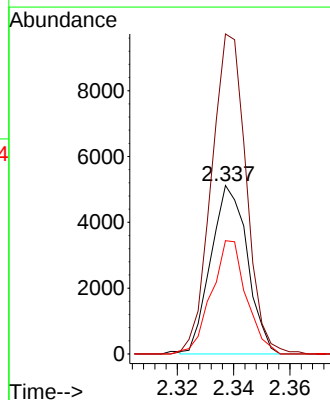
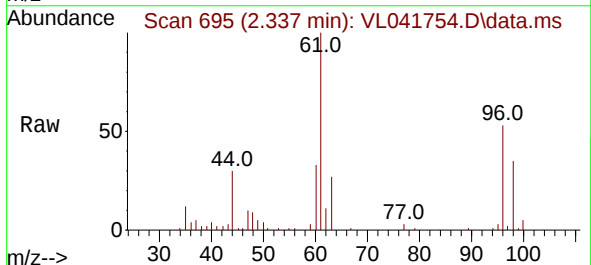
RT: 2.337 min Scan# 695

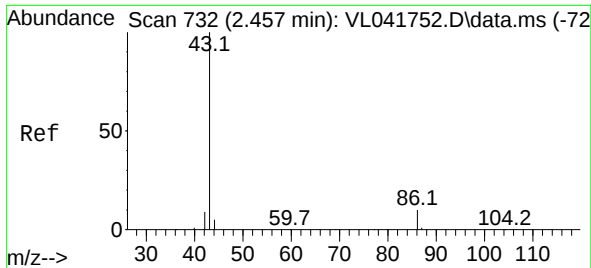
Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

|             |                   |
|-------------|-------------------|
| Tgt Ion: 96 | Resp: 4599        |
| Ion Ratio   | Lower Upper       |
| 96          | 100               |
| 61          | 188.9 146.3 219.5 |
| 98          | 67.3 50.8 76.2    |





#23  
 Vinyl Acetate  
 Concen: 0.959 ppbv  
 RT: 2.460 min Scan# 716  
 Delta R.T. 0.003 min  
 Lab File: VL041754.D  
 Acq: 16 Dec 2024 14:34

Instrument :

MSVOA\_L

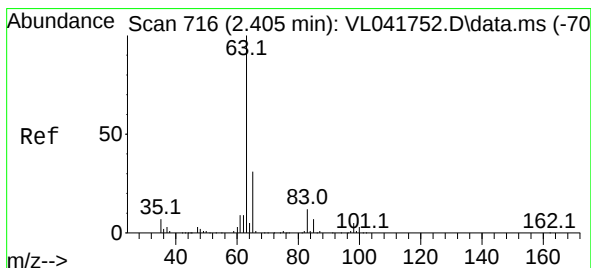
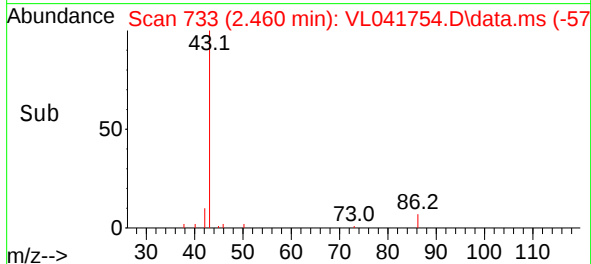
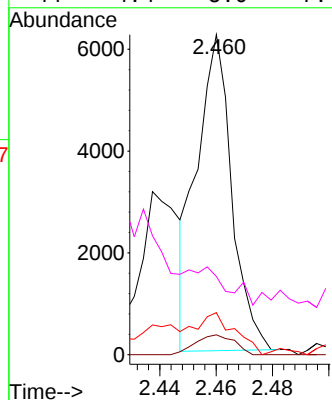
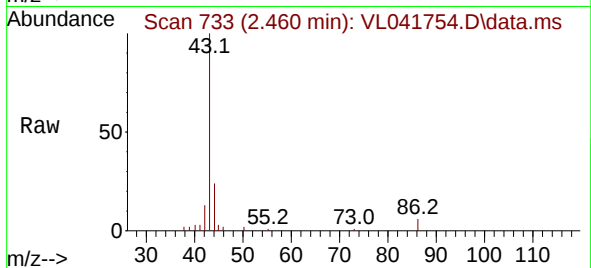
ClientSampleId :

VSTDICC001

Tgt Ion: 43 Resp: 5349  
 Ion Ratio Lower Upper  
 43 100  
 86 6.3 6.6 10.0  
 42 11.4 8.2 12.2  
 44 4.4 5.0 7.4#

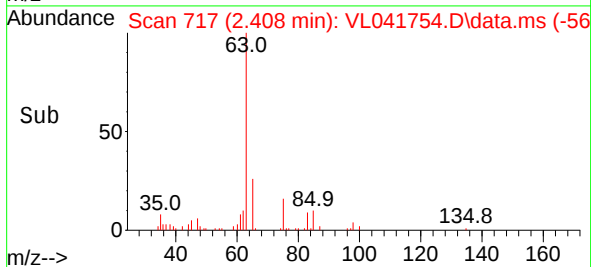
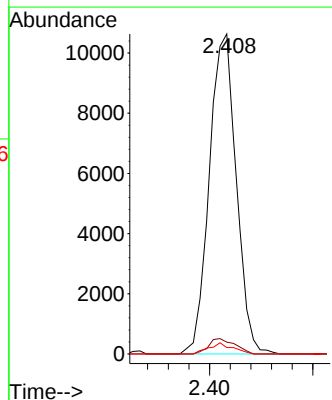
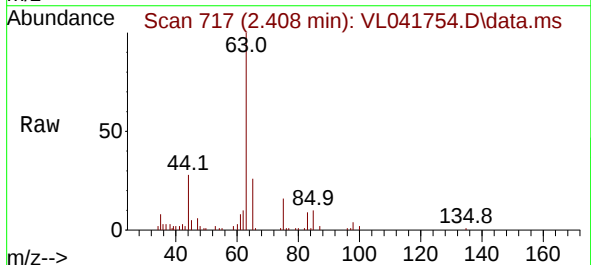
Manual Integrations  
 APPROVED

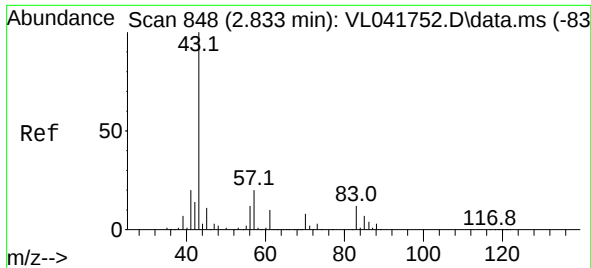
Reviewed By :Semsettin Yesilyurt 12/20/2024  
 Supervised By :Mahesh Dadoda 12/20/2024



#24  
 1,1-Dichloroethane  
 Concen: 1.045 ppbv  
 RT: 2.408 min Scan# 717  
 Delta R.T. 0.003 min  
 Lab File: VL041754.D  
 Acq: 16 Dec 2024 14:34

Tgt Ion: 63 Resp: 9621  
 Ion Ratio Lower Upper  
 63 100  
 98 3.7 2.3 6.8  
 100 2.0 1.4 4.2





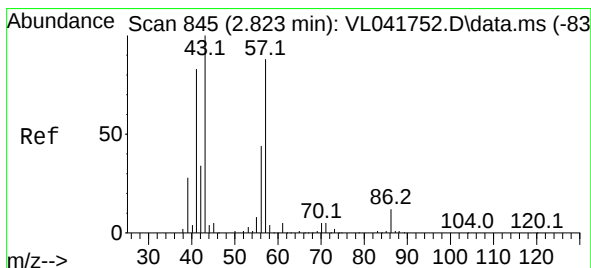
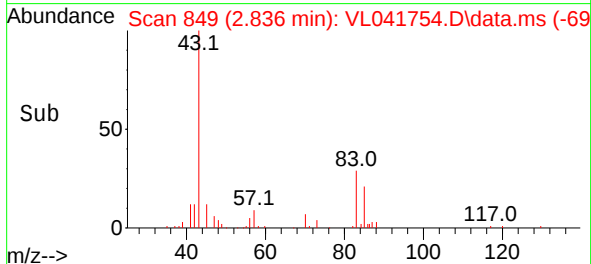
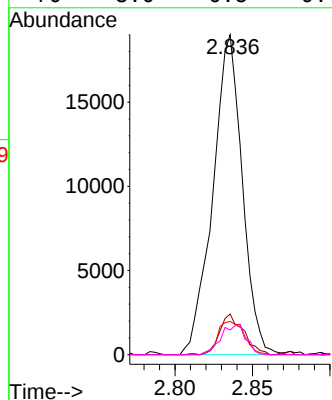
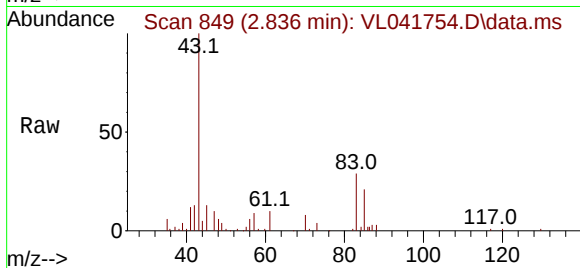
#25  
Ethyl Acetate  
Concen: 1.049 ppbv  
RT: 2.836 min Scan# 848  
Delta R.T. 0.003 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 2514  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 45 10.7     | 8.1 12.1    |
| 61 9.3      | 7.0 10.6    |
| 70 8.0      | 6.5 9.7     |

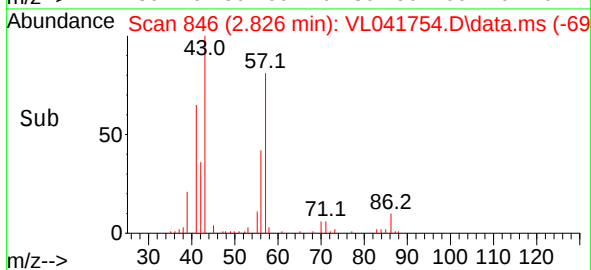
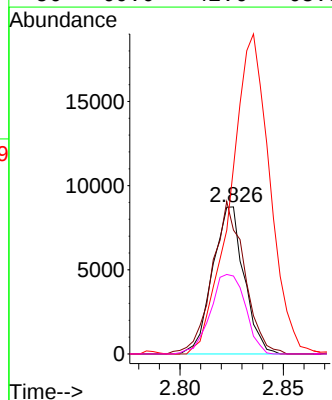
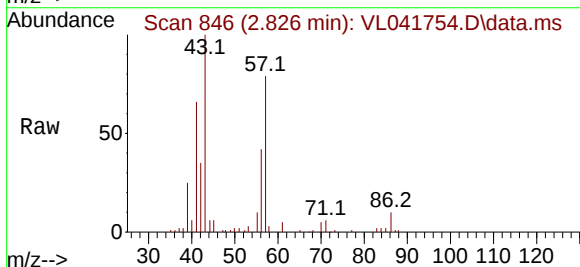
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#26  
Hexane  
Concen: 1.021 ppbv  
RT: 2.826 min Scan# 846  
Delta R.T. 0.003 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

|             |             |
|-------------|-------------|
| Tgt Ion: 57 | Resp: 9250  |
| Ion Ratio   | Lower Upper |
| 57 100      |             |
| 41 105.9    | 79.6 119.4  |
| 43 274.5    | 211.0 316.6 |
| 56 60.0     | 42.6 63.8   |





#27

Carbon Disulfide

Concen: 0.999 ppbv

RT: 2.149 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC001

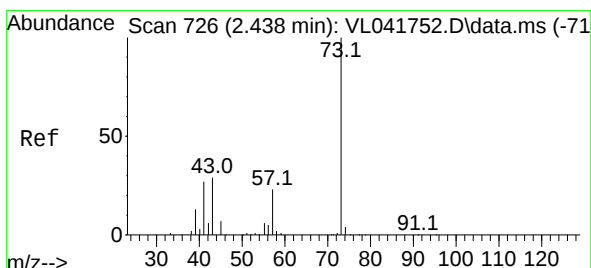
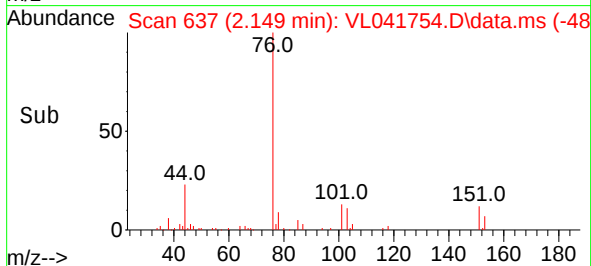
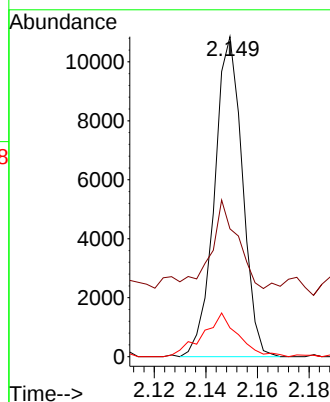
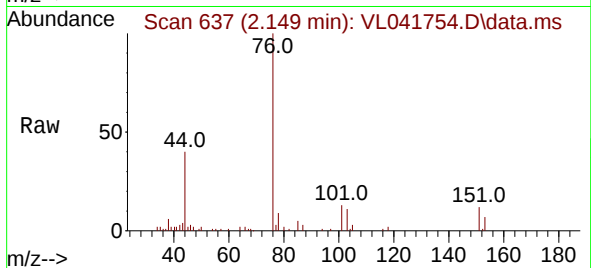
Tgt Ion: 76 Resp: 815

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 44  | 79.9  | 17.6  | 26.4  |
| 78  | 17.6  | 10.2  | 15.4  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#28

Methyl tert-Butyl Ether

Concen: 1.162 ppbv

RT: 2.441 min Scan# 727

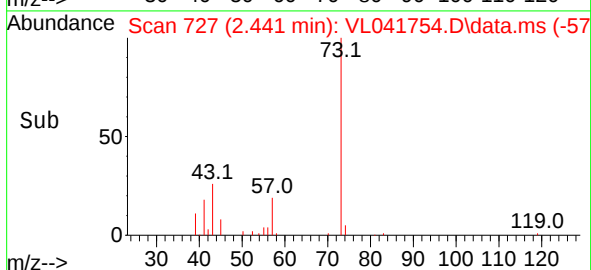
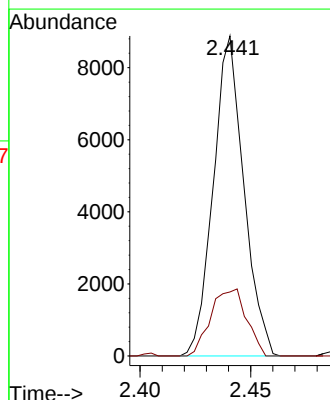
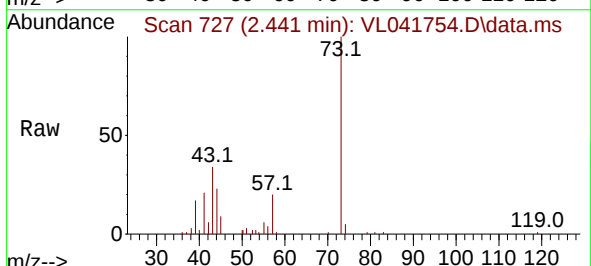
Delta R.T. 0.003 min

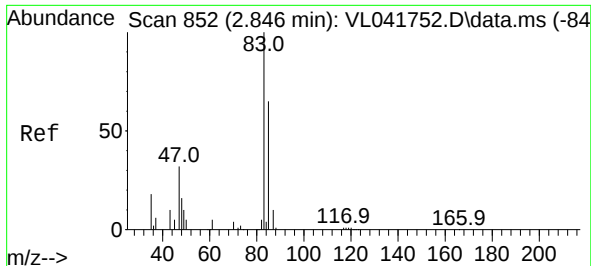
Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Tgt Ion: 73 Resp: 8539

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 57  | 24.7  | 17.6  | 26.4  |





#29

Chloroform

Concen: 1.042 ppbv

RT: 2.845 min Scan# 852

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC001

Tgt Ion: 83 Resp: 14384

Ion Ratio Lower Upper

83 100

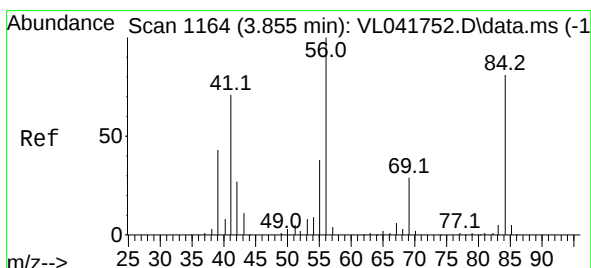
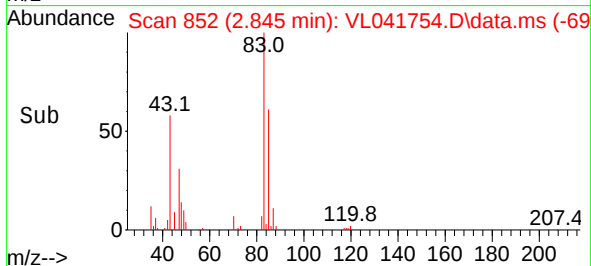
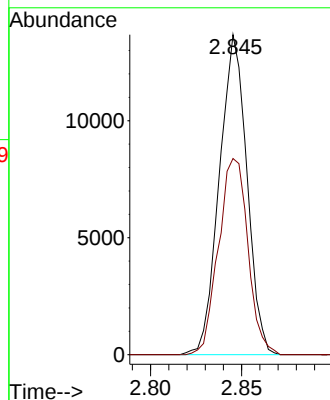
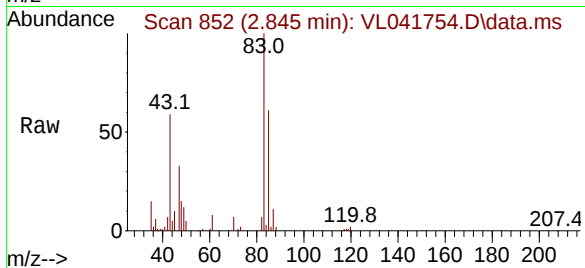
85 61.3 51.8 77.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#30

Cyclohexane

Concen: 1.015 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.004 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

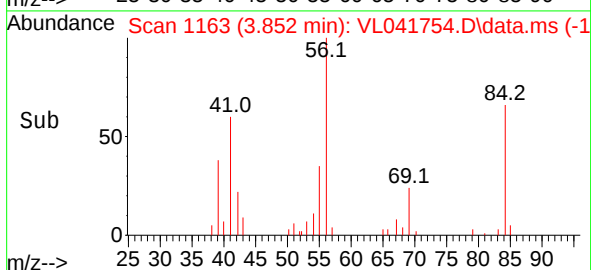
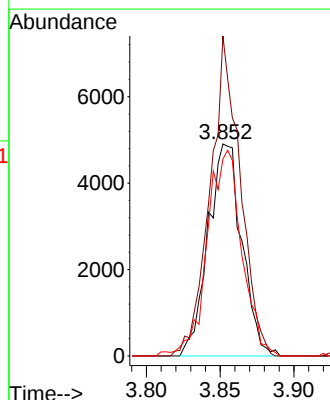
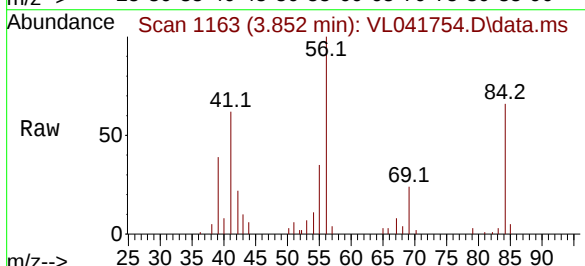
Tgt Ion: 84 Resp: 7824

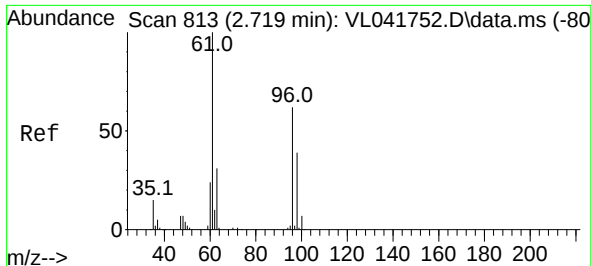
Ion Ratio Lower Upper

84 100

56 134.4 102.3 153.5

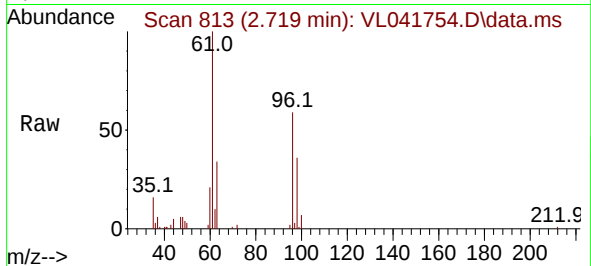
41 99.6 74.0 111.0





#31  
 cis-1,2-Dichloroethene  
 Concen: 1.070 ppbv  
 RT: 2.719 min Scan# 813  
 Delta R.T. -0.000 min  
 Lab File: VL041754.D  
 Acq: 16 Dec 2024 14:34

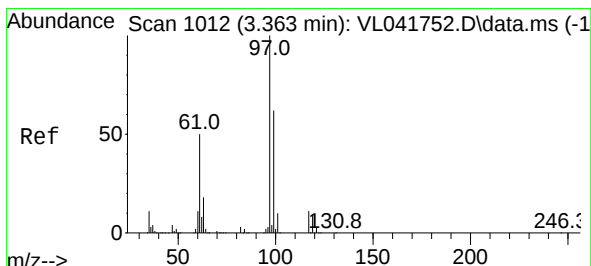
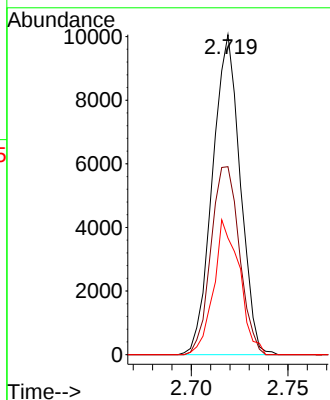
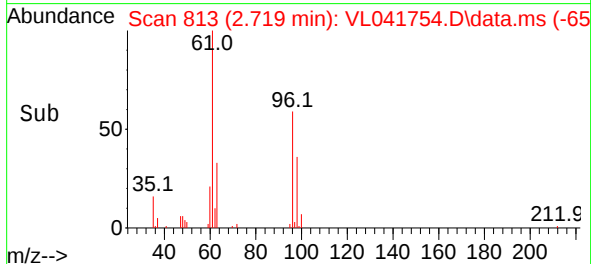
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC001



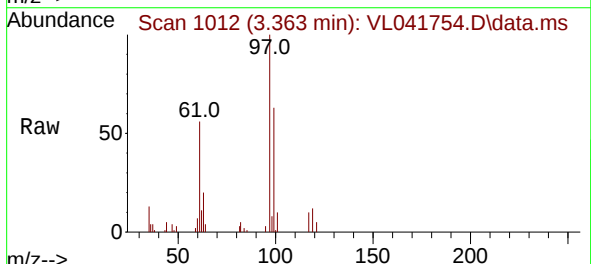
Tgt Ion: 61 Resp: 1001  
 Ion Ratio Lower Upper  
 61 100  
 96 58.7 49.7 74.5  
 98 36.5 30.8 46.2

Manual Integrations  
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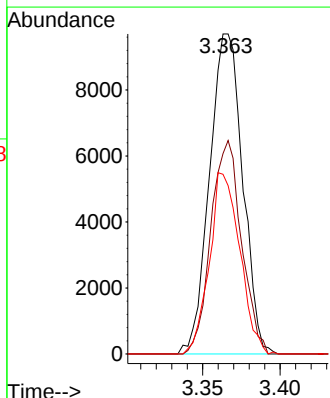
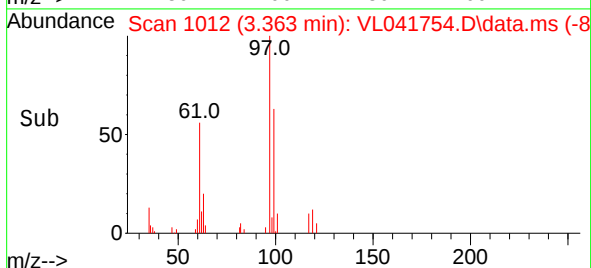
Reviewed By :Semsettin Yesilyurt 12/20/2024  
 Supervised By :Mahesh Dadoda 12/20/2024

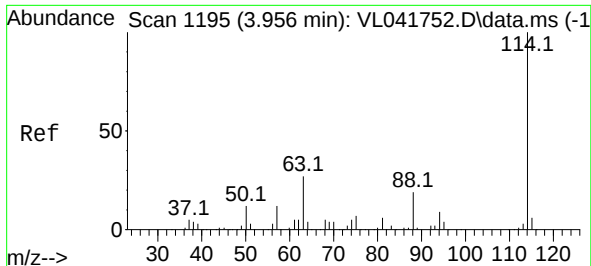


#32  
 1,1,1-Trichloroethane  
 Concen: 1.049 ppbv  
 RT: 3.363 min Scan# 1012  
 Delta R.T. -0.000 min  
 Lab File: VL041754.D  
 Acq: 16 Dec 2024 14:34



Tgt Ion: 97 Resp: 14415  
 Ion Ratio Lower Upper  
 97 100  
 99 61.7 51.0 76.4  
 61 52.0 42.2 63.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA\_L

ClientSampleId :

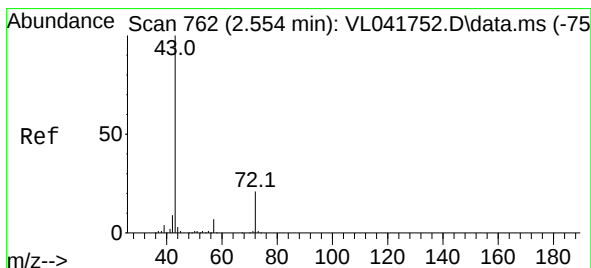
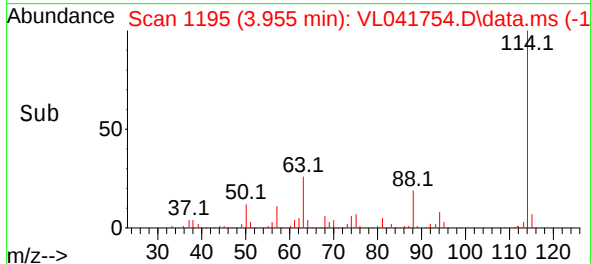
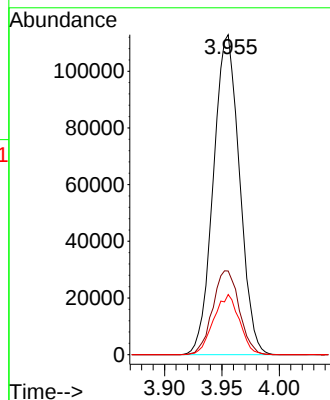
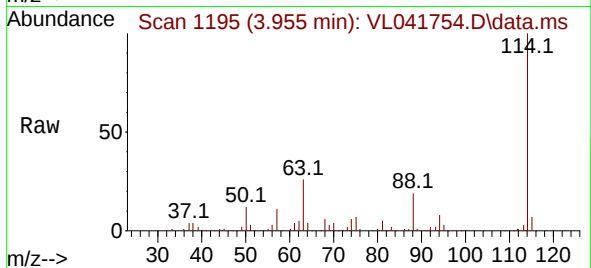
VSTDICC001

Tgt Ion:114 Resp: 178920  
 Ion Ratio Lower Upper  
 114 100  
 63 26.7 21.8 32.8  
 88 18.6 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024  
 Supervised By :Mahesh Dadoda 12/20/2024



#34

2-Butanone

Concen: 1.019 ppbv

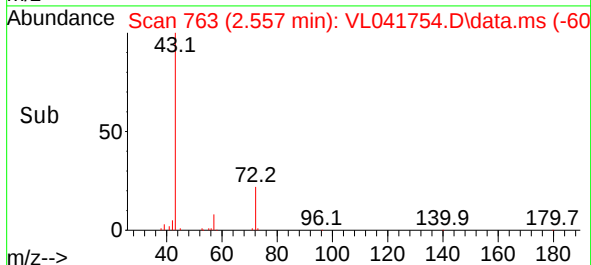
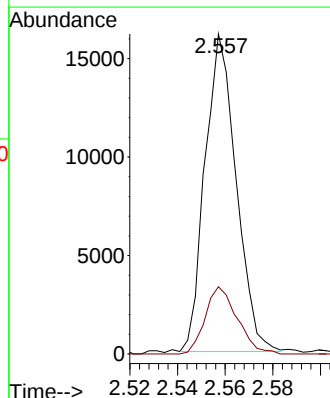
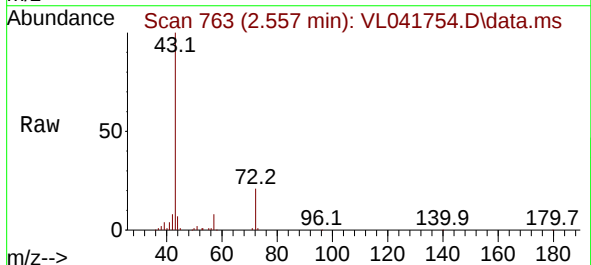
RT: 2.557 min Scan# 763

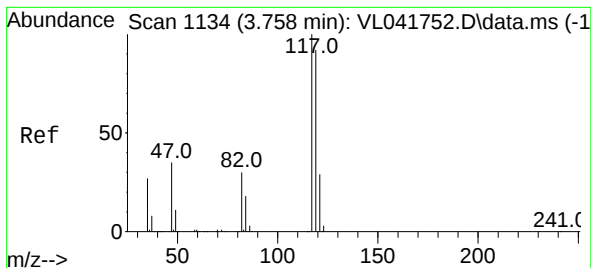
Delta R.T. 0.003 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Tgt Ion: 43 Resp: 14673  
 Ion Ratio Lower Upper  
 43 100  
 72 21.7 16.8 25.2





#35

Carbon Tetrachloride

Concen: 1.008 ppbv m

RT: 3.761 min Scan# 1135

Delta R.T. 0.003 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC001

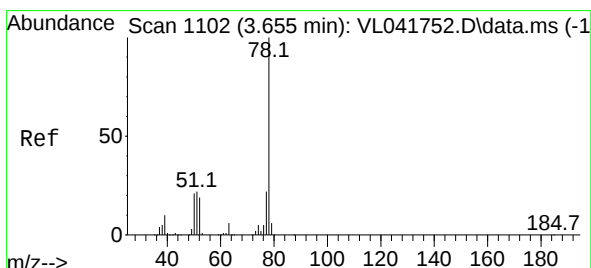
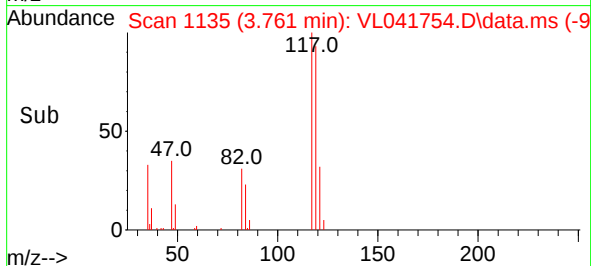
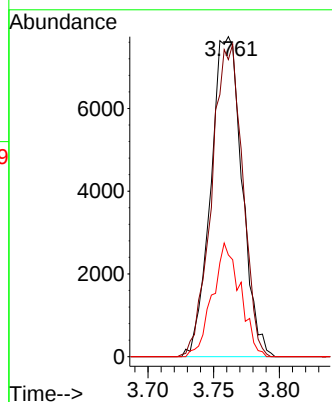
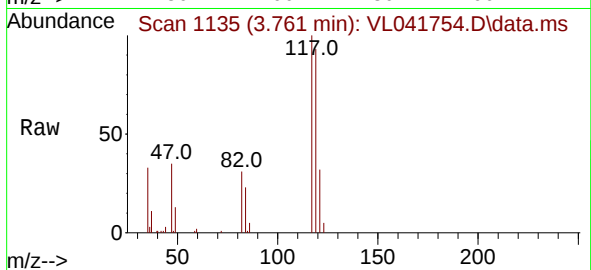
Tgt Ion:117 Resp: 12800

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 92.9  | 73.7  | 110.5 |
| 121 | 31.8  | 23.0  | 34.4  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#36

Benzene

Concen: 1.044 ppbv

RT: 3.651 min Scan# 1101

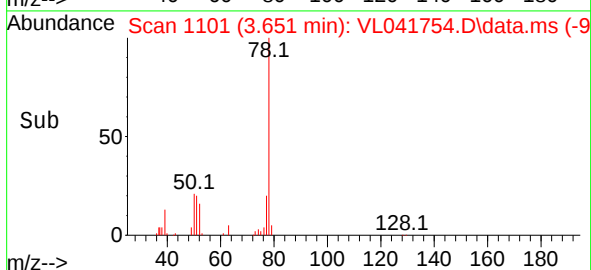
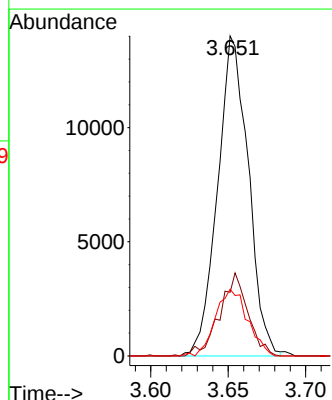
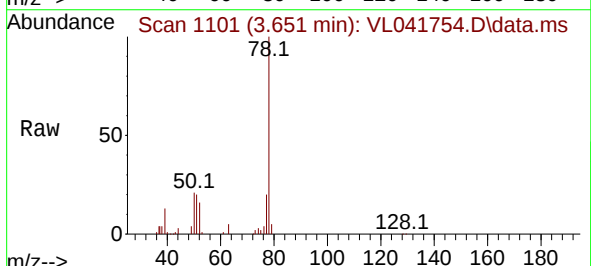
Delta R.T. -0.004 min

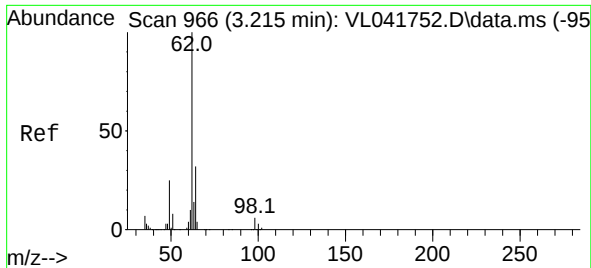
Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Tgt Ion: 78 Resp: 19331

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 78  | 100   |       |       |
| 77  | 19.9  | 17.8  | 26.6  |
| 50  | 20.8  | 17.2  | 25.8  |





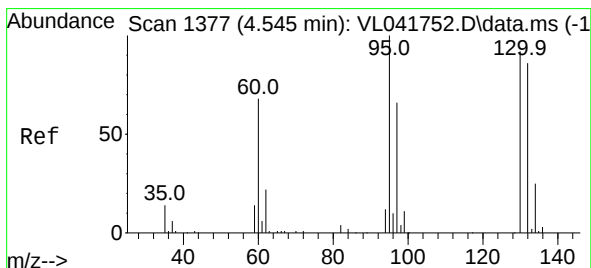
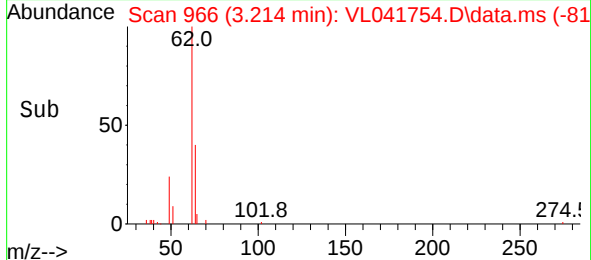
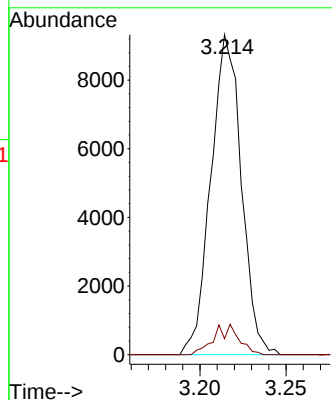
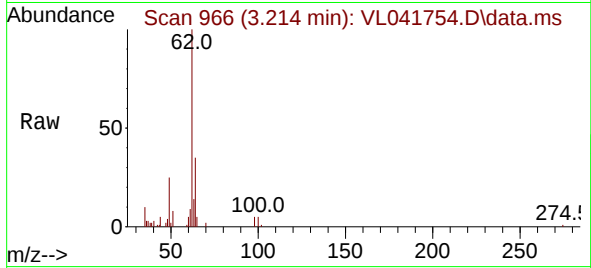
#37  
1,2-Dichloroethane  
Concen: 0.998 ppbv  
RT: 3.214 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC001

Tgt Ion: 62 Resp: 11490  
Ion Ratio Lower Upper  
62 100  
98 7.8 4.7 7.1

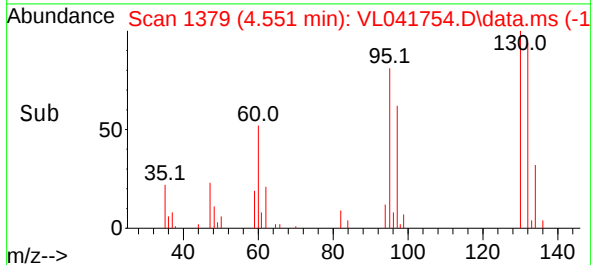
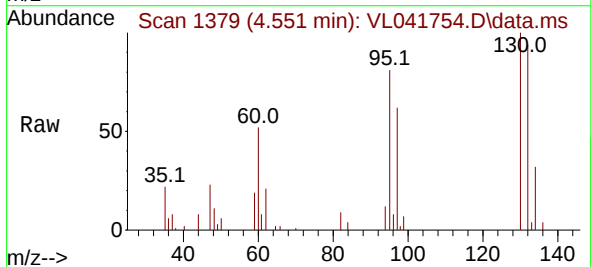
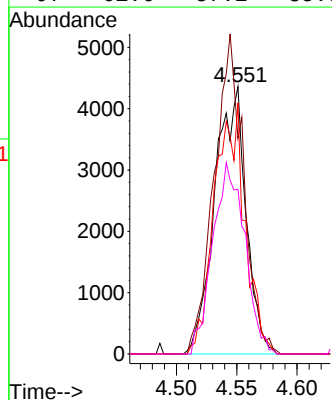
Manual Integrations  
APPROVED

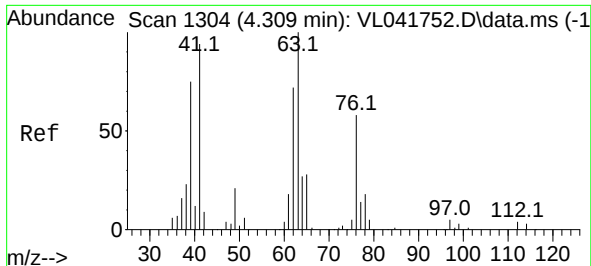
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#38  
Trichloroethene  
Concen: 1.004 ppbv m  
RT: 4.551 min Scan# 1379  
Delta R.T. 0.006 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

Tgt Ion:130 Resp: 7824  
Ion Ratio Lower Upper  
130 100  
95 80.7 87.0 130.6#  
132 93.9 75.0 112.6  
97 61.6 57.2 85.8





#39

1,2-Dichloropropane

Concen: 1.056 ppbv

RT: 4.311 min Scan# 1305

Delta R.T. 0.003 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC001

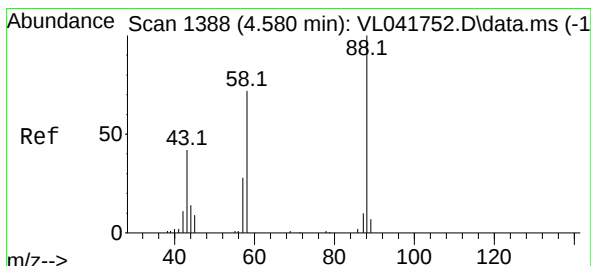
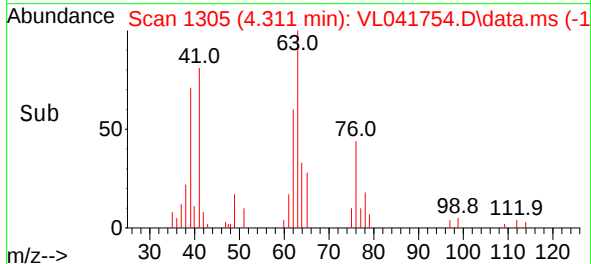
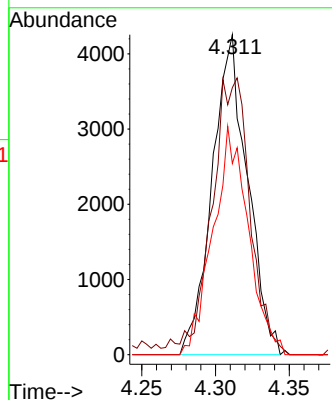
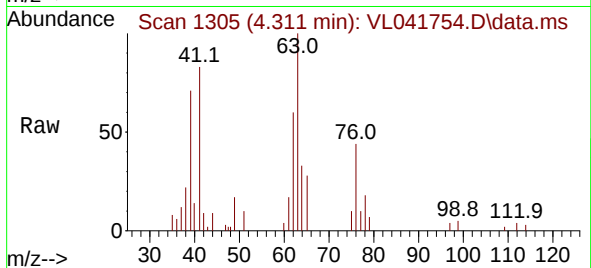
Tgt Ion: 63 Resp: 7068

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 41  | 80.8  | 75.3  | 112.9 |
| 62  | 59.8  | 57.3  | 85.9  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#40

1,4-Dioxane

Concen: 0.991 ppbv

RT: 4.596 min Scan# 1393

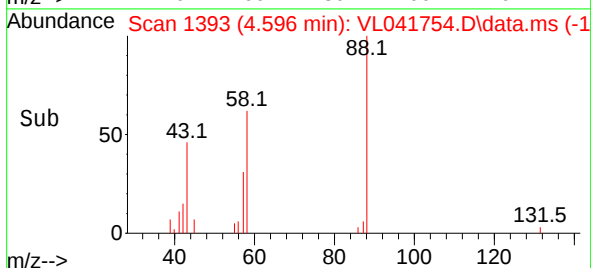
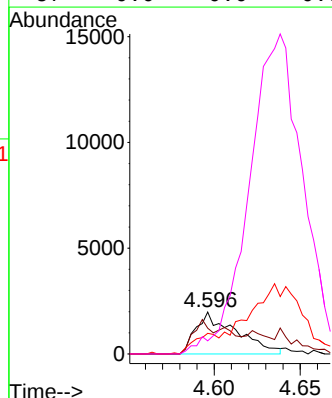
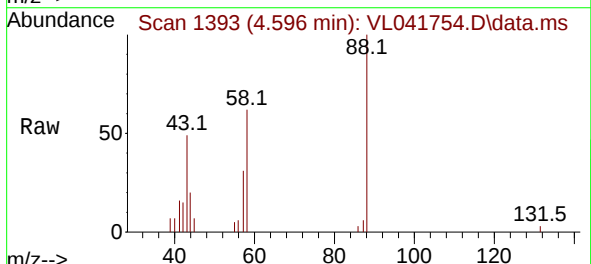
Delta R.T. 0.016 min

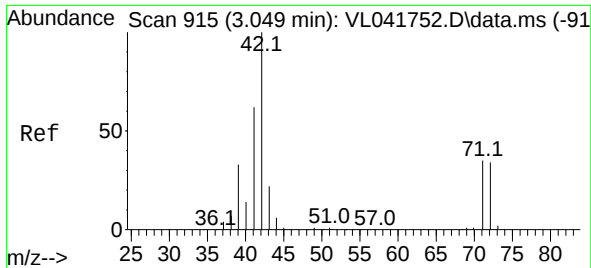
Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Tgt Ion: 88 Resp: 3241

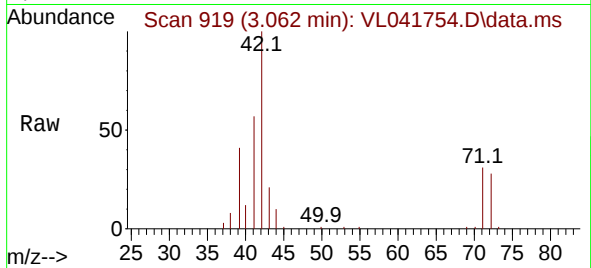
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 58  | 127.2 | 61.0  | 91.6# |
| 43  | 0.0   | 29.4  | 44.0# |
| 57  | 0.0   | 0.0   | 0.0   |





#41  
Tetrahydrofuran  
Concen: 1.082 ppbv  
RT: 3.062 min Scan# 915  
Delta R.T. 0.013 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

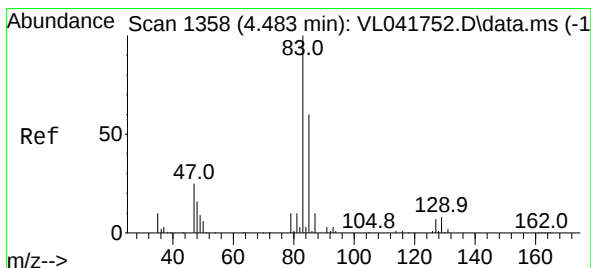
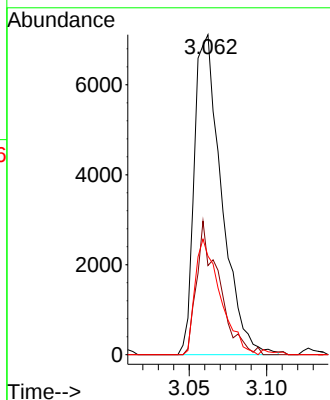
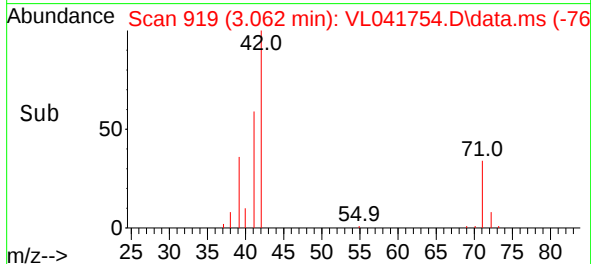
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC001



| Tgt Ion:  | 42   | Resp: | 872   |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 42        | 100  |       |       |
| 72        | 34.4 | 29.1  | 43.7  |
| 71        | 34.0 | 28.4  | 42.6  |

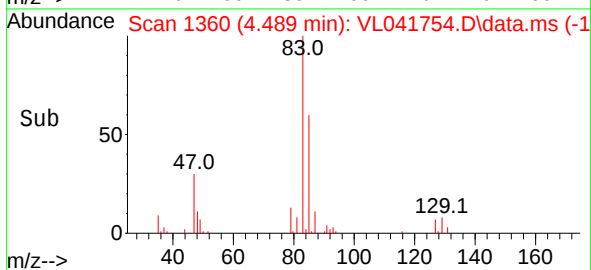
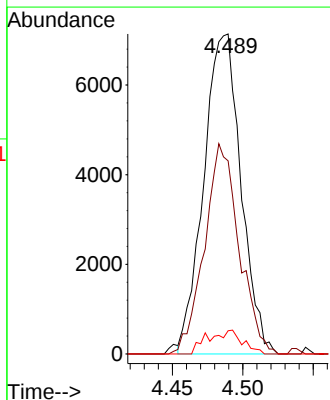
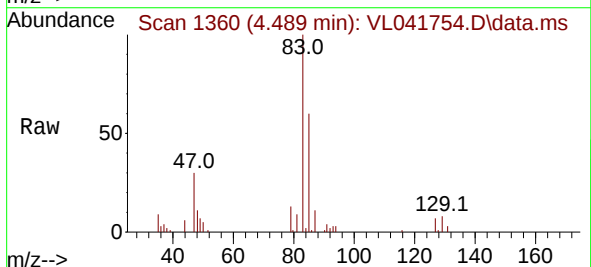
Manual Integrations  
APPROVED

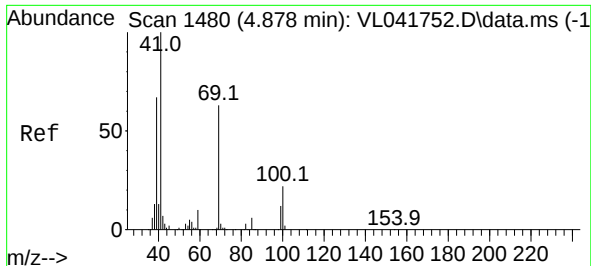
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#42  
Bromodichloromethane  
Concen: 0.993 ppbv  
RT: 4.489 min Scan# 1360  
Delta R.T. 0.006 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

| Tgt Ion:  | 83   | Resp: | 13154 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 85        | 60.4 | 48.0  | 72.0  |
| 127       | 7.2  | 5.8   | 8.8   |





#43

Methyl Methacrylate

Concen: 0.999 ppbv m

RT: 4.875 min Scan# 1479

Delta R.T. -0.004 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC001

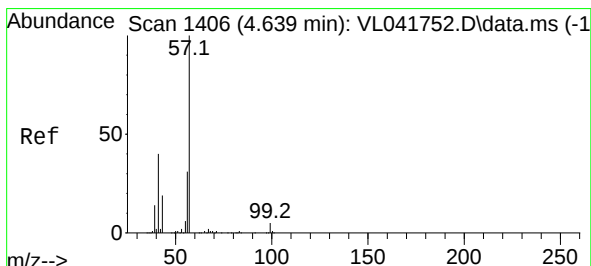
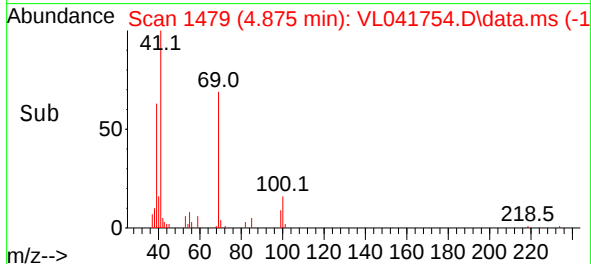
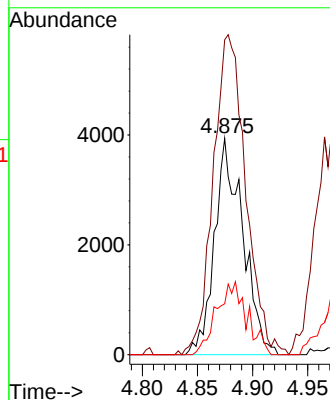
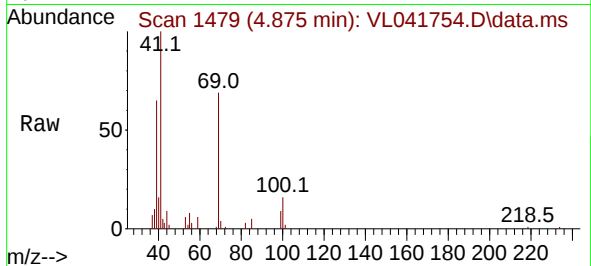
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 69    | Resp: | 704   |
| Ion Ratio | Lower | Upper |       |
| 69        | 100   |       |       |
| 41        | 169.4 | 130.3 | 195.5 |
| 100       | 0.0   | 28.3  | 42.5  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#44

2,2,4-Trimethylpentane

Concen: 1.024 ppbv

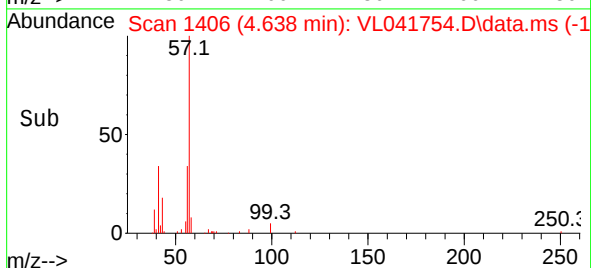
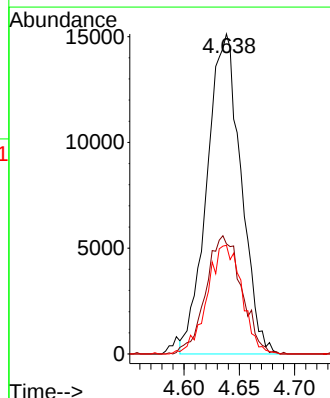
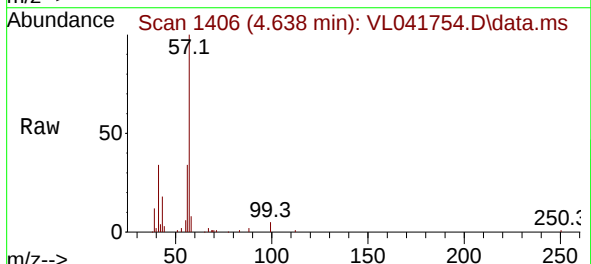
RT: 4.638 min Scan# 1406

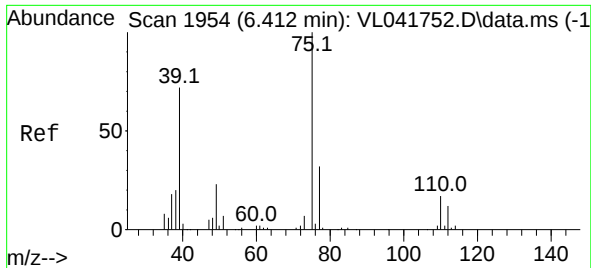
Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 57    | Resp: | 32361 |
| Ion Ratio | Lower | Upper |       |
| 57        | 100   |       |       |
| 41        | 38.9  | 30.7  | 46.1  |
| 56        | 34.5  | 25.4  | 38.0  |





#45  
 t-1,3-Dichloropropene  
 Concen: 0.963 ppbv  
 RT: 6.412 min Scan# 1954  
 Delta R.T. -0.000 min  
 Lab File: VL041754.D  
 Acq: 16 Dec 2024 14:34

Instrument :

MSVOA\_L

ClientSampleId :

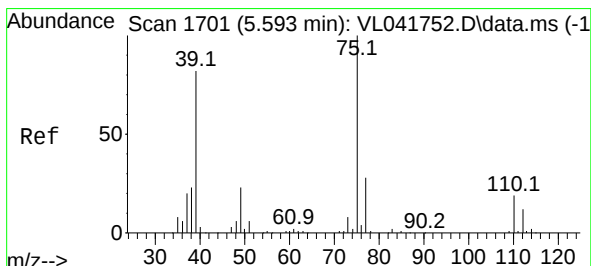
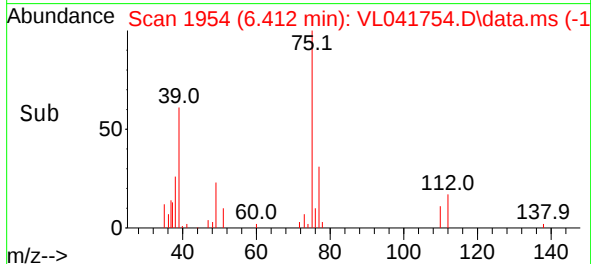
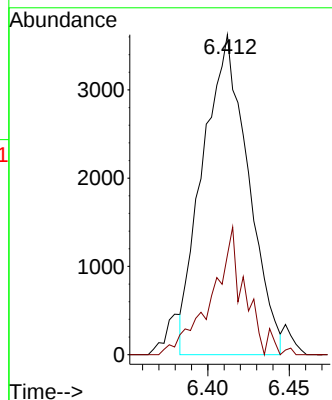
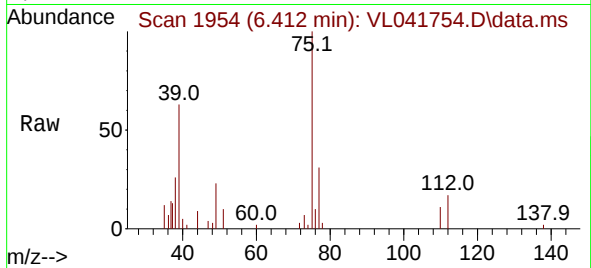
VSTDIC001

Tgt Ion: 75 Resp: 702  
 Ion Ratio Lower Upper  
 75 100  
 77 31.1 25.9 38.9

Manual Integrations

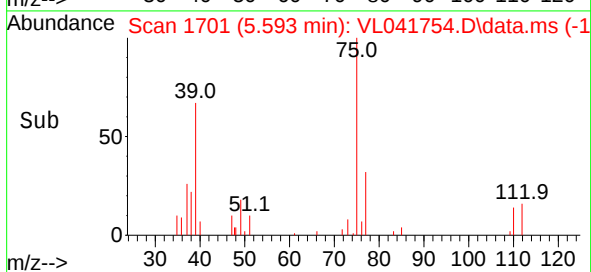
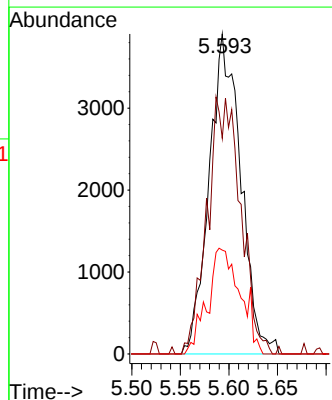
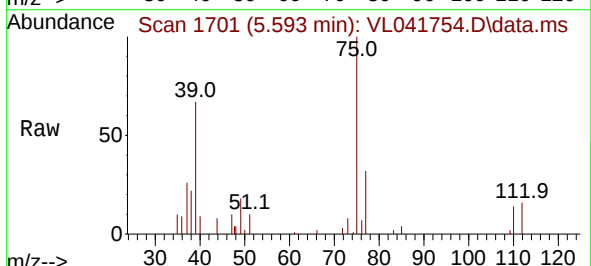
APPROVED

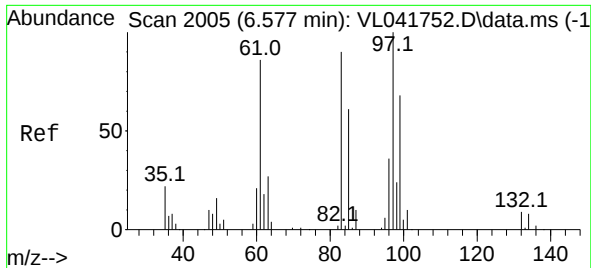
Reviewed By :Semsettin Yesilyurt 12/20/2024  
 Supervised By :Mahesh Dadoda 12/20/2024



#46  
 cis-1,3-Dichloropropene  
 Concen: 0.952 ppbv m  
 RT: 5.593 min Scan# 1701  
 Delta R.T. -0.000 min  
 Lab File: VL041754.D  
 Acq: 16 Dec 2024 14:34

Tgt Ion: 75 Resp: 8815  
 Ion Ratio Lower Upper  
 75 100  
 39 67.4 65.2 97.8  
 77 32.5 22.0 33.0





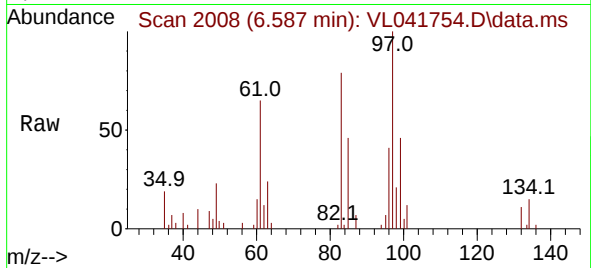
#47  
1,1,2-Trichloroethane  
Concen: 1.028 ppbv m  
RT: 6.587 min Scan# 2005  
Delta R.T. 0.009 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC001

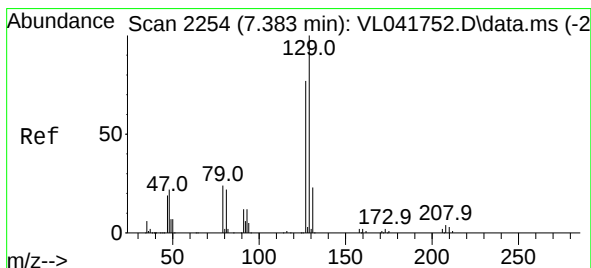
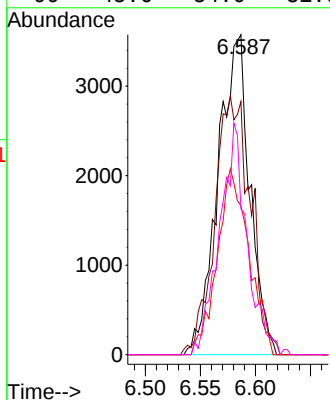
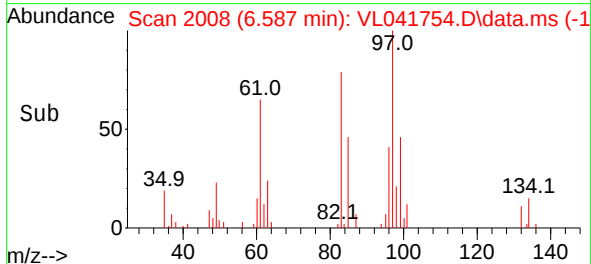


Tgt Ion: 97 Resp: 7189  
Ion Ratio Lower Upper  
97 100  
83 79.1 72.3 108.5  
85 46.5 48.5 72.7  
99 45.6 54.0 81.0#

Manual Integrations

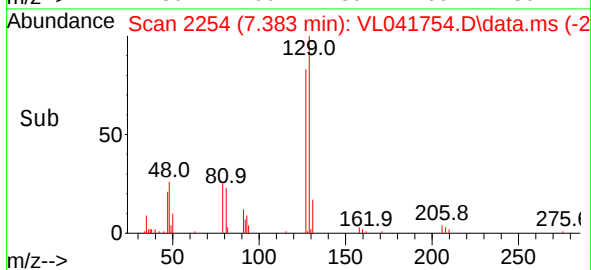
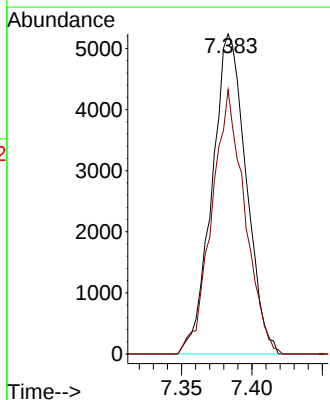
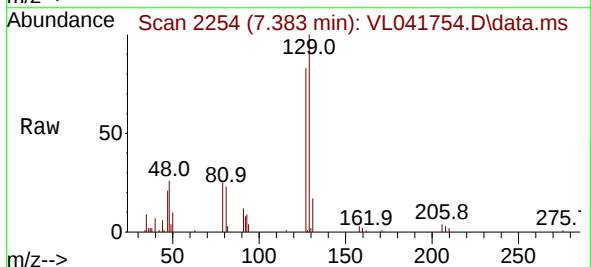
APPROVED

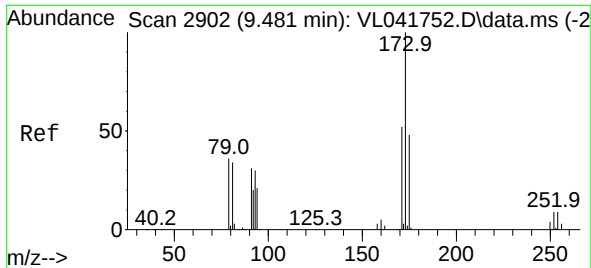
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#48  
Dibromochloromethane  
Concen: 0.924 ppbv  
RT: 7.383 min Scan# 2254  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

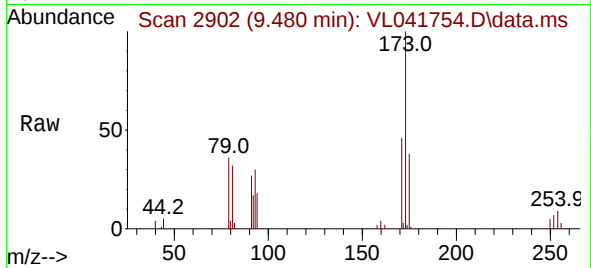
Tgt Ion:129 Resp: 8817  
Ion Ratio Lower Upper  
129 100  
127 80.2 38.8 116.3





#49  
Bromoform  
Concen: 0.905 ppbv  
RT: 9.480 min Scan# 2902  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

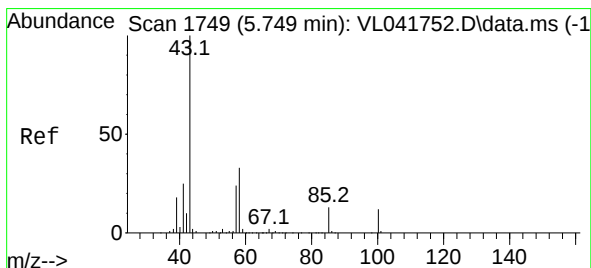
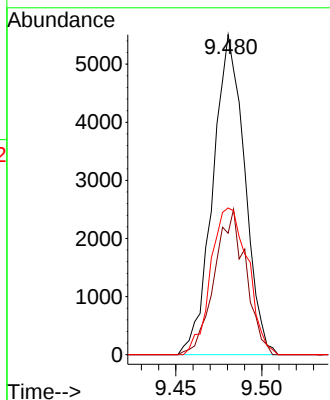
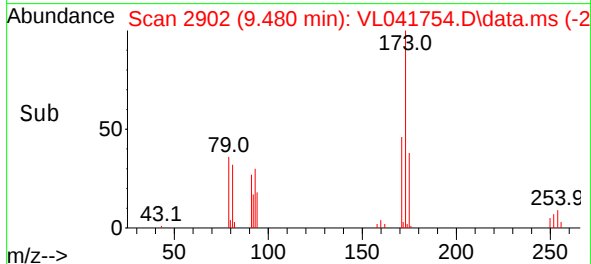
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



Tgt Ion: 173 Resp: 7073  
Ion Ratio Lower Upper  
173 100  
175 44.7 38.2 57.2  
171 53.3 41.1 61.7

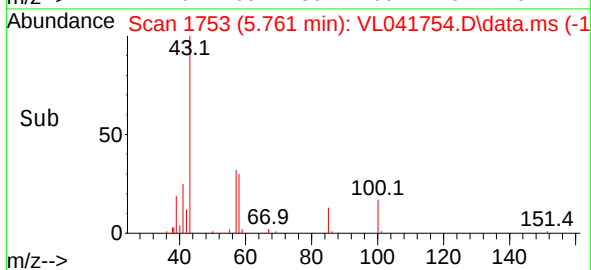
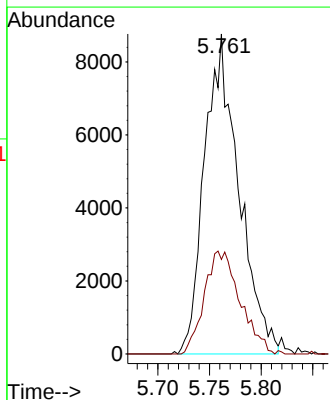
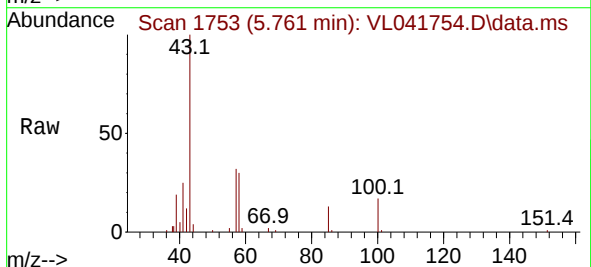
Manual Integrations  
APPROVED

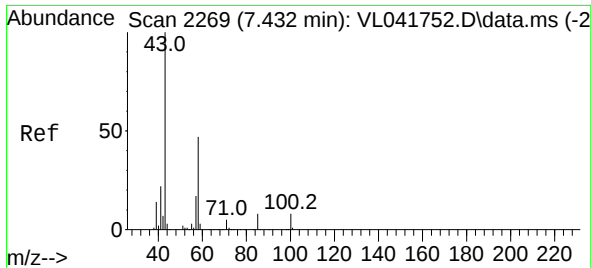
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#50  
4-Methyl-2-Pentanone  
Concen: 1.031 ppbv  
RT: 5.761 min Scan# 1753  
Delta R.T. 0.013 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

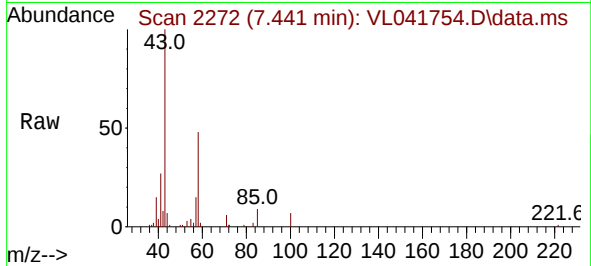
Tgt Ion: 43 Resp: 20212  
Ion Ratio Lower Upper  
43 100  
58 33.7 26.8 40.2





#51  
2-Hexanone  
Concen: 1.040 ppbv  
RT: 7.441 min Scan# 2151  
Delta R.T. 0.009 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

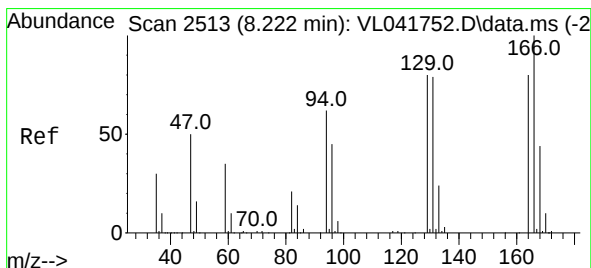
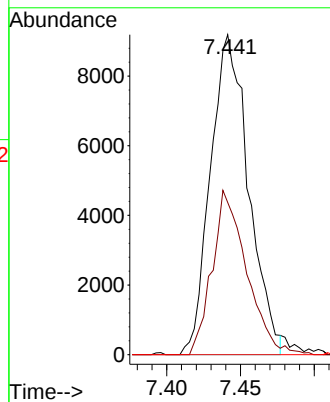
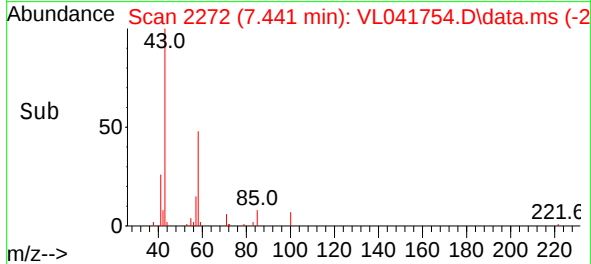
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC001



Tgt Ion: 43 Resp: 16514  
Ion Ratio Lower Upper  
43 100  
58 46.5 36.6 55.0  
98 0.2 0.1 0.1

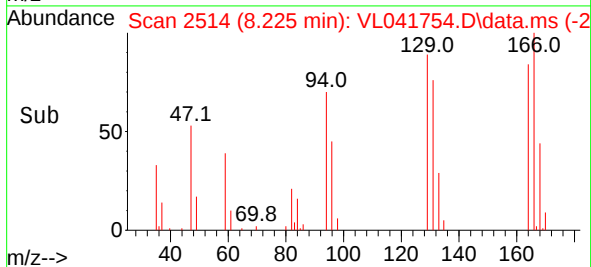
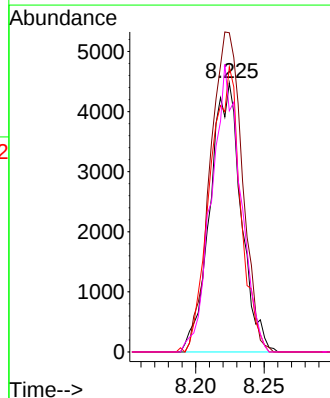
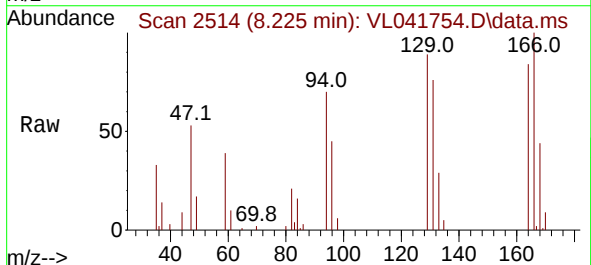
Manual Integrations  
APPROVED

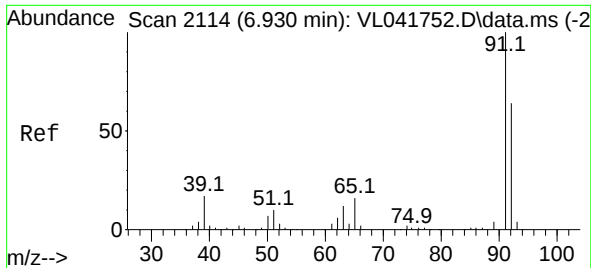
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#52  
Tetrachloroethene  
Concen: 1.026 ppbv m  
RT: 8.225 min Scan# 2514  
Delta R.T. 0.003 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

Tgt Ion:164 Resp: 7067  
Ion Ratio Lower Upper  
164 100  
166 118.7 99.8 149.6  
129 106.0 79.6 119.4  
131 89.6 78.6 117.8





#53

Toluene

Concen: 1.029 ppbv

RT: 6.930 min Scan# 2114

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC001

Tgt Ion: 91 Resp: 21594

Ion Ratio Lower Upper

91 100

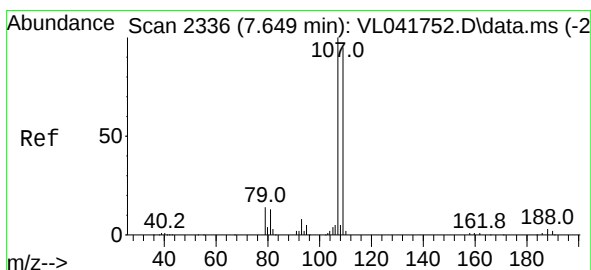
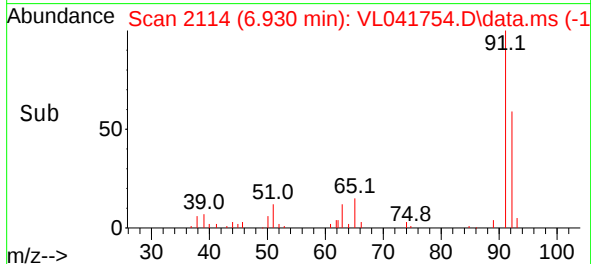
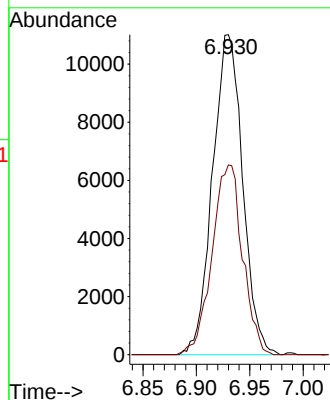
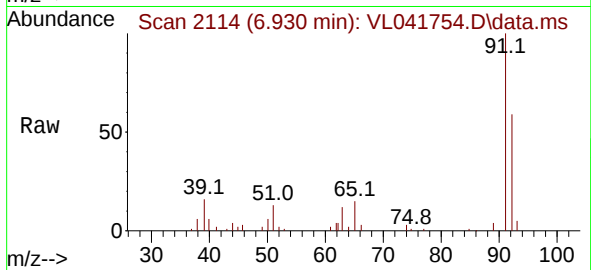
92 60.0 47.9 71.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#54

1,2-Dibromoethane

Concen: 1.013 ppbv

RT: 7.648 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VL041754.D

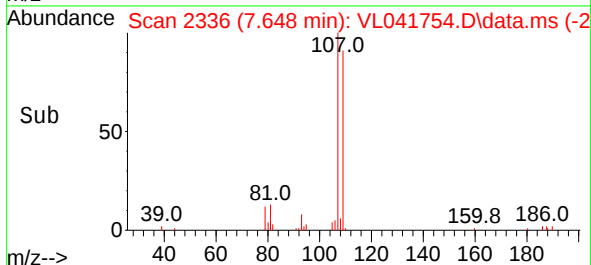
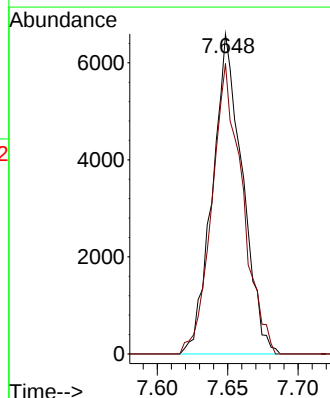
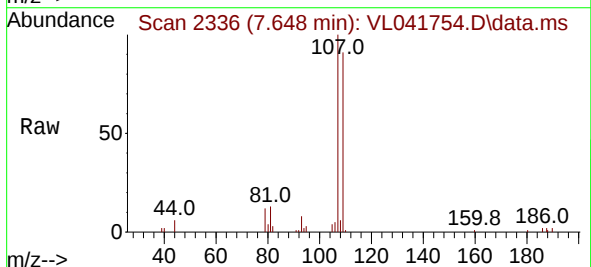
Acq: 16 Dec 2024 14:34

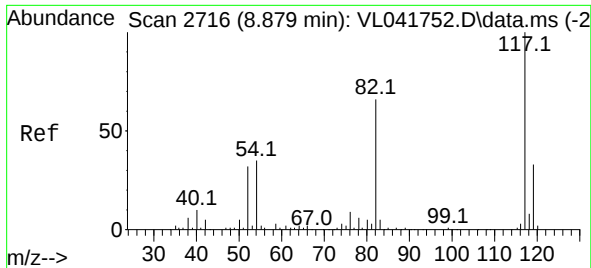
Tgt Ion:107 Resp: 9758

Ion Ratio Lower Upper

107 100

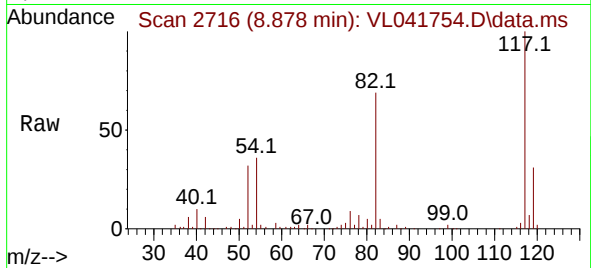
109 90.8 75.9 113.9





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.878 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

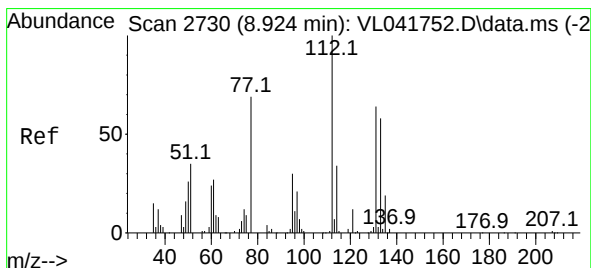
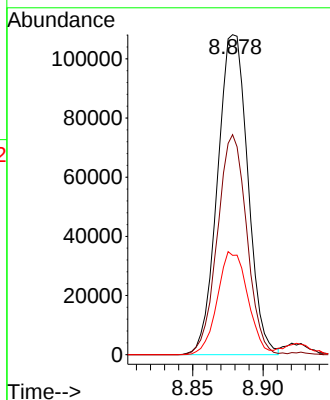
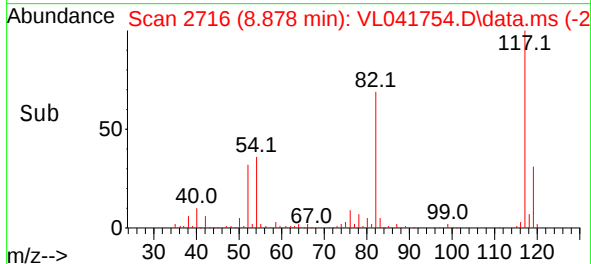
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC001



Tgt Ion:117 Resp: 16226  
Ion Ratio Lower Upper  
117 100  
82 66.9 53.8 80.8  
119 32.5 26.7 40.1

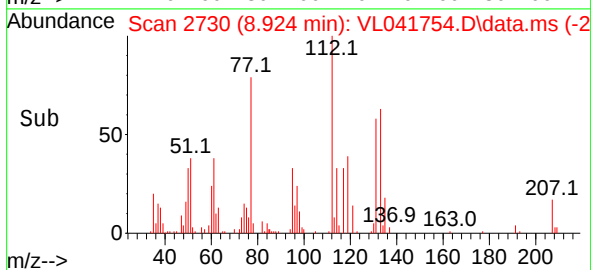
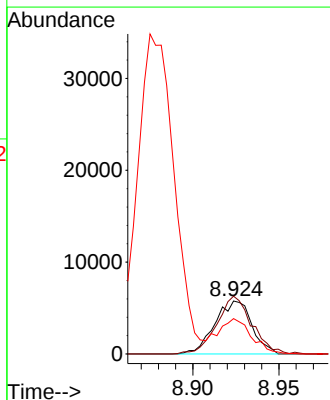
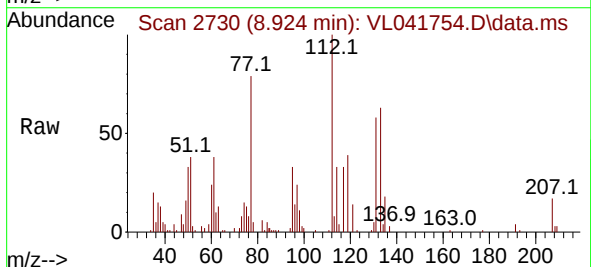
Manual Integrations  
APPROVED

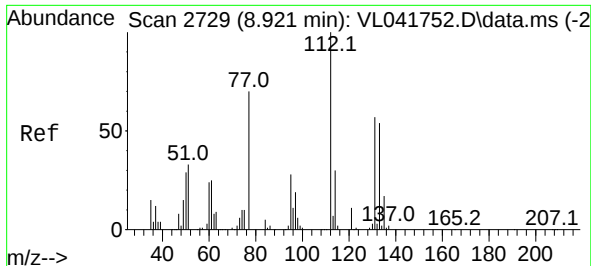
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#56  
1,1,1,2-Tetrachloroethane  
Concen: 1.005 ppbv  
RT: 8.924 min Scan# 2730  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

Tgt Ion:131 Resp: 8643  
Ion Ratio Lower Upper  
131 100  
133 103.1 76.8 115.2  
119 55.4 49.0 73.6





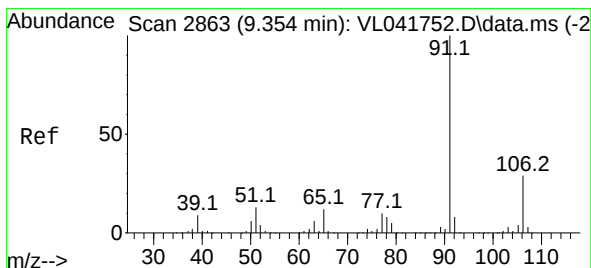
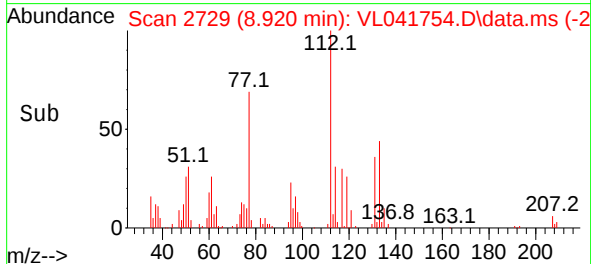
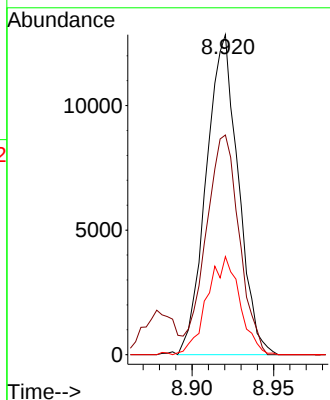
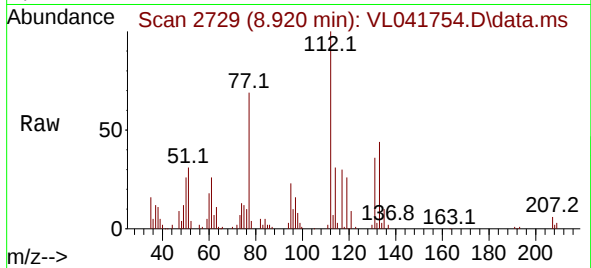
#57  
Chlorobenzene  
Concen: 1.054 ppbv  
RT: 8.920 min Scan# 2729  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

Tgt Ion: 112 Resp: 17500  
Ion Ratio Lower Upper  
112 100  
77 68.6 57.4 86.0  
114 30.7 27.4 33.4

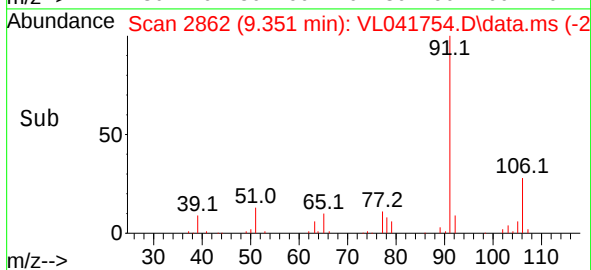
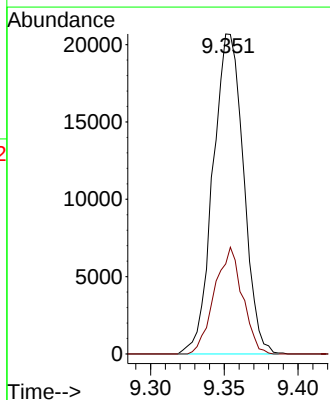
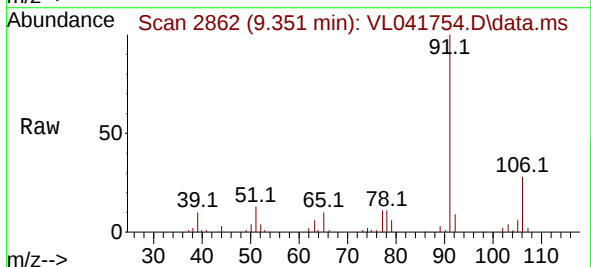
Manual Integrations  
APPROVED

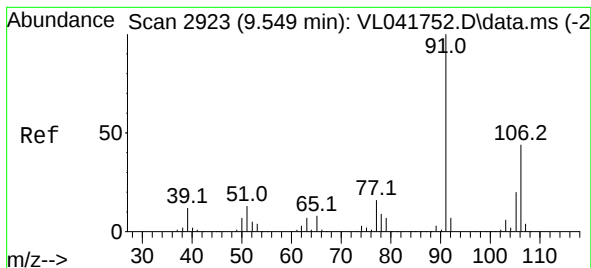
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#58  
Ethyl Benzene  
Concen: 1.019 ppbv  
RT: 9.351 min Scan# 2862  
Delta R.T. -0.004 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

Tgt Ion: 91 Resp: 29762  
Ion Ratio Lower Upper  
91 100  
106 28.1 23.5 35.3





#59

m/p-Xylene

Concen: 2.026 ppbv

RT: 9.529 min Scan# 2923

Delta R.T. -0.020 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 4759

Ion Ratio Lower Upper

91 100

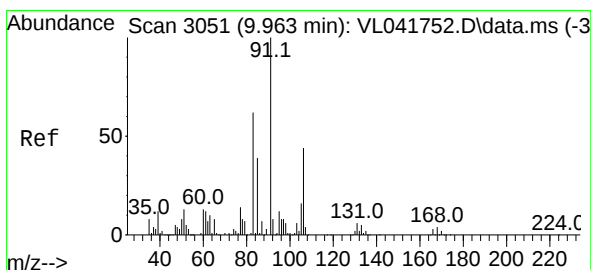
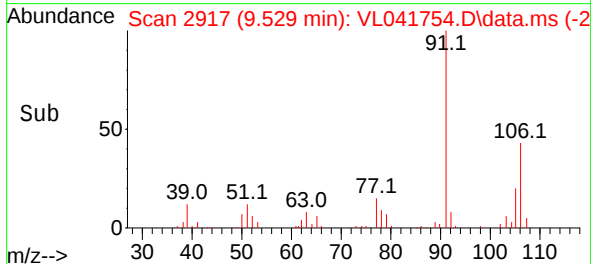
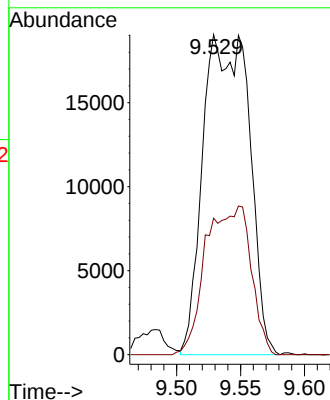
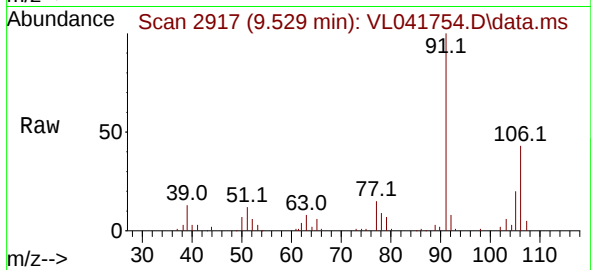
106 45.6 0.0 0.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#60

o-Xylene

Concen: 1.028 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VL041754.D

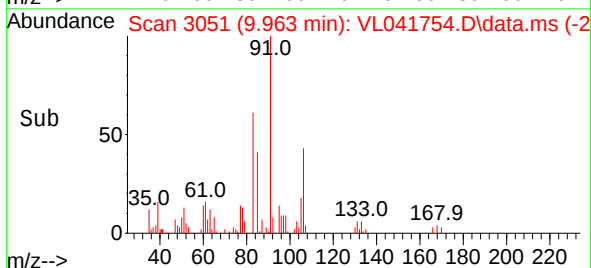
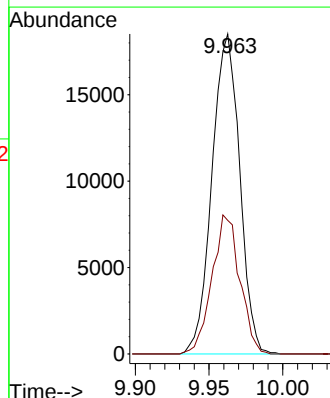
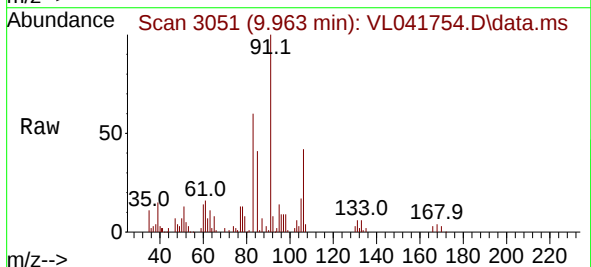
Acq: 16 Dec 2024 14:34

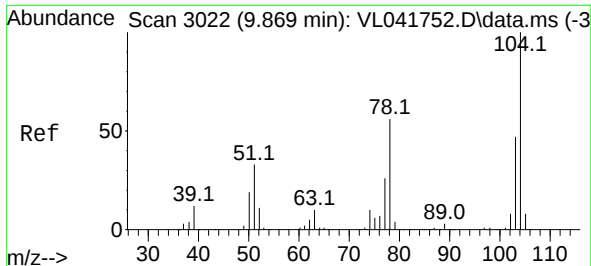
Tgt Ion: 91 Resp: 24210

Ion Ratio Lower Upper

91 100

106 43.6 21.1 63.4





#61  
Styrene  
Concen: 0.953 ppbv  
RT: 9.869 min Scan# 3022  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

Instrument :

MSVOA\_L

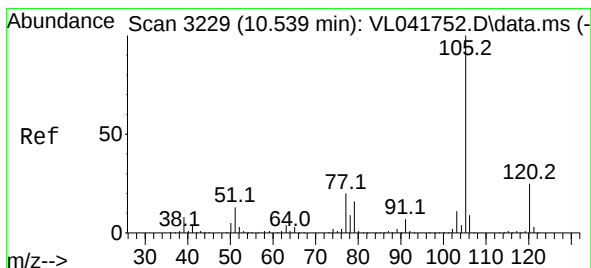
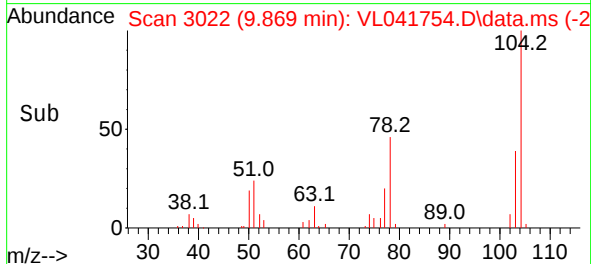
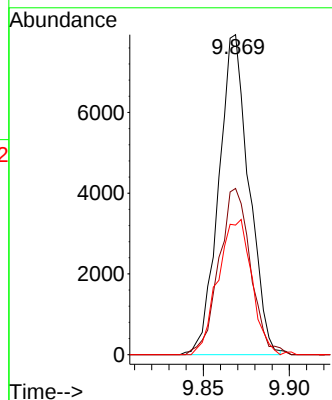
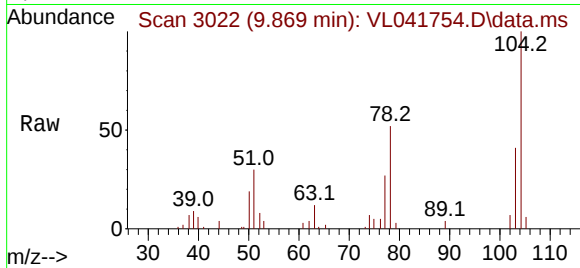
ClientSampleId :

VSTDIC001

Tgt Ion:104 Resp: 970  
Ion Ratio Lower Upper  
104 100  
78 54.3 43.8 65.6  
103 47.2 37.8 56.6

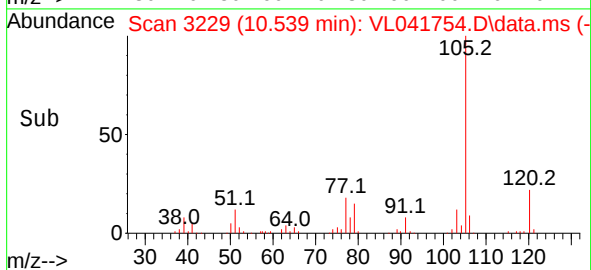
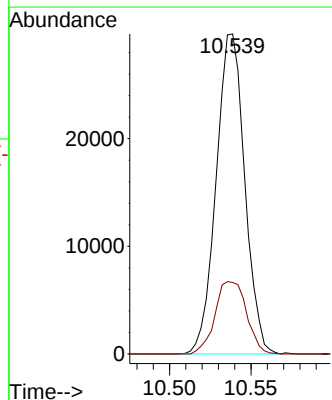
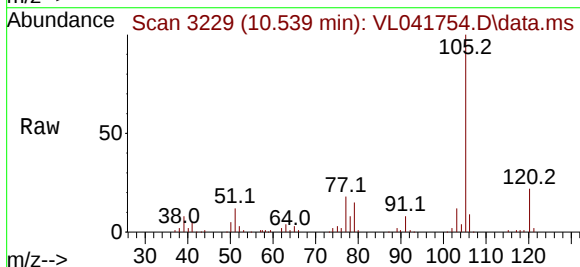
Manual Integrations  
APPROVED

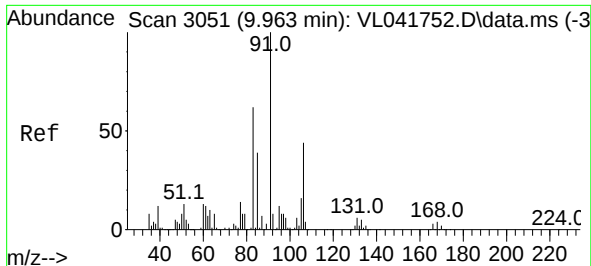
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#62  
Isopropylbenzene  
Concen: 1.024 ppbv  
RT: 10.539 min Scan# 3229  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

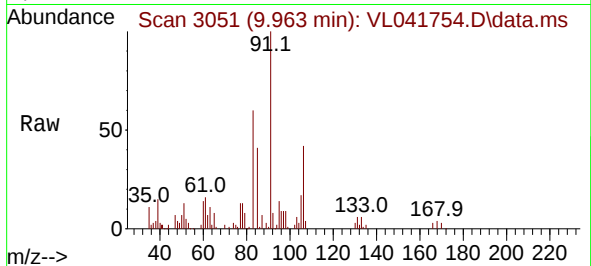
Tgt Ion:105 Resp: 36251  
Ion Ratio Lower Upper  
105 100  
120 24.9 19.8 29.8





#63  
1,1,2,2-Tetrachloroethane  
Concen: 1.001 ppbv  
RT: 9.963 min Scan# 3051  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

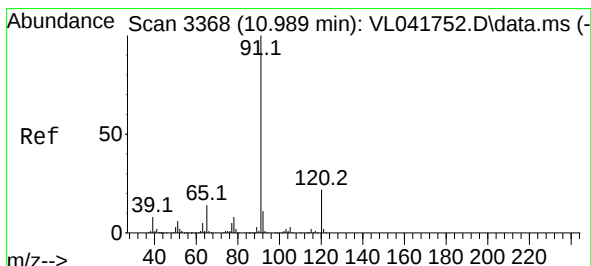
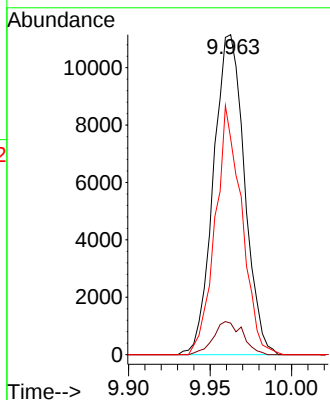
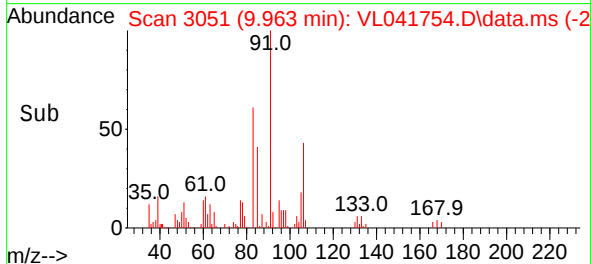
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC001



Tgt Ion: 83 Resp: 14752  
Ion Ratio Lower Upper  
83 100  
131 9.8 4.9 14.7  
85 66.2 32.0 96.2

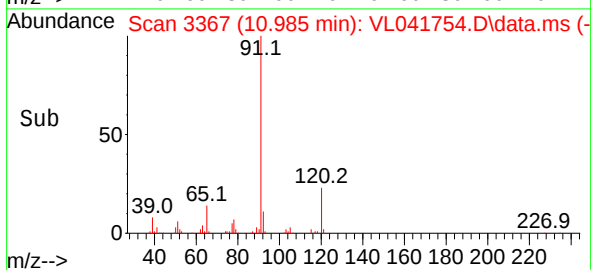
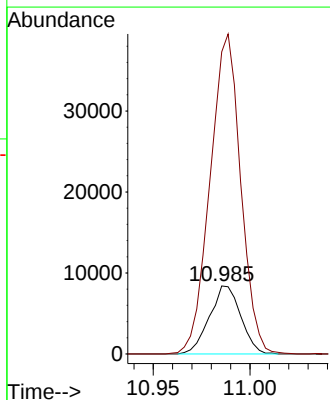
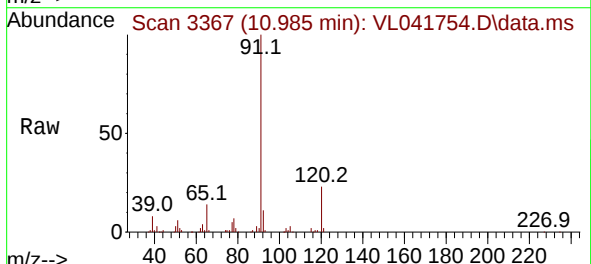
Manual Integrations  
APPROVED

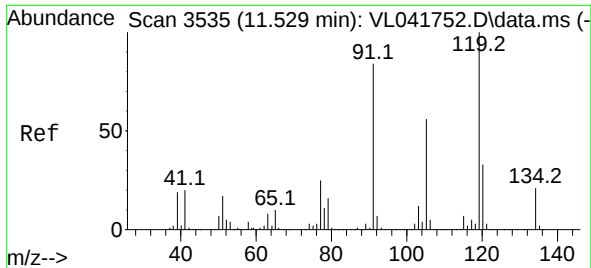
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#64  
n-propylbenzene  
Concen: 1.054 ppbv  
RT: 10.985 min Scan# 3367  
Delta R.T. -0.004 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

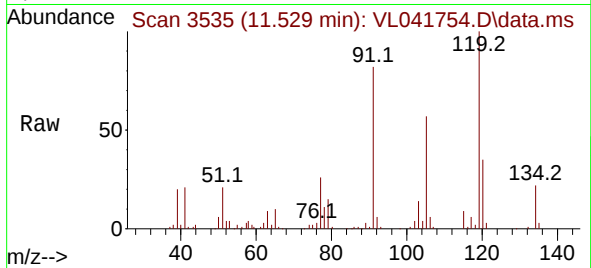
Tgt Ion:120 Resp: 9432  
Ion Ratio Lower Upper  
120 100  
91 461.0 387.3 580.9





#65  
tert-Butylbenzene  
Concen: 1.030 ppbv  
RT: 11.529 min Scan# 3535  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

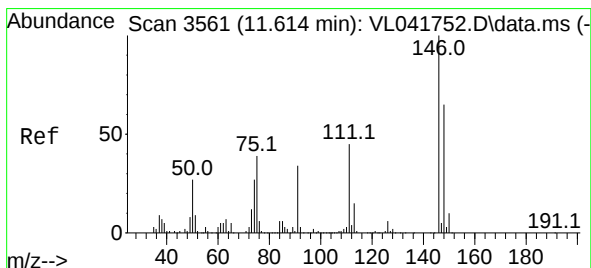
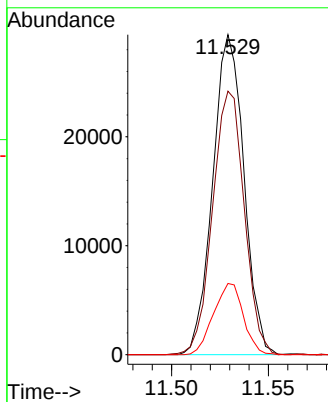
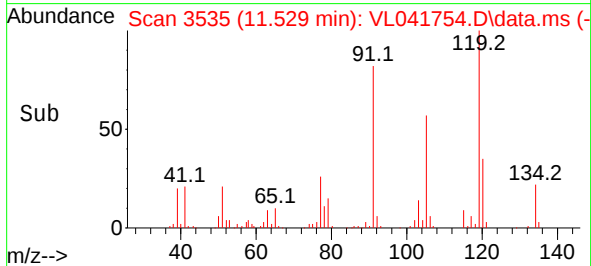
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC001



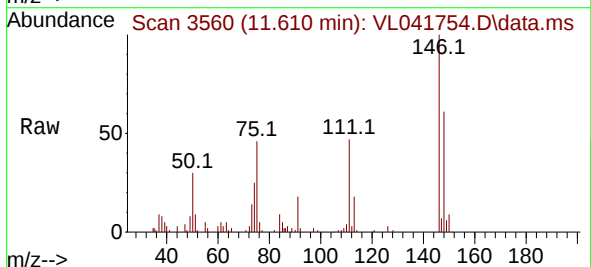
Tgt Ion: 119 Resp: 3288  
Ion Ratio Lower Upper  
119 100  
91 83.8 67.0 100.4  
134 21.3 16.5 24.7

Manual Integrations  
APPROVED

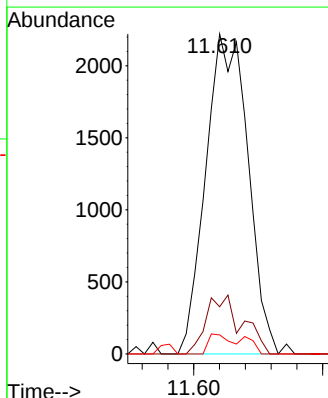
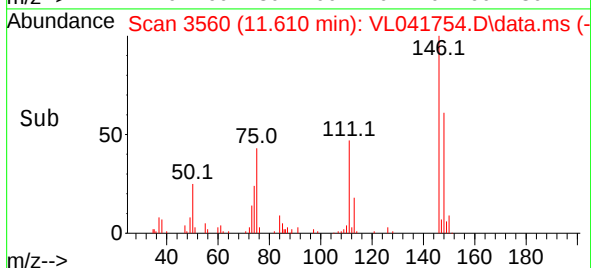
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024

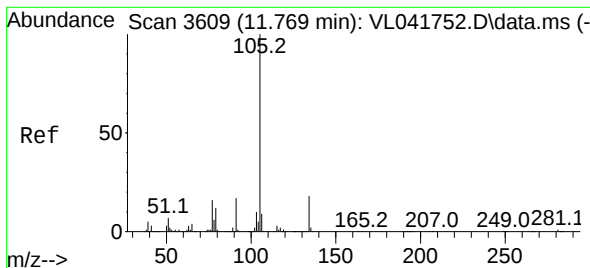


#66  
Benzyl Chloride  
Concen: 0.894 ppbv  
RT: 11.610 min Scan# 3560  
Delta R.T. -0.004 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34



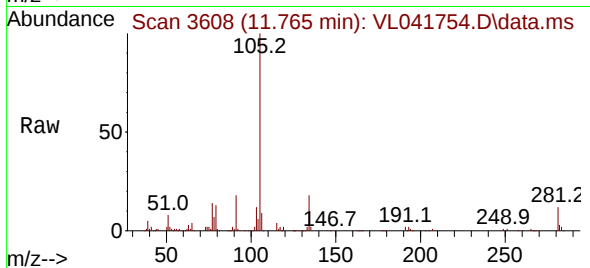
Tgt Ion: 91 Resp: 2518  
Ion Ratio Lower Upper  
91 100  
126 15.6 13.9 20.9  
128 5.9 4.4 6.6





#67  
 sec-Butylbenzene  
 Concen: 1.019 ppbv  
 RT: 11.765 min Scan# 3608  
 Delta R.T. -0.004 min  
 Lab File: VL041754.D  
 Acq: 16 Dec 2024 14:34

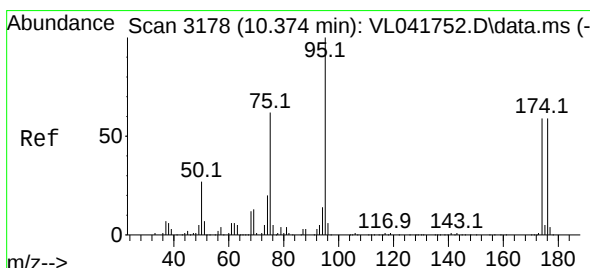
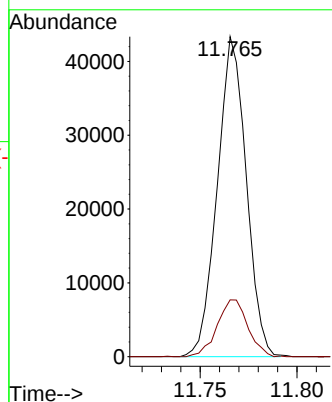
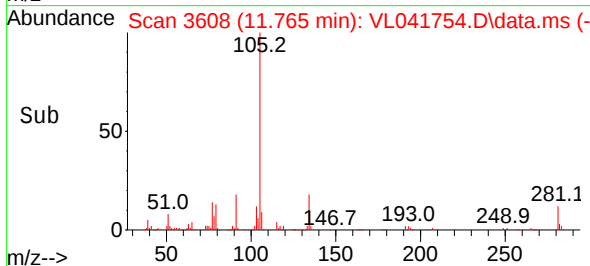
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC001



Tgt Ion:105 Resp: 45015  
 Ion Ratio Lower Upper  
 105 100  
 134 18.8 14.5 21.7

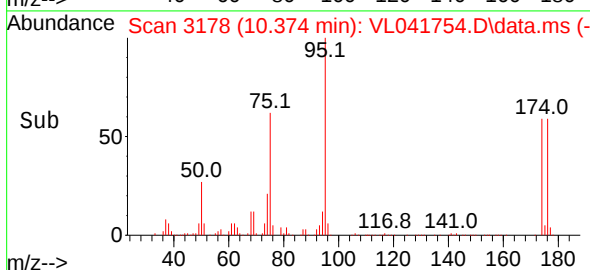
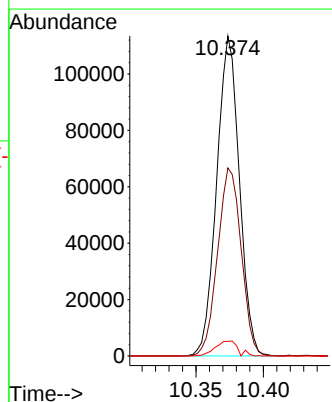
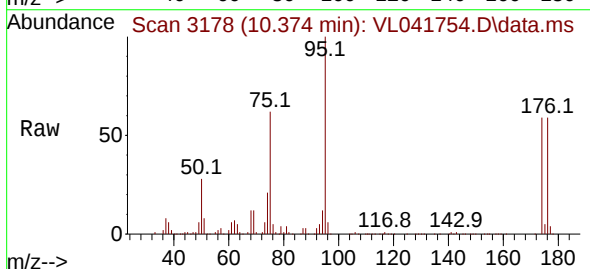
Manual Integrations  
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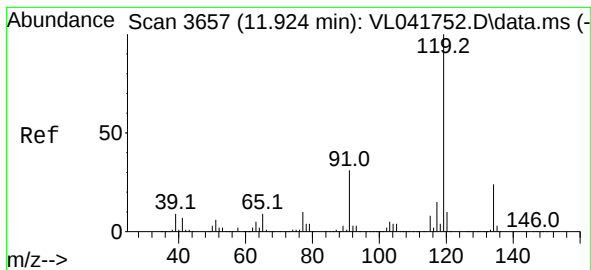
Reviewed By :Semsettin Yesilyurt 12/20/2024  
 Supervised By :Mahesh Dadoda 12/20/2024



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.825 ppbv  
 RT: 10.374 min Scan# 3178  
 Delta R.T. -0.000 min  
 Lab File: VL041754.D  
 Acq: 16 Dec 2024 14:34

Tgt Ion: 95 Resp: 132857  
 Ion Ratio Lower Upper  
 95 100  
 174 61.0 47.6 71.4  
 175 4.7 3.7 5.5





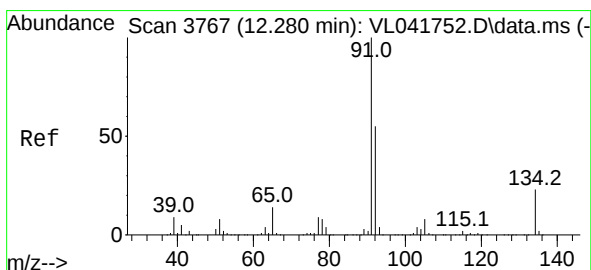
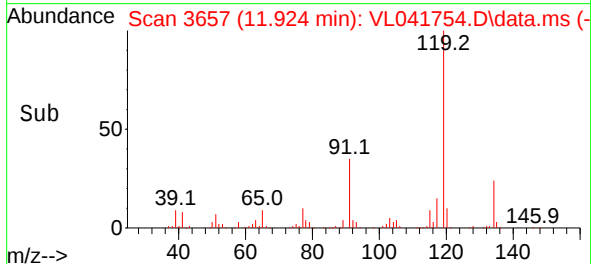
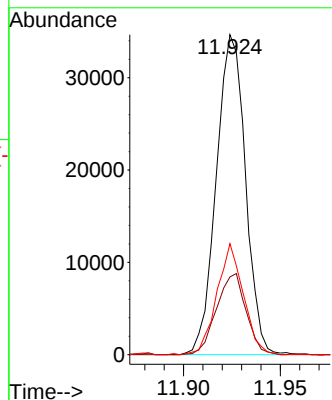
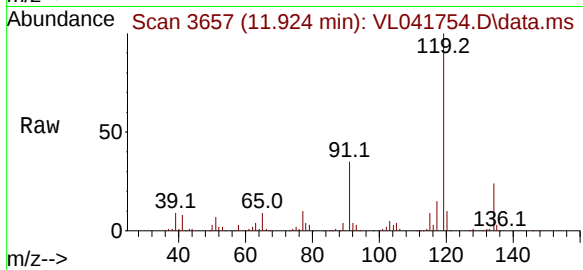
#69  
p-Isopropyltoluene  
Concen: 0.997 ppbv  
RT: 11.924 min Scan# 3657  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

Tgt Ion: 119 Resp: 36298  
Ion Ratio Lower Upper  
119 100  
134 25.8 19.6 29.4  
91 31.8 24.4 36.6

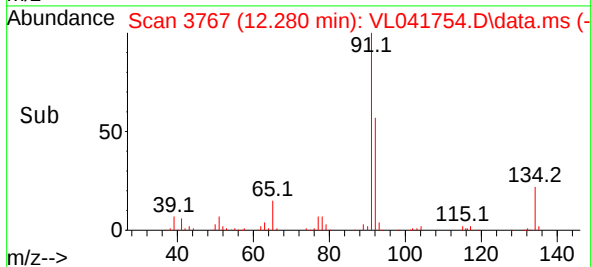
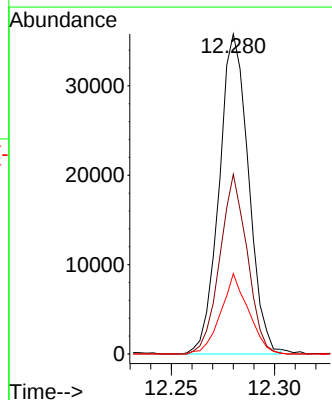
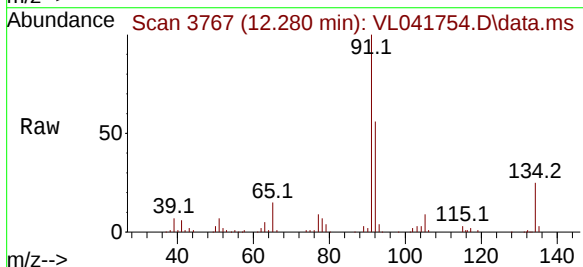
Manual Integrations  
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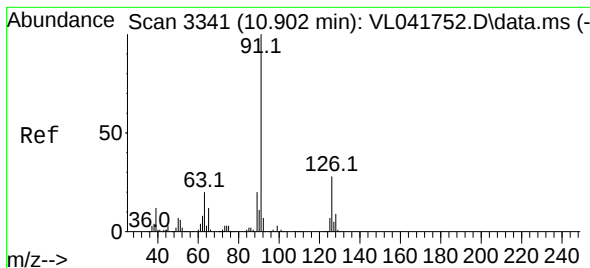
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#70  
n-Butylbenzene  
Concen: 1.007 ppbv  
RT: 12.280 min Scan# 3767  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

Tgt Ion: 91 Resp: 35432  
Ion Ratio Lower Upper  
91 100  
92 52.4 43.2 64.8  
134 23.6 18.2 27.4





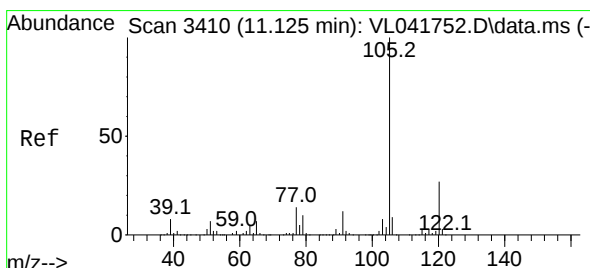
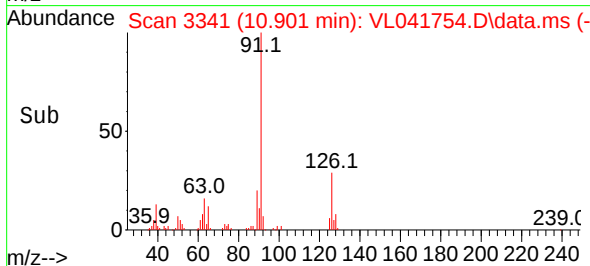
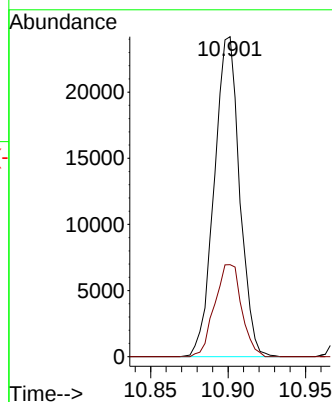
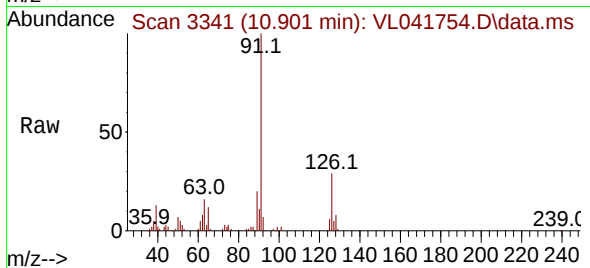
#71  
2-Chlorotoluene  
Concen: 1.020 ppbv  
RT: 10.901 min Scan# 3341  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC001

Tgt Ion: 91 Resp: 2756  
Ion Ratio Lower Upper  
91 100  
126 30.5 11.6 46.4

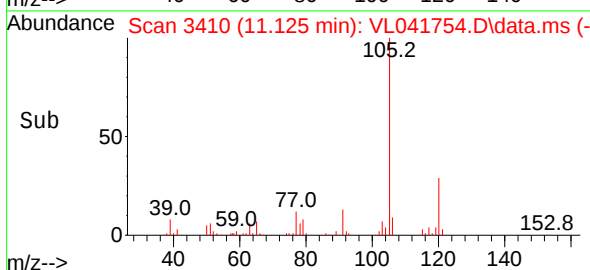
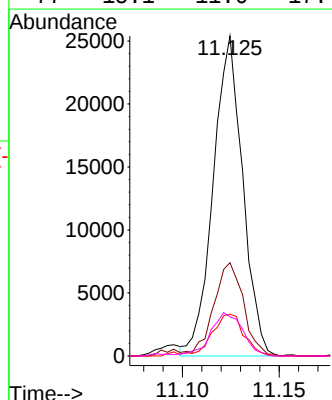
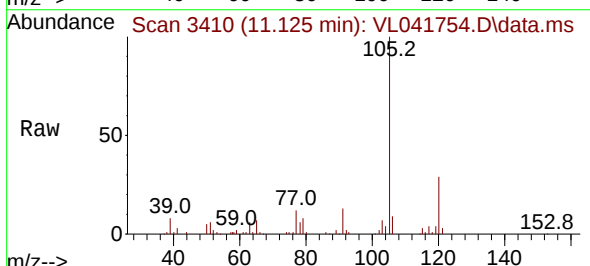
Manual Integrations  
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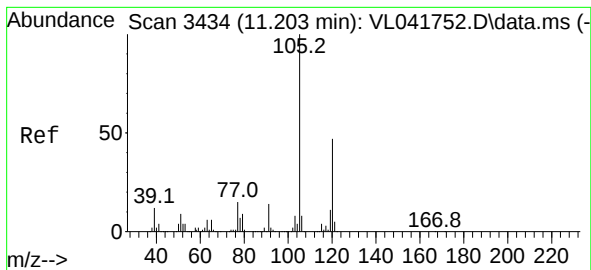
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#72  
4-Ethyltoluene  
Concen: 0.970 ppbv  
RT: 11.125 min Scan# 3410  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

Tgt Ion:105 Resp: 26921  
Ion Ratio Lower Upper  
105 100  
120 30.7 23.3 34.9  
91 14.5 10.9 16.3  
77 15.1 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 0.969 ppbv

RT: 11.202 min Scan# 3434

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 22360

Ion Ratio Lower Upper

105 100

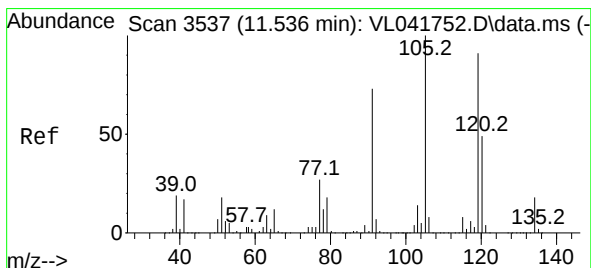
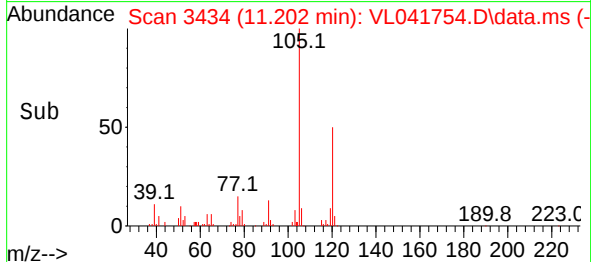
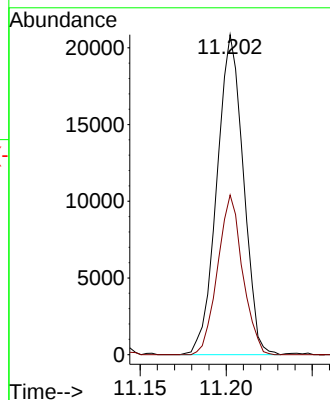
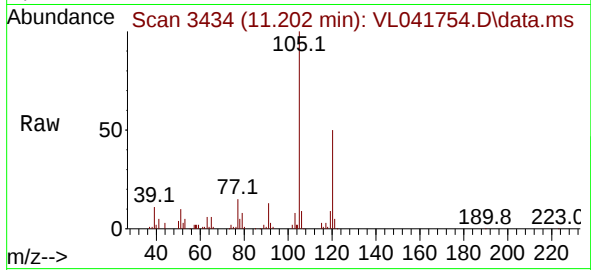
120 49.9 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#74

1,2,4-Trimethylbenzene

Concen: 0.994 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.000 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Tgt Ion:105 Resp: 24654

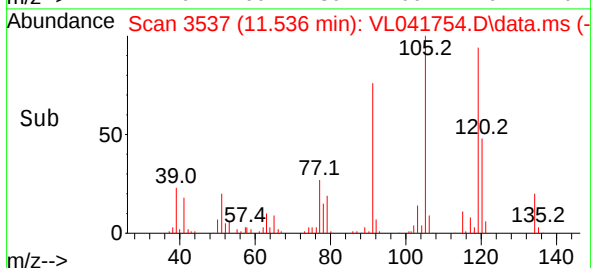
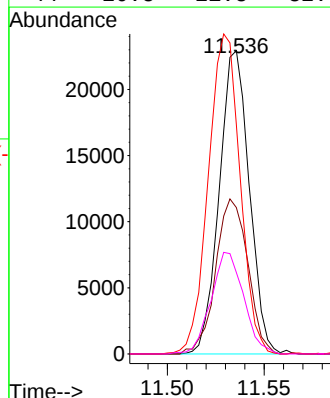
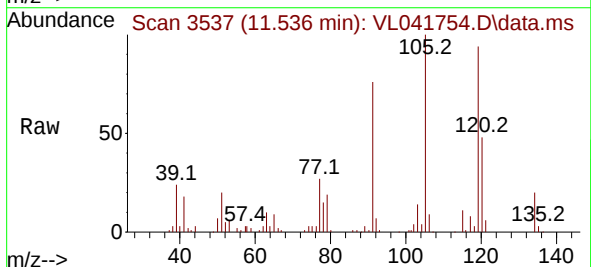
Ion Ratio Lower Upper

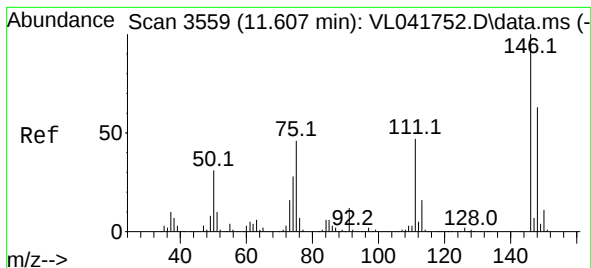
105 100

120 48.3 39.0 58.4

91 75.5 58.1 87.1

77 26.8 21.8 32.8





#75

1,3-Dichlorobenzene

Concen: 1.042 ppbv

RT: 11.604 min Scan# 3559

Delta R.T. -0.004 min

Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC001

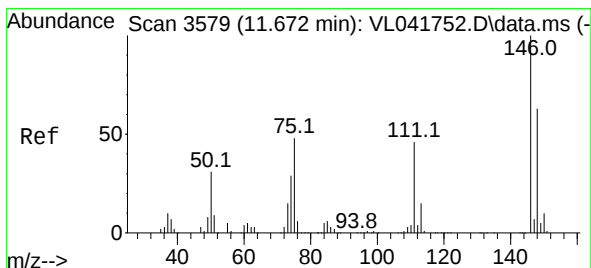
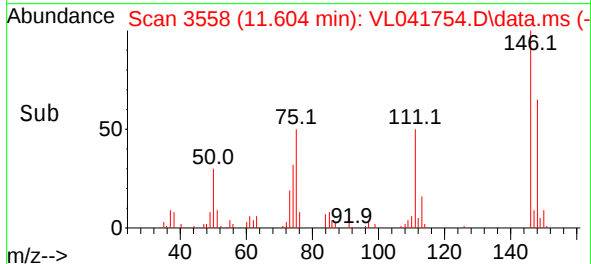
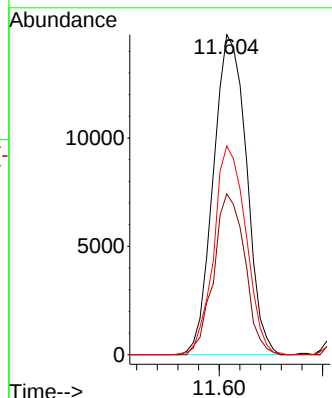
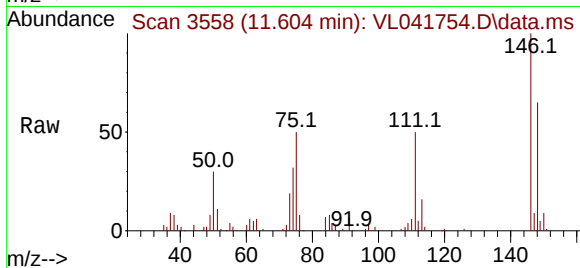
Tgt Ion:146 Resp: 16470

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 47.3  | 23.4  | 70.3  |
| 148 | 63.1  | 31.6  | 95.0  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#76

1,4-Dichlorobenzene

Concen: 1.010 ppbv

RT: 11.668 min Scan# 3578

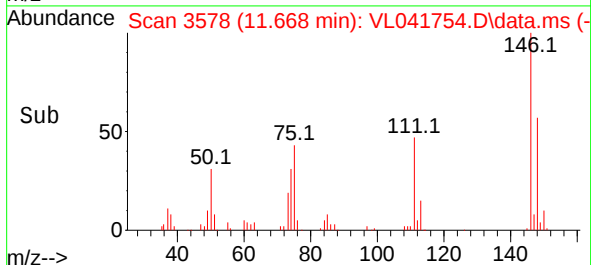
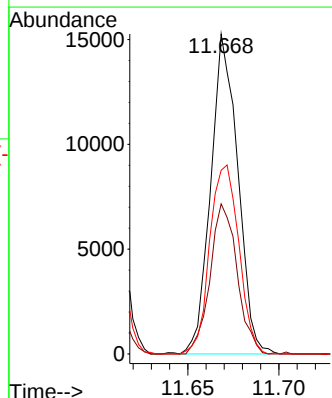
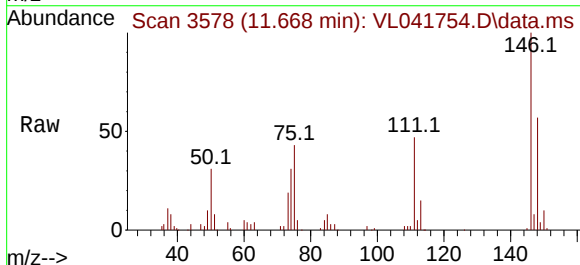
Delta R.T. -0.004 min

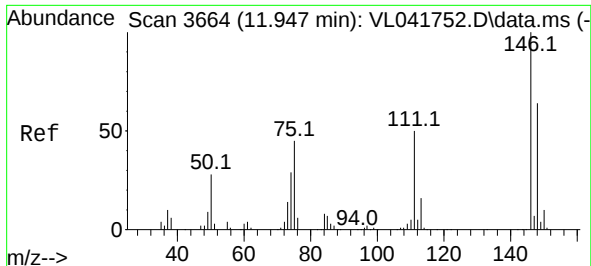
Lab File: VL041754.D

Acq: 16 Dec 2024 14:34

Tgt Ion:146 Resp: 15774

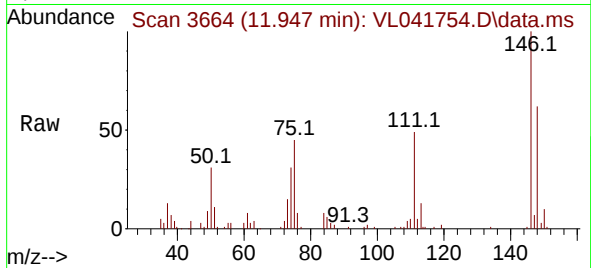
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 47.0  | 22.7  | 68.1  |
| 148 | 63.4  | 31.4  | 94.0  |





#77  
1,2-Dichlorobenzene  
Concen: 1.043 ppbv  
RT: 11.947 min Scan# 3664  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

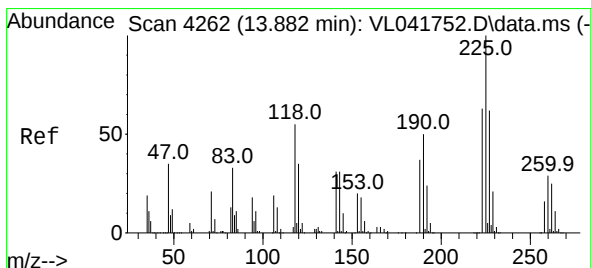
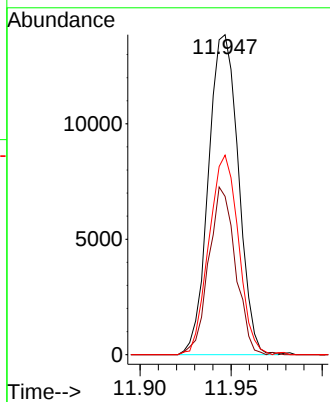
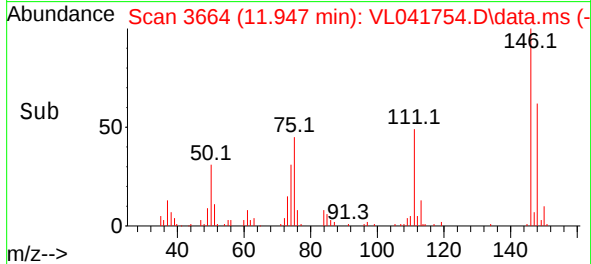
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001



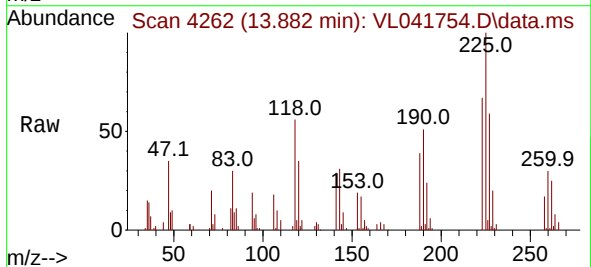
Tgt Ion:146 Resp: 1586  
Ion Ratio Lower Upper  
146 100  
111 47.0 24.8 74.3  
148 61.6 31.8 95.4

Manual Integrations  
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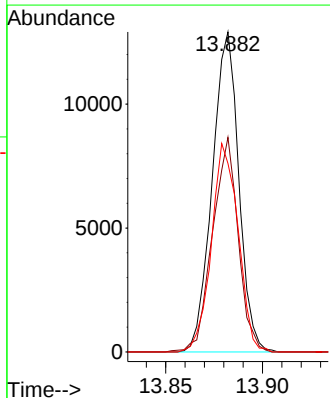
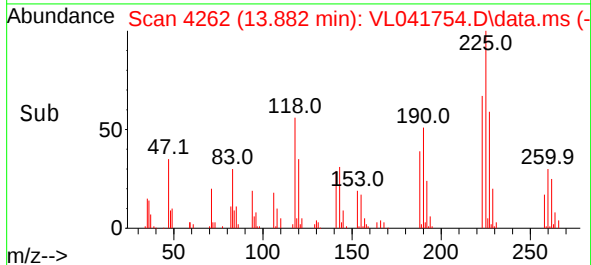
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024

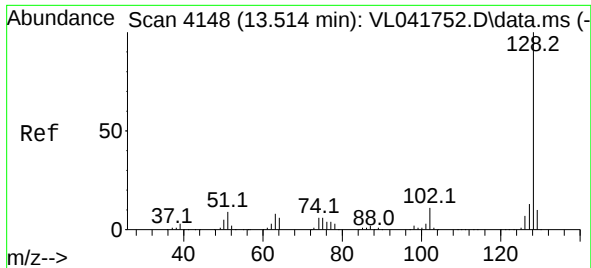


#78  
Hexachloro-1,3-Butadiene  
Concen: 1.087 ppbv  
RT: 13.882 min Scan# 4262  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34



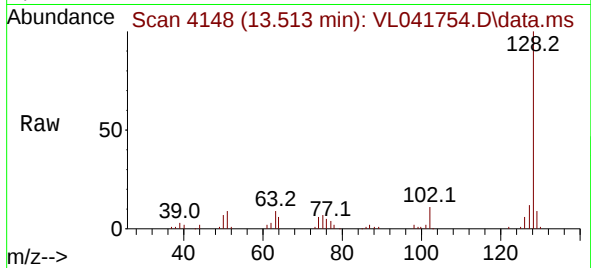
Tgt Ion:225 Resp: 12266  
Ion Ratio Lower Upper  
225 100  
223 65.0 50.5 75.7  
227 65.7 50.3 75.5





#79  
Naphthalene  
Concen: 0.982 ppbv  
RT: 13.513 min Scan# 4148  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34

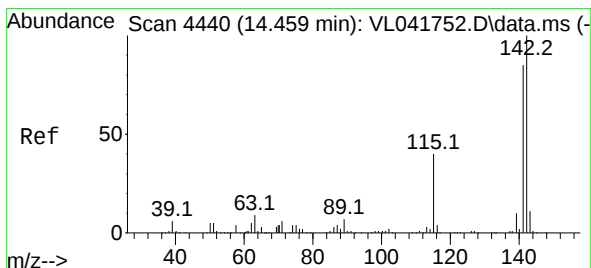
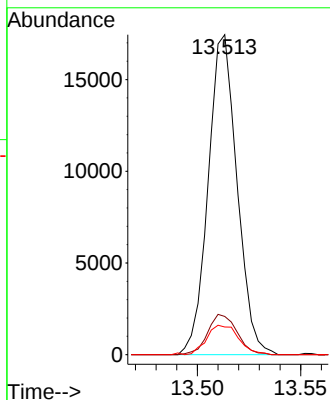
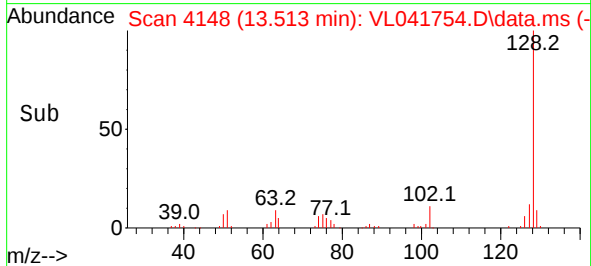
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC001



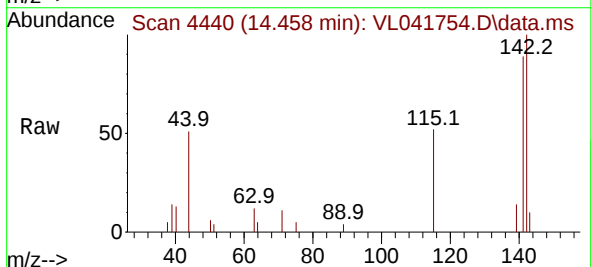
Tgt Ion:128 Resp: 1697  
Ion Ratio Lower Upper  
128 100  
127 12.0 10.7 16.1  
129 8.7 8.2 12.4

Manual Integrations  
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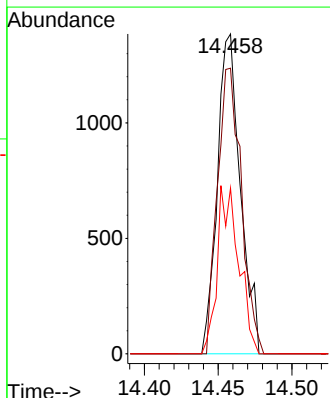
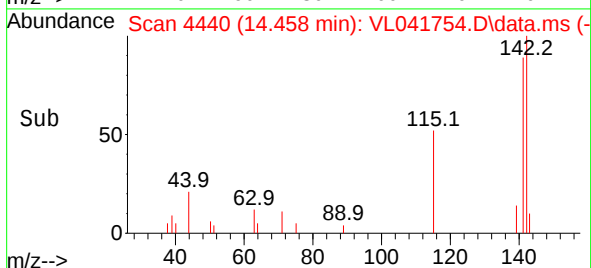
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024

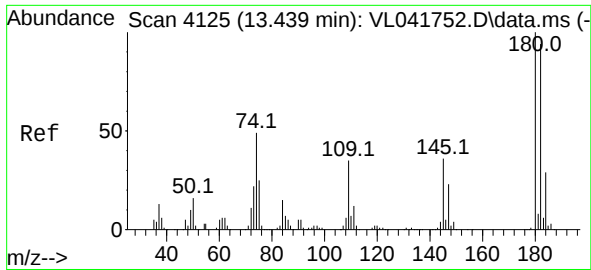


#80  
Naphthalene,2-methyl-  
Concen: 0.281 ppbv  
RT: 14.458 min Scan# 4440  
Delta R.T. -0.000 min  
Lab File: VL041754.D  
Acq: 16 Dec 2024 14:34



Tgt Ion:142 Resp: 1504  
Ion Ratio Lower Upper  
142 100  
141 92.8 68.4 102.6  
115 48.9 32.5 48.7#





#81

1,2,4-Trichlorobenzene

Concen: 0.950 ppbv

RT: 13.439 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041754.D

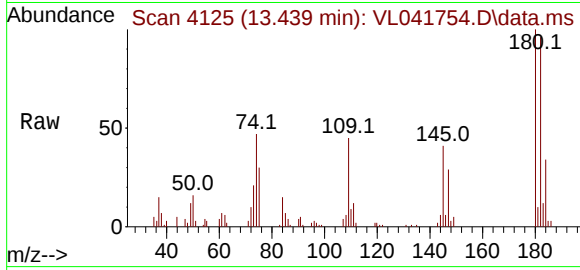
Acq: 16 Dec 2024 14:34

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC001



Tgt Ion:180 Resp: 8973

Ion Ratio Lower Upper

180 100

182 99.0 77.0 115.6

184 34.2 23.8 35.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024

