

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL090825\  
 Data File : VL042902.D  
 Acq On : 08 Sep 2025 13:35  
 Operator : SY/MD  
 Sample : VL0908ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0908ABS01

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/09/2025  
 Supervised By : Mahesh Dadoda 09/11/2025

Quant Time: Sep 09 00:55:51 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M

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

QLast Update : Tue Sep 09 00:52:26 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.781 | 49   | 139945   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.946 | 114  | 365857   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.872 | 117  | 306385   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.367 95 240840 10.481 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.800%

Target Compounds

|                               |       |     |        |        |        | Qvalue |
|-------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.492 | 85  | 220085 | 10.731 | ppbv   | 99     |
| 3) Chlorodifluoromethane      | 1.470 | 51  | 263595 | 11.627 | ppbv   | 98     |
| 4) Chloromethane              | 1.528 | 50  | 84783  | 10.244 | ppbv   | 99     |
| 5) Vinyl Chloride             | 1.577 | 62  | 78545  | 9.636  | ppbv   | 99     |
| 6) Bromomethane               | 1.664 | 94  | 31405  | 9.636  | ppbv   | 96     |
| 7) Chloroethane               | 1.700 | 64  | 30810  | 9.679  | ppbv   | 94     |
| 8) Dichlorotetrafluoroethane  | 1.551 | 85  | 175617 | 10.464 | ppbv   | 96     |
| 9) Propene                    | 1.476 | 41  | 56496m | 5.770  | ppbv   |        |
| 10) Heptane                   | 4.965 | 43  | 256593 | 9.785  | ppbv   | 99     |
| 11) Trichlorofluoromethane    | 1.871 | 101 | 206104 | 10.185 | ppbv   | 98     |
| 12) 1,1,2-Trichlorotrifluo... | 2.133 | 101 | 164464 | 10.197 | ppbv   | 96     |
| 13) Ethanol                   | 1.716 | 45  | 7225   | 8.071  | ppbv   | 92     |
| 14) Bromoethene               | 1.777 | 108 | 58442  | 10.009 | ppbv   | 99     |
| 15) Acetone                   | 1.829 | 43  | 156147 | 8.435  | ppbv   | 99     |
| 16) 1,3-Butadiene             | 1.606 | 39  | 77632  | 9.250  | ppbv   | 97     |
| 17) tert-Butyl alcohol        | 2.036 | 59  | 176056 | 8.020  | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 2.026 | 96  | 68830  | 9.707  | ppbv   | 97     |
| 19) Isopropyl Alcohol         | 1.881 | 45  | 97198  | 8.791  | ppbv   | 93     |
| 20) Methylene Chloride        | 2.056 | 84  | 62334  | 8.038  | ppbv   | 93     |
| 21) Allyl Chloride            | 2.091 | 41  | 125191 | 9.573  | ppbv   | 94     |
| 22) trans-1,2-Dichloroethene  | 2.334 | 96  | 82077  | 10.005 | ppbv   | 98     |
| 23) Vinyl Acetate             | 2.454 | 43  | 270676 | 10.634 | ppbv # | 99     |
| 24) 1,1-Dichloroethane        | 2.402 | 63  | 164910 | 10.066 | ppbv   | 99     |
| 25) Ethyl Acetate             | 2.826 | 43  | 458640 | 10.237 | ppbv   | 99     |
| 26) Hexane                    | 2.816 | 57  | 207705 | 10.043 | ppbv   | 95     |
| 27) Carbon Disulfide          | 2.143 | 76  | 206751 | 10.273 | ppbv   | 98     |
| 28) Methyl tert-Butyl Ether   | 2.431 | 73  | 95768  | 9.082  | ppbv   | 93     |
| 29) Chloroform                | 2.839 | 83  | 311859 | 10.562 | ppbv   | 97     |
| 30) Cyclohexane               | 3.845 | 84  | 169353 | 9.340  | ppbv   | 96     |
| 31) cis-1,2-Dichloroethene    | 2.713 | 61  | 202349 | 9.796  | ppbv   | 97     |
| 32) 1,1,1-Trichloroethane     | 3.357 | 97  | 293618 | 9.409  | ppbv   | 96     |
| 34) 2-Butanone                | 2.551 | 43  | 298071 | 12.066 | ppbv   | 98     |
| 35) Carbon Tetrachloride      | 3.748 | 117 | 297085 | 11.779 | ppbv   | 98     |
| 36) Benzene                   | 3.645 | 78  | 407263 | 11.625 | ppbv   | 99     |
| 37) 1,2-Dichloroethane        | 3.208 | 62  | 232809 | 12.720 | ppbv   | 99     |
| 38) Trichloroethene           | 4.532 | 130 | 166529 | 10.408 | ppbv   | 96     |
| 39) 1,2-Dichloropropane       | 4.302 | 63  | 153042 | 11.961 | ppbv   | 96     |
| 40) 1,4-Dioxane               | 4.567 | 88  | 61682  | 10.138 | ppbv # | 88     |
| 41) Tetrahydrofuran           | 3.046 | 42  | 164268 | 11.927 | ppbv   | 97     |
| 42) Bromodichloromethane      | 4.473 | 83  | 336858 | 12.351 | ppbv   | 98     |
| 43) Methyl Methacrylate       | 4.862 | 69  | 158457 | 10.979 | ppbv   | 98     |
| 44) 2,2,4-Trimethylpentane    | 4.625 | 57  | 701486 | 11.797 | ppbv   | 98     |
| 45) t-1,3-Dichloropropene     | 6.399 | 75  | 169435 | 10.403 | ppbv   | 97     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL090825\  
 Data File : VL042902.D  
 Acq On : 08 Sep 2025 13:35  
 Operator : SY/MD  
 Sample : VL0908ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0908ABS01

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025  
 Supervised By :Mahesh Dadoda 09/11/2025

Quant Time: Sep 09 00:55:51 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M

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

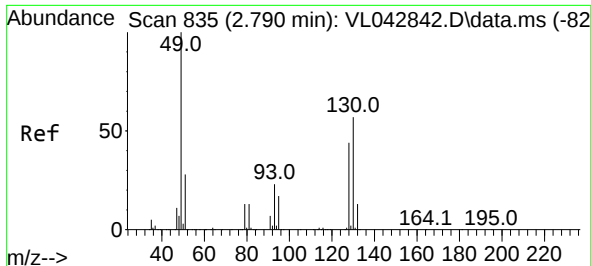
QLast Update : Tue Sep 09 00:52:26 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.583  | 75   | 223871   | 11.031 | ppbv   | 96       |
| 47) 1,1,2-Trichloroethane     | 6.564  | 97   | 156460   | 11.541 | ppbv   | 95       |
| 48) Dibromochloromethane      | 7.373  | 129  | 256923   | 11.712 | ppbv   | 99       |
| 49) Bromoform                 | 9.474  | 173  | 203018   | 11.222 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.732  | 43   | 390291   | 11.688 | ppbv   | 97       |
| 51) 2-Hexanone                | 7.422  | 43   | 311589   | 11.858 | ppbv # | 95       |
| 52) Tetrachloroethene         | 8.212  | 164  | 122229   | 9.644  | ppbv   | 93       |
| 53) Toluene                   | 6.920  | 91   | 447844   | 10.752 | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 7.639  | 107  | 223417   | 11.277 | ppbv   | 96       |
| 56) 1,1,1,2-Tetrachloroethane | 8.917  | 131  | 190922   | 12.050 | ppbv   | 98       |
| 57) Chlorobenzene             | 8.911  | 112  | 345342   | 11.855 | ppbv   | 99       |
| 58) Ethyl Benzene             | 9.344  | 91   | 618650   | 11.442 | ppbv   | 99       |
| 59) m/p-Xylene                | 9.542  | 91   | 1015739m | 23.968 | ppbv   |          |
| 60) o-Xylene                  | 9.956  | 91   | 504922   | 11.844 | ppbv   | 99       |
| 61) Styrene                   | 9.862  | 104  | 212594   | 10.644 | ppbv   | 100      |
| 62) Isopropylbenzene          | 10.532 | 105  | 717761   | 11.521 | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 9.953  | 83   | 295111   | 12.588 | ppbv   | 99       |
| 64) n-propylbenzene           | 10.982 | 120  | 186258   | 11.717 | ppbv   | 94       |
| 65) tert-Butylbenzene         | 11.523 | 119  | 633844   | 11.541 | ppbv   | 97       |
| 66) Benzyl Chloride           | 11.607 | 91   | 55458    | 7.954  | ppbv   | 99       |
| 67) sec-Butylbenzene          | 11.759 | 105  | 904977   | 11.739 | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 11.918 | 119  | 743217   | 11.229 | ppbv   | 98       |
| 70) n-Butylbenzene            | 12.274 | 91   | 793205   | 12.084 | ppbv   | 97       |
| 71) 2-Chlorotoluene           | 10.892 | 91   | 551398   | 11.398 | ppbv   | 97       |
| 72) 4-Ethyltoluene            | 11.118 | 105  | 613510   | 11.871 | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 11.196 | 105  | 505222   | 11.496 | ppbv   | 100      |
| 74) 1,2,4-Trimethylbenzene    | 11.529 | 105  | 562868   | 11.668 | ppbv   | 99       |
| 75) 1,3-Dichlorobenzene       | 11.600 | 146  | 322979   | 11.778 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 11.665 | 146  | 320689   | 11.563 | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 11.940 | 146  | 309433   | 11.524 | ppbv   | 100      |
| 78) Hexachloro-1,3-Butadiene  | 13.876 | 225  | 187990   | 8.542  | ppbv   | 97       |
| 79) Naphthalene               | 13.507 | 128  | 477313   | 10.914 | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 14.449 | 142  | 142381   | 8.713  | ppbv   | 97       |
| 81) 1,2,4-Trichlorobenzene    | 13.432 | 180  | 228630   | 10.401 | ppbv   | 99       |

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





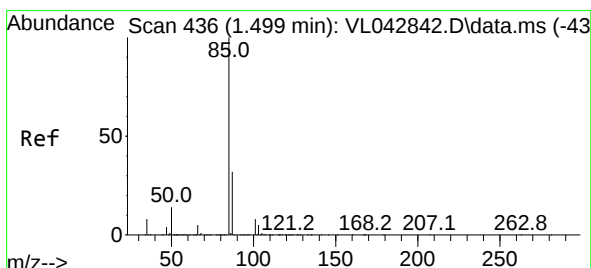
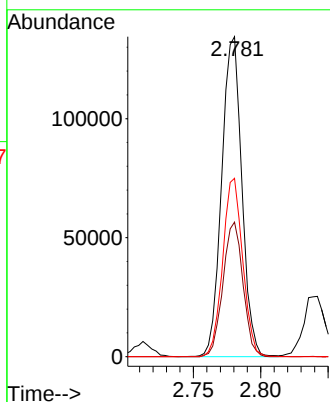
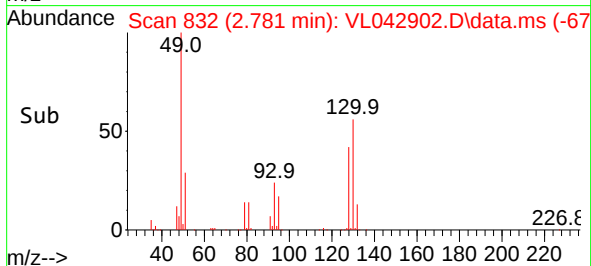
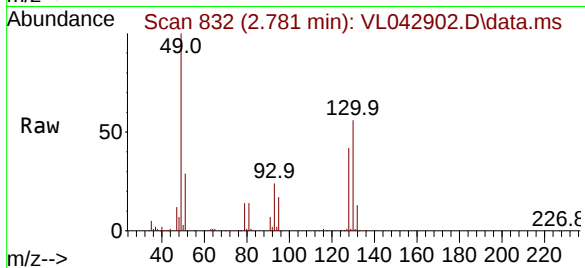
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Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.781 min Scan# 81  
Delta R.T. 0.004 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABS01

Tgt Ion: 49 Resp: 13994  
Ion Ratio Lower Upper  
49 100  
128 41.6 23.7 71.1  
130 55.2 30.6 91.6

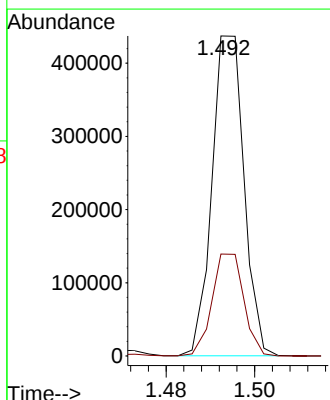
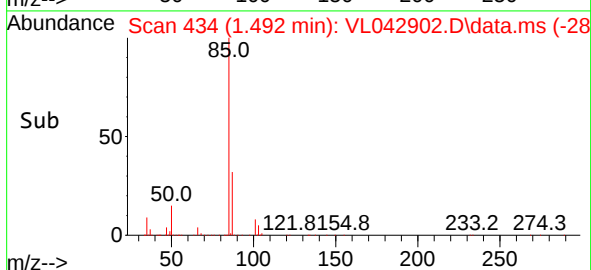
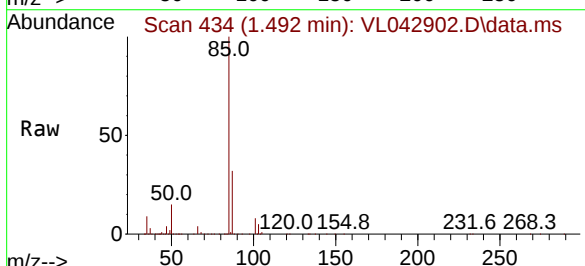
Manual Integrations  
APPROVED

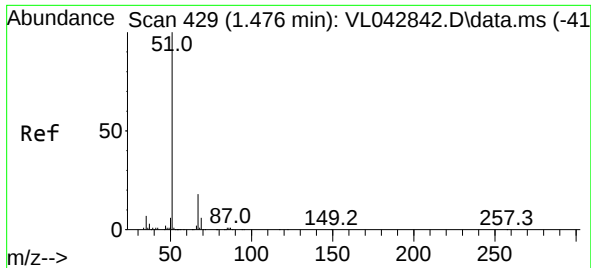
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#2  
Dichlorodifluoromethane  
Concen: 10.731 ppbv  
RT: 1.492 min Scan# 434  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

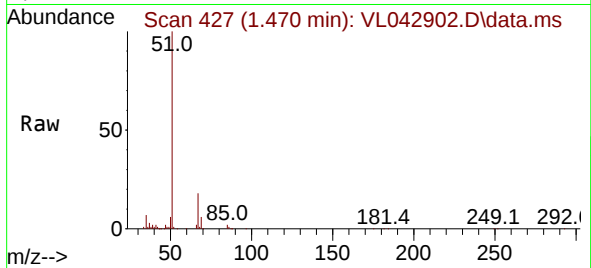
Tgt Ion: 85 Resp: 220085  
Ion Ratio Lower Upper  
85 100  
87 31.9 25.3 37.9





#3  
Chlorodifluoromethane  
Concen: 11.627 ppbv  
RT: 1.470 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

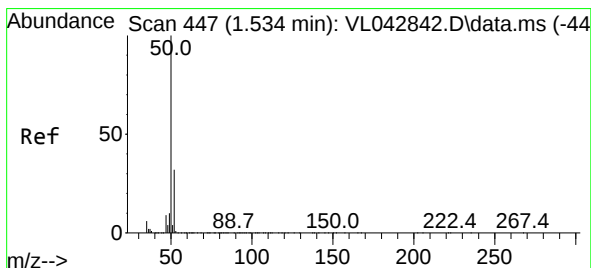
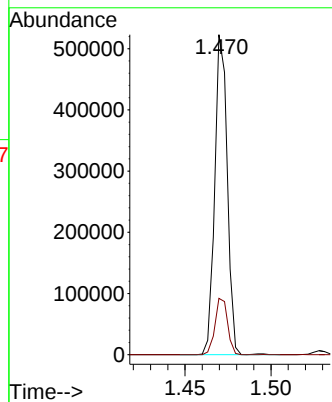
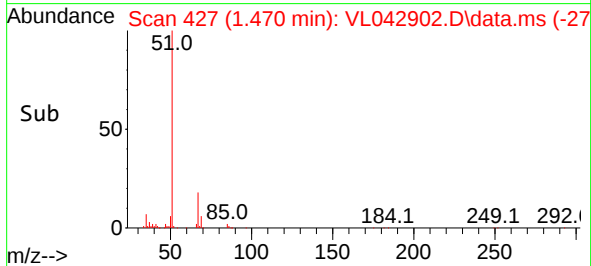
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABS01



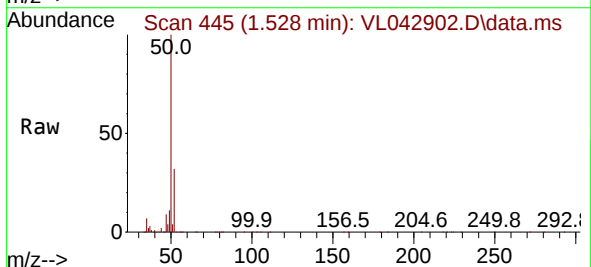
Tgt Ion: 51 Resp: 26359  
Ion Ratio Lower Upper  
51 100  
67 17.8 14.9 22.3

Manual Integrations  
APPROVED

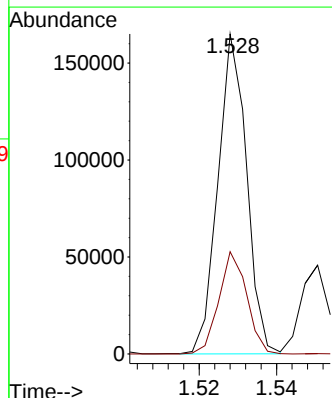
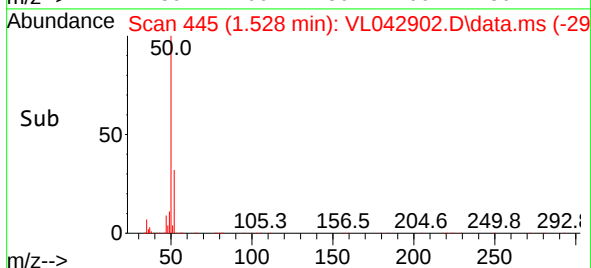
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025

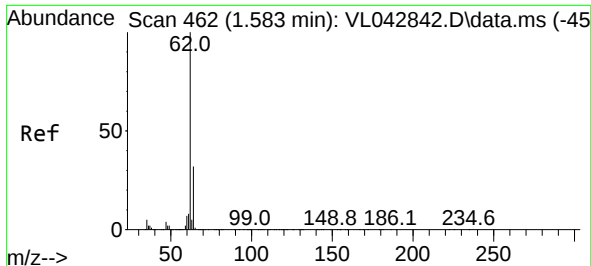


#4  
Chloromethane  
Concen: 10.244 ppbv  
RT: 1.528 min Scan# 445  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35



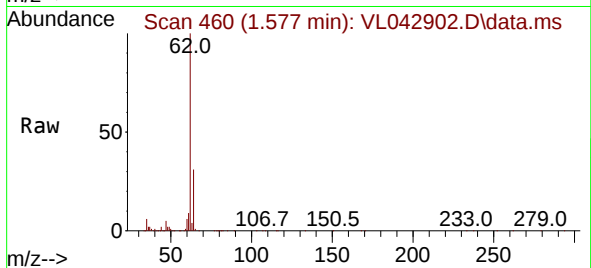
Tgt Ion: 50 Resp: 84783  
Ion Ratio Lower Upper  
50 100  
52 32.0 25.9 38.9





#5  
 Vinyl Chloride  
 Concen: 9.636 ppbv  
 RT: 1.577 min Scan# 460  
 Delta R.T. -0.000 min  
 Lab File: VL042902.D  
 Acq: 08 Sep 2025 13:35

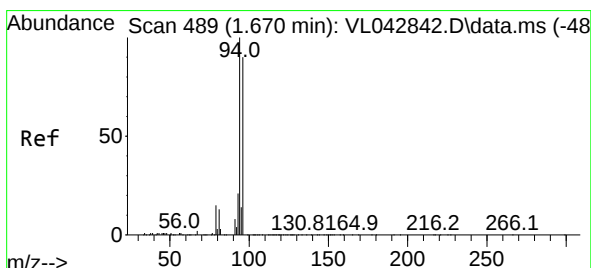
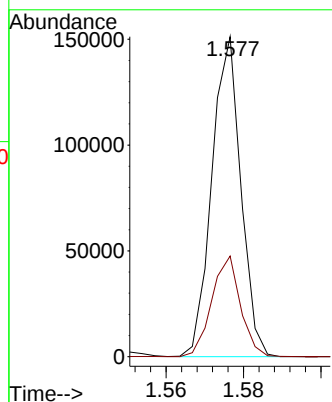
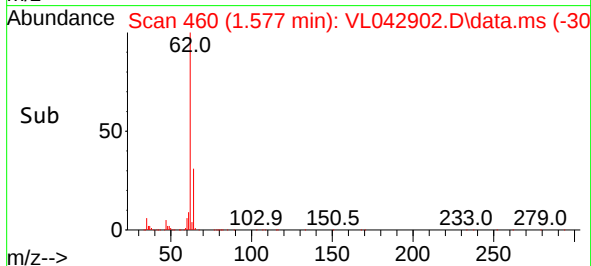
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0908ABS01



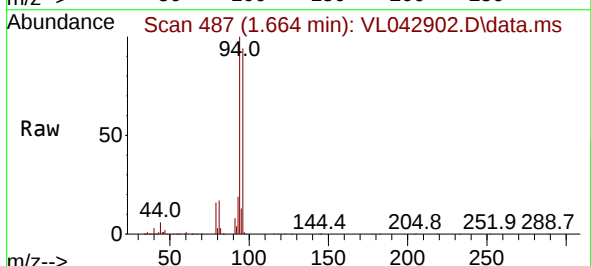
Tgt Ion: 62 Resp: 78549  
 Ion Ratio Lower Upper  
 62 100  
 64 31.5 25.4 38.2

Manual Integrations  
 APPROVED

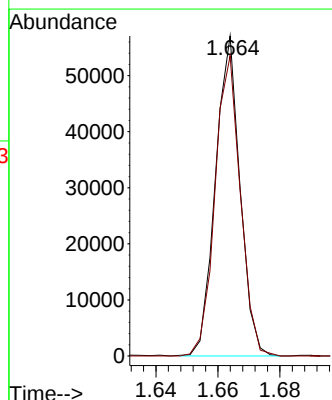
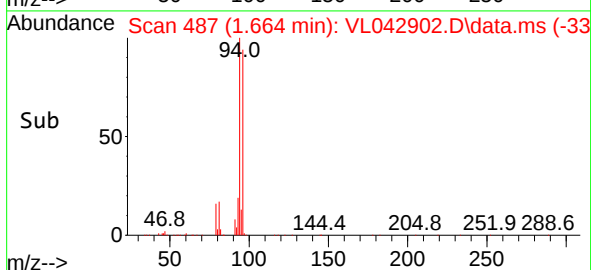
Reviewed By :Semsettin Yesilyurt 09/09/2025  
 Supervised By :Mahesh Dadoda 09/11/2025

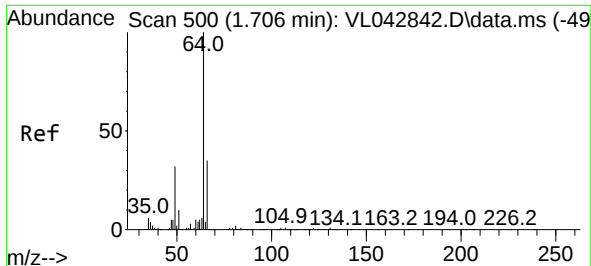


#6  
 Bromomethane  
 Concen: 9.636 ppbv  
 RT: 1.664 min Scan# 487  
 Delta R.T. -0.000 min  
 Lab File: VL042902.D  
 Acq: 08 Sep 2025 13:35



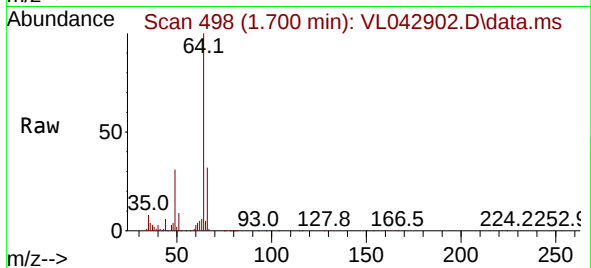
Tgt Ion: 94 Resp: 31405  
 Ion Ratio Lower Upper  
 94 100  
 96 93.8 72.1 108.1





#7  
Chloroethane  
Concen: 9.679 ppbv  
RT: 1.700 min Scan# 498  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

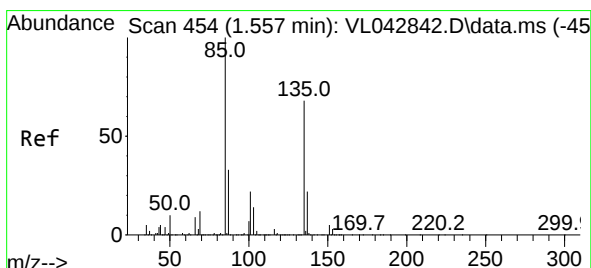
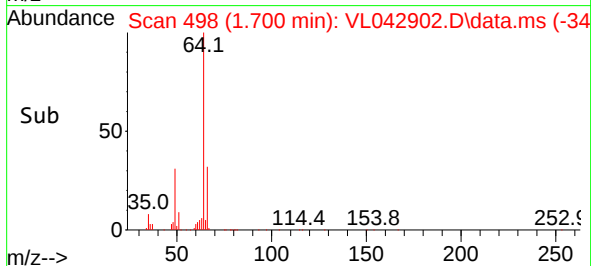
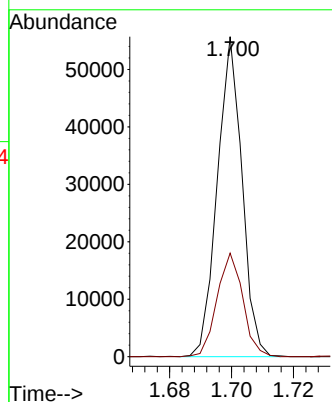
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABS01



Tgt Ion: 64 Resp: 30810  
Ion Ratio Lower Upper  
64 100  
66 32.3 28.6 42.8

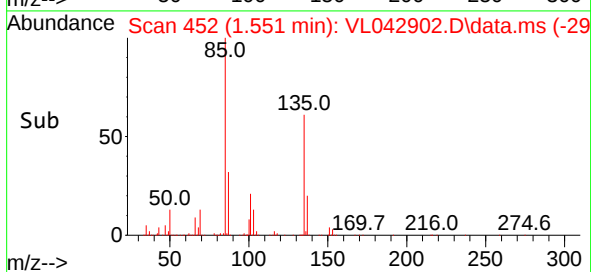
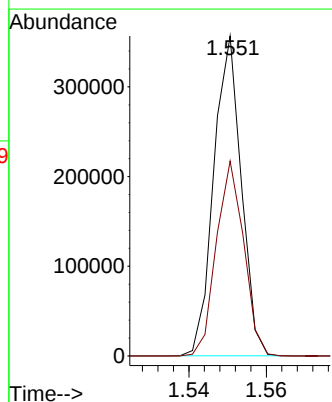
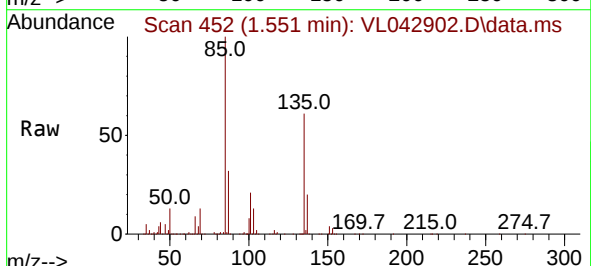
Manual Integrations  
APPROVED

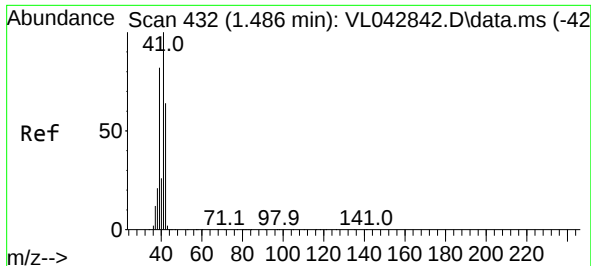
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#8  
Dichlorotetrafluoroethane  
Concen: 10.464 ppbv  
RT: 1.551 min Scan# 452  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

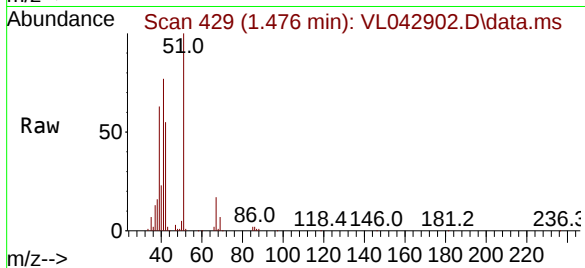
Tgt Ion: 85 Resp: 175617  
Ion Ratio Lower Upper  
85 100  
135 60.9 51.2 76.8





#9  
Propene  
Concen: 5.770 ppbv m  
RT: 1.476 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

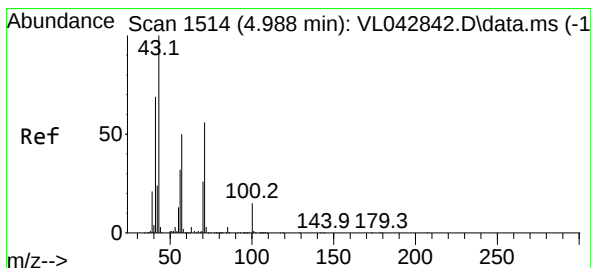
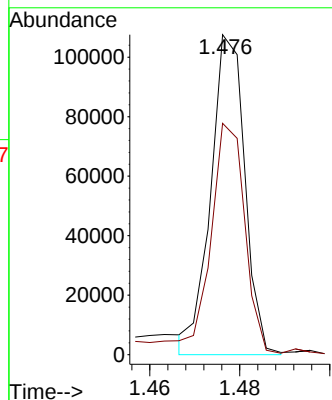
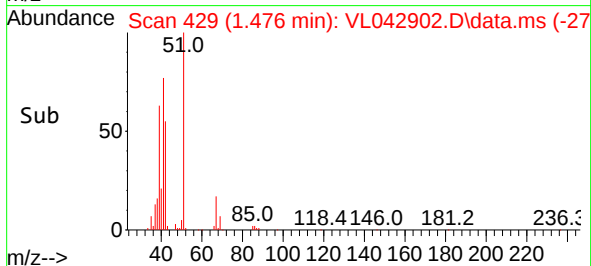
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABS01



Tgt Ion: 41 Resp: 56490  
Ion Ratio Lower Upper  
41 100  
42 10.7 53.0 79.4

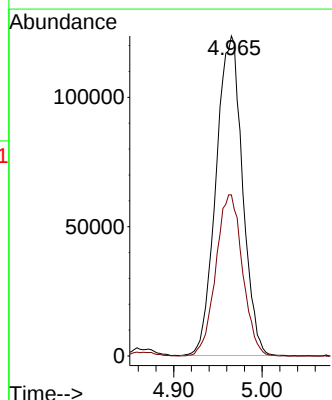
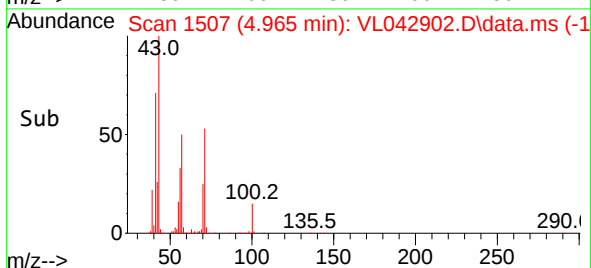
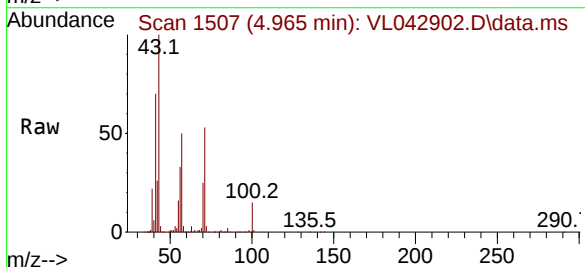
Manual Integrations  
APPROVED

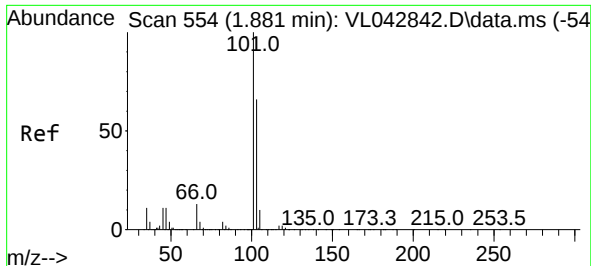
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#10  
Heptane  
Concen: 9.785 ppbv  
RT: 4.965 min Scan# 1507  
Delta R.T. 0.006 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

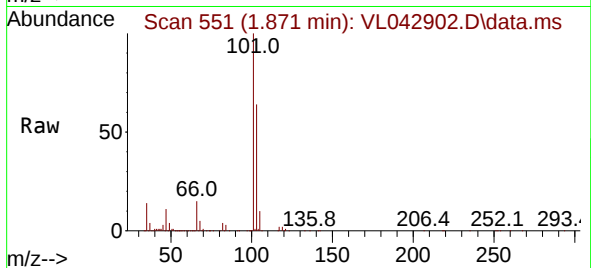
Tgt Ion: 43 Resp: 256593  
Ion Ratio Lower Upper  
43 100  
57 50.9 41.4 62.0





#11  
 Trichlorofluoromethane  
 Concen: 10.185 ppbv  
 RT: 1.871 min Scan# 511  
 Delta R.T. -0.000 min  
 Lab File: VL042902.D  
 Acq: 08 Sep 2025 13:35

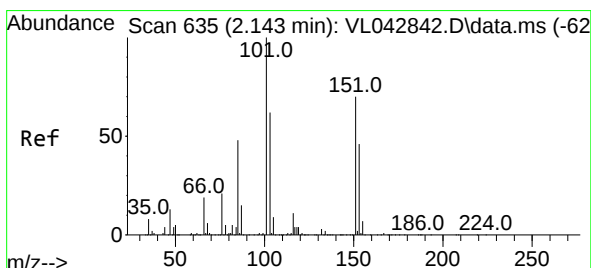
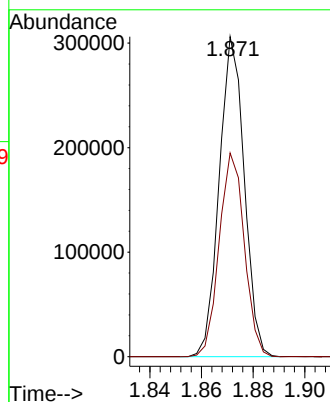
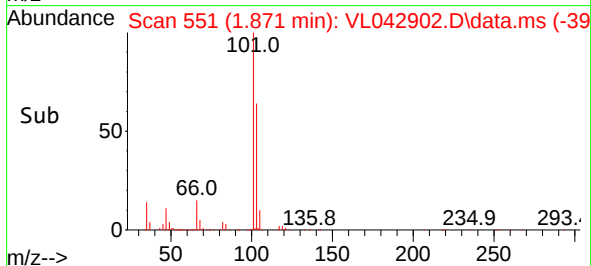
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0908ABS01



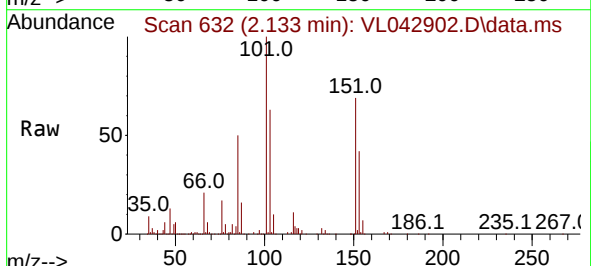
Tgt Ion:101 Resp: 206104  
 Ion Ratio Lower Upper  
 101 100  
 103 63.6 52.5 78.7

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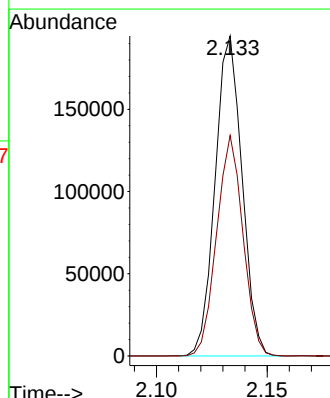
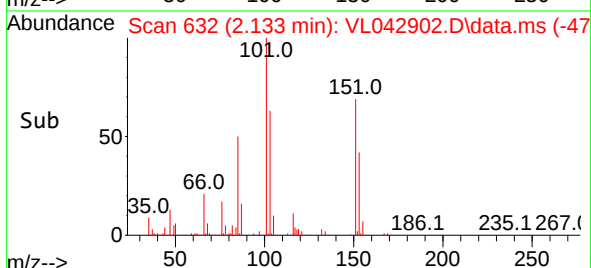
Reviewed By :Semsettin Yesilyurt 09/09/2025  
 Supervised By :Mahesh Dadoda 09/11/2025

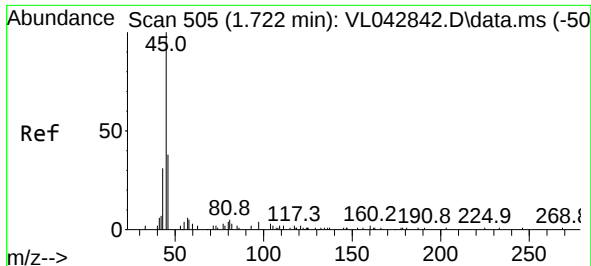


#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 10.197 ppbv  
 RT: 2.133 min Scan# 632  
 Delta R.T. -0.000 min  
 Lab File: VL042902.D  
 Acq: 08 Sep 2025 13:35



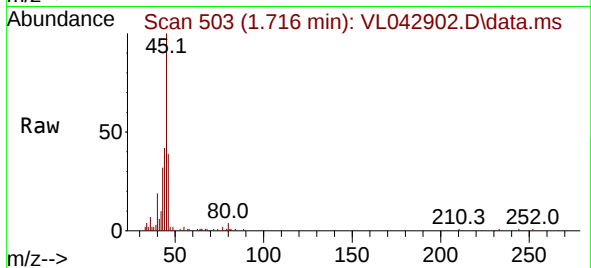
Tgt Ion:101 Resp: 164464  
 Ion Ratio Lower Upper  
 101 100  
 151 67.4 56.4 84.6





#13  
Ethanol  
Concen: 8.071 ppbv  
RT: 1.716 min Scan# 505  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

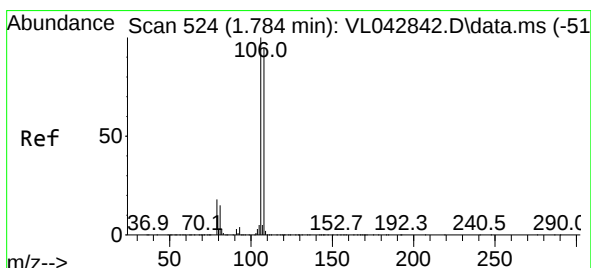
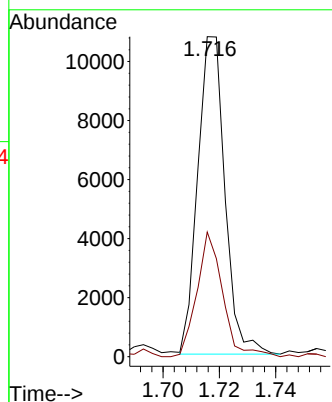
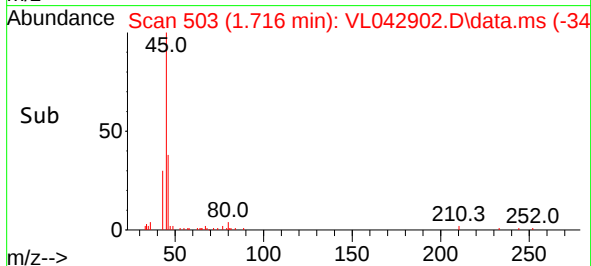
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABS01



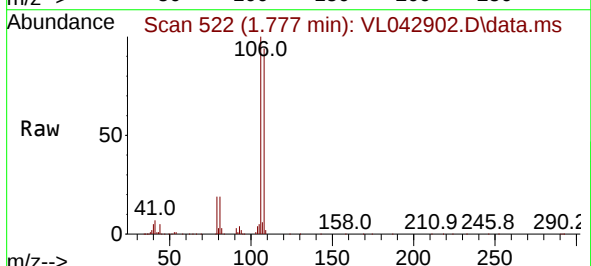
Tgt Ion: 45 Resp: 7225  
Ion Ratio Lower Upper  
45 100  
46 38.4 17.5 69.9

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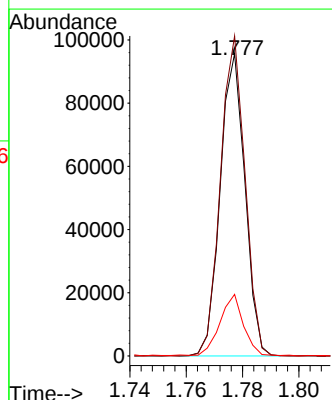
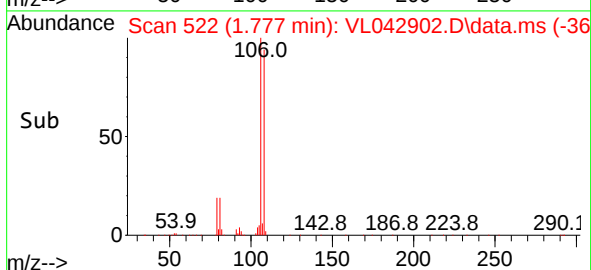
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025

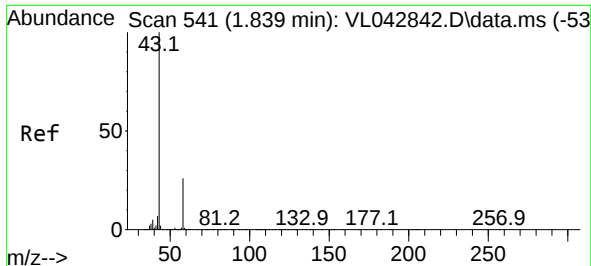


#14  
Bromoethene  
Concen: 10.009 ppbv  
RT: 1.777 min Scan# 522  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35



Tgt Ion:108 Resp: 58442  
Ion Ratio Lower Upper  
108 100  
106 104.8 85.1 127.7  
79 20.1 16.3 24.5





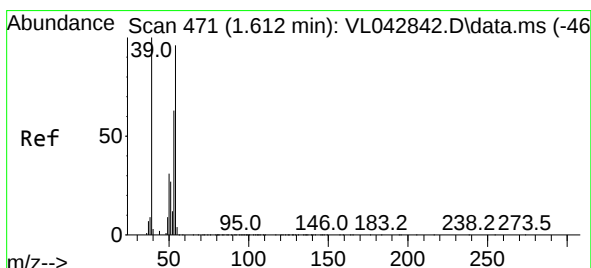
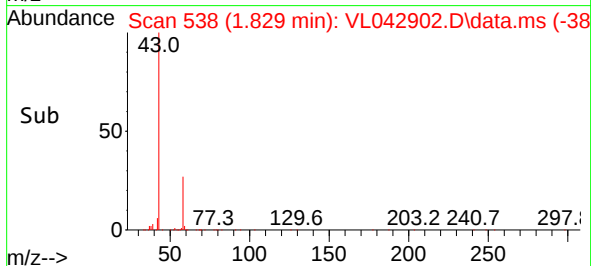
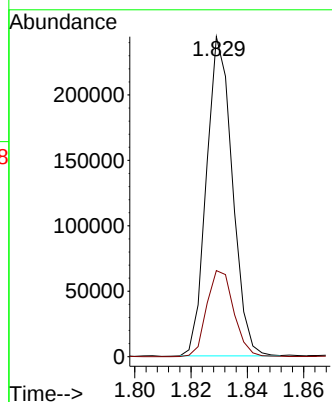
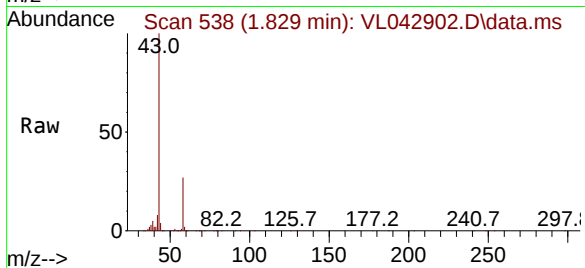
#15  
Acetone  
Concen: 8.435 ppbv  
RT: 1.829 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABS01

Tgt Ion: 43 Resp: 15614  
Ion Ratio Lower Upper  
43 100  
58 28.3 22.4 33.6

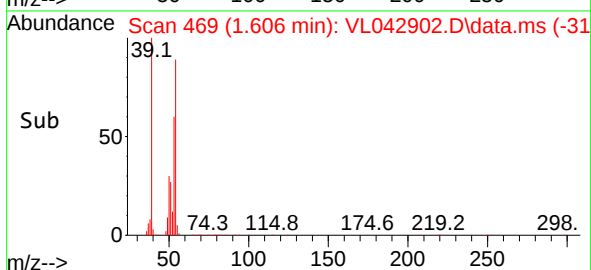
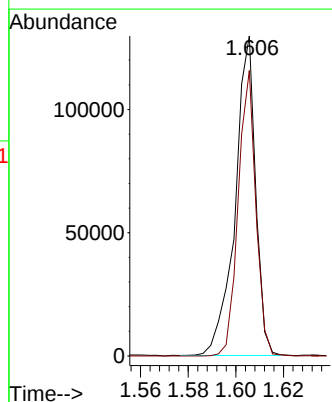
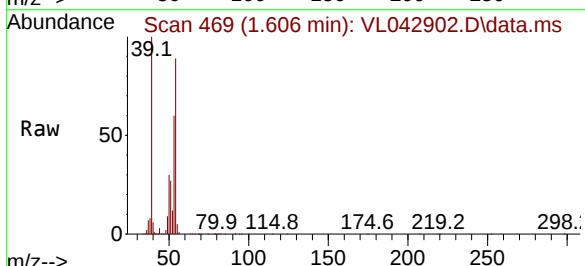
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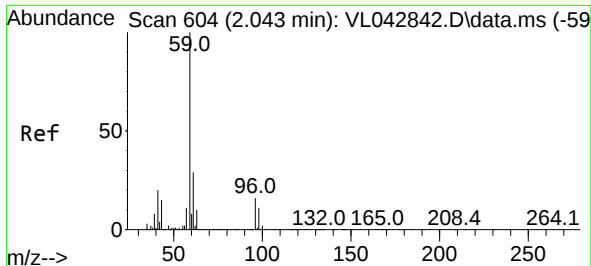
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#16  
1,3-Butadiene  
Concen: 9.250 ppbv  
RT: 1.606 min Scan# 469  
Delta R.T. 0.003 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Tgt Ion: 39 Resp: 77632  
Ion Ratio Lower Upper  
39 100  
54 76.8 63.6 95.4





#17

tert-Butyl alcohol

Concen: 8.020 ppbv

RT: 2.036 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Instrument :

MSVOA\_L

ClientSampleId :

VL0908ABS01

Tgt Ion: 59 Resp: 176050

Ion Ratio Lower Upper

59 100

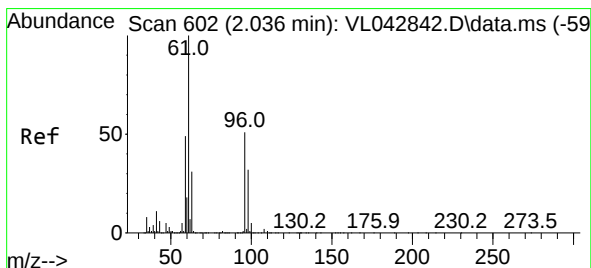
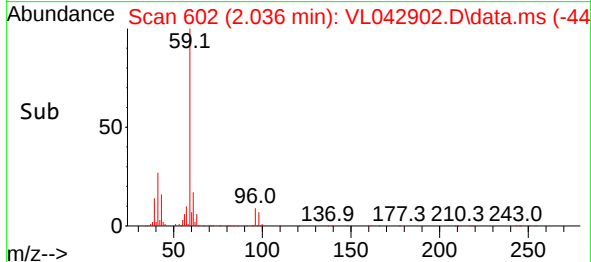
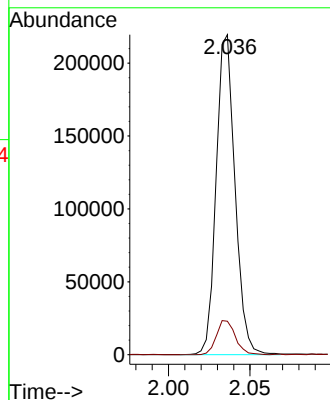
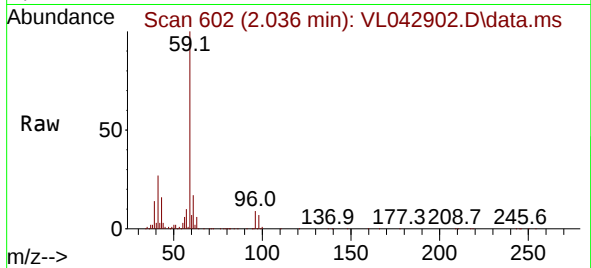
57 10.9 9.0 13.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/09/2025

Supervised By :Mahesh Dadoda 09/11/2025



#18

1,1-Dichloroethene

Concen: 9.707 ppbv

RT: 2.026 min Scan# 599

Delta R.T. -0.000 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

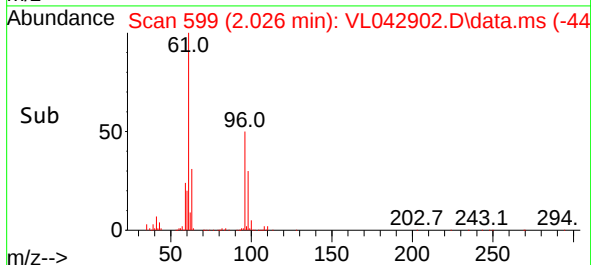
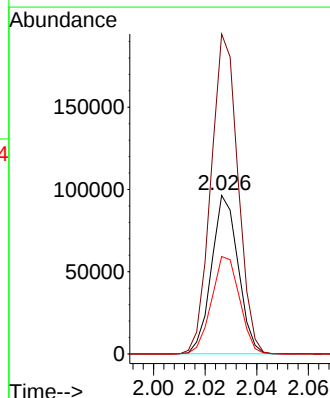
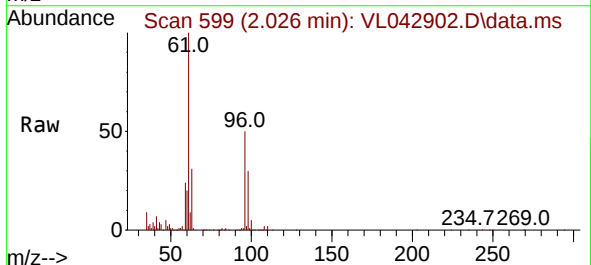
Tgt Ion: 96 Resp: 68830

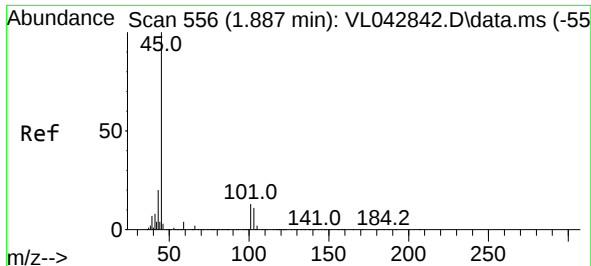
Ion Ratio Lower Upper

96 100

61 201.9 158.2 237.4

98 61.5 50.6 76.0





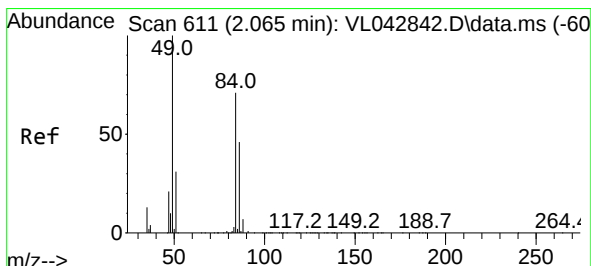
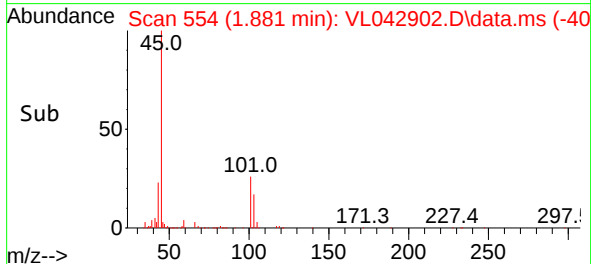
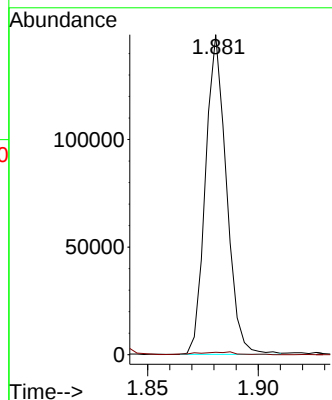
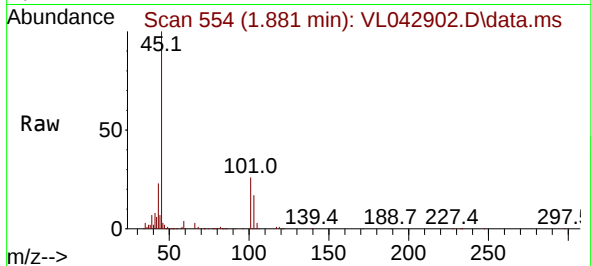
#19  
Isopropyl Alcohol  
Concen: 8.791 ppbv  
RT: 1.881 min Scan# 519  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABS01

Tgt Ion: 45 Resp: 97198  
Ion Ratio Lower Upper  
45 100  
58 45.5 32.7 49.1

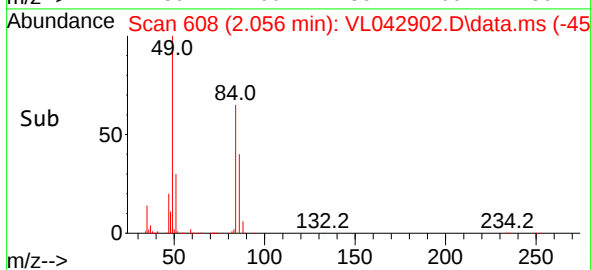
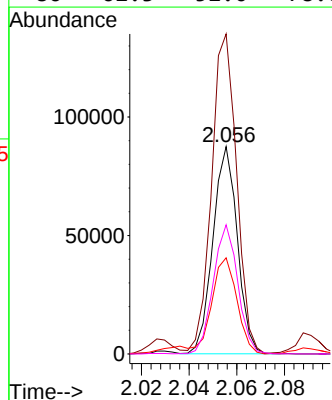
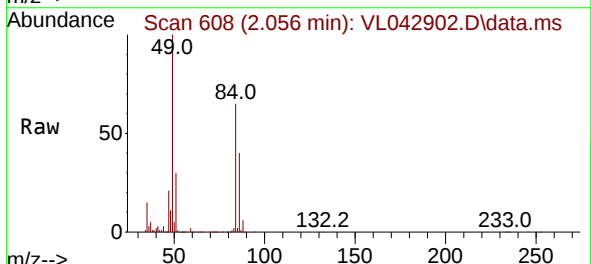
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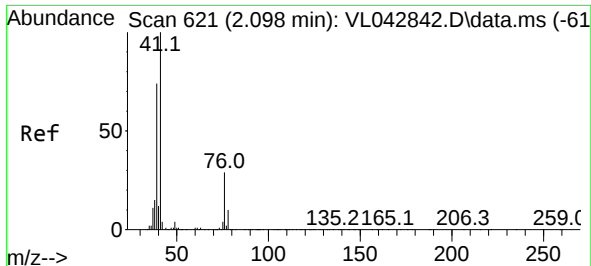
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#20  
Methylene Chloride  
Concen: 8.038 ppbv  
RT: 2.056 min Scan# 608  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Tgt Ion: 84 Resp: 62334  
Ion Ratio Lower Upper  
84 100  
49 153.6 112.3 168.5  
51 46.1 36.0 54.0  
86 62.3 52.0 78.0





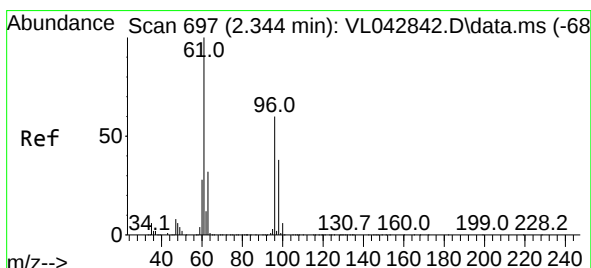
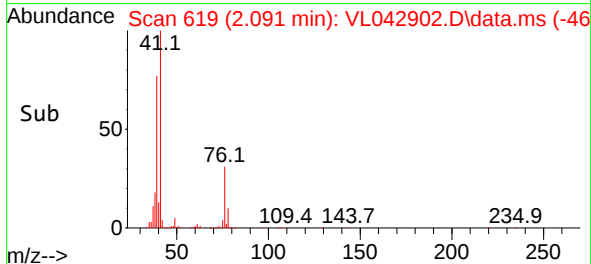
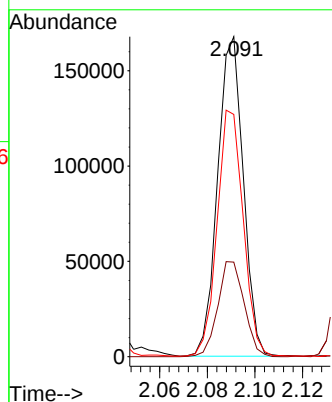
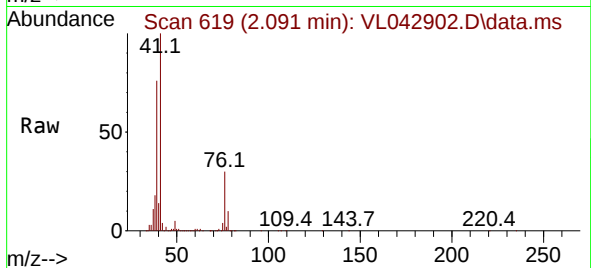
#21  
 Allyl Chloride  
 Concen: 9.573 ppbv  
 RT: 2.091 min Scan# 619  
 Delta R.T. 0.003 min  
 Lab File: VL042902.D  
 Acq: 08 Sep 2025 13:35

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0908ABS01

Tgt Ion: 41 Resp: 12519  
 Ion Ratio Lower Upper  
 41 100  
 76 30.6 23.9 35.9  
 39 78.4 57.8 86.6

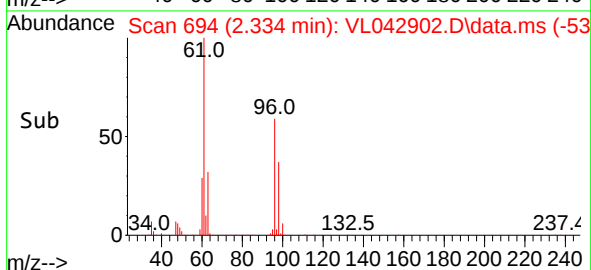
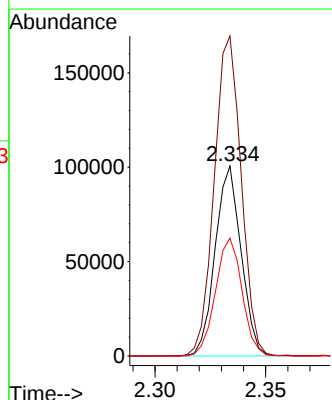
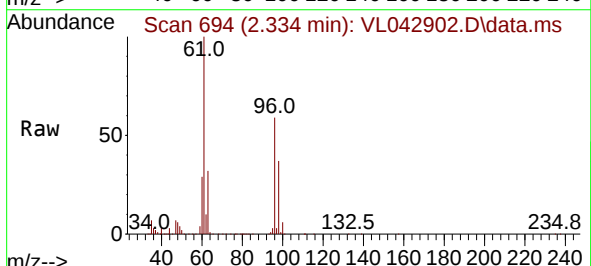
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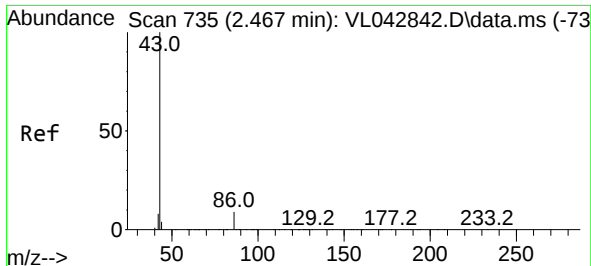
Reviewed By :Semsettin Yesilyurt 09/09/2025  
 Supervised By :Mahesh Dadoda 09/11/2025



#22  
 trans-1,2-Dichloroethene  
 Concen: 10.005 ppbv  
 RT: 2.334 min Scan# 694  
 Delta R.T. 0.003 min  
 Lab File: VL042902.D  
 Acq: 08 Sep 2025 13:35

Tgt Ion: 96 Resp: 82077  
 Ion Ratio Lower Upper  
 96 100  
 61 168.5 132.6 199.0  
 98 62.0 50.0 75.0





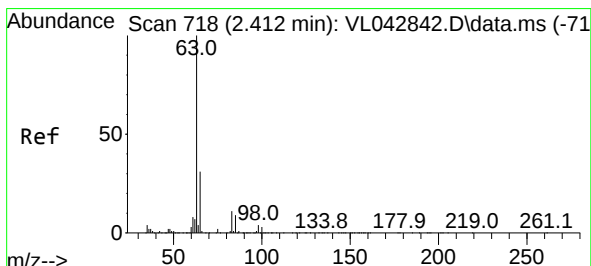
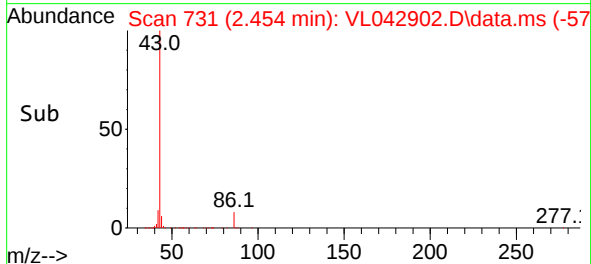
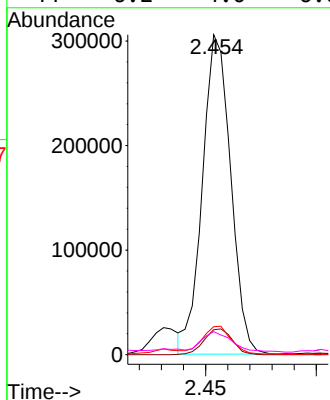
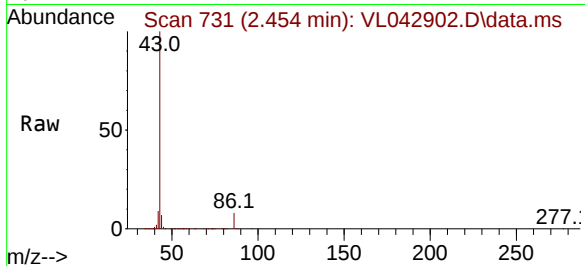
#23  
 Vinyl Acetate  
 Concen: 10.634 ppbv  
 RT: 2.454 min Scan# 715  
 Delta R.T. -0.000 min  
 Lab File: VL042902.D  
 Acq: 08 Sep 2025 13:35

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0908ABS01

Tgt Ion: 43 Resp: 270670  
 Ion Ratio Lower Upper  
 43 100  
 86 7.8 6.6 9.8  
 42 8.6 7.0 10.6  
 44 6.2 4.0 6.0#

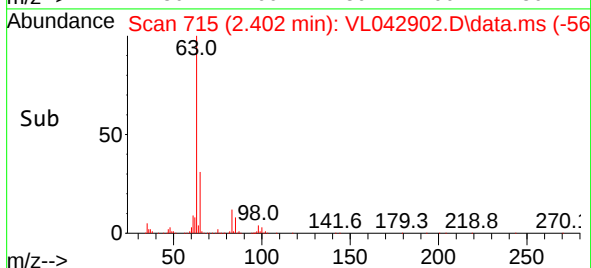
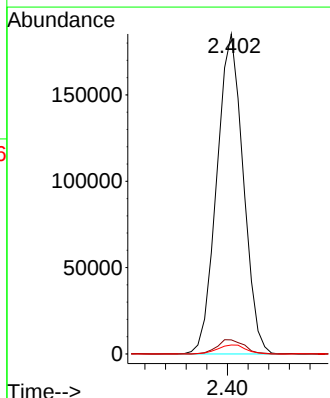
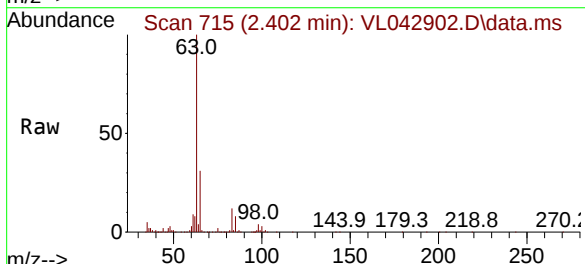
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Reviewed By :Semsettin Yesilyurt 09/09/2025  
 Supervised By :Mahesh Dadoda 09/11/2025



#24  
 1,1-Dichloroethane  
 Concen: 10.066 ppbv  
 RT: 2.402 min Scan# 715  
 Delta R.T. -0.000 min  
 Lab File: VL042902.D  
 Acq: 08 Sep 2025 13:35

Tgt Ion: 63 Resp: 164910  
 Ion Ratio Lower Upper  
 63 100  
 98 4.4 2.1 6.5  
 100 2.8 1.7 5.1





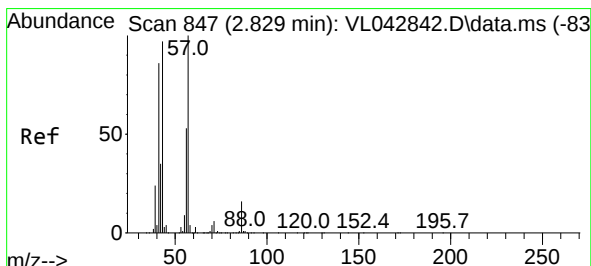
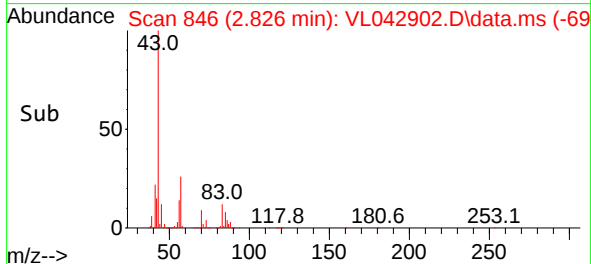
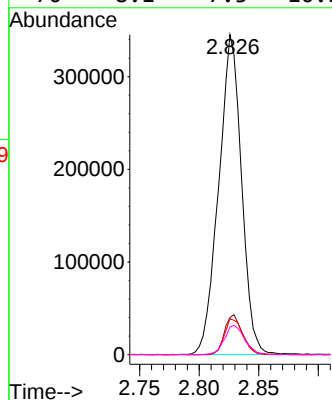
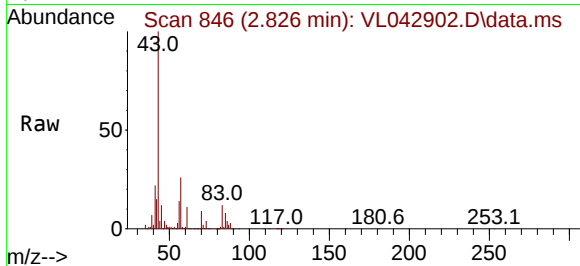
#25  
Ethyl Acetate  
Concen: 10.237 ppbv  
RT: 2.826 min Scan# 843  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABS01

Tgt Ion: 43 Resp: 458640  
Ion Ratio Lower Upper  
43 100  
45 10.0 8.1 12.1  
61 9.2 7.4 11.2  
70 8.1 7.3 10.9

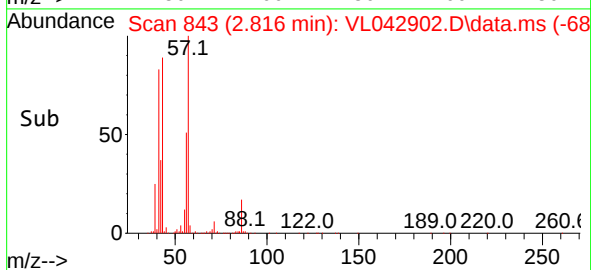
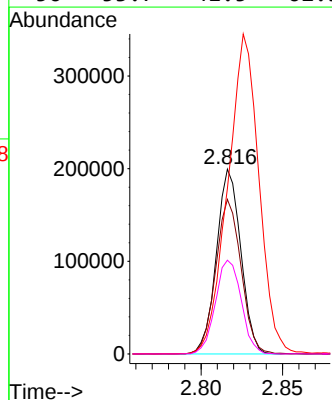
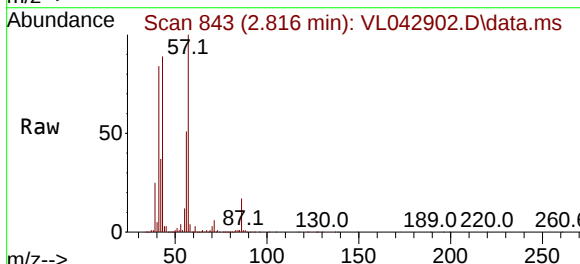
Manual Integrations  
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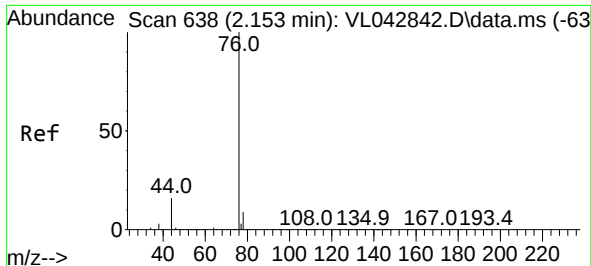
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#26  
Hexane  
Concen: 10.043 ppbv  
RT: 2.816 min Scan# 843  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

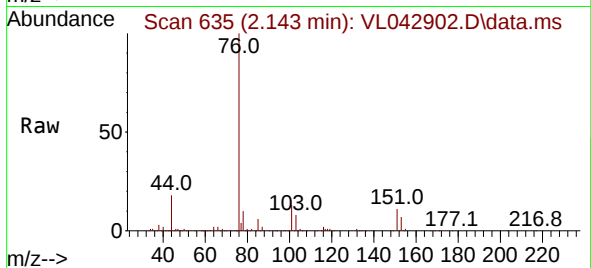
Tgt Ion: 57 Resp: 207705  
Ion Ratio Lower Upper  
57 100  
41 87.5 68.6 103.0  
43 221.9 168.5 252.7  
56 53.7 41.5 62.3





#27  
Carbon Disulfide  
Concen: 10.273 ppbv  
RT: 2.143 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

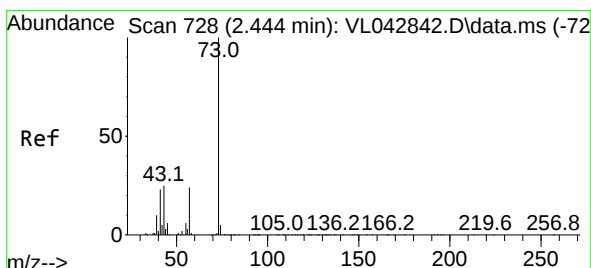
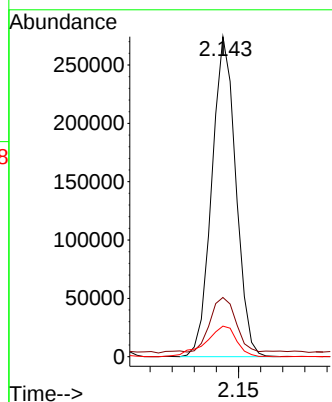
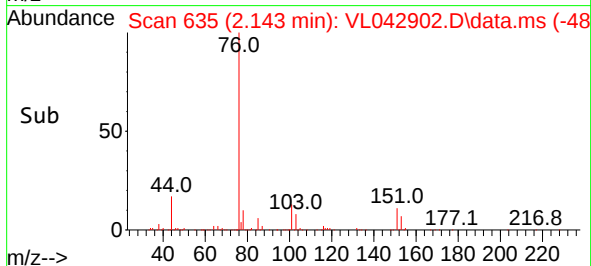
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABS01



Tgt Ion: 76 Resp: 20675  
Ion Ratio Lower Upper  
76 100  
44 20.9 15.9 23.9  
78 12.3 9.5 14.3

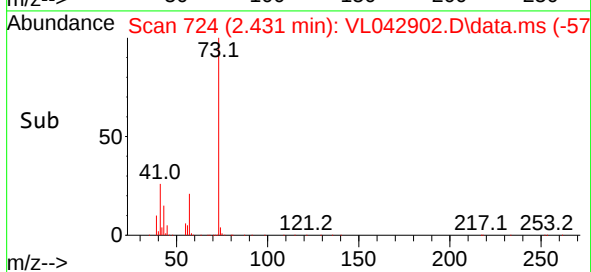
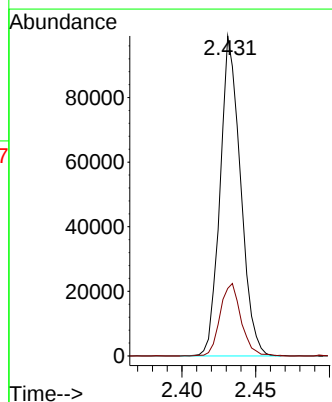
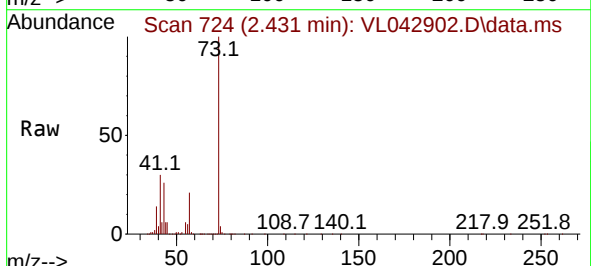
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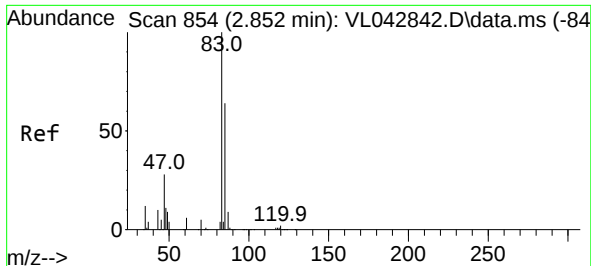
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#28  
Methyl tert-Butyl Ether  
Concen: 9.082 ppbv  
RT: 2.431 min Scan# 724  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Tgt Ion: 73 Resp: 95768  
Ion Ratio Lower Upper  
73 100  
57 23.2 21.6 32.4





#29

Chloroform

Concen: 10.562 ppbv

RT: 2.839 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Instrument :

MSVOA\_L

ClientSampleId :

VL0908ABS01

Tgt Ion: 83 Resp: 31185

Ion Ratio Lower Upper

83 100

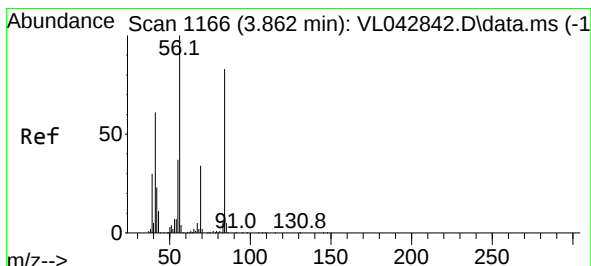
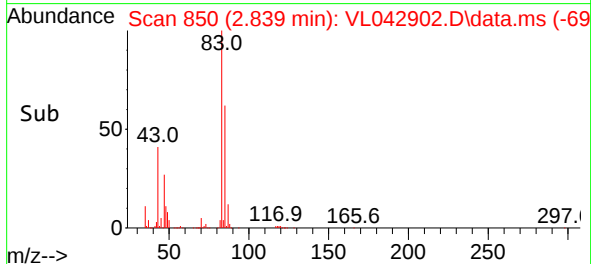
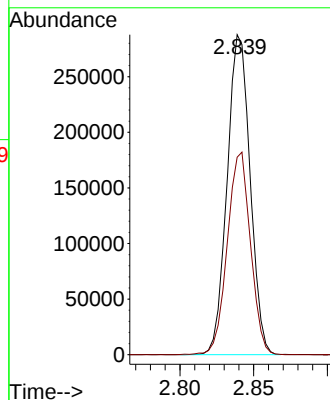
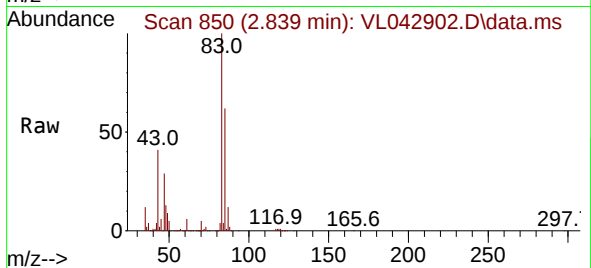
85 61.7 51.1 76.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/09/2025

Supervised By :Mahesh Dadoda 09/11/2025



#30

Cyclohexane

Concen: 9.340 ppbv

RT: 3.845 min Scan# 1161

Delta R.T. 0.003 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

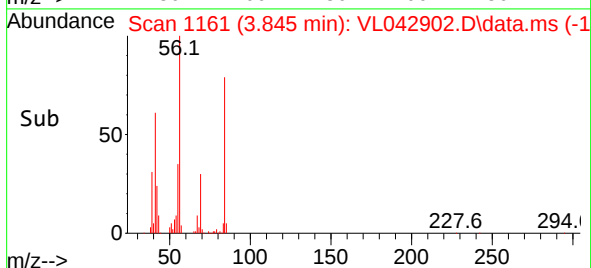
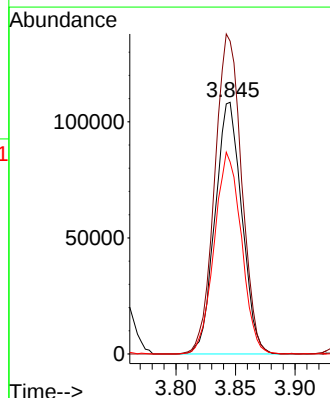
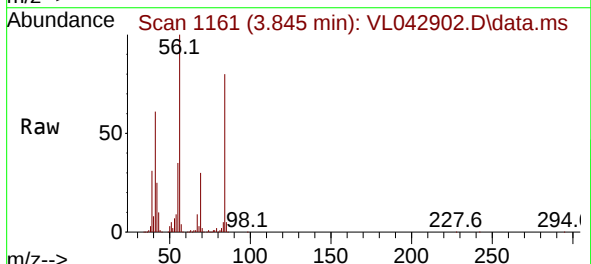
Tgt Ion: 84 Resp: 169353

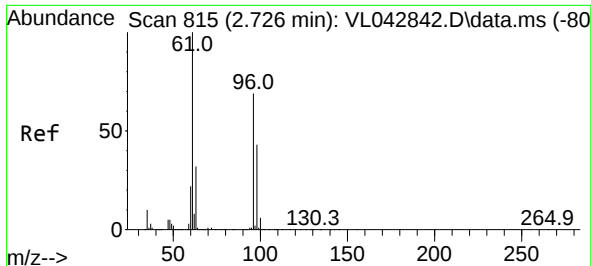
Ion Ratio Lower Upper

84 100

56 127.6 98.8 148.2

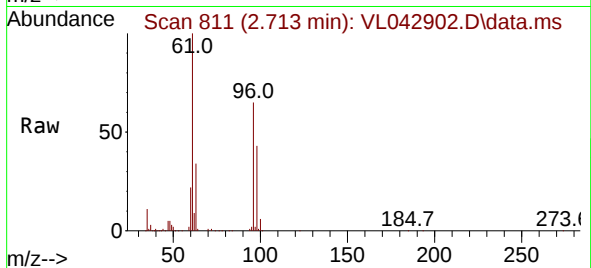
41 81.1 61.3 91.9





#31  
 cis-1,2-Dichloroethene  
 Concen: 9.796 ppbv  
 RT: 2.713 min Scan# 815  
 Delta R.T. -0.000 min  
 Lab File: VL042902.D  
 Acq: 08 Sep 2025 13:35

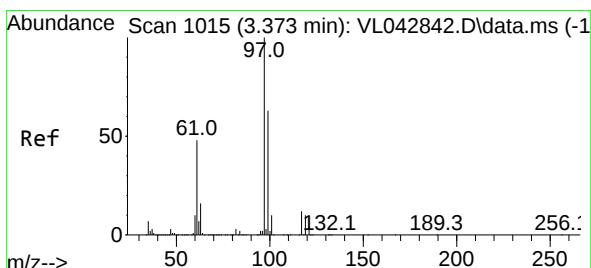
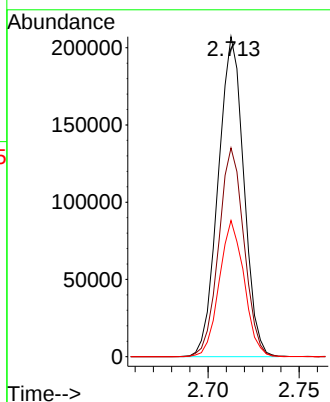
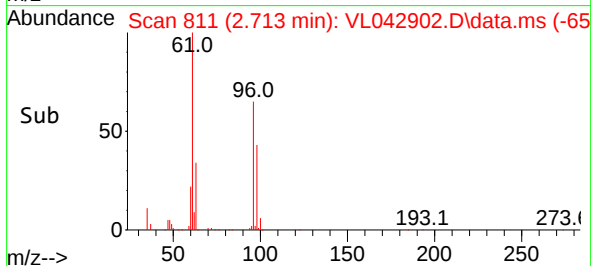
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0908ABS01



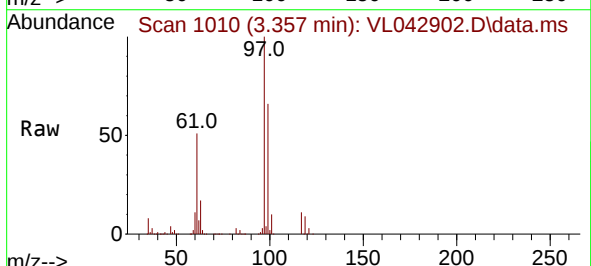
Tgt Ion: 61 Resp: 202349  
 Ion Ratio Lower Upper  
 61 100  
 96 65.2 55.0 82.6  
 98 42.5 34.3 51.5

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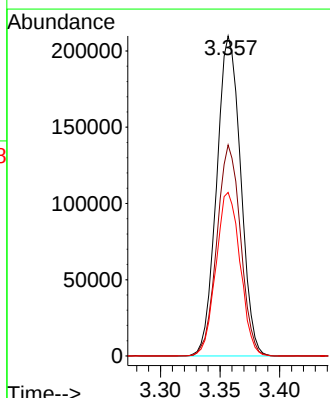
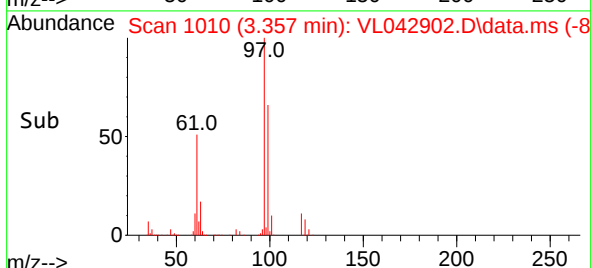
Reviewed By :Semsettin Yesilyurt 09/09/2025  
 Supervised By :Mahesh Dadoda 09/11/2025

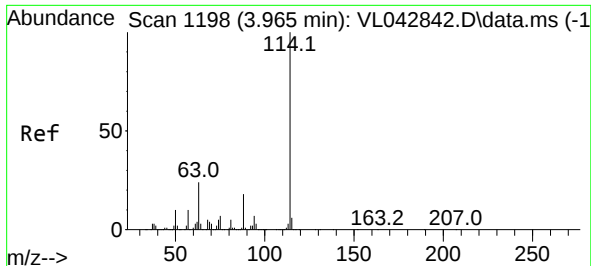


#32  
 1,1,1-Trichloroethane  
 Concen: 9.409 ppbv  
 RT: 3.357 min Scan# 1010  
 Delta R.T. -0.000 min  
 Lab File: VL042902.D  
 Acq: 08 Sep 2025 13:35



Tgt Ion: 97 Resp: 293618  
 Ion Ratio Lower Upper  
 97 100  
 99 65.0 51.0 76.6  
 61 51.7 38.0 57.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.946 min Scan# 1198

Delta R.T. 0.003 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Instrument :

MSVOA\_L

ClientSampleId :

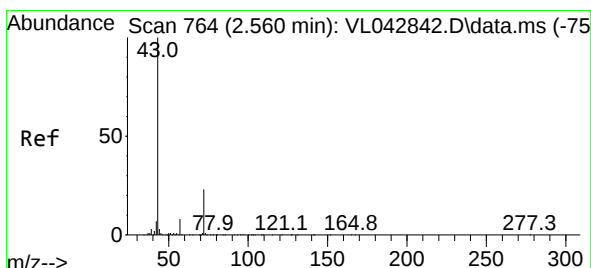
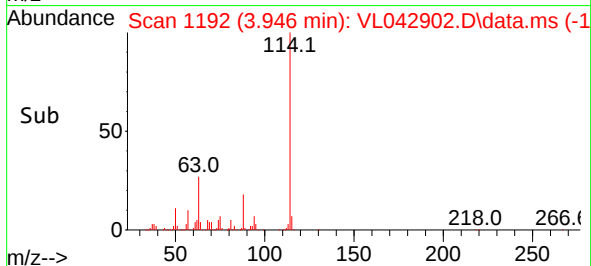
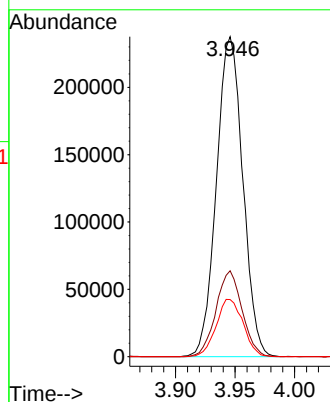
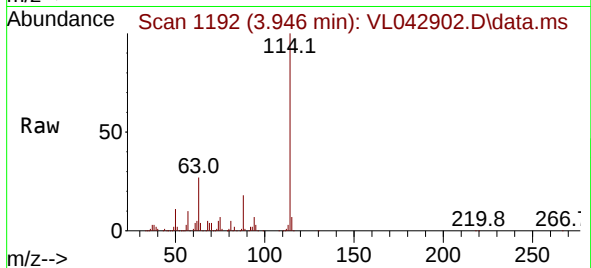
VL0908ABS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 114   | Resp: | 36585 |
| Ion Ratio | Lower | Upper |       |
| 114       | 100   |       |       |
| 63        | 26.5  | 19.7  | 29.5  |
| 88        | 18.3  | 14.4  | 21.6  |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#34

2-Butanone

Concen: 12.066 ppbv

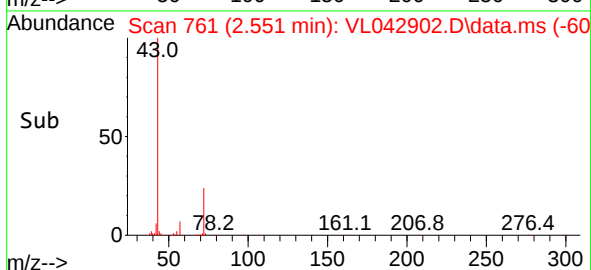
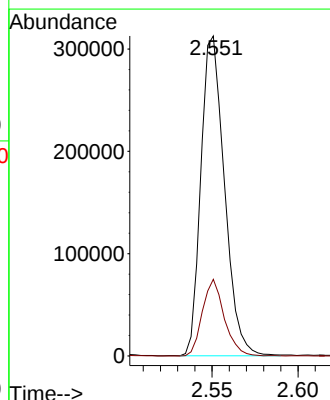
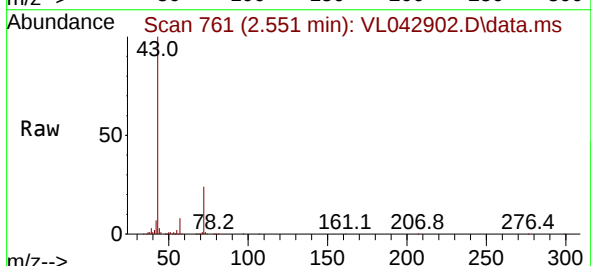
RT: 2.551 min Scan# 761

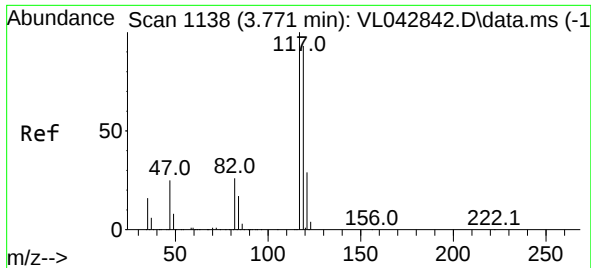
Delta R.T. 0.003 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 298071 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 72        | 22.3  | 18.6  | 28.0   |





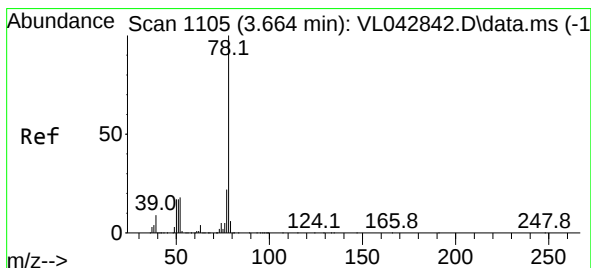
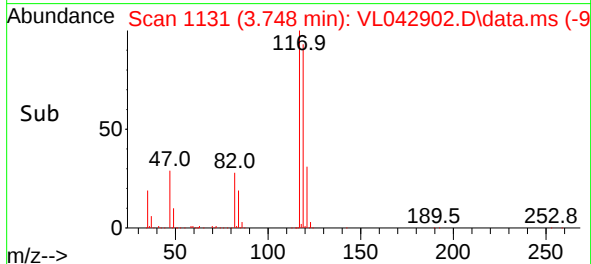
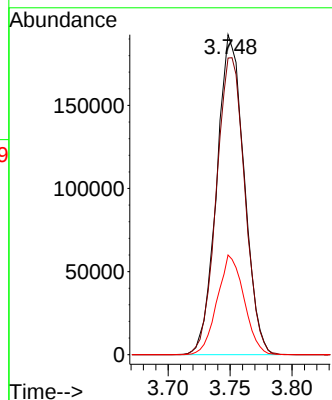
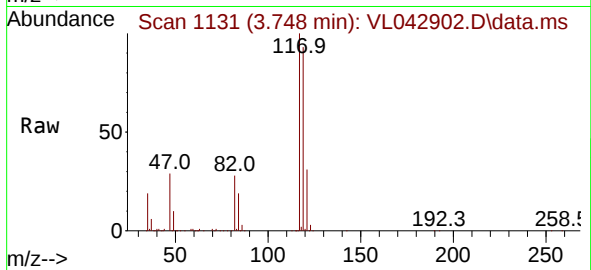
#35  
Carbon Tetrachloride  
Concen: 11.779 ppbv  
RT: 3.748 min Scan# 1138  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABS01

Tgt Ion:117 Resp: 297085  
Ion Ratio Lower Upper  
117 100  
119 92.6 74.7 112.1  
121 31.2 23.2 34.8

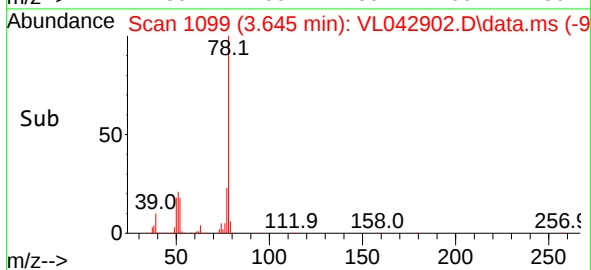
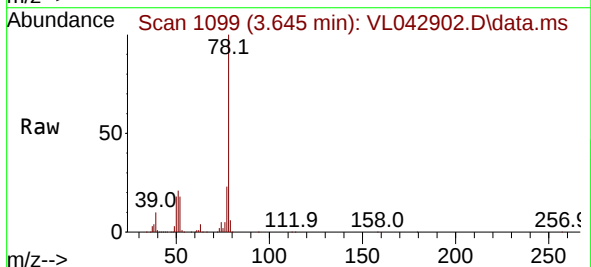
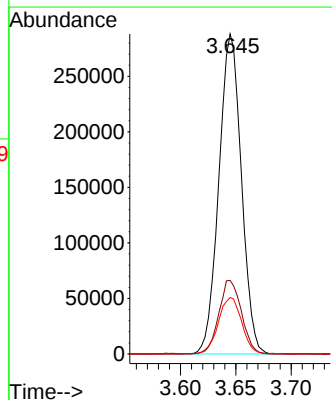
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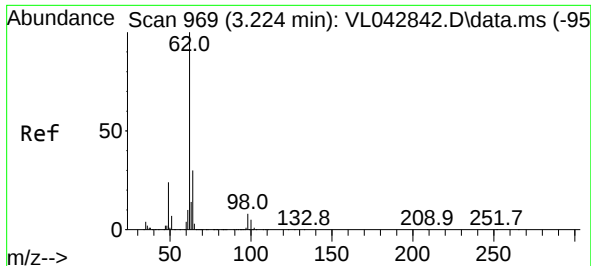
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#36  
Benzene  
Concen: 11.625 ppbv  
RT: 3.645 min Scan# 1099  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Tgt Ion: 78 Resp: 407263  
Ion Ratio Lower Upper  
78 100  
77 23.0 17.7 26.5  
50 17.7 13.9 20.9





#37

1,2-Dichloroethane

Concen: 12.720 ppbv

RT: 3.208 min Scan# 9

Delta R.T. -0.000 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Instrument :

MSVOA\_L

ClientSampleId :

VL0908ABS01

Tgt Ion: 62 Resp: 232809

Ion Ratio Lower Upper

62 100

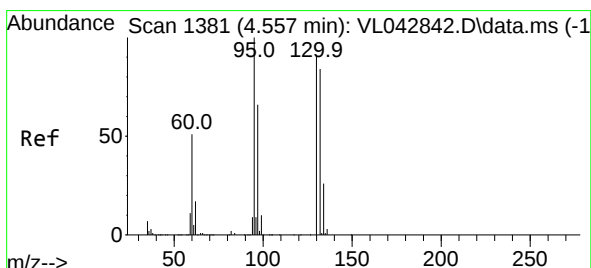
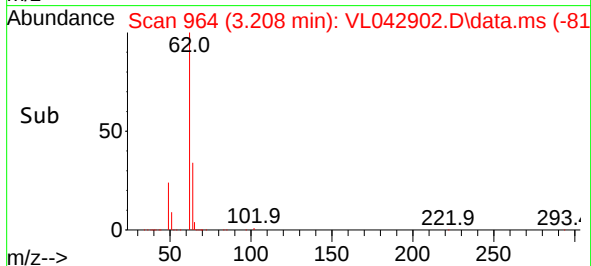
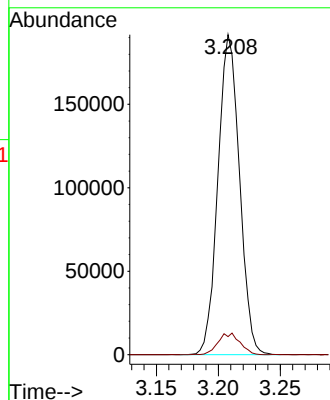
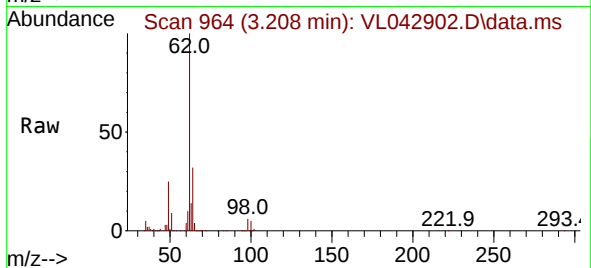
98 6.9 5.9 8.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/09/2025

Supervised By :Mahesh Dadoda 09/11/2025



#38

Trichloroethene

Concen: 10.408 ppbv

RT: 4.532 min Scan# 1373

Delta R.T. -0.000 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Tgt Ion:130 Resp: 166529

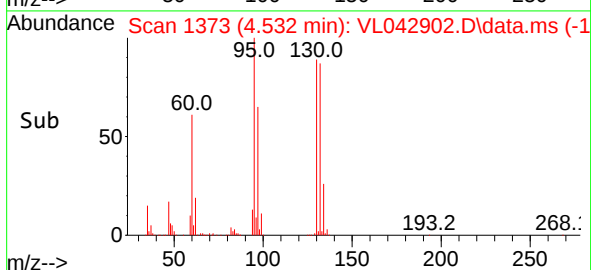
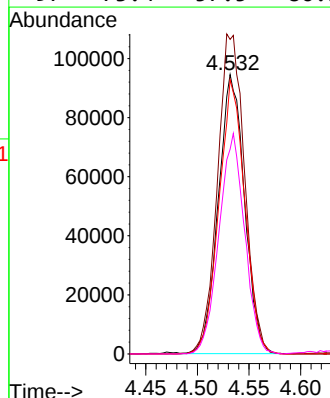
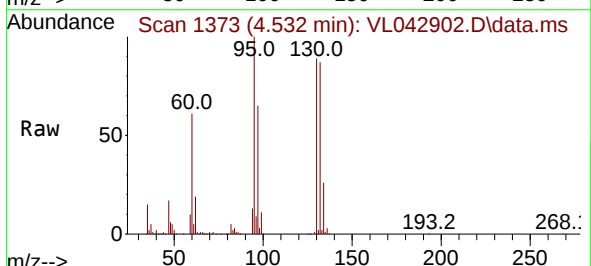
Ion Ratio Lower Upper

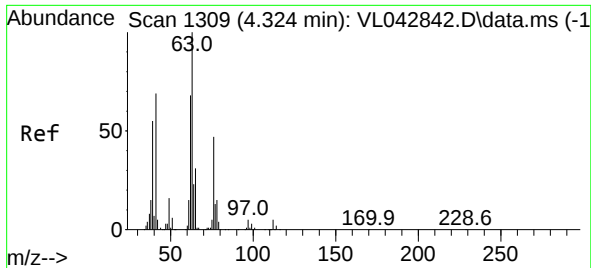
130 100

95 112.8 87.6 131.4

132 98.3 73.8 110.8

97 73.4 57.5 86.3





#39

1,2-Dichloropropane

Concen: 11.961 ppbv

RT: 4.302 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Instrument :

MSVOA\_L

ClientSampleId :

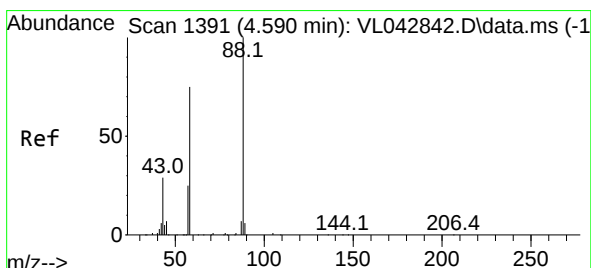
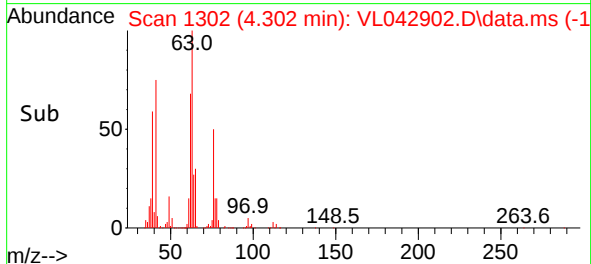
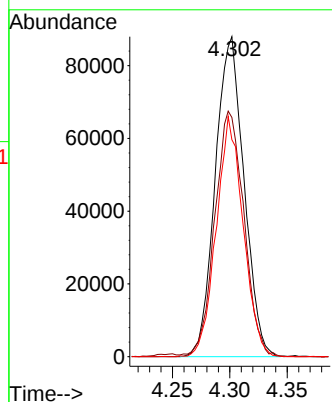
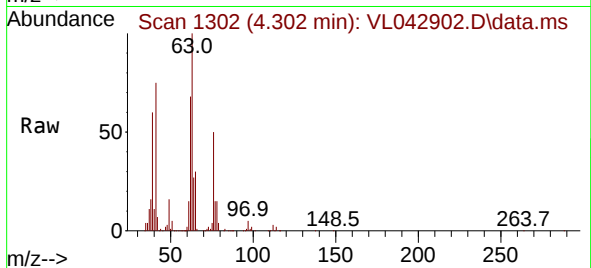
VL0908ABS01

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 15304 |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 41 74.6     | 55.0 82.4   |
| 62 67.7     | 54.4 81.6   |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#40

1,4-Dioxane

Concen: 10.138 ppbv

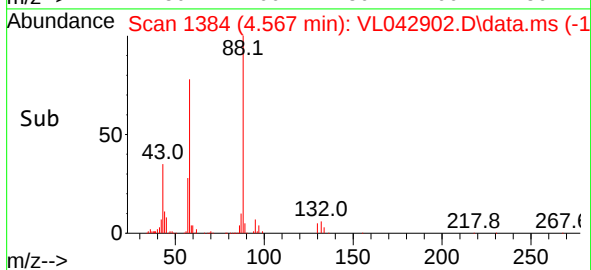
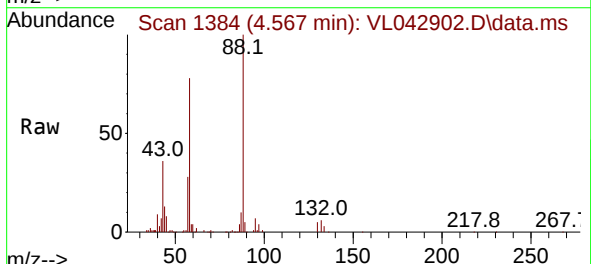
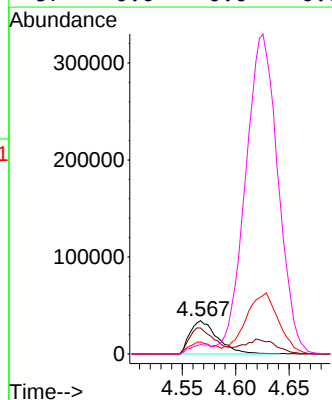
RT: 4.567 min Scan# 1384

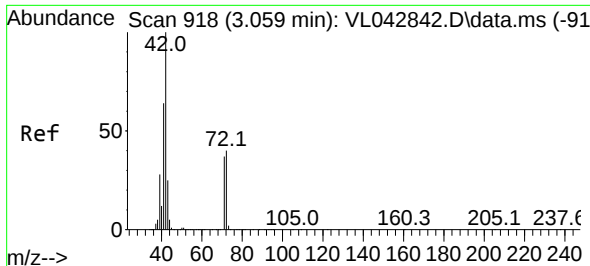
Delta R.T. 0.006 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

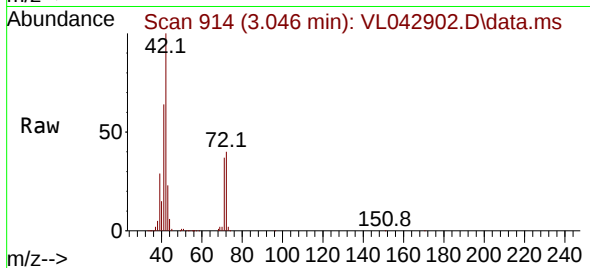
|             |             |
|-------------|-------------|
| Tgt Ion: 88 | Resp: 61682 |
| Ion Ratio   | Lower Upper |
| 88 100      |             |
| 58 75.9     | 53.8 80.6   |
| 43 36.0     | 22.8 34.2#  |
| 57 0.0      | 0.0 0.0     |





#41  
Tetrahydrofuran  
Concen: 11.927 ppbv  
RT: 3.046 min Scan# 918  
Delta R.T. 0.003 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

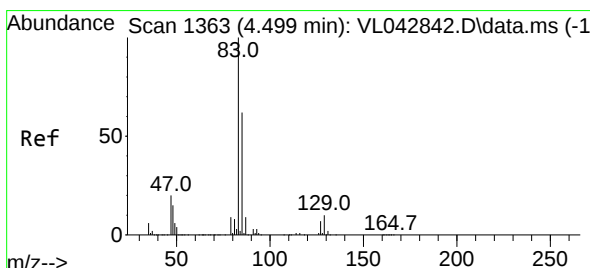
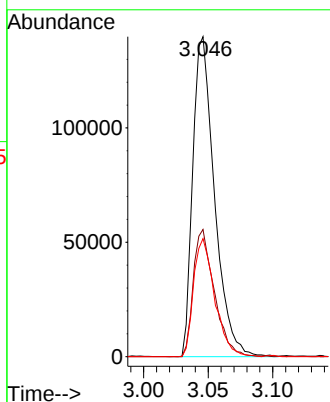
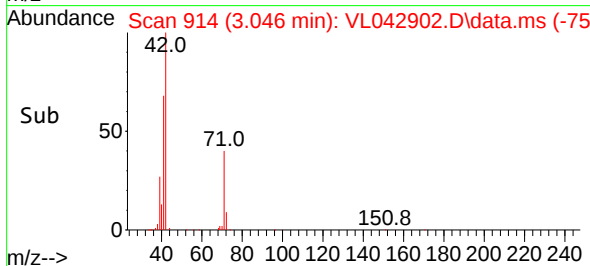
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABS01



Tgt Ion: 42 Resp: 164268  
Ion Ratio Lower Upper  
42 100  
72 38.6 32.6 48.8  
71 36.0 30.0 45.0

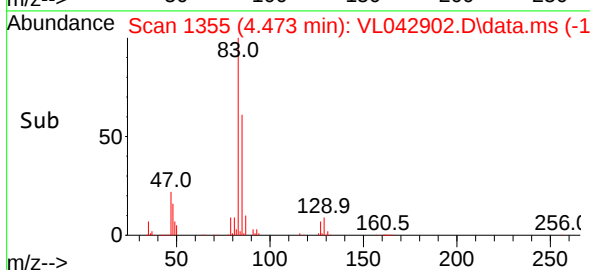
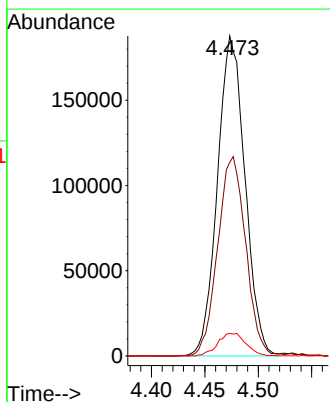
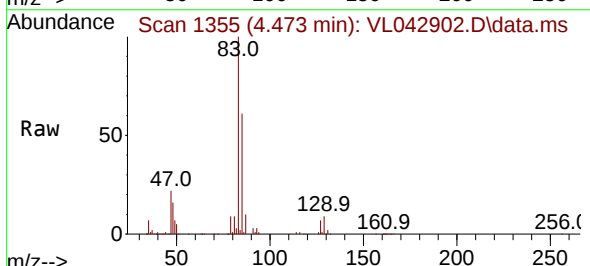
Manual Integrations  
APPROVED

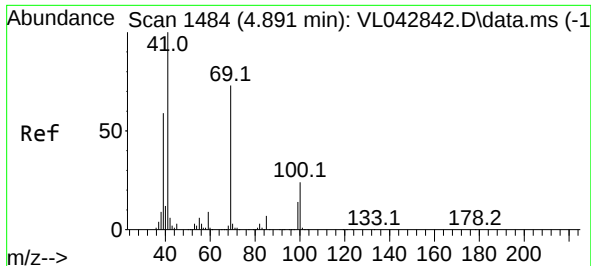
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#42  
Bromodichloromethane  
Concen: 12.351 ppbv  
RT: 4.473 min Scan# 1355  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

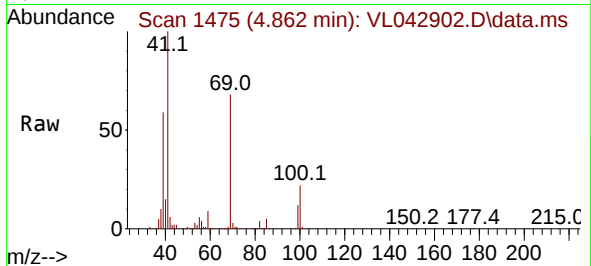
Tgt Ion: 83 Resp: 336858  
Ion Ratio Lower Upper  
83 100  
85 60.5 49.8 74.8  
127 7.0 5.8 8.6





#43  
Methyl Methacrylate  
Concen: 10.979 ppbv  
RT: 4.862 min Scan# 1484  
Delta R.T. 0.003 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

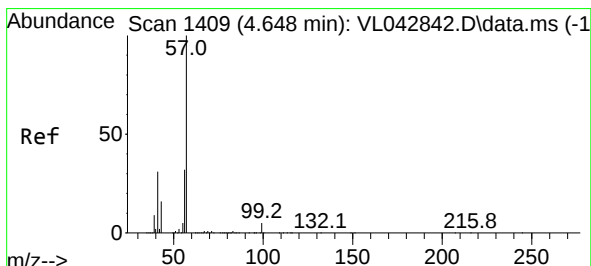
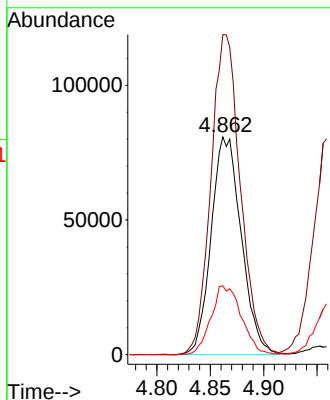
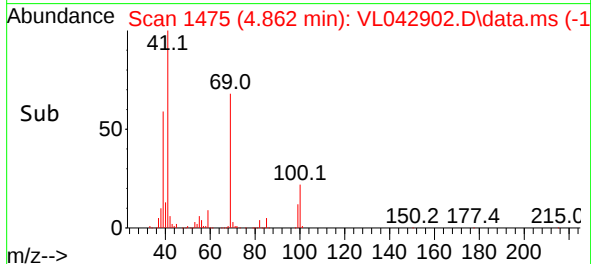
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABS01



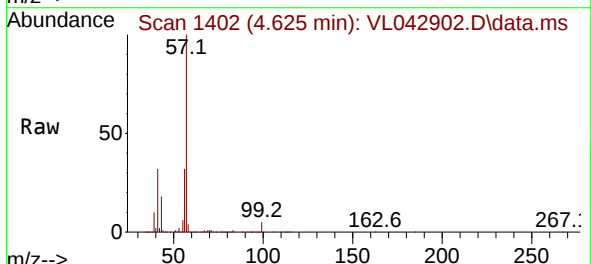
Tgt Ion: 69 Resp: 15845  
Ion Ratio Lower Upper  
69 100  
41 143.9 114.6 172.0  
100 32.1 30.2 45.4

Manual Integrations  
APPROVED

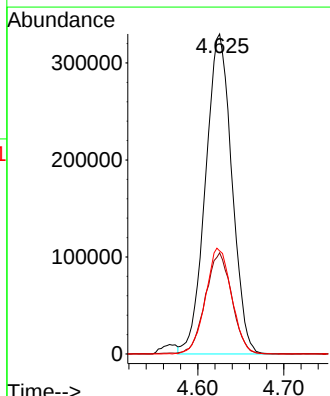
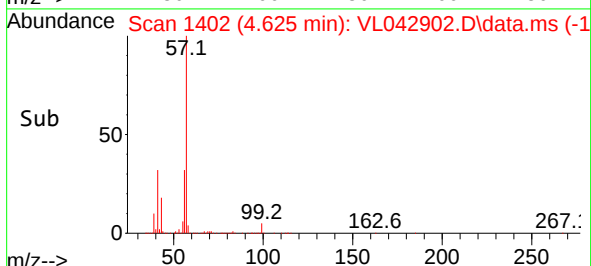
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025

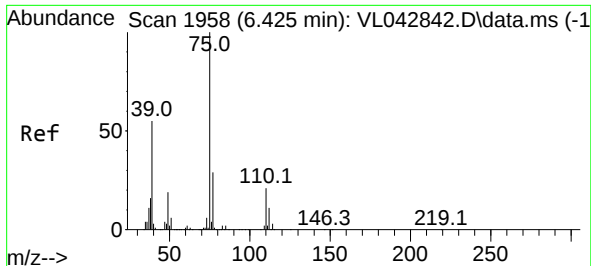


#44  
2,2,4-Trimethylpentane  
Concen: 11.797 ppbv  
RT: 4.625 min Scan# 1402  
Delta R.T. 0.003 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35



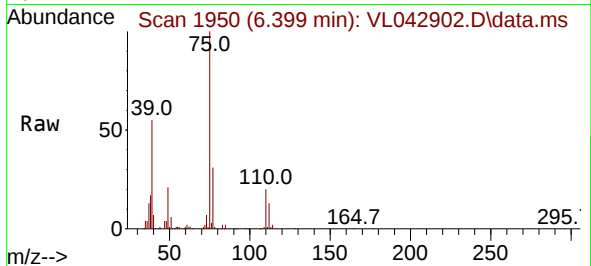
Tgt Ion: 57 Resp: 701486  
Ion Ratio Lower Upper  
57 100  
41 31.8 24.8 37.2  
56 32.7 25.5 38.3





#45  
 t-1,3-Dichloropropene  
 Concen: 10.403 ppbv  
 RT: 6.399 min Scan# 16943  
 Delta R.T. 0.006 min  
 Lab File: VL042902.D  
 Acq: 08 Sep 2025 13:35

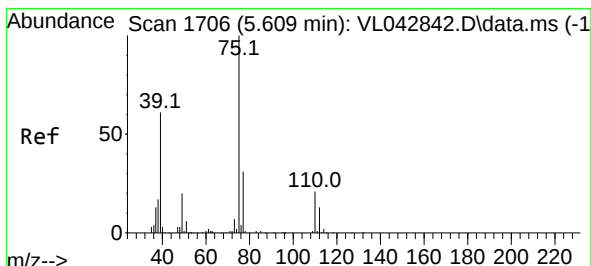
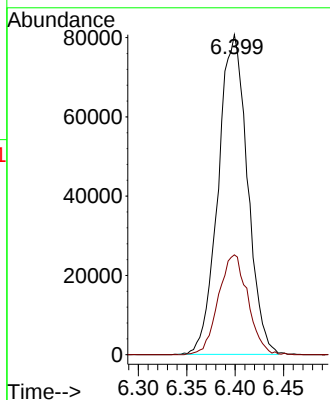
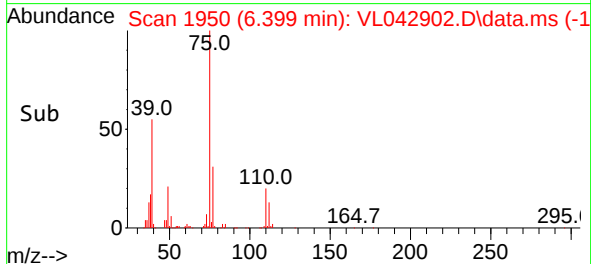
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0908ABS01



Tgt Ion: 75 Resp: 16943  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 23.8 35.6

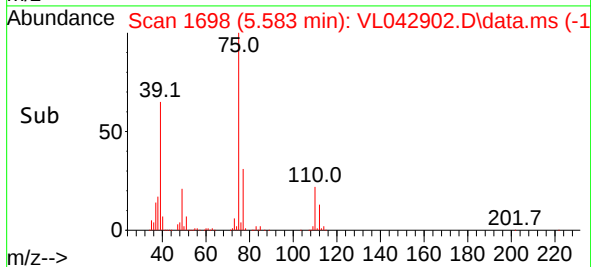
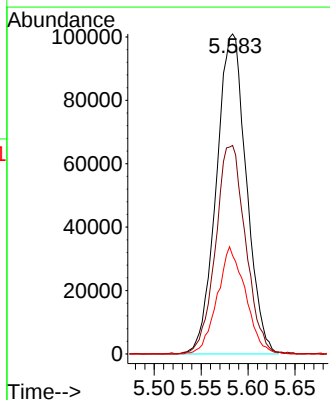
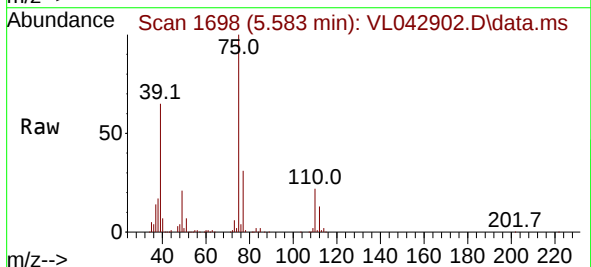
Manual Integrations  
 APPROVED

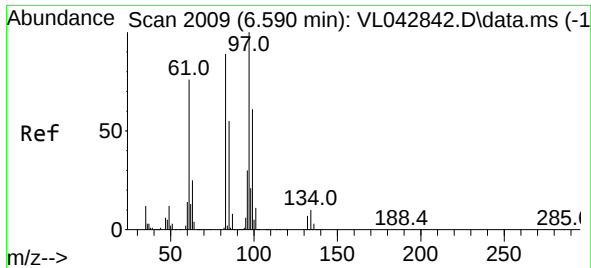
Reviewed By :Semsettin Yesilyurt 09/09/2025  
 Supervised By :Mahesh Dadoda 09/11/2025



#46  
 cis-1,3-Dichloropropene  
 Concen: 11.031 ppbv  
 RT: 5.583 min Scan# 1698  
 Delta R.T. 0.003 min  
 Lab File: VL042902.D  
 Acq: 08 Sep 2025 13:35

Tgt Ion: 75 Resp: 223871  
 Ion Ratio Lower Upper  
 75 100  
 39 65.0 48.9 73.3  
 77 30.8 24.9 37.3





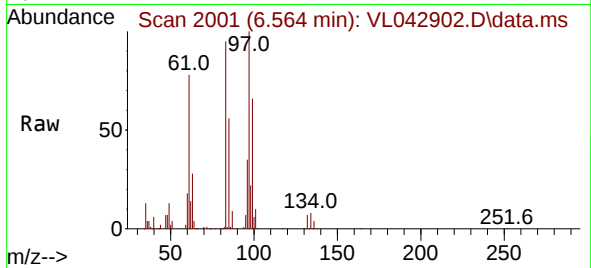
#47  
1,1,2-Trichloroethane  
Concen: 11.541 ppbv  
RT: 6.564 min Scan# 2009  
Delta R.T. 0.003 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Instrument :

MSVOA\_L

ClientSampleId :

VL0908ABS01

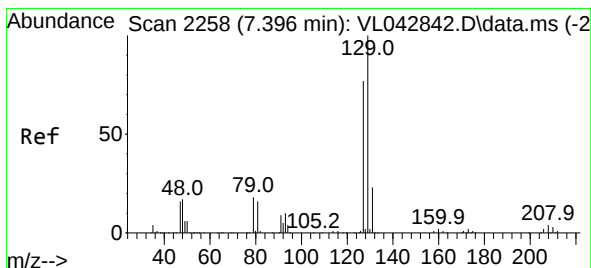
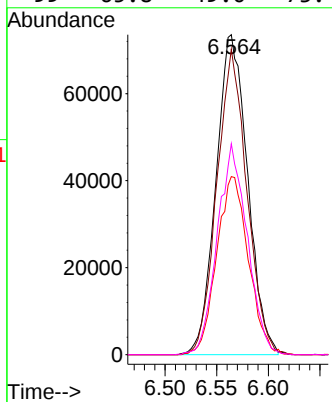
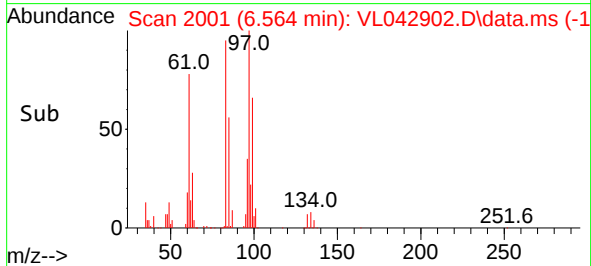


Tgt Ion: 97 Resp: 156460  
Ion Ratio Lower Upper  
97 100  
83 95.5 71.0 106.4  
85 55.6 43.6 65.4  
99 65.8 49.0 73.4

Manual Integrations

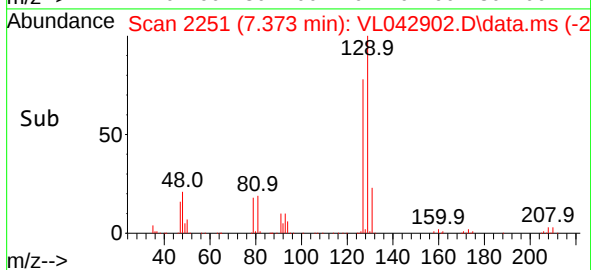
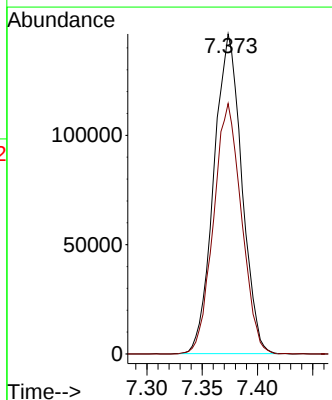
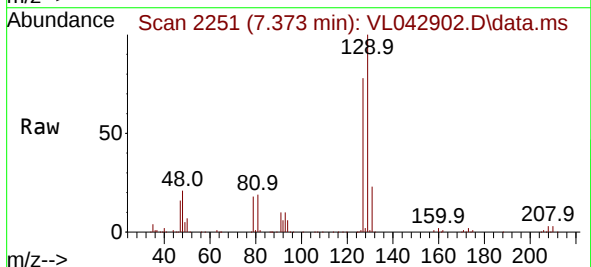
APPROVED

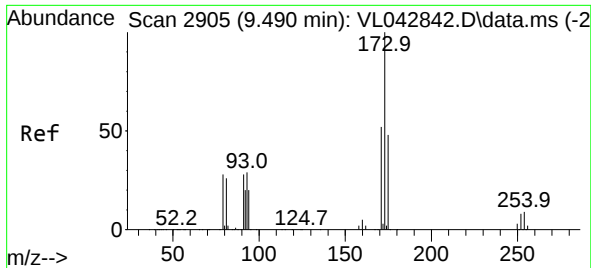
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#48  
Dibromochloromethane  
Concen: 11.712 ppbv  
RT: 7.373 min Scan# 2251  
Delta R.T. 0.003 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Tgt Ion:129 Resp: 256923  
Ion Ratio Lower Upper  
129 100  
127 78.3 39.4 118.2





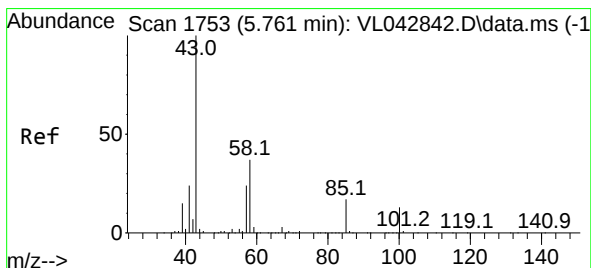
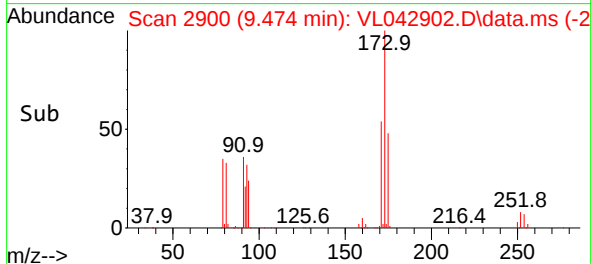
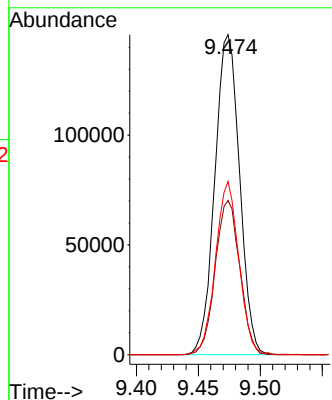
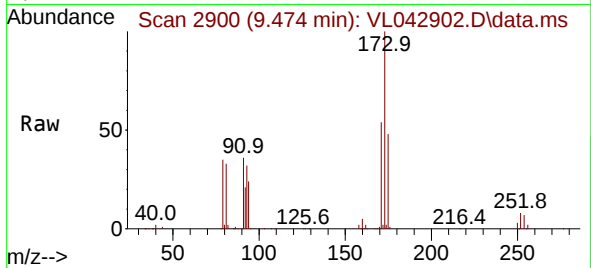
#49  
Bromoform  
Concen: 11.222 ppbv  
RT: 9.474 min Scan# 2905  
Delta R.T. 0.003 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABS01

Tgt Ion:173 Resp: 203018  
Ion Ratio Lower Upper  
173 100  
175 47.9 39.2 58.8  
171 51.1 41.3 61.9

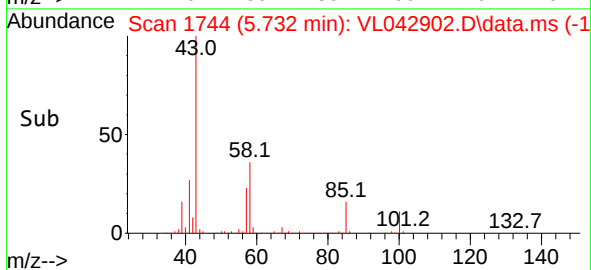
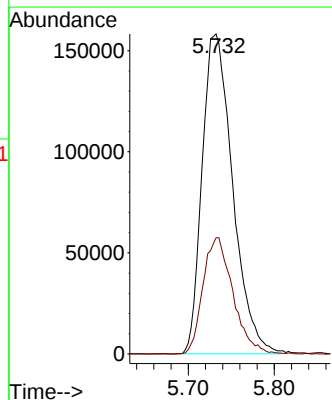
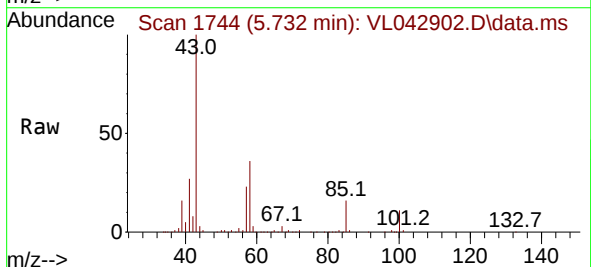
Manual Integrations  
APPROVED

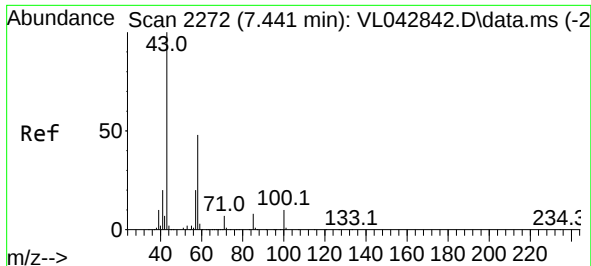
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#50  
4-Methyl-2-Pentanone  
Concen: 11.688 ppbv  
RT: 5.732 min Scan# 1744  
Delta R.T. 0.003 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

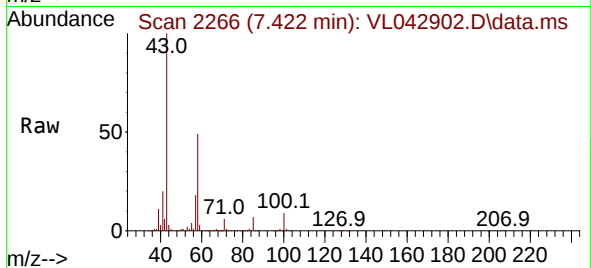
Tgt Ion: 43 Resp: 390291  
Ion Ratio Lower Upper  
43 100  
58 35.7 29.8 44.8





#51  
2-Hexanone  
Concen: 11.858 ppbv  
RT: 7.422 min Scan# 21158  
Delta R.T. 0.003 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

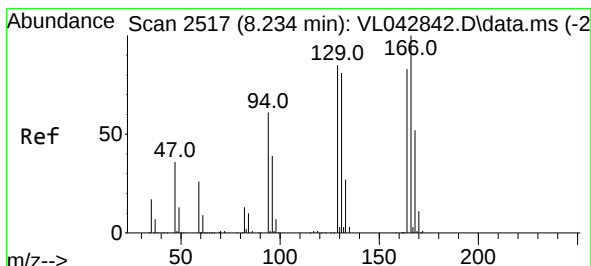
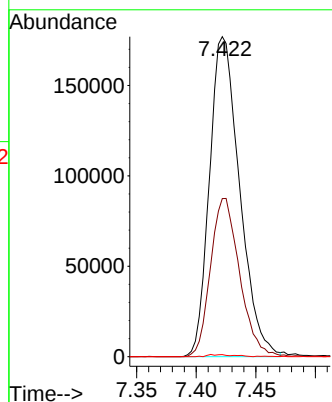
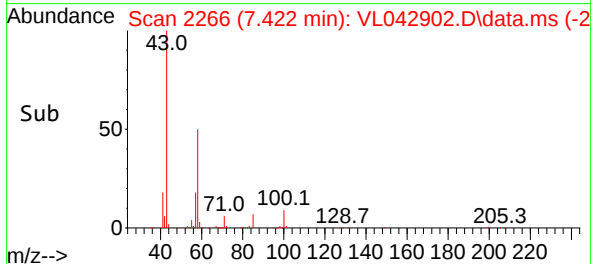
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABS01



Tgt Ion: 43 Resp: 31158  
Ion Ratio Lower Upper  
43 100  
58 47.8 41.0 61.6  
98 0.6 0.1 0.1

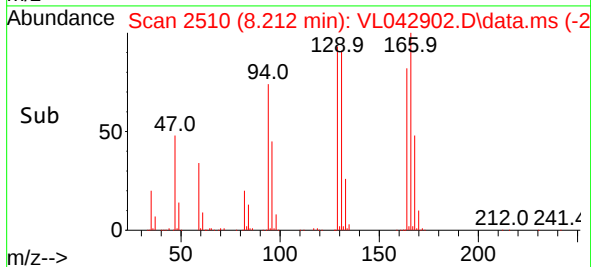
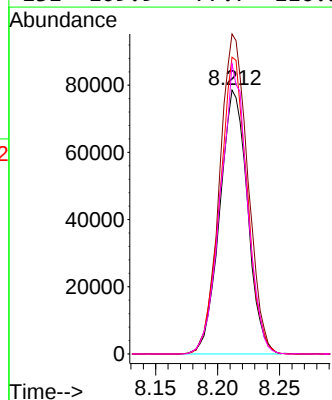
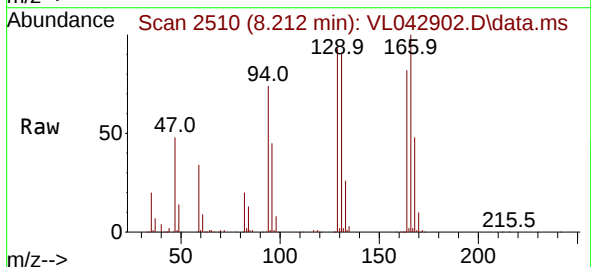
Manual Integrations  
APPROVED

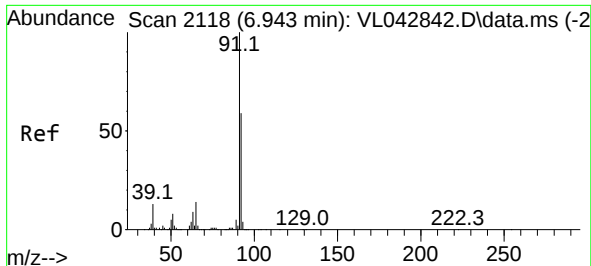
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#52  
Tetrachloroethene  
Concen: 9.644 ppbv  
RT: 8.212 min Scan# 2510  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Tgt Ion:164 Resp: 122229  
Ion Ratio Lower Upper  
164 100  
166 121.3 96.5 144.7  
129 112.5 81.8 122.6  
131 109.9 77.7 116.5





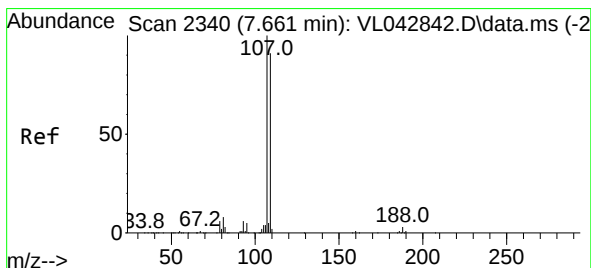
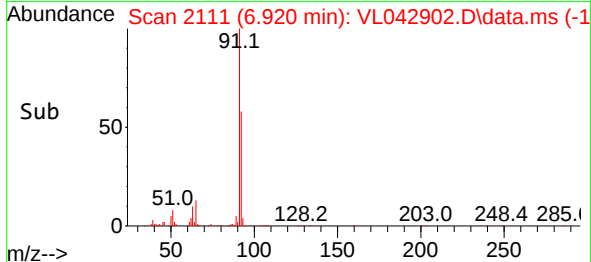
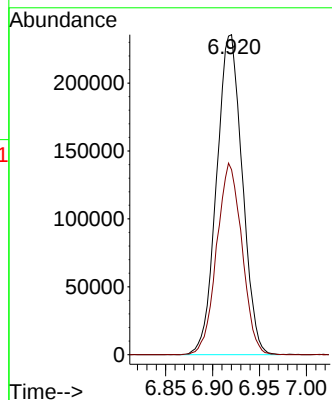
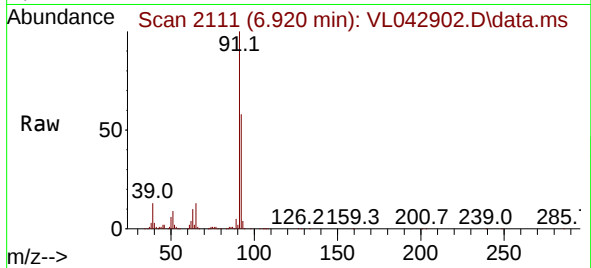
#53  
Toluene  
Concen: 10.752 ppbv  
RT: 6.920 min Scan# 2111  
Delta R.T. 0.006 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABS01

Tgt Ion: 91 Resp: 447844  
Ion Ratio Lower Upper  
91 100  
92 58.9 47.8 71.6

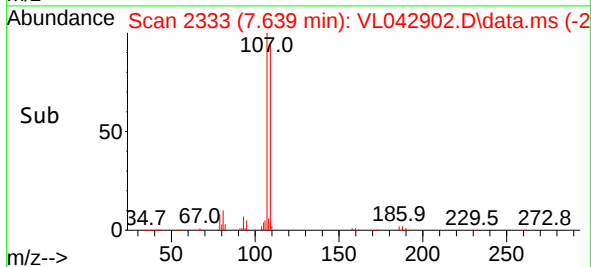
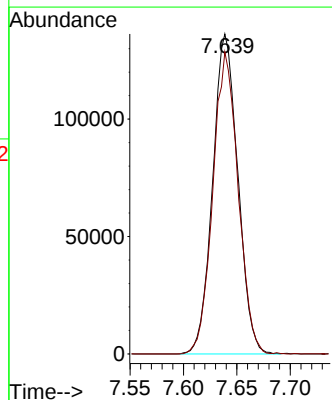
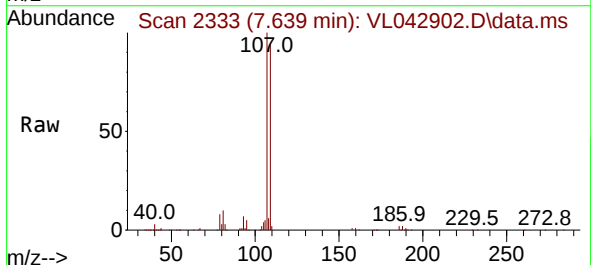
Manual Integrations  
APPROVED

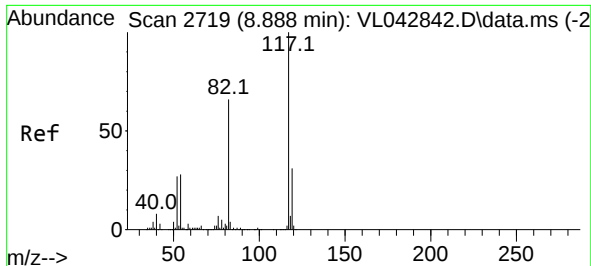
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#54  
1,2-Dibromoethane  
Concen: 11.277 ppbv  
RT: 7.639 min Scan# 2333  
Delta R.T. 0.003 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Tgt Ion:107 Resp: 223417  
Ion Ratio Lower Upper  
107 100  
109 94.3 72.5 108.7





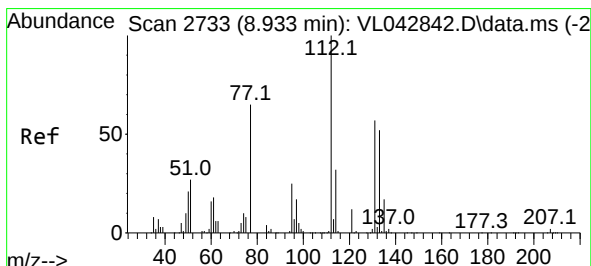
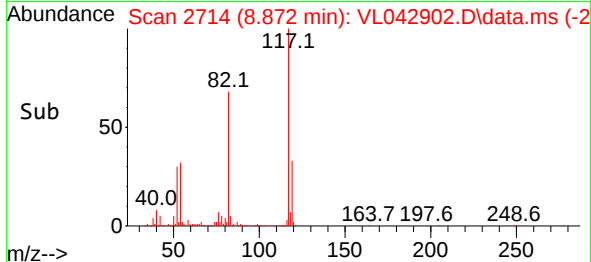
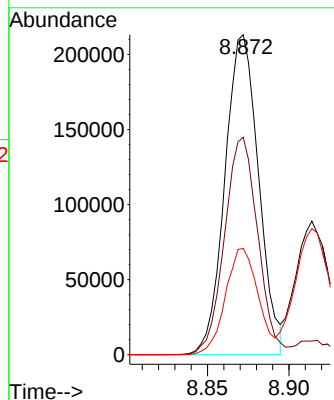
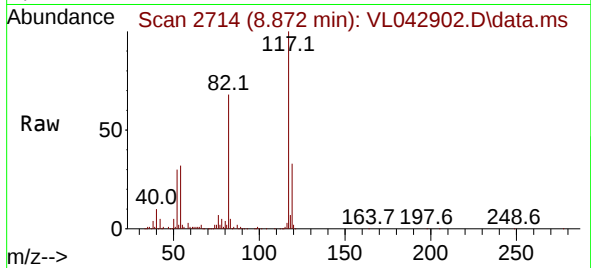
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.872 min Scan# 2714  
Delta R.T. 0.003 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABS01

Tgt Ion:117 Resp: 30638  
Ion Ratio Lower Upper  
117 100  
82 71.5 54.6 81.8  
119 32.3 25.9 38.9

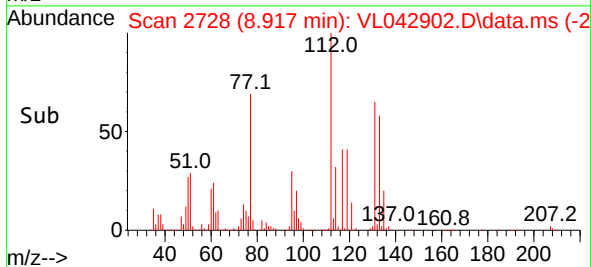
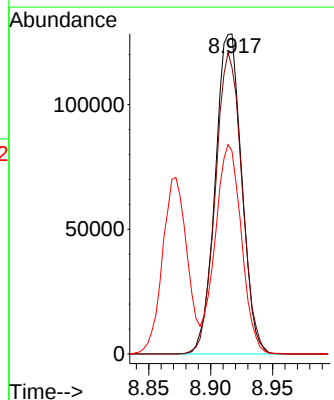
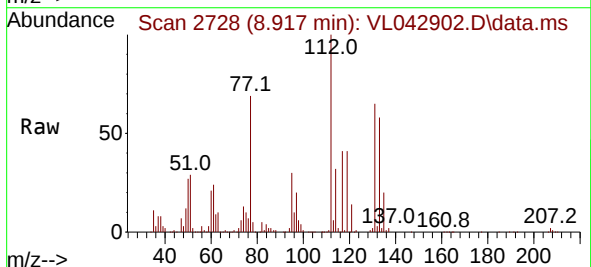
Manual Integrations  
APPROVED

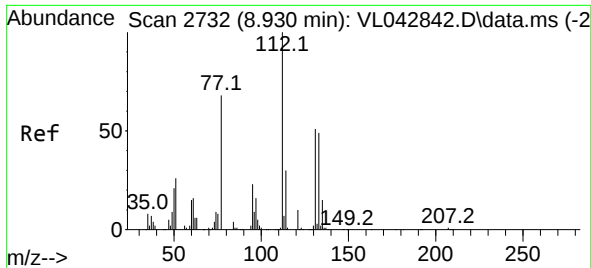
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#56  
1,1,1,2-Tetrachloroethane  
Concen: 12.050 ppbv  
RT: 8.917 min Scan# 2728  
Delta R.T. 0.003 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Tgt Ion:131 Resp: 190922  
Ion Ratio Lower Upper  
131 100  
133 94.5 77.4 116.0  
119 64.9 51.2 76.8





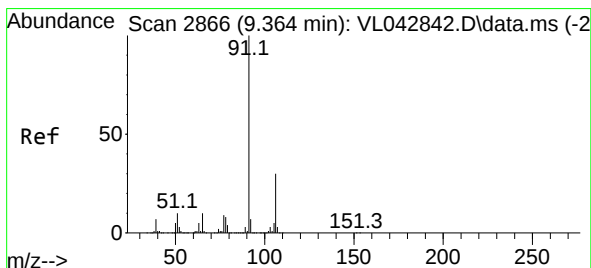
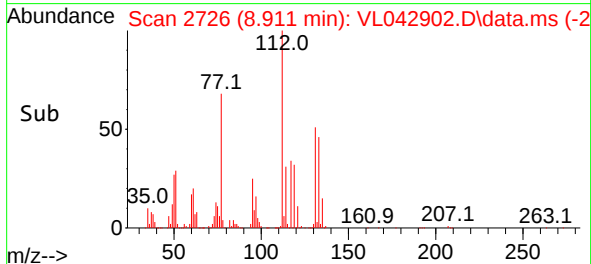
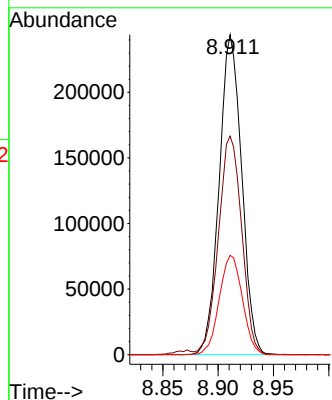
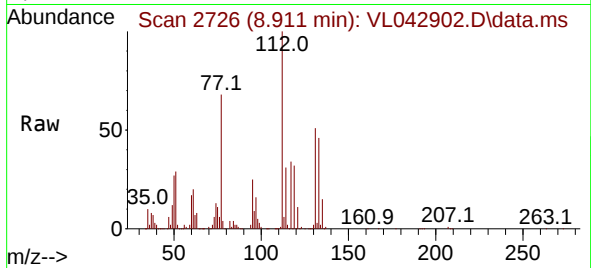
#57  
Chlorobenzene  
Concen: 11.855 ppbv  
RT: 8.911 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABS01

Tgt Ion:112 Resp: 34534  
Ion Ratio Lower Upper  
112 100  
77 68.3 55.5 83.3  
114 31.0 27.2 33.2

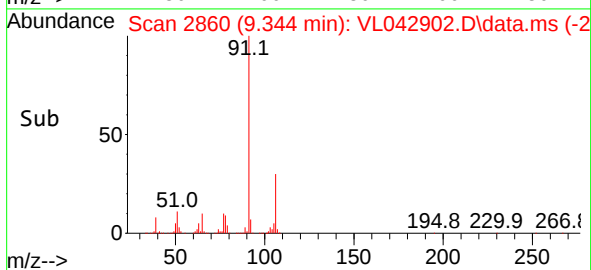
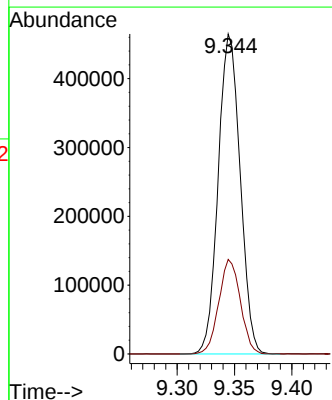
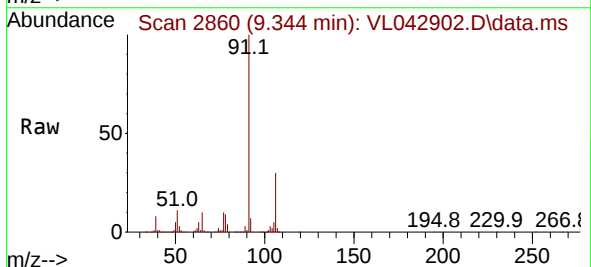
Manual Integrations  
APPROVED

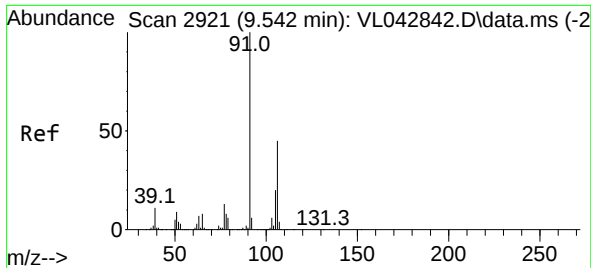
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#58  
Ethyl Benzene  
Concen: 11.442 ppbv  
RT: 9.344 min Scan# 2860  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Tgt Ion: 91 Resp: 618650  
Ion Ratio Lower Upper  
91 100  
106 29.6 23.9 35.9





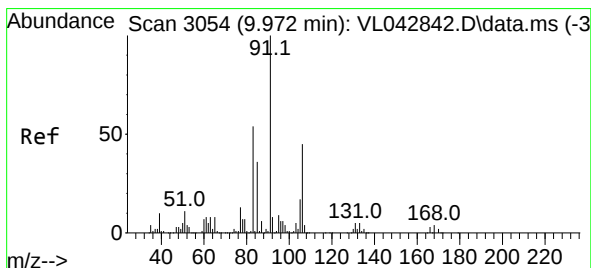
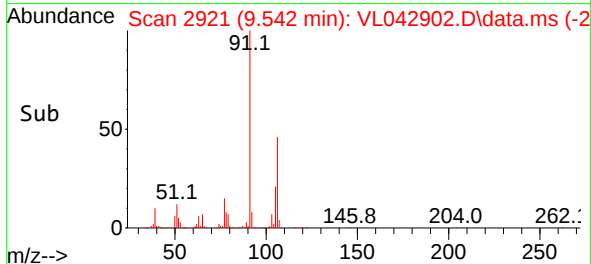
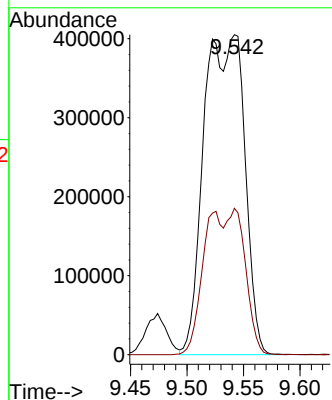
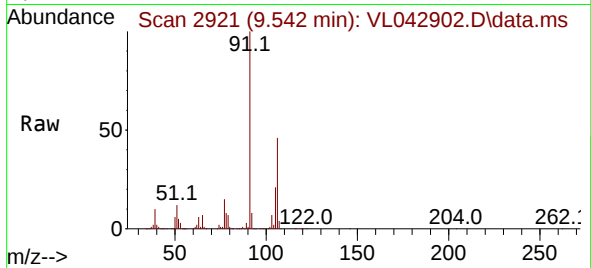
#59  
m/p-Xylene  
Concen: 23.968 ppbv m  
RT: 9.542 min Scan# 2921  
Delta R.T. 0.003 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABS01

Tgt Ion: 91 Resp: 1015739  
Ion Ratio Lower Upper  
91 100  
106 45.2 0.0 0.0

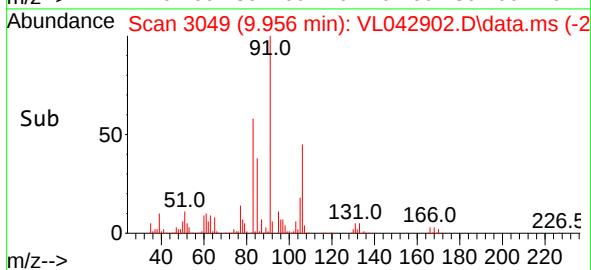
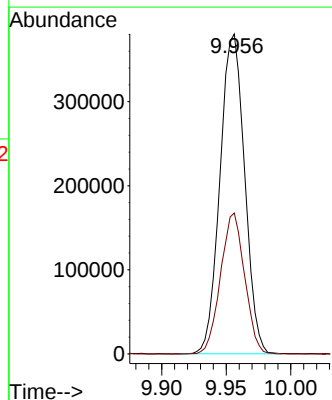
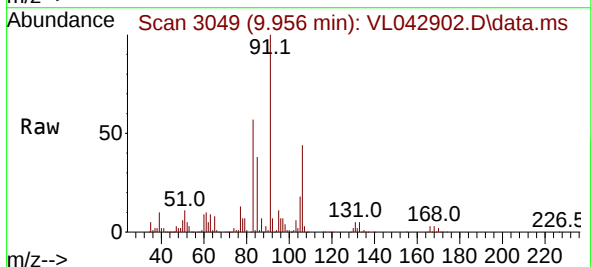
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#60  
o-Xylene  
Concen: 11.844 ppbv  
RT: 9.956 min Scan# 3049  
Delta R.T. 0.003 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Tgt Ion: 91 Resp: 504922  
Ion Ratio Lower Upper  
91 100  
106 43.0 21.8 65.4





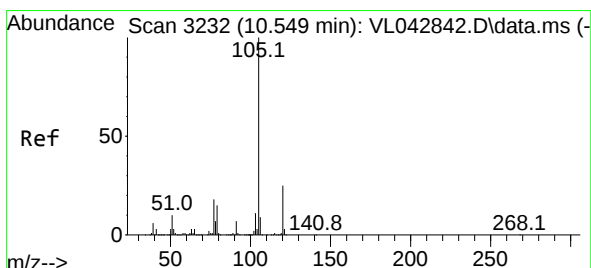
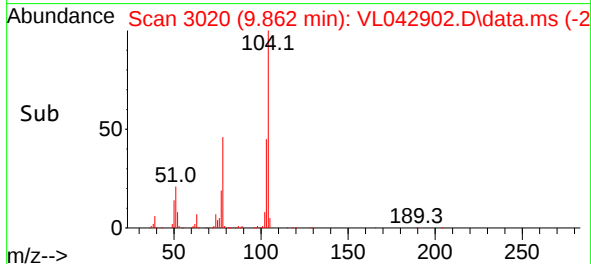
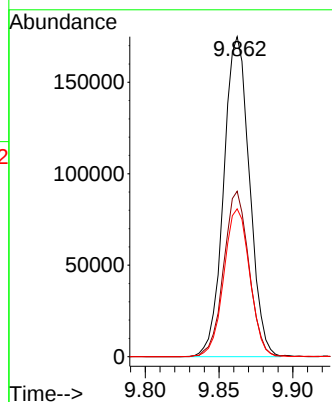
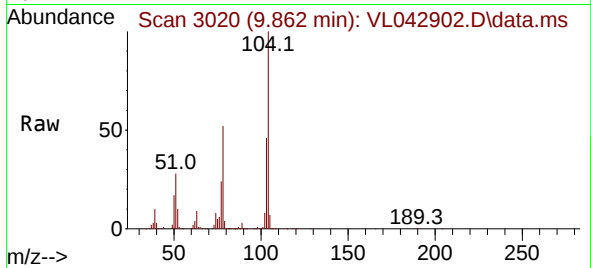
#61  
Styrene  
Concen: 10.644 ppbv  
RT: 9.862 min Scan# 3025  
Delta R.T. 0.003 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABS01

Tgt Ion:104 Resp: 212594  
Ion Ratio Lower Upper  
104 100  
78 50.7 40.6 61.0  
103 46.6 37.7 56.5

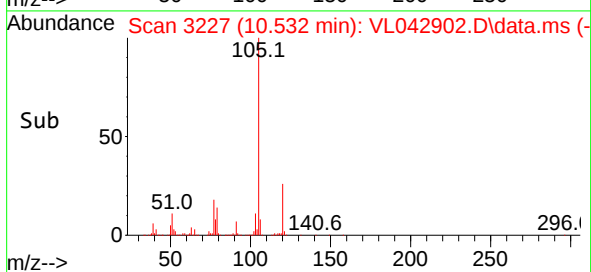
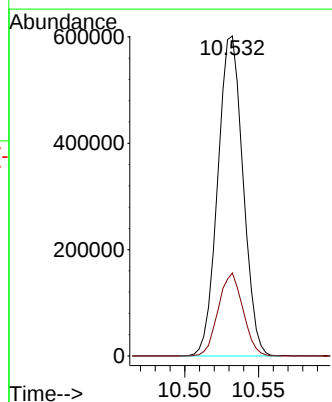
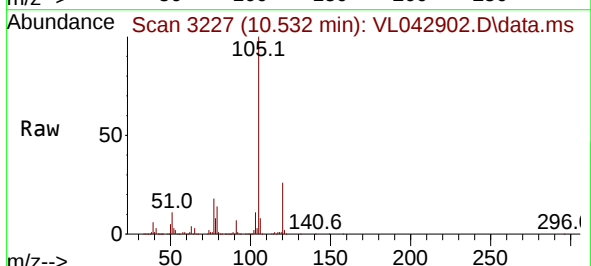
Manual Integrations  
APPROVED

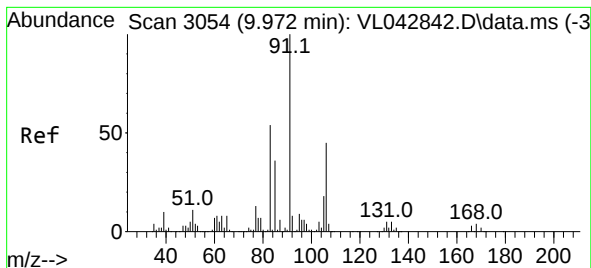
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#62  
Isopropylbenzene  
Concen: 11.521 ppbv  
RT: 10.532 min Scan# 3227  
Delta R.T. 0.003 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

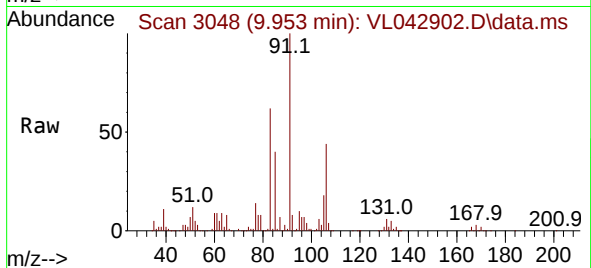
Tgt Ion:105 Resp: 717761  
Ion Ratio Lower Upper  
105 100  
120 25.3 20.6 30.8





#63  
1,1,2,2-Tetrachloroethane  
Concen: 12.588 ppbv  
RT: 9.953 min Scan# 3054  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

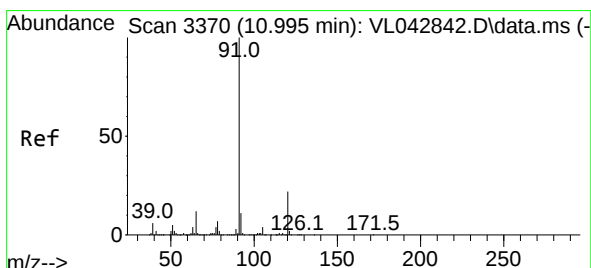
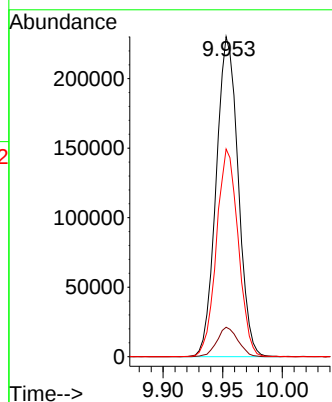
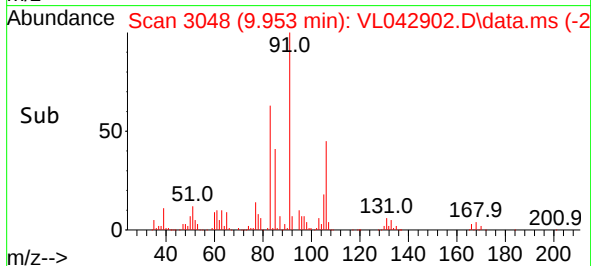
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABS01



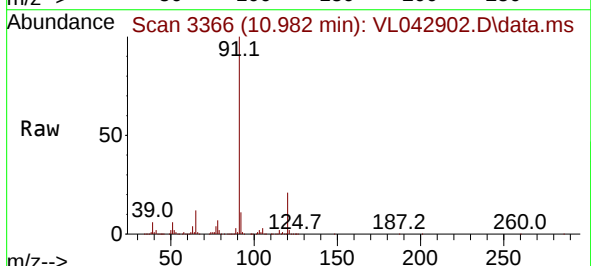
Tgt Ion: 83 Resp: 29511  
Ion Ratio Lower Upper  
83 100  
131 8.8 4.8 14.3  
85 64.3 32.3 96.8

Manual Integrations  
APPROVED

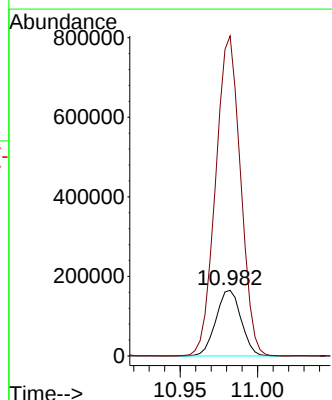
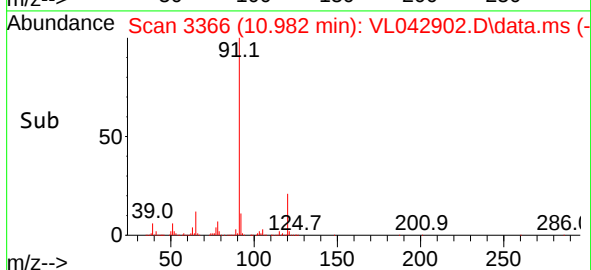
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025

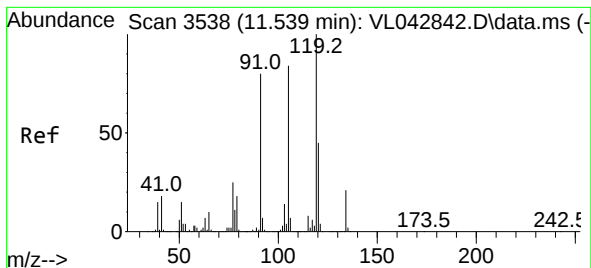


#64  
n-propylbenzene  
Concen: 11.717 ppbv  
RT: 10.982 min Scan# 3366  
Delta R.T. 0.003 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35



Tgt Ion:120 Resp: 186258  
Ion Ratio Lower Upper  
120 100  
91 484.6 375.8 563.6





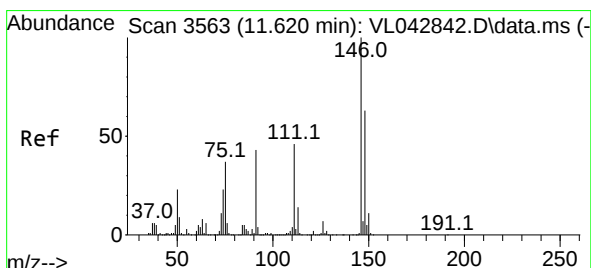
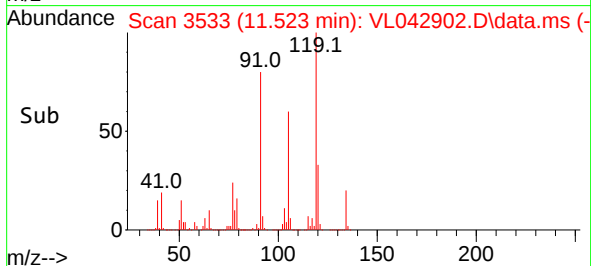
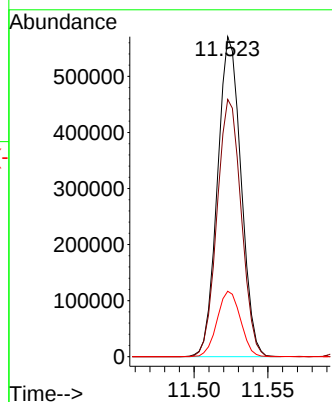
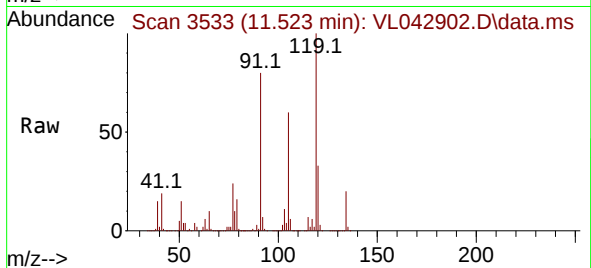
#65  
tert-Butylbenzene  
Concen: 11.541 ppbv  
RT: 11.523 min Scan# 3538  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Instrument : MSVOA\_L  
ClientSampleId : VL0908ABS01

Tgt Ion: 119 Resp: 633844  
Ion Ratio Lower Upper  
119 100  
91 82.5 63.9 95.9  
134 20.3 17.0 25.4

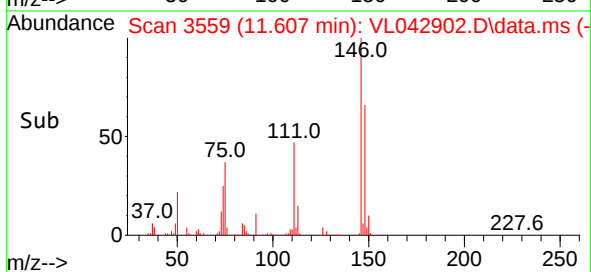
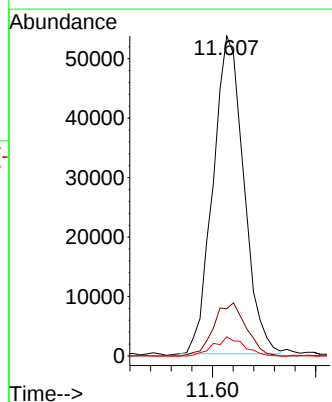
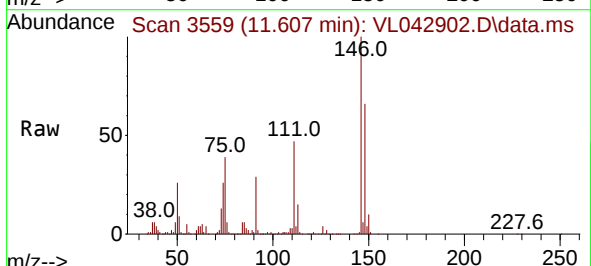
Manual Integrations  
APPROVED

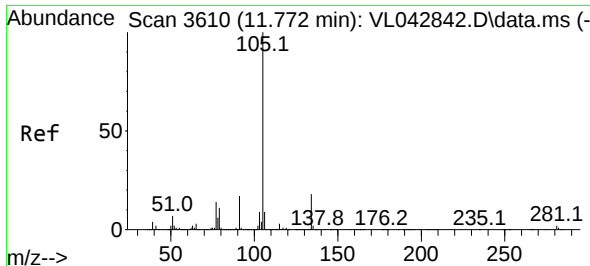
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#66  
Benzyl Chloride  
Concen: 7.954 ppbv  
RT: 11.607 min Scan# 3559  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

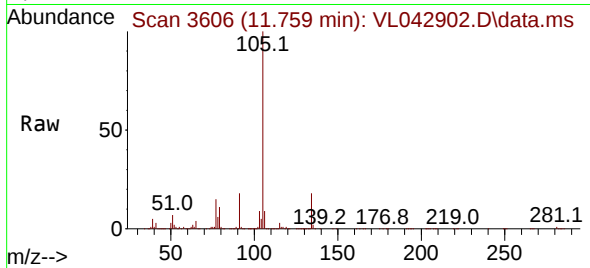
Tgt Ion: 91 Resp: 55458  
Ion Ratio Lower Upper  
91 100  
126 17.6 14.2 21.4  
128 5.9 5.0 7.6





#67  
 sec-Butylbenzene  
 Concen: 11.739 ppbv  
 RT: 11.759 min Scan# 30  
 Delta R.T. -0.000 min  
 Lab File: VL042902.D  
 Acq: 08 Sep 2025 13:35

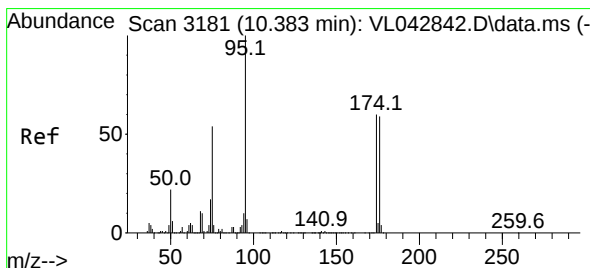
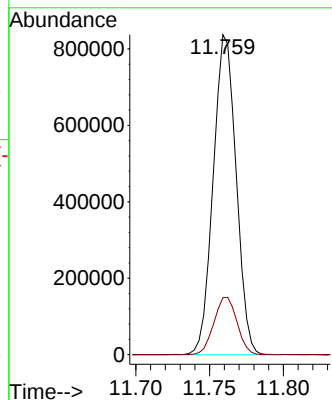
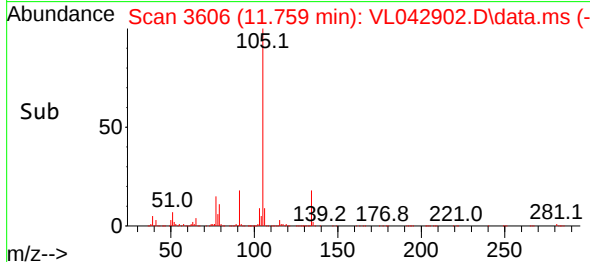
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0908ABS01



Tgt Ion:105 Resp: 90497  
 Ion Ratio Lower Upper  
 105 100  
 134 18.2 14.9 22.3

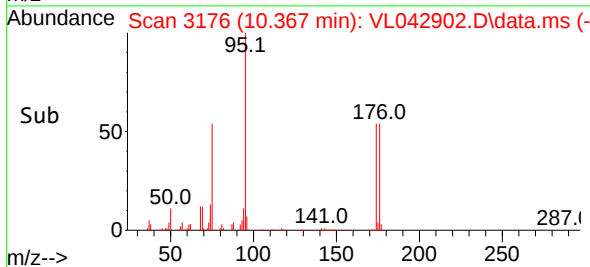
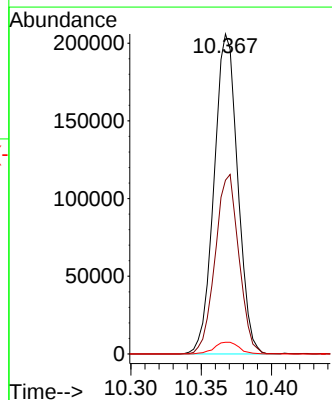
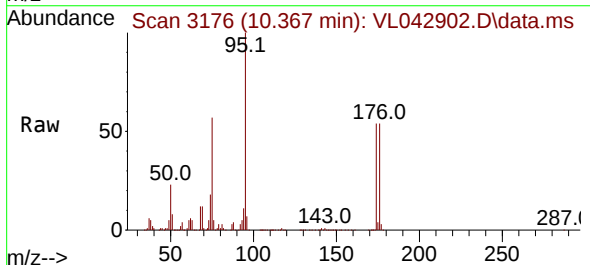
Manual Integrations  
 APPROVED

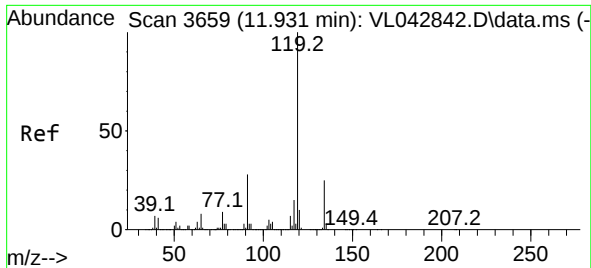
Reviewed By :Semsettin Yesilyurt 09/09/2025  
 Supervised By :Mahesh Dadoda 09/11/2025



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.481 ppbv  
 RT: 10.367 min Scan# 3176  
 Delta R.T. 0.003 min  
 Lab File: VL042902.D  
 Acq: 08 Sep 2025 13:35

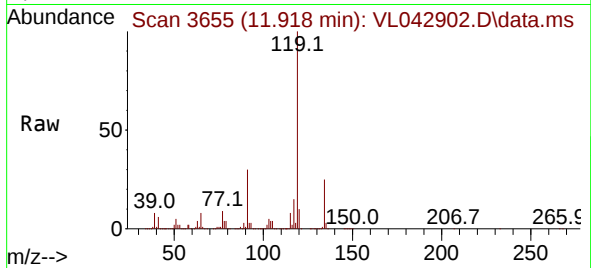
Tgt Ion: 95 Resp: 240840  
 Ion Ratio Lower Upper  
 95 100  
 174 56.6 48.4 72.6  
 175 3.8 3.8 5.8





#69  
p-Isopropyltoluene  
Concen: 11.229 ppbv  
RT: 11.918 min Scan# 3655  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

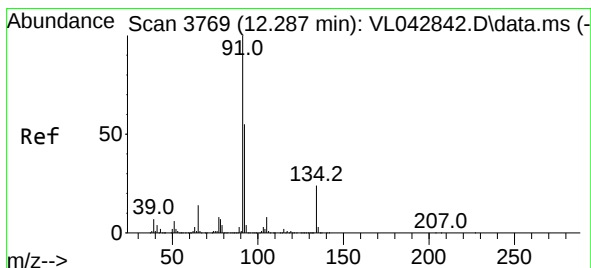
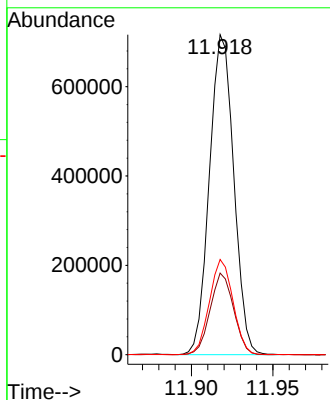
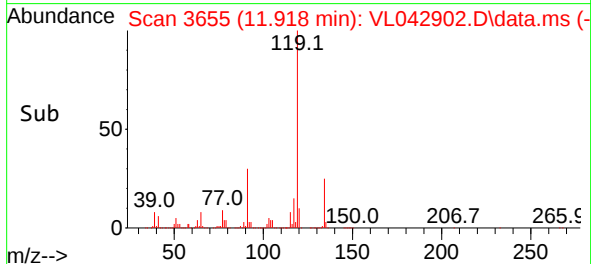
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABS01



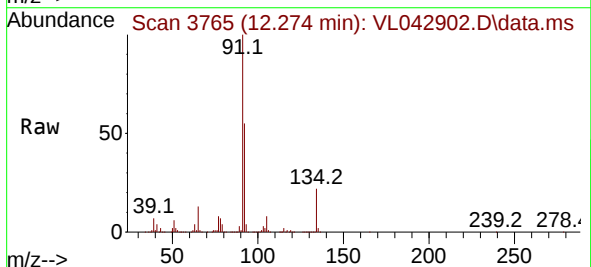
Tgt Ion:119 Resp: 743217  
Ion Ratio Lower Upper  
119 100  
134 24.6 20.6 30.8  
91 28.9 22.6 34.0

Manual Integrations  
APPROVED

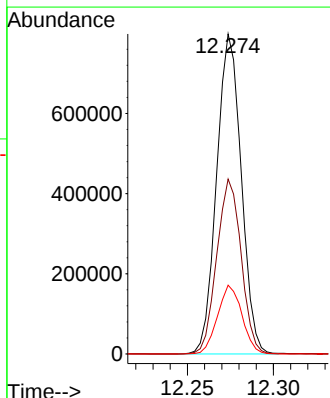
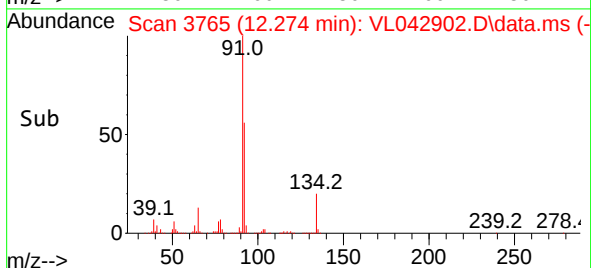
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025

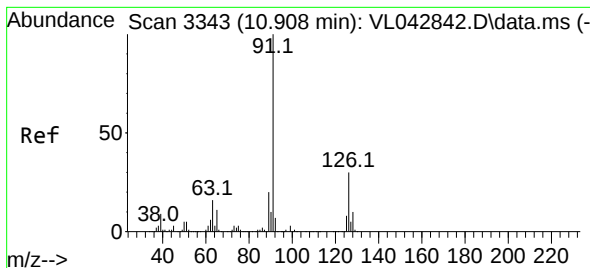


#70  
n-Butylbenzene  
Concen: 12.084 ppbv  
RT: 12.274 min Scan# 3765  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35



Tgt Ion: 91 Resp: 793205  
Ion Ratio Lower Upper  
91 100  
92 54.3 44.6 66.8  
134 21.4 19.0 28.4





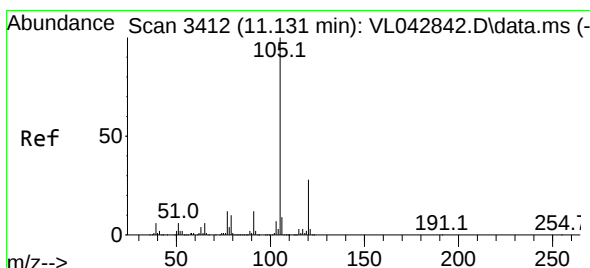
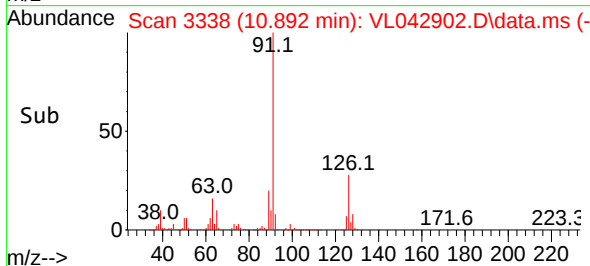
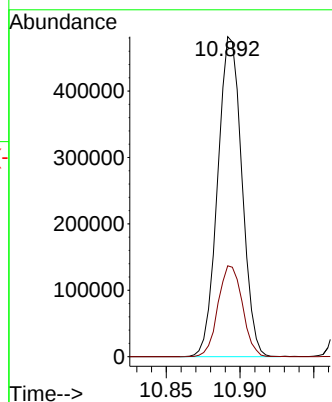
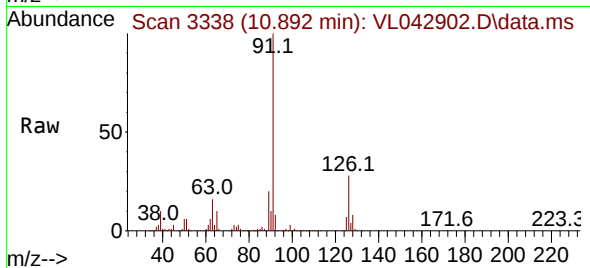
#71  
2-Chlorotoluene  
Concen: 11.398 ppbv  
RT: 10.892 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABS01

Tgt Ion: 91 Resp: 551398  
Ion Ratio Lower Upper  
91 100  
126 28.5 12.0 47.8

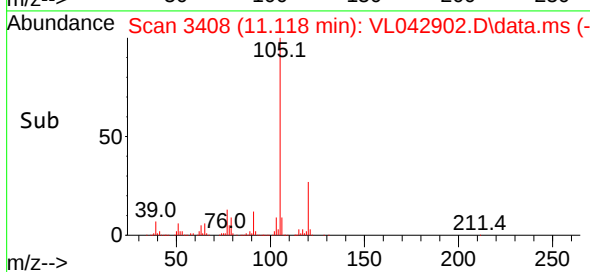
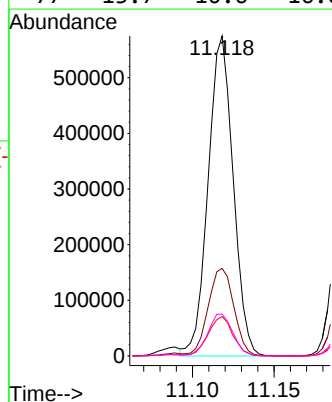
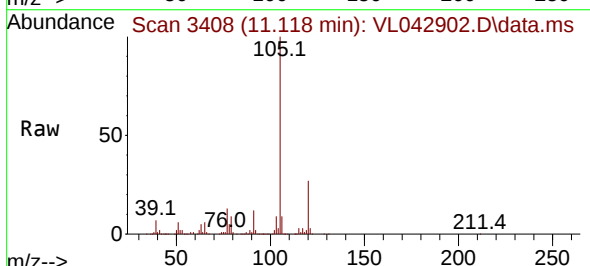
Manual Integrations  
APPROVED

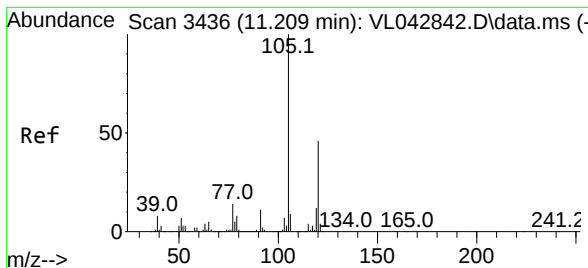
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#72  
4-Ethyltoluene  
Concen: 11.871 ppbv  
RT: 11.118 min Scan# 3408  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Tgt Ion:105 Resp: 613510  
Ion Ratio Lower Upper  
105 100  
120 28.9 23.4 35.2  
91 12.5 9.8 14.6  
77 13.7 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 11.496 ppbv

RT: 11.196 min Scan# 3436

Delta R.T. -0.000 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Instrument :

MSVOA\_L

ClientSampleId :

VL0908ABS01

Tgt Ion:105 Resp: 50522

Ion Ratio Lower Upper

105 100

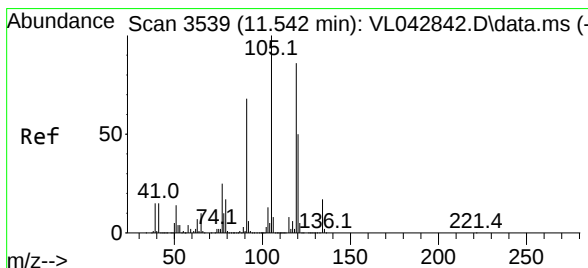
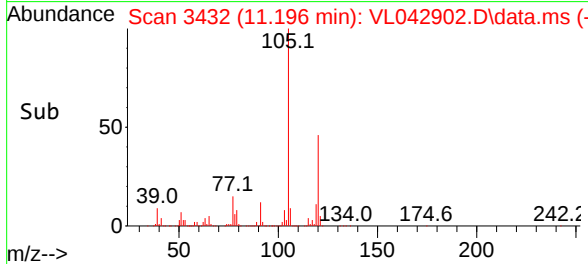
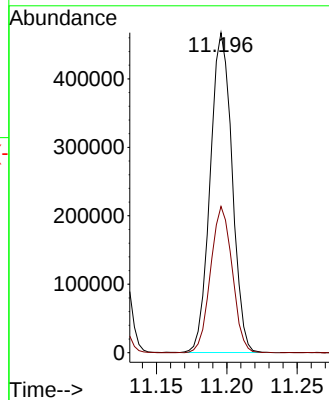
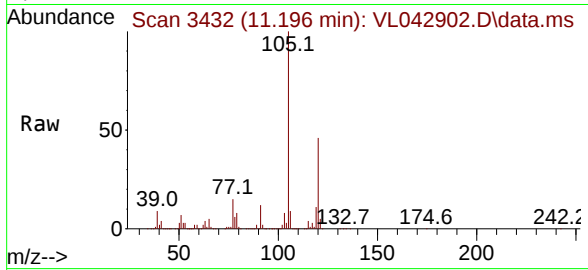
120 45.7 36.6 54.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025

Supervised By :Mahesh Dadoda 09/11/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.668 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. -0.000 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Tgt Ion:105 Resp: 562868

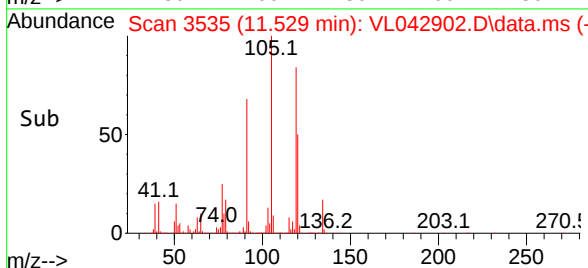
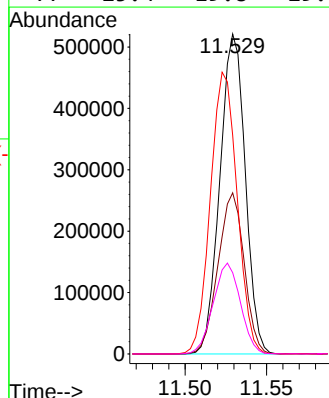
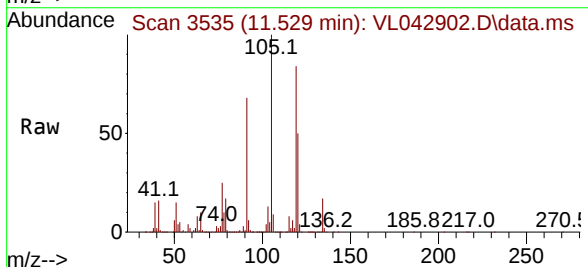
Ion Ratio Lower Upper

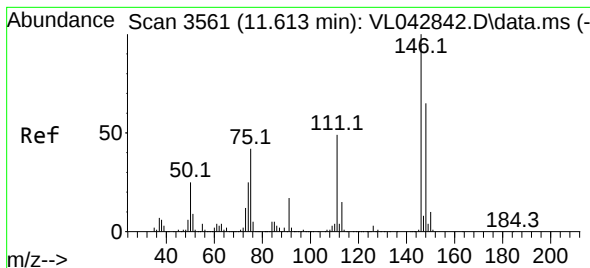
105 100

120 50.3 39.8 59.6

91 68.3 54.2 81.4

77 25.4 19.8 29.6





#75

1,3-Dichlorobenzene

Concen: 11.778 ppbv

RT: 11.600 min Scan# 3557

Delta R.T. 0.003 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Instrument :

MSVOA\_L

ClientSampleId :

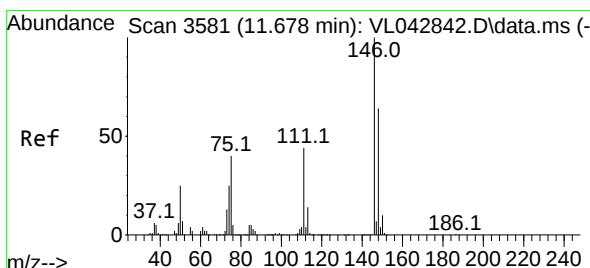
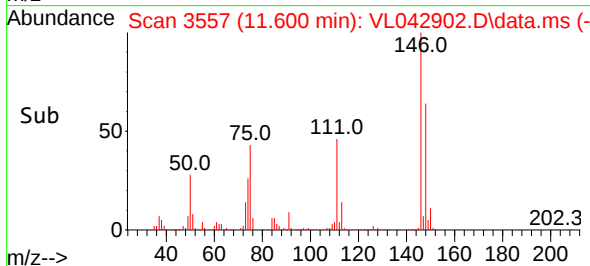
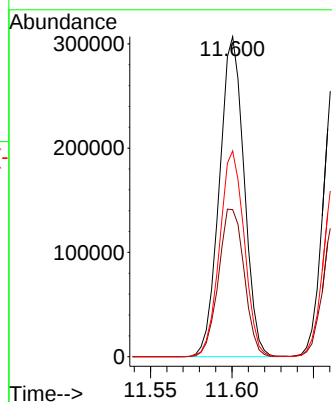
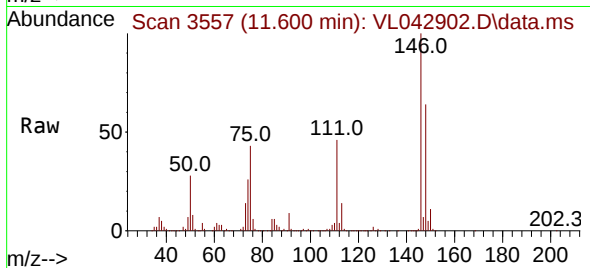
VL0908ABS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 322979 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 48.0  | 23.9  | 71.7   |
| 148       | 64.2  | 31.4  | 94.0   |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#76

1,4-Dichlorobenzene

Concen: 11.563 ppbv

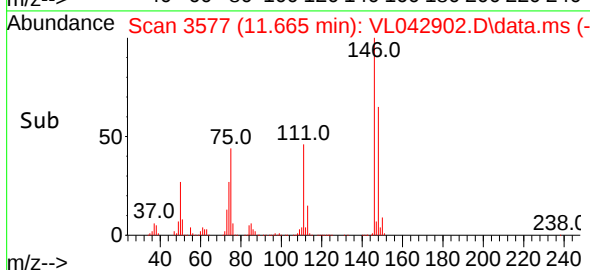
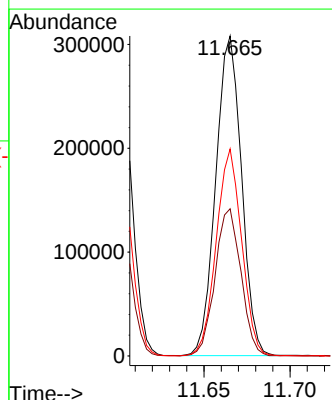
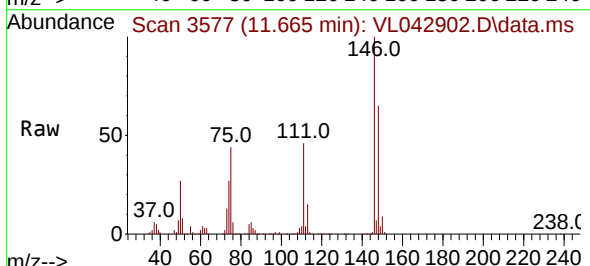
RT: 11.665 min Scan# 3577

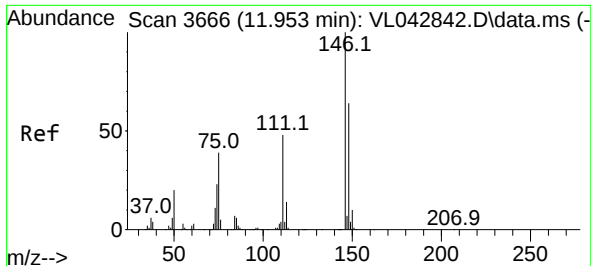
Delta R.T. 0.003 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

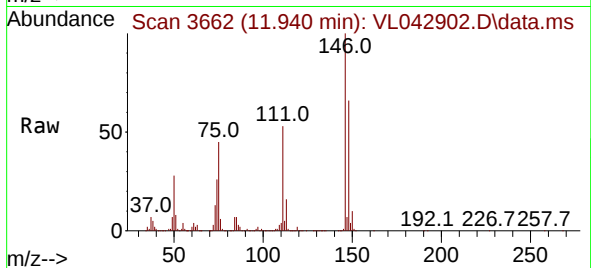
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 320689 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 46.3  | 22.7  | 68.1   |
| 148       | 64.1  | 31.8  | 95.3   |





#77  
1,2-Dichlorobenzene  
Concen: 11.524 ppbv  
RT: 11.940 min Scan# 30943  
Delta R.T. -0.000 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

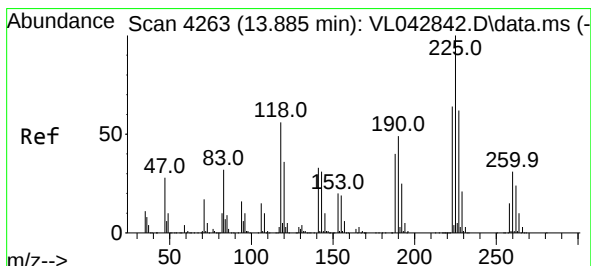
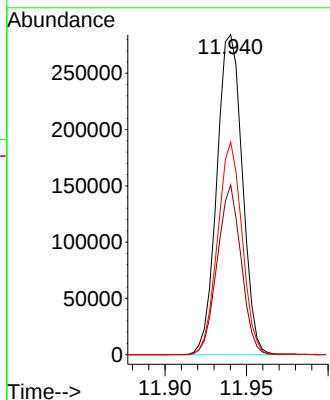
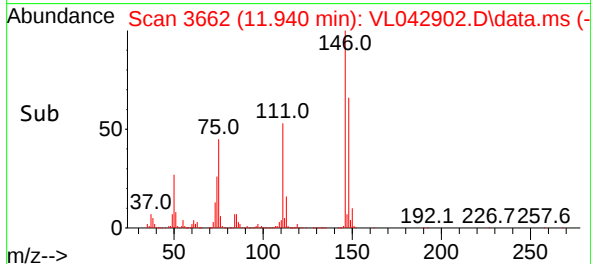
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0908ABS01



Tgt Ion:146 Resp: 30943  
Ion Ratio Lower Upper  
146 100  
111 49.7 24.6 74.0  
148 63.7 32.0 96.0

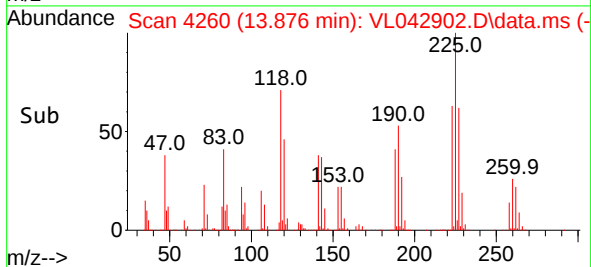
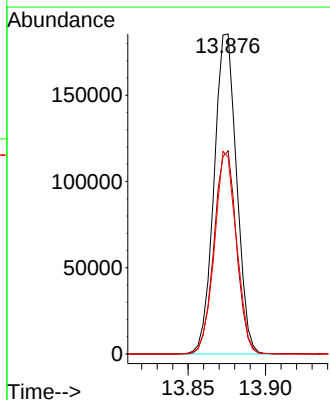
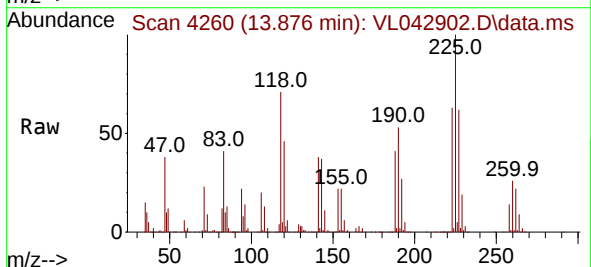
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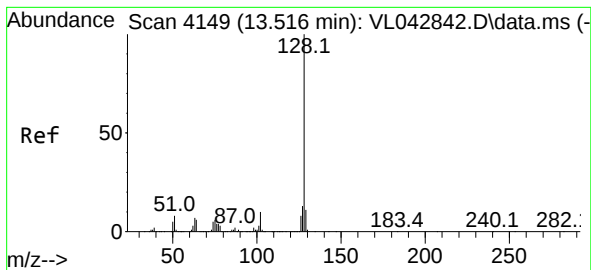
Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#78  
Hexachloro-1,3-Butadiene  
Concen: 8.542 ppbv  
RT: 13.876 min Scan# 4260  
Delta R.T. 0.003 min  
Lab File: VL042902.D  
Acq: 08 Sep 2025 13:35

Tgt Ion:225 Resp: 187990  
Ion Ratio Lower Upper  
225 100  
223 63.0 51.4 77.2  
227 62.1 51.9 77.9





#79

Naphthalene

Concen: 10.914 ppbv

RT: 13.507 min Scan# 4149

Delta R.T. 0.003 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

Instrument :

MSVOA\_L

ClientSampleId :

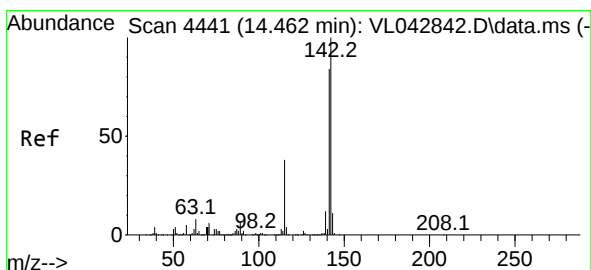
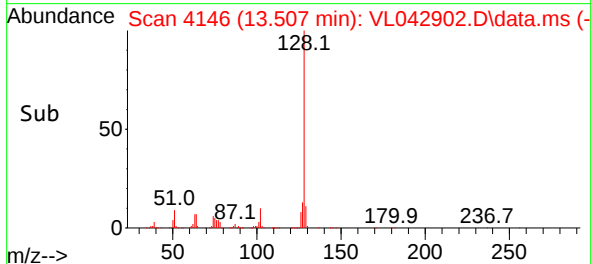
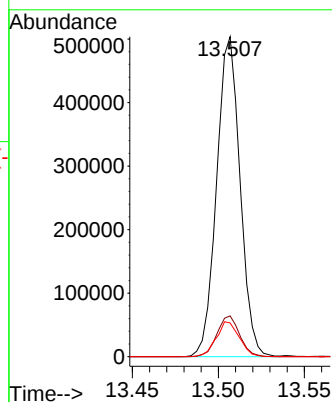
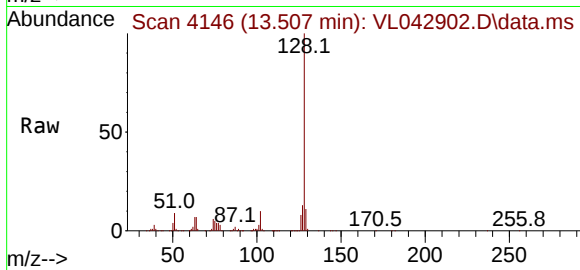
VL0908ABS01

|             |             |
|-------------|-------------|
| Tgt Ion:128 | Resp: 47731 |
| Ion Ratio   | Lower Upper |
| 128 100     |             |
| 127 12.8    | 10.6 16.0   |
| 129 10.6    | 8.9 13.3    |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/09/2025  
Supervised By :Mahesh Dadoda 09/11/2025



#80

Naphthalene,2-methyl-

Concen: 8.713 ppbv

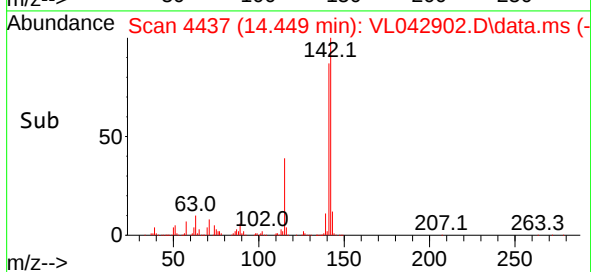
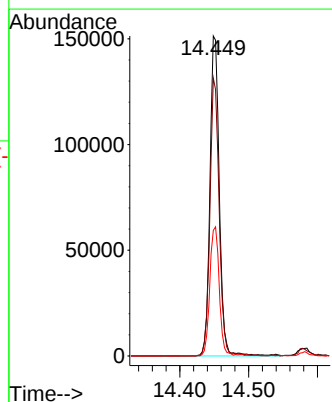
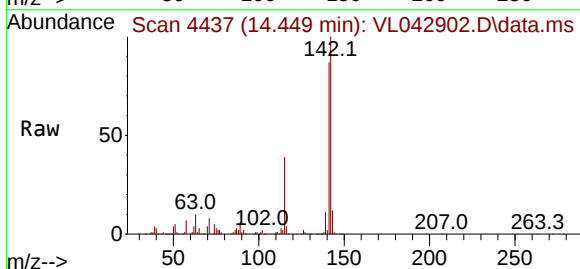
RT: 14.449 min Scan# 4437

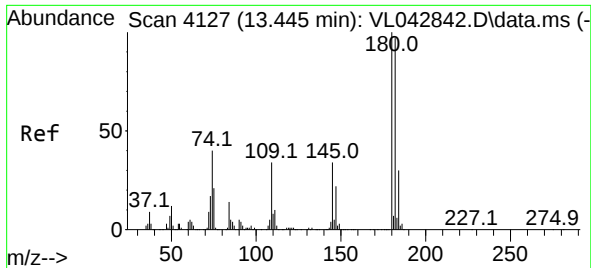
Delta R.T. -0.000 min

Lab File: VL042902.D

Acq: 08 Sep 2025 13:35

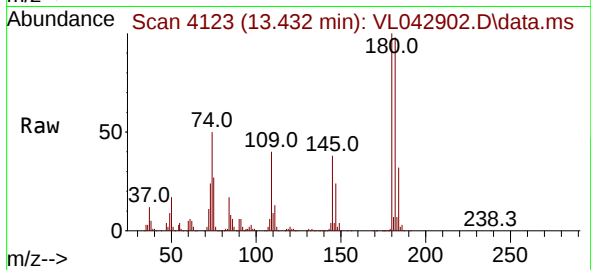
|             |              |
|-------------|--------------|
| Tgt Ion:142 | Resp: 142381 |
| Ion Ratio   | Lower Upper  |
| 142 100     |              |
| 141 85.9    | 67.0 100.6   |
| 115 41.3    | 30.9 46.3    |





#81  
 1,2,4-Trichlorobenzene  
 Concen: 10.401 ppbv  
 RT: 13.432 min Scan# 41  
 Delta R.T. -0.000 min  
 Lab File: VL042902.D  
 Acq: 08 Sep 2025 13:35

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0908ABS01



Tgt Ion:180 Resp: 228630  
 Ion Ratio Lower Upper  
 180 100  
 182 96.5 76.9 115.3  
 184 30.0 24.5 36.7

Manual Integrations  
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Reviewed By :Semsettin Yesilyurt 09/09/2025  
 Supervised By :Mahesh Dadoda 09/11/2025

