

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL093025\  
 Data File : VL043025.D  
 Acq On : 30 Sep 2025 13:25  
 Operator : SY/MD  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL093025

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/01/2025  
 Supervised By : Mahesh Dadoda 10/03/2025

Quant Time: Oct 01 00:25:55 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL093025AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2025

QLast Update : Wed Oct 01 00:19:41 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Bromochloromethane         | 2.790  | 49    | 141281   | 10.000   | ppbv       | 0.00     |
| 33) 1,4-Difluorobenzene       | 3.965  | 114   | 433533   | 10.000   | ppbv       | 0.00     |
| 55) Chlorobenzene-d5          | 8.885  | 117   | 392140   | 10.000   | ppbv       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 68) 1-Bromo-4-Fluorobenzene   | 10.380 | 95    | 301195   | 10.139   | ppbv       | 0.00     |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | = 101.400% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.502  | 85    | 242747   | 9.929    | ppbv       | 98       |
| 3) Chlorodifluoromethane      | 1.479  | 51    | 262940   | 10.100   | ppbv       | 99       |
| 4) Chloromethane              | 1.538  | 50    | 91653    | 9.876    | ppbv       | 99       |
| 5) Vinyl Chloride             | 1.583  | 62    | 81839    | 9.092    | ppbv       | 97       |
| 6) Bromomethane               | 1.670  | 94    | 33195    | 10.204   | ppbv       | 99       |
| 7) Chloroethane               | 1.706  | 64    | 33713    | 9.382    | ppbv       | 93       |
| 8) Dichlorotetrafluoroethane  | 1.557  | 85    | 197932   | 9.931    | ppbv       | 99       |
| 9) Propene                    | 1.486  | 41    | 100135   | 9.889    | ppbv       | 100      |
| 10) Heptane                   | 4.985  | 43    | 275368   | 10.544   | ppbv       | 100      |
| 11) Trichlorofluoromethane    | 1.881  | 101   | 245978   | 9.983    | ppbv       | 98       |
| 12) 1,1,2-Trichlorotrifluo... | 2.143  | 101   | 195467   | 10.010   | ppbv       | 99       |
| 13) Ethanol                   | 1.725  | 45    | 8579     | 10.590   | ppbv       | 99       |
| 14) Bromoethene               | 1.787  | 108   | 71908    | 9.881    | ppbv       | 100      |
| 15) Acetone                   | 1.839  | 43    | 189623   | 9.413    | ppbv       | 97       |
| 16) 1,3-Butadiene             | 1.612  | 39    | 78237    | 9.174    | ppbv       | 97       |
| 17) tert-Butyl alcohol        | 2.042  | 59    | 221045   | 9.820    | ppbv       | 99       |
| 18) 1,1-Dichloroethene        | 2.039  | 96    | 86168    | 9.812    | ppbv       | 98       |
| 19) Isopropyl Alcohol         | 1.887  | 45    | 110377   | 9.317    | ppbv #     | 85       |
| 20) Methylene Chloride        | 2.065  | 84    | 94182    | 11.961   | ppbv       | 94       |
| 21) Allyl Chloride            | 2.101  | 41    | 134953   | 9.902    | ppbv       | 99       |
| 22) trans-1,2-Dichloroethene  | 2.343  | 96    | 97695    | 9.827    | ppbv       | 98       |
| 23) Vinyl Acetate             | 2.466  | 43    | 294135   | 10.569   | ppbv       | 99       |
| 24) 1,1-Dichloroethane        | 2.411  | 63    | 185847   | 9.932    | ppbv       | 99       |
| 25) Ethyl Acetate             | 2.839  | 43    | 494082   | 9.615    | ppbv       | 100      |
| 26) Hexane                    | 2.832  | 57    | 235263   | 8.802    | ppbv       | 98       |
| 27) Carbon Disulfide          | 2.153  | 76    | 230309   | 9.798    | ppbv       | 98       |
| 28) Methyl tert-Butyl Ether   | 2.444  | 73    | 120484   | 9.209    | ppbv       | 98       |
| 29) Chloroform                | 2.852  | 83    | 334360   | 10.054   | ppbv       | 99       |
| 30) Cyclohexane               | 3.861  | 84    | 190310   | 10.338   | ppbv       | 99       |
| 31) cis-1,2-Dichloroethene    | 2.725  | 61    | 221658   | 10.215   | ppbv       | 98       |
| 32) 1,1,1-Trichloroethane     | 3.373  | 97    | 337675   | 10.023   | ppbv       | 99       |
| 34) 2-Butanone                | 2.560  | 43    | 317046   | 10.386   | ppbv       | 100      |
| 35) Carbon Tetrachloride      | 3.768  | 117   | 346648   | 9.853    | ppbv       | 96       |
| 36) Benzene                   | 3.661  | 78    | 451462   | 10.390   | ppbv       | 99       |
| 37) 1,2-Dichloroethane        | 3.224  | 62    | 253279   | 10.201   | ppbv       | 100      |
| 38) Trichloroethene           | 4.554  | 130   | 219316   | 10.079   | ppbv       | 97       |
| 39) 1,2-Dichloropropane       | 4.318  | 63    | 161086   | 10.096   | ppbv       | 94       |
| 40) 1,4-Dioxane               | 4.583  | 88    | 71434    | 10.556   | ppbv #     | 96       |
| 41) Tetrahydrofuran           | 3.056  | 42    | 174060   | 10.707   | ppbv       | 99       |
| 42) Bromodichloromethane      | 4.496  | 83    | 361636   | 10.485   | ppbv       | 97       |
| 43) Methyl Methacrylate       | 4.884  | 69    | 170390   | 11.161   | ppbv       | 99       |
| 44) 2,2,4-Trimethylpentane    | 4.648  | 57    | 749612   | 10.486   | ppbv       | 100      |
| 45) t-1,3-Dichloropropene     | 6.422  | 75    | 185804   | 10.704   | ppbv       | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL093025\  
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 Acq On : 30 Sep 2025 13:25  
 Operator : SY/MD  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL093025

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025  
 Supervised By :Mahesh Dadoda 10/03/2025

Quant Time: Oct 01 00:25:55 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL093025AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2025

QLast Update : Wed Oct 01 00:19:41 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.606  | 75   | 243481   | 10.753 | ppbv   | 99       |
| 47) 1,1,2-Trichloroethane     | 6.590  | 97   | 179447   | 10.603 | ppbv   | 96       |
| 48) Dibromochloromethane      | 7.396  | 129  | 305653   | 10.480 | ppbv   | 100      |
| 49) Bromoform                 | 9.490  | 173  | 264418   | 10.681 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.755  | 43   | 423187   | 10.864 | ppbv   | 99       |
| 51) 2-Hexanone                | 7.441  | 43   | 335943   | 11.703 | ppbv # | 100      |
| 52) Tetrachloroethene         | 8.234  | 164  | 166605   | 9.618  | ppbv   | 95       |
| 53) Toluene                   | 6.939  | 91   | 521124   | 10.754 | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 7.661  | 107  | 248872   | 10.537 | ppbv   | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 8.930  | 131  | 227977   | 10.260 | ppbv   | 99       |
| 57) Chlorobenzene             | 8.927  | 112  | 406310   | 10.051 | ppbv   | 100      |
| 58) Ethyl Benzene             | 9.361  | 91   | 713336   | 10.732 | ppbv   | 99       |
| 59) m/p-Xylene                | 9.558  | 91   | 1140572m | 21.327 | ppbv   |          |
| 60) o-Xylene                  | 9.969  | 91   | 568505   | 10.695 | ppbv   | 99       |
| 61) Styrene                   | 9.875  | 104  | 255062   | 11.337 | ppbv   | 100      |
| 62) Isopropylbenzene          | 10.545 | 105  | 839776   | 10.611 | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.969  | 83   | 289419   | 10.145 | ppbv   | 100      |
| 64) n-propylbenzene           | 10.992 | 120  | 221371   | 10.733 | ppbv   | 100      |
| 65) tert-Butylbenzene         | 11.536 | 119  | 758042   | 10.577 | ppbv   | 99       |
| 66) Benzyl Chloride           | 11.620 | 91   | 59902    | 10.477 | ppbv   | 98       |
| 67) sec-Butylbenzene          | 11.772 | 105  | 1040426  | 10.410 | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 11.930 | 119  | 890156   | 10.695 | ppbv   | 100      |
| 70) n-Butylbenzene            | 12.286 | 91   | 878430   | 10.924 | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 10.904 | 91   | 627009   | 10.622 | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 11.128 | 105  | 706144   | 10.799 | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 11.209 | 105  | 586992   | 10.646 | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 11.542 | 105  | 650046   | 10.445 | ppbv   | 99       |
| 75) 1,3-Dichlorobenzene       | 11.613 | 146  | 405004   | 10.187 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 11.675 | 146  | 403123   | 10.375 | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 11.950 | 146  | 389742   | 10.039 | ppbv   | 100      |
| 78) Hexachloro-1,3-Butadiene  | 13.885 | 225  | 283380   | 9.127  | ppbv   | 100      |
| 79) Naphthalene               | 13.516 | 128  | 596815   | 12.089 | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 14.461 | 142  | 153586   | 12.068 | ppbv   | 98       |
| 81) 1,2,4-Trichlorobenzene    | 13.445 | 180  | 324543   | 10.900 | ppbv   | 100      |

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

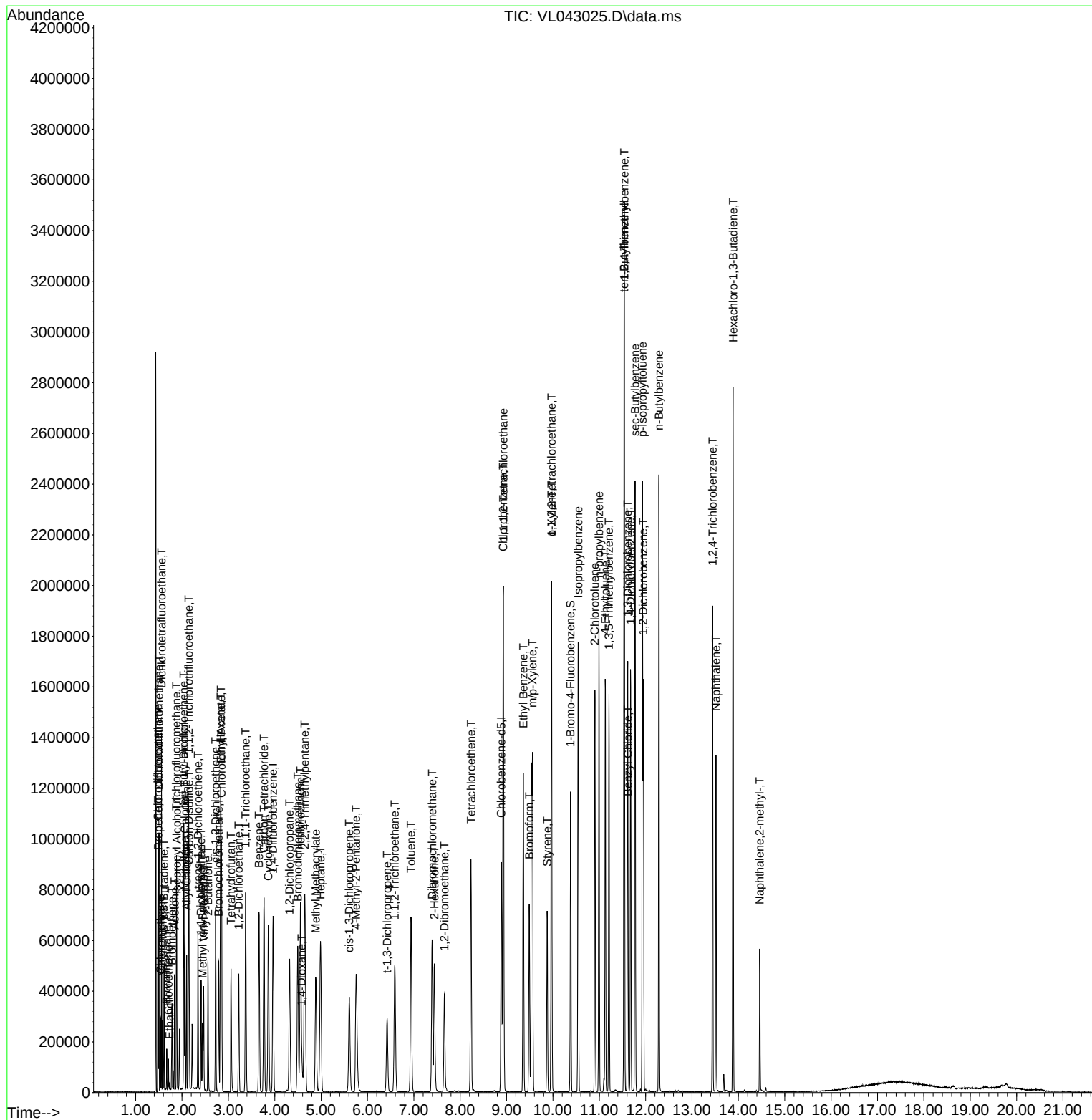
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL093025\  
Data File : VL043025.D  
Acq On : 30 Sep 2025 13:25  
Operator : SY/MD  
Sample : VSTDICV010  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

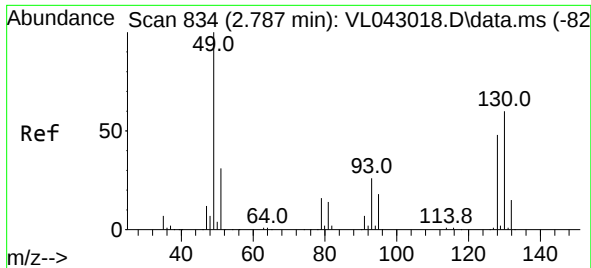
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL093025

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025  
Supervised By :Mahesh Dadoda 10/03/2025

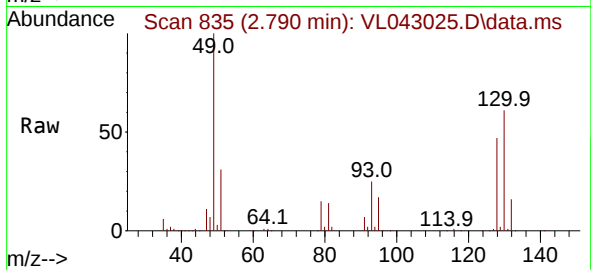
Quant Time: Oct 01 00:25:55 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL093025AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug  
QLast Update : Wed Oct 01 00:19:41 2025  
Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.790 min Scan# 834  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

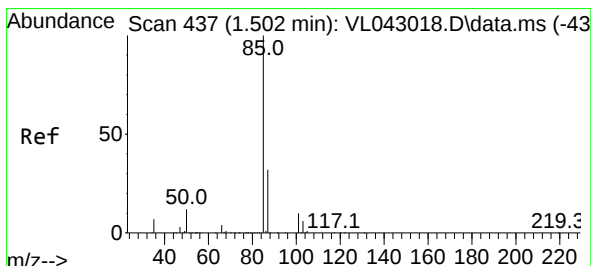
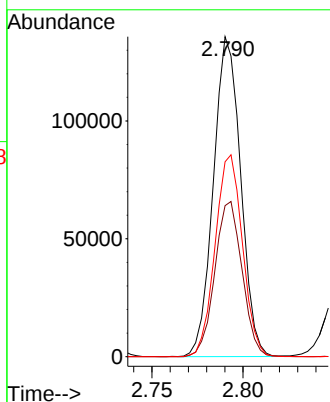
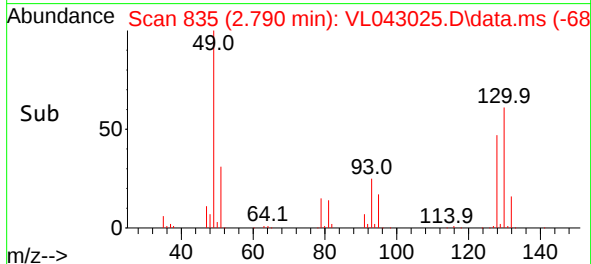
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL093025



Tgt Ion: 49 Resp: 14128  
Ion Ratio Lower Upper  
49 100  
128 48.5 25.2 75.6  
130 63.4 31.6 94.7

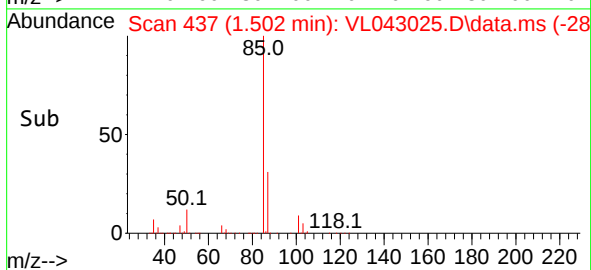
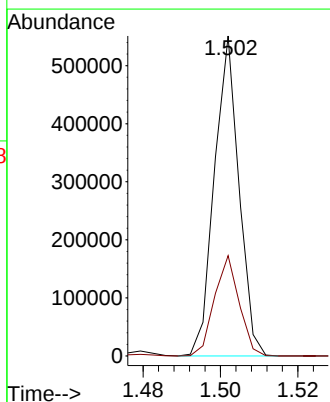
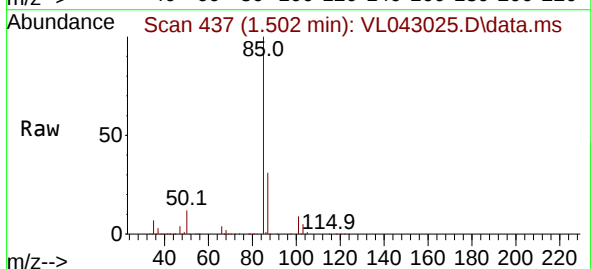
Manual Integrations  
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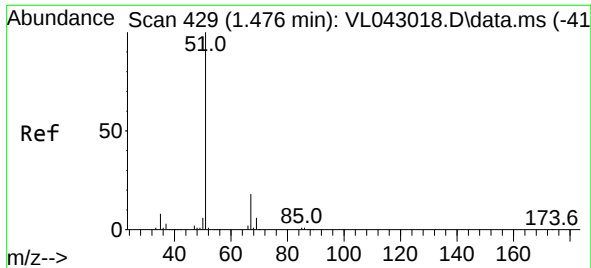
Reviewed By :Semsettin Yesilyurt 10/01/2025  
Supervised By :Mahesh Dadoda 10/03/2025



#2  
Dichlorodifluoromethane  
Concen: 9.929 ppbv  
RT: 1.502 min Scan# 437  
Delta R.T. -0.000 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

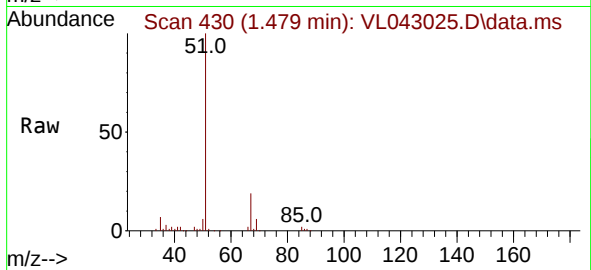
Tgt Ion: 85 Resp: 242747  
Ion Ratio Lower Upper  
85 100  
87 31.4 25.8 38.6





#3  
Chlorodifluoromethane  
Concen: 10.100 ppbv  
RT: 1.479 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

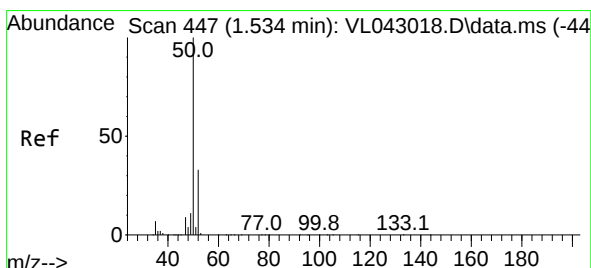
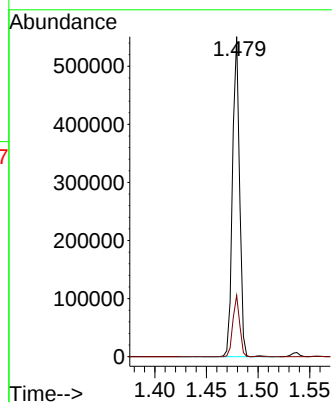
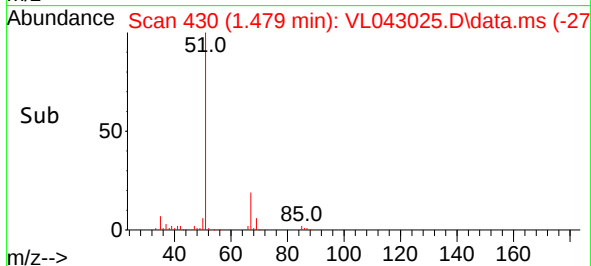
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL093025



Tgt Ion: 51 Resp: 262940  
Ion Ratio Lower Upper  
51 100  
67 18.5 15.1 22.7

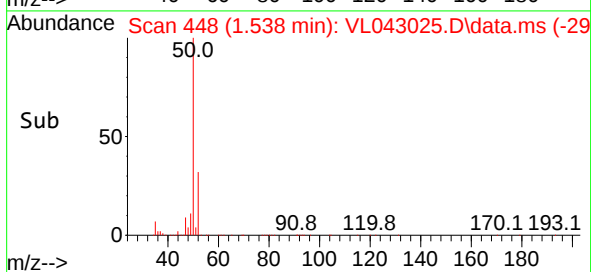
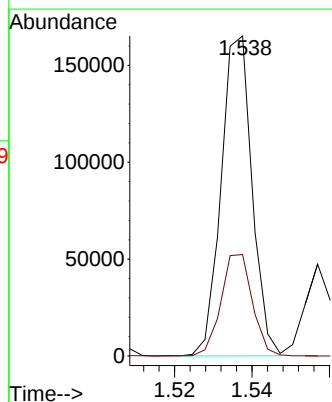
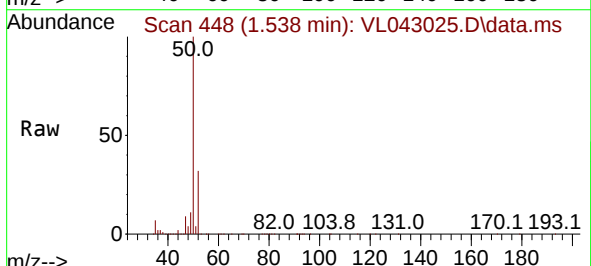
Manual Integrations  
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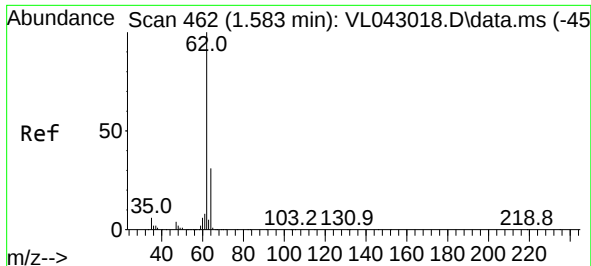
Reviewed By :Semsettin Yesilyurt 10/01/2025  
Supervised By :Mahesh Dadoda 10/03/2025



#4  
Chloromethane  
Concen: 9.876 ppbv  
RT: 1.538 min Scan# 448  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

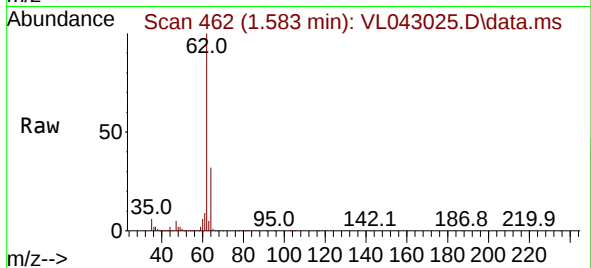
Tgt Ion: 50 Resp: 91653  
Ion Ratio Lower Upper  
50 100  
52 31.7 26.0 39.0





#5  
 Vinyl Chloride  
 Concen: 9.092 ppbv  
 RT: 1.583 min Scan# 462  
 Delta R.T. -0.000 min  
 Lab File: VL043025.D  
 Acq: 30 Sep 2025 13:25

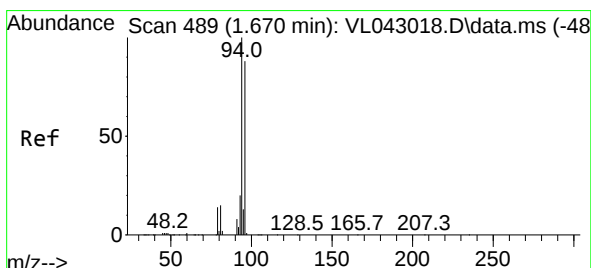
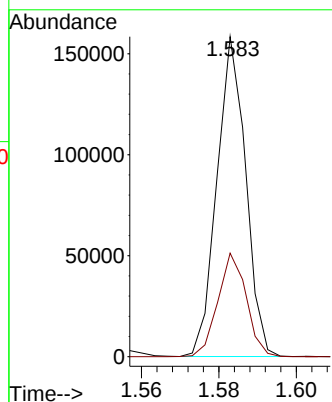
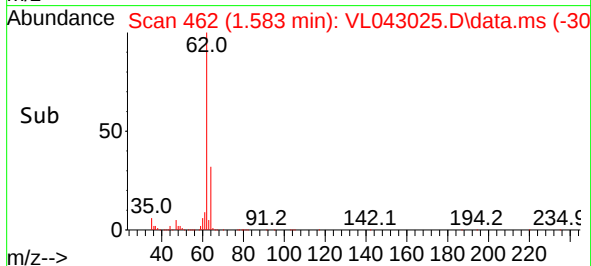
Instrument : MSVOA\_L  
 ClientSampleId : ICVVL093025



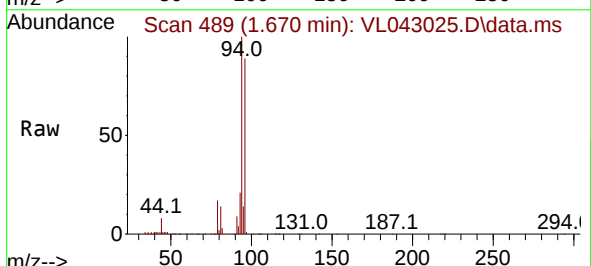
Tgt Ion: 62 Resp: 81839  
 Ion Ratio Lower Upper  
 62 100  
 64 32.3 24.6 37.0

Manual Integrations  
 APPROVED

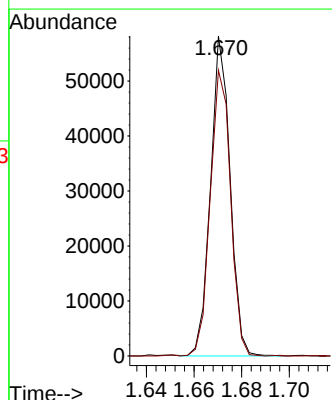
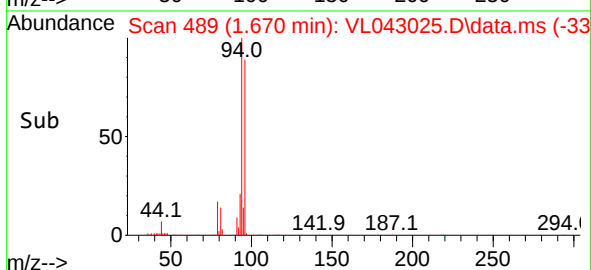
Reviewed By :Semsettin Yesilyurt 10/01/2025  
 Supervised By :Mahesh Dadoda 10/03/2025

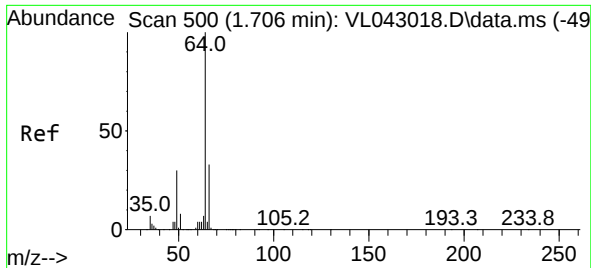


#6  
 Bromomethane  
 Concen: 10.204 ppbv  
 RT: 1.670 min Scan# 489  
 Delta R.T. -0.000 min  
 Lab File: VL043025.D  
 Acq: 30 Sep 2025 13:25



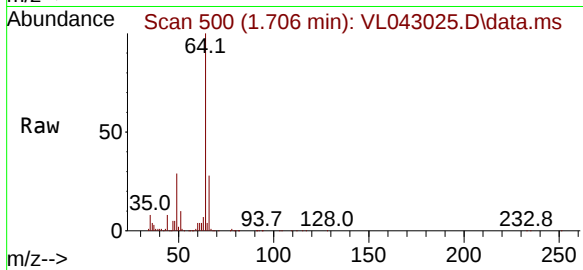
Tgt Ion: 94 Resp: 33195  
 Ion Ratio Lower Upper  
 94 100  
 96 89.3 70.5 105.7





#7  
Chloroethane  
Concen: 9.382 ppbv  
RT: 1.706 min Scan# 500  
Delta R.T. -0.000 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

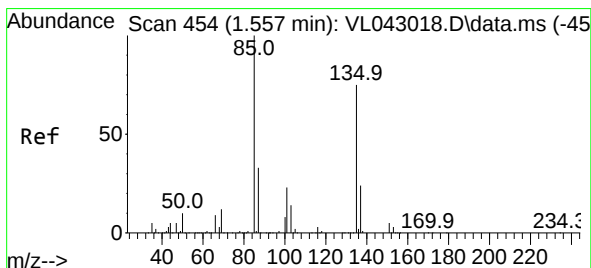
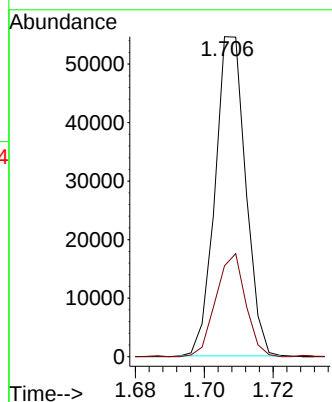
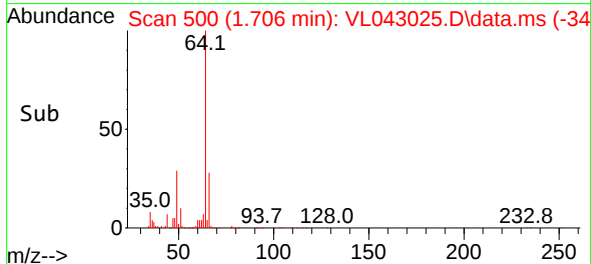
Instrument : MSVOA\_L  
ClientSampleId : ICVVL093025



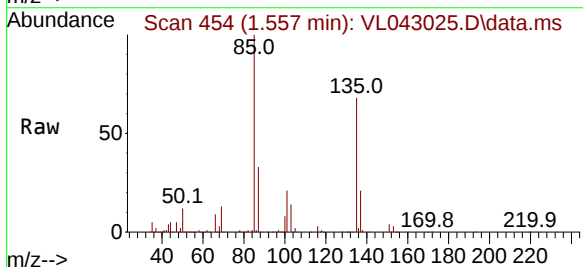
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Ion Ratio Lower Upper  
64 100  
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Manual Integrations  
APPROVED

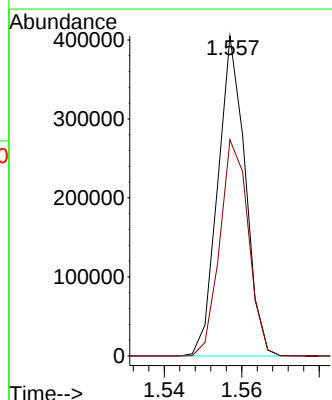
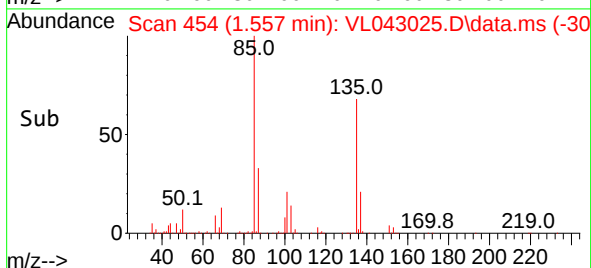
Reviewed By :Semsettin Yesilyurt 10/01/2025  
Supervised By :Mahesh Dadoda 10/03/2025

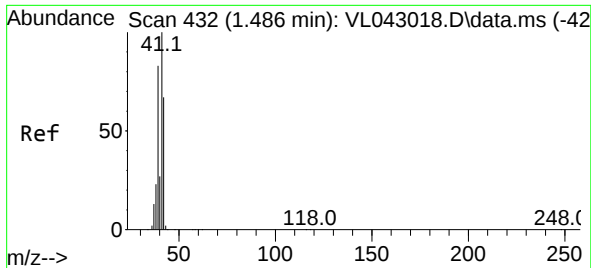


#8  
Dichlorotetrafluoroethane  
Concen: 9.931 ppbv  
RT: 1.557 min Scan# 454  
Delta R.T. -0.000 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25



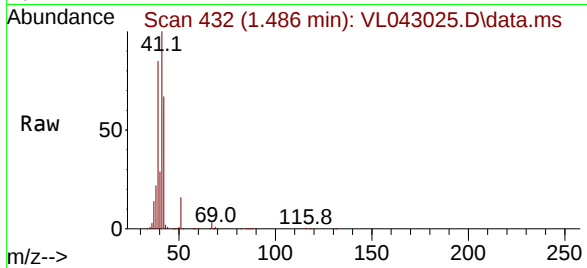
Tgt Ion: 85 Resp: 197932  
Ion Ratio Lower Upper  
85 100  
135 70.8 57.4 86.0





#9  
 Propene  
 Concen: 9.889 ppbv  
 RT: 1.486 min Scan# 41  
 Delta R.T. -0.000 min  
 Lab File: VL043025.D  
 Acq: 30 Sep 2025 13:25

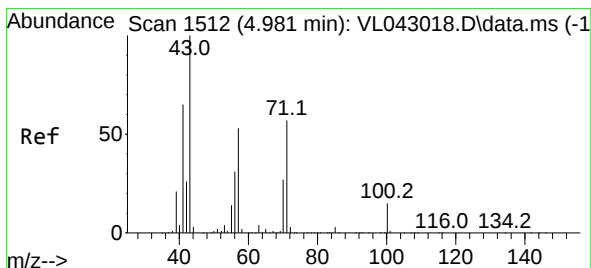
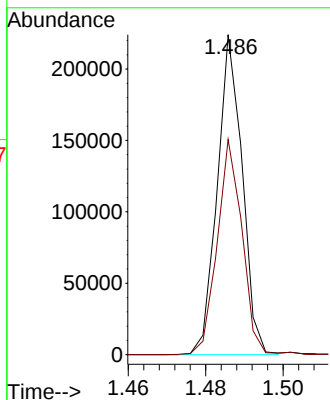
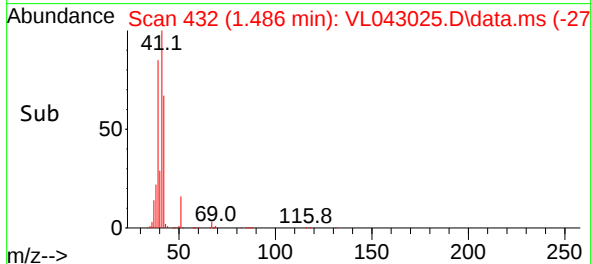
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL093025



Tgt Ion: 41 Resp: 100135  
 Ion Ratio Lower Upper  
 41 100  
 42 67.8 54.2 81.2

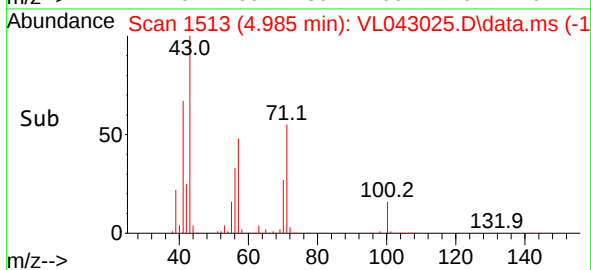
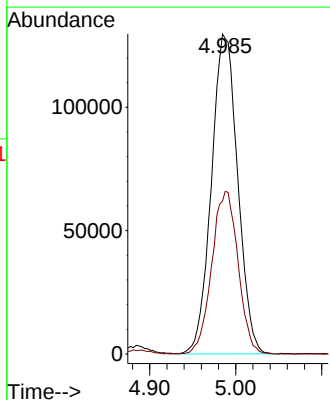
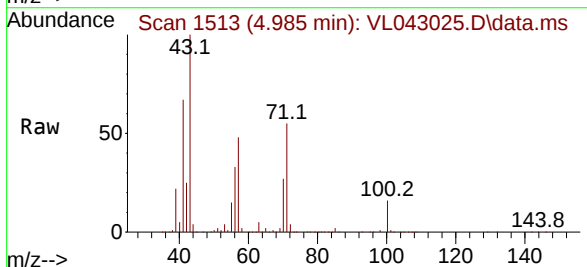
Manual Integrations  
 APPROVED

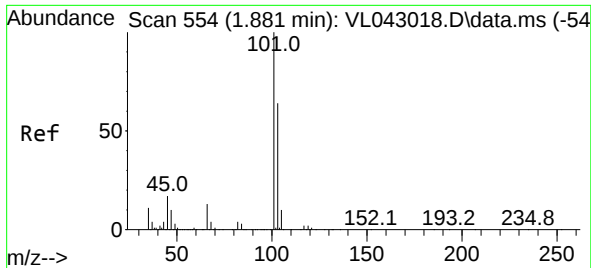
Reviewed By :Semsettin Yesilyurt 10/01/2025  
 Supervised By :Mahesh Dadoda 10/03/2025



#10  
 Heptane  
 Concen: 10.544 ppbv  
 RT: 4.985 min Scan# 1513  
 Delta R.T. 0.003 min  
 Lab File: VL043025.D  
 Acq: 30 Sep 2025 13:25

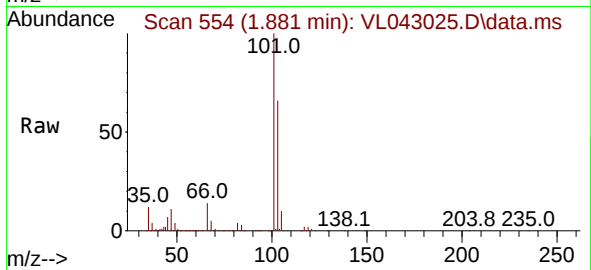
Tgt Ion: 43 Resp: 275368  
 Ion Ratio Lower Upper  
 43 100  
 57 50.7 40.5 60.7





#11  
 Trichlorofluoromethane  
 Concen: 9.983 ppbv  
 RT: 1.881 min Scan# 554  
 Delta R.T. -0.000 min  
 Lab File: VL043025.D  
 Acq: 30 Sep 2025 13:25

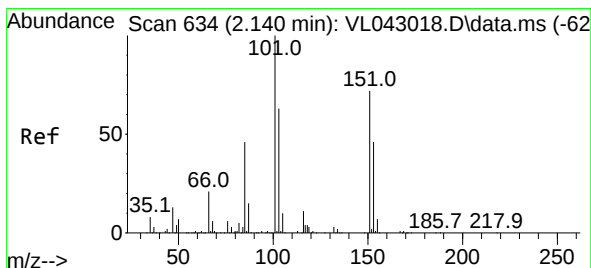
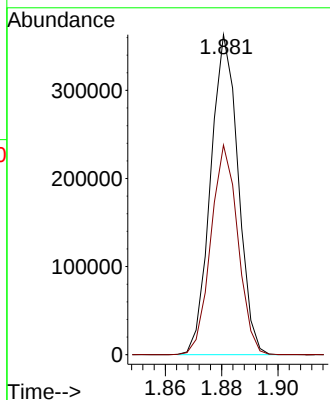
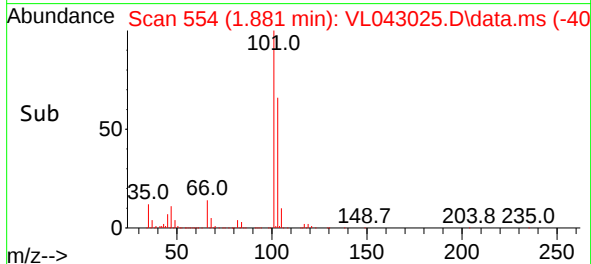
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL093025



Tgt Ion:101 Resp: 245978  
 Ion Ratio Lower Upper  
 101 100  
 103 65.5 51.4 77.0

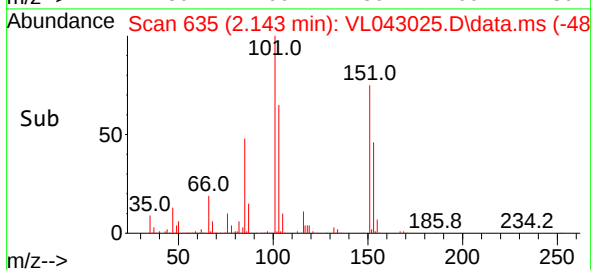
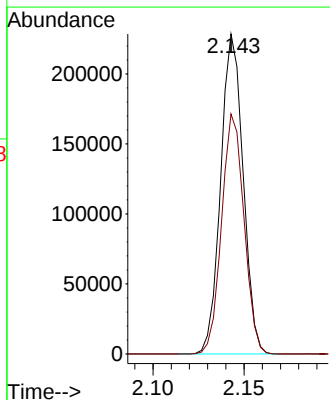
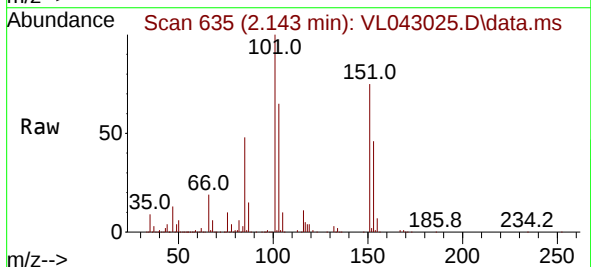
Manual Integrations  
 APPROVED

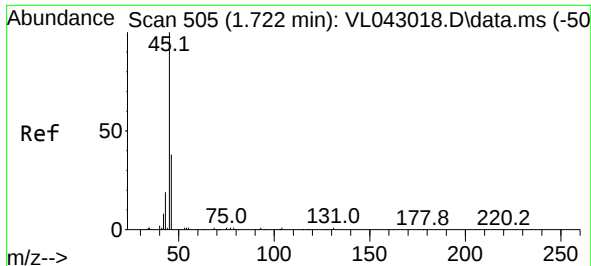
Reviewed By :Semsettin Yesilyurt 10/01/2025  
 Supervised By :Mahesh Dadoda 10/03/2025



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 10.010 ppbv  
 RT: 2.143 min Scan# 635  
 Delta R.T. 0.003 min  
 Lab File: VL043025.D  
 Acq: 30 Sep 2025 13:25

Tgt Ion:101 Resp: 195467  
 Ion Ratio Lower Upper  
 101 100  
 151 74.9 60.2 90.4





#13

Ethanol

Concen: 10.590 ppbv

RT: 1.725 min Scan# 505

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL093025

Tgt Ion: 45 Resp: 8579

Ion Ratio Lower Upper

45 100

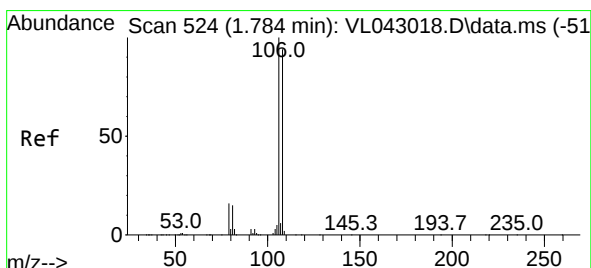
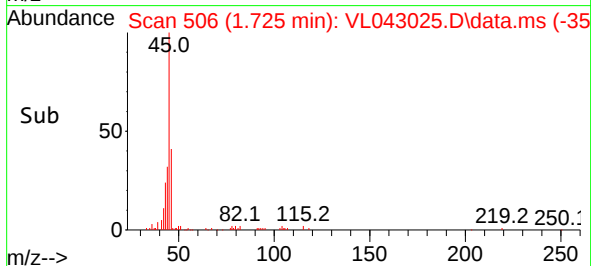
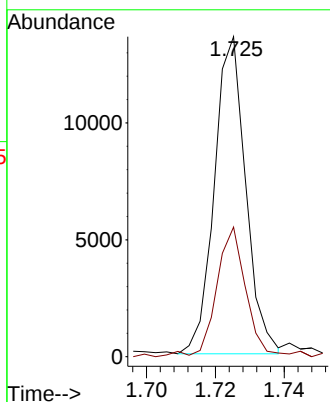
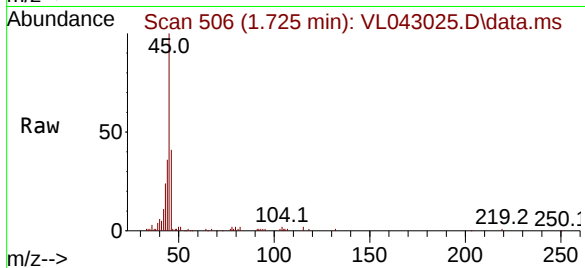
46 39.9 16.2 64.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#14

Bromoethene

Concen: 9.881 ppbv

RT: 1.787 min Scan# 525

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

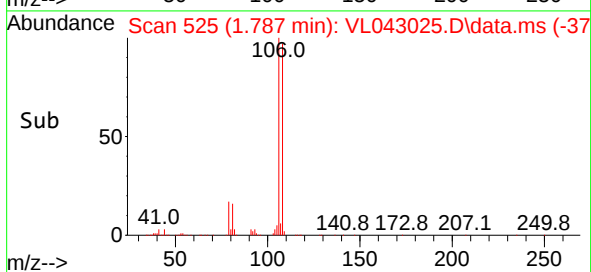
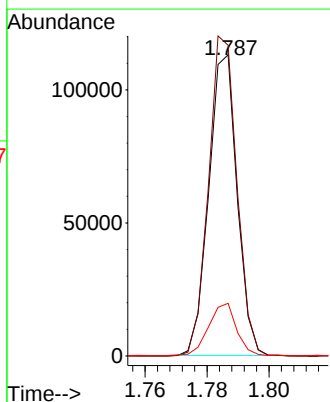
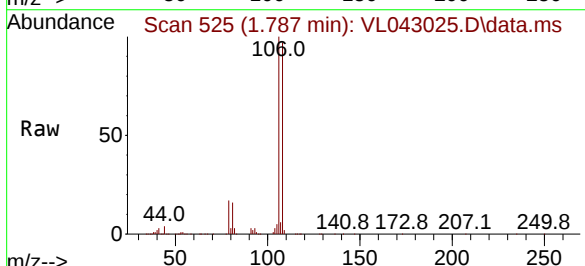
Tgt Ion:108 Resp: 71908

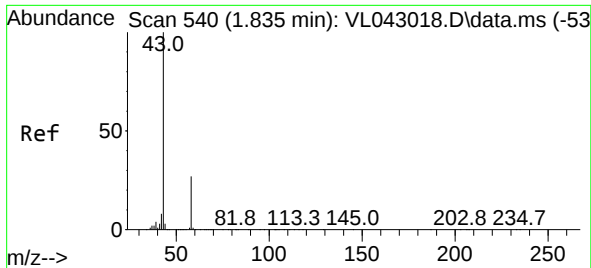
Ion Ratio Lower Upper

108 100

106 106.5 85.4 128.0

79 17.3 13.8 20.8





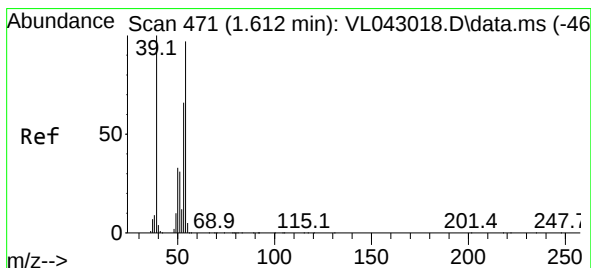
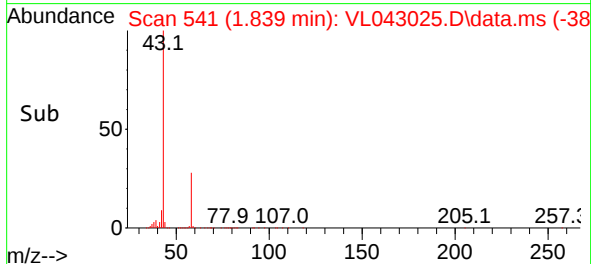
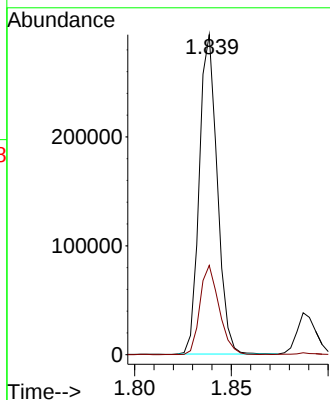
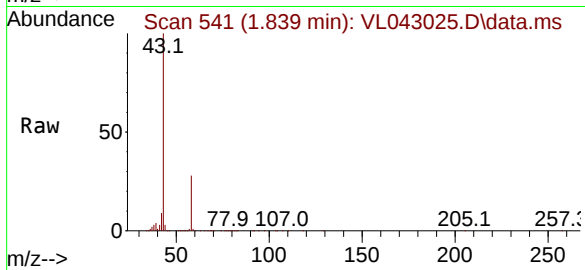
#15  
Acetone  
Concen: 9.413 ppbv  
RT: 1.839 min Scan# 540  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL093025

Tgt Ion: 43 Resp: 18962  
Ion Ratio Lower Upper  
43 100  
58 30.1 22.8 34.2

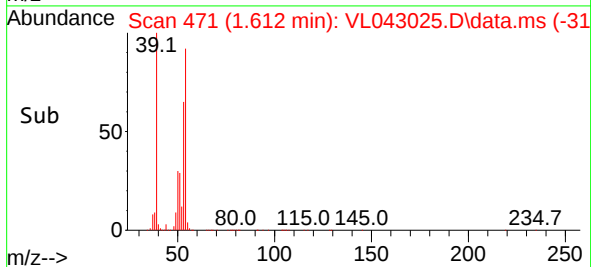
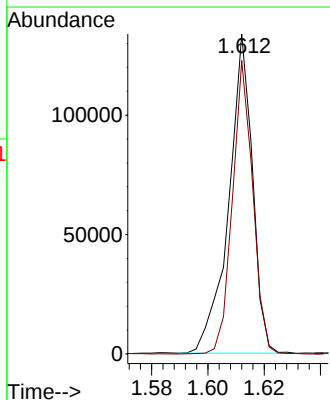
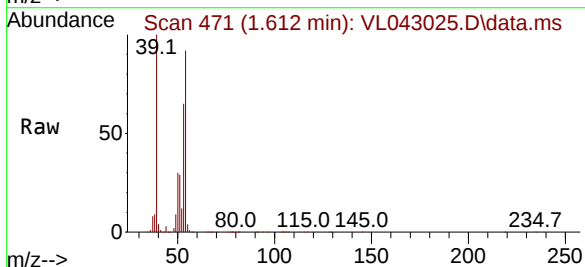
Manual Integrations  
APPROVED

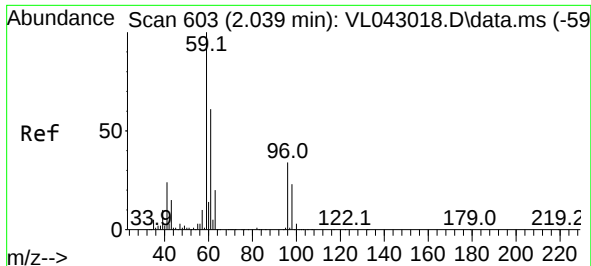
Reviewed By :Semsettin Yesilyurt 10/01/2025  
Supervised By :Mahesh Dadoda 10/03/2025



#16  
1,3-Butadiene  
Concen: 9.174 ppbv  
RT: 1.612 min Scan# 471  
Delta R.T. -0.000 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

Tgt Ion: 39 Resp: 78237  
Ion Ratio Lower Upper  
39 100  
54 79.0 65.4 98.2





#17

tert-Butyl alcohol

Concen: 9.820 ppbv

RT: 2.042 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL093025

Tgt Ion: 59 Resp: 221045

Ion Ratio Lower Upper

59 100

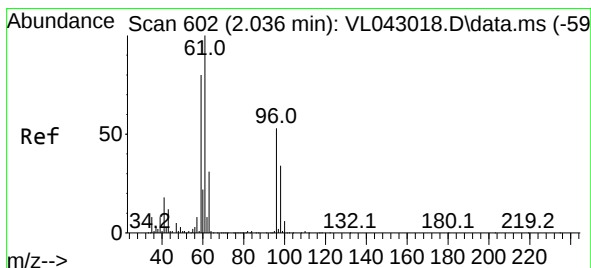
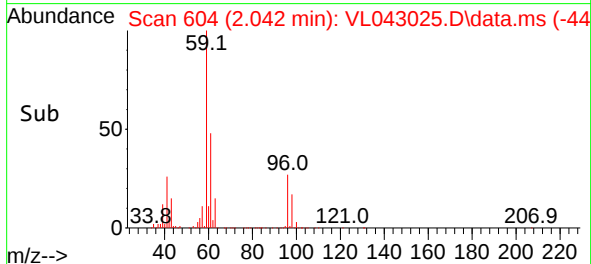
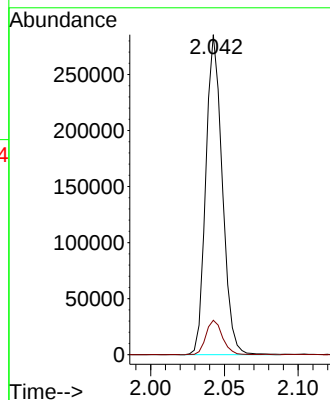
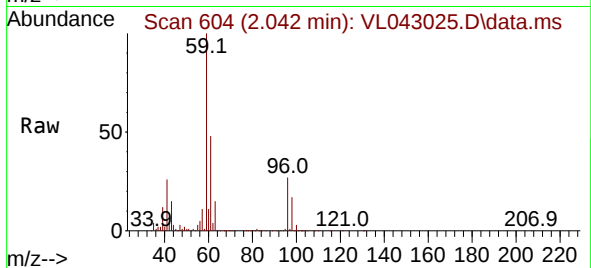
57 10.9 8.4 12.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#18

1,1-Dichloroethene

Concen: 9.812 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

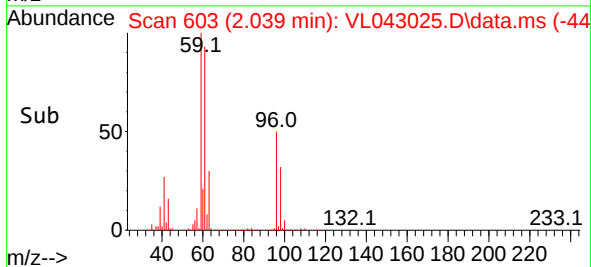
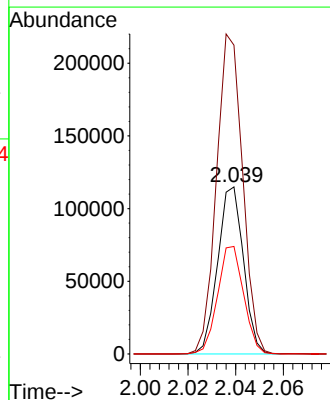
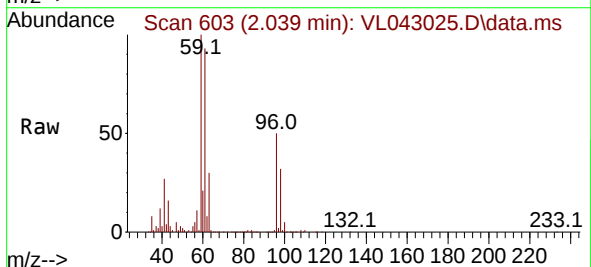
Tgt Ion: 96 Resp: 86168

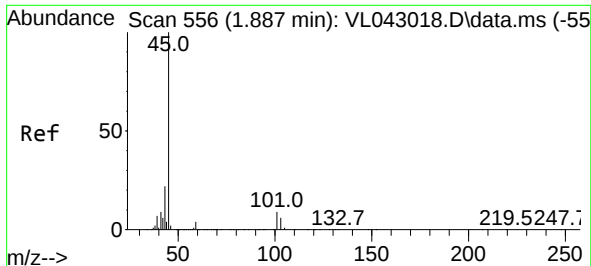
Ion Ratio Lower Upper

96 100

61 184.7 151.4 227.0

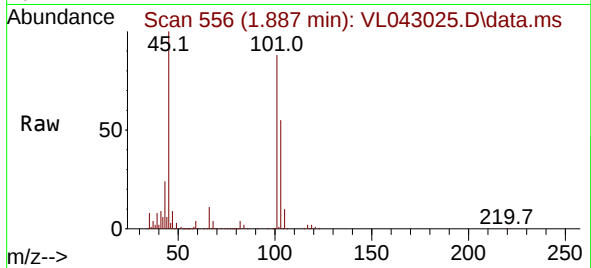
98 64.4 51.5 77.3





#19  
Isopropyl Alcohol  
Concen: 9.317 ppbv  
RT: 1.887 min Scan# 556  
Delta R.T. -0.000 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

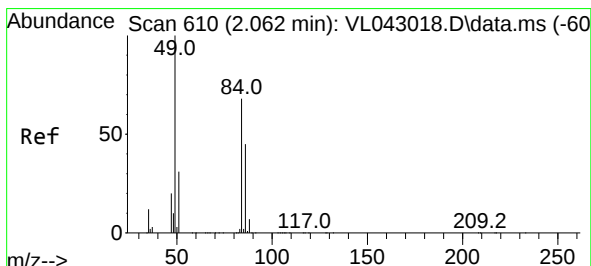
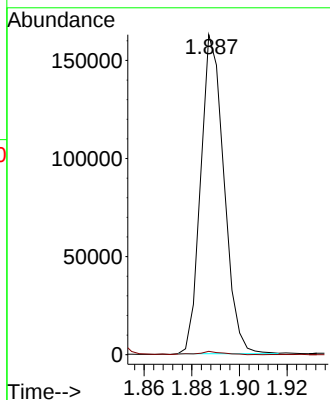
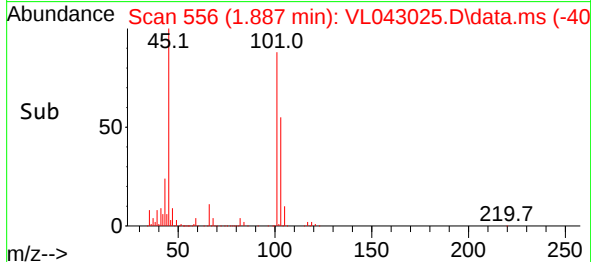
Instrument : MSVOA\_L  
ClientSampleId : ICVVL093025



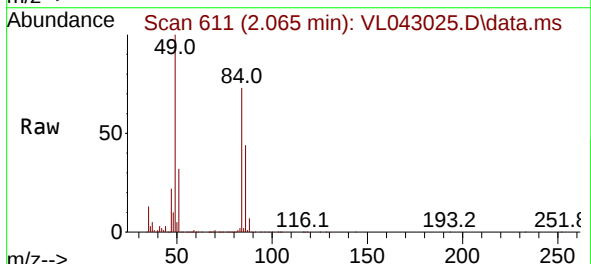
Tgt Ion: 45 Resp: 110372  
Ion Ratio Lower Upper  
45 100  
58 51.7 33.9 50.9

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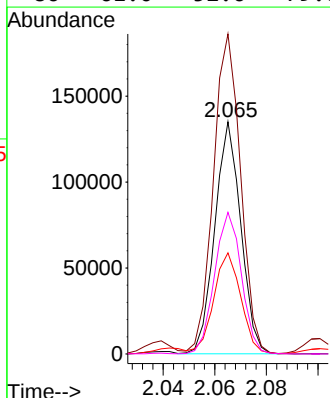
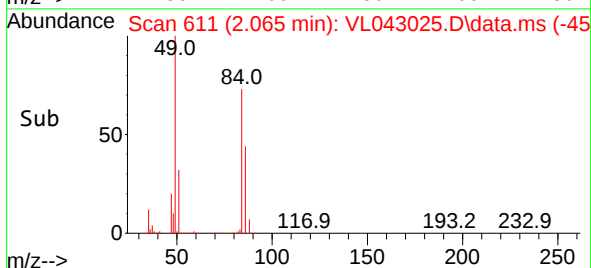
Reviewed By :Semsettin Yesilyurt 10/01/2025  
Supervised By :Mahesh Dadoda 10/03/2025

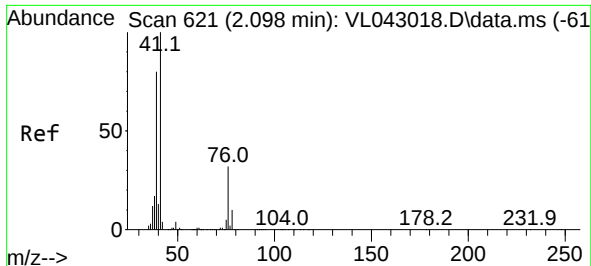


#20  
Methylene Chloride  
Concen: 11.961 ppbv  
RT: 2.065 min Scan# 611  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25



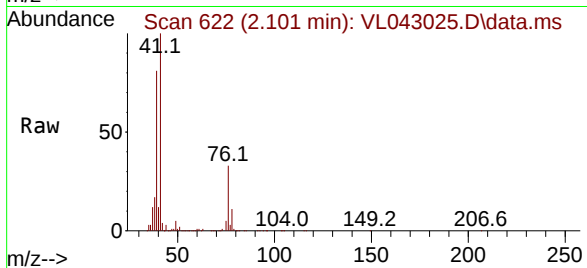
Tgt Ion: 84 Resp: 94182  
Ion Ratio Lower Upper  
84 100  
49 137.8 117.4 176.2  
51 43.5 37.4 56.0  
86 61.0 52.6 79.0





#21  
 Allyl Chloride  
 Concen: 9.902 ppbv  
 RT: 2.101 min Scan# 61  
 Delta R.T. 0.003 min  
 Lab File: VL043025.D  
 Acq: 30 Sep 2025 13:25

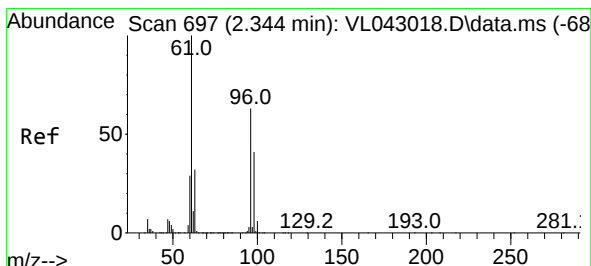
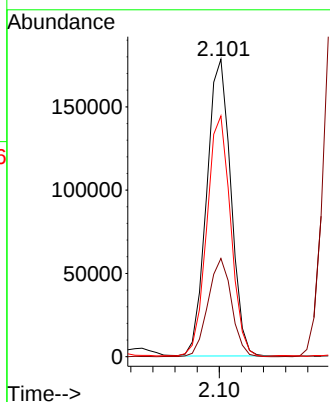
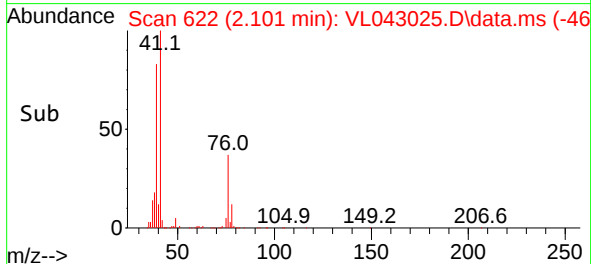
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL093025



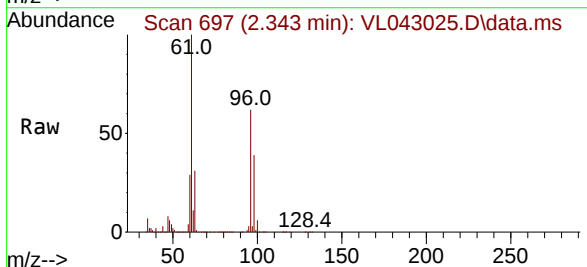
Tgt Ion: 41 Resp: 13495  
 Ion Ratio Lower Upper  
 41 100  
 76 32.4 25.6 38.4  
 39 79.7 62.6 94.0

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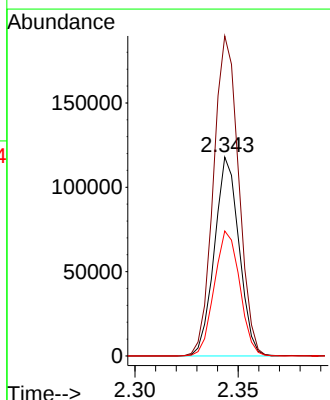
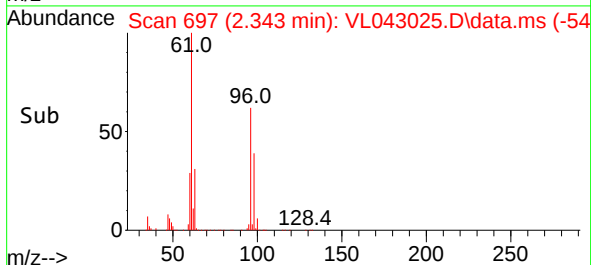
Reviewed By :Semsettin Yesilyurt 10/01/2025  
 Supervised By :Mahesh Dadoda 10/03/2025

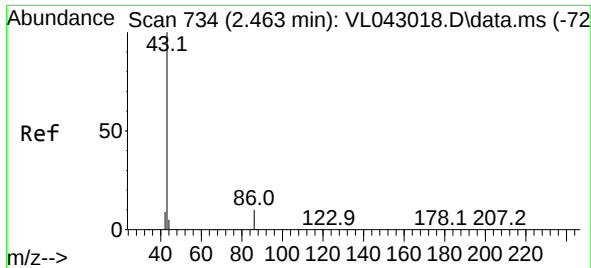


#22  
 trans-1,2-Dichloroethene  
 Concen: 9.827 ppbv  
 RT: 2.343 min Scan# 697  
 Delta R.T. -0.000 min  
 Lab File: VL043025.D  
 Acq: 30 Sep 2025 13:25



Tgt Ion: 96 Resp: 97695  
 Ion Ratio Lower Upper  
 96 100  
 61 160.8 126.1 189.1  
 98 62.8 51.3 76.9





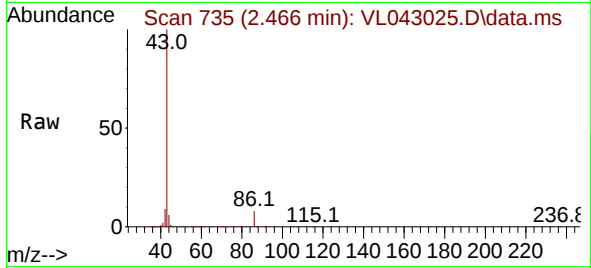
#23  
 Vinyl Acetate  
 Concen: 10.569 ppbv  
 RT: 2.466 min Scan# 718  
 Delta R.T. 0.003 min  
 Lab File: VL043025.D  
 Acq: 30 Sep 2025 13:25

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL093025

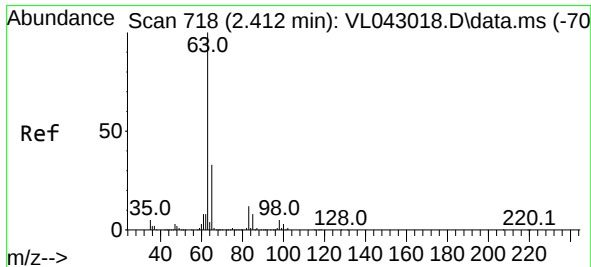
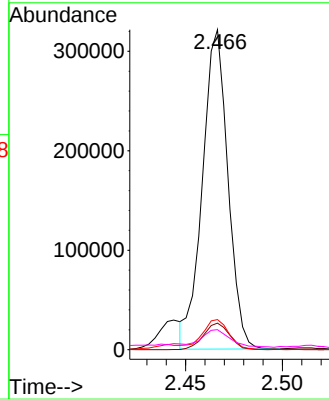
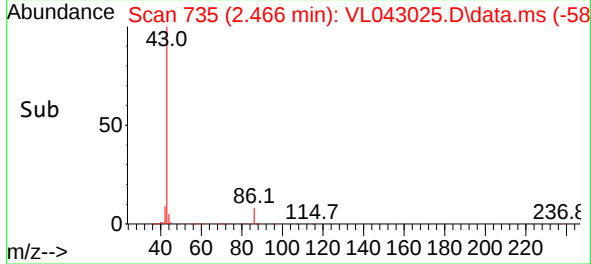


Tgt Ion: 43 Resp: 294135  
 Ion Ratio Lower Upper  
 43 100  
 86 8.3 7.1 10.7  
 42 9.3 7.9 11.9  
 44 5.2 4.3 6.5

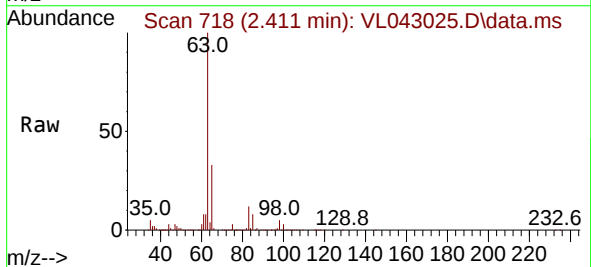
Manual Integrations

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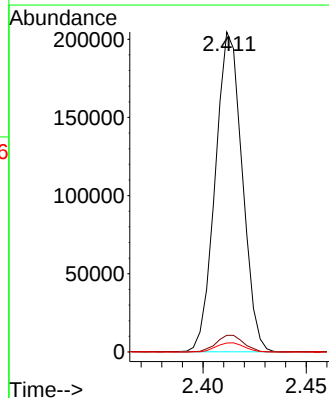
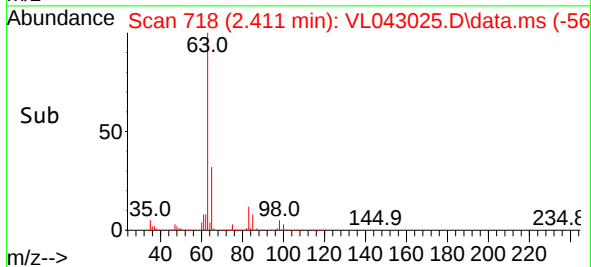
Reviewed By :Semsettin Yesilyurt 10/01/2025  
 Supervised By :Mahesh Dadoda 10/03/2025

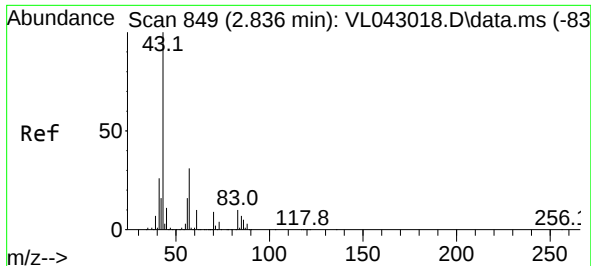


#24  
 1,1-Dichloroethane  
 Concen: 9.932 ppbv  
 RT: 2.411 min Scan# 718  
 Delta R.T. -0.000 min  
 Lab File: VL043025.D  
 Acq: 30 Sep 2025 13:25



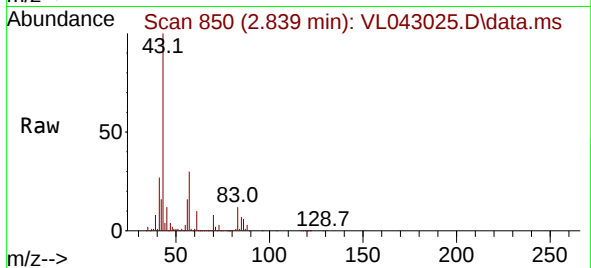
Tgt Ion: 63 Resp: 185847  
 Ion Ratio Lower Upper  
 63 100  
 98 5.2 2.4 7.2  
 100 2.8 1.6 4.8





#25  
Ethyl Acetate  
Concen: 9.615 ppbv  
RT: 2.839 min Scan# 849  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

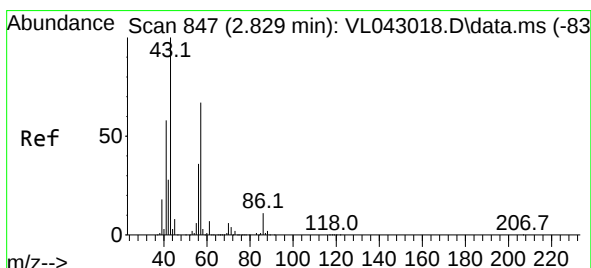
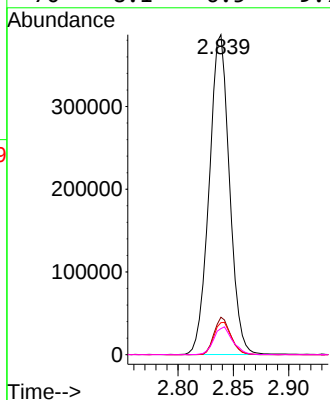
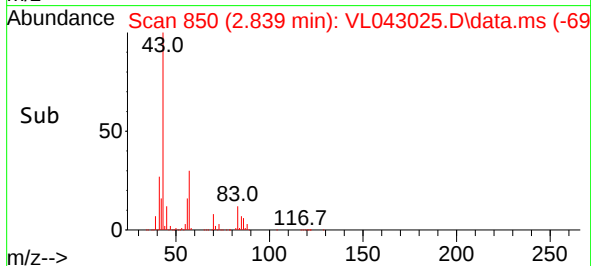
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL093025



Tgt Ion: 43 Resp: 494082  
Ion Ratio Lower Upper  
43 100  
45 9.7 7.8 11.6  
61 8.9 7.0 10.4  
70 8.1 6.5 9.7

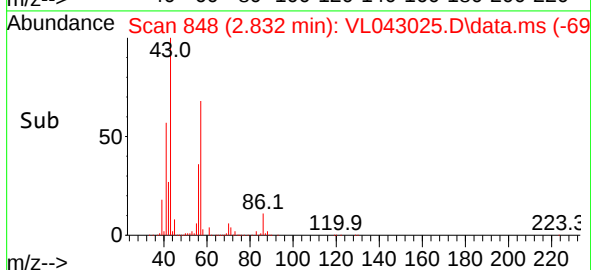
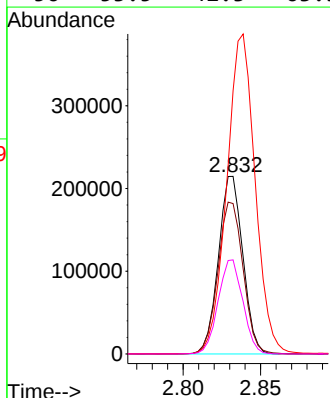
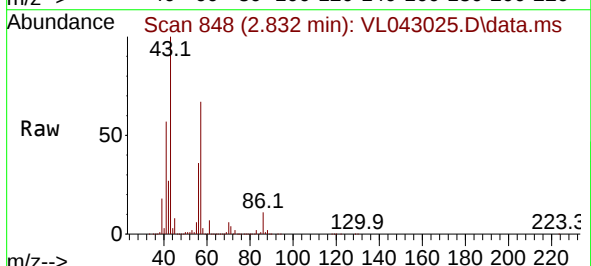
Manual Integrations  
APPROVED

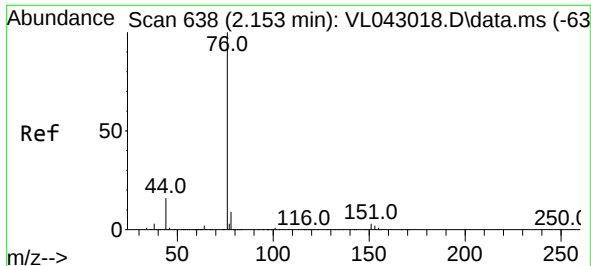
Reviewed By :Semsettin Yesilyurt 10/01/2025  
Supervised By :Mahesh Dadoda 10/03/2025



#26  
Hexane  
Concen: 8.802 ppbv  
RT: 2.832 min Scan# 848  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

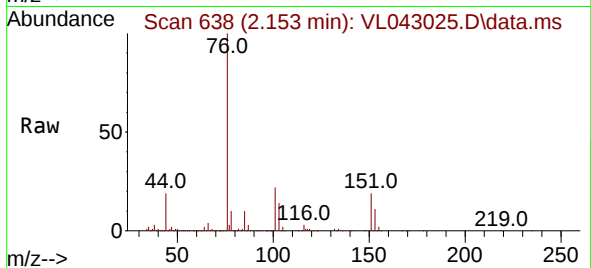
Tgt Ion: 57 Resp: 235263  
Ion Ratio Lower Upper  
57 100  
41 88.7 70.3 105.5  
43 210.8 172.1 258.1  
56 53.5 42.3 63.5





#27  
Carbon Disulfide  
Concen: 9.798 ppbv  
RT: 2.153 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

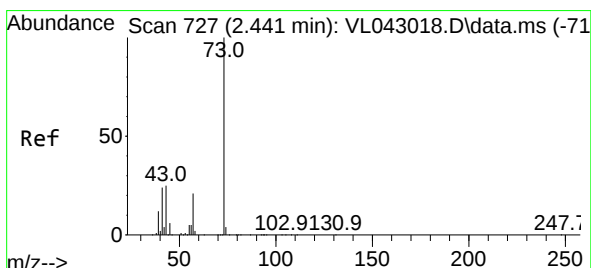
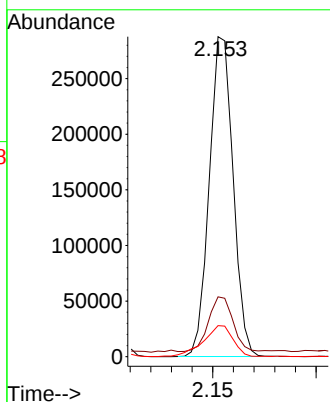
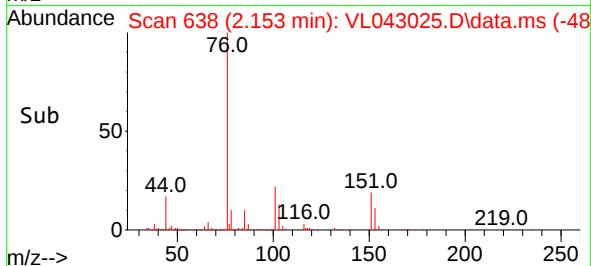
Instrument : MSVOA\_L  
ClientSampleId : ICVVL093025



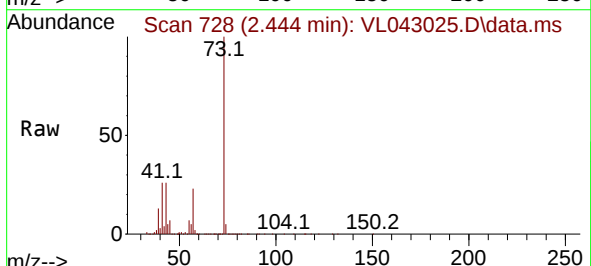
Tgt Ion: 76 Resp: 230309  
Ion Ratio Lower Upper  
76 100  
44 19.5 14.6 21.8  
78 12.1 9.4 14.2

Manual Integrations  
APPROVED

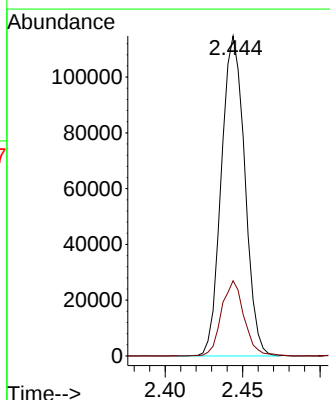
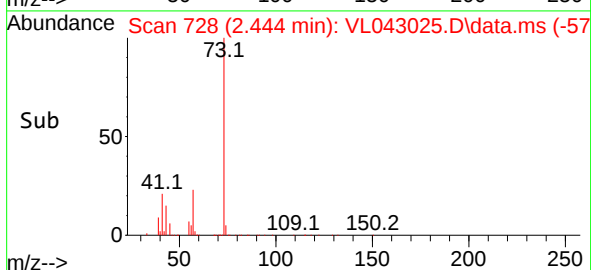
Reviewed By :Semsettin Yesilyurt 10/01/2025  
Supervised By :Mahesh Dadoda 10/03/2025

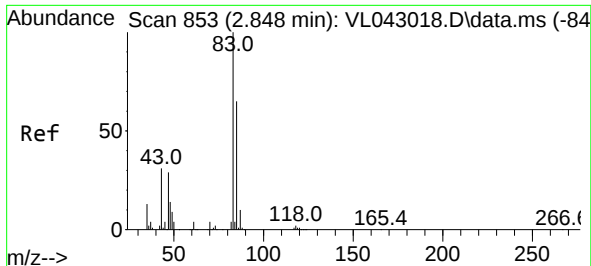


#28  
Methyl tert-Butyl Ether  
Concen: 9.209 ppbv  
RT: 2.444 min Scan# 728  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25



Tgt Ion: 73 Resp: 120484  
Ion Ratio Lower Upper  
73 100  
57 22.9 17.7 26.5





#29

Chloroform

Concen: 10.054 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL093025

Tgt Ion: 83 Resp: 334360

Ion Ratio Lower Upper

83 100

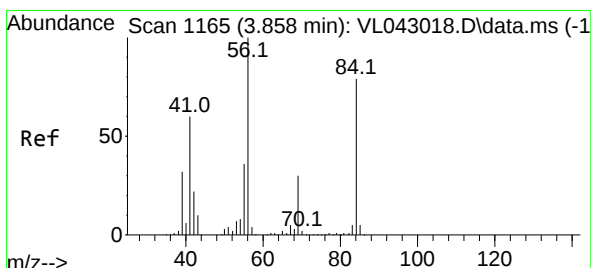
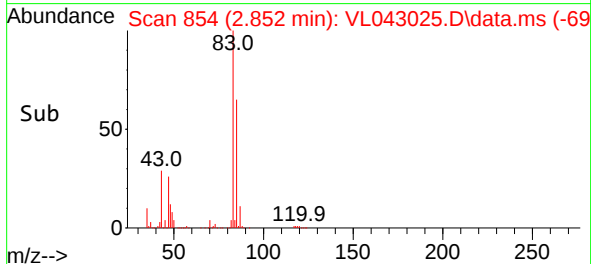
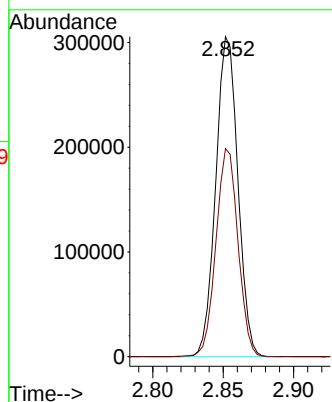
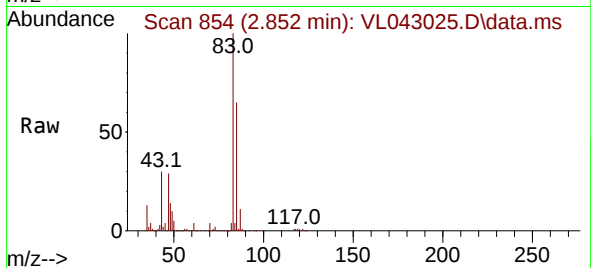
85 65.0 51.7 77.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#30

Cyclohexane

Concen: 10.338 ppbv

RT: 3.861 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

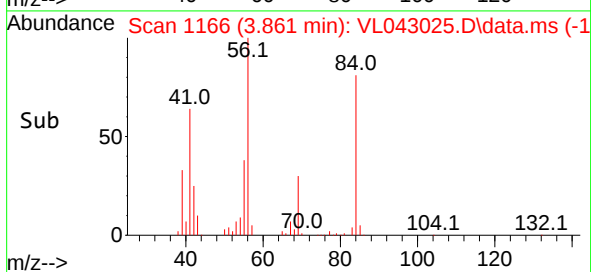
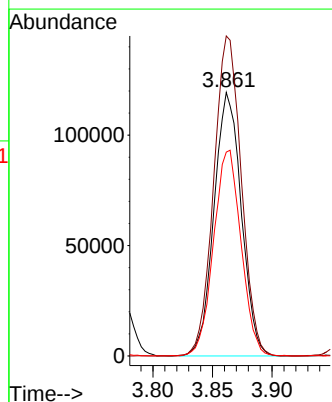
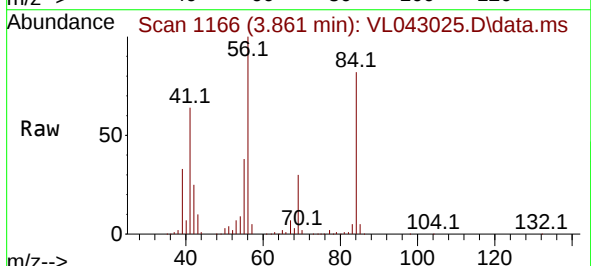
Tgt Ion: 84 Resp: 190310

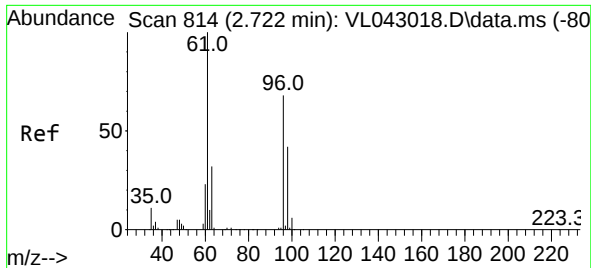
Ion Ratio Lower Upper

84 100

56 122.6 97.3 145.9

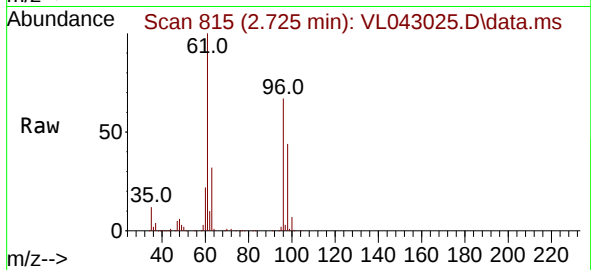
41 78.6 62.6 93.8





#31  
 cis-1,2-Dichloroethene  
 Concen: 10.215 ppbv  
 RT: 2.725 min Scan# 814  
 Delta R.T. 0.003 min  
 Lab File: VL043025.D  
 Acq: 30 Sep 2025 13:25

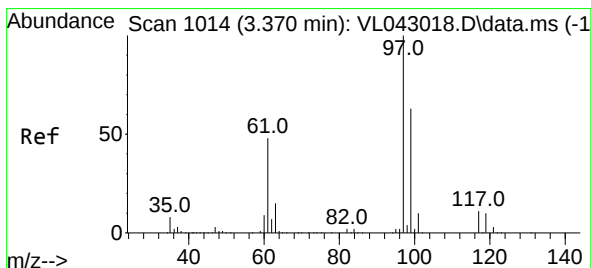
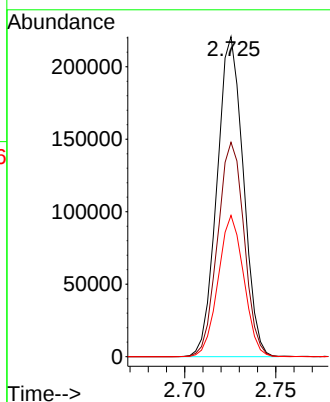
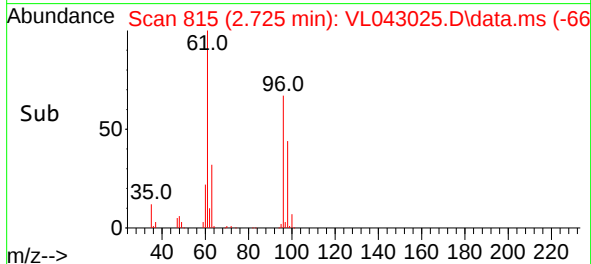
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL093025



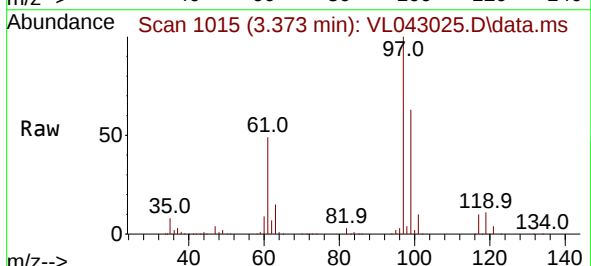
Tgt Ion: 61 Resp: 221658  
 Ion Ratio Lower Upper  
 61 100  
 96 67.0 54.4 81.6  
 98 44.2 33.7 50.5

Manual Integrations  
 APPROVED

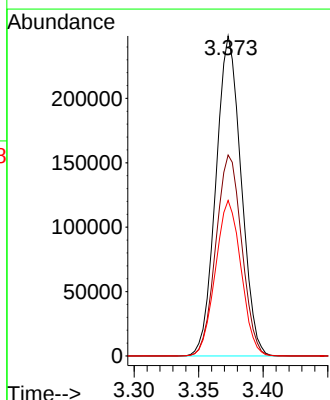
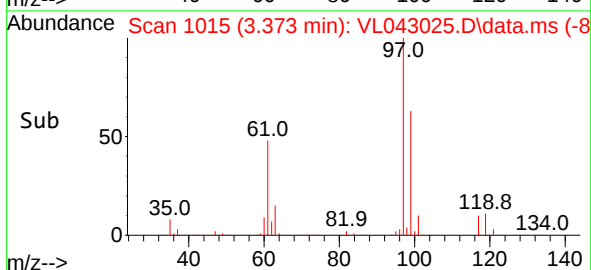
Reviewed By :Semsettin Yesilyurt 10/01/2025  
 Supervised By :Mahesh Dadoda 10/03/2025

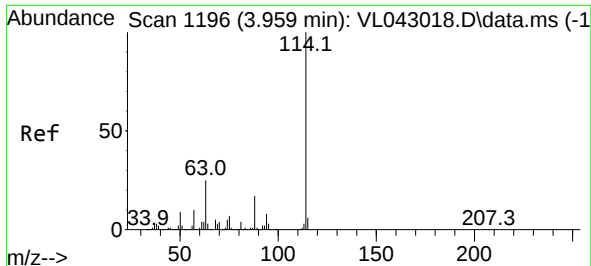


#32  
 1,1,1-Trichloroethane  
 Concen: 10.023 ppbv  
 RT: 3.373 min Scan# 1015  
 Delta R.T. 0.003 min  
 Lab File: VL043025.D  
 Acq: 30 Sep 2025 13:25



Tgt Ion: 97 Resp: 337675  
 Ion Ratio Lower Upper  
 97 100  
 99 64.4 51.4 77.0  
 61 49.4 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1196

Delta R.T. 0.006 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA\_L

ClientSampleId :

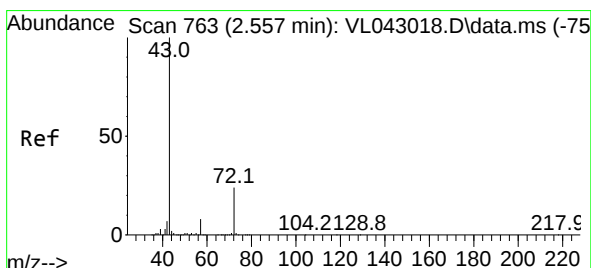
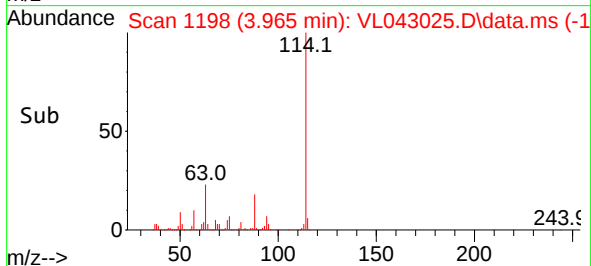
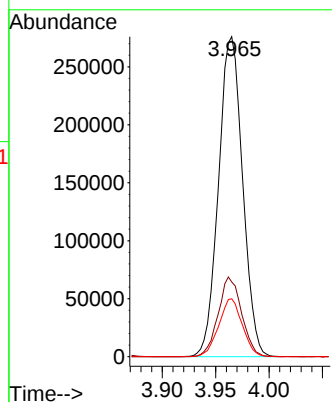
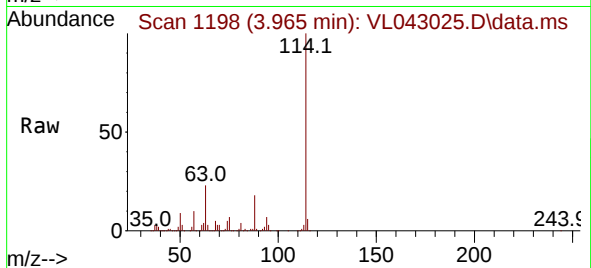
ICVVL093025

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 114   | Resp: | 43353 |
| Ion Ratio | Lower | Upper |       |
| 114       | 100   |       |       |
| 63        | 24.2  | 19.7  | 29.5  |
| 88        | 17.7  | 13.8  | 20.6  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025  
Supervised By :Mahesh Dadoda 10/03/2025



#34

2-Butanone

Concen: 10.386 ppbv

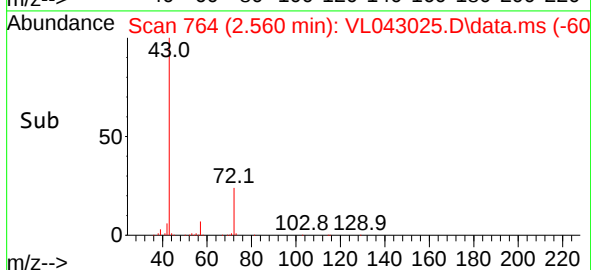
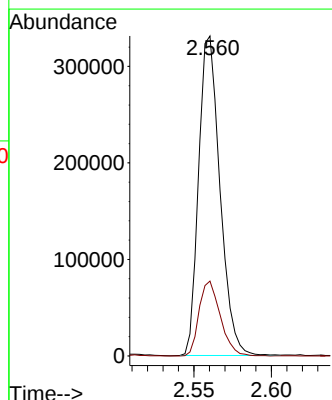
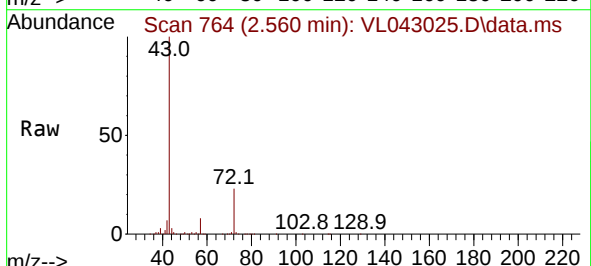
RT: 2.560 min Scan# 764

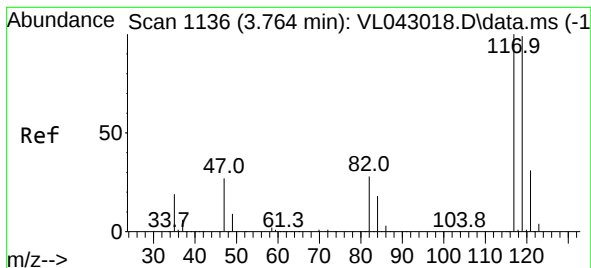
Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 317046 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 72        | 23.4  | 18.7  | 28.1   |





#35

Carbon Tetrachloride

Concen: 9.853 ppbv

RT: 3.768 min Scan# 1136

Delta R.T. 0.003 min

Lab File: VL043025.D

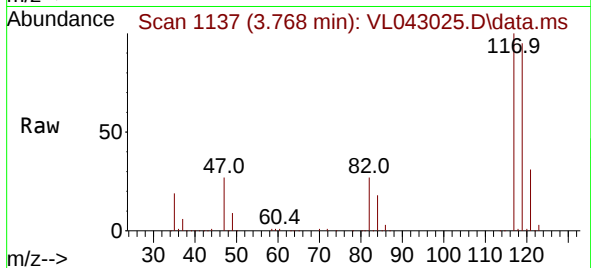
Acq: 30 Sep 2025 13:25

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL093025



Tgt Ion: 117 Resp: 346648

Ion Ratio Lower Upper

117 100

119 94.5 79.1 118.7

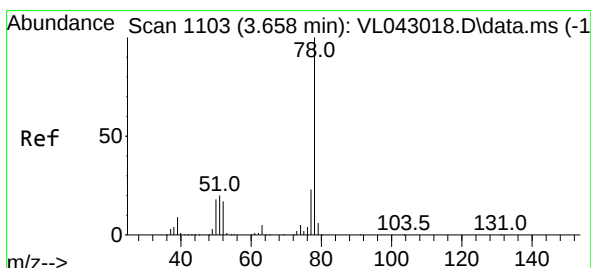
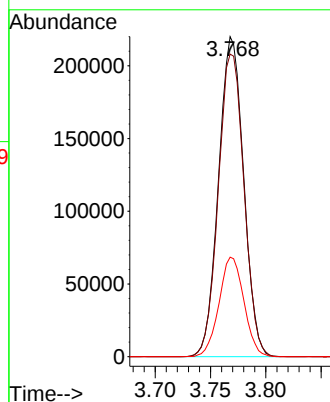
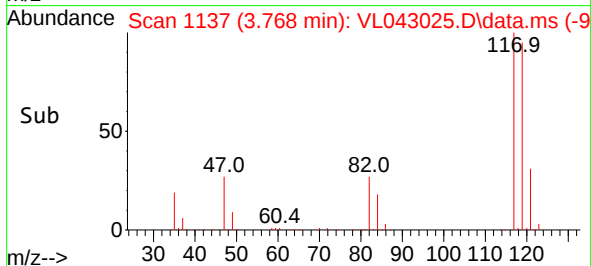
121 31.1 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#36

Benzene

Concen: 10.390 ppbv

RT: 3.661 min Scan# 1104

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

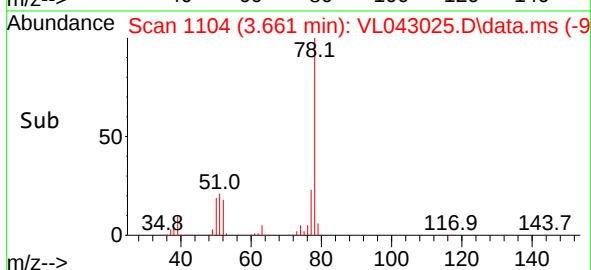
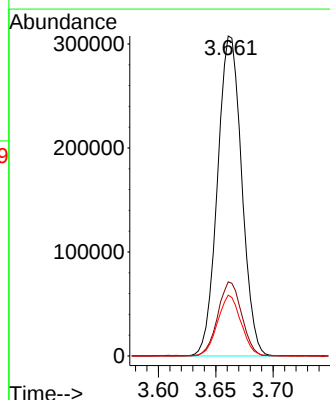
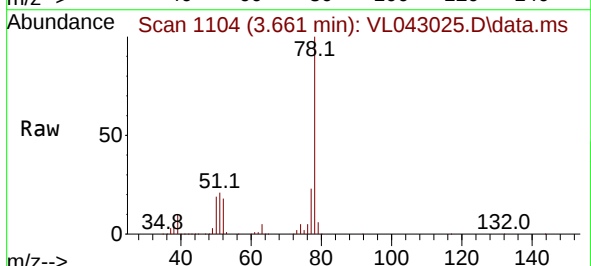
Tgt Ion: 78 Resp: 451462

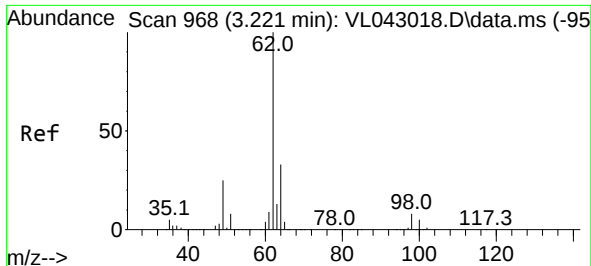
Ion Ratio Lower Upper

78 100

77 23.1 18.8 28.2

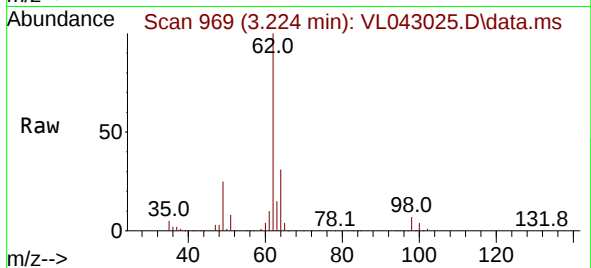
50 19.0 14.5 21.7





#37  
1,2-Dichloroethane  
Concen: 10.201 ppbv  
RT: 3.224 min Scan# 968  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

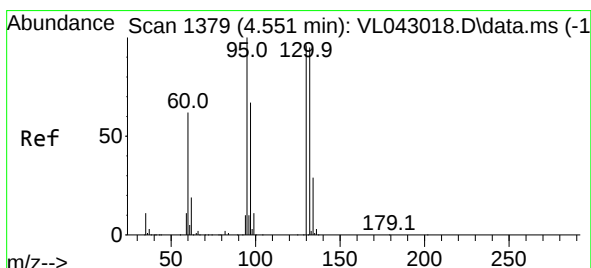
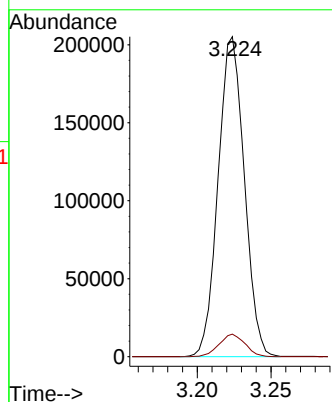
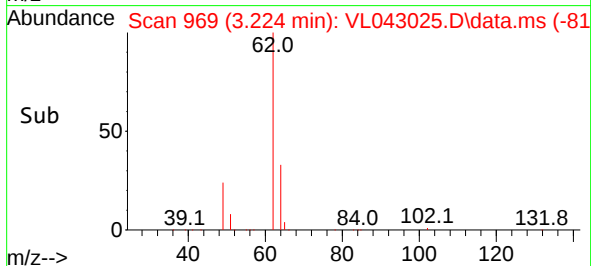
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL093025



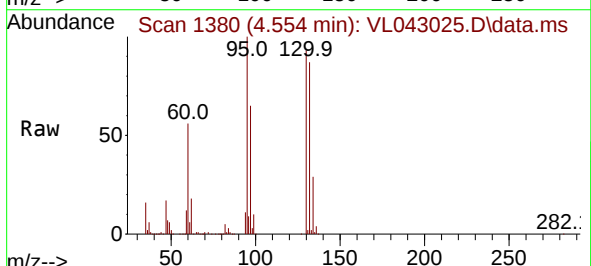
Tgt Ion: 62 Resp: 253279  
Ion Ratio Lower Upper  
62 100  
98 7.0 5.7 8.5

Manual Integrations  
APPROVED

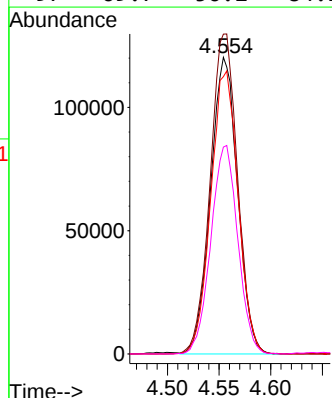
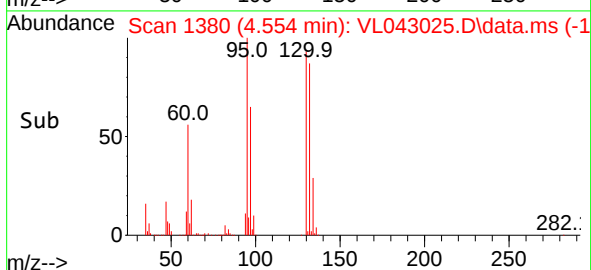
Reviewed By :Semsettin Yesilyurt 10/01/2025  
Supervised By :Mahesh Dadoda 10/03/2025

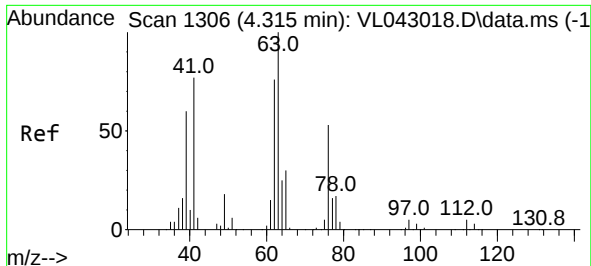


#38  
Trichloroethene  
Concen: 10.079 ppbv  
RT: 4.554 min Scan# 1380  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25



Tgt Ion:130 Resp: 219316  
Ion Ratio Lower Upper  
130 100  
95 107.8 83.4 125.0  
132 93.4 79.0 118.4  
97 69.7 56.2 84.2





#39

1,2-Dichloropropane

Concen: 10.096 ppbv

RT: 4.318 min Scan# 1306

Delta R.T. 0.003 min

Lab File: VL043025.D

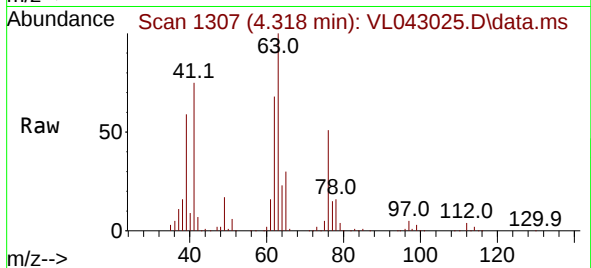
Acq: 30 Sep 2025 13:25

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL093025



Tgt Ion: 63 Resp: 161086

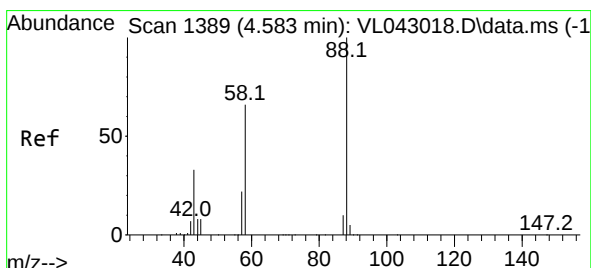
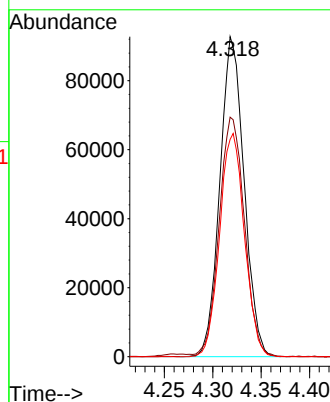
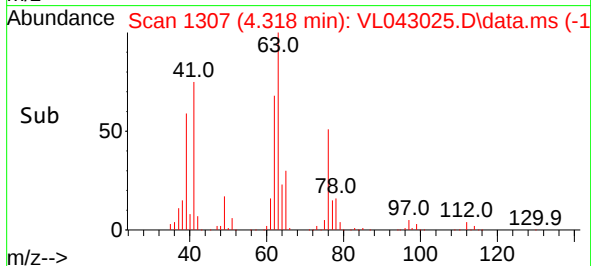
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 41  | 74.7  | 62.3  | 93.5  |
| 62  | 67.9  | 60.5  | 90.7  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#40

1,4-Dioxane

Concen: 10.556 ppbv

RT: 4.583 min Scan# 1389

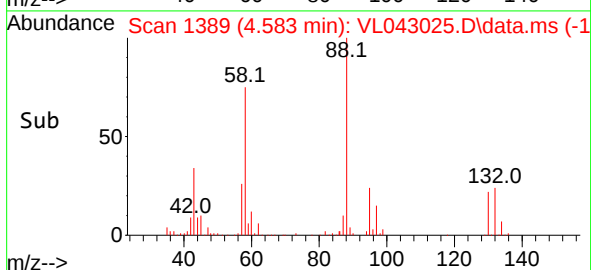
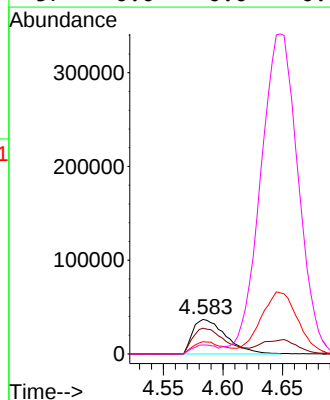
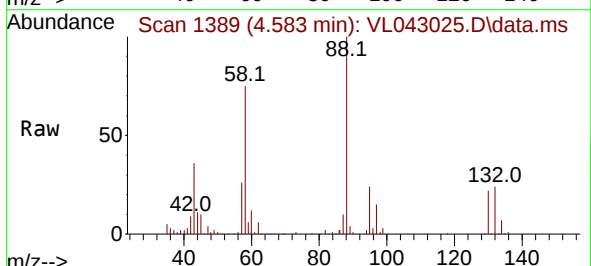
Delta R.T. -0.000 min

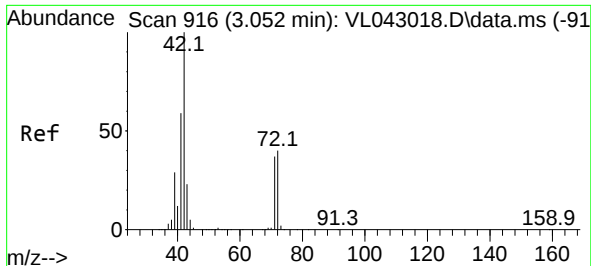
Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Tgt Ion: 88 Resp: 71434

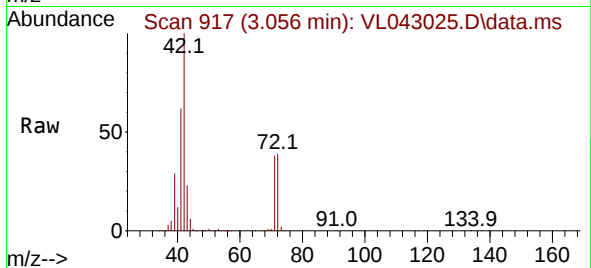
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 58  | 70.1  | 59.3  | 88.9  |
| 43  | 31.0  | 24.3  | 36.5  |
| 57  | 0.0   | 0.0   | 0.0   |





#41  
Tetrahydrofuran  
Concen: 10.707 ppbv  
RT: 3.056 min Scan# 916  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

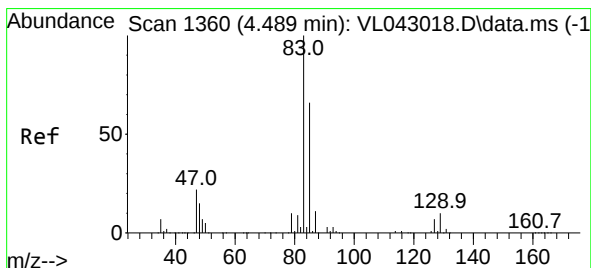
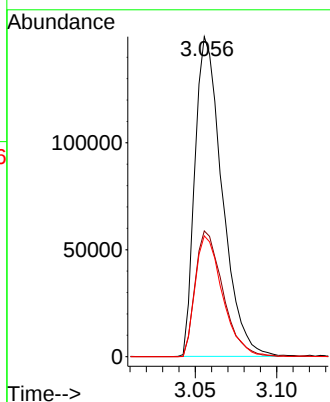
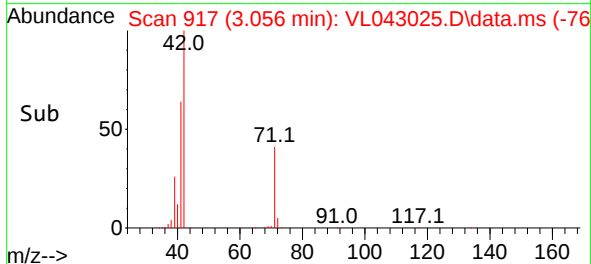
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL093025



Tgt Ion: 42 Resp: 174060  
Ion Ratio Lower Upper  
42 100  
72 40.0 31.6 47.4  
71 38.2 30.4 45.6

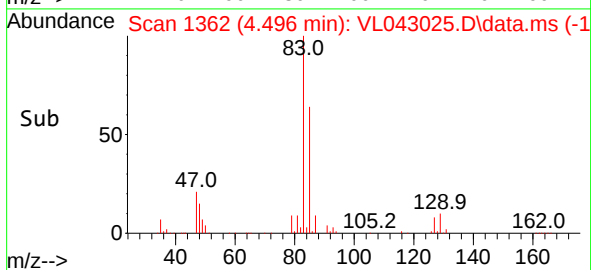
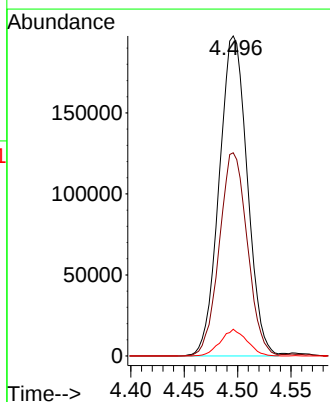
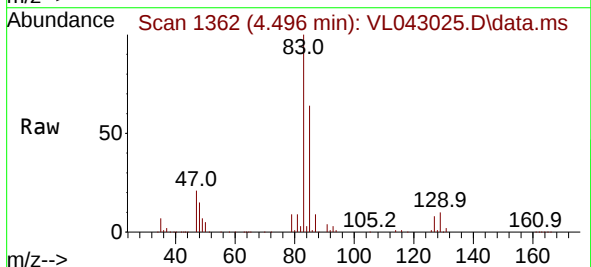
Manual Integrations  
APPROVED

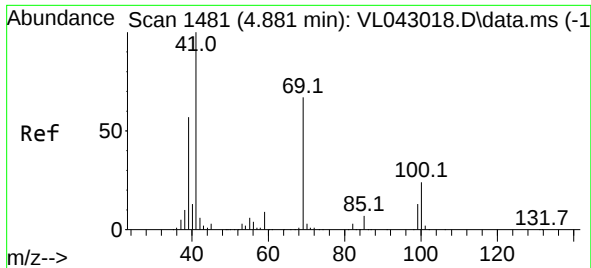
Reviewed By :Semsettin Yesilyurt 10/01/2025  
Supervised By :Mahesh Dadoda 10/03/2025



#42  
Bromodichloromethane  
Concen: 10.485 ppbv  
RT: 4.496 min Scan# 1362  
Delta R.T. 0.006 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

Tgt Ion: 83 Resp: 361636  
Ion Ratio Lower Upper  
83 100  
85 63.5 52.6 78.8  
127 8.4 5.7 8.5





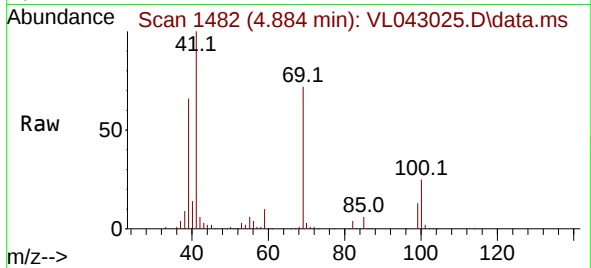
#43  
Methyl Methacrylate  
Concen: 11.161 ppbv  
RT: 4.884 min Scan# 1481  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL093025

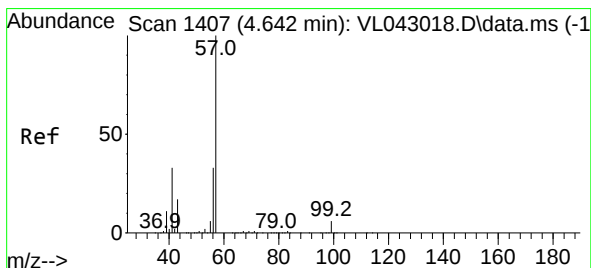
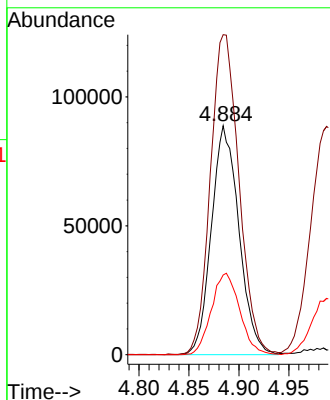
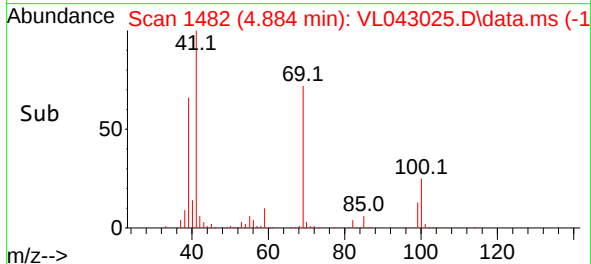


Tgt Ion: 69 Resp: 170390  
Ion Ratio Lower Upper  
69 100  
41 145.2 117.6 176.4  
100 36.5 29.0 43.6

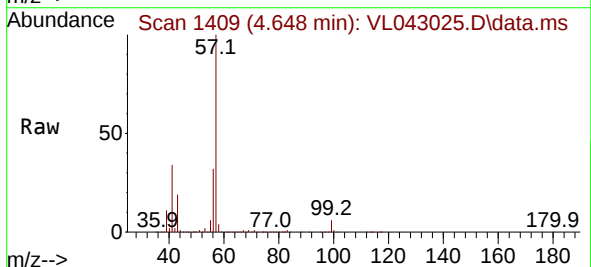
Manual Integrations

APPROVED

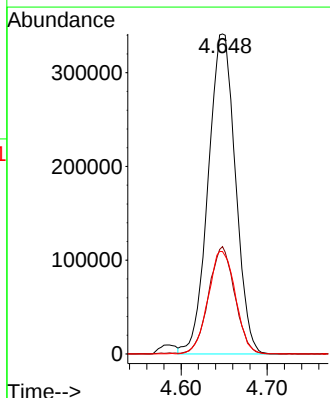
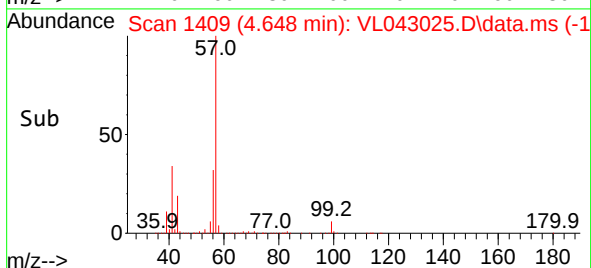
Reviewed By :Semsettin Yesilyurt 10/01/2025  
Supervised By :Mahesh Dadoda 10/03/2025

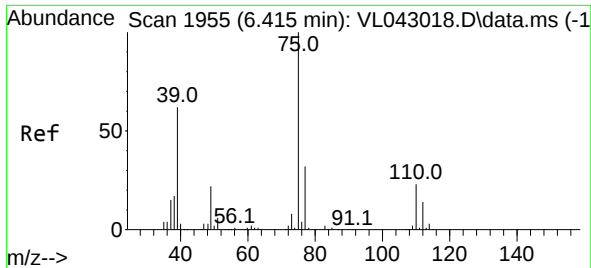


#44  
2,2,4-Trimethylpentane  
Concen: 10.486 ppbv  
RT: 4.648 min Scan# 1409  
Delta R.T. 0.006 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25



Tgt Ion: 57 Resp: 749612  
Ion Ratio Lower Upper  
57 100  
41 32.4 26.2 39.2  
56 32.3 25.9 38.9





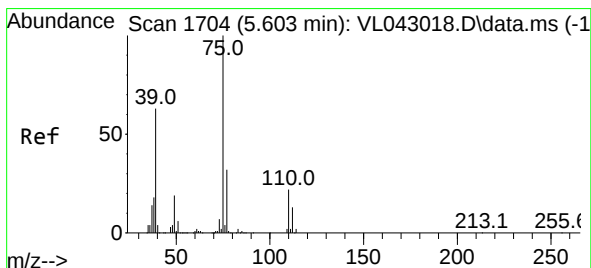
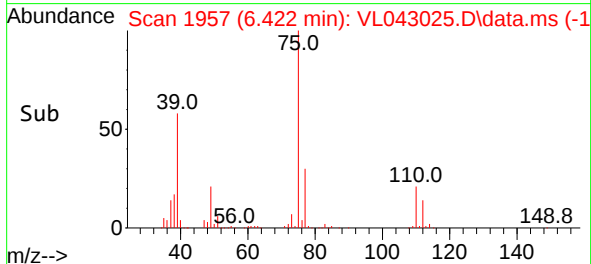
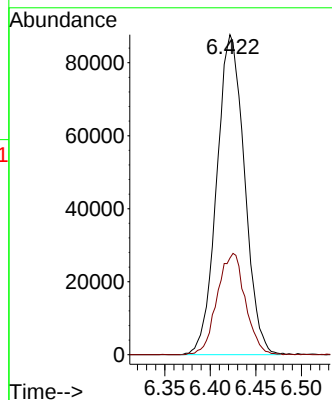
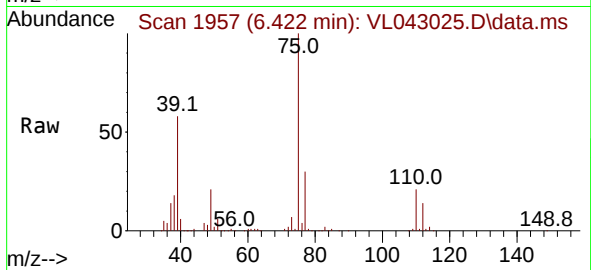
#45  
t-1,3-Dichloropropene  
Concen: 10.704 ppbv  
RT: 6.422 min Scan# 1957  
Delta R.T. 0.006 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL093025

Tgt Ion: 75 Resp: 185804  
Ion Ratio Lower Upper  
75 100  
77 30.2 25.8 38.6

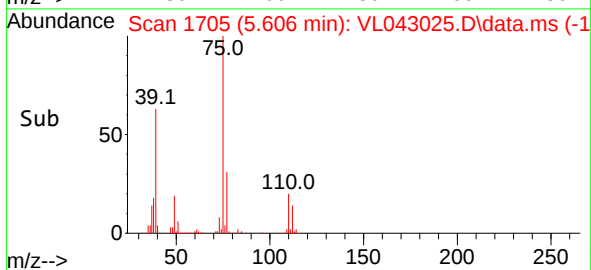
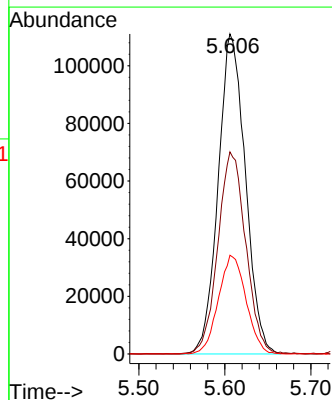
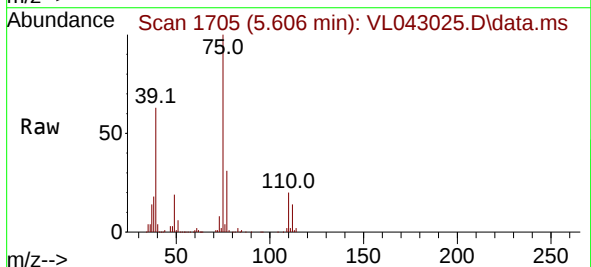
Manual Integrations  
APPROVED

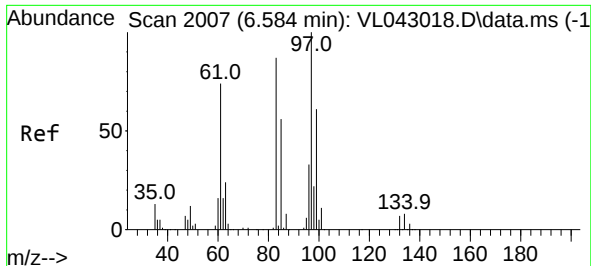
Reviewed By :Semsettin Yesilyurt 10/01/2025  
Supervised By :Mahesh Dadoda 10/03/2025



#46  
cis-1,3-Dichloropropene  
Concen: 10.753 ppbv  
RT: 5.606 min Scan# 1705  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

Tgt Ion: 75 Resp: 243481  
Ion Ratio Lower Upper  
75 100  
39 63.0 50.2 75.2  
77 30.8 25.4 38.0





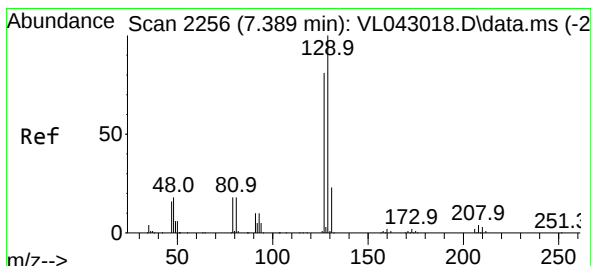
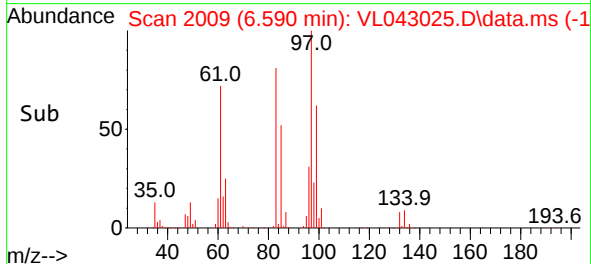
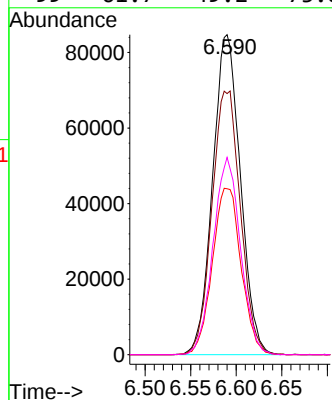
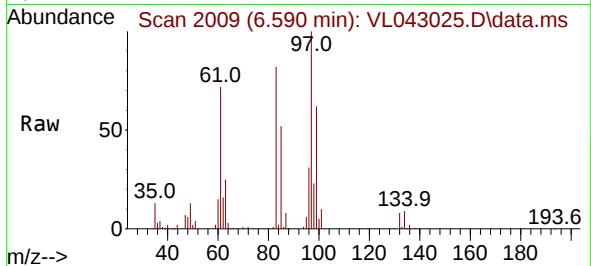
#47  
1,1,2-Trichloroethane  
Concen: 10.603 ppbv  
RT: 6.590 min Scan# 2007  
Delta R.T. 0.006 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL093025

Tgt Ion: 97 Resp: 17944  
Ion Ratio Lower Upper  
97 100  
83 81.4 69.6 104.4  
85 51.8 44.6 66.8  
99 61.7 49.2 73.8

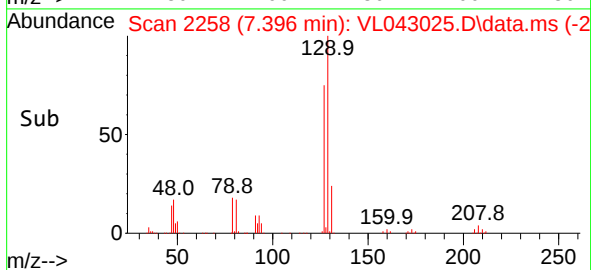
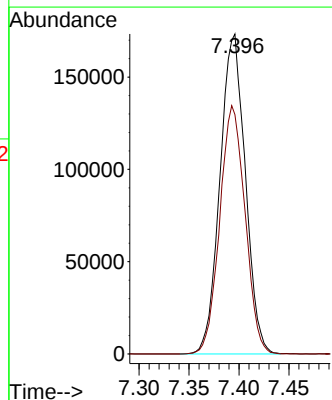
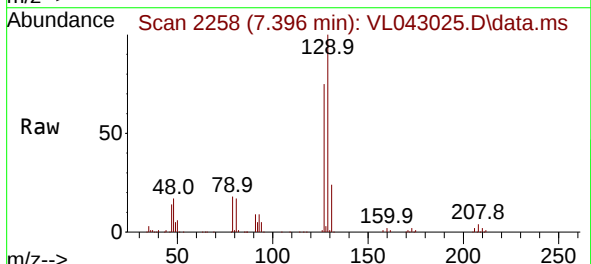
Manual Integrations  
APPROVED

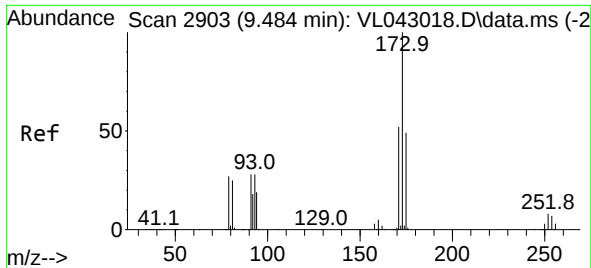
Reviewed By :Semsettin Yesilyurt 10/01/2025  
Supervised By :Mahesh Dadoda 10/03/2025



#48  
Dibromochloromethane  
Concen: 10.480 ppbv  
RT: 7.396 min Scan# 2258  
Delta R.T. 0.006 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

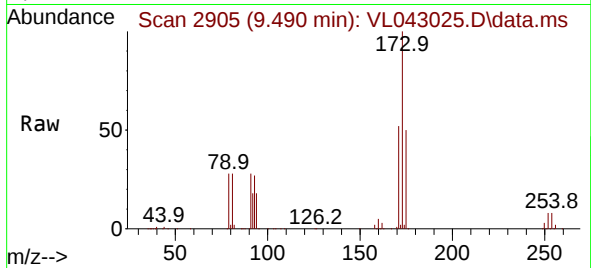
Tgt Ion:129 Resp: 305653  
Ion Ratio Lower Upper  
129 100  
127 77.6 38.6 116.0





#49  
Bromoform  
Concen: 10.681 ppbv  
RT: 9.490 min Scan# 2903  
Delta R.T. 0.006 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

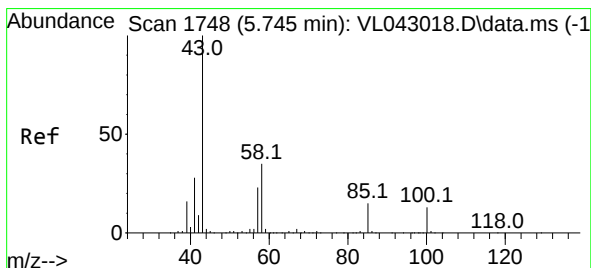
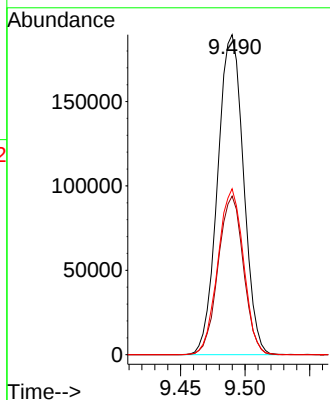
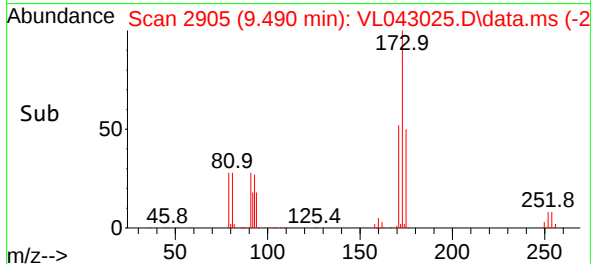
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL093025



Tgt Ion: 173 Resp: 264418  
Ion Ratio Lower Upper  
173 100  
175 48.5 39.1 58.7  
171 51.3 41.4 62.0

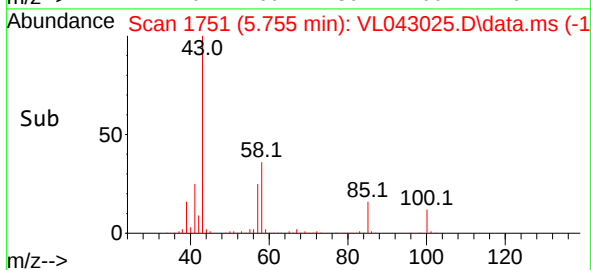
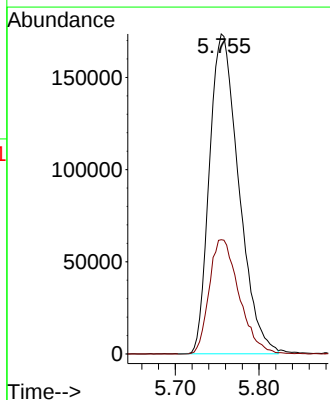
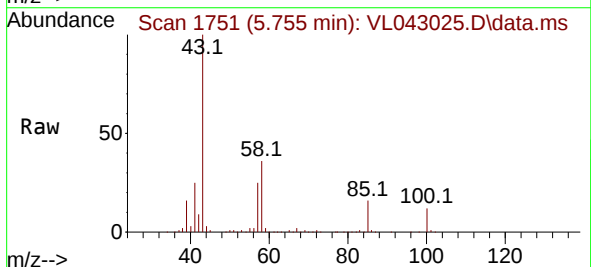
Manual Integrations  
APPROVED

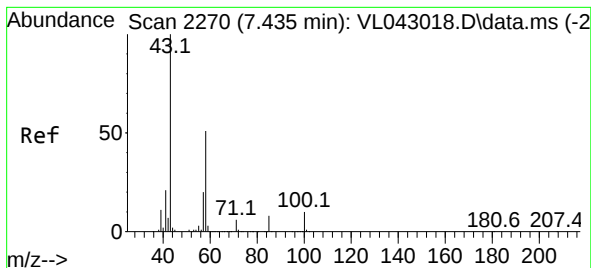
Reviewed By :Semsettin Yesilyurt 10/01/2025  
Supervised By :Mahesh Dadoda 10/03/2025



#50  
4-Methyl-2-Pentanone  
Concen: 10.864 ppbv  
RT: 5.755 min Scan# 1751  
Delta R.T. 0.010 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

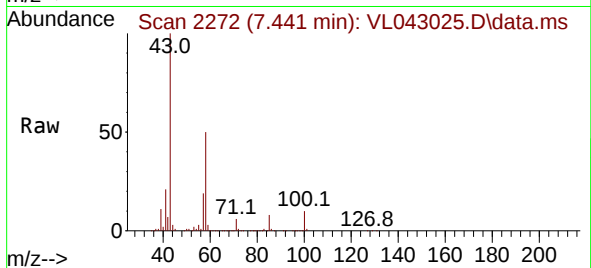
Tgt Ion: 43 Resp: 423187  
Ion Ratio Lower Upper  
43 100  
58 36.4 29.4 44.2





#51  
2-Hexanone  
Concen: 11.703 ppbv  
RT: 7.441 min Scan# 2117  
Delta R.T. 0.006 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

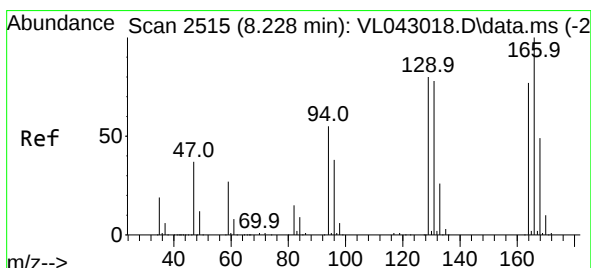
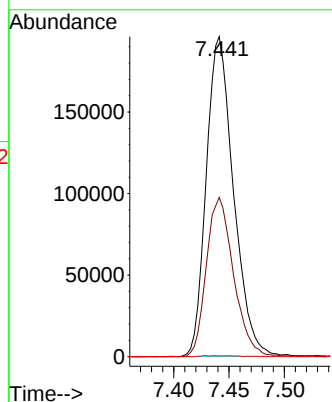
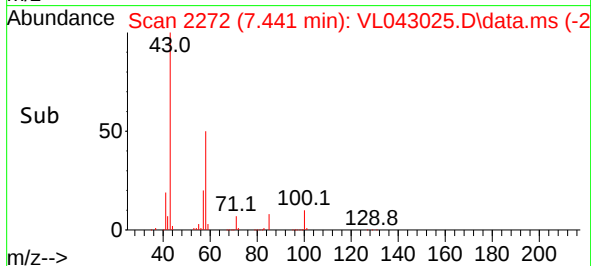
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL093025



Tgt Ion: 43 Resp: 33594  
Ion Ratio Lower Upper  
43 100  
58 49.9 39.7 59.5  
98 0.4 0.2 0.4

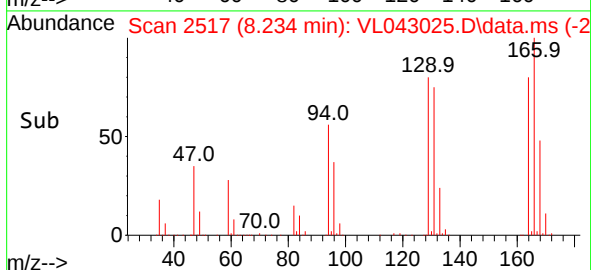
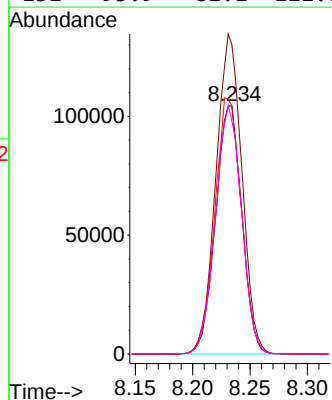
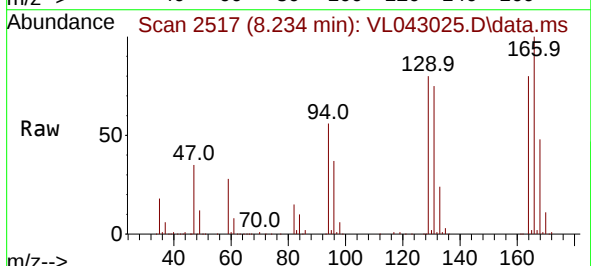
Manual Integrations  
APPROVED

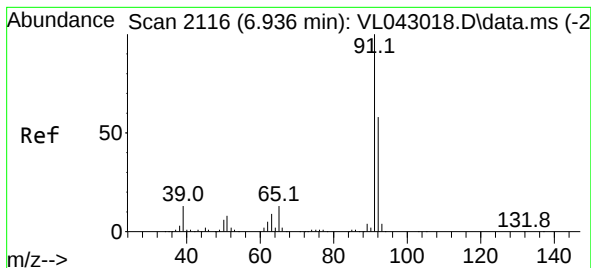
Reviewed By :Semsettin Yesilyurt 10/01/2025  
Supervised By :Mahesh Dadoda 10/03/2025



#52  
Tetrachloroethene  
Concen: 9.618 ppbv  
RT: 8.234 min Scan# 2517  
Delta R.T. 0.006 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

Tgt Ion:164 Resp: 166605  
Ion Ratio Lower Upper  
164 100  
166 124.7 103.5 155.3  
129 100.0 82.6 124.0  
131 93.9 81.1 121.7





#53

Toluene

Concen: 10.754 ppbv

RT: 6.939 min Scan# 2116

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL093025

Tgt Ion: 91 Resp: 521124

Ion Ratio Lower Upper

91 100

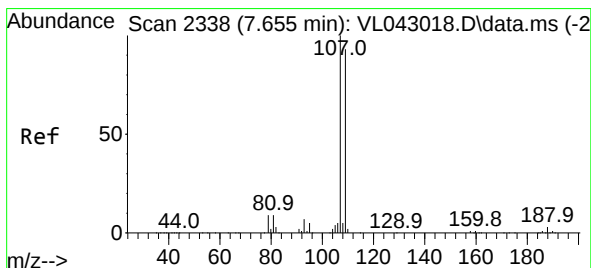
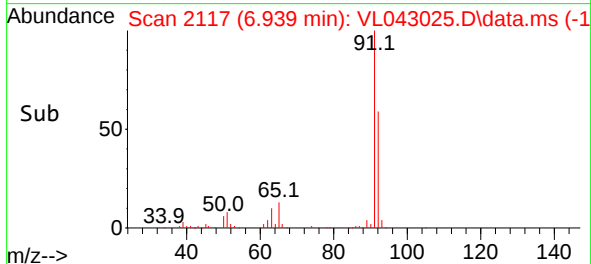
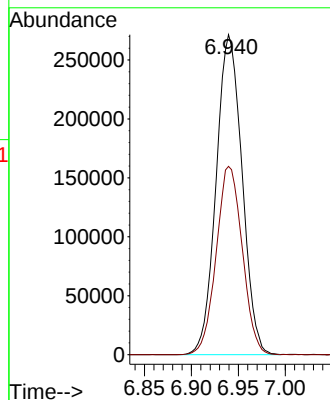
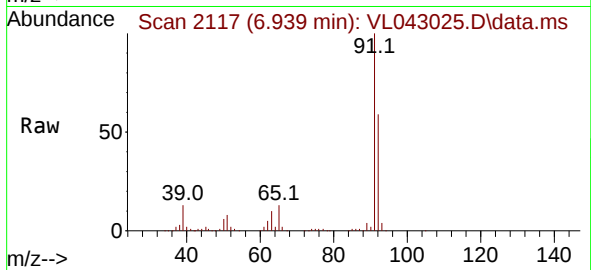
92 59.2 47.7 71.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#54

1,2-Dibromoethane

Concen: 10.537 ppbv

RT: 7.661 min Scan# 2340

Delta R.T. 0.006 min

Lab File: VL043025.D

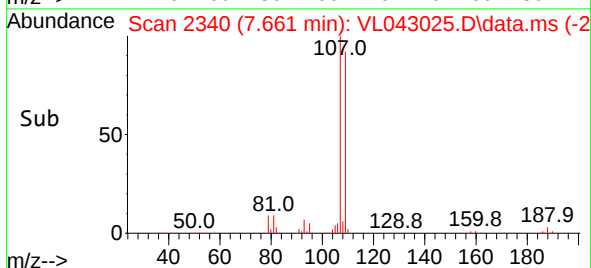
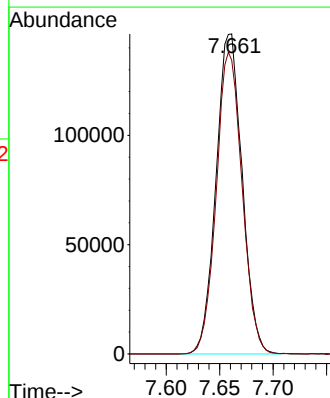
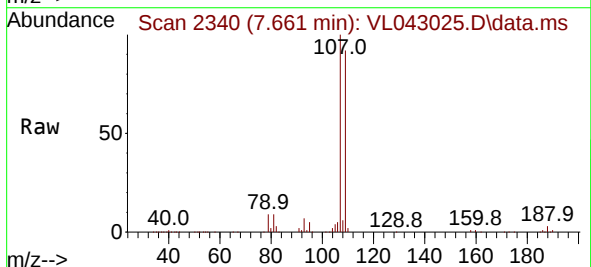
Acq: 30 Sep 2025 13:25

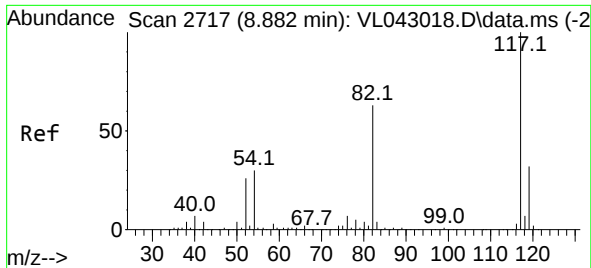
Tgt Ion:107 Resp: 248872

Ion Ratio Lower Upper

107 100

109 91.8 74.6 111.8





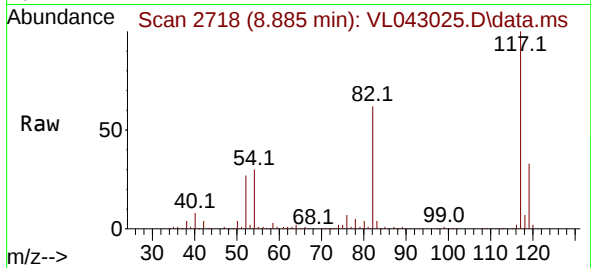
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.885 min Scan# 2717  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL093025

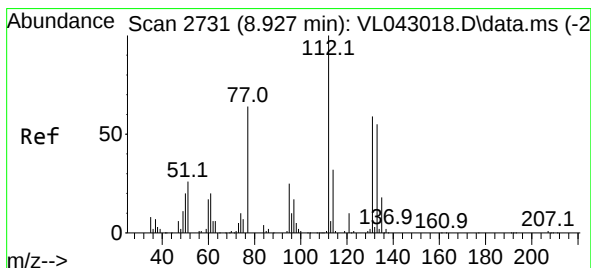
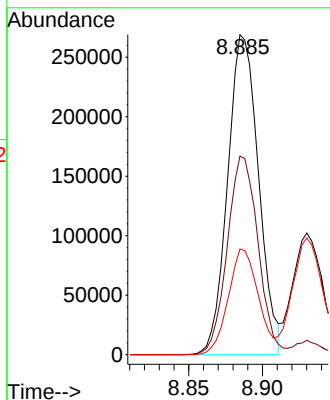
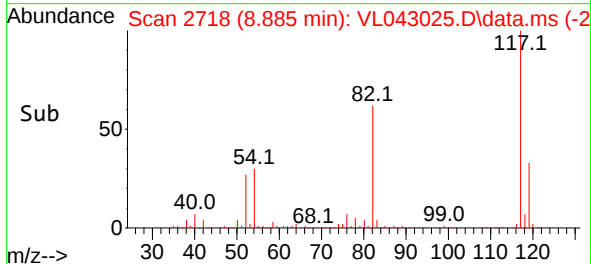


Tgt Ion:117 Resp: 392140  
Ion Ratio Lower Upper  
117 100  
82 65.6 52.6 78.8  
119 32.7 26.4 39.6

Manual Integrations

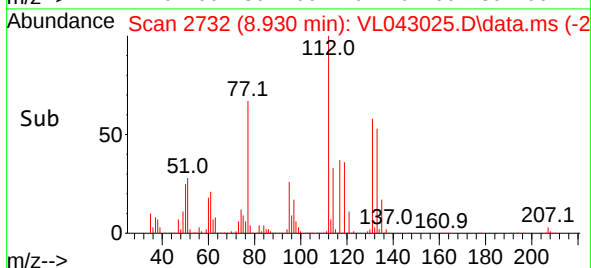
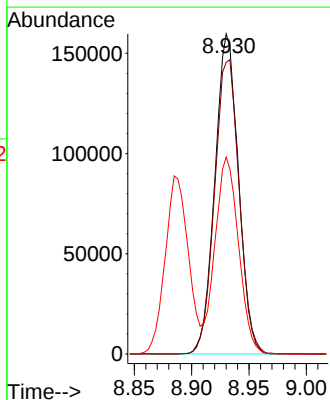
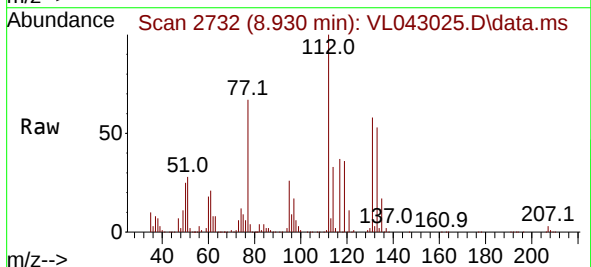
APPROVED

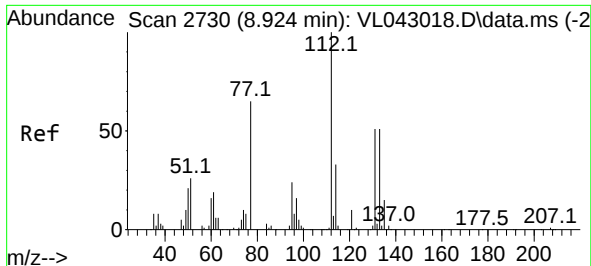
Reviewed By :Semsettin Yesilyurt 10/01/2025  
Supervised By :Mahesh Dadoda 10/03/2025



#56  
1,1,1,2-Tetrachloroethane  
Concen: 10.260 ppbv  
RT: 8.930 min Scan# 2732  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

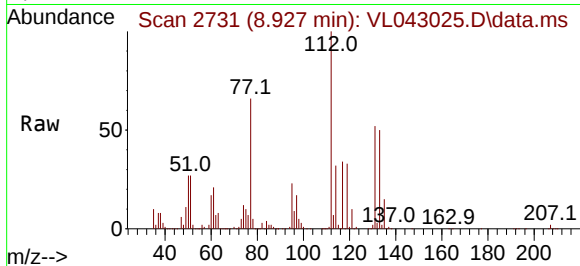
Tgt Ion:131 Resp: 227977  
Ion Ratio Lower Upper  
131 100  
133 96.1 76.6 114.8  
119 63.2 48.8 73.2





#57  
Chlorobenzene  
Concen: 10.051 ppbv  
RT: 8.927 min Scan# 2731  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

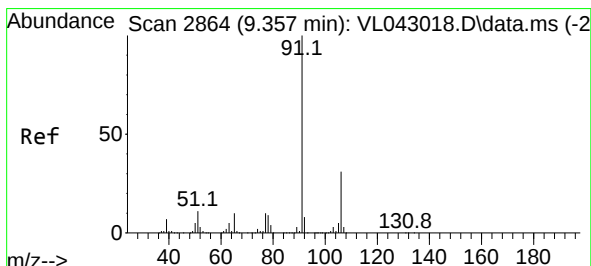
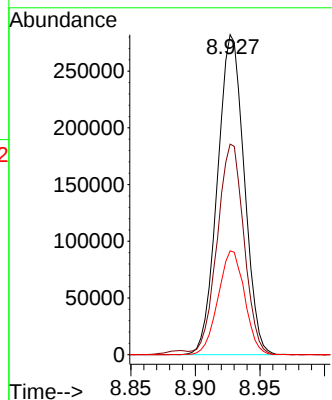
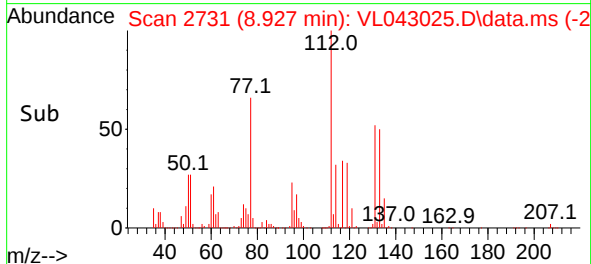
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL093025



Tgt Ion: 112 Resp: 406310  
Ion Ratio Lower Upper  
112 100  
77 65.7 52.7 79.1  
114 32.4 29.5 36.1

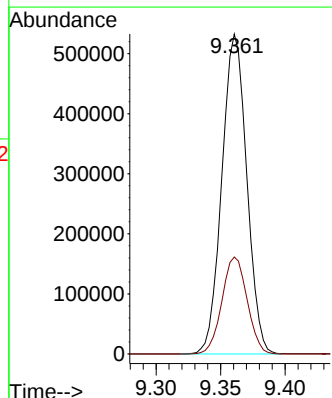
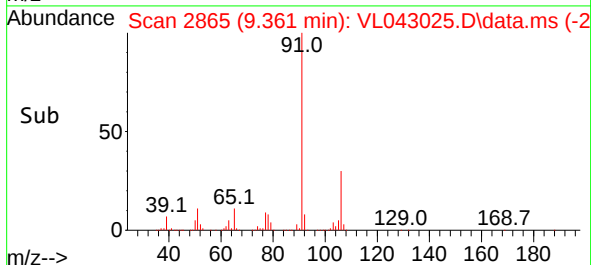
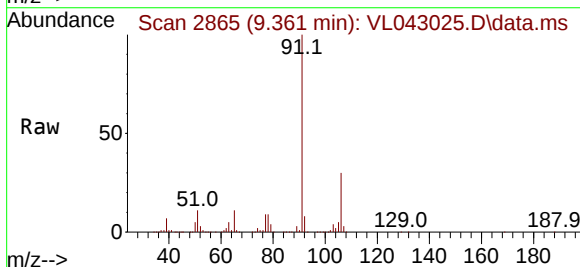
Manual Integrations  
APPROVED

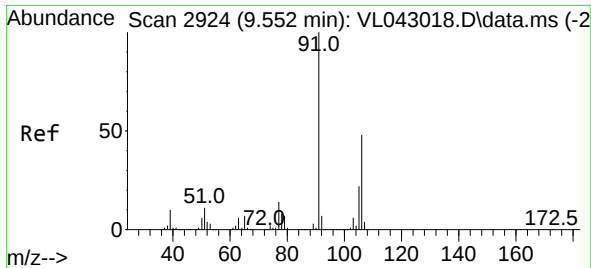
Reviewed By :Semsettin Yesilyurt 10/01/2025  
Supervised By :Mahesh Dadoda 10/03/2025



#58  
Ethyl Benzene  
Concen: 10.732 ppbv  
RT: 9.361 min Scan# 2865  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

Tgt Ion: 91 Resp: 713336  
Ion Ratio Lower Upper  
91 100  
106 30.3 24.8 37.2





#59

m/p-Xylene

Concen: 21.327 ppbv m

RT: 9.558 min Scan# 2924

Delta R.T. 0.006 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL093025

Tgt Ion: 91 Resp: 114057

Ion Ratio Lower Upper

91 100

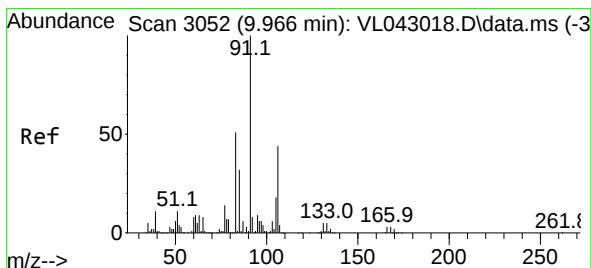
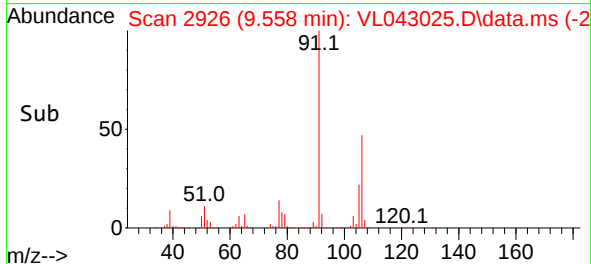
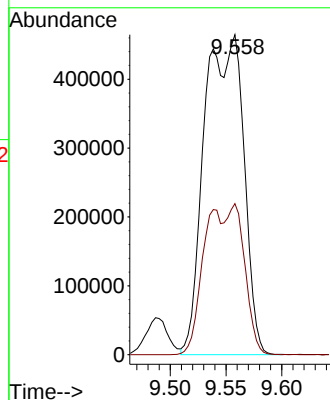
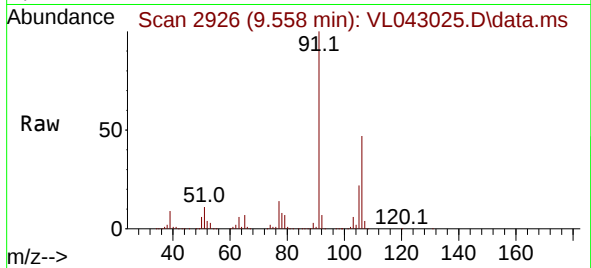
106 47.4 38.1 57.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#60

o-Xylene

Concen: 10.695 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.003 min

Lab File: VL043025.D

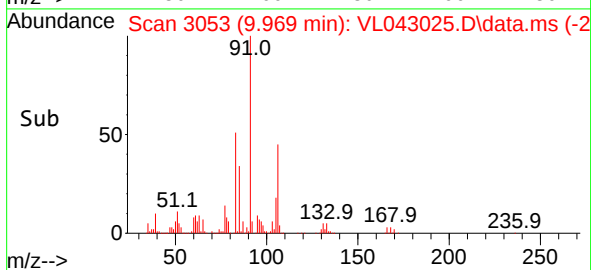
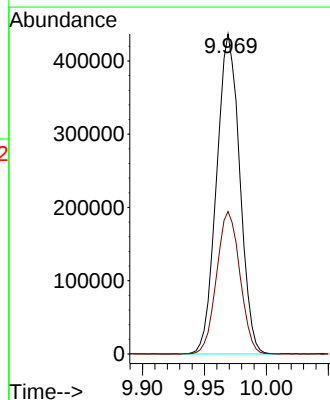
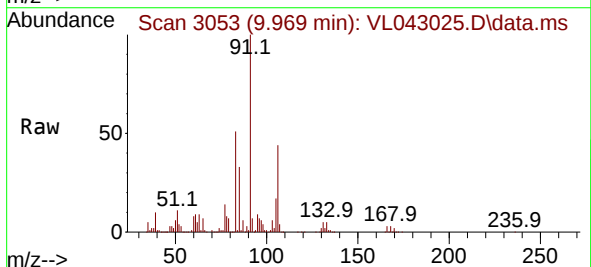
Acq: 30 Sep 2025 13:25

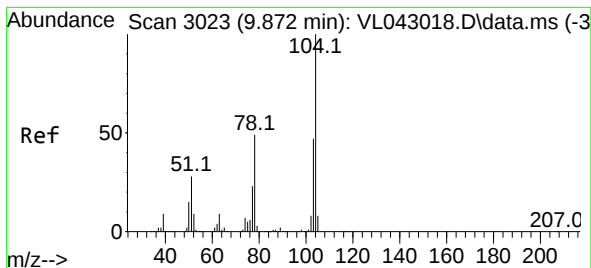
Tgt Ion: 91 Resp: 568505

Ion Ratio Lower Upper

91 100

106 44.8 22.2 66.6





#61

Styrene

Concen: 11.337 ppbv

RT: 9.875 min Scan# 3023

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA\_L

ClientSampleId :

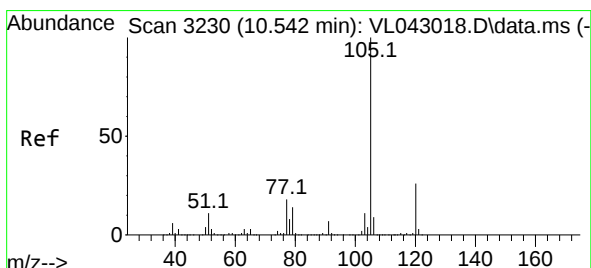
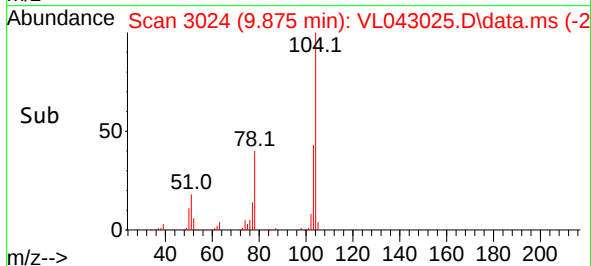
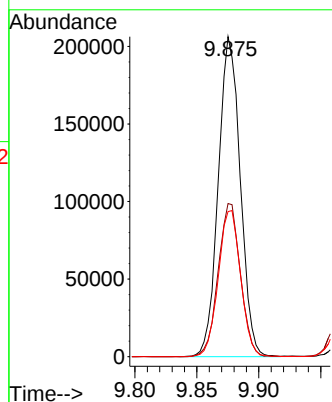
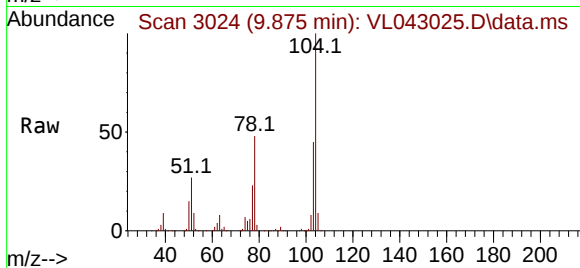
ICVVL093025

Tgt Ion:104 Resp: 255062  
 Ion Ratio Lower Upper  
 104 100  
 78 48.4 39.0 58.4  
 103 46.5 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025  
 Supervised By :Mahesh Dadoda 10/03/2025



#62

Isopropylbenzene

Concen: 10.611 ppbv

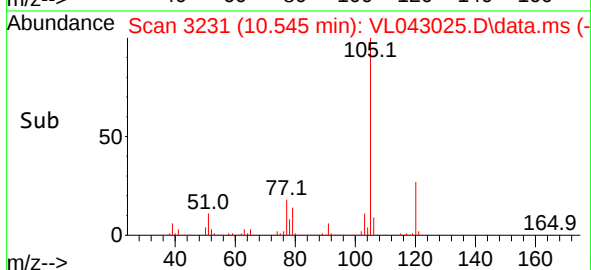
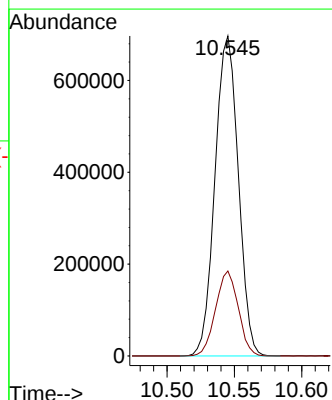
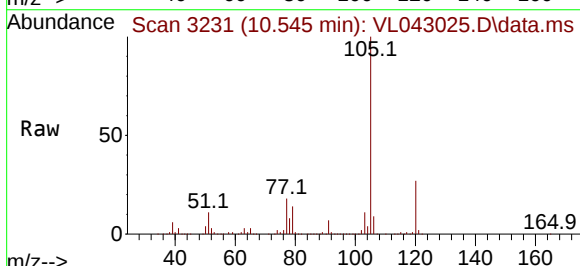
RT: 10.545 min Scan# 3231

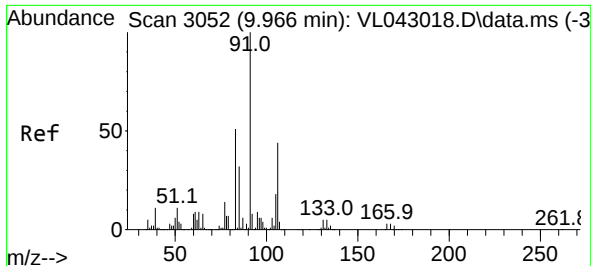
Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Tgt Ion:105 Resp: 839776  
 Ion Ratio Lower Upper  
 105 100  
 120 25.8 20.7 31.1





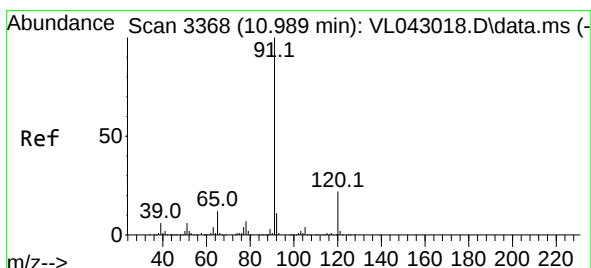
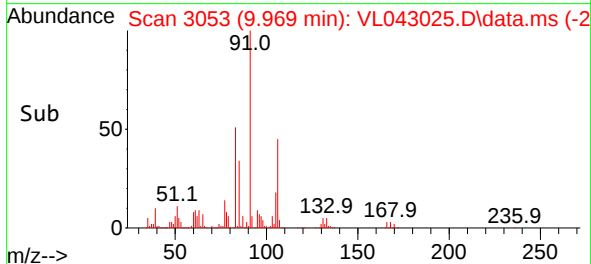
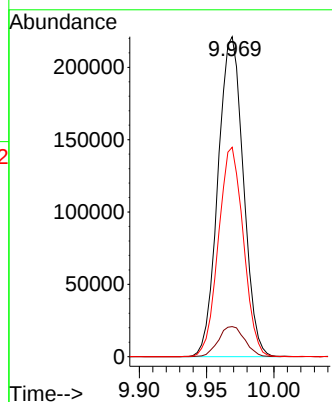
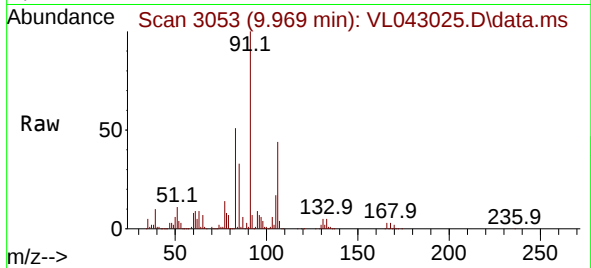
#63  
1,1,2,2-Tetrachloroethane  
Concen: 10.145 ppbv  
RT: 9.969 min Scan# 3052  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL093025

Tgt Ion: 83 Resp: 289419  
Ion Ratio Lower Upper  
83 100  
131 9.8 5.0 14.9  
85 64.6 32.2 96.6

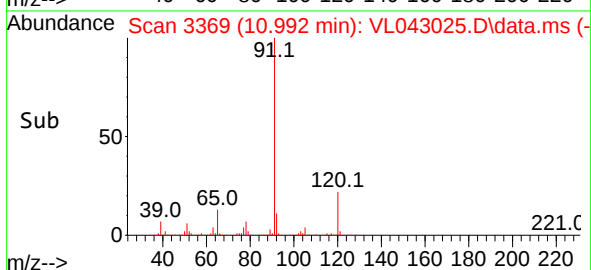
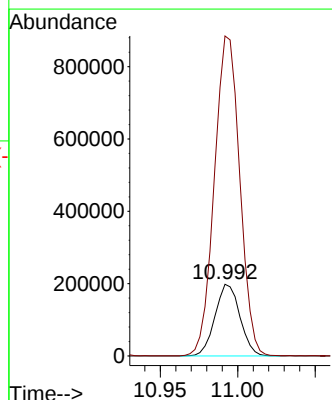
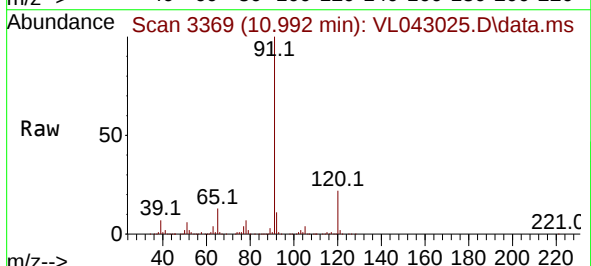
Manual Integrations  
APPROVED

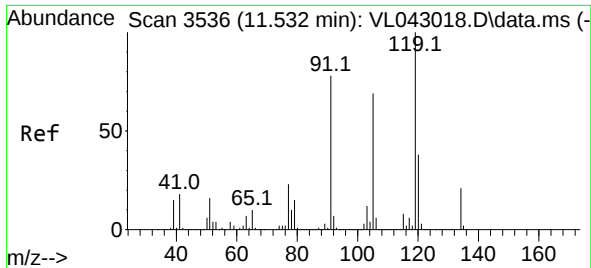
Reviewed By :Semsettin Yesilyurt 10/01/2025  
Supervised By :Mahesh Dadoda 10/03/2025



#64  
n-propylbenzene  
Concen: 10.733 ppbv  
RT: 10.992 min Scan# 3369  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

Tgt Ion:120 Resp: 221371  
Ion Ratio Lower Upper  
120 100  
91 456.9 365.6 548.4





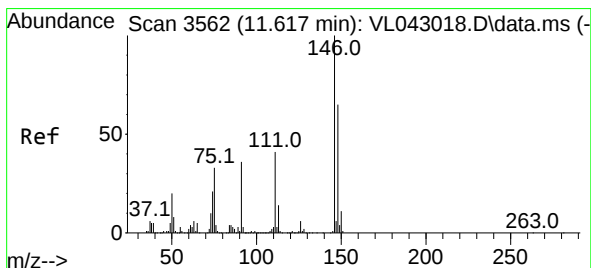
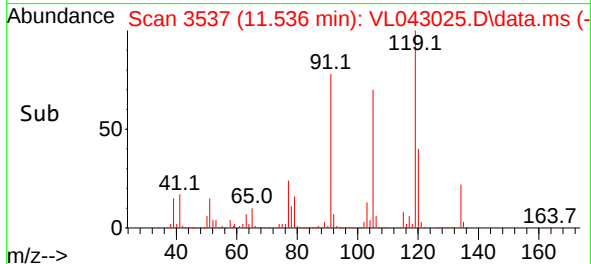
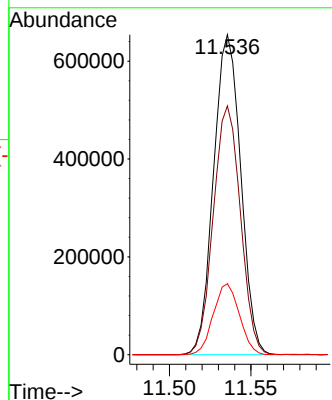
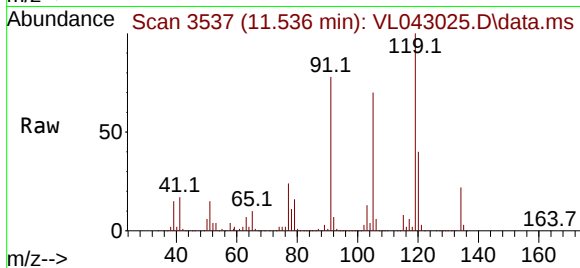
#65  
tert-Butylbenzene  
Concen: 10.577 ppbv  
RT: 11.536 min Scan# 3537  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL093025

Tgt Ion: 119 Resp: 75804  
Ion Ratio Lower Upper  
119 100  
91 77.7 62.6 93.8  
134 21.3 16.7 25.1

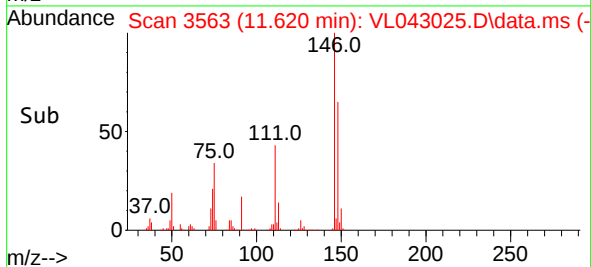
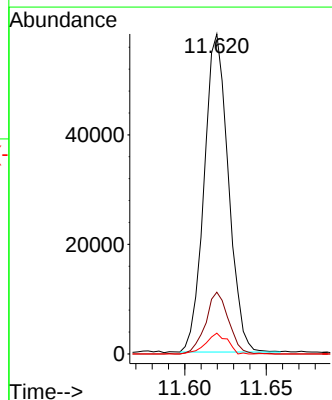
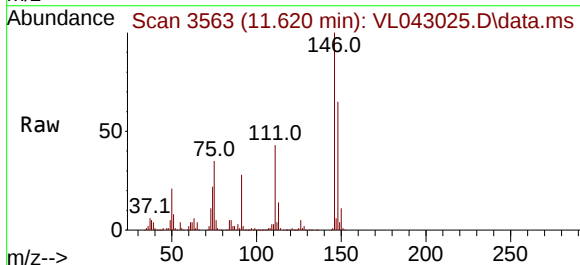
Manual Integrations  
APPROVED

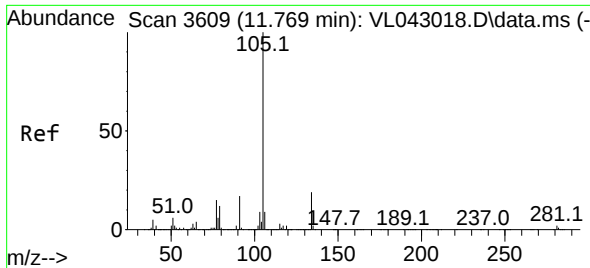
Reviewed By :Semsettin Yesilyurt 10/01/2025  
Supervised By :Mahesh Dadoda 10/03/2025



#66  
Benzyl Chloride  
Concen: 10.477 ppbv  
RT: 11.620 min Scan# 3563  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

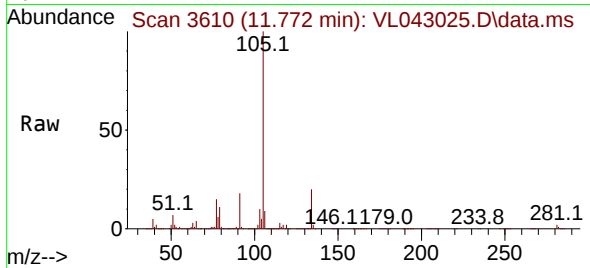
Tgt Ion: 91 Resp: 59902  
Ion Ratio Lower Upper  
91 100  
126 18.5 14.1 21.1  
128 5.9 4.9 7.3





#67  
 sec-Butylbenzene  
 Concen: 10.410 ppbv  
 RT: 11.772 min Scan# 30  
 Delta R.T. 0.003 min  
 Lab File: VL043025.D  
 Acq: 30 Sep 2025 13:25

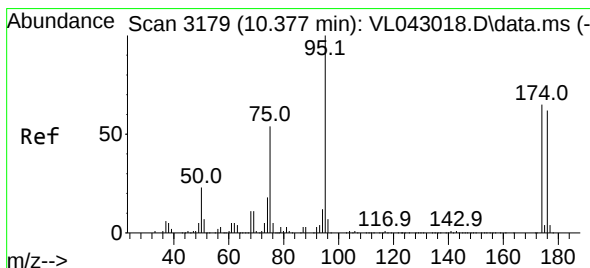
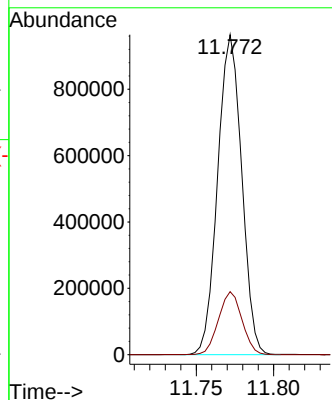
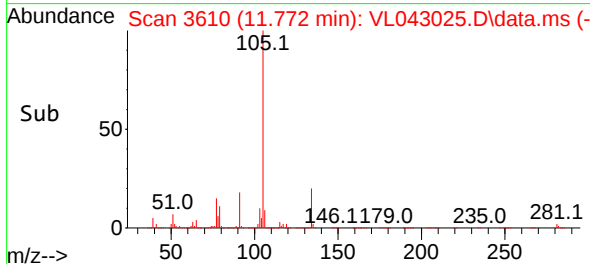
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL093025



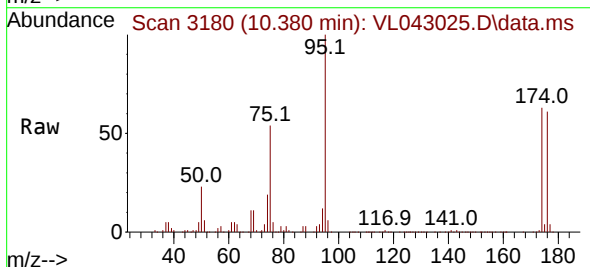
Tgt Ion:105 Resp: 1040420  
 Ion Ratio Lower Upper  
 105 100  
 134 19.3 15.4 23.2

Manual Integrations  
 APPROVED

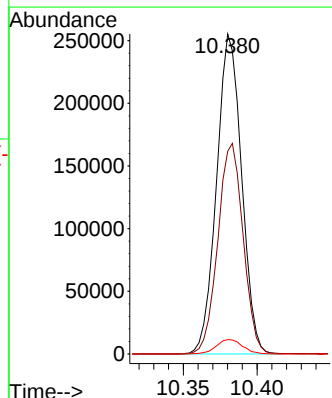
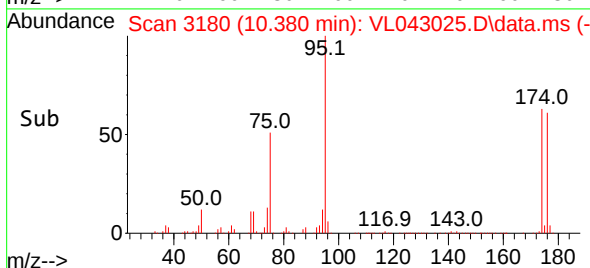
Reviewed By :Semsettin Yesilyurt 10/01/2025  
 Supervised By :Mahesh Dadoda 10/03/2025

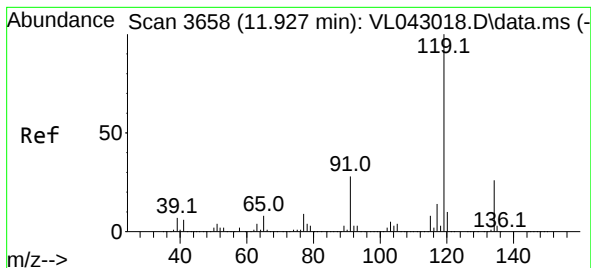


#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.139 ppbv  
 RT: 10.380 min Scan# 3180  
 Delta R.T. 0.003 min  
 Lab File: VL043025.D  
 Acq: 30 Sep 2025 13:25



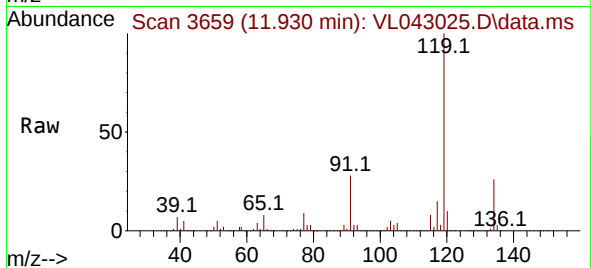
Tgt Ion: 95 Resp: 301195  
 Ion Ratio Lower Upper  
 95 100  
 174 66.7 53.4 80.2  
 175 4.7 3.8 5.8





#69  
p-Isopropyltoluene  
Concen: 10.695 ppbv  
RT: 11.930 min Scan# 3659  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

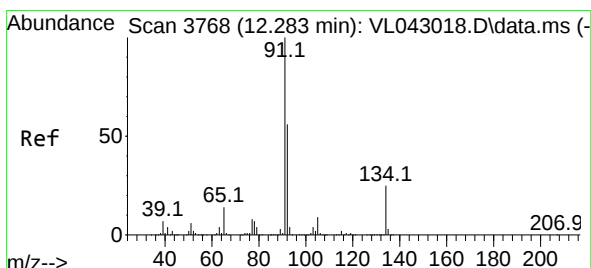
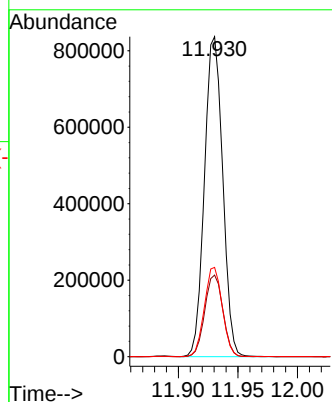
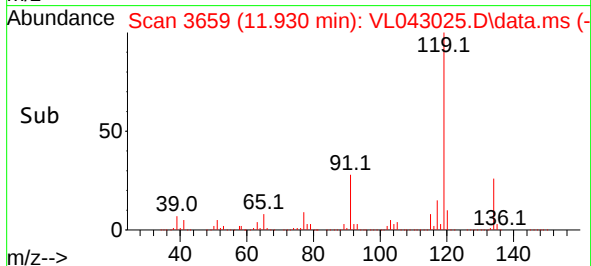
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL093025



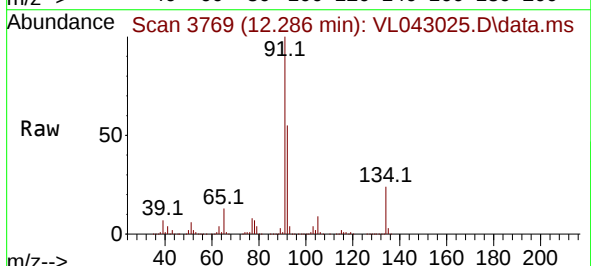
Tgt Ion: 119 Resp: 890150  
Ion Ratio Lower Upper  
119 100  
134 25.6 20.3 30.5  
91 27.5 22.1 33.1

Manual Integrations  
APPROVED

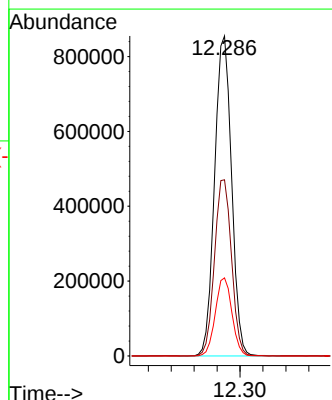
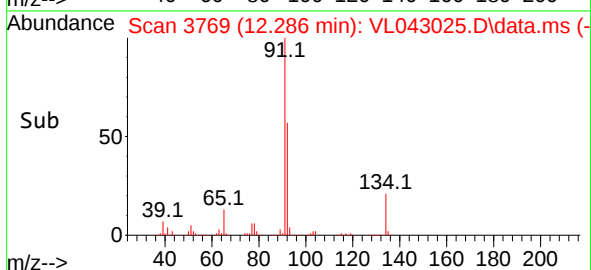
Reviewed By :Semsettin Yesilyurt 10/01/2025  
Supervised By :Mahesh Dadoda 10/03/2025

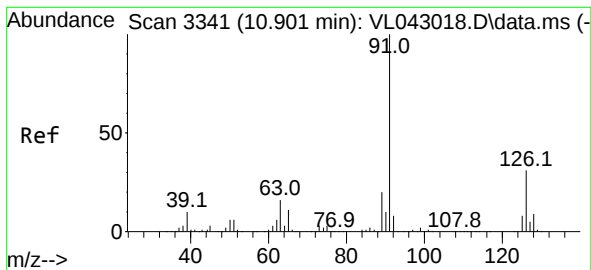


#70  
n-Butylbenzene  
Concen: 10.924 ppbv  
RT: 12.286 min Scan# 3769  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25



Tgt Ion: 91 Resp: 878430  
Ion Ratio Lower Upper  
91 100  
92 55.3 44.2 66.4  
134 23.9 19.5 29.3





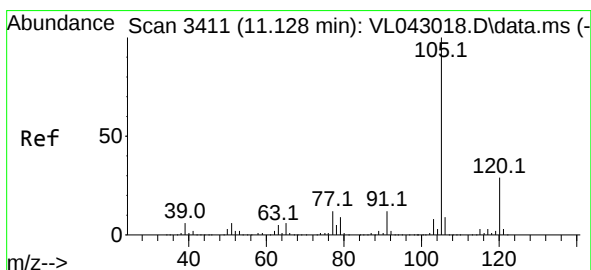
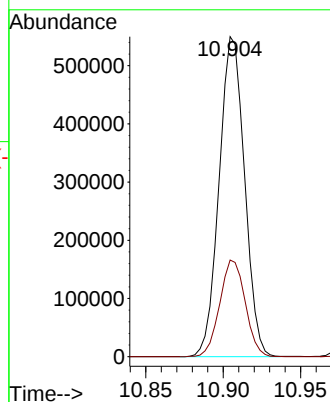
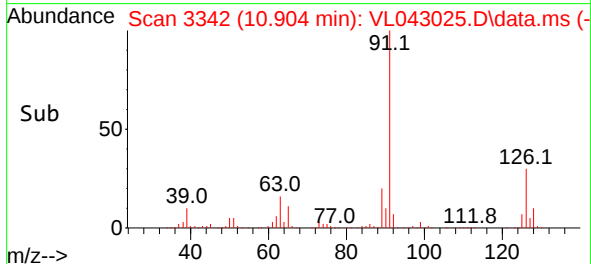
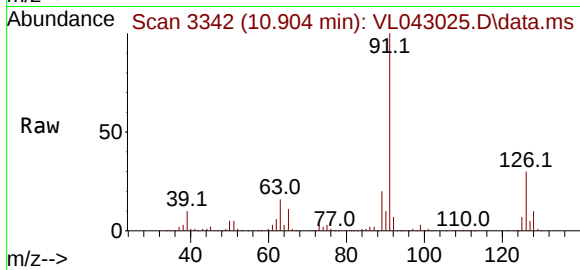
#71  
2-Chlorotoluene  
Concen: 10.622 ppbv  
RT: 10.904 min Scan# 311  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL093025

Tgt Ion: 91 Resp: 627009  
Ion Ratio Lower Upper  
91 100  
126 30.3 12.3 49.3

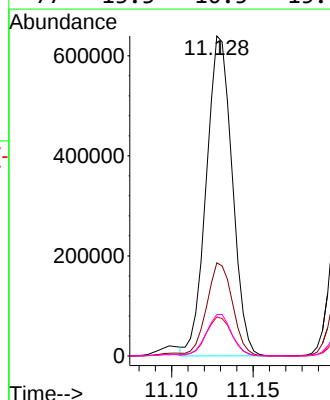
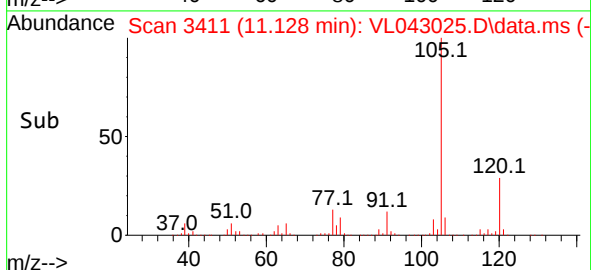
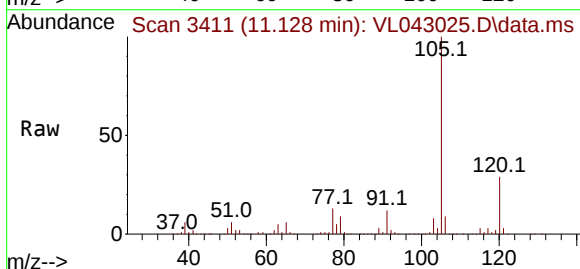
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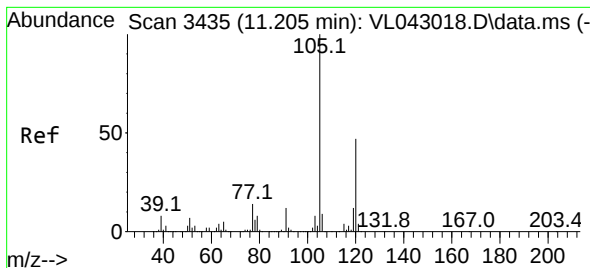
Reviewed By :Semsettin Yesilyurt 10/01/2025  
Supervised By :Mahesh Dadoda 10/03/2025



#72  
4-Ethyltoluene  
Concen: 10.799 ppbv  
RT: 11.128 min Scan# 3411  
Delta R.T. -0.000 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

Tgt Ion:105 Resp: 706144  
Ion Ratio Lower Upper  
105 100  
120 29.9 23.6 35.4  
91 12.7 10.0 15.0  
77 13.3 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 10.646 ppbv

RT: 11.209 min Scan# 3435

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL093025

Tgt Ion:105 Resp: 586992

Ion Ratio Lower Upper

105 100

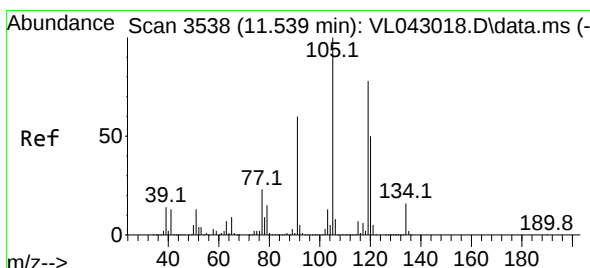
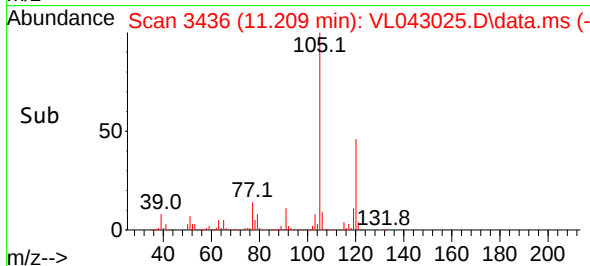
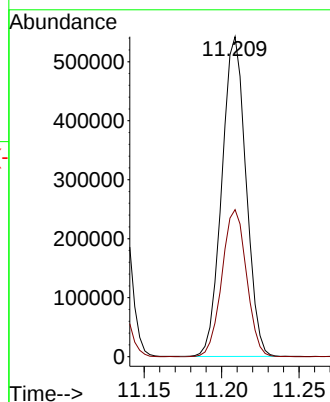
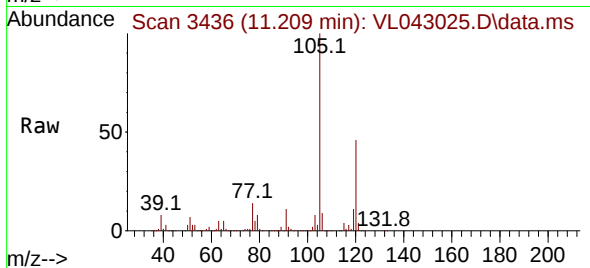
120 46.0 37.4 56.2

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Reviewed By :Semsettin Yesilyurt 10/01/2025

Supervised By :Mahesh Dadoda 10/03/2025



#74

1,2,4-Trimethylbenzene

Concen: 10.445 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Tgt Ion:105 Resp: 650046

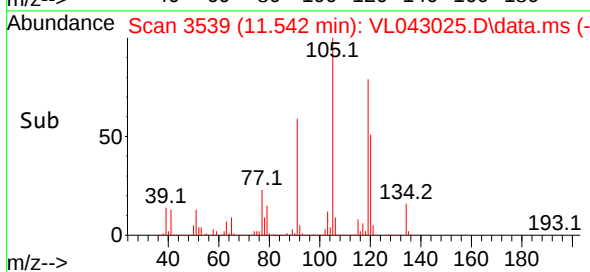
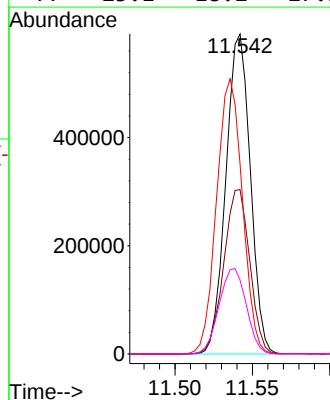
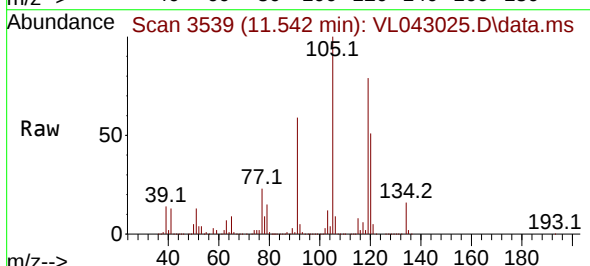
Ion Ratio Lower Upper

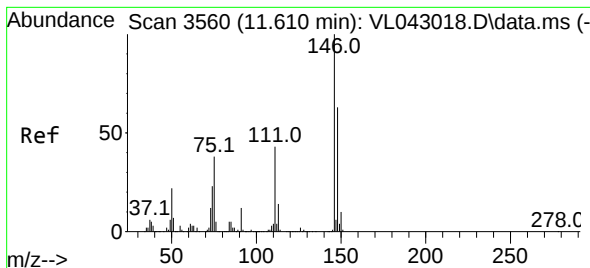
105 100

120 51.3 40.3 60.5

91 59.4 47.7 71.5

77 23.1 18.2 27.2





#75

1,3-Dichlorobenzene

Concen: 10.187 ppbv

RT: 11.613 min Scan# 3560

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA\_L

ClientSampleId :

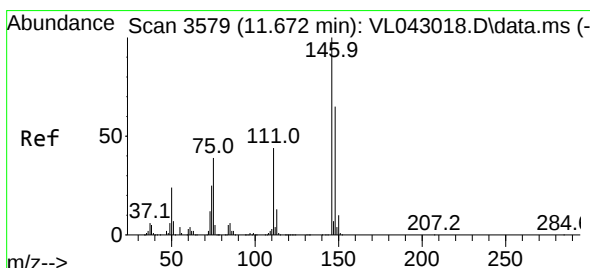
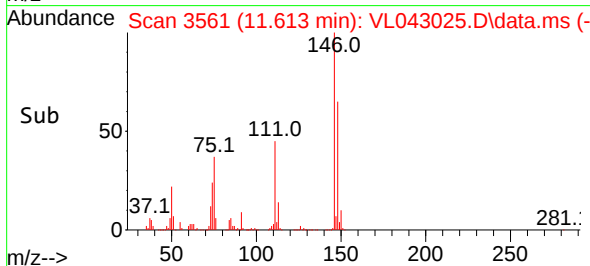
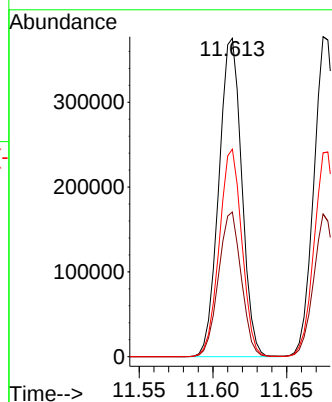
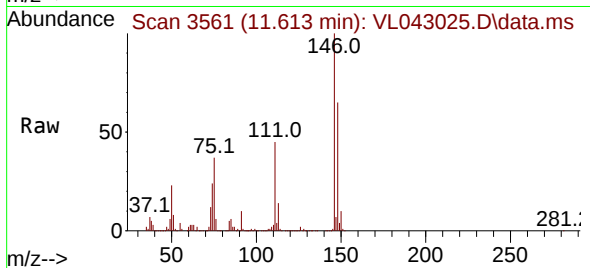
ICVVL093025

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 405004 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 45.2  | 22.0  | 66.0   |
| 148       | 64.6  | 31.9  | 95.7   |

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Supervised By :Mahesh Dadoda 10/03/2025



#76

1,4-Dichlorobenzene

Concen: 10.375 ppbv

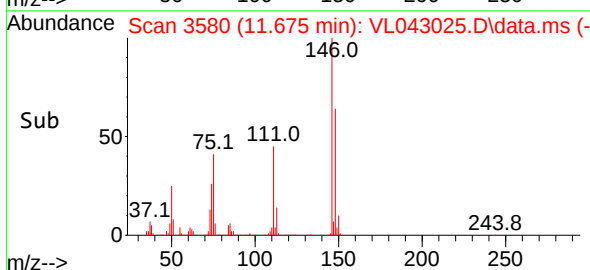
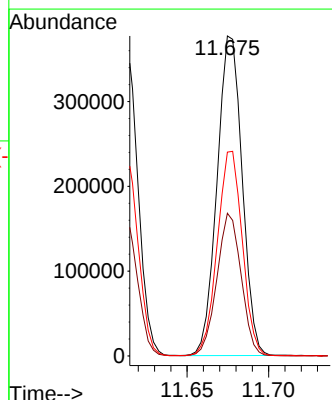
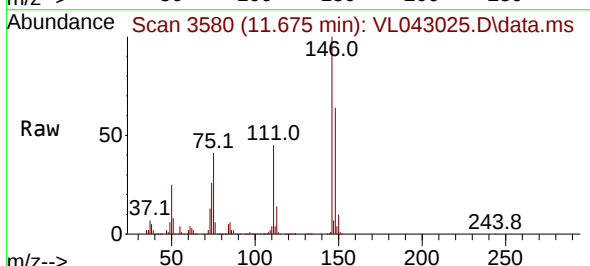
RT: 11.675 min Scan# 3580

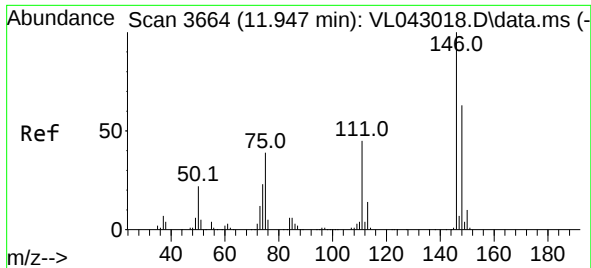
Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

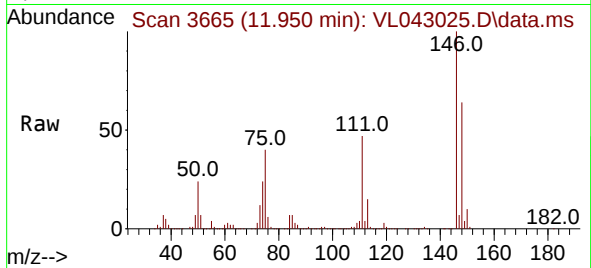
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 403123 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 43.4  | 21.9  | 65.5   |
| 148       | 64.2  | 32.4  | 97.2   |





#77  
1,2-Dichlorobenzene  
Concen: 10.039 ppbv  
RT: 11.950 min Scan# 30  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25

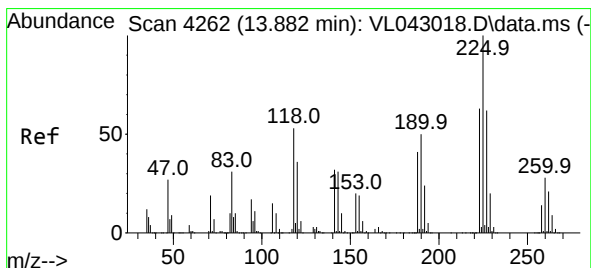
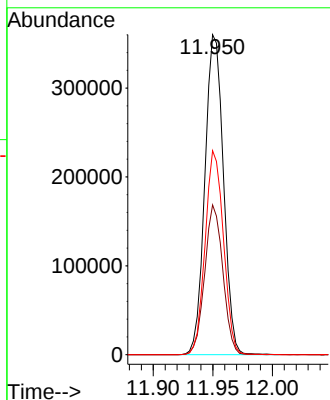
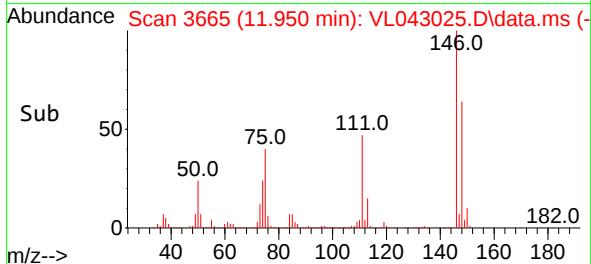
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL093025



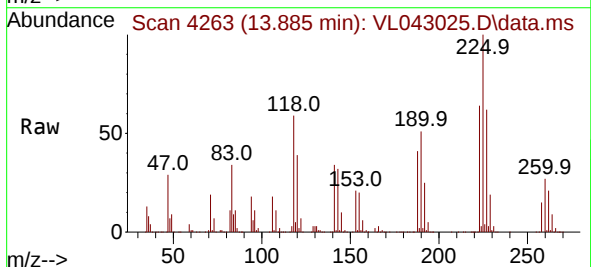
Tgt Ion:146 Resp: 38974  
Ion Ratio Lower Upper  
146 100  
111 45.8 22.9 68.5  
148 63.2 31.8 95.4

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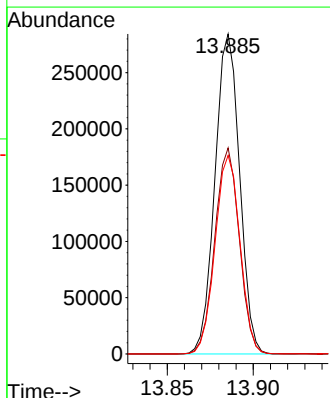
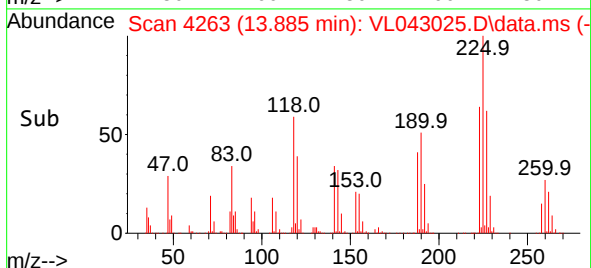
Reviewed By :Semsettin Yesilyurt 10/01/2025  
Supervised By :Mahesh Dadoda 10/03/2025

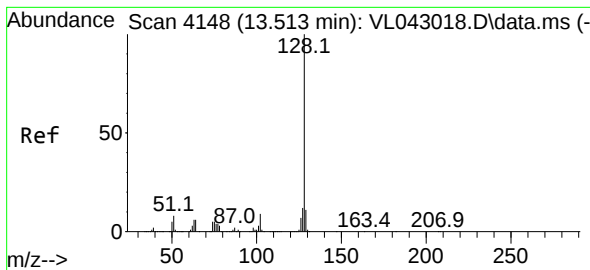


#78  
Hexachloro-1,3-Butadiene  
Concen: 9.127 ppbv  
RT: 13.885 min Scan# 4263  
Delta R.T. 0.003 min  
Lab File: VL043025.D  
Acq: 30 Sep 2025 13:25



Tgt Ion:225 Resp: 283380  
Ion Ratio Lower Upper  
225 100  
223 64.0 50.9 76.3  
227 62.8 50.3 75.5





#79

Naphthalene

Concen: 12.089 ppbv

RT: 13.516 min Scan# 4148

Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

Instrument :

MSVOA\_L

ClientSampleId :

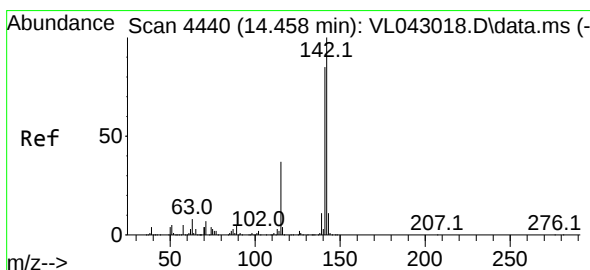
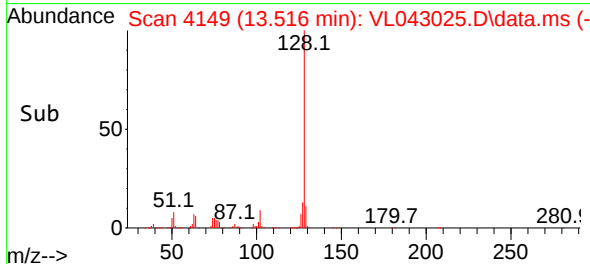
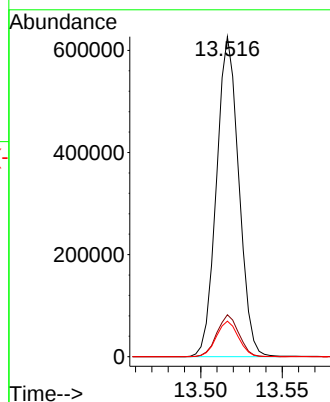
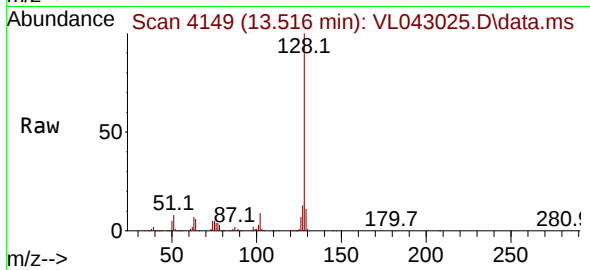
ICVVL093025

|             |             |
|-------------|-------------|
| Tgt Ion:128 | Resp: 59681 |
| Ion Ratio   | Lower Upper |
| 128 100     |             |
| 127 13.1    | 9.9 14.9    |
| 129 11.1    | 8.6 13.0    |

Manual Integrations

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Supervised By :Mahesh Dadoda 10/03/2025



#80

Naphthalene,2-methyl-

Concen: 12.068 ppbv

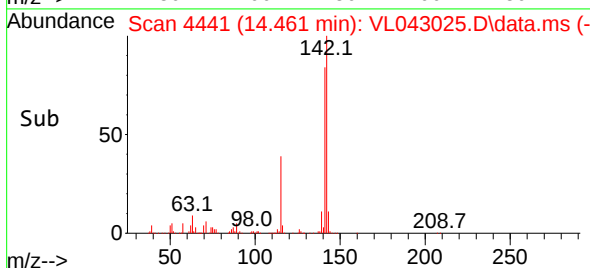
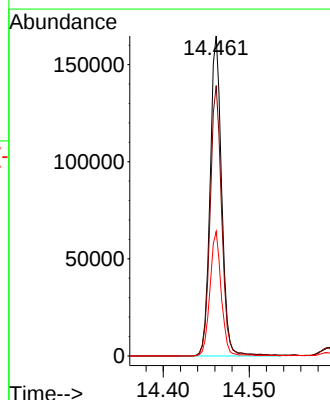
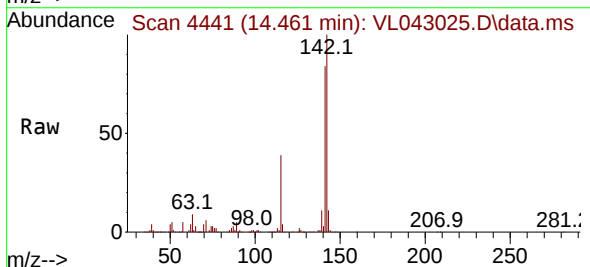
RT: 14.461 min Scan# 4441

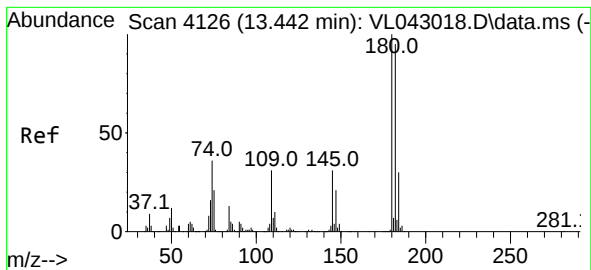
Delta R.T. 0.003 min

Lab File: VL043025.D

Acq: 30 Sep 2025 13:25

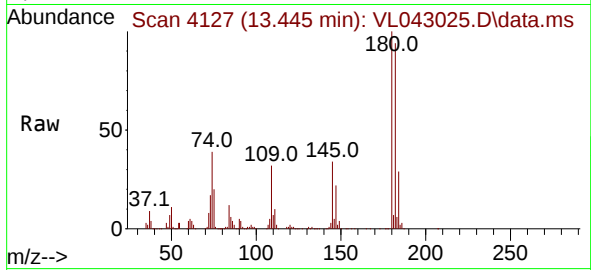
|             |              |
|-------------|--------------|
| Tgt Ion:142 | Resp: 153586 |
| Ion Ratio   | Lower Upper  |
| 142 100     |              |
| 141 84.9    | 67.0 100.4   |
| 115 38.4    | 29.8 44.6    |





#81  
 1,2,4-Trichlorobenzene  
 Concen: 10.900 ppbv  
 RT: 13.445 min Scan# 41  
 Delta R.T. 0.003 min  
 Lab File: VL043025.D  
 Acq: 30 Sep 2025 13:25

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL093025



Tgt Ion:180 Resp: 32454  
 Ion Ratio Lower Upper  
 180 100  
 182 95.0 75.8 113.8  
 184 30.3 24.2 36.4

Manual Integrations  
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Reviewed By :Semsettin Yesilyurt 10/01/2025  
 Supervised By :Mahesh Dadoda 10/03/2025

