

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL050625\  
 Data File : VL042507.D  
 Acq On : 06 May 2025 20:45  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025  
 Supervised By :Mahesh Dadoda 05/09/2025

Quant Time: May 07 01:48:51 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL050125AIR.M

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

QLast Update : Fri May 02 03:16:31 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.791 | 49   | 73201    | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.965 | 114  | 194975   | 10.000 | ppbv  | 0.01     |
| 55) Chlorobenzene-d5    | 8.888 | 117  | 165562   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 163586 10.657 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.600%

Target Compounds

|                               |       |     |        |        |        | Qvalue |
|-------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 126416 | 10.436 | ppbv   | 96     |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 154006 | 12.025 | ppbv   | 99     |
| 4) Chloromethane              | 1.535 | 50  | 51283  | 10.129 | ppbv   | 94     |
| 5) Vinyl Chloride             | 1.580 | 62  | 47804  | 9.378  | ppbv   | 99     |
| 6) Bromomethane               | 1.667 | 94  | 24483  | 10.166 | ppbv   | 96     |
| 7) Chloroethane               | 1.703 | 64  | 19328  | 10.269 | ppbv   | 94     |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 104533 | 10.468 | ppbv   | 100    |
| 9) Propene                    | 1.486 | 41  | 37199  | 8.880  | ppbv   | 99     |
| 10) Heptane                   | 4.985 | 43  | 120050 | 11.048 | ppbv   | 99     |
| 11) Trichlorofluoromethane    | 1.878 | 101 | 117851 | 10.543 | ppbv   | 98     |
| 12) 1,1,2-Trichlorotrifluo... | 2.140 | 101 | 95081  | 10.653 | ppbv   | 100    |
| 13) Ethanol                   | 1.722 | 45  | 3683   | 4.332  | ppbv   | 98     |
| 14) Bromoethene               | 1.784 | 108 | 34926  | 10.600 | ppbv   | 97     |
| 15) Acetone                   | 1.836 | 43  | 111733 | 8.361  | ppbv   | 99     |
| 16) 1,3-Butadiene             | 1.609 | 39  | 59012  | 10.013 | ppbv   | 99     |
| 17) tert-Butyl alcohol        | 2.043 | 59  | 84810  | 7.204  | ppbv   | 98     |
| 18) 1,1-Dichloroethene        | 2.036 | 96  | 43987  | 10.555 | ppbv   | 90     |
| 19) Isopropyl Alcohol         | 1.887 | 45  | 36662  | 4.957  | ppbv # | 95     |
| 20) Methylene Chloride        | 2.062 | 84  | 35200  | 8.762  | ppbv   | 95     |
| 21) Allyl Chloride            | 2.098 | 41  | 77384  | 9.005  | ppbv   | 96     |
| 22) trans-1,2-Dichloroethene  | 2.344 | 96  | 47739  | 9.808  | ppbv   | 96     |
| 23) Vinyl Acetate             | 2.464 | 43  | 32021  | 2.511  | ppbv   | 98     |
| 24) 1,1-Dichloroethane        | 2.412 | 63  | 98492  | 9.919  | ppbv   | 98     |
| 25) Ethyl Acetate             | 2.839 | 43  | 212926 | 9.952  | ppbv   | 99     |
| 26) Hexane                    | 2.829 | 57  | 96439  | 10.346 | ppbv   | 95     |
| 27) Carbon Disulfide          | 2.153 | 76  | 115323 | 10.602 | ppbv   | 94     |
| 28) Methyl tert-Butyl Ether   | 2.441 | 73  | 48903  | 8.733  | ppbv   | 96     |
| 29) Chloroform                | 2.852 | 83  | 182569 | 10.452 | ppbv   | 97     |
| 30) Cyclohexane               | 3.862 | 84  | 79058  | 10.145 | ppbv   | 98     |
| 31) cis-1,2-Dichloroethene    | 2.723 | 61  | 99450  | 9.145  | ppbv   | 92     |
| 32) 1,1,1-Trichloroethane     | 3.370 | 97  | 182895 | 9.651  | ppbv   | 99     |
| 34) 2-Butanone                | 2.561 | 43  | 115840 | 8.214  | ppbv   | 96     |
| 35) Carbon Tetrachloride      | 3.765 | 117 | 189683 | 10.710 | ppbv   | 95     |
| 36) Benzene                   | 3.658 | 78  | 191758 | 10.422 | ppbv   | 95     |
| 37) 1,2-Dichloroethane        | 3.221 | 62  | 141496 | 9.978  | ppbv   | 99     |
| 38) Trichloroethene           | 4.554 | 130 | 95431  | 13.601 | ppbv   | 89     |
| 39) 1,2-Dichloropropane       | 4.318 | 63  | 69212  | 10.048 | ppbv   | 93     |
| 40) 1,4-Dioxane               | 4.590 | 88  | 26053m | 8.077  | ppbv   |        |
| 41) Tetrahydrofuran           | 3.059 | 42  | 61236  | 9.137  | ppbv   | 99     |
| 42) Bromodichloromethane      | 4.493 | 83  | 187995 | 10.850 | ppbv   | 96     |
| 43) Methyl Methacrylate       | 4.888 | 69  | 60569  | 8.822  | ppbv   | 99     |
| 44) 2,2,4-Trimethylpentane    | 4.645 | 57  | 337514 | 11.317 | ppbv   | 98     |
| 45) t-1,3-Dichloropropene     | 6.428 | 75  | 58954  | 6.545  | ppbv   | 91     |

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

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025  
 Supervised By :Mahesh Dadoda 05/09/2025

Quant Time: May 07 01:48:51 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL050125AIR.M

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

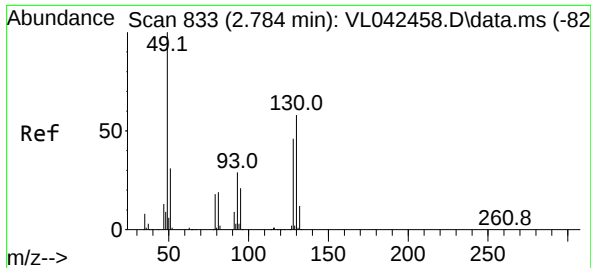
QLast Update : Fri May 02 03:16:31 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.613  | 75   | 85745    | 8.009  | ppbv   | 96       |
| 47) 1,1,2-Trichloroethane     | 6.594  | 97   | 77438    | 10.251 | ppbv   | 98       |
| 48) Dibromochloromethane      | 7.393  | 129  | 136576   | 10.709 | ppbv   | 97       |
| 49) Bromoform                 | 9.487  | 173  | 114796   | 10.733 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.765  | 43   | 161206   | 9.037  | ppbv   | 97       |
| 51) 2-Hexanone                | 7.445  | 43   | 98036    | 6.874  | ppbv # | 100      |
| 52) Tetrachloroethene         | 8.231  | 164  | 65001    | 9.281  | ppbv   | 94       |
| 53) Toluene                   | 6.940  | 91   | 215839   | 11.083 | ppbv   | 98       |
| 54) 1,2-Dibromoethane         | 7.662  | 107  | 101197   | 8.762  | ppbv   | 93       |
| 56) 1,1,1,2-Tetrachloroethane | 8.930  | 131  | 107385   | 10.982 | ppbv   | 98       |
| 57) Chlorobenzene             | 8.930  | 112  | 182744   | 10.985 | ppbv   | 94       |
| 58) Ethyl Benzene             | 9.361  | 91   | 327425   | 11.834 | ppbv   | 97       |
| 59) m/p-Xylene                | 9.558  | 91   | 577102m  | 24.880 | ppbv   |          |
| 60) o-Xylene                  | 9.969  | 91   | 294752   | 12.692 | ppbv   | 100      |
| 61) Styrene                   | 9.876  | 104  | 98553    | 11.372 | ppbv   | 98       |
| 62) Isopropylbenzene          | 10.545 | 105  | 413558   | 12.345 | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.966  | 83   | 134322   | 8.389  | ppbv   | 100      |
| 64) n-propylbenzene           | 10.995 | 120  | 103102   | 12.593 | ppbv   | 98       |
| 65) tert-Butylbenzene         | 11.536 | 119  | 375280   | 12.553 | ppbv   | 99       |
| 66) Benzyl Chloride           | 11.617 | 91   | 13460    | 3.896  | ppbv # | 94       |
| 67) sec-Butylbenzene          | 11.772 | 105  | 541364   | 12.743 | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 11.931 | 119  | 463851   | 12.959 | ppbv   | 99       |
| 70) n-Butylbenzene            | 12.287 | 91   | 492839   | 13.319 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 10.905 | 91   | 328104   | 12.487 | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 11.128 | 105  | 370034   | 13.514 | ppbv   | 100      |
| 73) 1,3,5-Trimethylbenzene    | 11.209 | 105  | 317811   | 13.197 | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 11.542 | 105  | 364646   | 12.515 | ppbv   | 93       |
| 75) 1,3-Dichlorobenzene       | 11.610 | 146  | 205478   | 12.667 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 11.675 | 146  | 202578   | 13.197 | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 11.953 | 146  | 203670   | 12.828 | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 13.886 | 225  | 196969   | 12.423 | ppbv   | 99       |
| 79) Naphthalene               | 13.517 | 128  | 401961   | 16.388 | ppbv # | 97       |
| 80) Naphthalene,2-methyl-     | 14.462 | 142  | 268295   | 14.717 | ppbv   | 99       |
| 81) 1,2,4-Trichlorobenzene    | 13.442 | 180  | 194940   | 14.902 | ppbv   | 97       |

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





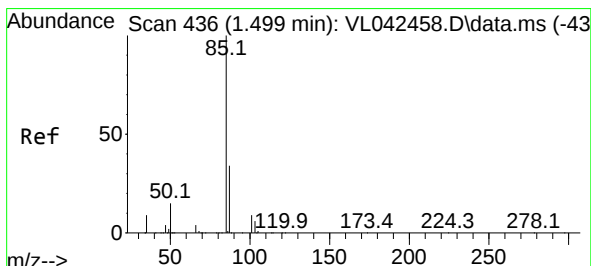
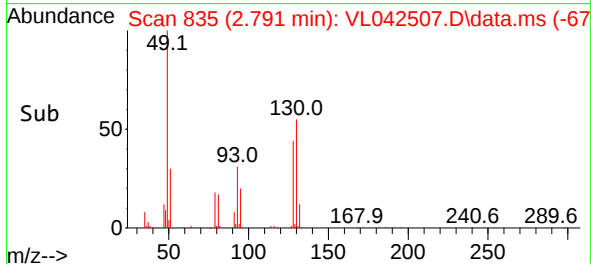
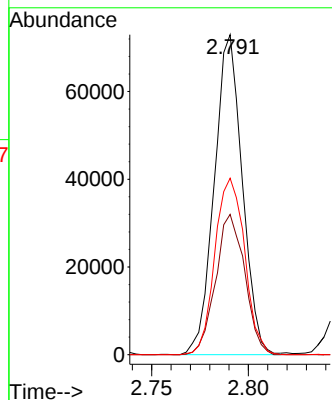
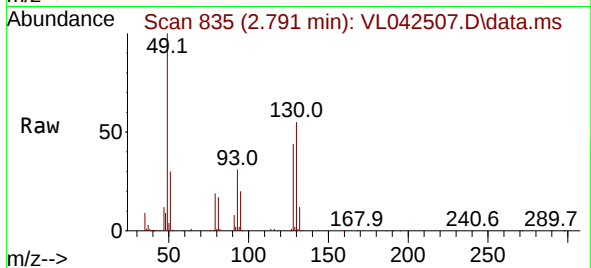
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Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.791 min Scan# 81  
Delta R.T. 0.007 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 49 Resp: 7320  
Ion Ratio Lower Upper  
49 100  
128 45.6 23.3 69.9  
130 58.7 29.5 88.6

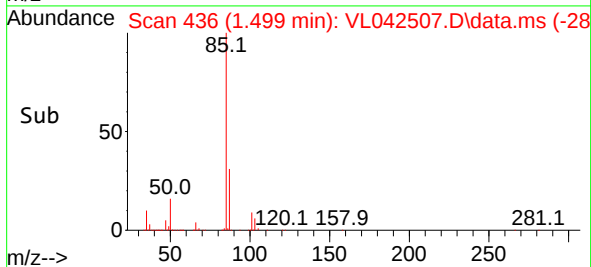
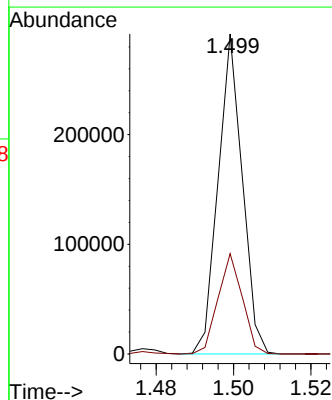
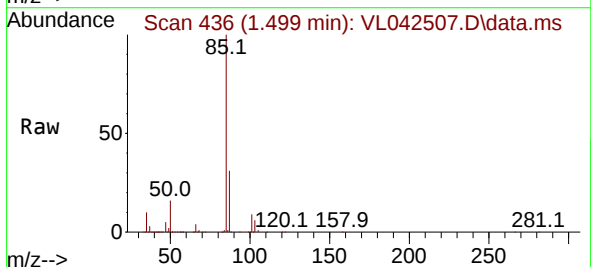
Manual Integrations  
APPROVED

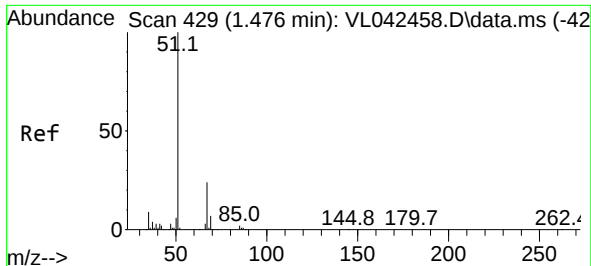
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#2  
Dichlorodifluoromethane  
Concen: 10.436 ppbv  
RT: 1.499 min Scan# 436  
Delta R.T. 0.000 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

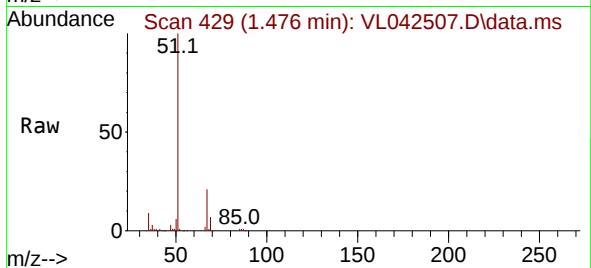
Tgt Ion: 85 Resp: 126416  
Ion Ratio Lower Upper  
85 100  
87 31.4 26.9 40.3





#3  
Chlorodifluoromethane  
Concen: 12.025 ppbv  
RT: 1.476 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

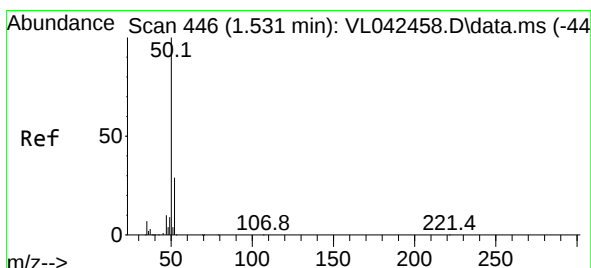
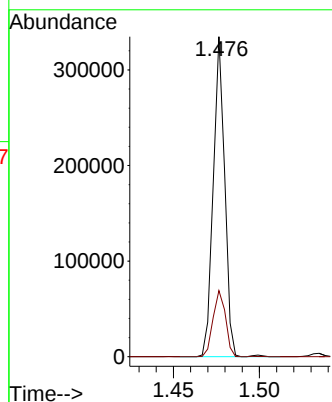
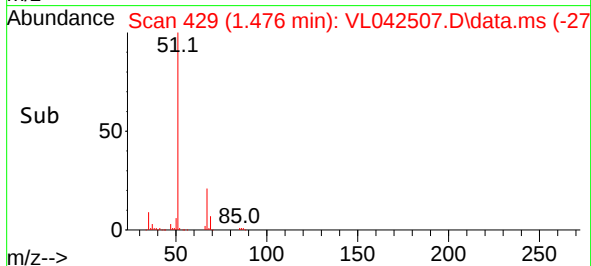
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



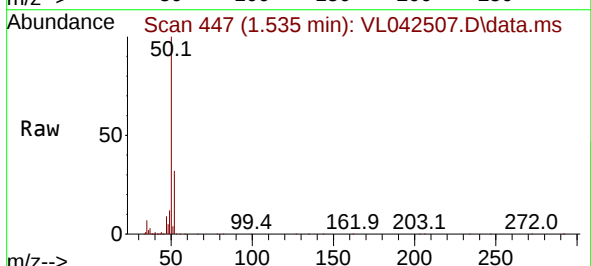
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Ion Ratio Lower Upper  
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67 22.6 18.4 27.6

Manual Integrations  
APPROVED

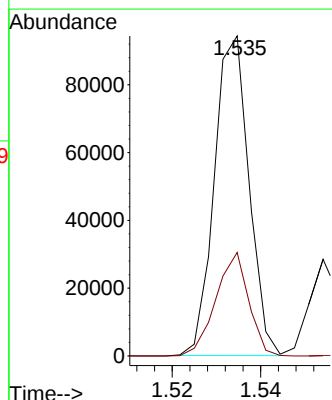
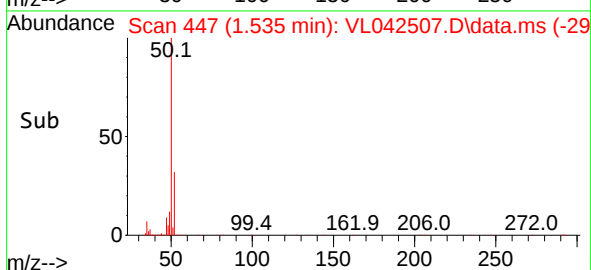
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

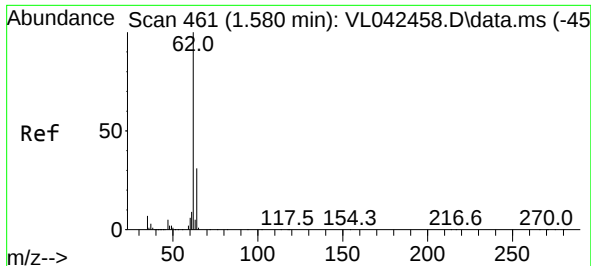


#4  
Chloromethane  
Concen: 10.129 ppbv  
RT: 1.535 min Scan# 447  
Delta R.T. 0.004 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45



Tgt Ion: 50 Resp: 51283  
Ion Ratio Lower Upper  
50 100  
52 32.4 23.5 35.3





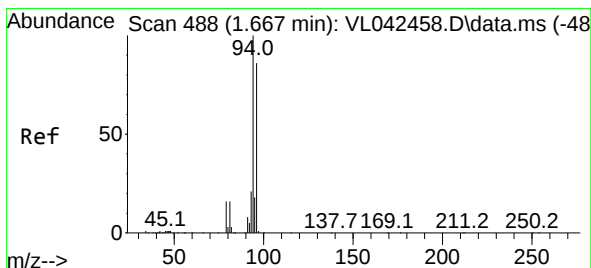
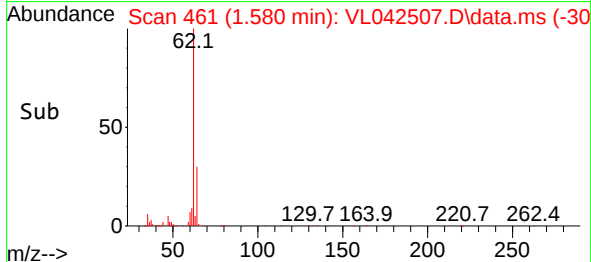
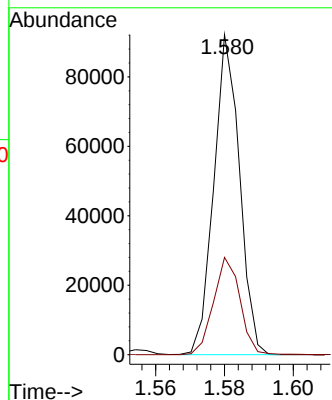
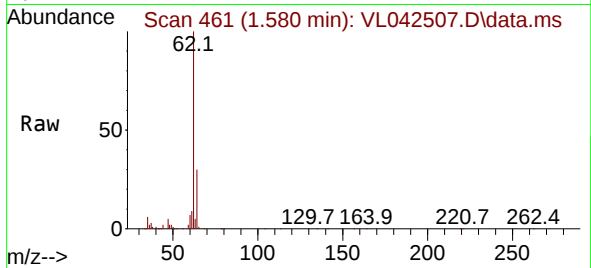
#5  
 Vinyl Chloride  
 Concen: 9.378 ppbv  
 RT: 1.580 min Scan# 461  
 Delta R.T. 0.000 min  
 Lab File: VL042507.D  
 Acq: 06 May 2025 20:45

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Tgt Ion: 62 Resp: 47804  
 Ion Ratio Lower Upper  
 62 100  
 64 30.4 24.9 37.3

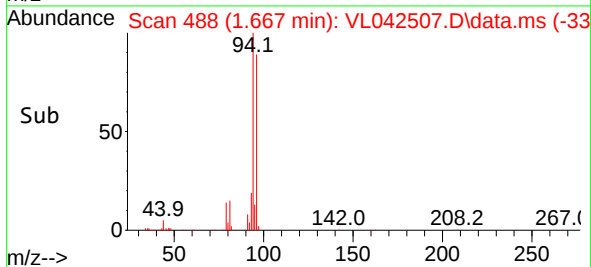
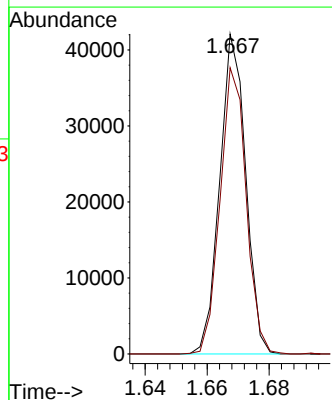
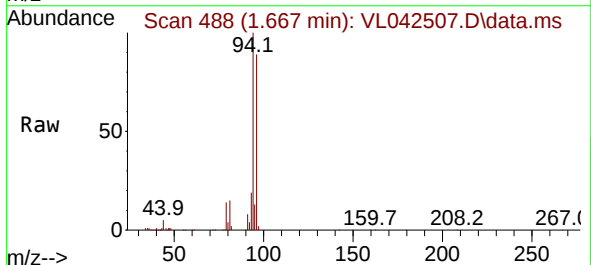
Manual Integrations  
 APPROVED

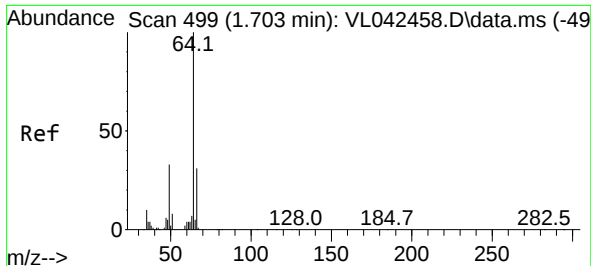
Reviewed By :Semsettin Yesilyurt 05/07/2025  
 Supervised By :Mahesh Dadoda 05/09/2025



#6  
 Bromomethane  
 Concen: 10.166 ppbv  
 RT: 1.667 min Scan# 488  
 Delta R.T. 0.000 min  
 Lab File: VL042507.D  
 Acq: 06 May 2025 20:45

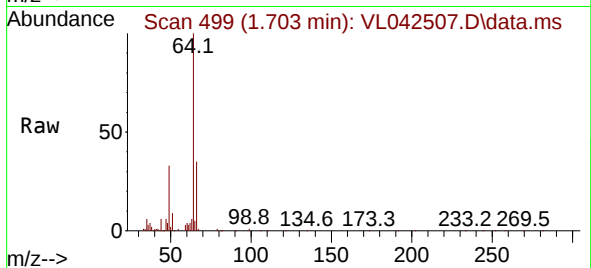
Tgt Ion: 94 Resp: 24483  
 Ion Ratio Lower Upper  
 94 100  
 96 89.5 68.8 103.2





#7  
Chloroethane  
Concen: 10.269 ppbv  
RT: 1.703 min Scan# 499  
Delta R.T. 0.000 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

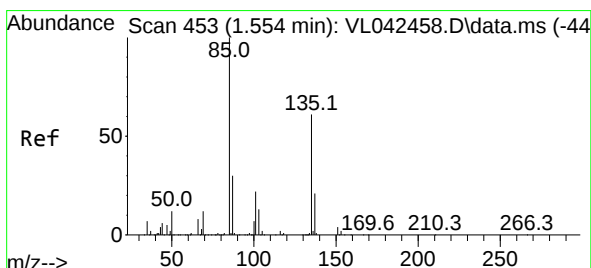
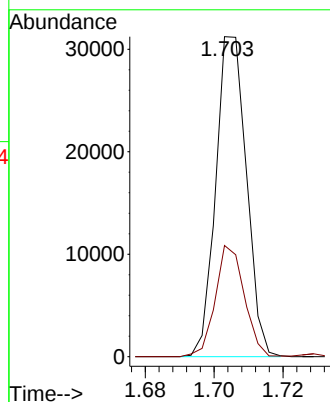
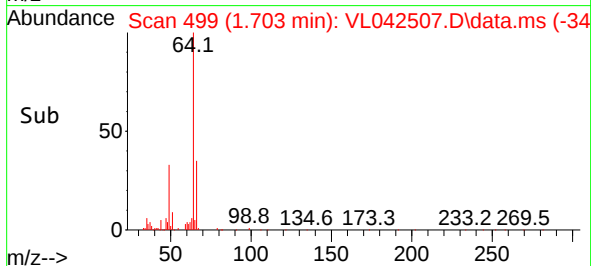
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



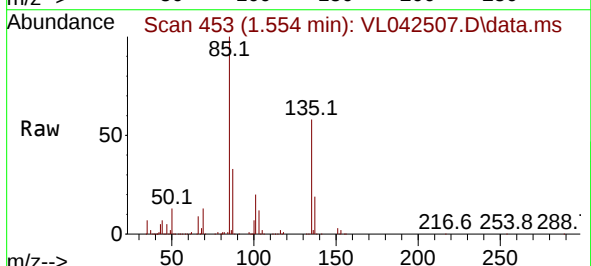
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Ion Ratio Lower Upper  
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66 34.8 25.0 37.4

Manual Integrations  
APPROVED

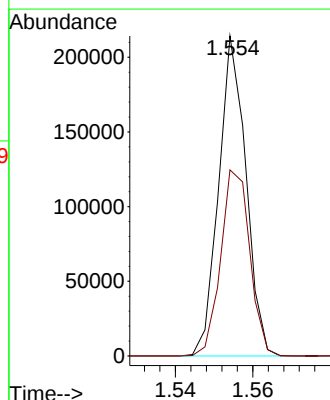
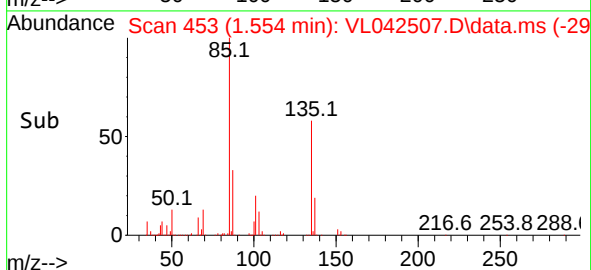
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

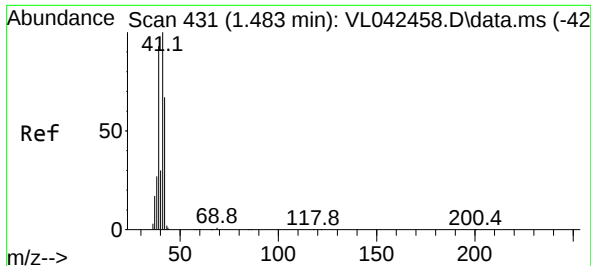


#8  
Dichlorotetrafluoroethane  
Concen: 10.468 ppbv  
RT: 1.554 min Scan# 453  
Delta R.T. 0.000 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45



Tgt Ion: 85 Resp: 104533  
Ion Ratio Lower Upper  
85 100  
135 62.2 49.8 74.8





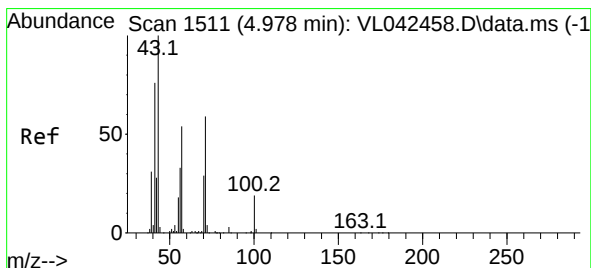
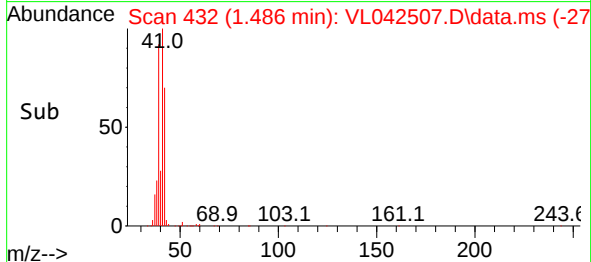
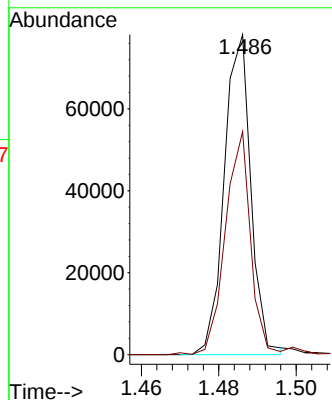
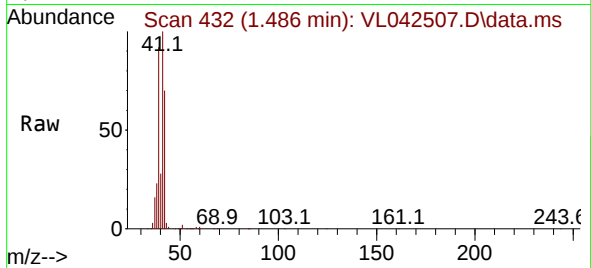
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 Propene  
 Concen: 8.880 ppbv  
 RT: 1.486 min Scan# 41  
 Delta R.T. 0.004 min  
 Lab File: VL042507.D  
 Acq: 06 May 2025 20:45

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Tgt Ion: 41 Resp: 37199  
 Ion Ratio Lower Upper  
 41 100  
 42 68.4 54.3 81.5

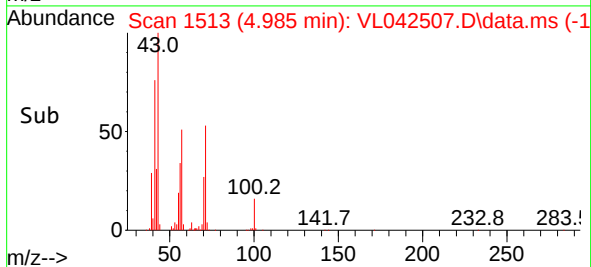
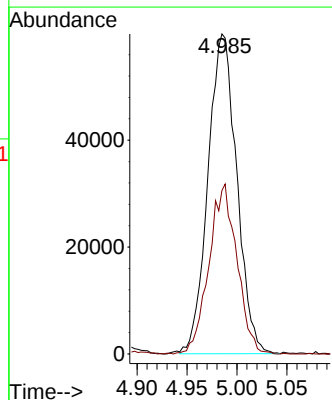
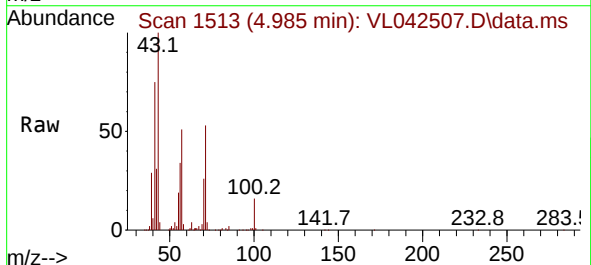
Manual Integrations  
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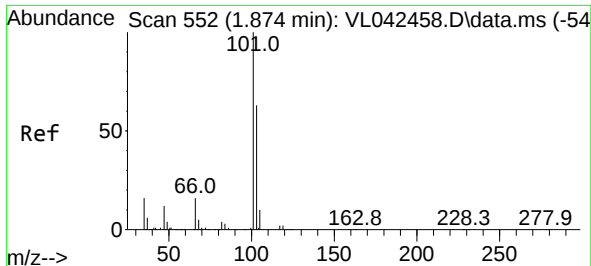
Reviewed By :Semsettin Yesilyurt 05/07/2025  
 Supervised By :Mahesh Dadoda 05/09/2025



#10  
 Heptane  
 Concen: 11.048 ppbv  
 RT: 4.985 min Scan# 1513  
 Delta R.T. 0.007 min  
 Lab File: VL042507.D  
 Acq: 06 May 2025 20:45

Tgt Ion: 43 Resp: 120050  
 Ion Ratio Lower Upper  
 43 100  
 57 51.6 41.8 62.8





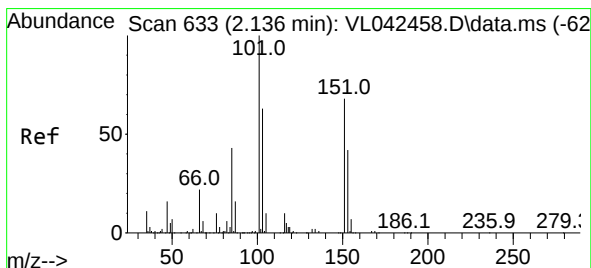
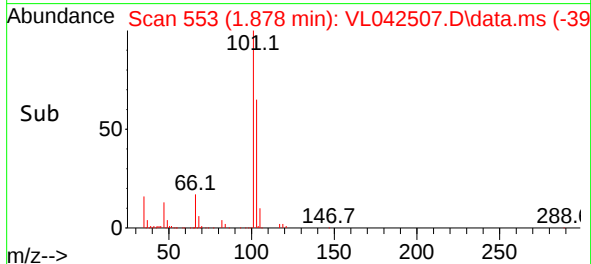
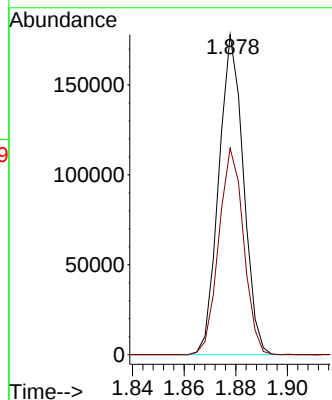
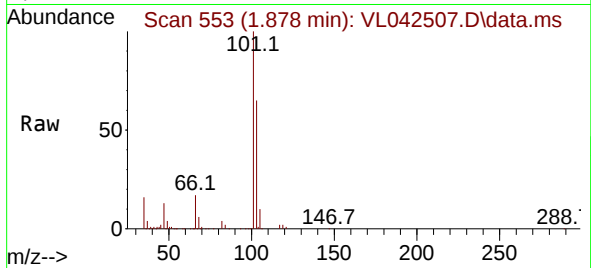
#11  
 Trichlorofluoromethane  
 Concen: 10.543 ppbv  
 RT: 1.878 min Scan# 511  
 Delta R.T. 0.004 min  
 Lab File: VL042507.D  
 Acq: 06 May 2025 20:45

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Tgt Ion:101 Resp: 11785  
 Ion Ratio Lower Upper  
 101 100  
 103 64.5 50.6 76.0

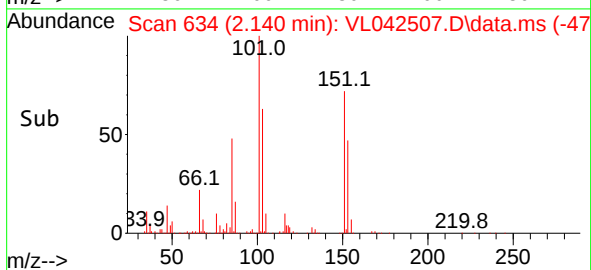
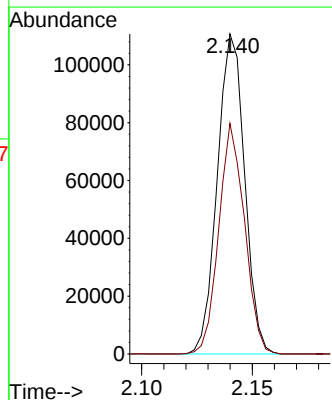
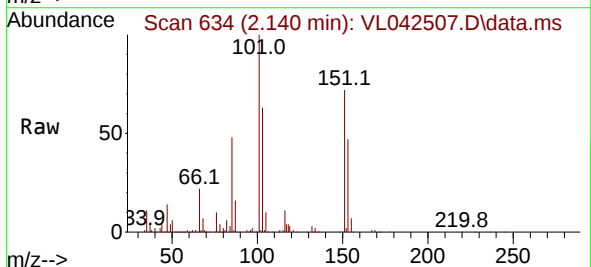
Manual Integrations  
 APPROVED

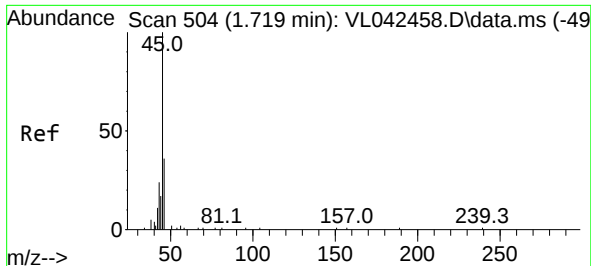
Reviewed By :Semsettin Yesilyurt 05/07/2025  
 Supervised By :Mahesh Dadoda 05/09/2025



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 10.653 ppbv  
 RT: 2.140 min Scan# 634  
 Delta R.T. 0.004 min  
 Lab File: VL042507.D  
 Acq: 06 May 2025 20:45

Tgt Ion:101 Resp: 95081  
 Ion Ratio Lower Upper  
 101 100  
 151 67.9 54.6 82.0





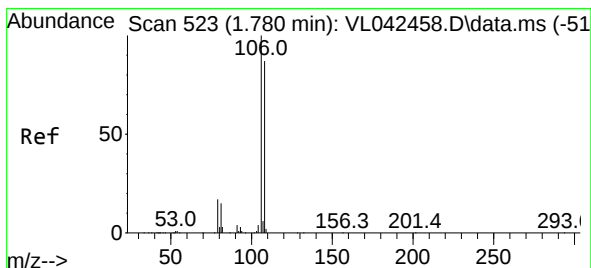
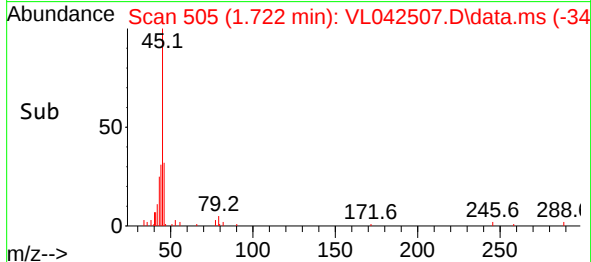
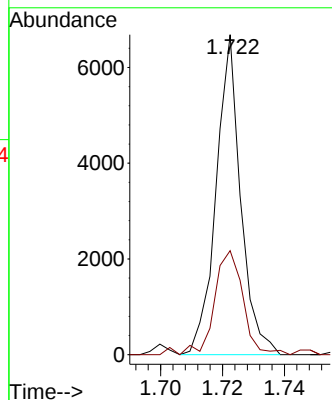
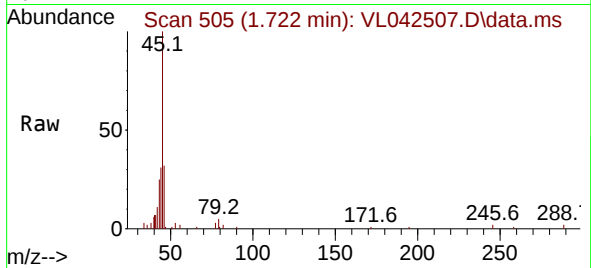
#13  
Ethanol  
Concen: 4.332 ppbv  
RT: 1.722 min Scan# 504  
Delta R.T. 0.004 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 45 Resp: 368  
Ion Ratio Lower Upper  
45 100  
46 39.1 15.3 61.1

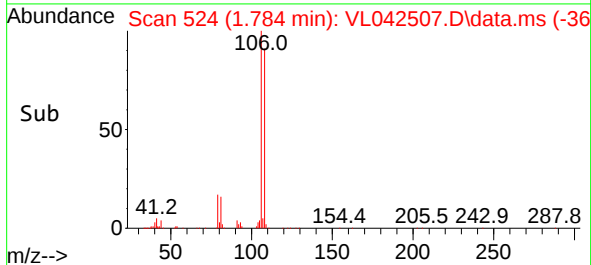
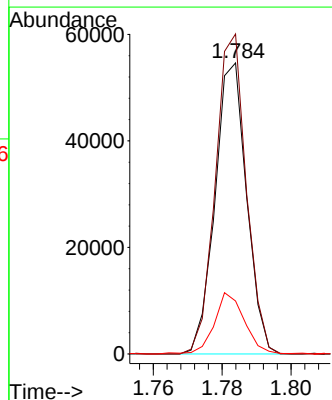
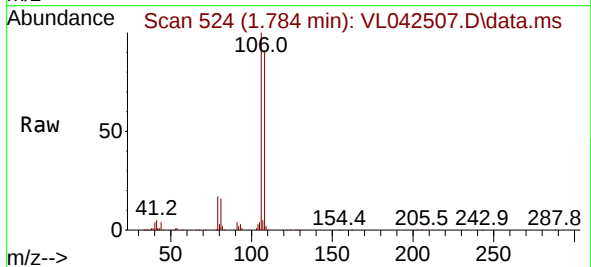
Manual Integrations  
APPROVED

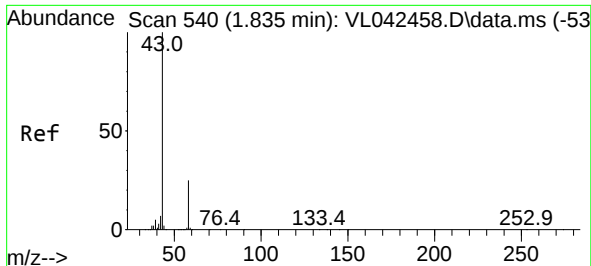
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#14  
Bromoethene  
Concen: 10.600 ppbv  
RT: 1.784 min Scan# 524  
Delta R.T. 0.004 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

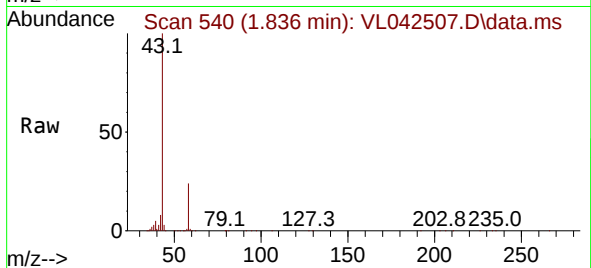
Tgt Ion:108 Resp: 34926  
Ion Ratio Lower Upper  
108 100  
106 107.1 88.8 133.2  
79 20.2 17.1 25.7





#15  
Acetone  
Concen: 8.361 ppbv  
RT: 1.836 min Scan# 540  
Delta R.T. 0.000 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

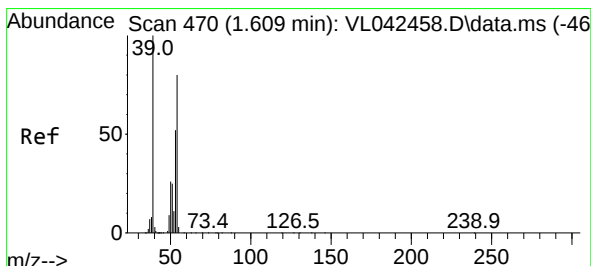
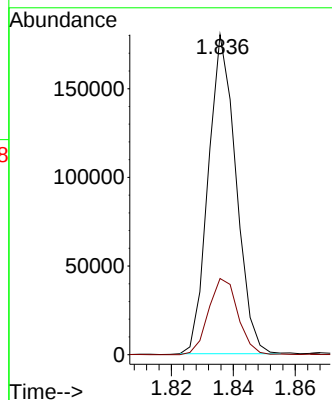
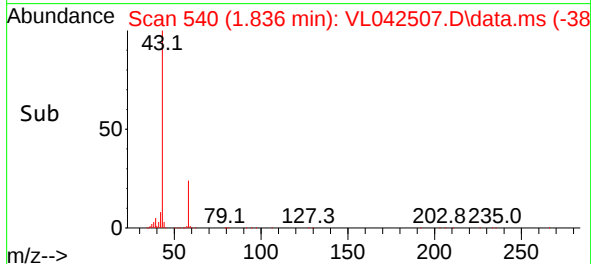
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



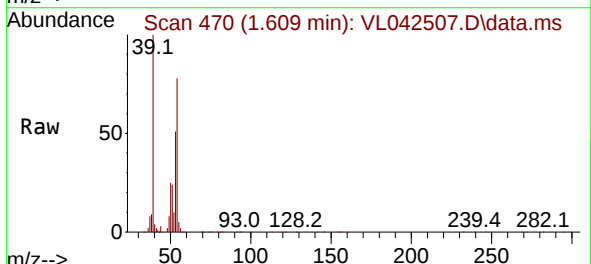
Tgt Ion: 43 Resp: 111733  
Ion Ratio Lower Upper  
43 100  
58 25.5 19.8 29.8

Manual Integrations  
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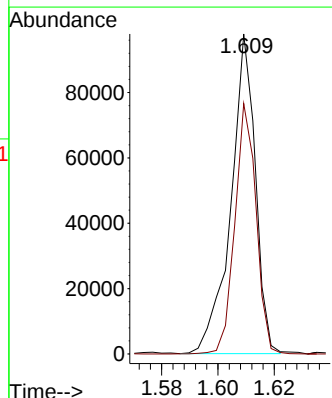
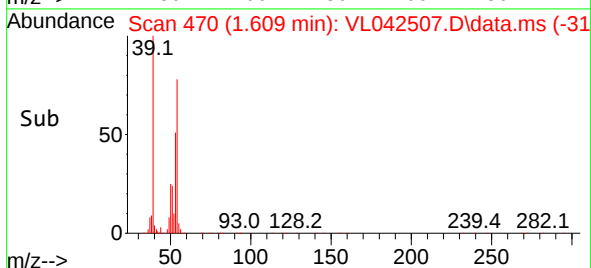
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

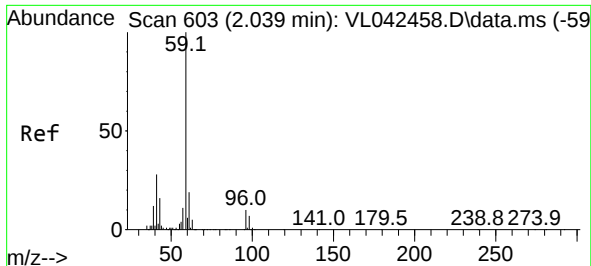


#16  
1,3-Butadiene  
Concen: 10.013 ppbv  
RT: 1.609 min Scan# 470  
Delta R.T. 0.000 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45



Tgt Ion: 39 Resp: 59012  
Ion Ratio Lower Upper  
39 100  
54 67.9 55.2 82.8





#17

tert-Butyl alcohol

Concen: 7.204 ppbv

RT: 2.043 min Scan# 603

Delta R.T. 0.004 min

Lab File: VL042507.D

Acq: 06 May 2025 20:45

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 59 Resp: 84810

Ion Ratio Lower Upper

59 100

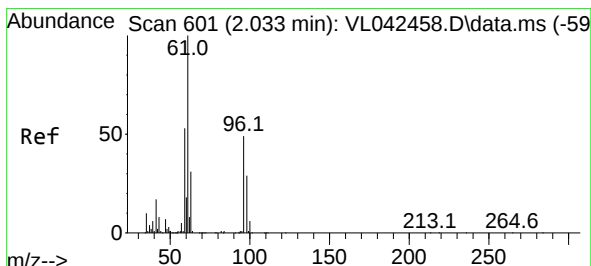
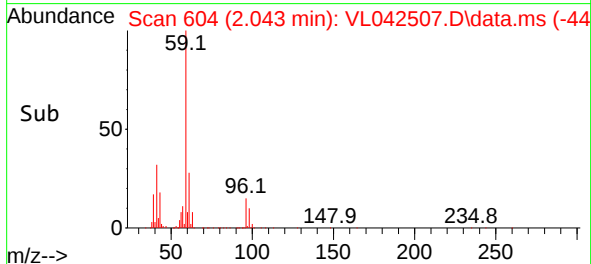
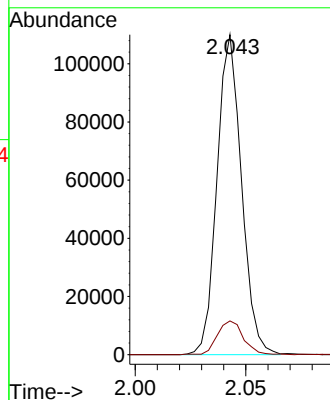
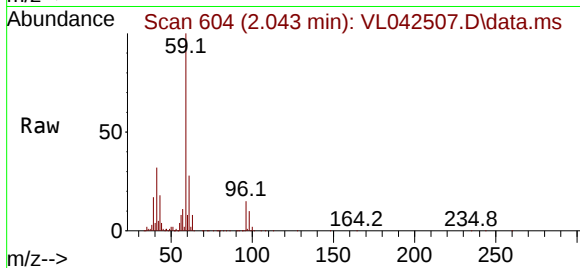
57 11.3 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025

Supervised By :Mahesh Dadoda 05/09/2025



#18

1,1-Dichloroethene

Concen: 10.555 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.004 min

Lab File: VL042507.D

Acq: 06 May 2025 20:45

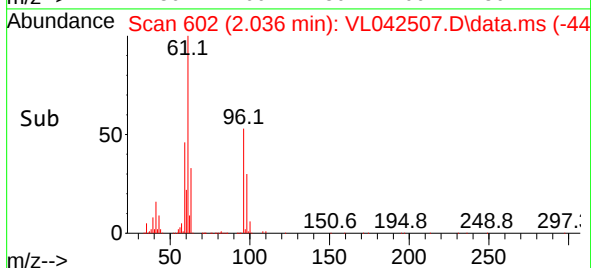
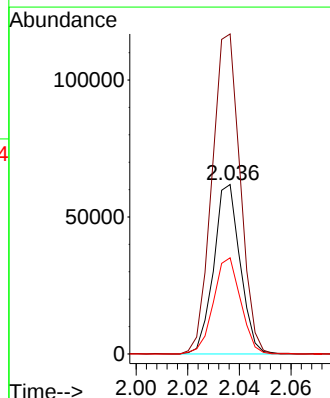
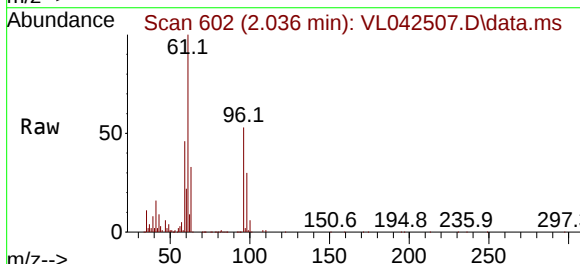
Tgt Ion: 96 Resp: 43987

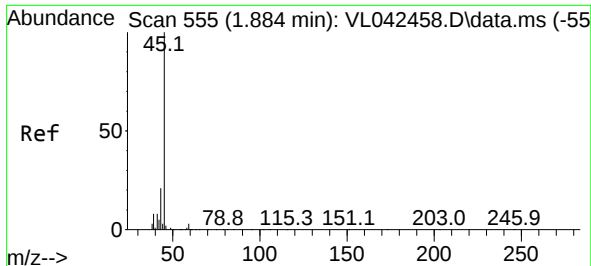
Ion Ratio Lower Upper

96 100

61 188.9 164.9 247.3

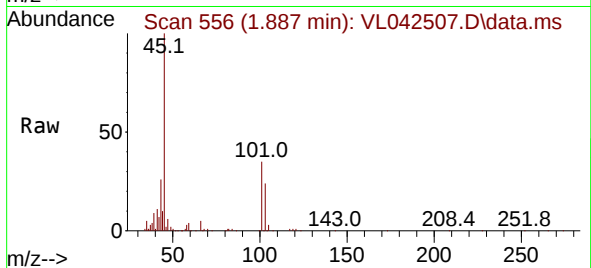
98 56.8 48.2 72.2





#19  
Isopropyl Alcohol  
Concen: 4.957 ppbv  
RT: 1.887 min Scan# 51  
Delta R.T. 0.004 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

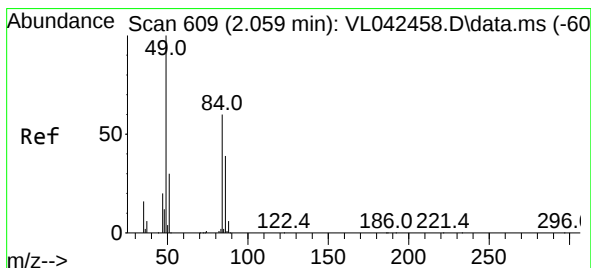
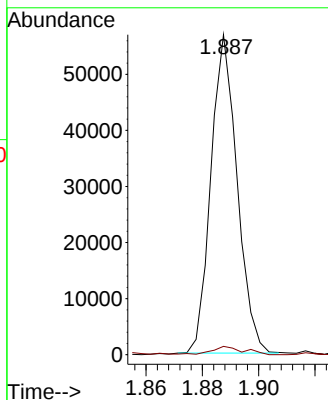
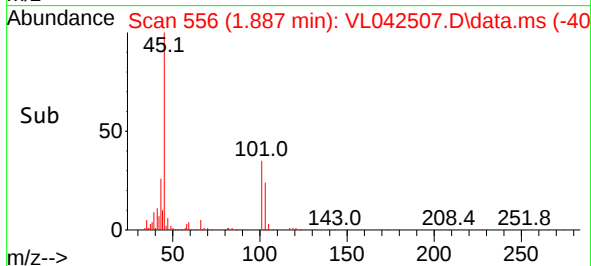
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



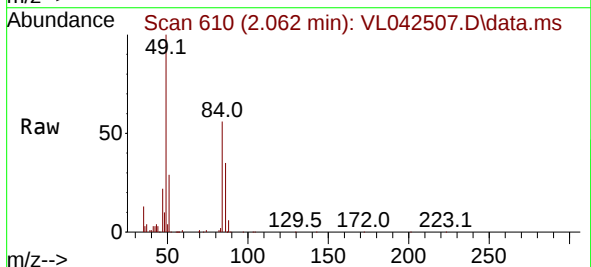
Tgt Ion: 45 Resp: 36662  
Ion Ratio Lower Upper  
45 100  
58 3.9 1.6 2.4

Manual Integrations  
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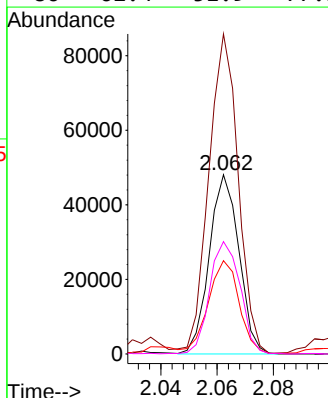
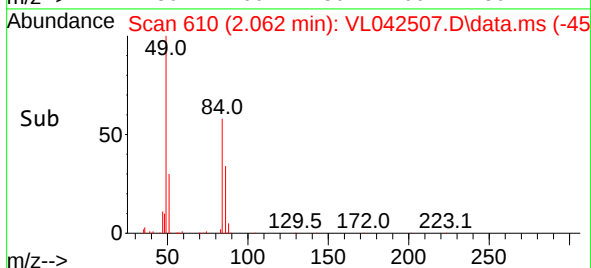
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

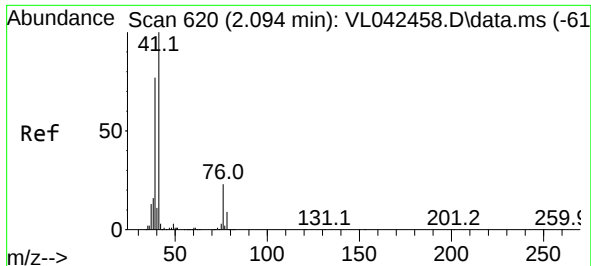


#20  
Methylene Chloride  
Concen: 8.762 ppbv  
RT: 2.062 min Scan# 610  
Delta R.T. 0.004 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45



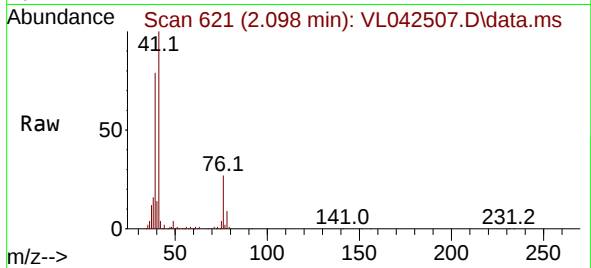
Tgt Ion: 84 Resp: 35200  
Ion Ratio Lower Upper  
84 100  
49 178.0 133.9 200.9  
51 51.8 41.0 61.6  
86 62.4 51.9 77.9





#21  
 Allyl Chloride  
 Concen: 9.005 ppbv  
 RT: 2.098 min Scan# 61  
 Delta R.T. 0.004 min  
 Lab File: VL042507.D  
 Acq: 06 May 2025 20:45

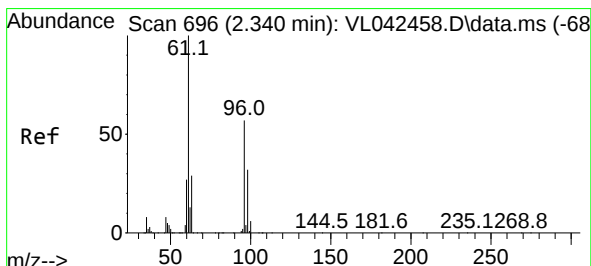
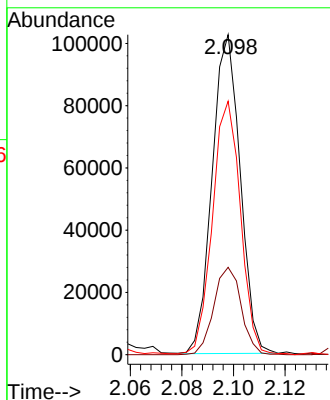
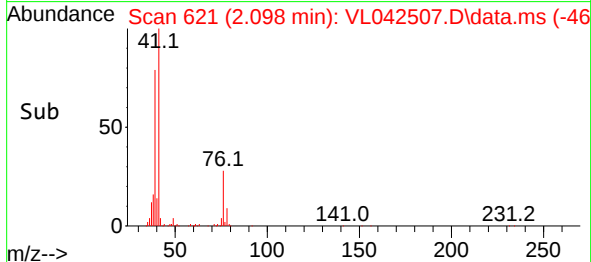
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC



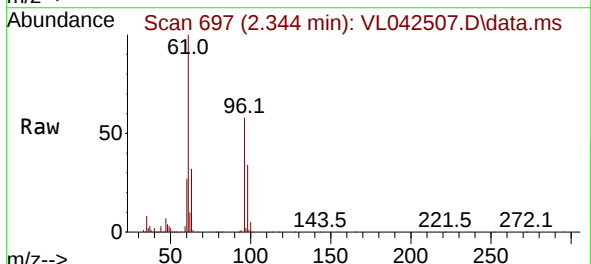
Tgt Ion: 41 Resp: 77384  
 Ion Ratio Lower Upper  
 41 100  
 76 26.7 19.6 29.4  
 39 79.5 61.0 91.4

Manual Integrations  
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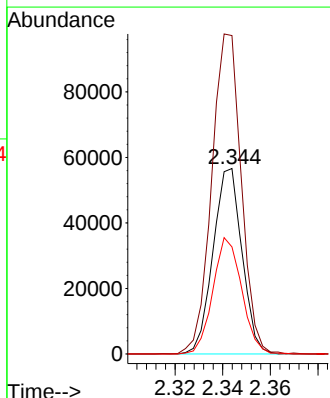
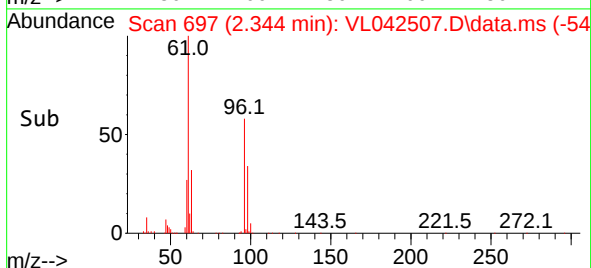
Reviewed By :Semsettin Yesilyurt 05/07/2025  
 Supervised By :Mahesh Dadoda 05/09/2025

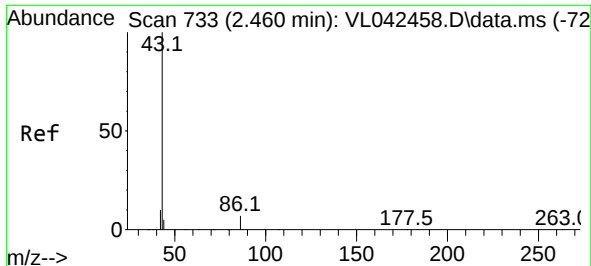


#22  
 trans-1,2-Dichloroethene  
 Concen: 9.808 ppbv  
 RT: 2.344 min Scan# 697  
 Delta R.T. 0.004 min  
 Lab File: VL042507.D  
 Acq: 06 May 2025 20:45



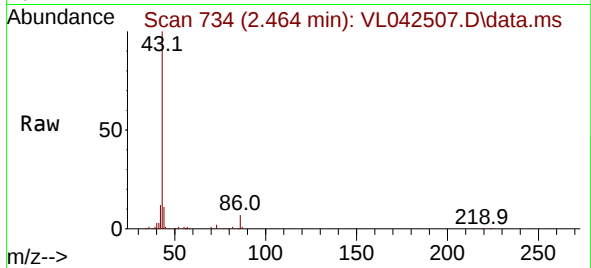
Tgt Ion: 96 Resp: 47739  
 Ion Ratio Lower Upper  
 96 100  
 61 171.4 141.8 212.6  
 98 57.7 45.0 67.6





#23  
 Vinyl Acetate  
 Concen: 2.511 ppbv  
 RT: 2.464 min Scan# 718  
 Delta R.T. 0.004 min  
 Lab File: VL042507.D  
 Acq: 06 May 2025 20:45

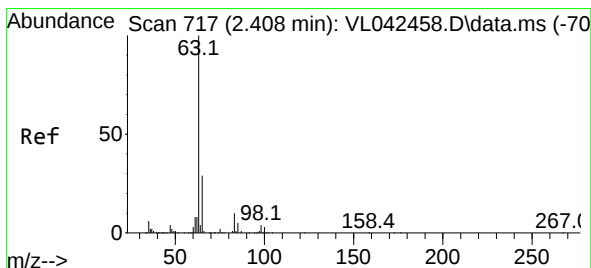
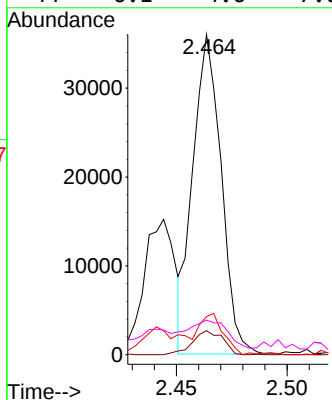
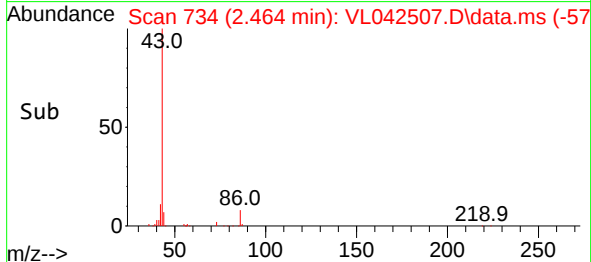
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC



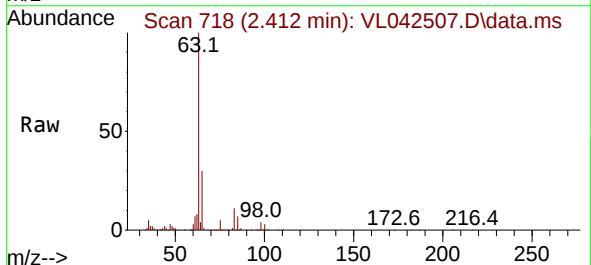
Tgt Ion: 43 Resp: 3202  
 Ion Ratio Lower Upper  
 43 100  
 86 7.5 5.5 8.3  
 42 11.3 8.3 12.5  
 44 6.1 4.6 7.0

Manual Integrations  
 APPROVED

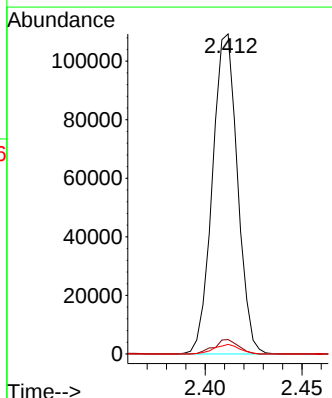
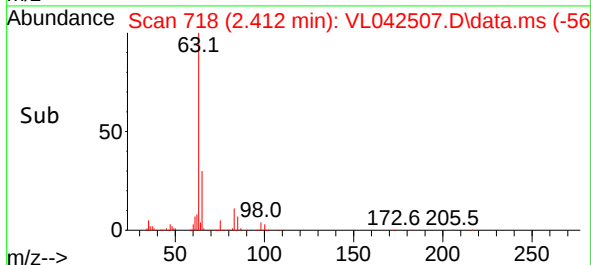
Reviewed By :Semsettin Yesilyurt 05/07/2025  
 Supervised By :Mahesh Dadoda 05/09/2025

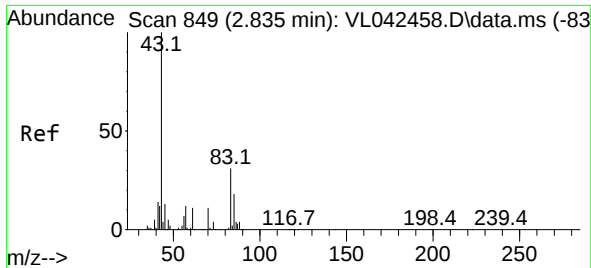


#24  
 1,1-Dichloroethane  
 Concen: 9.919 ppbv  
 RT: 2.412 min Scan# 718  
 Delta R.T. 0.004 min  
 Lab File: VL042507.D  
 Acq: 06 May 2025 20:45



Tgt Ion: 63 Resp: 98492  
 Ion Ratio Lower Upper  
 63 100  
 98 4.5 1.8 5.5  
 100 3.0 1.4 4.2





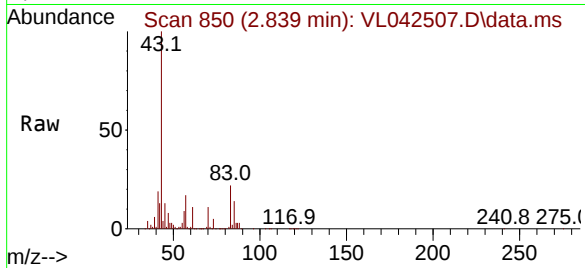
#25  
Ethyl Acetate  
Concen: 9.952 ppbv  
RT: 2.839 min Scan# 849  
Delta R.T. 0.004 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

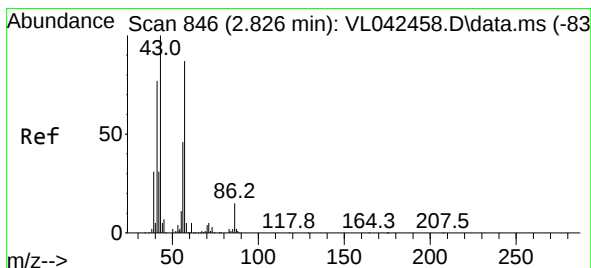
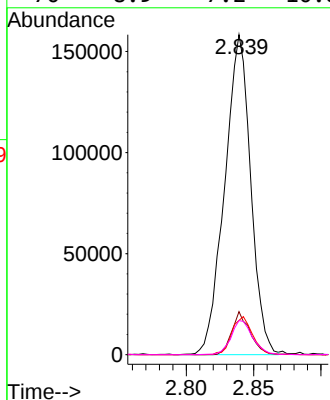
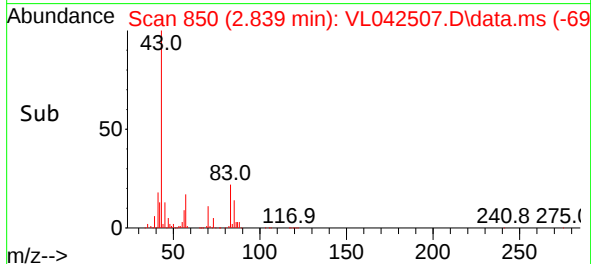


Tgt Ion: 43 Resp: 212920  
Ion Ratio Lower Upper  
43 100  
45 9.5 7.8 11.6  
61 9.5 7.2 10.8  
70 8.9 7.2 10.8

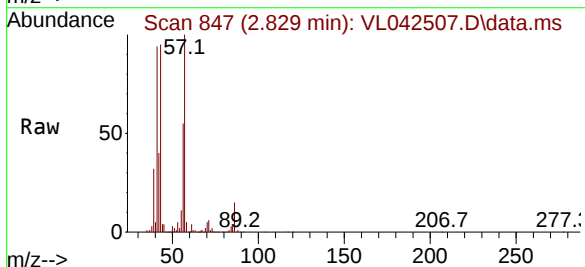
Manual Integrations

APPROVED

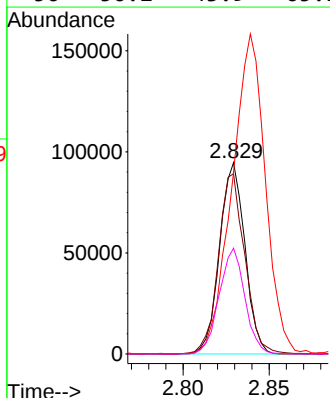
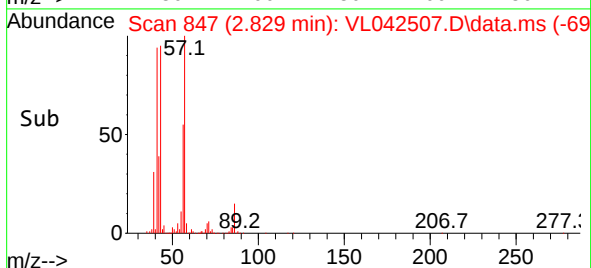
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

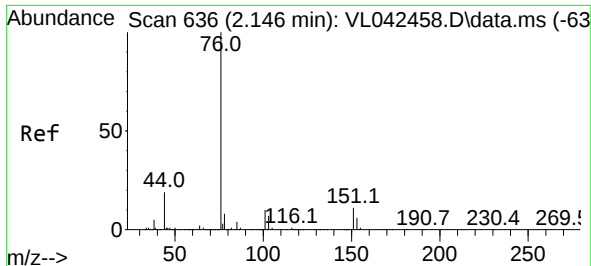


#26  
Hexane  
Concen: 10.346 ppbv  
RT: 2.829 min Scan# 847  
Delta R.T. 0.004 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45



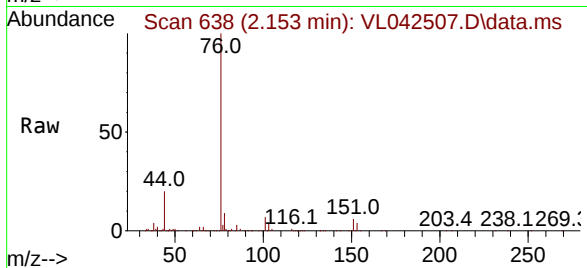
Tgt Ion: 57 Resp: 96439  
Ion Ratio Lower Upper  
57 100  
41 99.2 77.8 116.8  
43 222.5 187.0 280.6  
56 56.2 43.9 65.9





#27  
Carbon Disulfide  
Concen: 10.602 ppbv  
RT: 2.153 min Scan# 61  
Delta R.T. 0.007 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

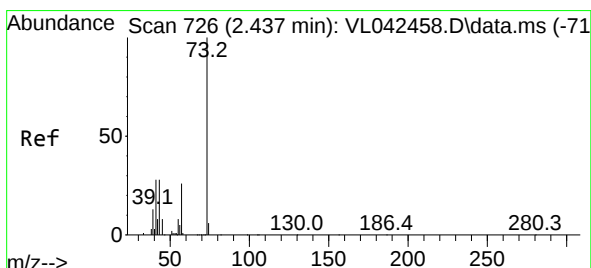
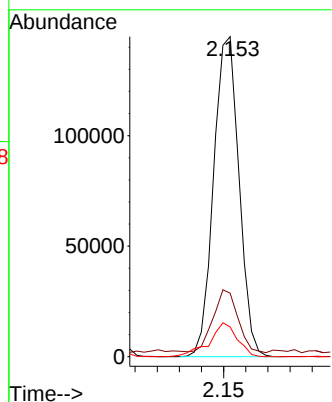
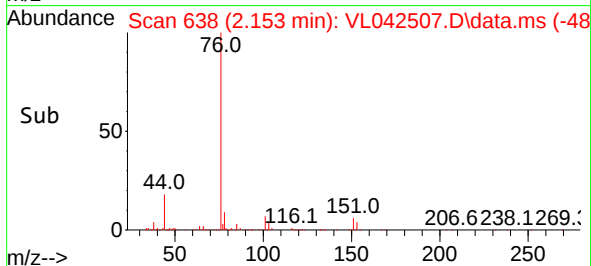
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



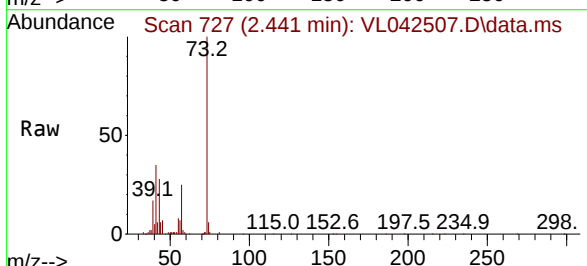
Tgt Ion: 76 Resp: 11532  
Ion Ratio Lower Upper  
76 100  
44 22.5 21.0 31.6  
78 11.7 8.6 13.0

Manual Integrations  
APPROVED

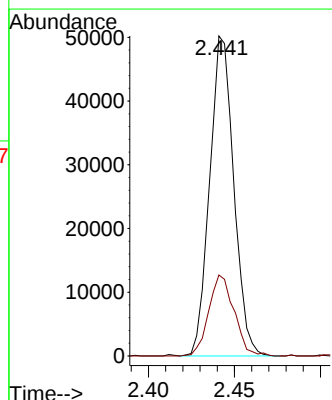
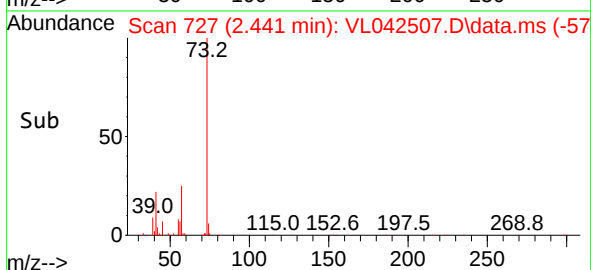
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

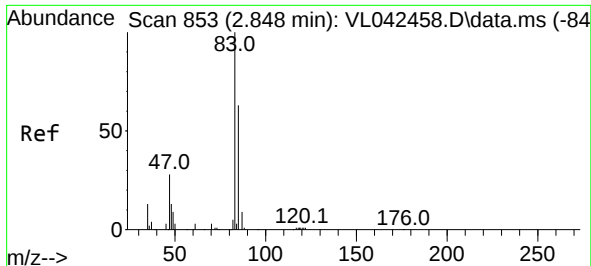


#28  
Methyl tert-Butyl Ether  
Concen: 8.733 ppbv  
RT: 2.441 min Scan# 727  
Delta R.T. 0.004 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45



Tgt Ion: 73 Resp: 48903  
Ion Ratio Lower Upper  
73 100  
57 26.7 19.9 29.9





#29

Chloroform

Concen: 10.452 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.004 min

Lab File: VL042507.D

Acq: 06 May 2025 20:45

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 83 Resp: 182569

Ion Ratio Lower Upper

83 100

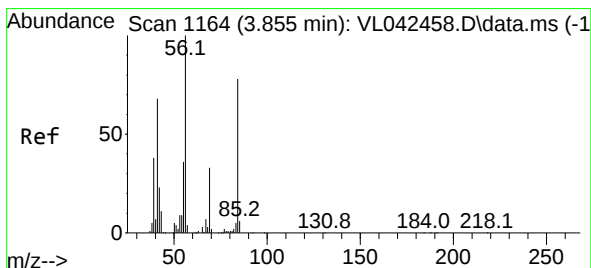
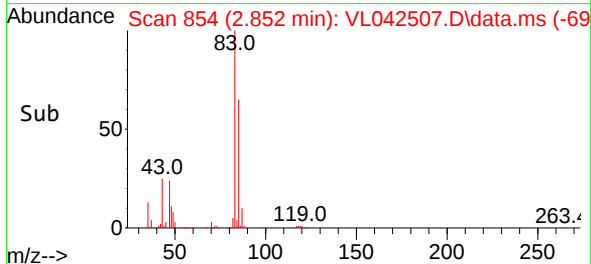
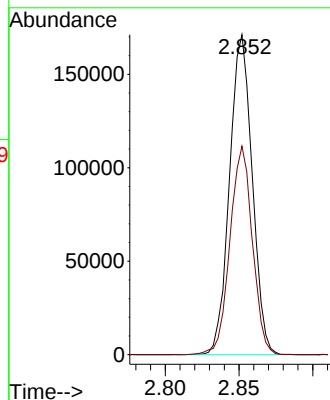
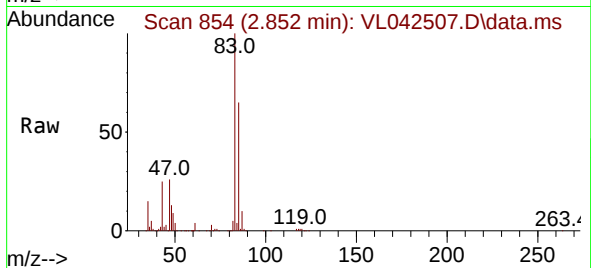
85 65.1 50.4 75.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025

Supervised By :Mahesh Dadoda 05/09/2025



#30

Cyclohexane

Concen: 10.145 ppbv

RT: 3.862 min Scan# 1166

Delta R.T. 0.007 min

Lab File: VL042507.D

Acq: 06 May 2025 20:45

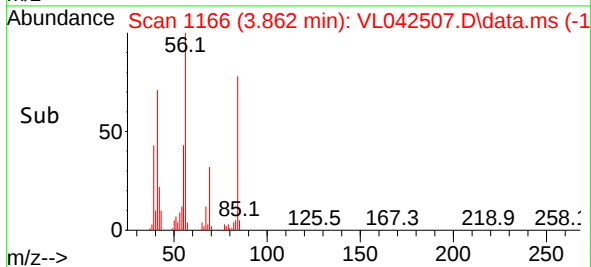
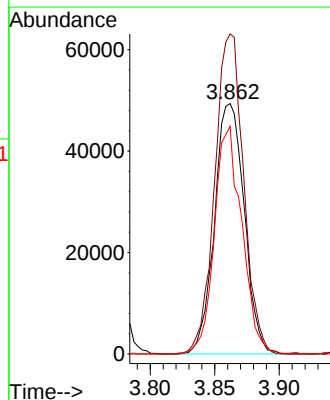
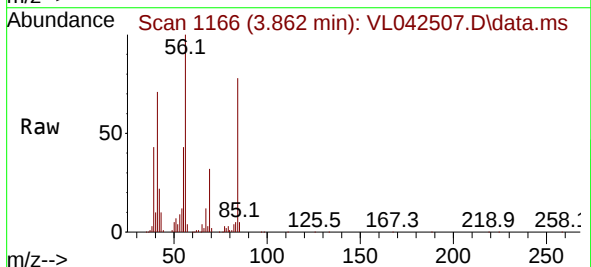
Tgt Ion: 84 Resp: 79058

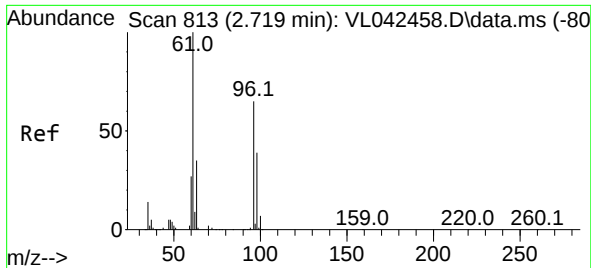
Ion Ratio Lower Upper

84 100

56 123.9 98.1 147.1

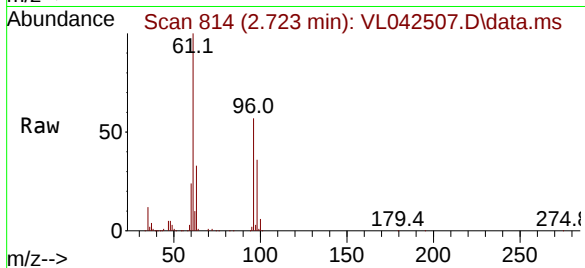
41 84.1 65.8 98.8





#31  
 cis-1,2-Dichloroethene  
 Concen: 9.145 ppbv  
 RT: 2.723 min Scan# 813  
 Delta R.T. 0.004 min  
 Lab File: VL042507.D  
 Acq: 06 May 2025 20:45

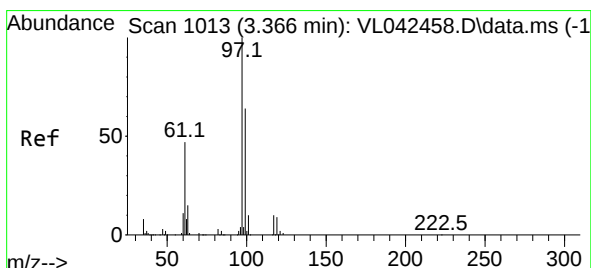
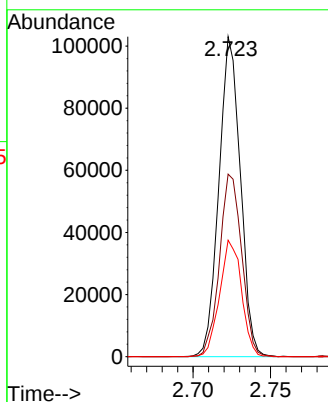
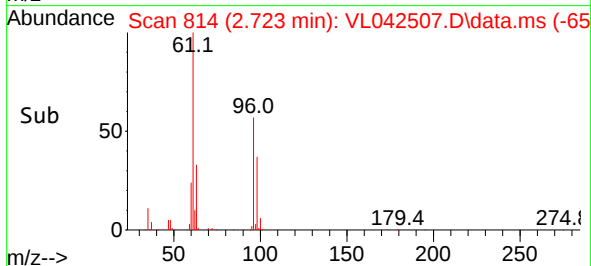
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC



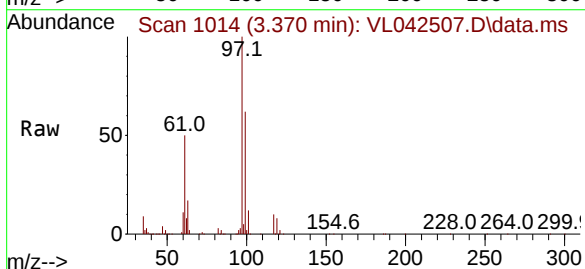
Tgt Ion: 61 Resp: 99450  
 Ion Ratio Lower Upper  
 61 100  
 96 57.0 52.0 78.0  
 98 36.4 31.0 46.6

Manual Integrations  
 APPROVED

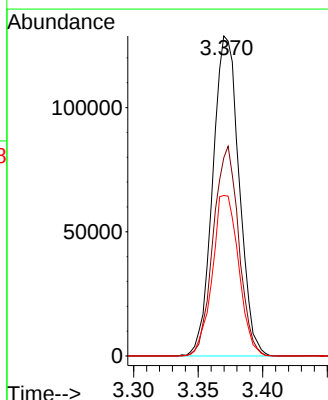
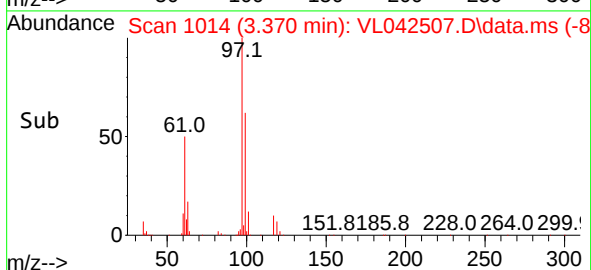
Reviewed By :Semsettin Yesilyurt 05/07/2025  
 Supervised By :Mahesh Dadoda 05/09/2025

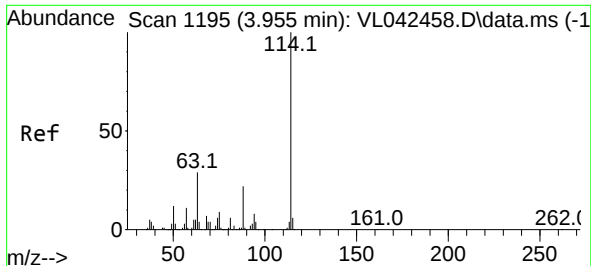


#32  
 1,1,1-Trichloroethane  
 Concen: 9.651 ppbv  
 RT: 3.370 min Scan# 1014  
 Delta R.T. 0.004 min  
 Lab File: VL042507.D  
 Acq: 06 May 2025 20:45



Tgt Ion: 97 Resp: 182895  
 Ion Ratio Lower Upper  
 97 100  
 99 63.2 50.7 76.1  
 61 50.2 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1195

Delta R.T. 0.010 min

Lab File: VL042507.D

Acq: 06 May 2025 20:45

Instrument :

MSVOA\_L

ClientSampleId :

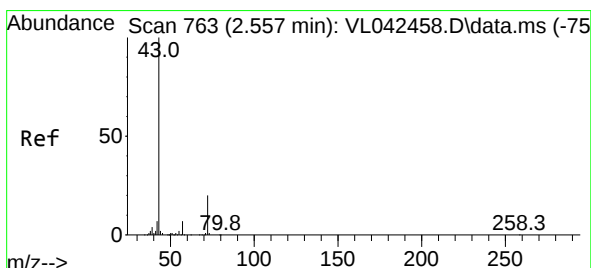
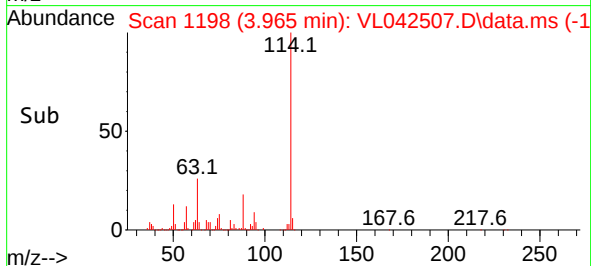
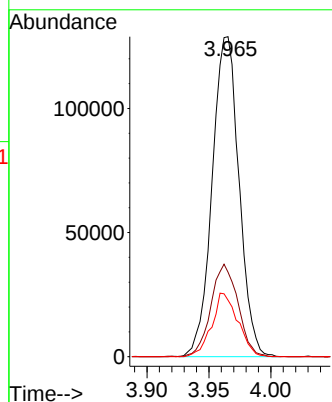
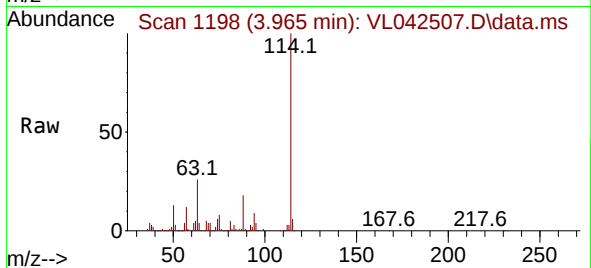
VSTDCCC010EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 114   | Resp: | 19497 |
| Ion Ratio | Lower | Upper |       |
| 114       | 100   |       |       |
| 63        | 29.2  | 23.1  | 34.7  |
| 88        | 19.3  | 16.1  | 24.1  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#34

2-Butanone

Concen: 8.214 ppbv

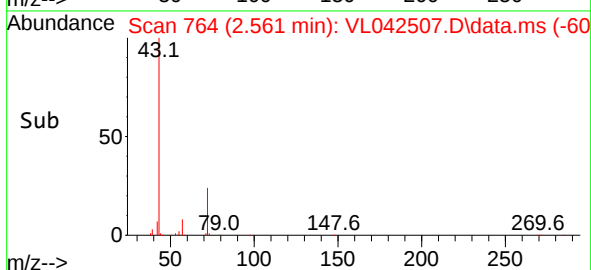
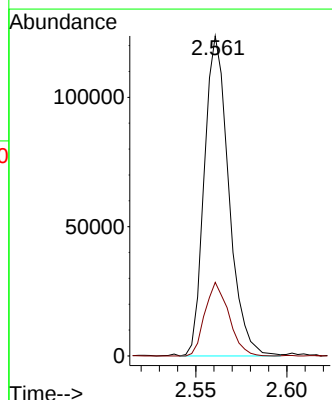
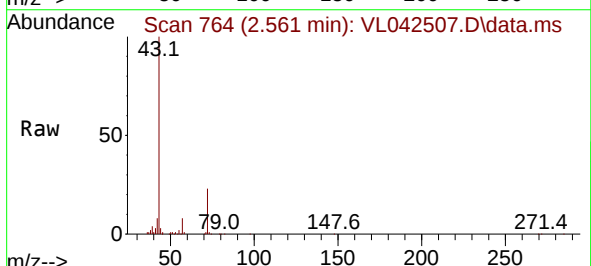
RT: 2.561 min Scan# 764

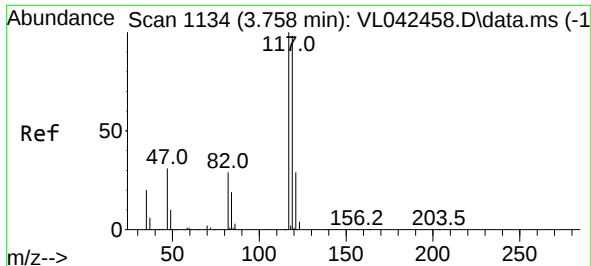
Delta R.T. 0.004 min

Lab File: VL042507.D

Acq: 06 May 2025 20:45

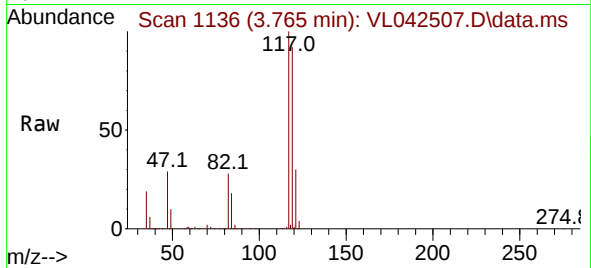
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 115840 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 72        | 22.7  | 16.7  | 25.1   |





#35  
Carbon Tetrachloride  
Concen: 10.710 ppbv  
RT: 3.765 min Scan# 1136  
Delta R.T. 0.007 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

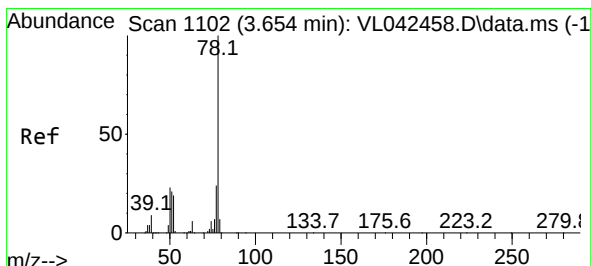
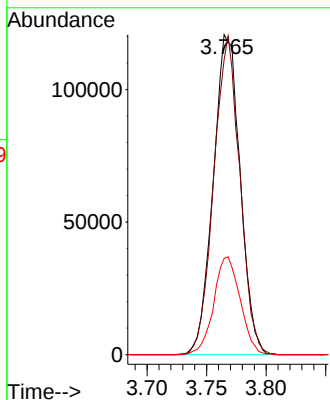
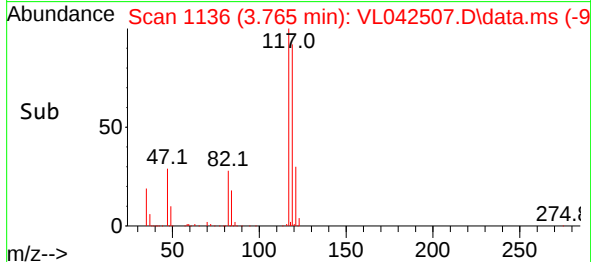
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



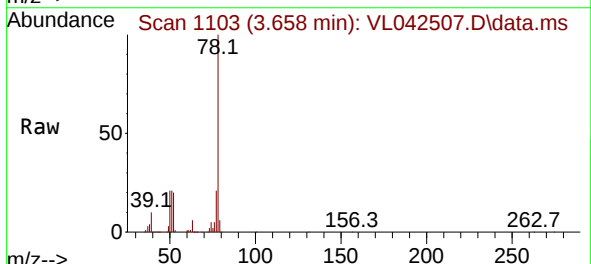
Tgt Ion:117 Resp: 18968  
Ion Ratio Lower Upper  
117 100  
119 92.2 78.1 117.1  
121 30.1 23.0 34.6

Manual Integrations  
APPROVED

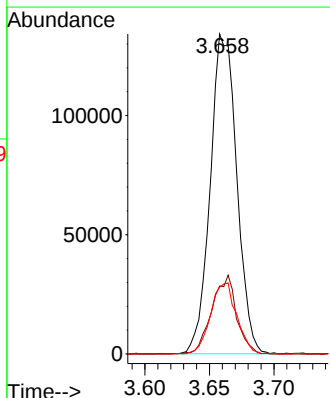
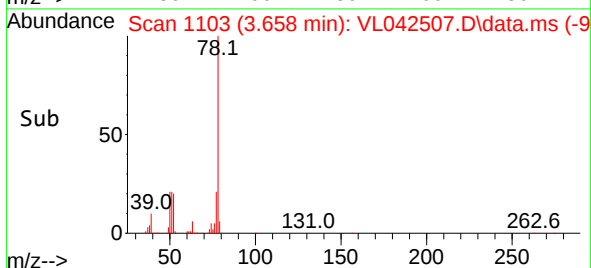
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

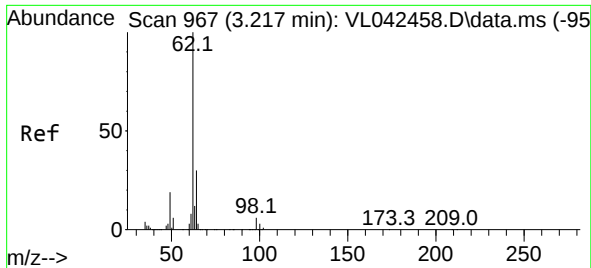


#36  
Benzene  
Concen: 10.422 ppbv  
RT: 3.658 min Scan# 1103  
Delta R.T. 0.004 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45



Tgt Ion: 78 Resp: 191758  
Ion Ratio Lower Upper  
78 100  
77 21.2 18.9 28.3  
50 20.9 18.4 27.6





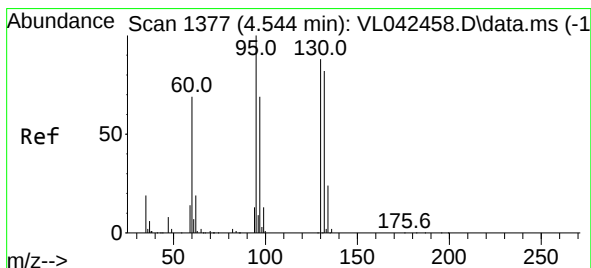
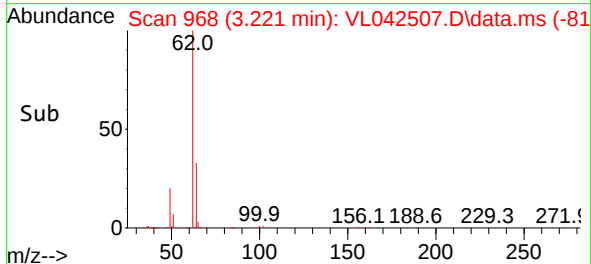
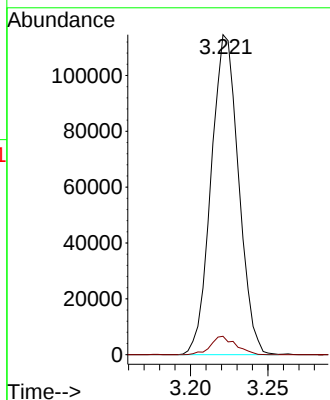
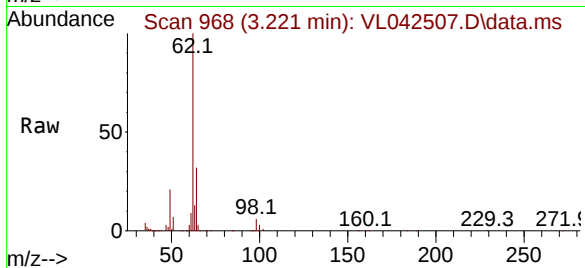
#37  
1,2-Dichloroethane  
Concen: 9.978 ppbv  
RT: 3.221 min Scan# 968  
Delta R.T. 0.004 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 62 Resp: 141490  
Ion Ratio Lower Upper  
62 100  
98 5.2 4.3 6.5

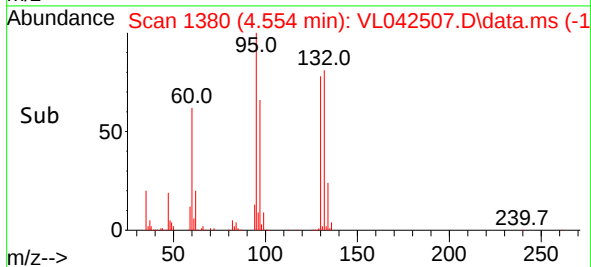
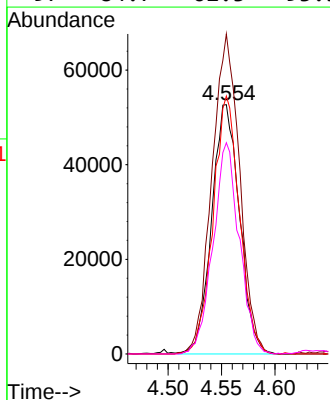
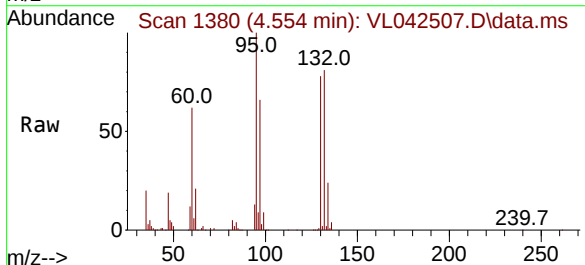
Manual Integrations  
APPROVED

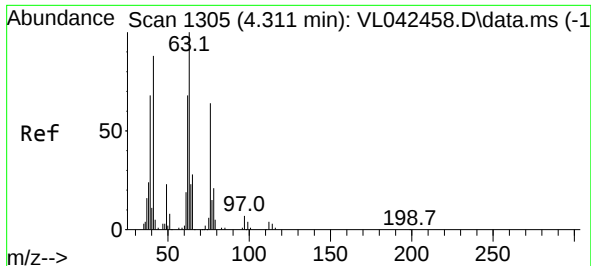
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#38  
Trichloroethene  
Concen: 13.601 ppbv  
RT: 4.554 min Scan# 1380  
Delta R.T. 0.010 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

Tgt Ion:130 Resp: 95431  
Ion Ratio Lower Upper  
130 100  
95 128.4 91.0 136.4  
132 103.4 74.2 111.4  
97 84.7 62.3 93.5





#39

1,2-Dichloropropane

Concen: 10.048 ppbv

RT: 4.318 min Scan# 1305

Delta R.T. 0.007 min

Lab File: VL042507.D

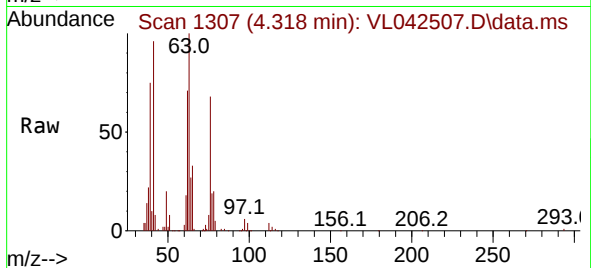
Acq: 06 May 2025 20:45

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

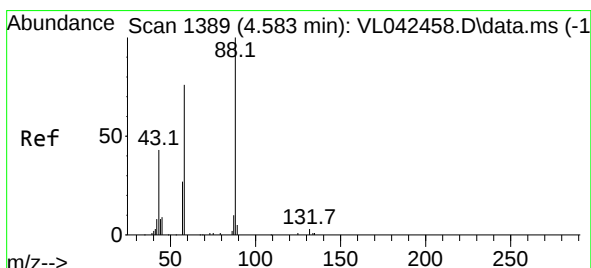
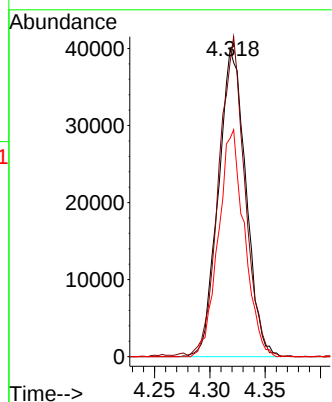
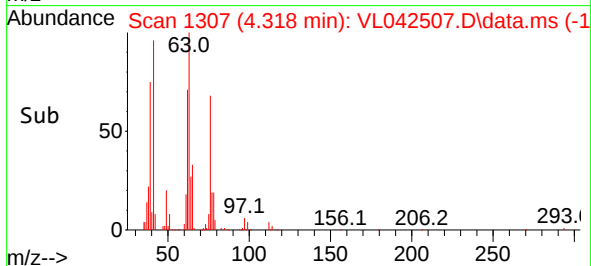


| Tgt Ion:  | 63   | Resp: | 6921  |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 63        | 100  |       |       |
| 41        | 95.4 | 69.8  | 104.6 |
| 62        | 71.0 | 54.3  | 81.5  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#40

1,4-Dioxane

Concen: 8.077 ppbv m

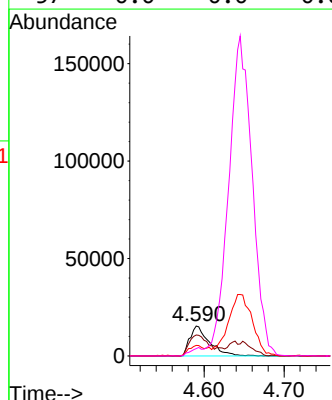
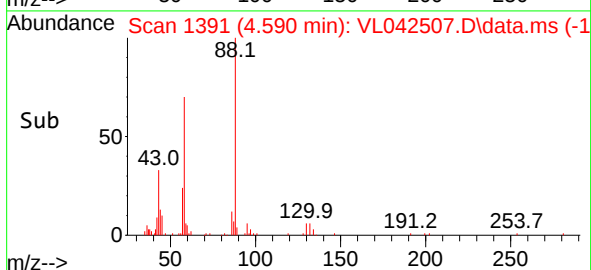
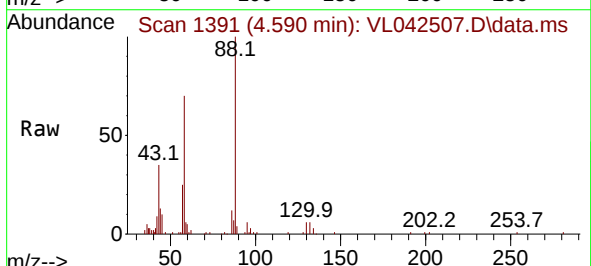
RT: 4.590 min Scan# 1391

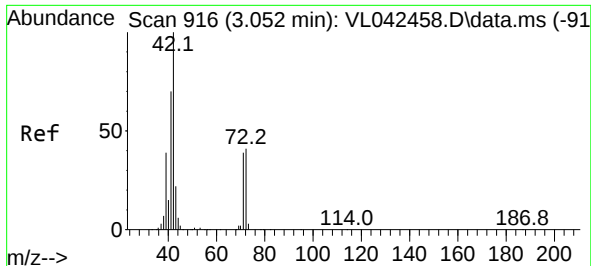
Delta R.T. 0.007 min

Lab File: VL042507.D

Acq: 06 May 2025 20:45

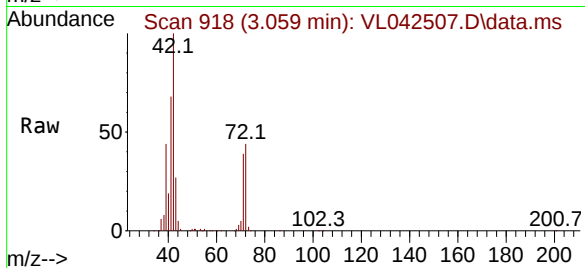
| Tgt Ion:  | 88   | Resp: | 26053 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 88        | 100  |       |       |
| 58        | 72.9 | 0.0   | 0.0#  |
| 43        | 34.0 | 0.0   | 0.0#  |
| 57        | 0.0  | 0.0   | 0.0   |





#41  
Tetrahydrofuran  
Concen: 9.137 ppbv  
RT: 3.059 min Scan# 916  
Delta R.T. 0.007 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

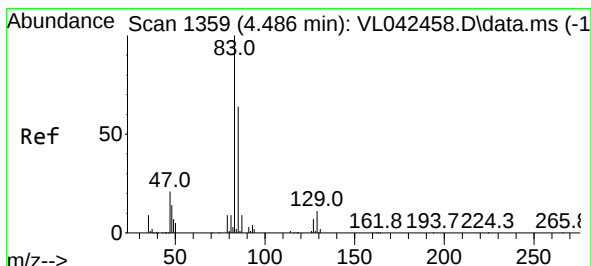
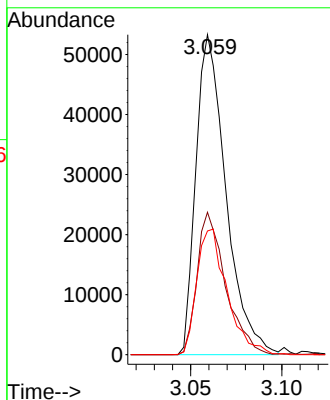
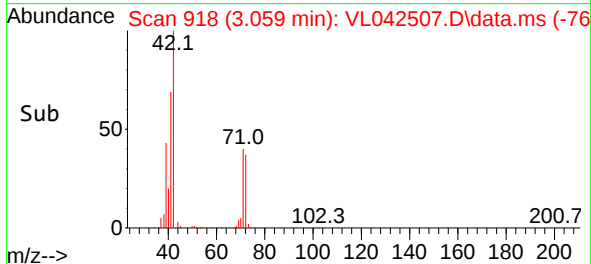
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



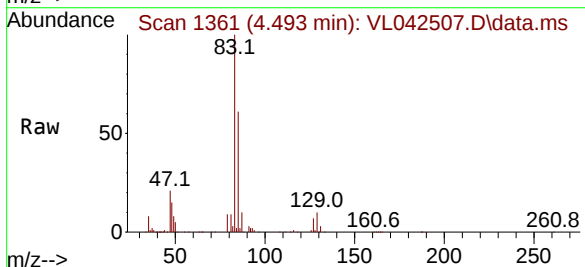
Tgt Ion: 42 Resp: 61230  
Ion Ratio Lower Upper  
42 100  
72 42.5 33.5 50.3  
71 39.6 32.6 49.0

Manual Integrations  
APPROVED

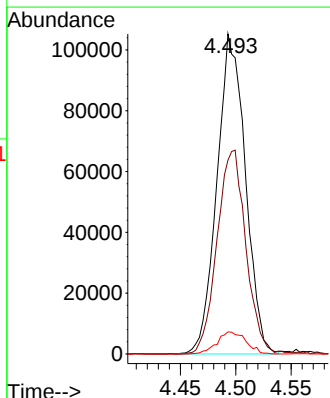
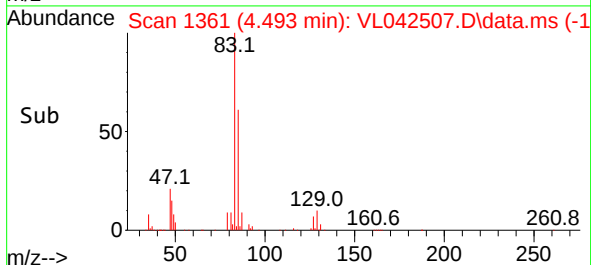
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

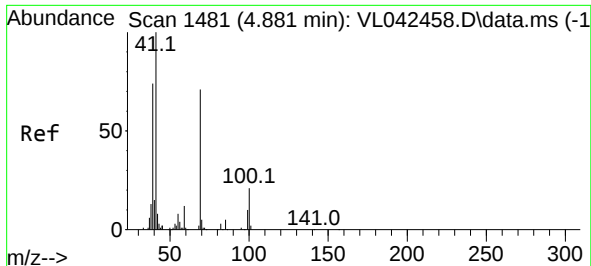


#42  
Bromodichloromethane  
Concen: 10.850 ppbv  
RT: 4.493 min Scan# 1361  
Delta R.T. 0.007 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45



Tgt Ion: 83 Resp: 187995  
Ion Ratio Lower Upper  
83 100  
85 60.6 51.5 77.3  
127 6.9 5.4 8.2





#43  
Methyl Methacrylate  
Concen: 8.822 ppbv  
RT: 4.888 min Scan# 1483  
Delta R.T. 0.007 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

Instrument :

MSVOA\_L

ClientSampleId :

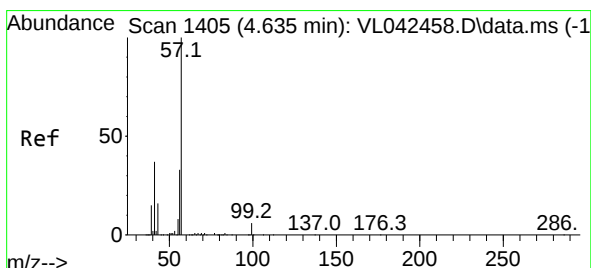
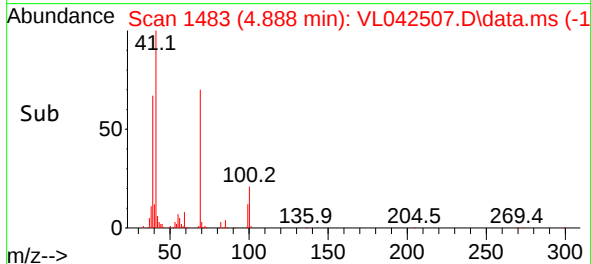
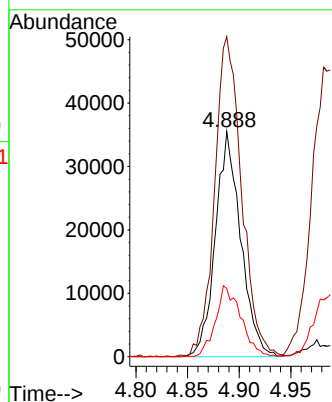
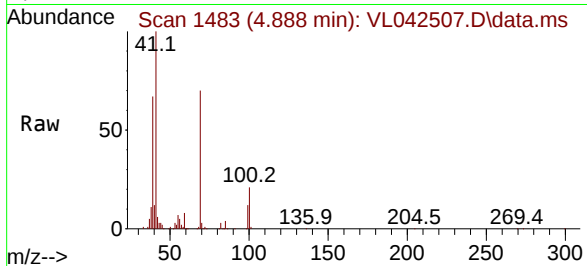
VSTDCCC010EC

Tgt Ion: 69 Resp: 60569  
Ion Ratio Lower Upper  
69 100  
41 151.1 120.8 181.2  
100 31.7 26.7 40.1

Manual Integrations

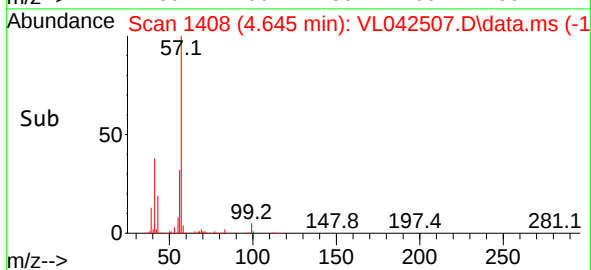
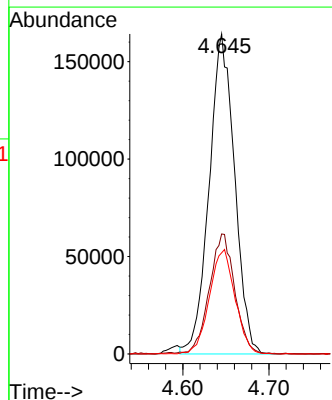
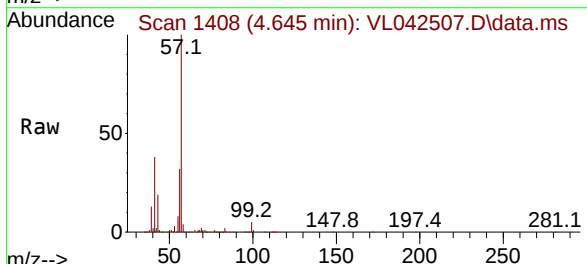
APPROVED

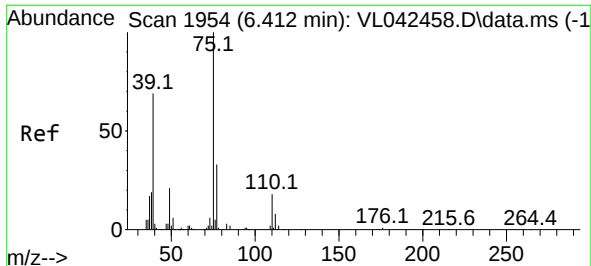
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#44  
2,2,4-Trimethylpentane  
Concen: 11.317 ppbv  
RT: 4.645 min Scan# 1408  
Delta R.T. 0.010 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

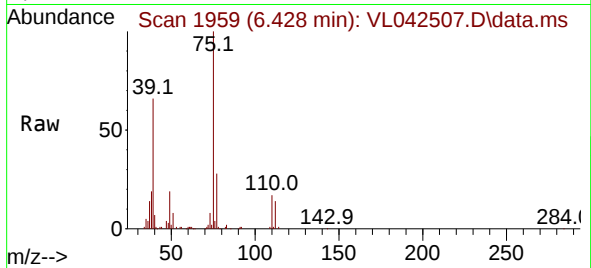
Tgt Ion: 57 Resp: 337514  
Ion Ratio Lower Upper  
57 100  
41 37.7 30.6 45.8  
56 33.0 25.0 37.6





#45  
 t-1,3-Dichloropropene  
 Concen: 6.545 ppbv  
 RT: 6.428 min Scan# 1954  
 Delta R.T. 0.017 min  
 Lab File: VL042507.D  
 Acq: 06 May 2025 20:45

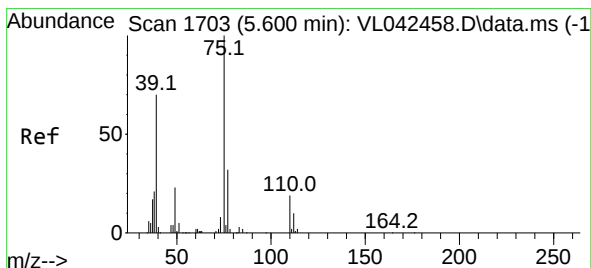
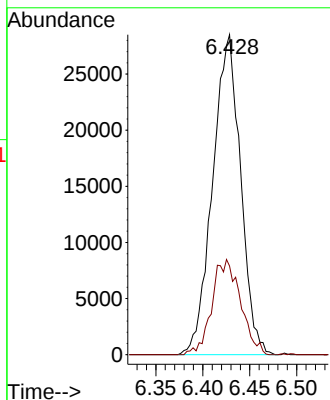
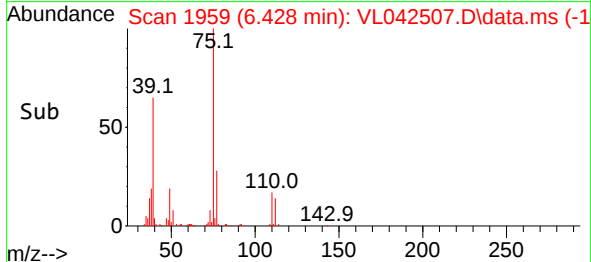
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC



Tgt Ion: 75 Resp: 58954  
 Ion Ratio Lower Upper  
 75 100  
 77 27.7 26.3 39.5

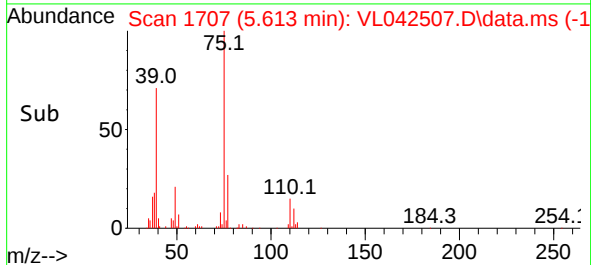
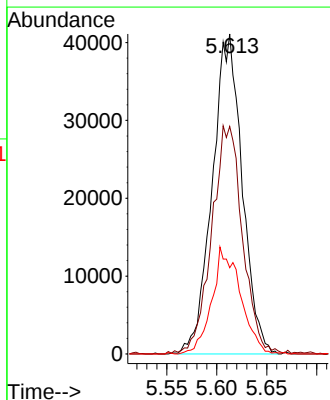
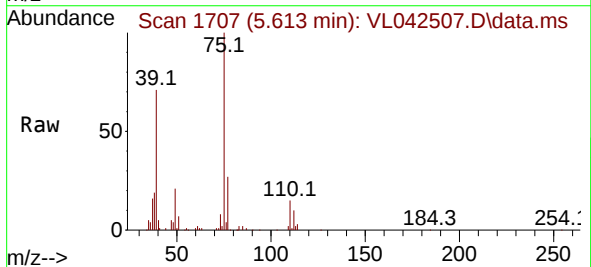
Manual Integrations  
 APPROVED

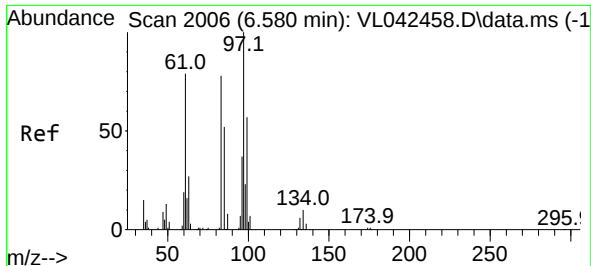
Reviewed By :Semsettin Yesilyurt 05/07/2025  
 Supervised By :Mahesh Dadoda 05/09/2025



#46  
 cis-1,3-Dichloropropene  
 Concen: 8.009 ppbv  
 RT: 5.613 min Scan# 1707  
 Delta R.T. 0.013 min  
 Lab File: VL042507.D  
 Acq: 06 May 2025 20:45

Tgt Ion: 75 Resp: 85745  
 Ion Ratio Lower Upper  
 75 100  
 39 70.5 55.7 83.5  
 77 26.9 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 10.251 ppbv

RT: 6.594 min Scan# 2006

Delta R.T. 0.013 min

Lab File: VL042507.D

Acq: 06 May 2025 20:45

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

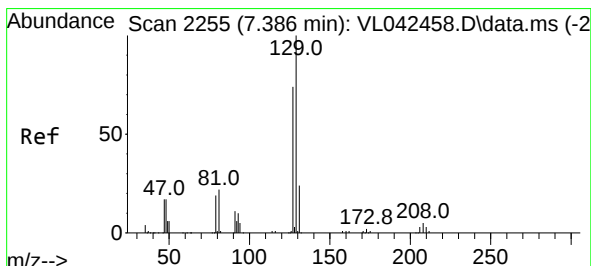
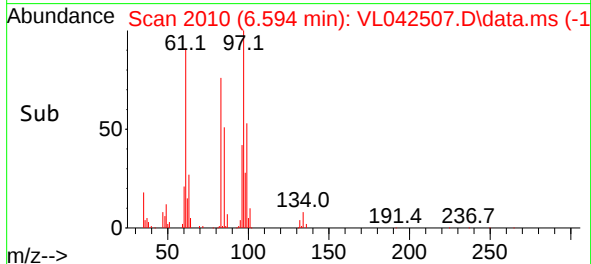
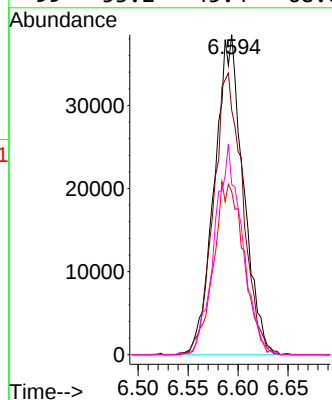
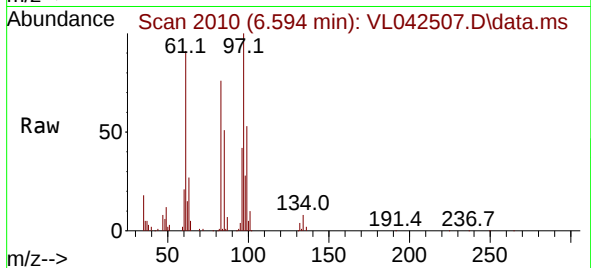
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 7743  |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 76.4     | 62.2 93.2   |
| 85 50.9     | 41.5 62.3   |
| 99 53.2     | 45.4 68.0   |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025

Supervised By :Mahesh Dadoda 05/09/2025



#48

Dibromochloromethane

Concen: 10.709 ppbv

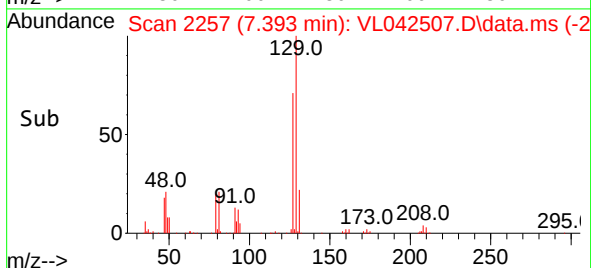
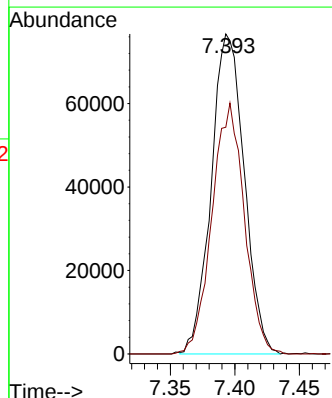
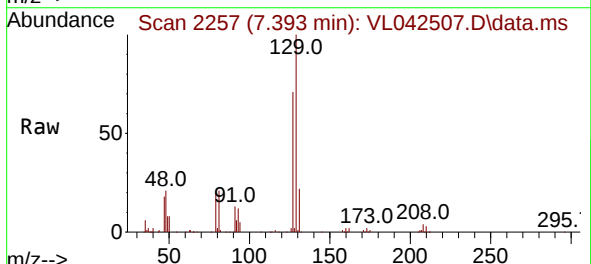
RT: 7.393 min Scan# 2257

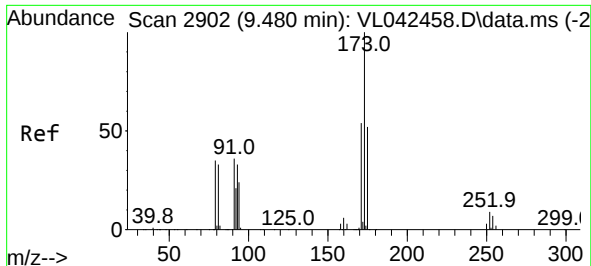
Delta R.T. 0.007 min

Lab File: VL042507.D

Acq: 06 May 2025 20:45

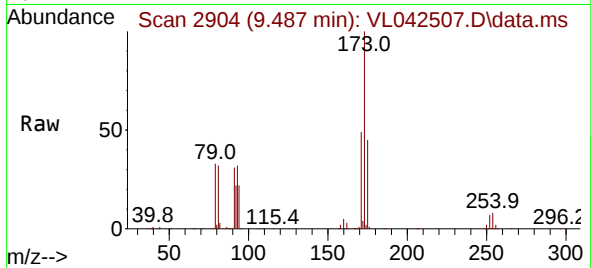
|             |              |
|-------------|--------------|
| Tgt Ion:129 | Resp: 136576 |
| Ion Ratio   | Lower Upper  |
| 129 100     |              |
| 127 76.8    | 39.5 118.5   |





#49  
Bromoform  
Concen: 10.733 ppbv  
RT: 9.487 min Scan# 2902  
Delta R.T. 0.007 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

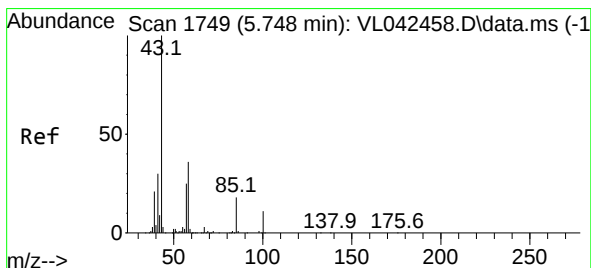
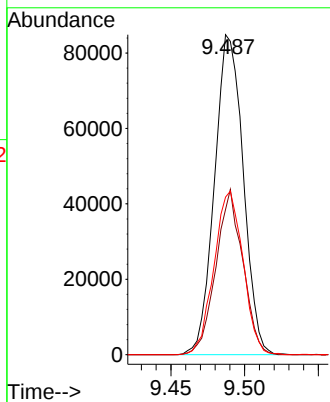
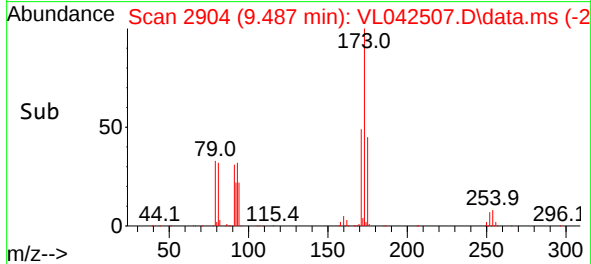
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 173 Resp: 114790  
Ion Ratio Lower Upper  
173 100  
175 48.4 38.9 58.3  
171 51.8 40.6 60.8

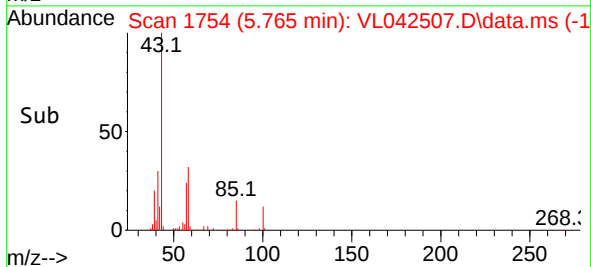
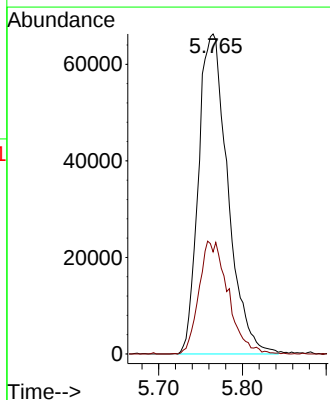
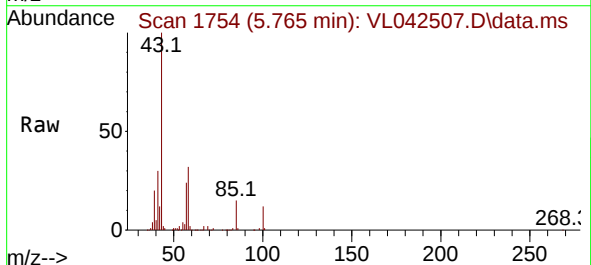
Manual Integrations  
APPROVED

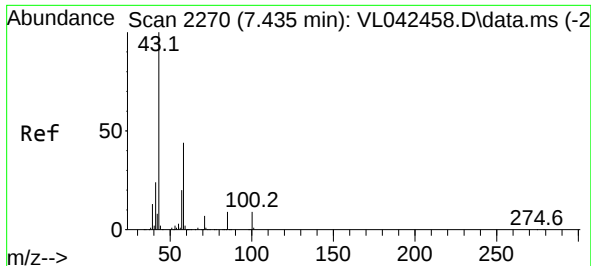
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#50  
4-Methyl-2-Pentanone  
Concen: 9.037 ppbv  
RT: 5.765 min Scan# 1754  
Delta R.T. 0.017 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

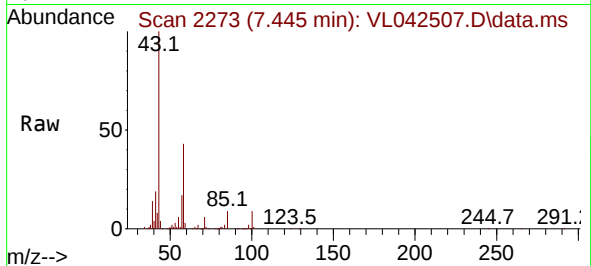
Tgt Ion: 43 Resp: 161206  
Ion Ratio Lower Upper  
43 100  
58 35.1 29.5 44.3





#51  
2-Hexanone  
Concen: 6.874 ppbv  
RT: 7.445 min Scan# 2110  
Delta R.T. 0.010 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

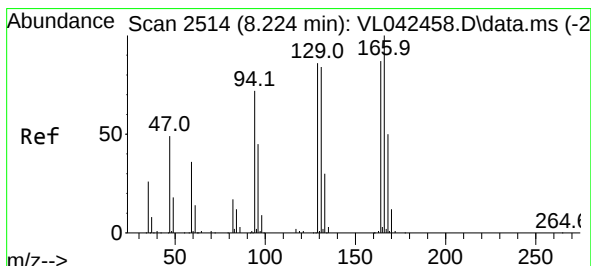
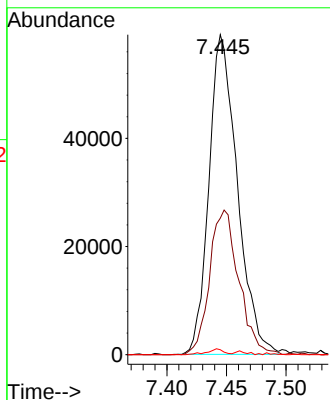
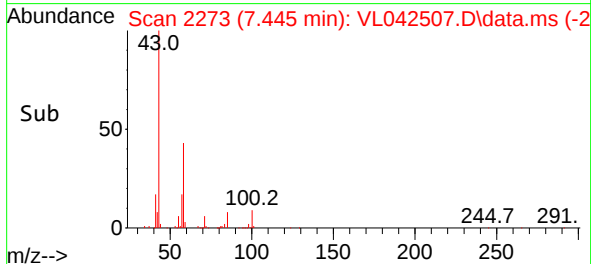
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



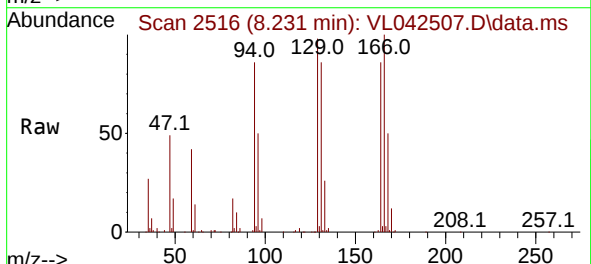
Tgt Ion: 43 Resp: 98030  
Ion Ratio Lower Upper  
43 100  
58 46.5 37.2 55.8  
98 1.7 0.4 0.6

Manual Integrations  
APPROVED

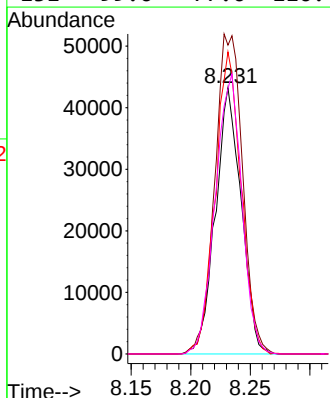
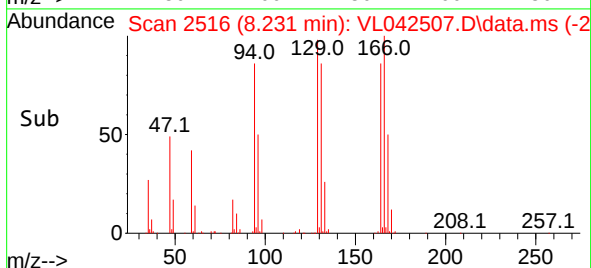
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

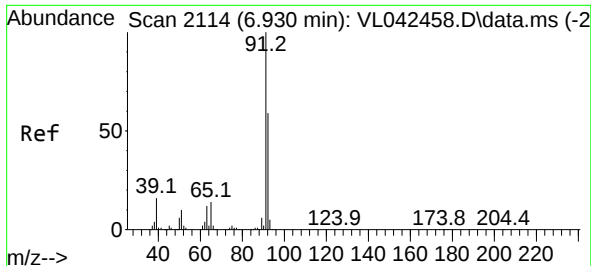


#52  
Tetrachloroethene  
Concen: 9.281 ppbv  
RT: 8.231 min Scan# 2516  
Delta R.T. 0.007 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45



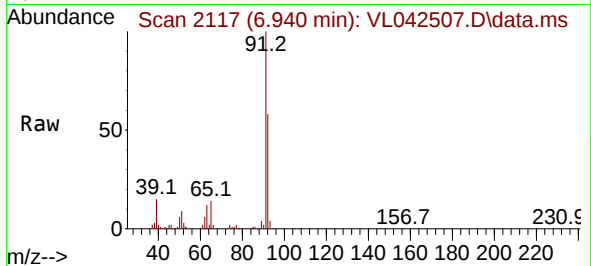
Tgt Ion:164 Resp: 65001  
Ion Ratio Lower Upper  
164 100  
166 115.9 91.6 137.4  
129 113.4 79.0 118.4  
131 99.6 77.6 116.4





#53  
Toluene  
Concen: 11.083 ppbv  
RT: 6.940 min Scan# 2114  
Delta R.T. 0.010 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

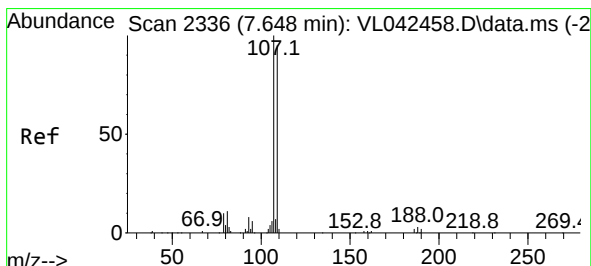
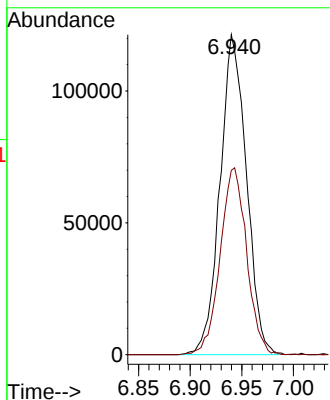
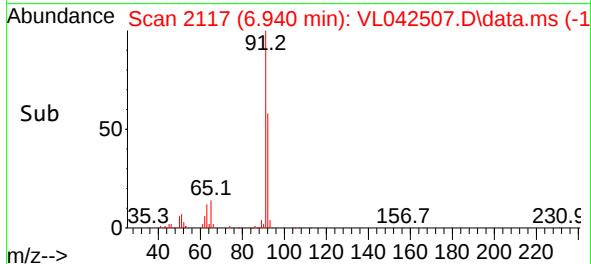
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



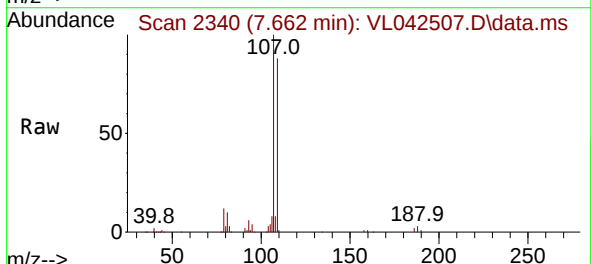
Tgt Ion: 91 Resp: 215839  
Ion Ratio Lower Upper  
91 100  
92 58.7 47.9 71.9

Manual Integrations  
APPROVED

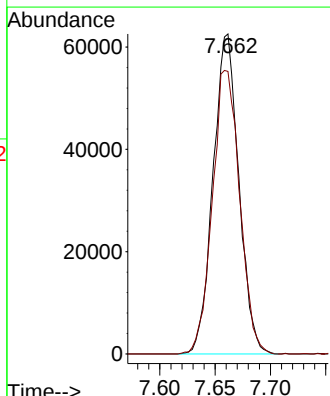
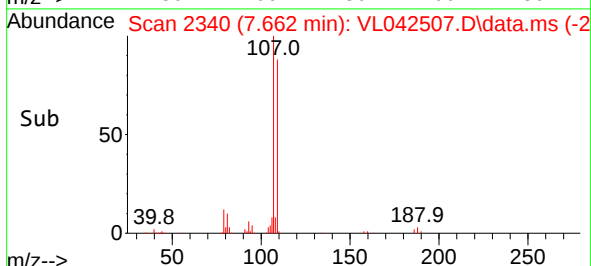
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

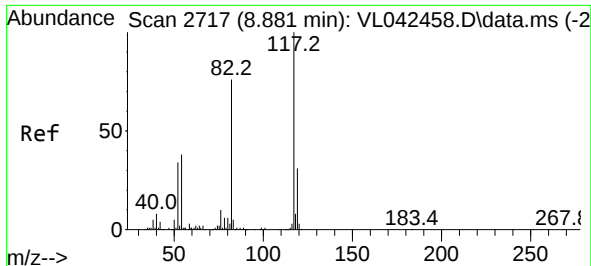


#54  
1,2-Dibromoethane  
Concen: 8.762 ppbv  
RT: 7.662 min Scan# 2340  
Delta R.T. 0.013 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45



Tgt Ion:107 Resp: 101197  
Ion Ratio Lower Upper  
107 100  
109 88.3 76.0 114.0





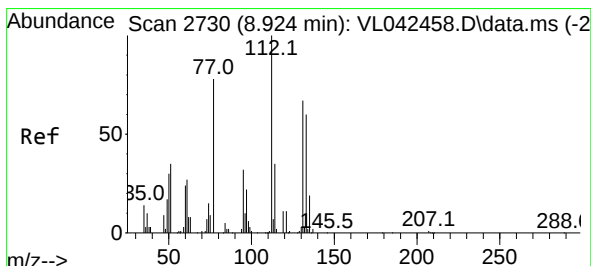
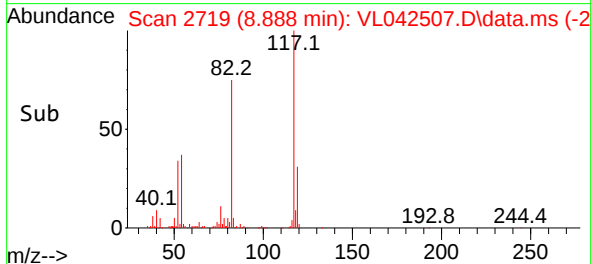
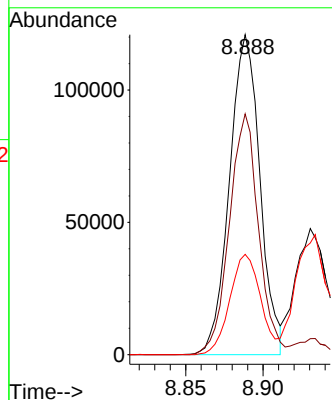
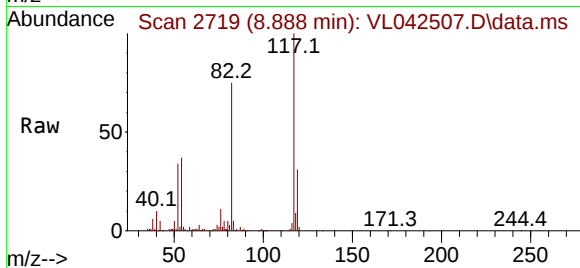
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.888 min Scan# 2719  
Delta R.T. 0.007 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion:117 Resp: 165562  
Ion Ratio Lower Upper  
117 100  
82 77.2 63.5 95.3  
119 31.5 25.8 38.8

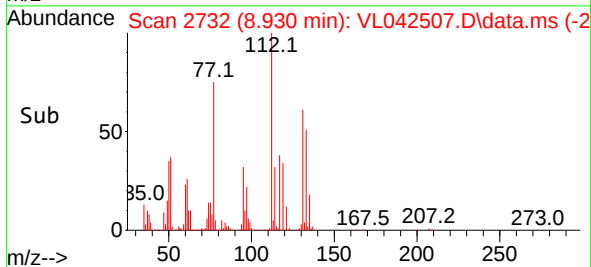
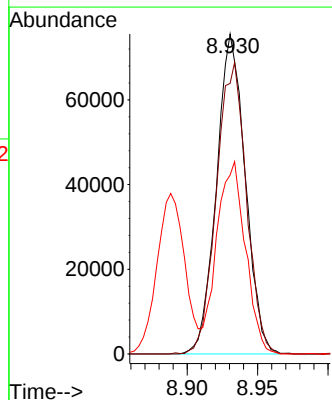
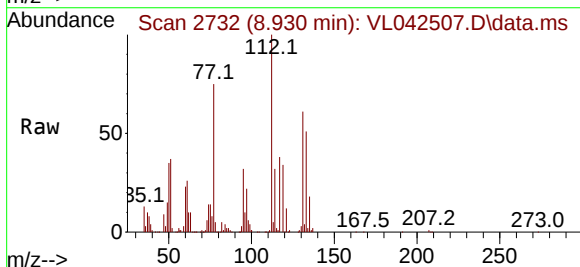
Manual Integrations  
APPROVED

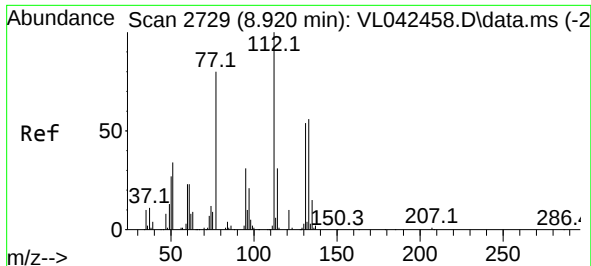
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#56  
1,1,1,2-Tetrachloroethane  
Concen: 10.982 ppbv  
RT: 8.930 min Scan# 2732  
Delta R.T. 0.007 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

Tgt Ion:131 Resp: 107385  
Ion Ratio Lower Upper  
131 100  
133 94.8 76.0 114.0  
119 61.7 46.1 69.1





#57

Chlorobenzene

Concen: 10.985 ppbv

RT: 8.930 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL042507.D

Acq: 06 May 2025 20:45

Instrument :

MSVOA\_L

ClientSampleId :

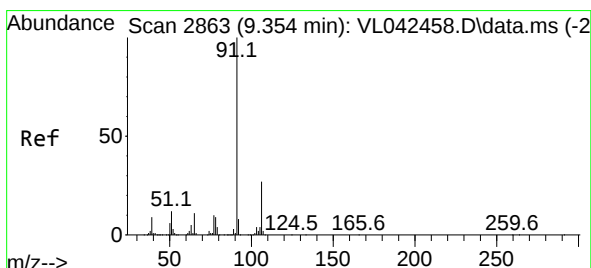
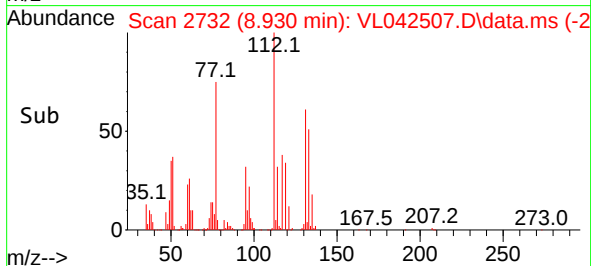
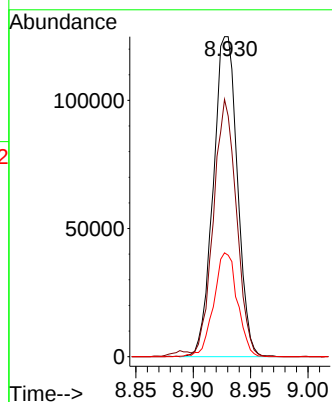
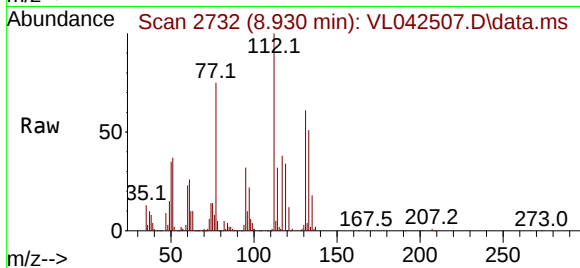
VSTDCCC010EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 112   | Resp: | 182744 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 77        | 75.1  | 65.0  | 97.4   |
| 114       | 31.7  | 27.5  | 33.7   |

### Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#58

Ethyl Benzene

Concen: 11.834 ppbv

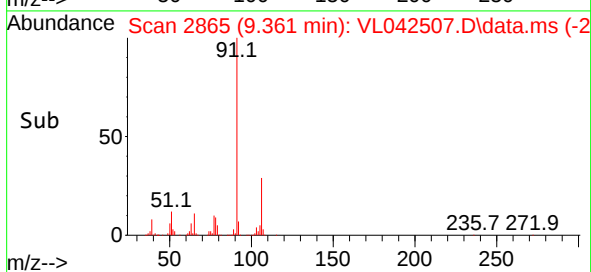
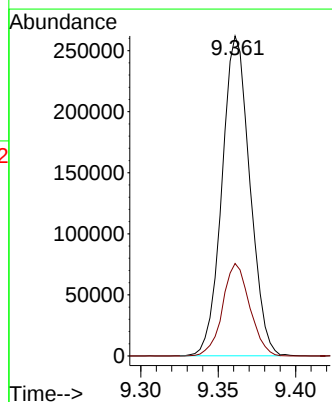
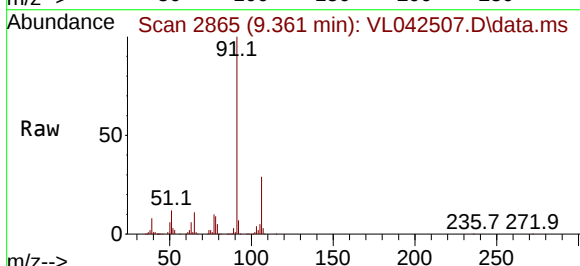
RT: 9.361 min Scan# 2865

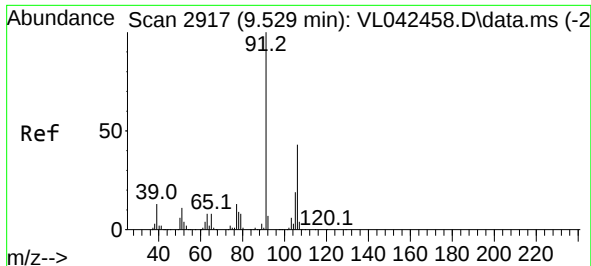
Delta R.T. 0.007 min

Lab File: VL042507.D

Acq: 06 May 2025 20:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 327425 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 106       | 28.9  | 21.9  | 32.9   |





#59

m/p-Xylene

Concen: 24.880 ppbv m

RT: 9.558 min Scan# 2917

Delta R.T. 0.030 min

Lab File: VL042507.D

Acq: 06 May 2025 20:45

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 57710

Ion Ratio Lower Upper

91 100

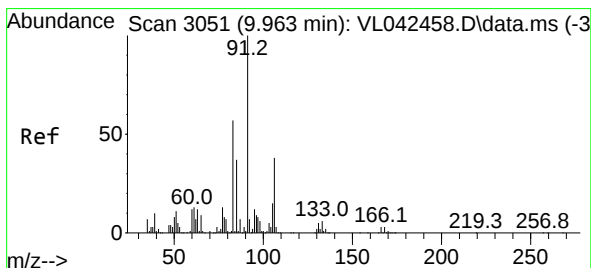
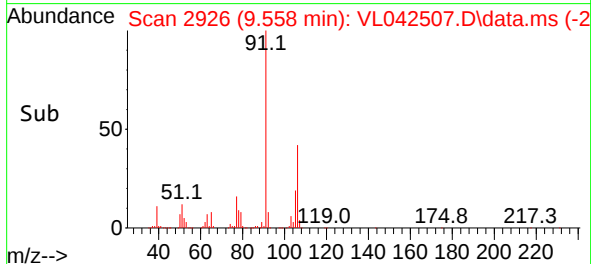
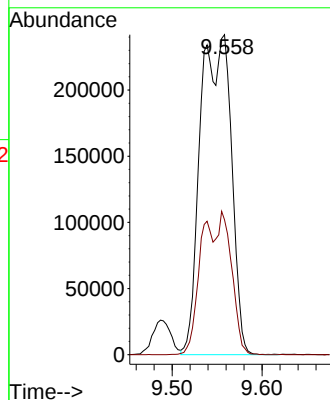
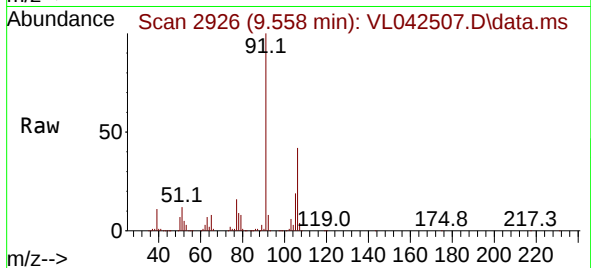
106 0.0 34.2 51.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025

Supervised By :Mahesh Dadoda 05/09/2025



#60

o-Xylene

Concen: 12.692 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.007 min

Lab File: VL042507.D

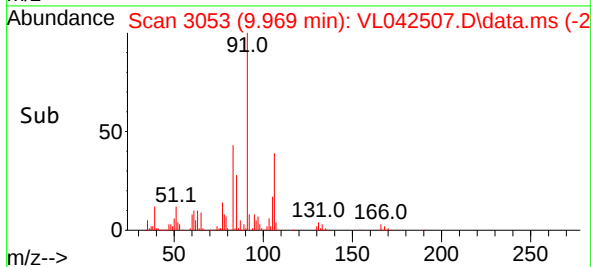
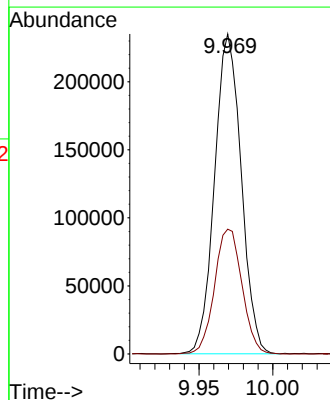
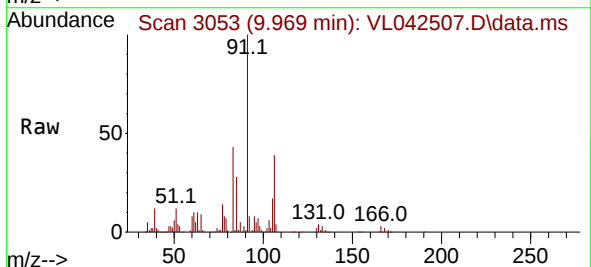
Acq: 06 May 2025 20:45

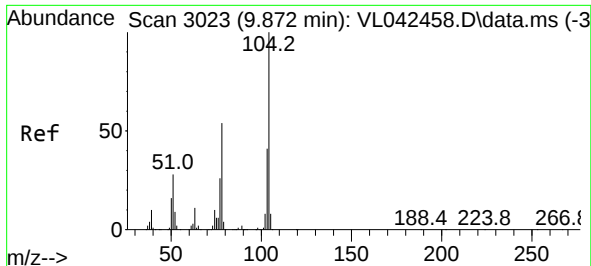
Tgt Ion: 91 Resp: 294752

Ion Ratio Lower Upper

91 100

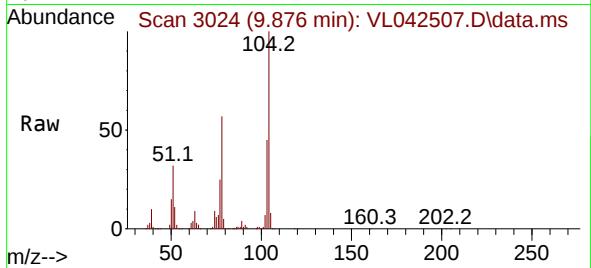
106 40.3 20.1 60.2





#61  
Styrene  
Concen: 11.372 ppbv  
RT: 9.876 min Scan# 3023  
Delta R.T. 0.004 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

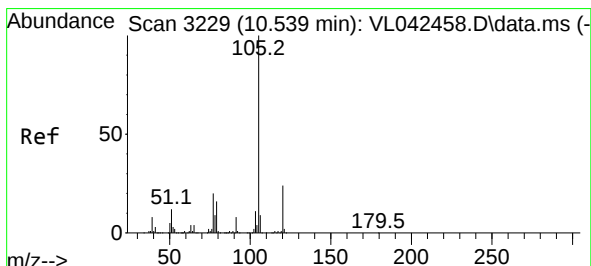
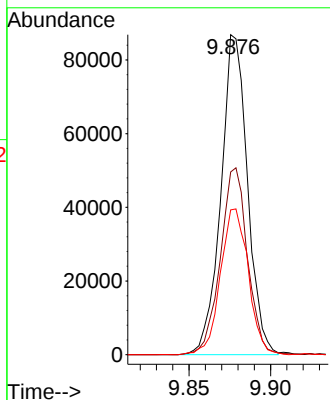
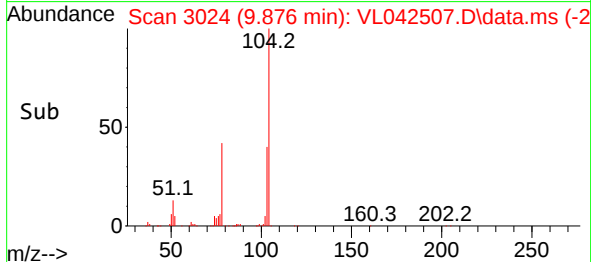
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion:104 Resp: 9855  
Ion Ratio Lower Upper  
104 100  
78 59.8 46.9 70.3  
103 48.0 36.6 55.0

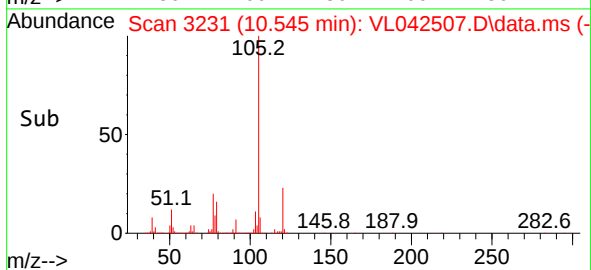
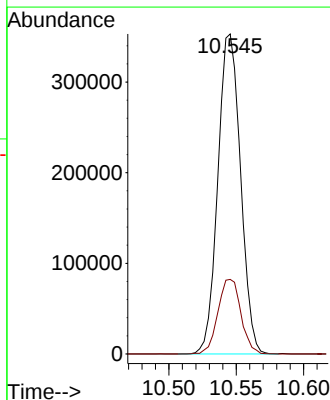
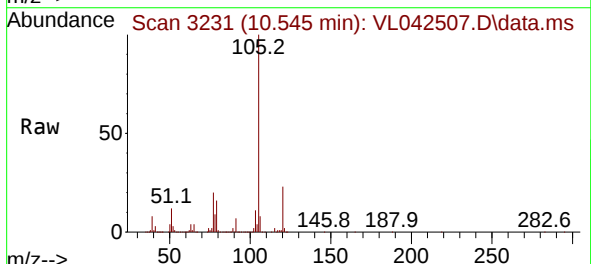
Manual Integrations  
APPROVED

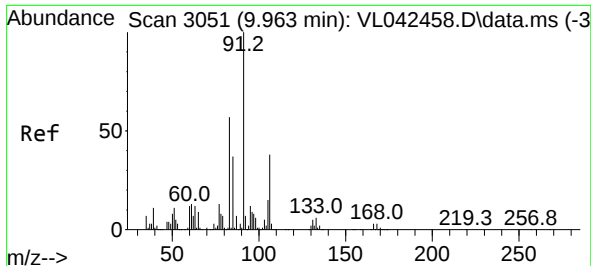
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#62  
Isopropylbenzene  
Concen: 12.345 ppbv  
RT: 10.545 min Scan# 3231  
Delta R.T. 0.007 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

Tgt Ion:105 Resp: 413558  
Ion Ratio Lower Upper  
105 100  
120 23.6 18.8 28.2





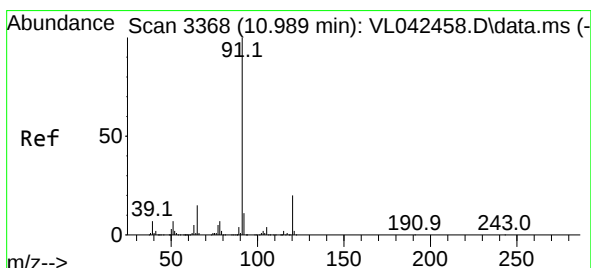
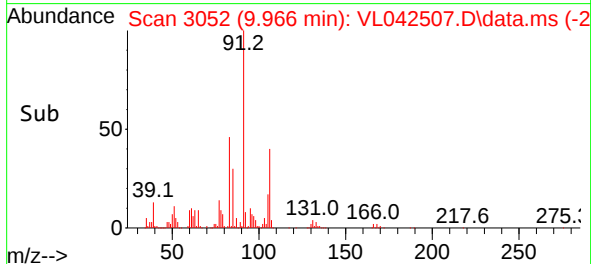
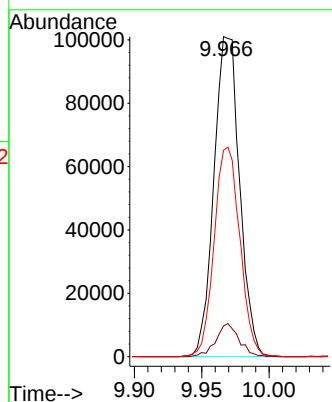
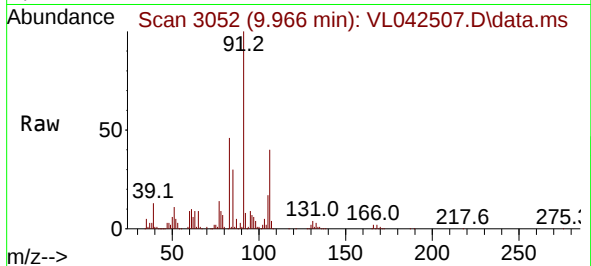
#63  
1,1,2,2-Tetrachloroethane  
Concen: 8.389 ppbv  
RT: 9.966 min Scan# 3051  
Delta R.T. 0.004 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 83 Resp: 13432  
Ion Ratio Lower Upper  
83 100  
131 9.3 4.7 14.1  
85 65.3 32.5 97.4

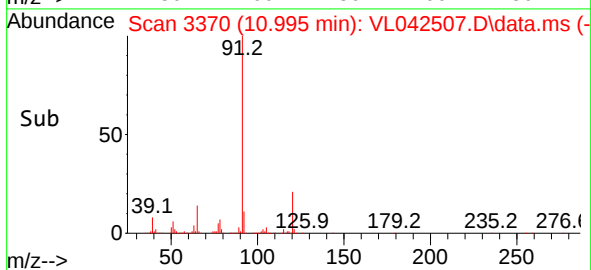
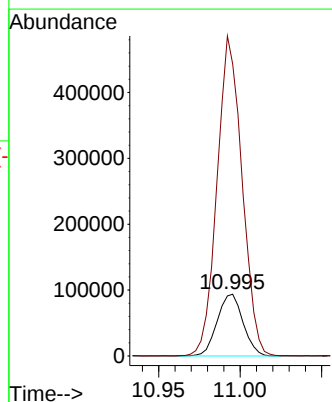
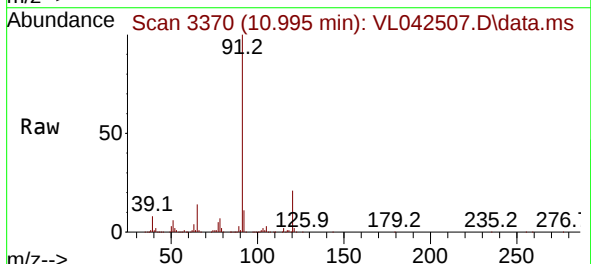
Manual Integrations  
APPROVED

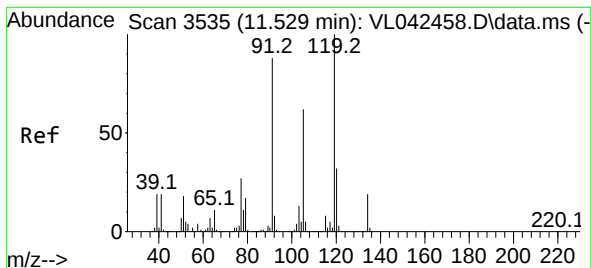
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#64  
n-propylbenzene  
Concen: 12.593 ppbv  
RT: 10.995 min Scan# 3370  
Delta R.T. 0.007 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

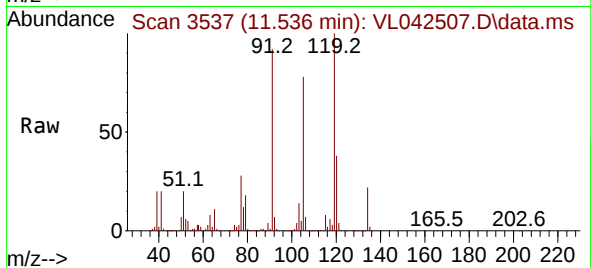
Tgt Ion:120 Resp: 103102  
Ion Ratio Lower Upper  
120 100  
91 503.9 408.6 612.8





#65  
tert-Butylbenzene  
Concen: 12.553 ppbv  
RT: 11.536 min Scan# 3537  
Delta R.T. 0.007 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

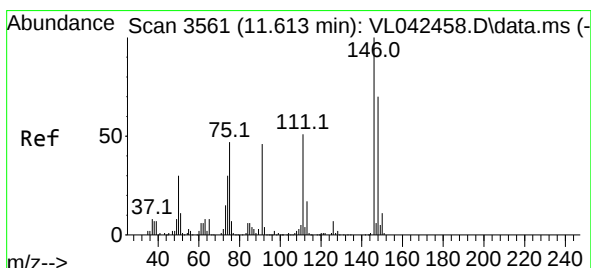
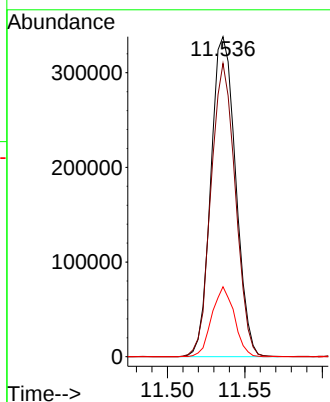
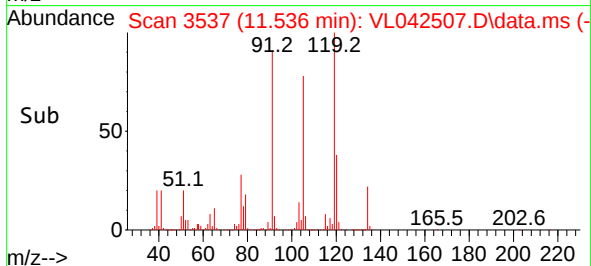
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



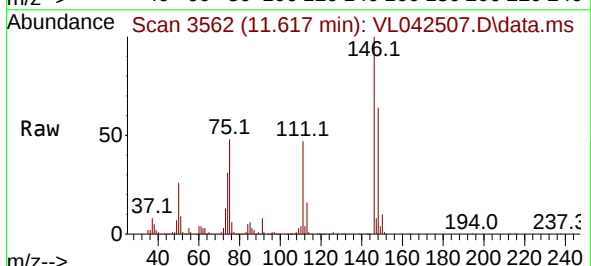
Tgt Ion: 119 Resp: 375280  
Ion Ratio Lower Upper  
119 100  
91 90.2 71.6 107.4  
134 19.9 15.0 22.4

Manual Integrations  
APPROVED

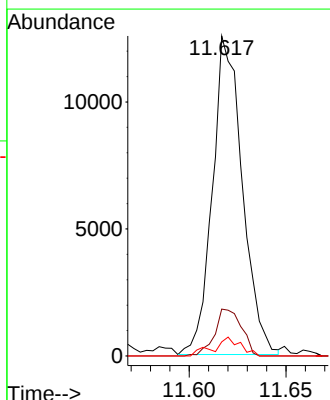
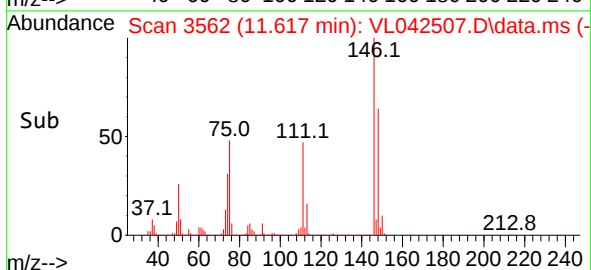
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

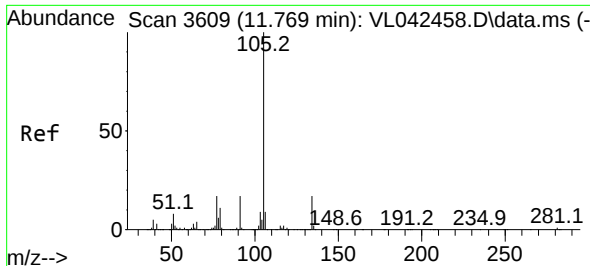


#66  
Benzyl Chloride  
Concen: 3.896 ppbv  
RT: 11.617 min Scan# 3562  
Delta R.T. 0.004 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45



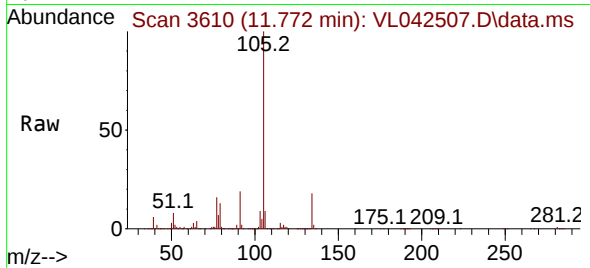
Tgt Ion: 91 Resp: 13460  
Ion Ratio Lower Upper  
91 100  
126 13.2 13.3 19.9#  
128 5.2 4.2 6.4





#67  
 sec-Butylbenzene  
 Concen: 12.743 ppbv  
 RT: 11.772 min Scan# 3610  
 Delta R.T. 0.004 min  
 Lab File: VL042507.D  
 Acq: 06 May 2025 20:45

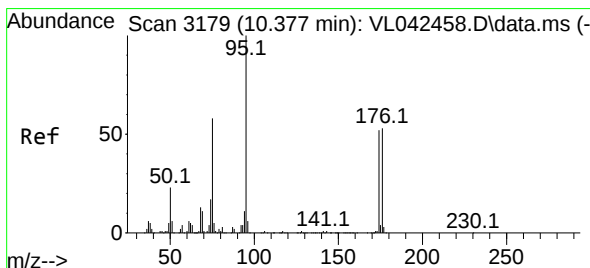
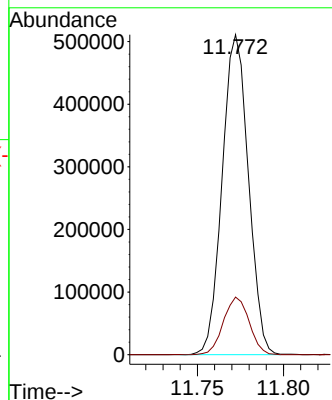
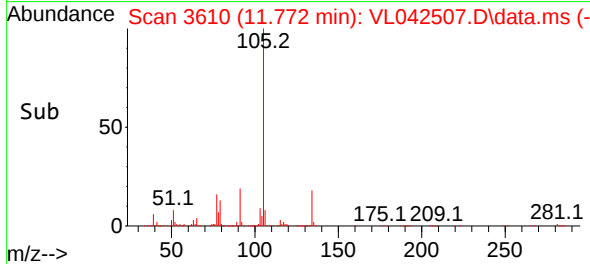
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC



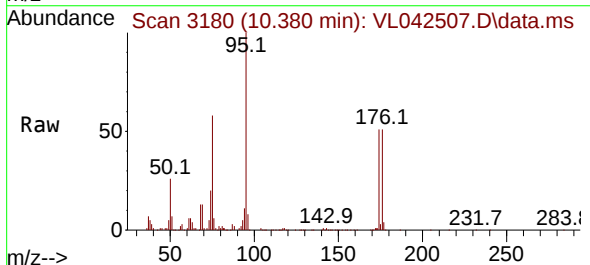
Tgt Ion:105 Resp: 541364  
 Ion Ratio Lower Upper  
 105 100  
 134 17.7 14.1 21.1

Manual Integrations  
 APPROVED

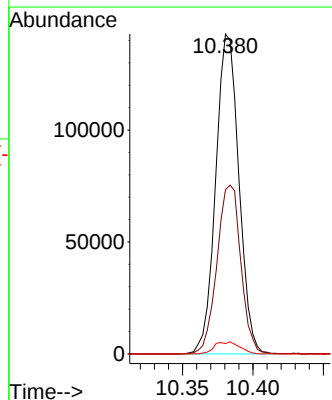
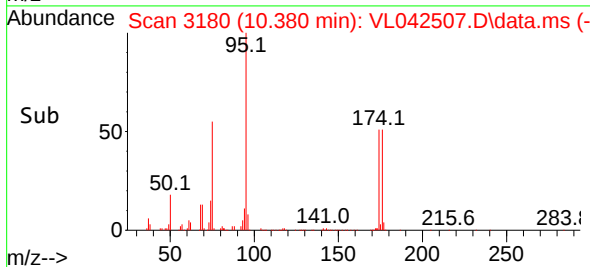
Reviewed By :Semsettin Yesilyurt 05/07/2025  
 Supervised By :Mahesh Dadoda 05/09/2025

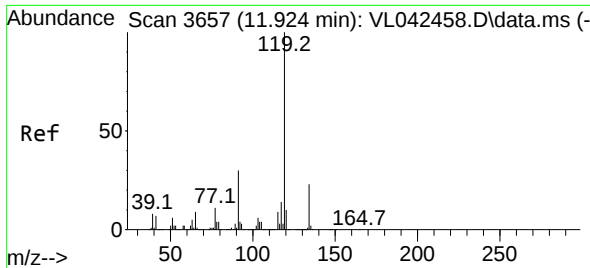


#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.657 ppbv  
 RT: 10.380 min Scan# 3180  
 Delta R.T. 0.004 min  
 Lab File: VL042507.D  
 Acq: 06 May 2025 20:45



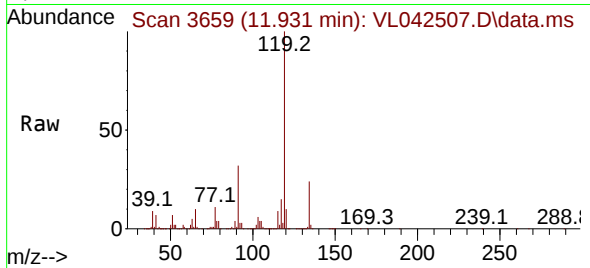
Tgt Ion: 95 Resp: 163586  
 Ion Ratio Lower Upper  
 95 100  
 174 54.5 42.7 64.1  
 175 4.2 3.6 5.4





#69  
p-Isopropyltoluene  
Concen: 12.959 ppbv  
RT: 11.931 min Scan# 3659  
Delta R.T. 0.007 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

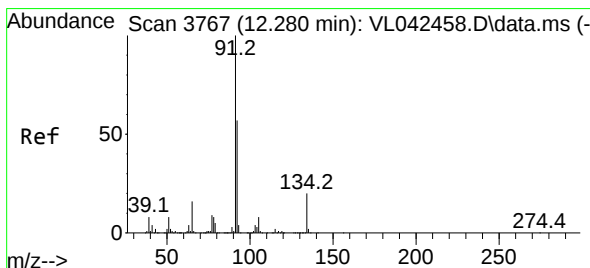
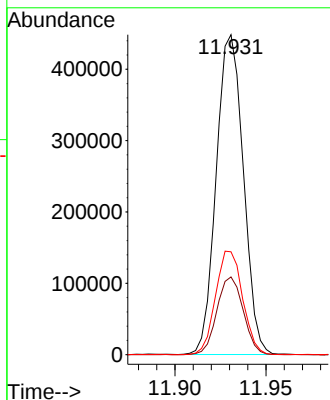
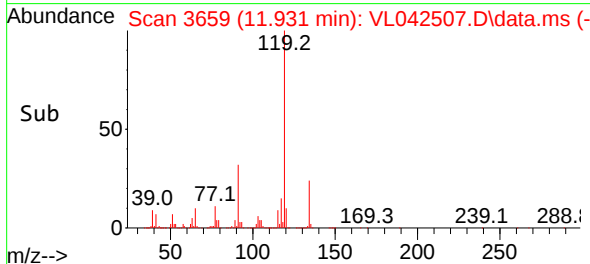
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



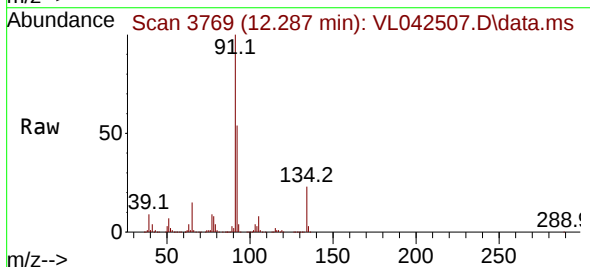
Tgt Ion: 119 Resp: 46385  
Ion Ratio Lower Upper  
119 100  
134 23.6 19.0 28.4  
91 32.5 25.5 38.3

Manual Integrations  
APPROVED

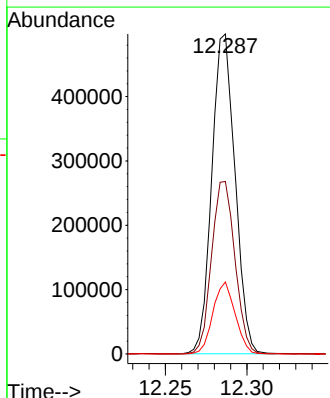
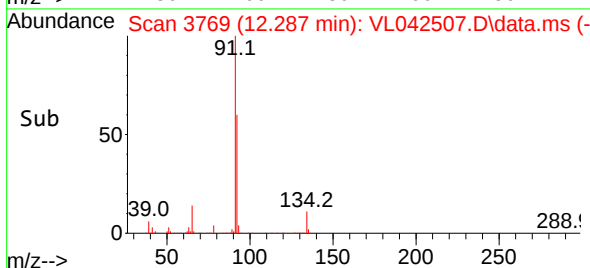
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

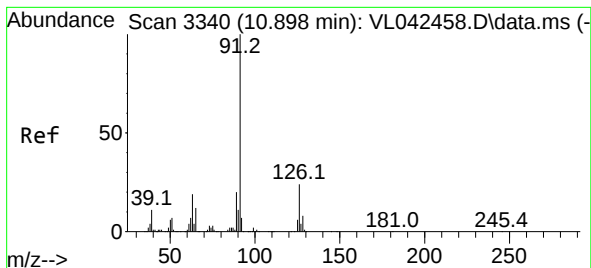


#70  
n-Butylbenzene  
Concen: 13.319 ppbv  
RT: 12.287 min Scan# 3769  
Delta R.T. 0.007 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45



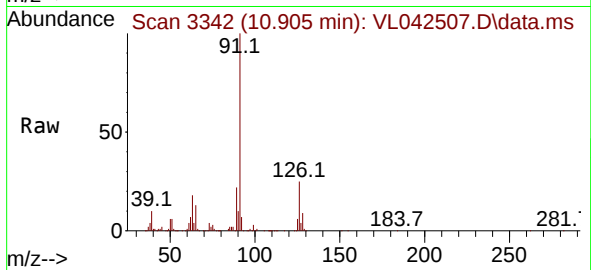
Tgt Ion: 91 Resp: 492839  
Ion Ratio Lower Upper  
91 100  
92 54.4 44.0 66.0  
134 21.6 16.8 25.2





#71  
2-Chlorotoluene  
Concen: 12.487 ppbv  
RT: 10.905 min Scan# 31  
Delta R.T. 0.007 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

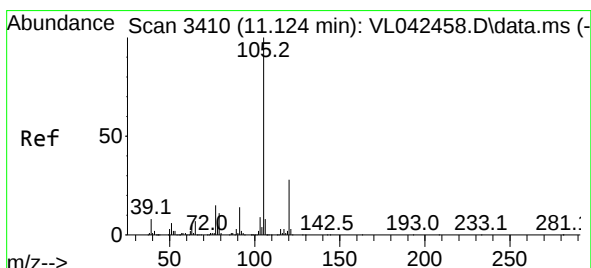
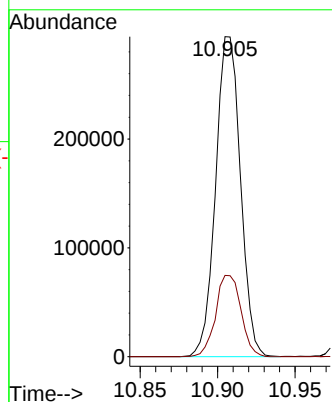
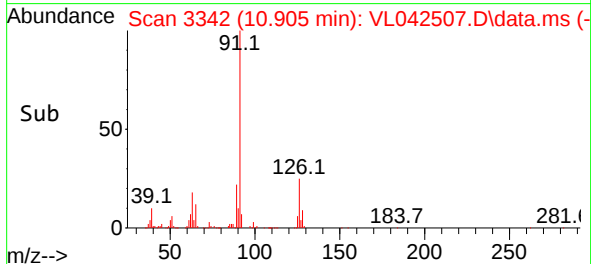
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



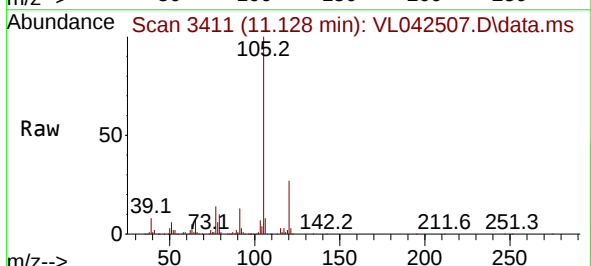
Tgt Ion: 91 Resp: 328104  
Ion Ratio Lower Upper  
91 100  
126 25.9 10.6 42.2

Manual Integrations  
APPROVED

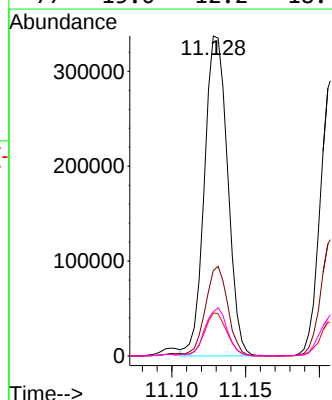
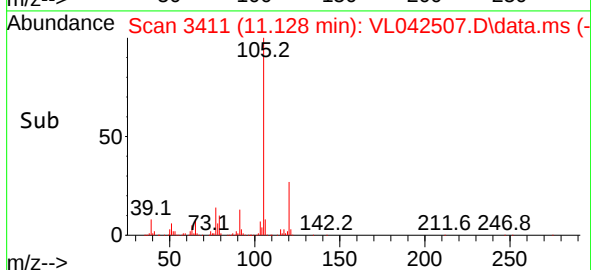
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

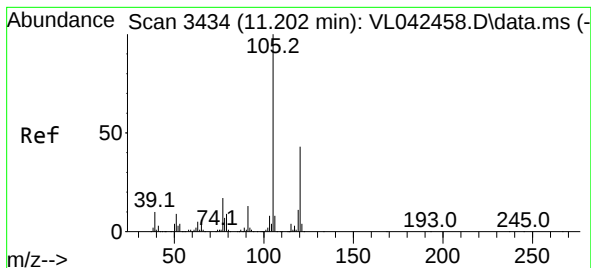


#72  
4-Ethyltoluene  
Concen: 13.514 ppbv  
RT: 11.128 min Scan# 3411  
Delta R.T. 0.004 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45



Tgt Ion:105 Resp: 370034  
Ion Ratio Lower Upper  
105 100  
120 27.6 22.0 33.0  
91 13.7 11.2 16.8  
77 15.0 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 13.197 ppbv

RT: 11.209 min Scan# 3434

Delta R.T. 0.007 min

Lab File: VL042507.D

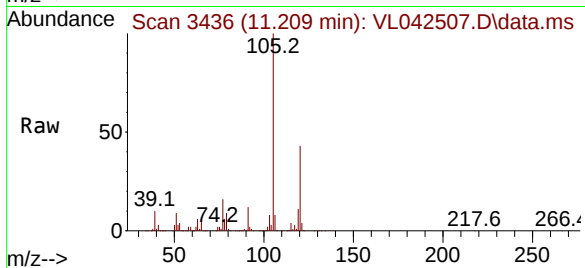
Acq: 06 May 2025 20:45

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion:105 Resp: 31781

Ion Ratio Lower Upper

105 100

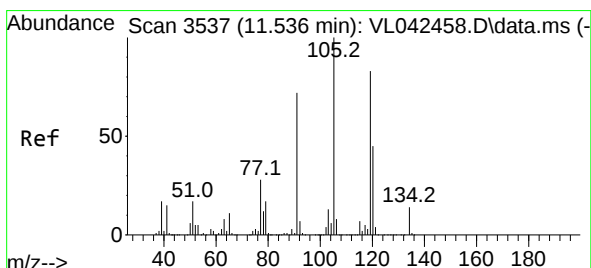
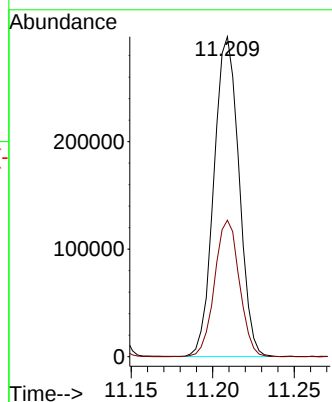
120 42.7 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025

Supervised By :Mahesh Dadoda 05/09/2025



#74

1,2,4-Trimethylbenzene

Concen: 12.515 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.007 min

Lab File: VL042507.D

Acq: 06 May 2025 20:45

Tgt Ion:105 Resp: 364646

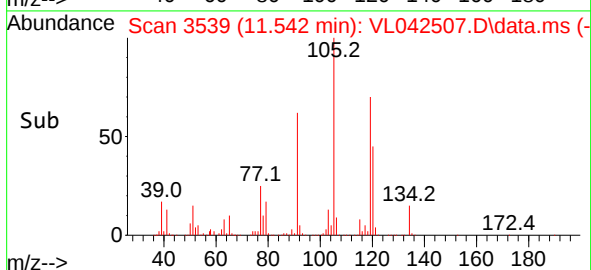
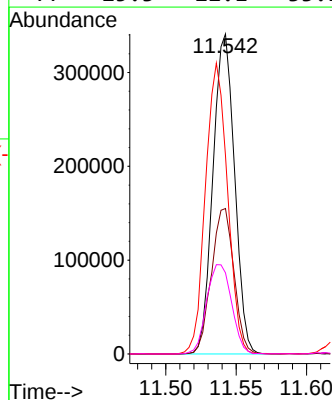
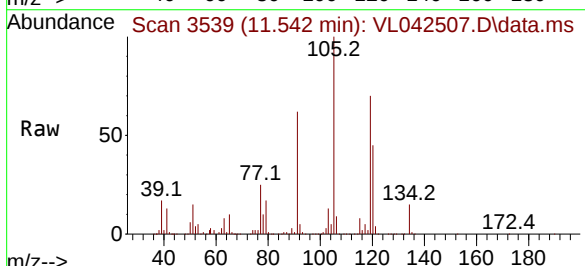
Ion Ratio Lower Upper

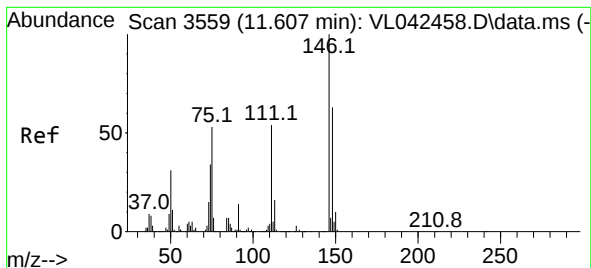
105 100

120 45.5 36.1 54.1

91 62.0 57.6 86.4

77 25.3 22.1 33.1





#75

1,3-Dichlorobenzene

Concen: 12.667 ppbv

RT: 11.610 min Scan# 3559

Delta R.T. 0.004 min

Lab File: VL042507.D

Acq: 06 May 2025 20:45

Instrument :

MSVOA\_L

ClientSampleId :

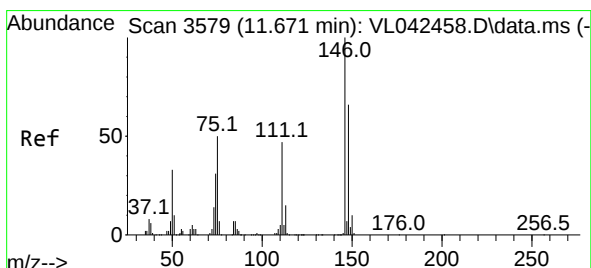
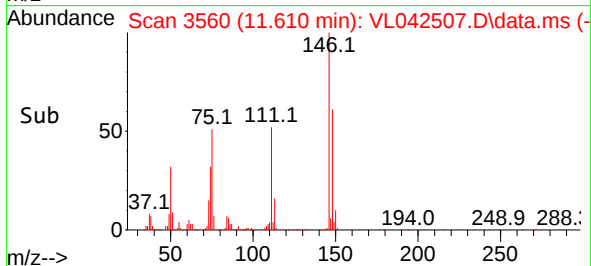
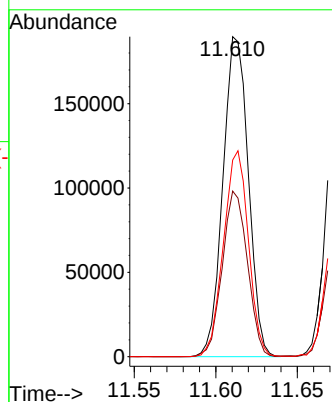
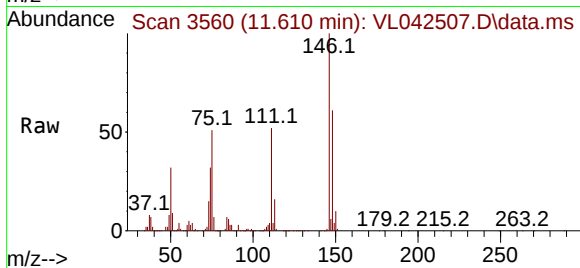
VSTDCCC010EC

Tgt Ion:146 Resp: 205478  
 Ion Ratio Lower Upper  
 146 100  
 111 51.3 26.1 78.3  
 148 63.2 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025  
 Supervised By :Mahesh Dadoda 05/09/2025



#76

1,4-Dichlorobenzene

Concen: 13.197 ppbv

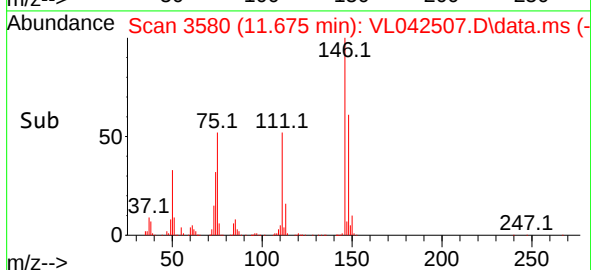
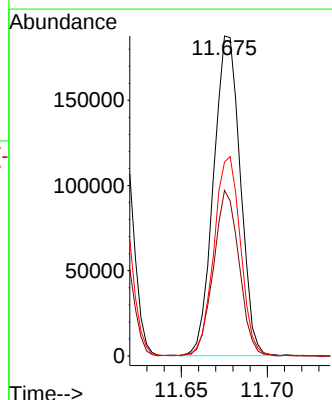
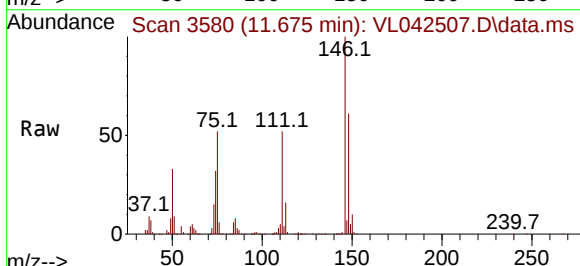
RT: 11.675 min Scan# 3580

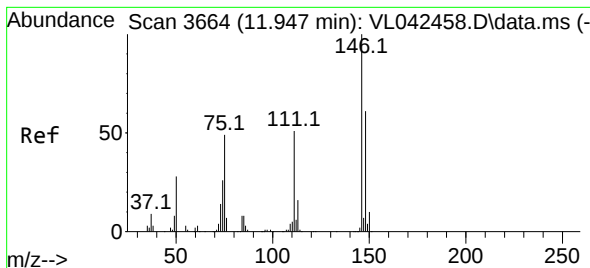
Delta R.T. 0.004 min

Lab File: VL042507.D

Acq: 06 May 2025 20:45

Tgt Ion:146 Resp: 202578  
 Ion Ratio Lower Upper  
 146 100  
 111 49.9 24.4 73.2  
 148 62.1 32.0 96.2





#77

1,2-Dichlorobenzene

Concen: 12.828 ppbv

RT: 11.953 min Scan# 30

Delta R.T. 0.007 min

Lab File: VL042507.D

Acq: 06 May 2025 20:45

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:146 Resp: 203670

Ion Ratio Lower Upper

146 100

111 51.7 26.5 79.5

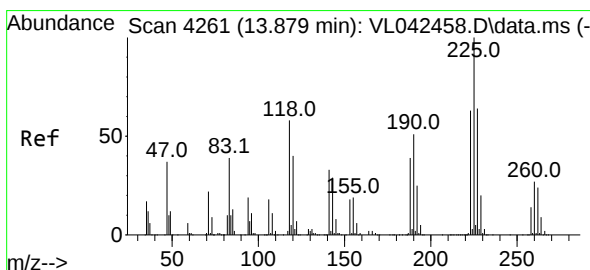
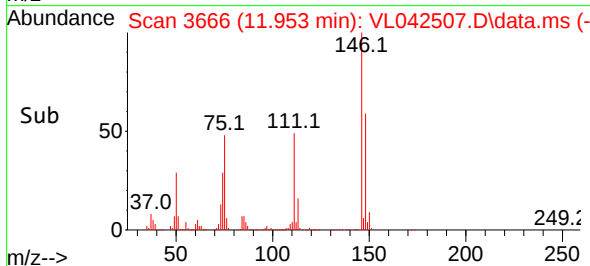
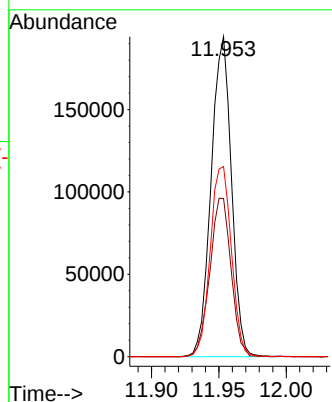
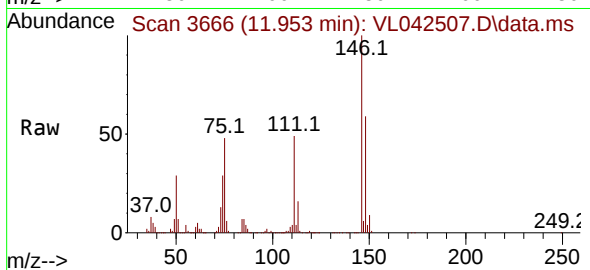
148 62.1 31.5 94.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025

Supervised By :Mahesh Dadoda 05/09/2025



#78

Hexachloro-1,3-Butadiene

Concen: 12.423 ppbv

RT: 13.886 min Scan# 4263

Delta R.T. 0.007 min

Lab File: VL042507.D

Acq: 06 May 2025 20:45

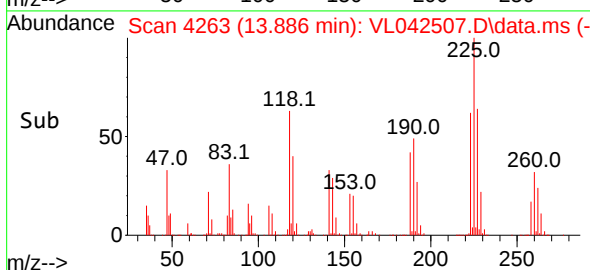
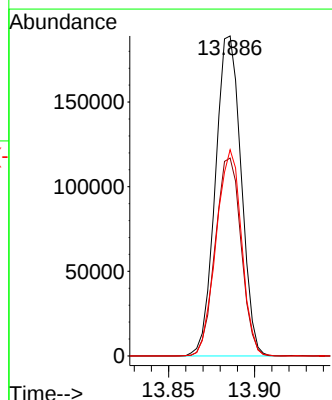
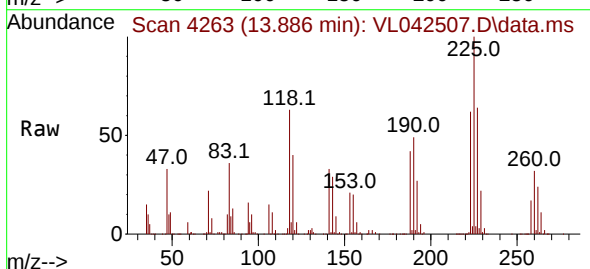
Tgt Ion:225 Resp: 196969

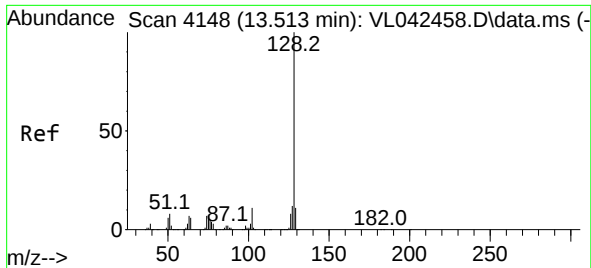
Ion Ratio Lower Upper

225 100

223 62.2 50.2 75.4

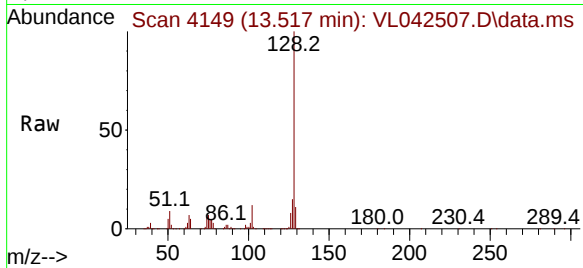
227 63.5 51.2 76.8





#79  
Naphthalene  
Concen: 16.388 ppbv  
RT: 13.517 min Scan# 4149  
Delta R.T. 0.004 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45

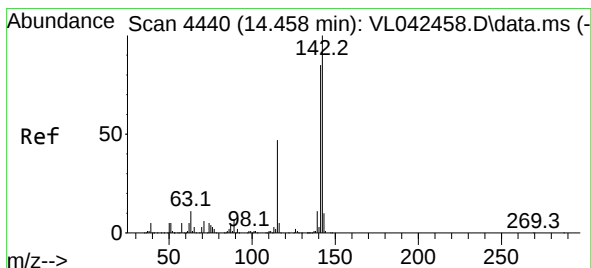
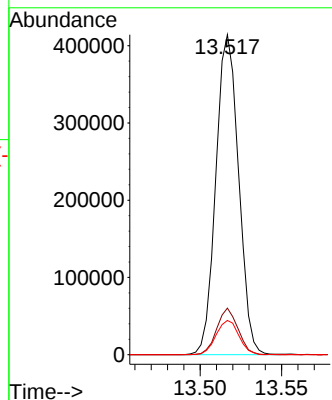
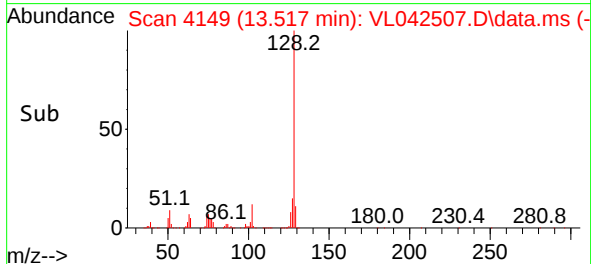
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



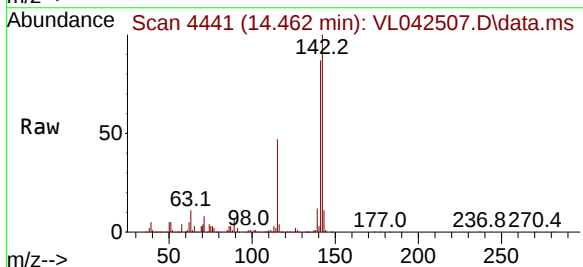
Tgt Ion:128 Resp: 401963  
Ion Ratio Lower Upper  
128 100  
127 14.6 9.7 14.5  
129 10.7 8.6 13.0

Manual Integrations  
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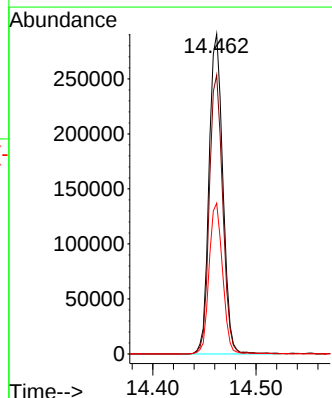
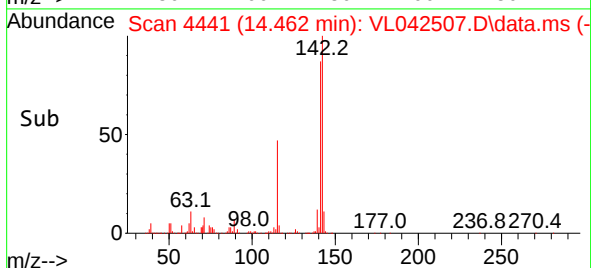
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

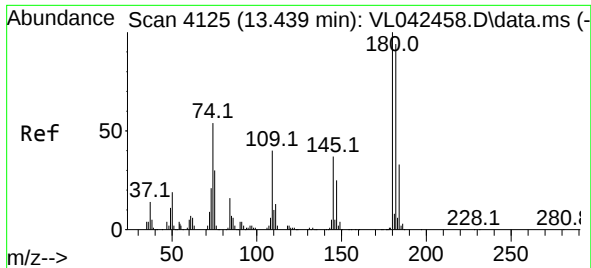


#80  
Naphthalene,2-methyl-  
Concen: 14.717 ppbv  
RT: 14.462 min Scan# 4441  
Delta R.T. 0.004 min  
Lab File: VL042507.D  
Acq: 06 May 2025 20:45



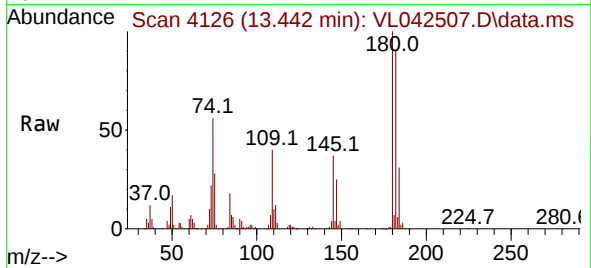
Tgt Ion:142 Resp: 268295  
Ion Ratio Lower Upper  
142 100  
141 85.5 67.4 101.0  
115 46.4 36.9 55.3





#81  
 1,2,4-Trichlorobenzene  
 Concen: 14.902 ppbv  
 RT: 13.442 min Scan# 41  
 Delta R.T. 0.004 min  
 Lab File: VL042507.D  
 Acq: 06 May 2025 20:45

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC



Tgt Ion:180 Resp: 194940  
 Ion Ratio Lower Upper  
 180 100  
 182 96.5 74.6 111.8  
 184 30.9 24.9 37.3

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025  
 Supervised By :Mahesh Dadoda 05/09/2025

