

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL092225\  
 Data File : VL042957.D  
 Acq On : 22 Sep 2025 14:15  
 Operator : SY/MD  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL092225

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/23/2025  
 Supervised By : Mahesh Dadoda 09/24/2025

Quant Time: Sep 23 02:49:01 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL092225AIR.M

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

QLast Update : Tue Sep 23 02:39:16 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.787 | 49   | 159826   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.956 | 114  | 493072   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.882 | 117  | 450930   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 338071 10.043 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.400%

Target Compounds

|                               |       |     |        |       |        | Qvalue |
|-------------------------------|-------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 197861 | 9.204 | ppbv   | 98     |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 246838 | 9.213 | ppbv   | 99     |
| 4) Chloromethane              | 1.535 | 50  | 85932  | 8.831 | ppbv   | 100    |
| 5) Vinyl Chloride             | 1.580 | 62  | 74819  | 8.506 | ppbv   | 98     |
| 6) Bromomethane               | 1.667 | 94  | 26463  | 8.529 | ppbv   | 91     |
| 7) Chloroethane               | 1.706 | 64  | 30377  | 8.894 | ppbv   | 100    |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 164255 | 8.951 | ppbv   | 98     |
| 9) Propene                    | 1.483 | 41  | 105822 | 9.079 | ppbv   | 95     |
| 10) Heptane                   | 4.982 | 43  | 284333 | 9.141 | ppbv   | 99     |
| 11) Trichlorofluoromethane    | 1.878 | 101 | 189800 | 9.157 | ppbv   | 97     |
| 12) 1,1,2-Trichlorotrifluo... | 2.140 | 101 | 151398 | 9.020 | ppbv   | 99     |
| 13) Ethanol                   | 1.722 | 45  | 6606   | 5.842 | ppbv   | 90     |
| 14) Bromoethene               | 1.781 | 108 | 55748  | 8.785 | ppbv   | 98     |
| 15) Acetone                   | 1.836 | 43  | 157306 | 7.557 | ppbv   | 98     |
| 16) 1,3-Butadiene             | 1.609 | 39  | 80854  | 8.234 | ppbv   | 98     |
| 17) tert-Butyl alcohol        | 2.040 | 59  | 206466 | 9.043 | ppbv   | 100    |
| 18) 1,1-Dichloroethene        | 2.036 | 96  | 69181  | 8.904 | ppbv   | 94     |
| 19) Isopropyl Alcohol         | 1.884 | 45  | 108171 | 8.644 | ppbv   | 100    |
| 20) Methylene Chloride        | 2.062 | 84  | 61743  | 9.945 | ppbv   | 98     |
| 21) Allyl Chloride            | 2.098 | 41  | 132878 | 9.166 | ppbv   | 100    |
| 22) trans-1,2-Dichloroethene  | 2.341 | 96  | 78085  | 8.845 | ppbv   | 98     |
| 23) Vinyl Acetate             | 2.464 | 43  | 280339 | 9.427 | ppbv   | 99     |
| 24) 1,1-Dichloroethane        | 2.409 | 63  | 155861 | 9.003 | ppbv   | 100    |
| 25) Ethyl Acetate             | 2.833 | 43  | 486993 | 9.256 | ppbv   | 99     |
| 26) Hexane                    | 2.826 | 57  | 216458 | 9.026 | ppbv   | 99     |
| 27) Carbon Disulfide          | 2.150 | 76  | 196191 | 9.121 | ppbv   | 98     |
| 28) Methyl tert-Butyl Ether   | 2.441 | 73  | 121564 | 9.752 | ppbv   | 95     |
| 29) Chloroform                | 2.849 | 83  | 300507 | 9.583 | ppbv   | 100    |
| 30) Cyclohexane               | 3.855 | 84  | 186186 | 9.286 | ppbv   | 98     |
| 31) cis-1,2-Dichloroethene    | 2.719 | 61  | 213362 | 9.497 | ppbv   | 99     |
| 32) 1,1,1-Trichloroethane     | 3.370 | 97  | 307237 | 9.071 | ppbv   | 100    |
| 34) 2-Butanone                | 2.558 | 43  | 313801 | 9.081 | ppbv   | 100    |
| 35) Carbon Tetrachloride      | 3.762 | 117 | 304293 | 9.479 | ppbv   | 97     |
| 36) Benzene                   | 3.655 | 78  | 435981 | 9.416 | ppbv   | 98     |
| 37) 1,2-Dichloroethane        | 3.218 | 62  | 233305 | 9.581 | ppbv   | 99     |
| 38) Trichloroethene           | 4.548 | 130 | 205431 | 8.927 | ppbv   | 95     |
| 39) 1,2-Dichloropropane       | 4.312 | 63  | 160275 | 9.482 | ppbv   | 95     |
| 40) 1,4-Dioxane               | 4.577 | 88  | 69659  | 8.863 | ppbv # | 95     |
| 41) Tetrahydrofuran           | 3.053 | 42  | 184258 | 9.277 | ppbv   | 100    |
| 42) Bromodichloromethane      | 4.490 | 83  | 329680 | 9.721 | ppbv   | 99     |
| 43) Methyl Methacrylate       | 4.878 | 69  | 172867 | 9.125 | ppbv   | 99     |
| 44) 2,2,4-Trimethylpentane    | 4.642 | 57  | 738876 | 9.239 | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 6.416 | 75  | 188332 | 9.321 | ppbv   | 97     |

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 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL092225

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025  
 Supervised By :Mahesh Dadoda 09/24/2025

Quant Time: Sep 23 02:49:01 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL092225AIR.M

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

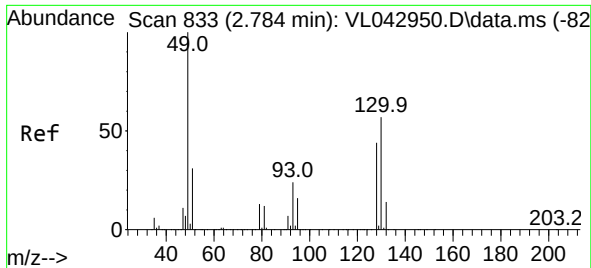
QLast Update : Tue Sep 23 02:39:16 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 46) cis-1,3-Dichloropropene   | 5.603  | 75   | 244367   | 9.490  | ppbv  | 99       |
| 47) 1,1,2-Trichloroethane     | 6.577  | 97   | 165721   | 9.279  | ppbv  | 97       |
| 48) Dibromochloromethane      | 7.387  | 129  | 278090   | 9.732  | ppbv  | 99       |
| 49) Bromoform                 | 9.484  | 173  | 238337   | 9.589  | ppbv  | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.746  | 43   | 435845   | 9.411  | ppbv  | 99       |
| 51) 2-Hexanone                | 7.435  | 43   | 352962   | 9.561  | ppbv  | 100      |
| 52) Tetrachloroethene         | 8.225  | 164  | 155469   | 8.678  | ppbv  | 98       |
| 53) Toluene                   | 6.933  | 91   | 509968   | 9.306  | ppbv  | 99       |
| 54) 1,2-Dibromoethane         | 7.652  | 107  | 237604   | 9.452  | ppbv  | 96       |
| 56) 1,1,1,2-Tetrachloroethane | 8.924  | 131  | 205811   | 9.536  | ppbv  | 99       |
| 57) Chlorobenzene             | 8.924  | 112  | 379110   | 9.209  | ppbv  | 99       |
| 58) Ethyl Benzene             | 9.354  | 91   | 698086   | 9.428  | ppbv  | 100      |
| 59) m/p-Xylene                | 9.552  | 91   | 1092496m | 18.715 | ppbv  |          |
| 60) o-Xylene                  | 9.966  | 91   | 538861   | 9.236  | ppbv  | 99       |
| 61) Styrene                   | 9.872  | 104  | 264257   | 9.575  | ppbv  | 99       |
| 62) Isopropylbenzene          | 10.539 | 105  | 802723   | 9.230  | ppbv  | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 9.963  | 83   | 272416   | 8.883  | ppbv  | 100      |
| 64) n-propylbenzene           | 10.989 | 120  | 214374   | 9.433  | ppbv  | 99       |
| 65) tert-Butylbenzene         | 11.533 | 119  | 711319   | 9.196  | ppbv  | 99       |
| 66) Benzyl Chloride           | 11.617 | 91   | 71896    | 8.858  | ppbv  | 99       |
| 67) sec-Butylbenzene          | 11.769 | 105  | 995407   | 9.235  | ppbv  | 99       |
| 69) p-Isopropyltoluene        | 11.928 | 119  | 848196   | 9.316  | ppbv  | 99       |
| 70) n-Butylbenzene            | 12.280 | 91   | 834882   | 9.392  | ppbv  | 100      |
| 71) 2-Chlorotoluene           | 10.902 | 91   | 611697   | 9.315  | ppbv  | 100      |
| 72) 4-Ethyltoluene            | 11.125 | 105  | 686229   | 9.391  | ppbv  | 100      |
| 73) 1,3,5-Trimethylbenzene    | 11.203 | 105  | 567874   | 9.582  | ppbv  | 100      |
| 74) 1,2,4-Trimethylbenzene    | 11.536 | 105  | 607159   | 9.277  | ppbv  | 92       |
| 75) 1,3-Dichlorobenzene       | 11.607 | 146  | 380822   | 9.382  | ppbv  | 100      |
| 76) 1,4-Dichlorobenzene       | 11.672 | 146  | 380109   | 9.429  | ppbv  | 99       |
| 77) 1,2-Dichlorobenzene       | 11.947 | 146  | 359995   | 9.322  | ppbv  | 100      |
| 78) Hexachloro-1,3-Butadiene  | 13.883 | 225  | 249142   | 8.248  | ppbv  | 100      |
| 79) Naphthalene               | 13.514 | 128  | 590759   | 10.208 | ppbv  | 99       |
| 80) Naphthalene,2-methyl-     | 14.459 | 142  | 173023   | 9.678  | ppbv  | 98       |
| 81) 1,2,4-Trichlorobenzene    | 13.439 | 180  | 304647   | 9.845  | ppbv  | 98       |

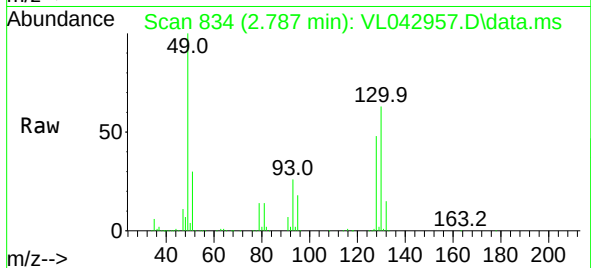
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.787 min Scan# 833  
Delta R.T. 0.003 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

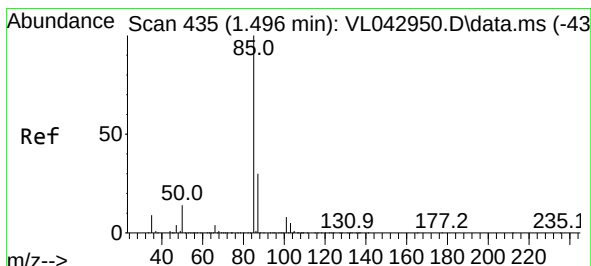
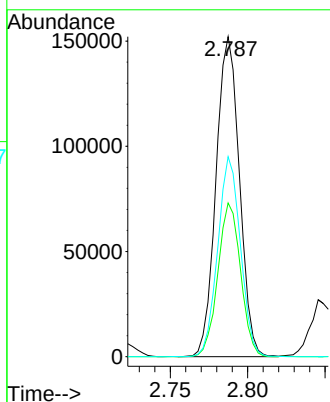
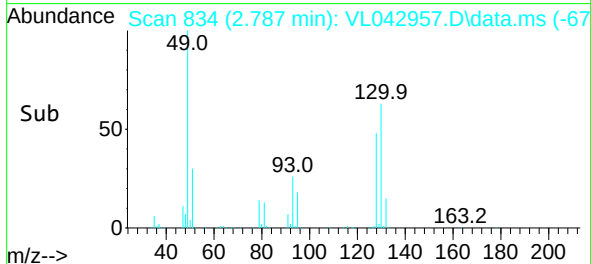
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL092225



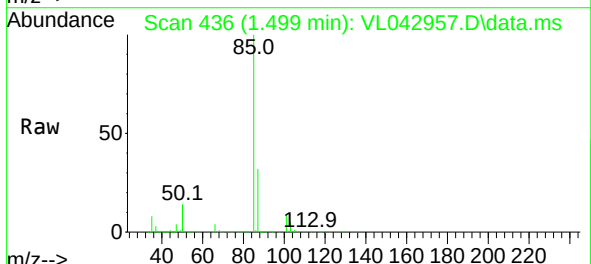
Tgt Ion: 49 Resp: 159820  
Ion Ratio Lower Upper  
49 100  
128 46.7 22.9 68.8  
130 60.6 29.1 87.3

Manual Integrations  
APPROVED

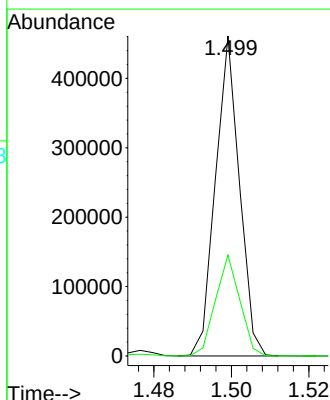
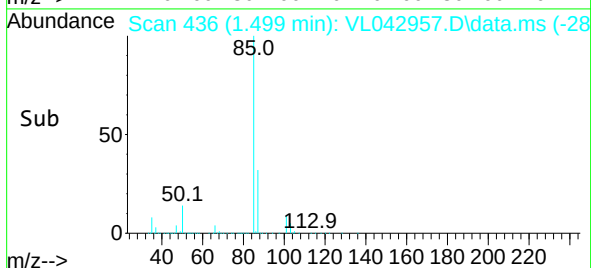
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025

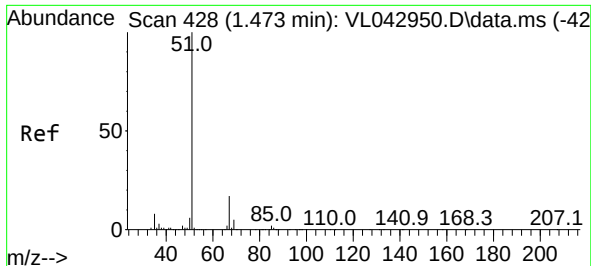


#2  
Dichlorodifluoromethane  
Concen: 9.204 ppbv  
RT: 1.499 min Scan# 436  
Delta R.T. 0.003 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15



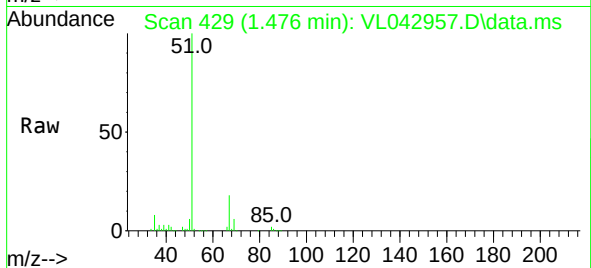
Tgt Ion: 85 Resp: 197861  
Ion Ratio Lower Upper  
85 100  
87 31.6 24.3 36.5





#3  
Chlorodifluoromethane  
Concen: 9.213 ppbv  
RT: 1.476 min Scan# 428  
Delta R.T. 0.003 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

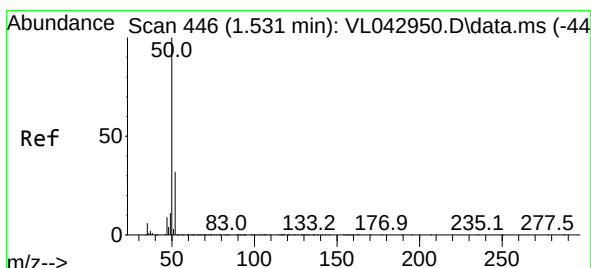
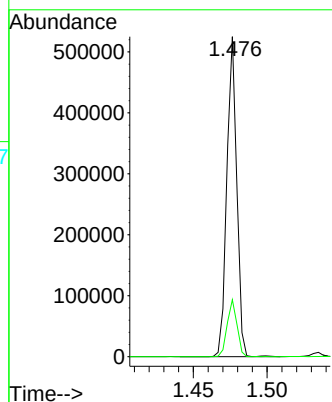
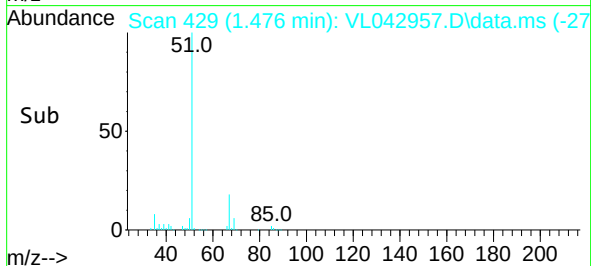
Instrument : MSVOA\_L  
ClientSampleId : ICVVL092225



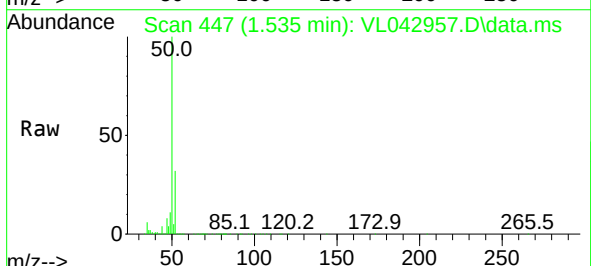
Tgt Ion: 51 Resp: 246838  
Ion Ratio Lower Upper  
51 100  
67 17.6 13.8 20.8

Manual Integrations  
APPROVED

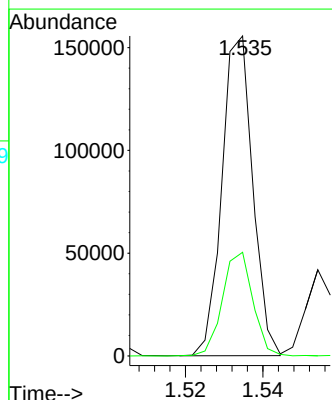
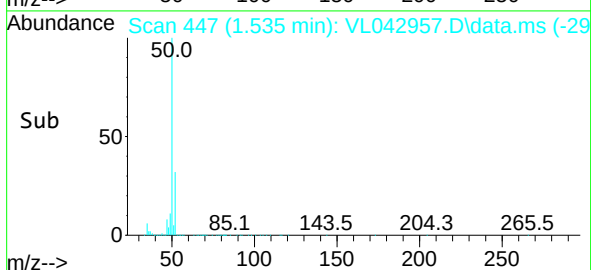
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025

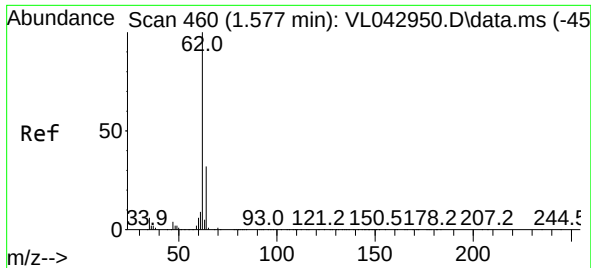


#4  
Chloromethane  
Concen: 8.831 ppbv  
RT: 1.535 min Scan# 447  
Delta R.T. 0.003 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15



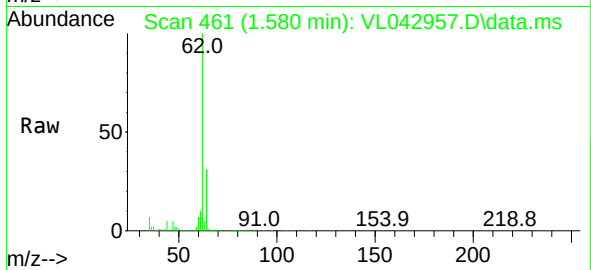
Tgt Ion: 50 Resp: 85932  
Ion Ratio Lower Upper  
50 100  
52 32.4 25.9 38.9





#5  
 Vinyl Chloride  
 Concen: 8.506 ppbv  
 RT: 1.580 min Scan# 461  
 Delta R.T. 0.003 min  
 Lab File: VL042957.D  
 Acq: 22 Sep 2025 14:15

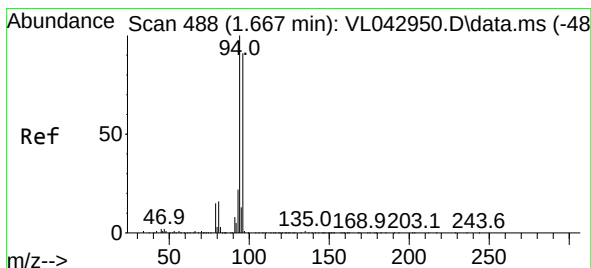
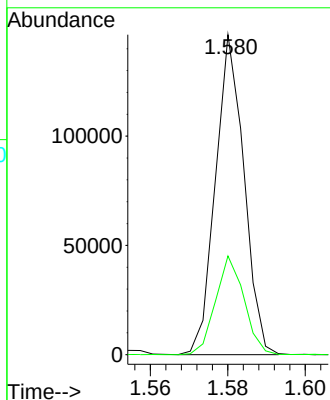
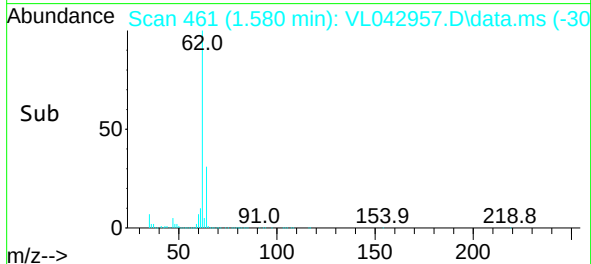
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Tgt Ion: 62 Resp: 74819  
 Ion Ratio Lower Upper  
 62 100  
 64 30.9 25.4 38.2

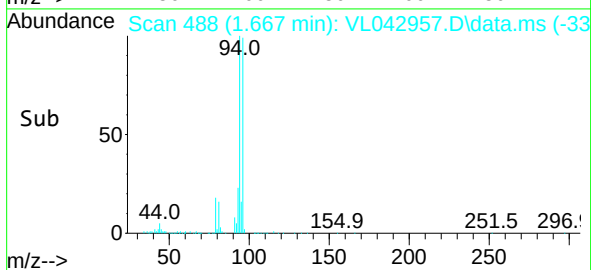
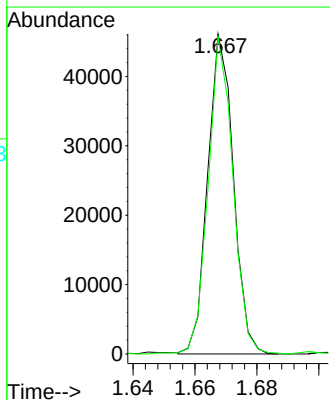
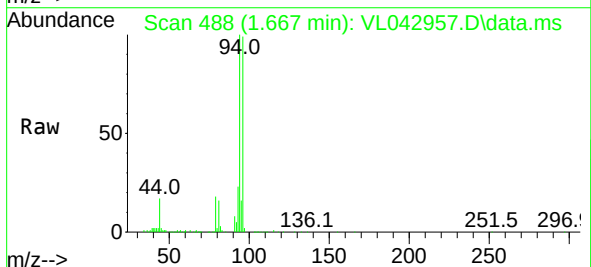
Manual Integrations  
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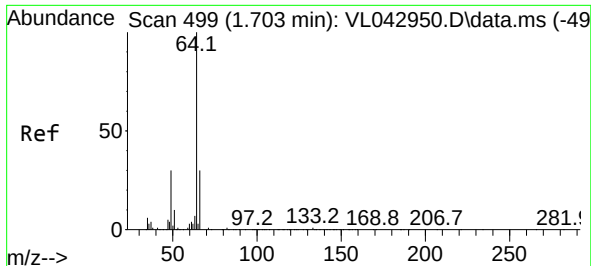
Reviewed By :Semsettin Yesilyurt 09/23/2025  
 Supervised By :Mahesh Dadoda 09/24/2025



#6  
 Bromomethane  
 Concen: 8.529 ppbv  
 RT: 1.667 min Scan# 488  
 Delta R.T. 0.000 min  
 Lab File: VL042957.D  
 Acq: 22 Sep 2025 14:15

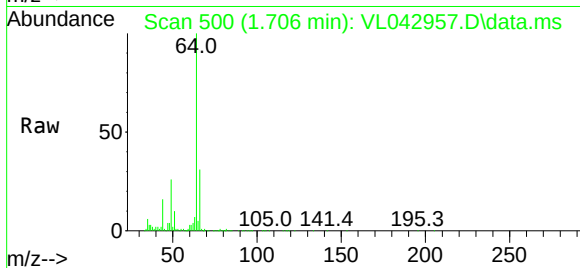
Tgt Ion: 94 Resp: 26463  
 Ion Ratio Lower Upper  
 94 100  
 96 98.8 72.6 108.8





#7  
Chloroethane  
Concen: 8.894 ppbv  
RT: 1.706 min Scan# 500  
Delta R.T. 0.003 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

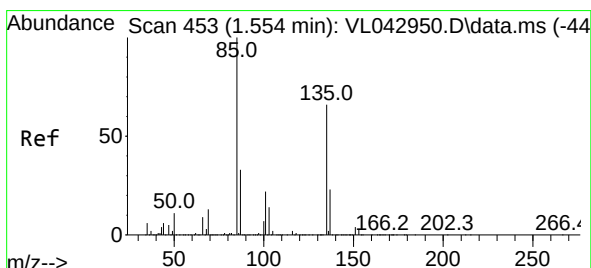
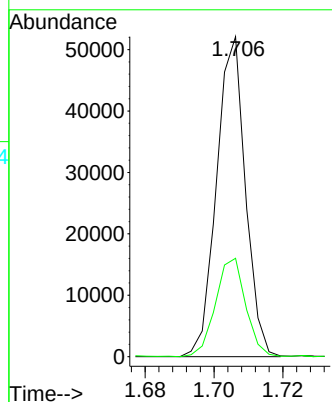
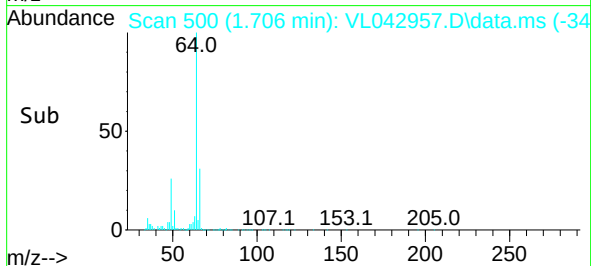
Instrument :  
MSVOA\_L  
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ICVVL092225



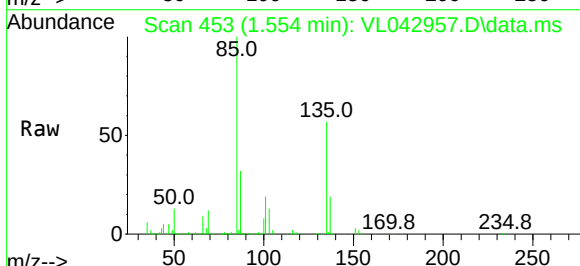
Tgt Ion: 64 Resp: 3037  
Ion Ratio Lower Upper  
64 100  
66 30.7 24.6 36.8

Manual Integrations  
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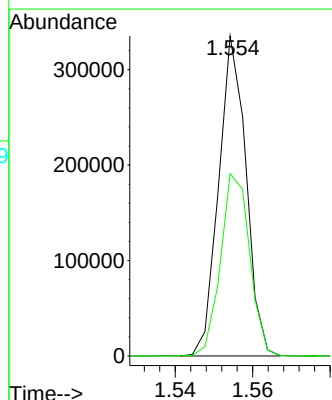
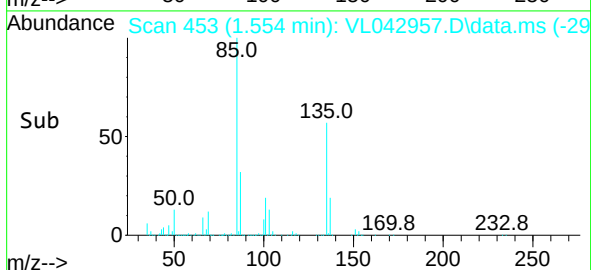
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025

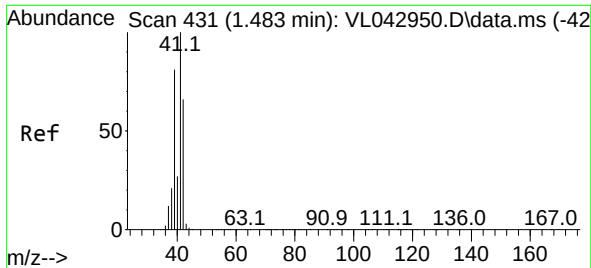


#8  
Dichlorotetrafluoroethane  
Concen: 8.951 ppbv  
RT: 1.554 min Scan# 453  
Delta R.T. 0.000 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15



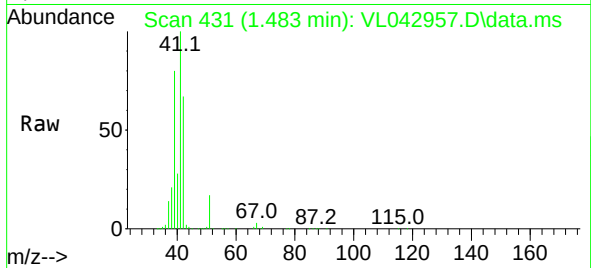
Tgt Ion: 85 Resp: 164255  
Ion Ratio Lower Upper  
85 100  
135 60.7 49.7 74.5





#9  
 Propene  
 Concen: 9.079 ppbv  
 RT: 1.483 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: VL042957.D  
 Acq: 22 Sep 2025 14:15

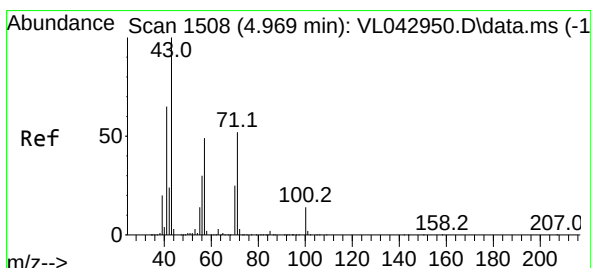
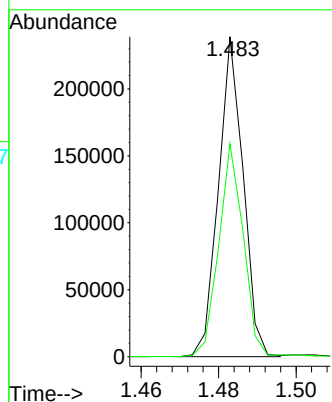
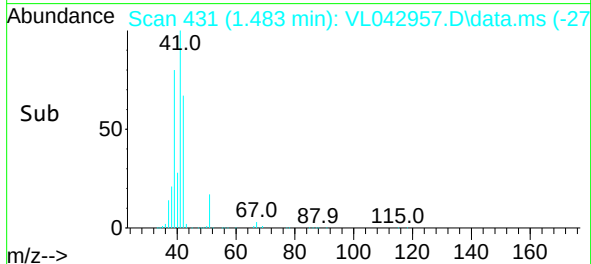
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL092225



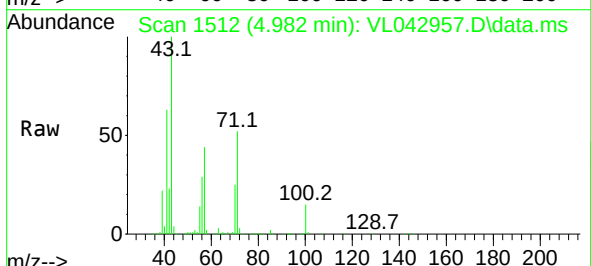
Tgt Ion: 41 Resp: 10582  
 Ion Ratio Lower Upper  
 41 100  
 42 67.4 57.4 86.2

Manual Integrations  
 APPROVED

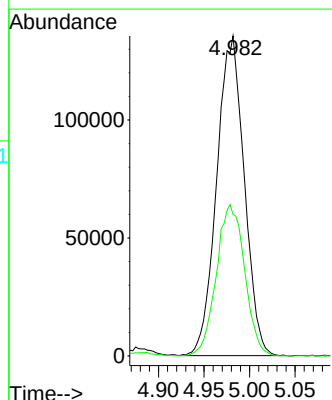
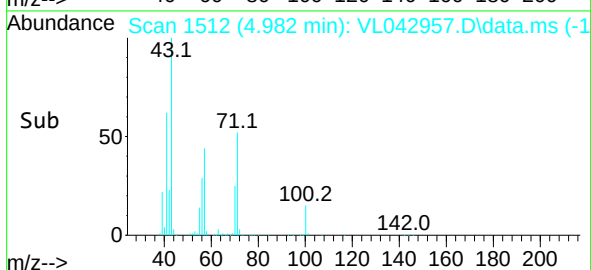
Reviewed By :Semsettin Yesilyurt 09/23/2025  
 Supervised By :Mahesh Dadoda 09/24/2025



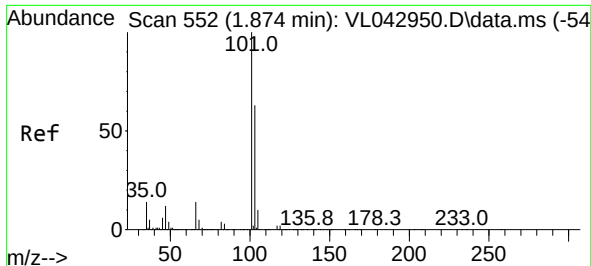
#10  
 Heptane  
 Concen: 9.141 ppbv  
 RT: 4.982 min Scan# 1512  
 Delta R.T. 0.013 min  
 Lab File: VL042957.D  
 Acq: 22 Sep 2025 14:15



Tgt Ion: 43 Resp: 284333  
 Ion Ratio Lower Upper  
 43 100  
 57 48.7 38.6 57.8

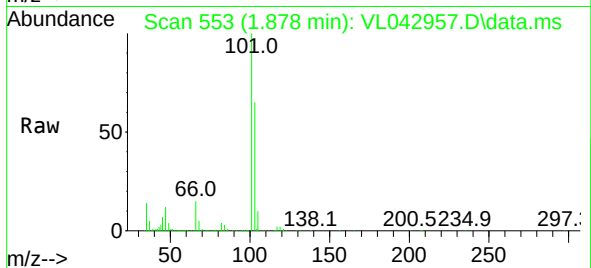






#11  
 Trichlorofluoromethane  
 Concen: 9.157 ppbv  
 RT: 1.878 min Scan# 511  
 Delta R.T. 0.003 min  
 Lab File: VL042957.D  
 Acq: 22 Sep 2025 14:15

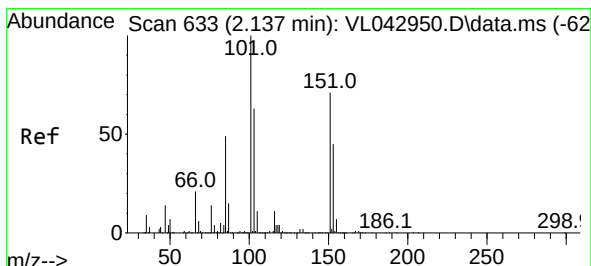
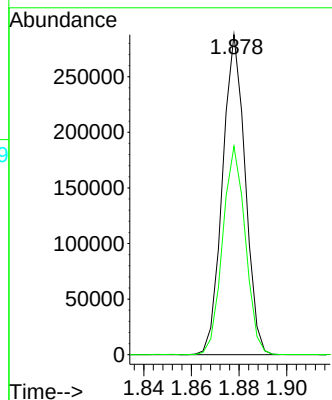
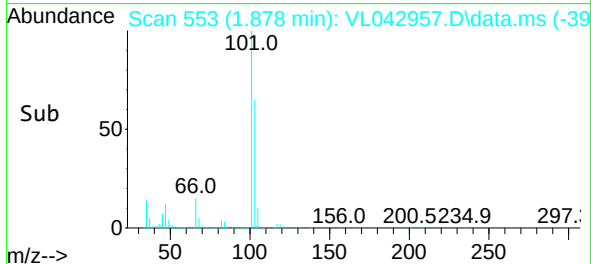
Instrument : MSVOA\_L  
 ClientSampleId : ICVVL092225



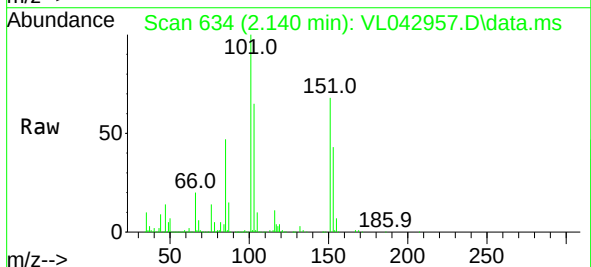
Tgt Ion:101 Resp: 189800  
 Ion Ratio Lower Upper  
 101 100  
 103 65.1 50.1 75.1

Manual Integrations  
 APPROVED

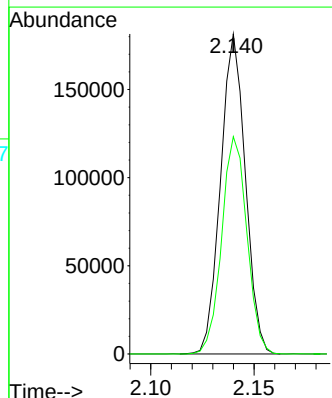
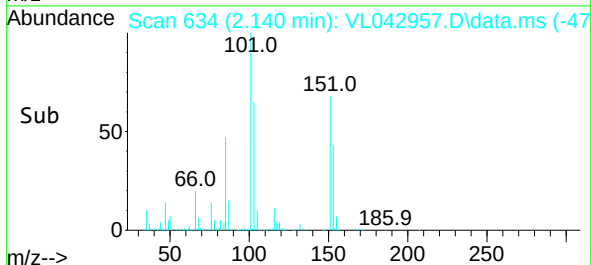
Reviewed By :Semsettin Yesilyurt 09/23/2025  
 Supervised By :Mahesh Dadoda 09/24/2025

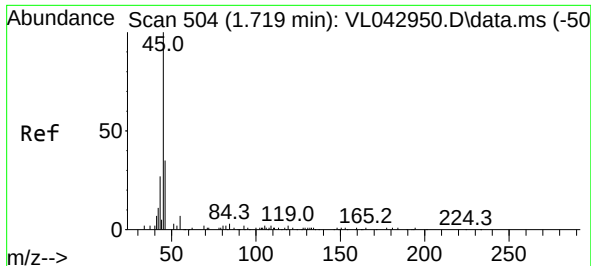


#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 9.020 ppbv  
 RT: 2.140 min Scan# 634  
 Delta R.T. 0.003 min  
 Lab File: VL042957.D  
 Acq: 22 Sep 2025 14:15



Tgt Ion:101 Resp: 151398  
 Ion Ratio Lower Upper  
 101 100  
 151 69.1 55.7 83.5





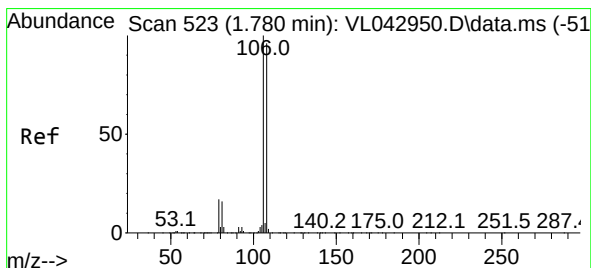
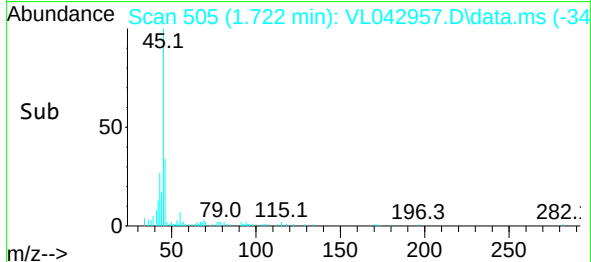
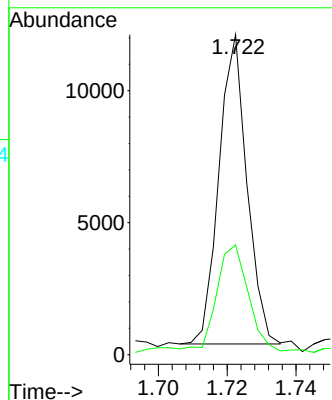
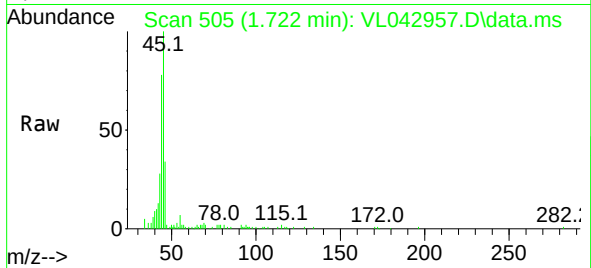
#13  
Ethanol  
Concen: 5.842 ppbv  
RT: 1.722 min Scan# 504  
Delta R.T. 0.003 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL092225

Tgt Ion: 45 Resp: 6600  
Ion Ratio Lower Upper  
45 100  
46 46.7 16.2 64.6

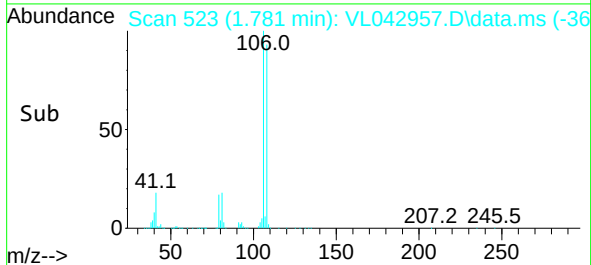
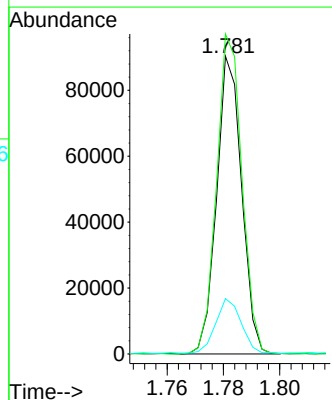
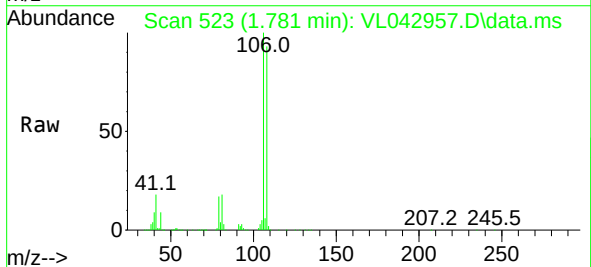
Manual Integrations  
APPROVED

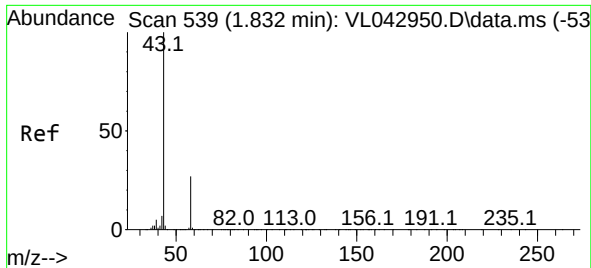
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025



#14  
Bromoethene  
Concen: 8.785 ppbv  
RT: 1.781 min Scan# 523  
Delta R.T. 0.000 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

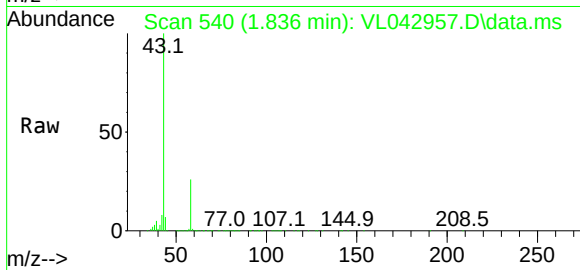
Tgt Ion:108 Resp: 55748  
Ion Ratio Lower Upper  
108 100  
106 109.3 86.0 129.0  
79 19.7 14.2 21.2





#15  
Acetone  
Concen: 7.557 ppbv  
RT: 1.836 min Scan# 54  
Delta R.T. 0.003 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

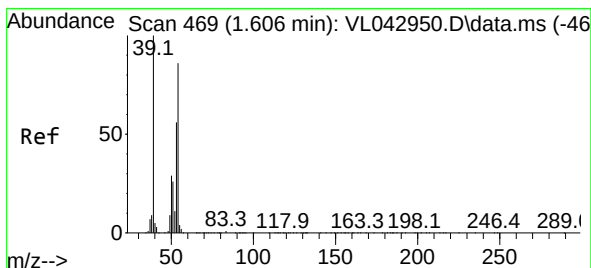
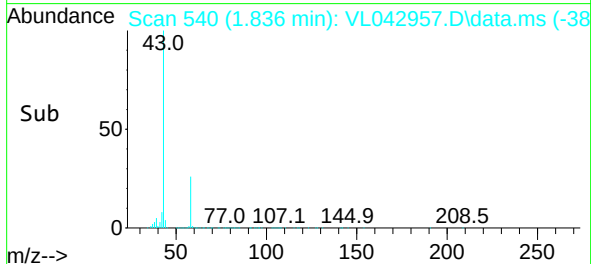
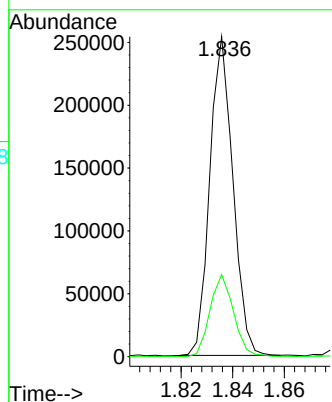
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL092225



Tgt Ion: 43 Resp: 157300  
Ion Ratio Lower Upper  
43 100  
58 26.7 22.3 33.5

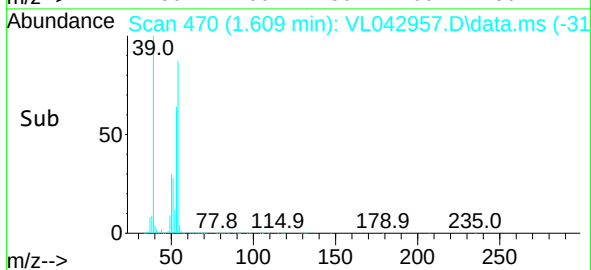
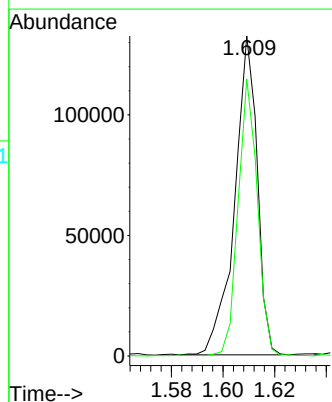
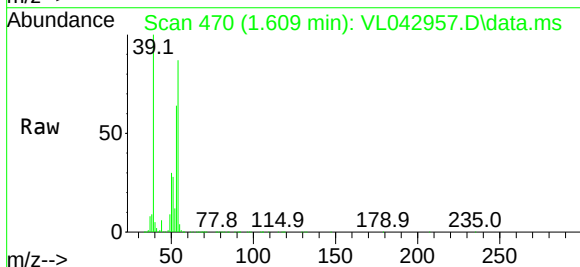
Manual Integrations  
APPROVED

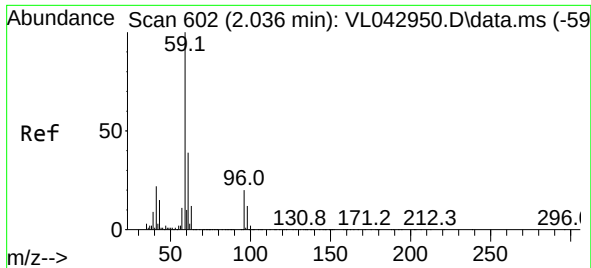
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025



#16  
1,3-Butadiene  
Concen: 8.234 ppbv  
RT: 1.609 min Scan# 470  
Delta R.T. 0.003 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

Tgt Ion: 39 Resp: 80854  
Ion Ratio Lower Upper  
39 100  
54 74.7 60.8 91.2





#17

tert-Butyl alcohol

Concen: 9.043 ppbv

RT: 2.040 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042957.D

Acq: 22 Sep 2025 14:15

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL092225

Tgt Ion: 59 Resp: 206460

Ion Ratio Lower Upper

59 100

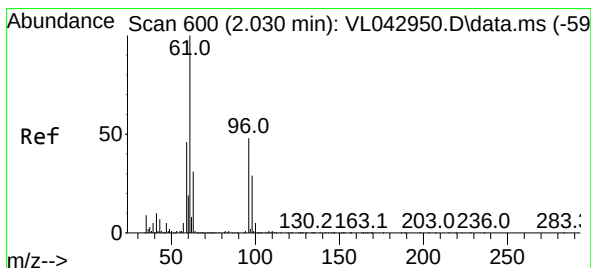
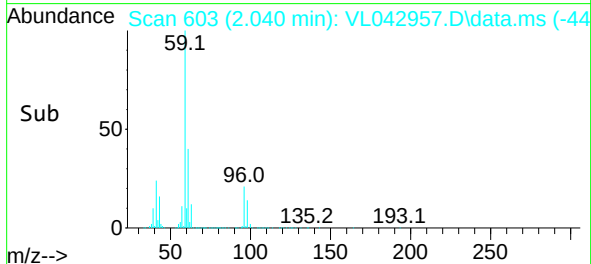
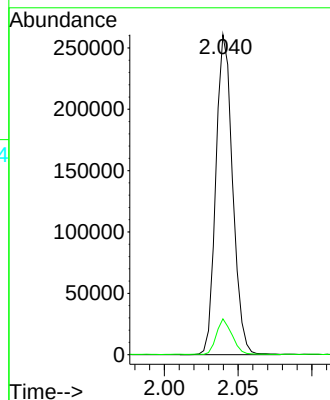
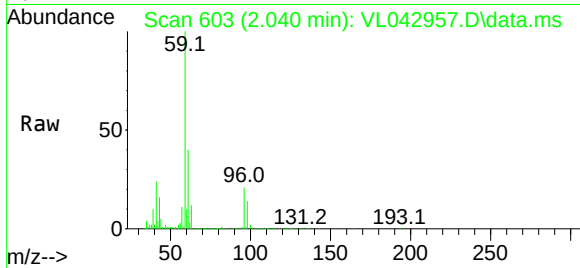
57 10.6 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#18

1,1-Dichloroethene

Concen: 8.904 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.007 min

Lab File: VL042957.D

Acq: 22 Sep 2025 14:15

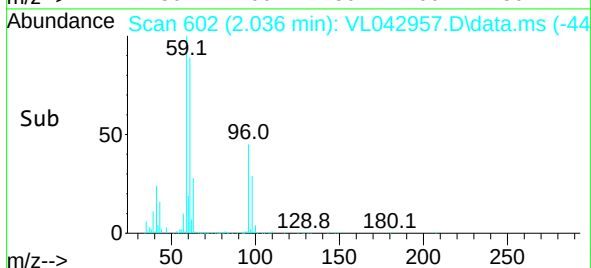
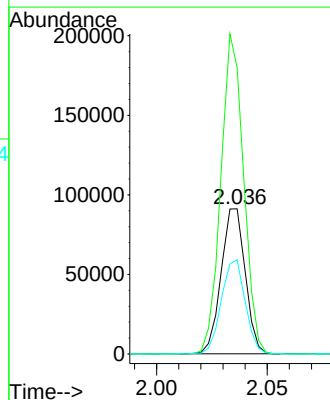
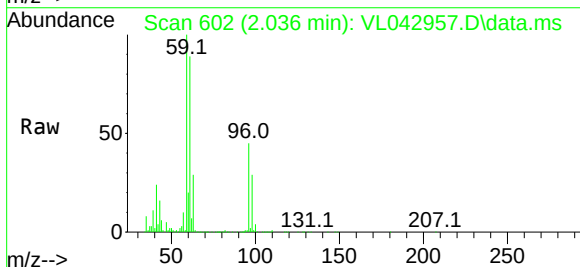
Tgt Ion: 96 Resp: 69181

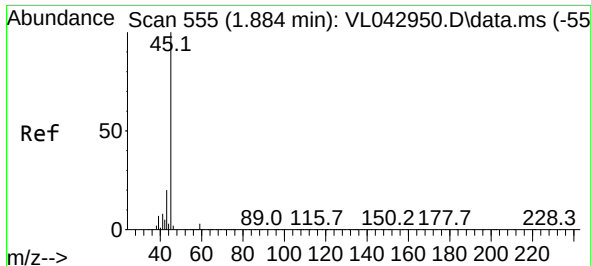
Ion Ratio Lower Upper

96 100

61 197.4 166.2 249.4

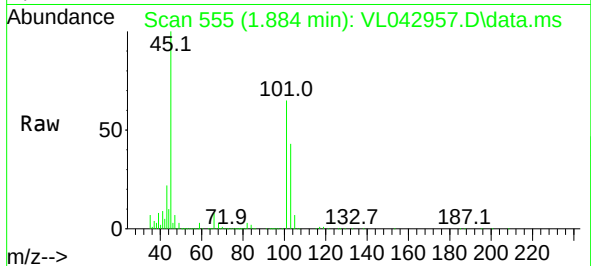
98 64.8 48.6 73.0





#19  
Isopropyl Alcohol  
Concen: 8.644 ppbv  
RT: 1.884 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

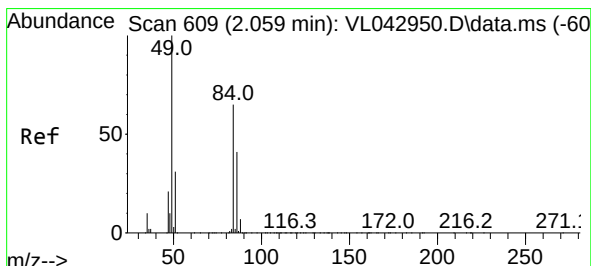
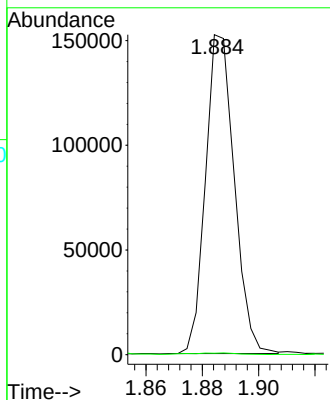
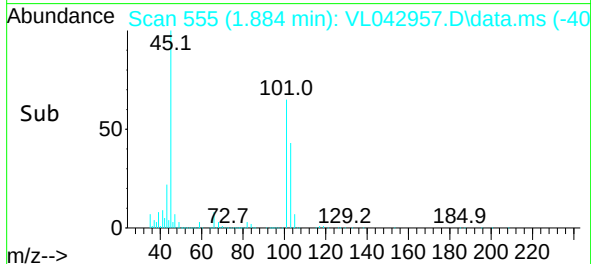
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL092225



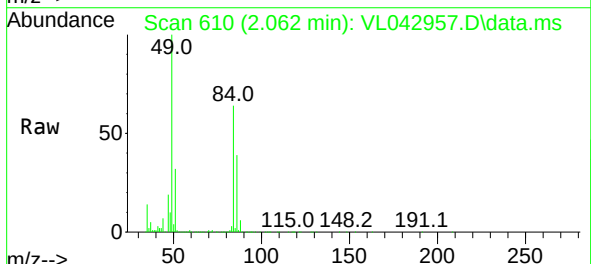
Tgt Ion: 45 Resp: 10817  
Ion Ratio Lower Upper  
45 100  
58 38.8 31.0 46.6

Manual Integrations  
APPROVED

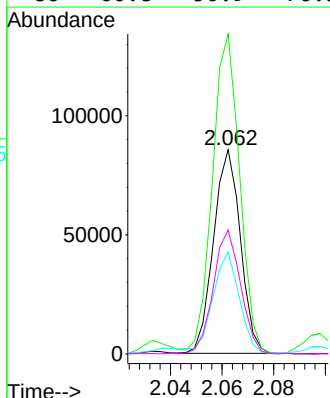
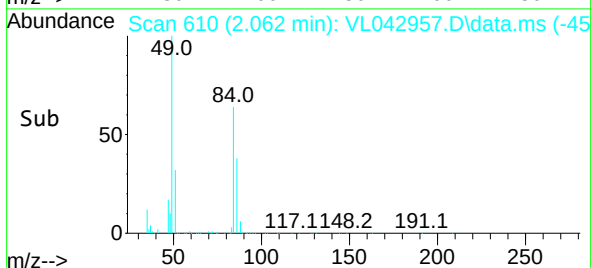
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025

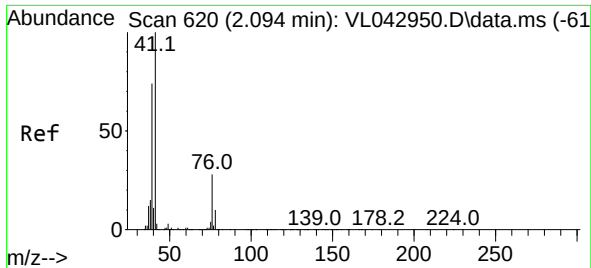


#20  
Methylene Chloride  
Concen: 9.945 ppbv  
RT: 2.062 min Scan# 610  
Delta R.T. 0.003 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15



Tgt Ion: 84 Resp: 61743  
Ion Ratio Lower Upper  
84 100  
49 156.9 124.1 186.1  
51 49.6 39.8 59.8  
86 60.8 50.9 76.3





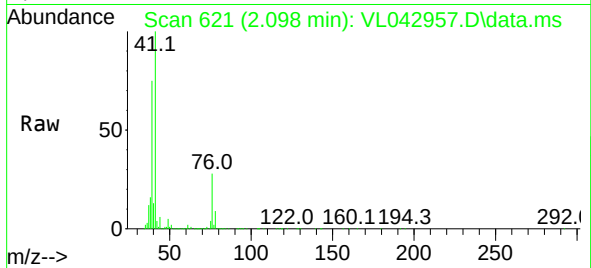
#21  
 Allyl Chloride  
 Concen: 9.166 ppbv  
 RT: 2.098 min Scan# 61  
 Delta R.T. 0.003 min  
 Lab File: VL042957.D  
 Acq: 22 Sep 2025 14:15

Instrument :

MSVOA\_L

ClientSampleId :

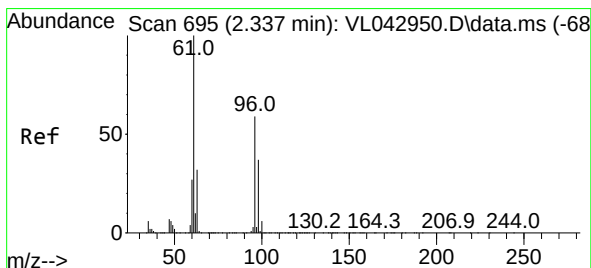
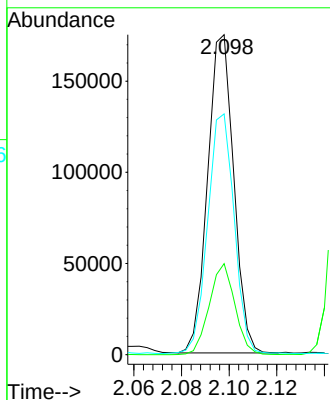
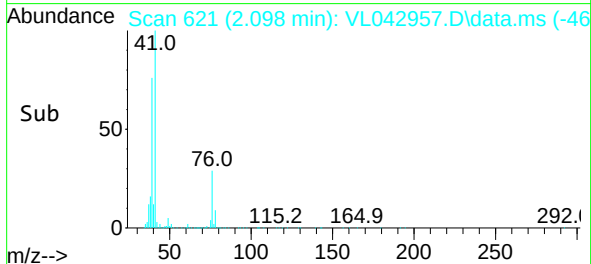
ICVVL092225



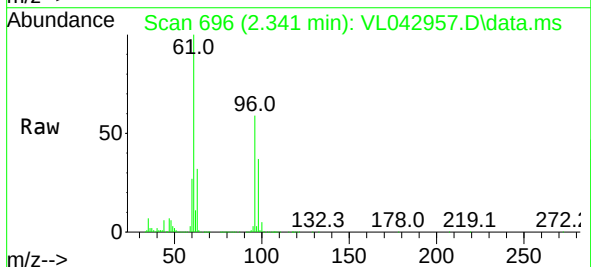
Tgt Ion: 41 Resp: 132878  
 Ion Ratio Lower Upper  
 41 100  
 76 28.0 22.3 33.5  
 39 76.4 61.3 91.9

Manual Integrations  
 APPROVED

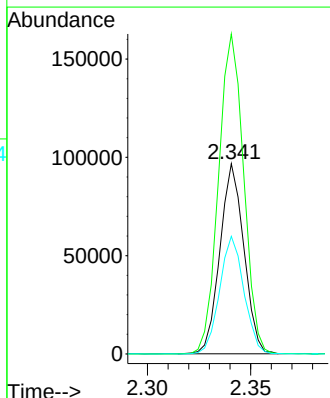
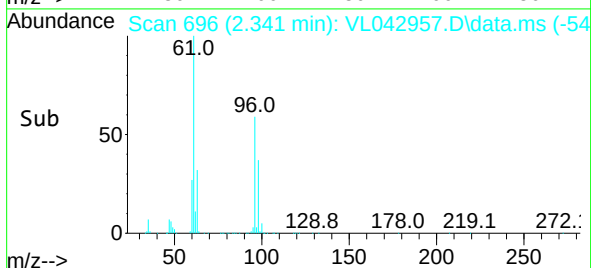
Reviewed By :Semsettin Yesilyurt 09/23/2025  
 Supervised By :Mahesh Dadoda 09/24/2025

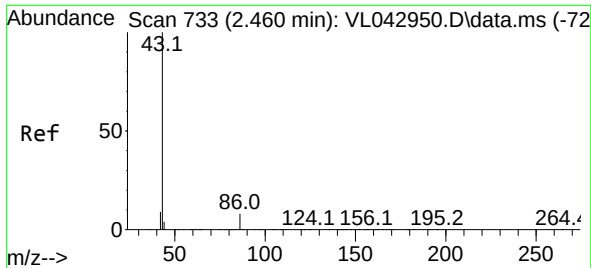


#22  
 trans-1,2-Dichloroethene  
 Concen: 8.845 ppbv  
 RT: 2.341 min Scan# 696  
 Delta R.T. 0.003 min  
 Lab File: VL042957.D  
 Acq: 22 Sep 2025 14:15



Tgt Ion: 96 Resp: 78085  
 Ion Ratio Lower Upper  
 96 100  
 61 168.1 136.5 204.7  
 98 61.9 50.6 76.0





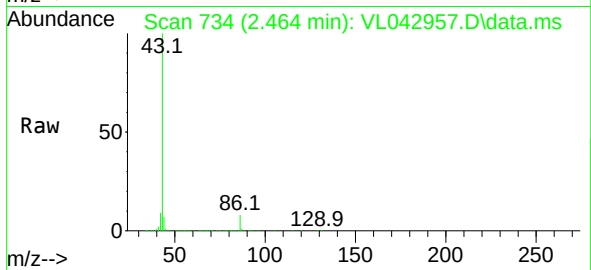
#23  
 Vinyl Acetate  
 Concen: 9.427 ppbv  
 RT: 2.464 min Scan# 716  
 Delta R.T. 0.003 min  
 Lab File: VL042957.D  
 Acq: 22 Sep 2025 14:15

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL092225

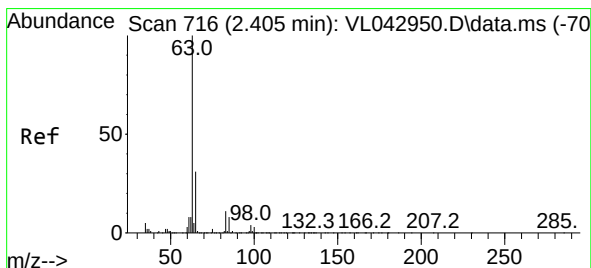
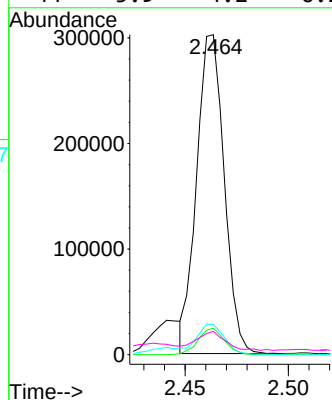
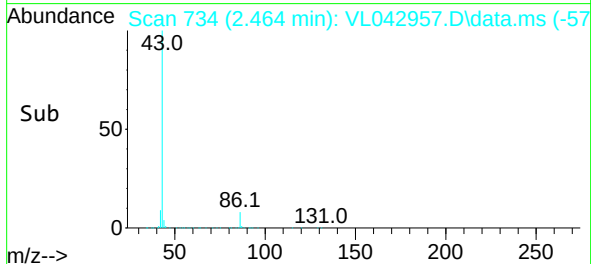


Tgt Ion: 43 Resp: 280339  
 Ion Ratio Lower Upper  
 43 100  
 86 8.3 6.2 9.2  
 42 9.4 7.4 11.0  
 44 5.9 4.2 6.2

Manual Integrations

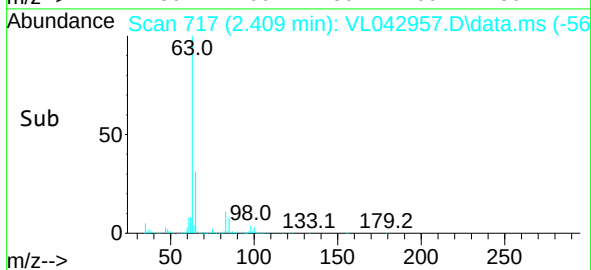
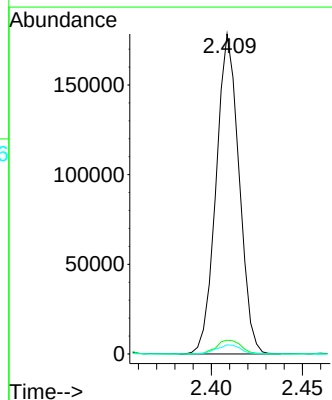
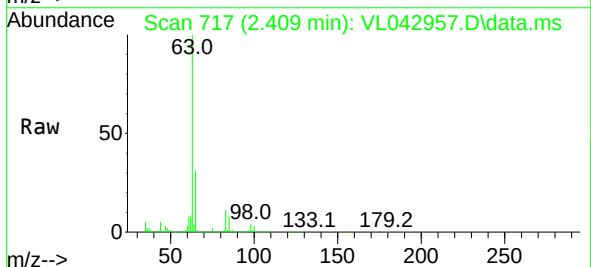
APPROVED

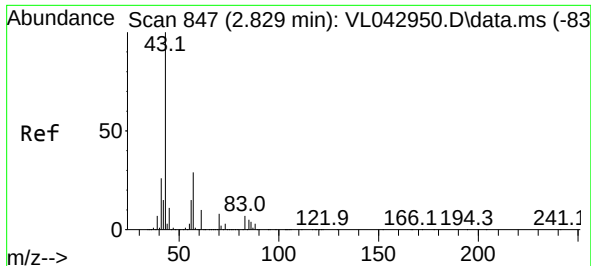
Reviewed By :Semsettin Yesilyurt 09/23/2025  
 Supervised By :Mahesh Dadoda 09/24/2025



#24  
 1,1-Dichloroethane  
 Concen: 9.003 ppbv  
 RT: 2.409 min Scan# 717  
 Delta R.T. 0.003 min  
 Lab File: VL042957.D  
 Acq: 22 Sep 2025 14:15

Tgt Ion: 63 Resp: 155861  
 Ion Ratio Lower Upper  
 63 100  
 98 4.2 2.2 6.6  
 100 2.8 1.4 4.0





#25

Ethyl Acetate

Concen: 9.256 ppbv

RT: 2.833 min Scan# 84

Delta R.T. 0.003 min

Lab File: VL042957.D

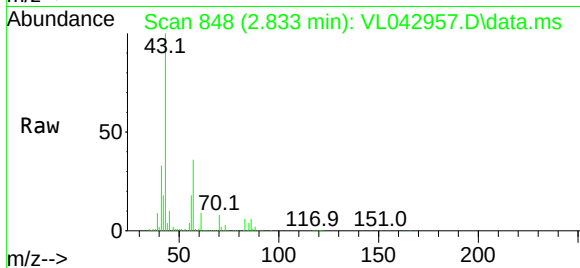
Acq: 22 Sep 2025 14:15

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL092225



Tgt Ion: 43 Resp: 48699

Ion Ratio Lower Upper

43 100

45 9.8 7.7 11.5

61 8.9 7.1 10.7

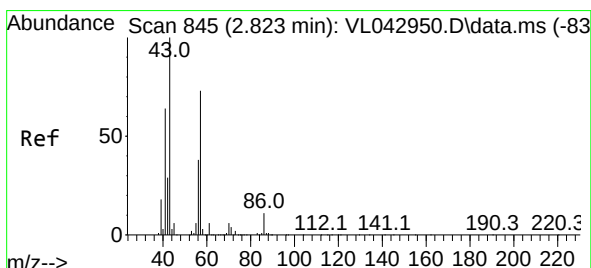
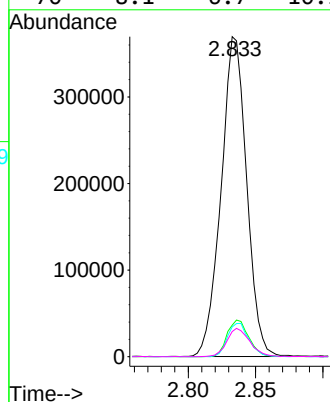
70 8.1 6.7 10.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#26

Hexane

Concen: 9.026 ppbv

RT: 2.826 min Scan# 846

Delta R.T. 0.003 min

Lab File: VL042957.D

Acq: 22 Sep 2025 14:15

Tgt Ion: 57 Resp: 216458

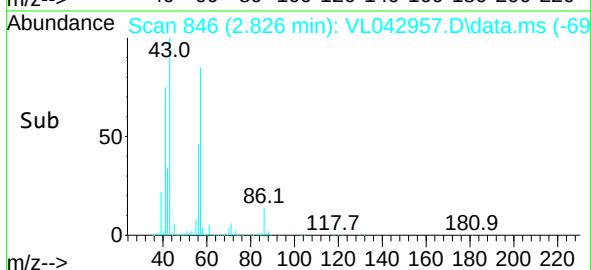
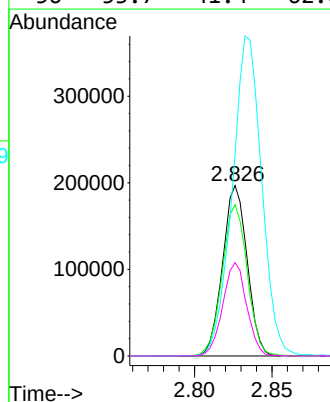
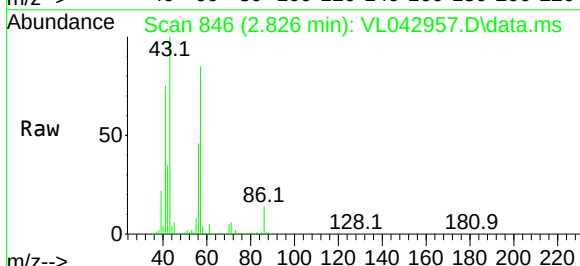
Ion Ratio Lower Upper

57 100

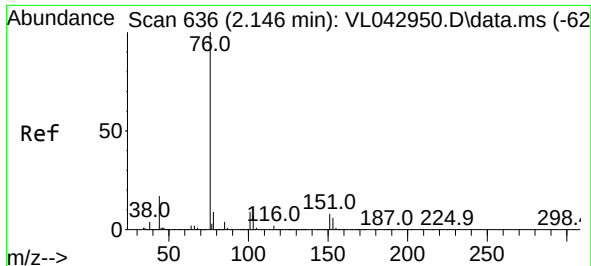
41 90.9 71.7 107.5

43 226.2 180.8 271.2

56 53.7 41.4 62.0

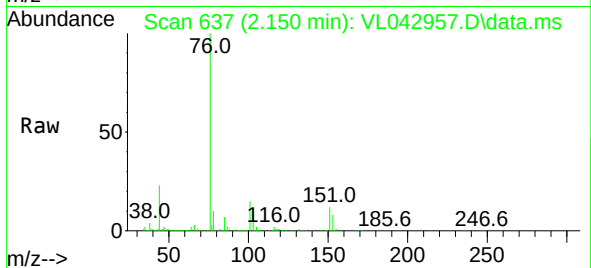






#27  
Carbon Disulfide  
Concen: 9.121 ppbv  
RT: 2.150 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

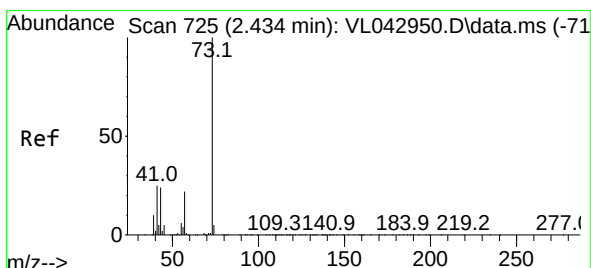
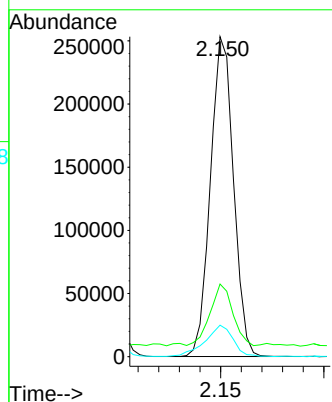
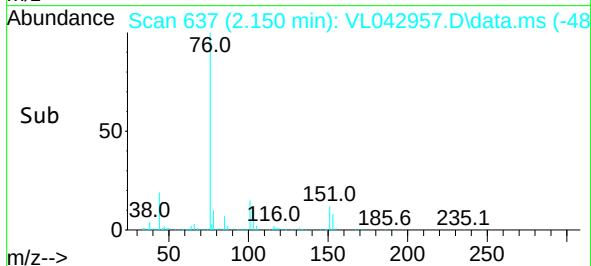
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL092225



Tgt Ion: 76 Resp: 19619  
Ion Ratio Lower Upper  
76 100  
44 20.2 15.6 23.4  
78 12.1 8.9 13.3

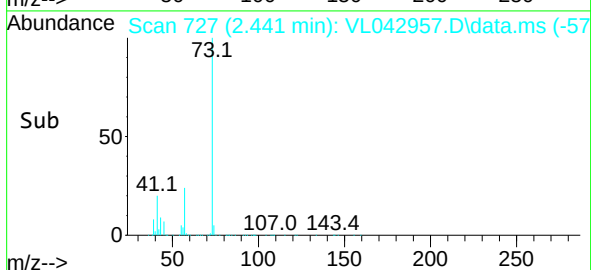
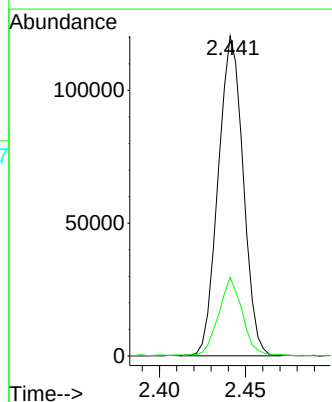
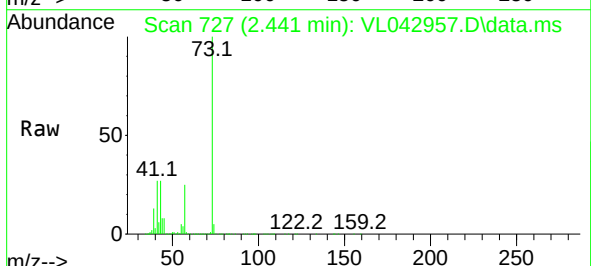
Manual Integrations  
APPROVED

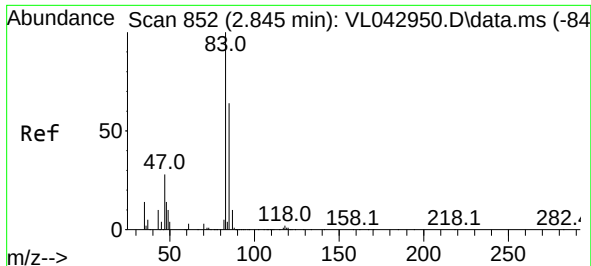
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025



#28  
Methyl tert-Butyl Ether  
Concen: 9.752 ppbv  
RT: 2.441 min Scan# 727  
Delta R.T. 0.007 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

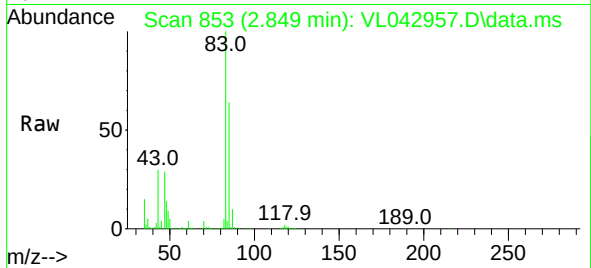
Tgt Ion: 73 Resp: 121564  
Ion Ratio Lower Upper  
73 100  
57 23.3 20.6 31.0





#29  
Chloroform  
Concen: 9.583 ppbv  
RT: 2.849 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

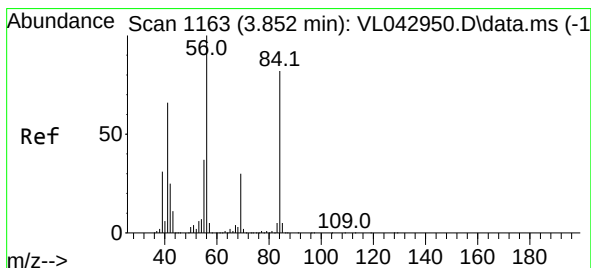
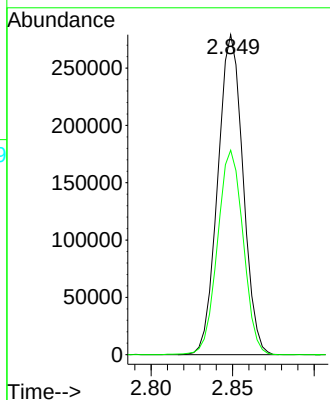
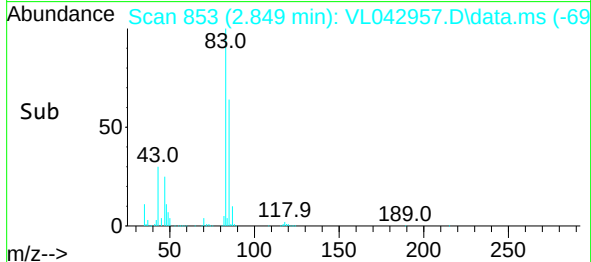
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL092225



Tgt Ion: 83 Resp: 30050  
Ion Ratio Lower Upper  
83 100  
85 63.9 51.2 76.8

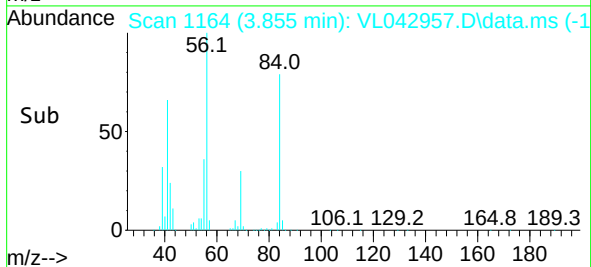
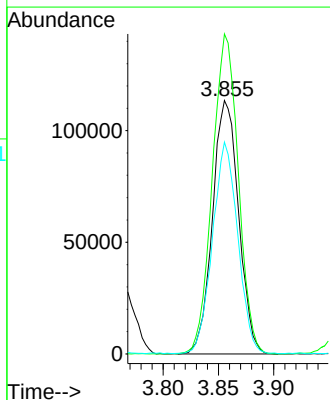
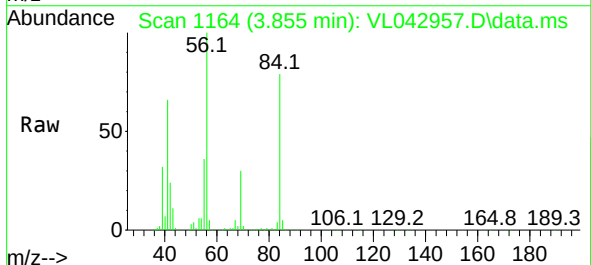
Manual Integrations  
APPROVED

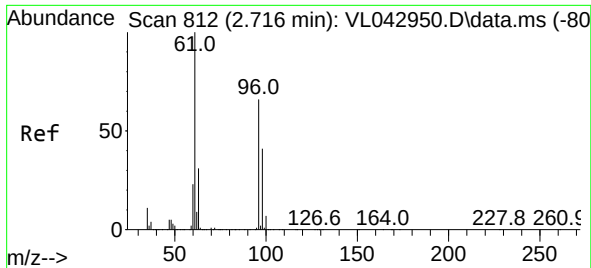
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025



#30  
Cyclohexane  
Concen: 9.286 ppbv  
RT: 3.855 min Scan# 1164  
Delta R.T. 0.003 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

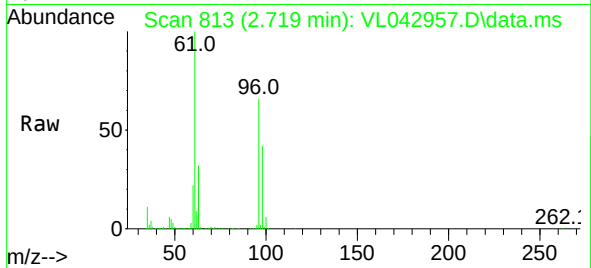
Tgt Ion: 84 Resp: 186186  
Ion Ratio Lower Upper  
84 100  
56 125.6 102.2 153.4  
41 81.2 65.6 98.4





#31  
 cis-1,2-Dichloroethene  
 Concen: 9.497 ppbv  
 RT: 2.719 min Scan# 812  
 Delta R.T. 0.003 min  
 Lab File: VL042957.D  
 Acq: 22 Sep 2025 14:15

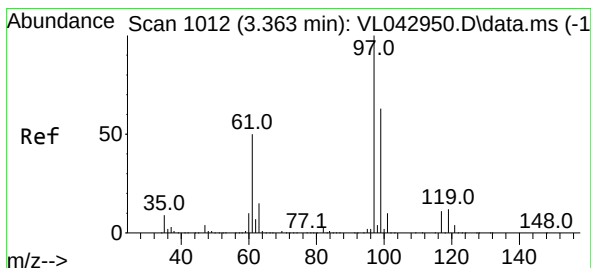
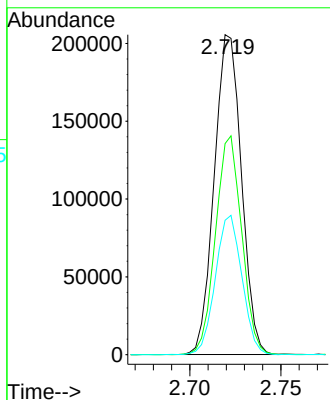
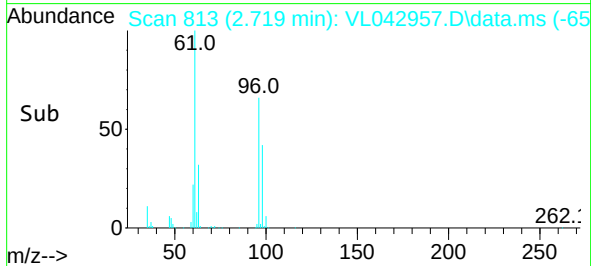
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL092225



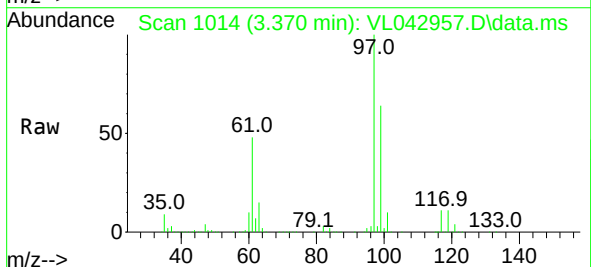
Tgt Ion: 61 Resp: 213362  
 Ion Ratio Lower Upper  
 61 100  
 96 65.9 53.0 79.6  
 98 42.0 32.9 49.3

Manual Integrations  
 APPROVED

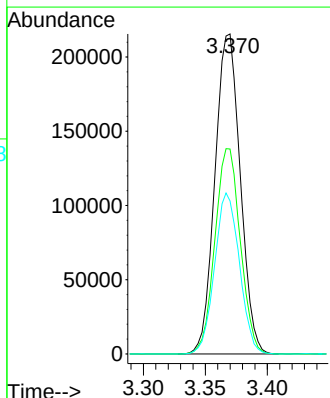
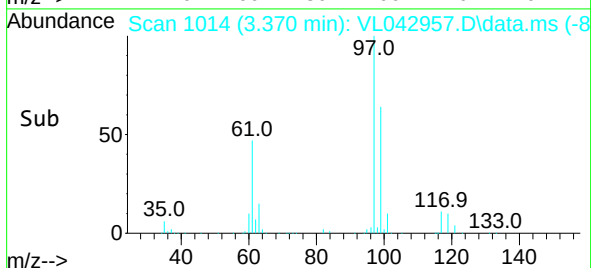
Reviewed By :Semsettin Yesilyurt 09/23/2025  
 Supervised By :Mahesh Dadoda 09/24/2025

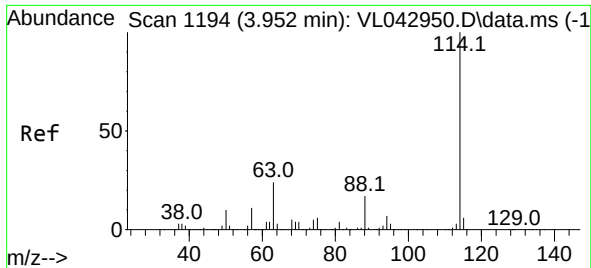


#32  
 1,1,1-Trichloroethane  
 Concen: 9.071 ppbv  
 RT: 3.370 min Scan# 1014  
 Delta R.T. 0.007 min  
 Lab File: VL042957.D  
 Acq: 22 Sep 2025 14:15



Tgt Ion: 97 Resp: 307237  
 Ion Ratio Lower Upper  
 97 100  
 99 64.2 51.1 76.7  
 61 49.3 39.8 59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. 0.003 min

Lab File: VL042957.D

Acq: 22 Sep 2025 14:15

Instrument :

MSVOA\_L

ClientSampleId :

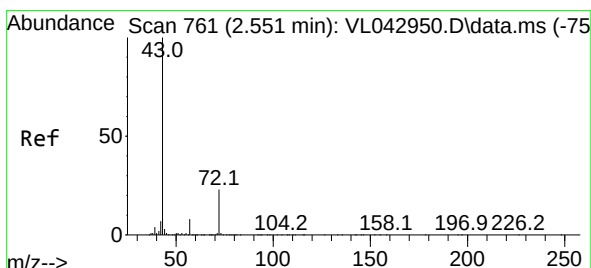
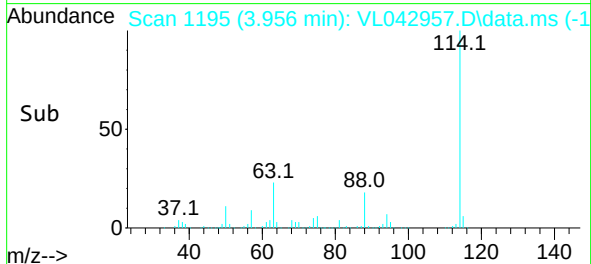
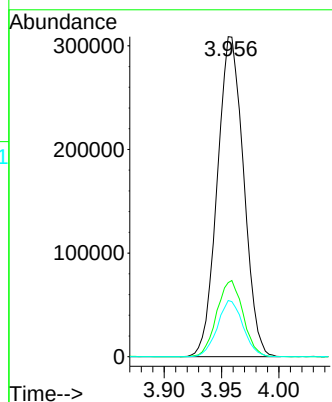
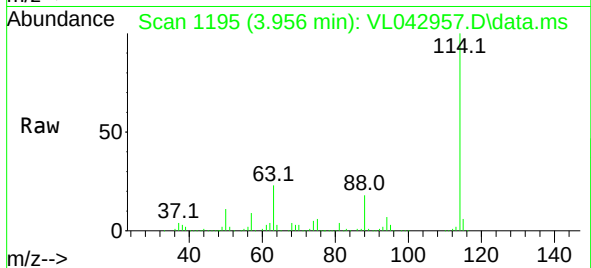
ICVVL092225

Tgt Ion:114 Resp: 493072  
 Ion Ratio Lower Upper  
 114 100  
 63 23.8 19.4 29.2  
 88 17.0 14.2 21.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/23/2025  
 Supervised By :Mahesh Dadoda 09/24/2025



#34

2-Butanone

Concen: 9.081 ppbv

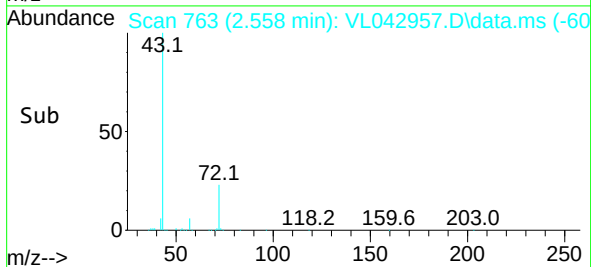
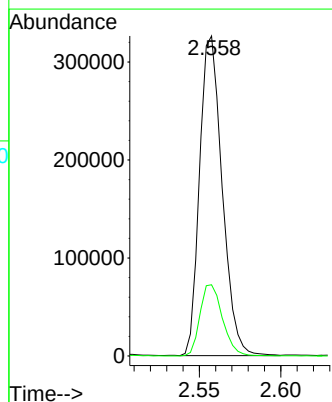
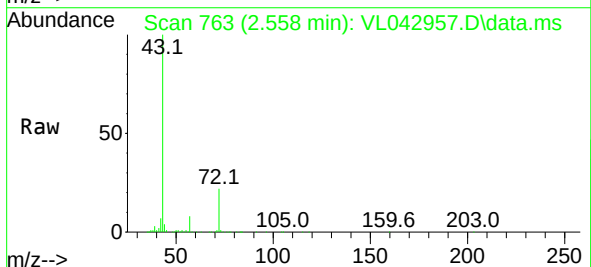
RT: 2.558 min Scan# 763

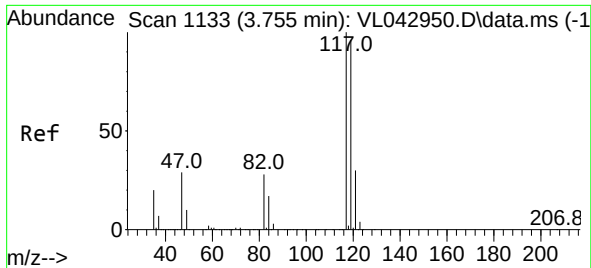
Delta R.T. 0.007 min

Lab File: VL042957.D

Acq: 22 Sep 2025 14:15

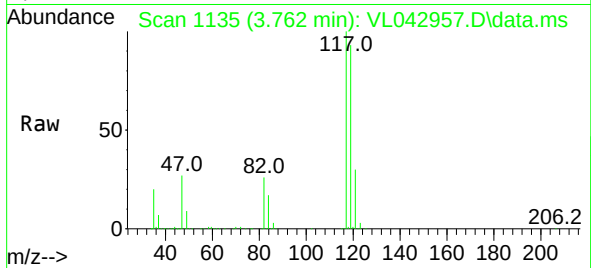
Tgt Ion: 43 Resp: 313801  
 Ion Ratio Lower Upper  
 43 100  
 72 22.3 17.7 26.5





#35  
Carbon Tetrachloride  
Concen: 9.479 ppbv  
RT: 3.762 min Scan# 1133  
Delta R.T. 0.007 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

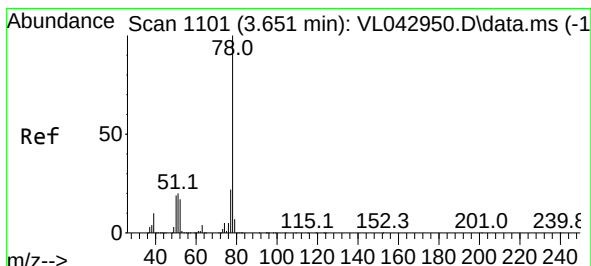
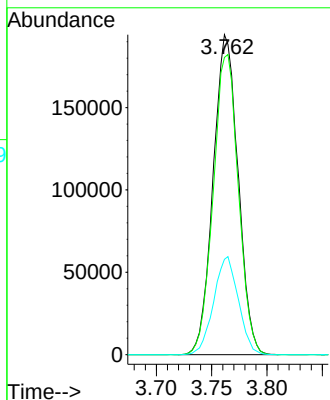
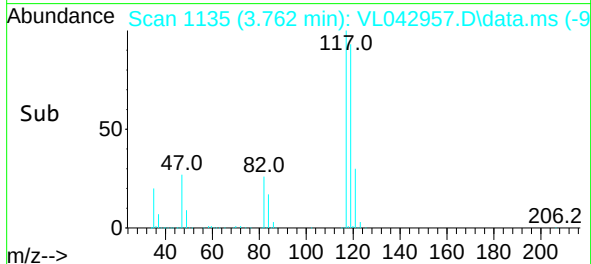
Instrument : MSVOA\_L  
ClientSampleId : ICVVL092225



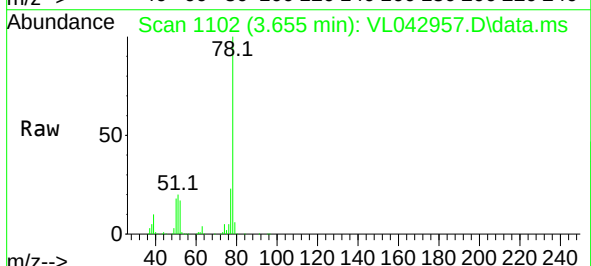
Tgt Ion:117 Resp: 30429  
Ion Ratio Lower Upper  
117 100  
119 92.9 76.9 115.3  
121 29.8 23.7 35.5

Manual Integrations  
APPROVED

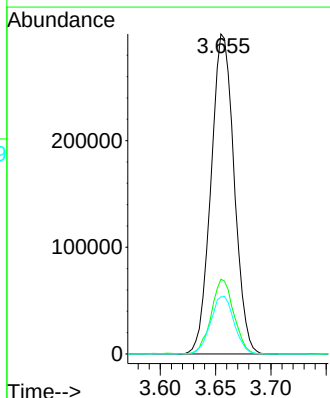
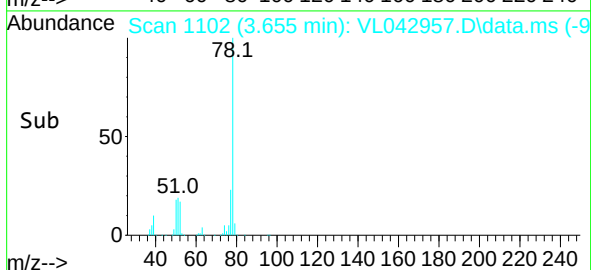
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025

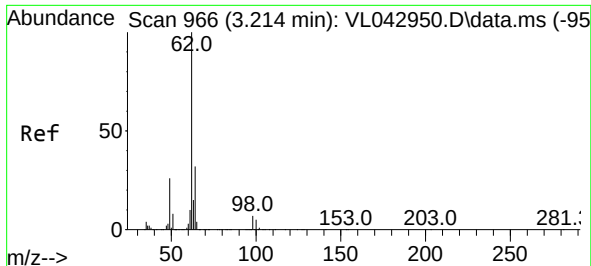


#36  
Benzene  
Concen: 9.416 ppbv  
RT: 3.655 min Scan# 1102  
Delta R.T. 0.003 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15



Tgt Ion: 78 Resp: 435981  
Ion Ratio Lower Upper  
78 100  
77 23.3 17.8 26.6  
50 17.9 15.0 22.4





#37

1,2-Dichloroethane

Concen: 9.581 ppbv

RT: 3.218 min Scan# 90

Delta R.T. 0.003 min

Lab File: VL042957.D

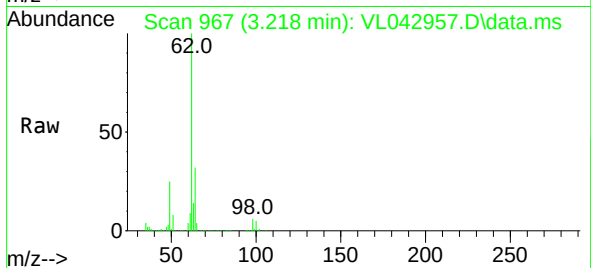
Acq: 22 Sep 2025 14:15

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL092225



Tgt Ion: 62 Resp: 23330

Ion Ratio Lower Upper

62 100

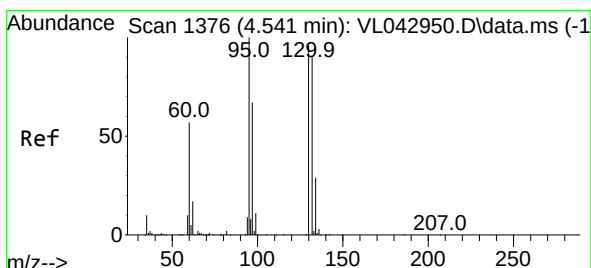
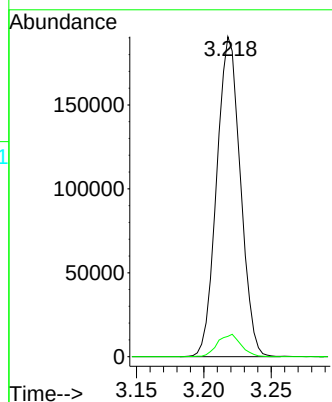
98 7.0 5.9 8.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#38

Trichloroethene

Concen: 8.927 ppbv

RT: 4.548 min Scan# 1378

Delta R.T. 0.007 min

Lab File: VL042957.D

Acq: 22 Sep 2025 14:15

Tgt Ion:130 Resp: 205431

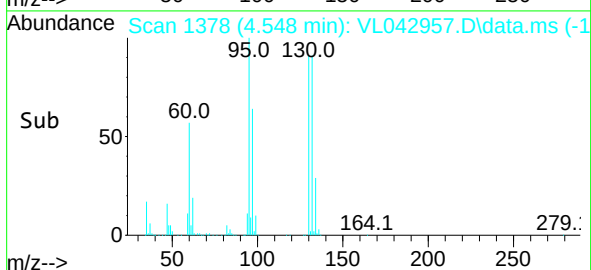
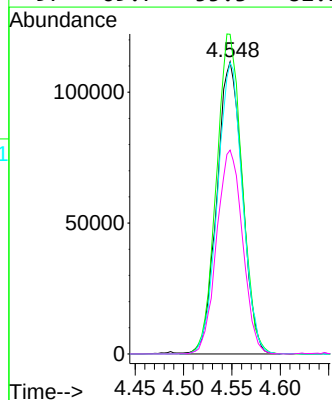
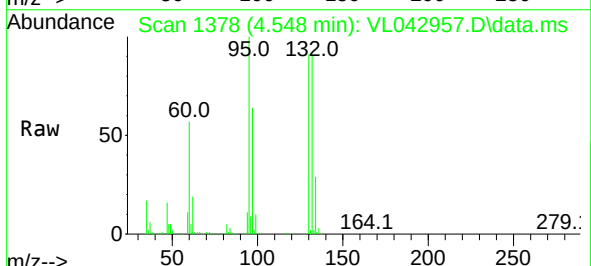
Ion Ratio Lower Upper

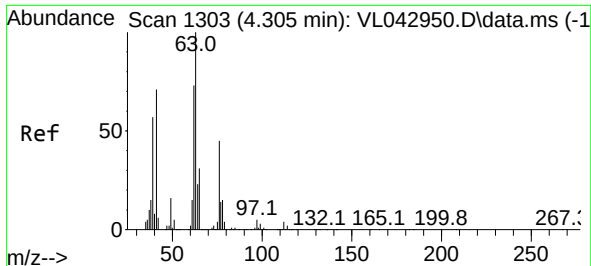
130 100

95 109.4 83.0 124.4

132 99.7 74.6 112.0

97 69.7 55.3 82.9





#39

1,2-Dichloropropane

Concen: 9.482 ppbv

RT: 4.312 min Scan# 11

Delta R.T. 0.007 min

Lab File: VL042957.D

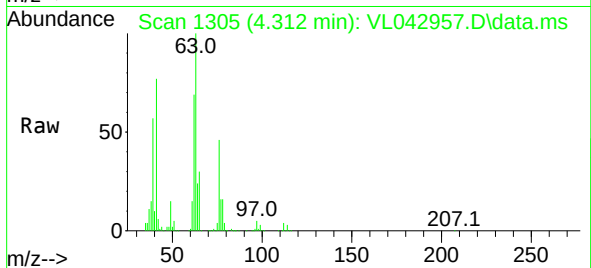
Acq: 22 Sep 2025 14:15

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL092225

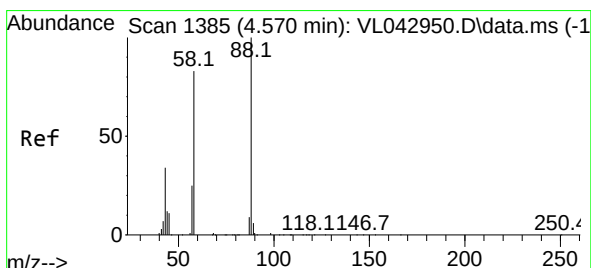
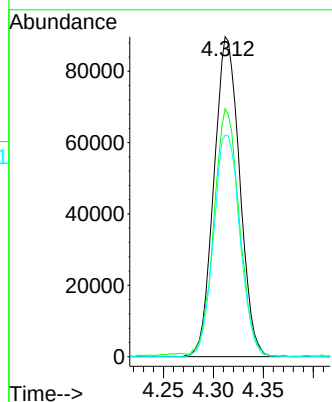


| Tgt Ion:  | 63    | Resp: | 16027 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 63        | 100   |       |       |
| 41        | 77.2  | 57.5  | 86.3  |
| 62        | 69.3  | 58.5  | 87.7  |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025



#40

1,4-Dioxane

Concen: 8.863 ppbv

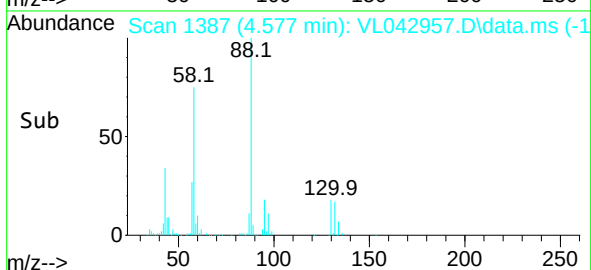
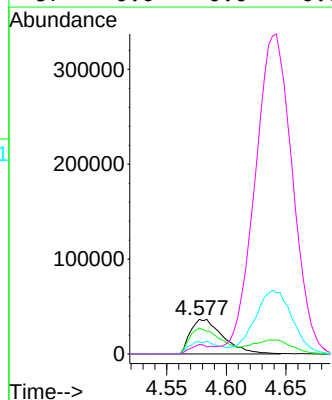
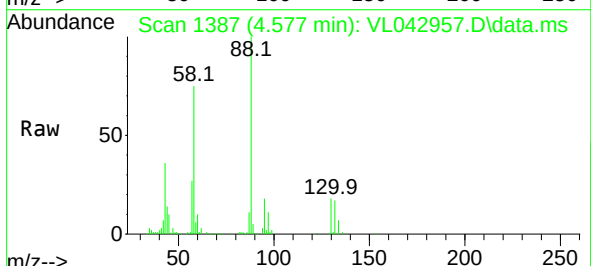
RT: 4.577 min Scan# 1387

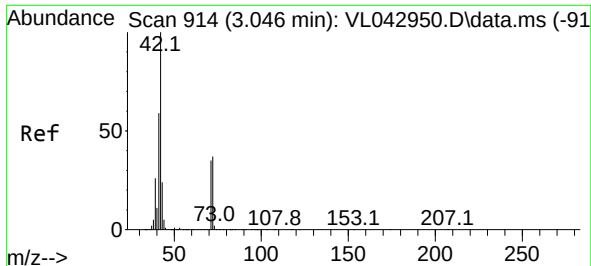
Delta R.T. 0.007 min

Lab File: VL042957.D

Acq: 22 Sep 2025 14:15

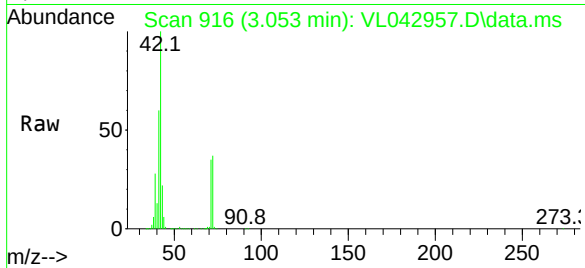
| Tgt Ion:  | 88    | Resp: | 69659 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 58        | 70.6  | 59.7  | 89.5  |
| 43        | 32.1  | 28.9  | 43.3  |
| 57        | 0.0   | 0.0   | 0.0   |





#41  
Tetrahydrofuran  
Concen: 9.277 ppbv  
RT: 3.053 min Scan# 914  
Delta R.T. 0.007 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

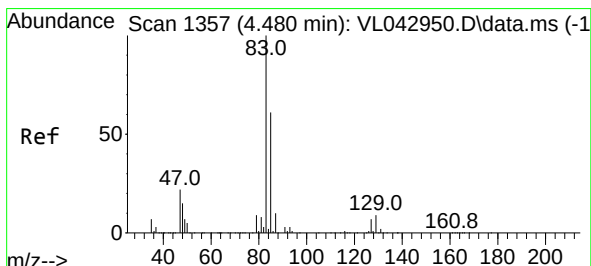
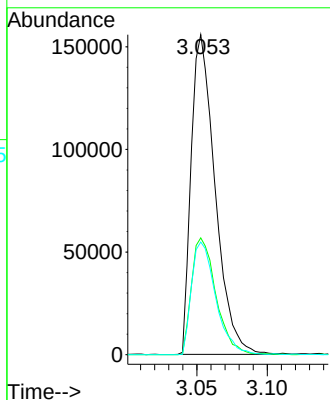
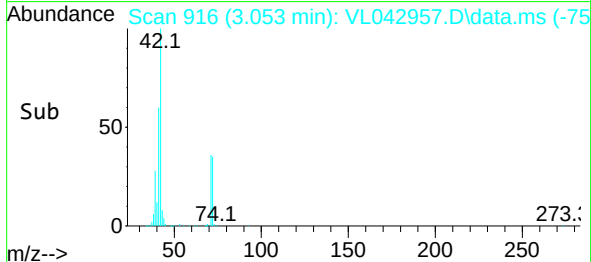
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL092225



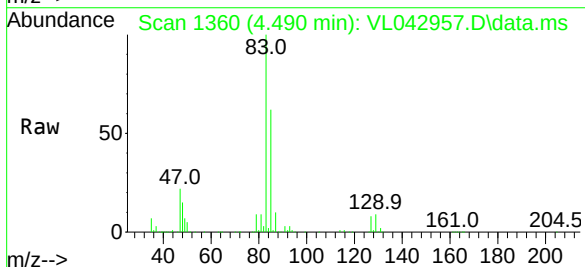
Tgt Ion: 42 Resp: 184258  
Ion Ratio Lower Upper  
42 100  
72 37.4 30.0 45.0  
71 35.9 28.8 43.2

Manual Integrations  
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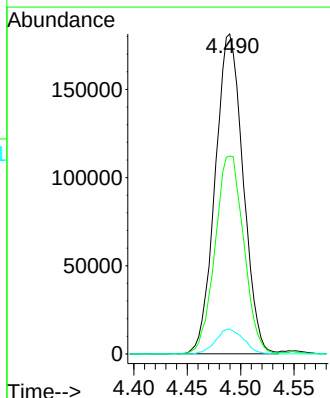
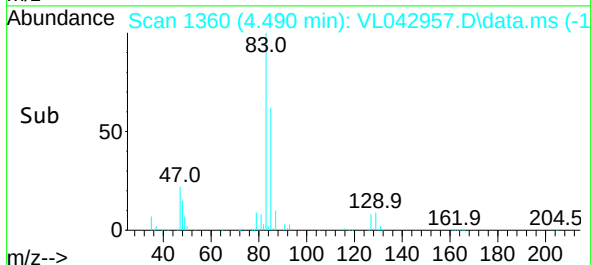
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025



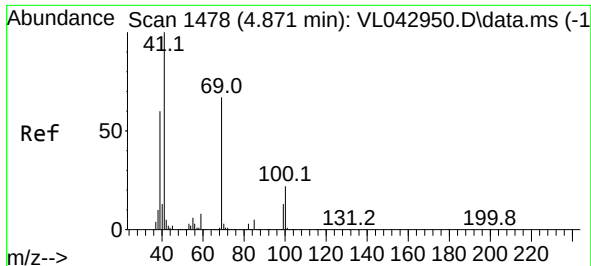
#42  
Bromodichloromethane  
Concen: 9.721 ppbv  
RT: 4.490 min Scan# 1360  
Delta R.T. 0.010 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15



Tgt Ion: 83 Resp: 329680  
Ion Ratio Lower Upper  
83 100  
85 61.8 49.0 73.6  
127 7.8 5.3 7.9







#43

Methyl Methacrylate

Concen: 9.125 ppbv

RT: 4.878 min Scan# 1478

Delta R.T. 0.007 min

Lab File: VL042957.D

Acq: 22 Sep 2025 14:15

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL092225

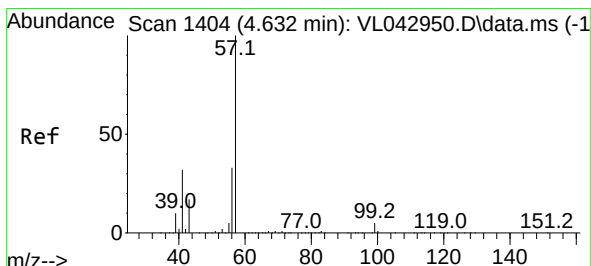
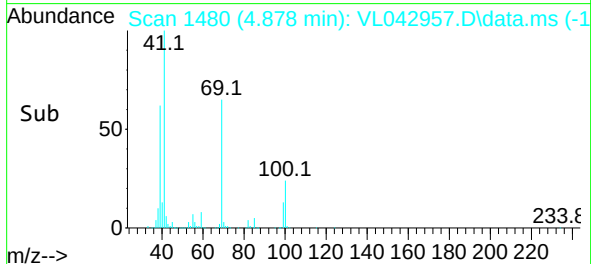
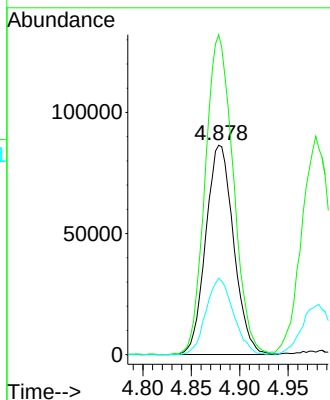
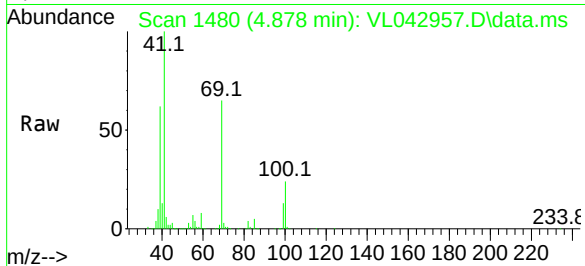
Tgt Ion: 69 Resp: 17286

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 153.4 | 124.5 | 186.7 |
| 100 | 36.1  | 29.0  | 43.6  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025



#44

2,2,4-Trimethylpentane

Concen: 9.239 ppbv

RT: 4.642 min Scan# 1407

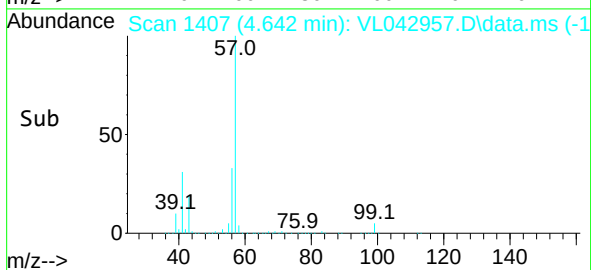
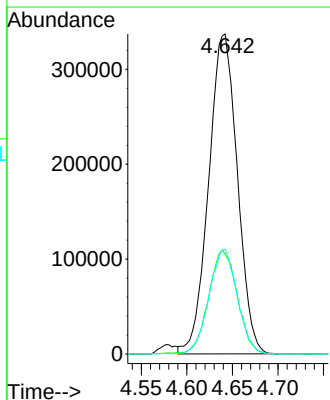
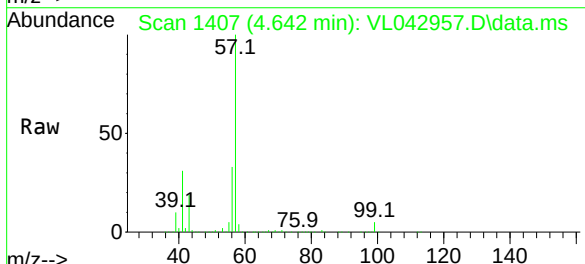
Delta R.T. 0.010 min

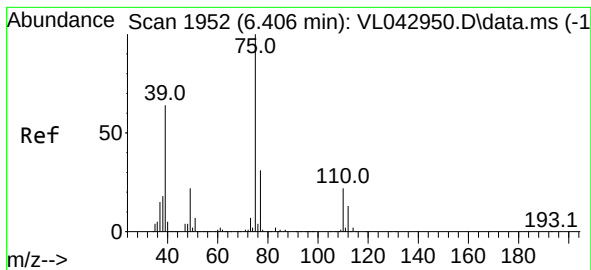
Lab File: VL042957.D

Acq: 22 Sep 2025 14:15

Tgt Ion: 57 Resp: 738876

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 32.5  | 25.5  | 38.3  |
| 56  | 32.3  | 25.8  | 38.8  |





#45

t-1,3-Dichloropropene

Concen: 9.321 ppbv

RT: 6.416 min Scan# 1952

Delta R.T. 0.010 min

Lab File: VL042957.D

Acq: 22 Sep 2025 14:15

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL092225

Tgt Ion: 75 Resp: 18833

Ion Ratio Lower Upper

75 100

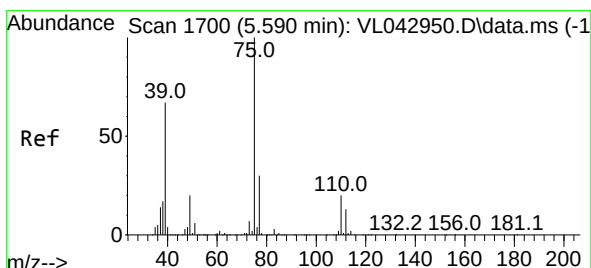
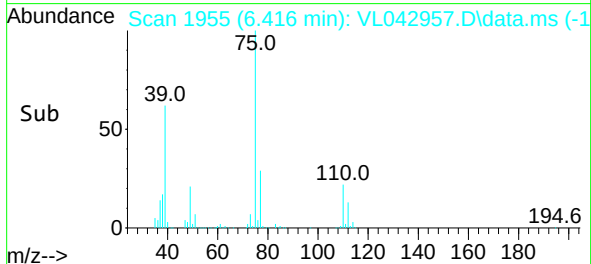
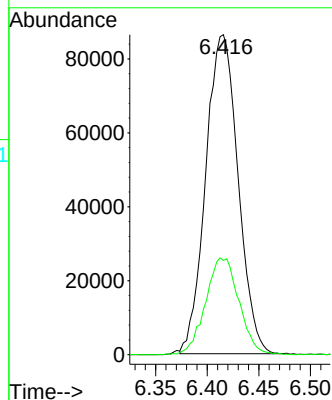
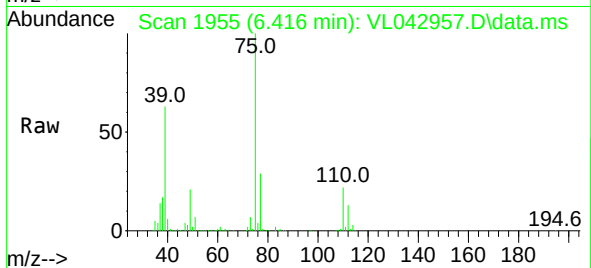
77 29.5 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#46

cis-1,3-Dichloropropene

Concen: 9.490 ppbv

RT: 5.603 min Scan# 1704

Delta R.T. 0.013 min

Lab File: VL042957.D

Acq: 22 Sep 2025 14:15

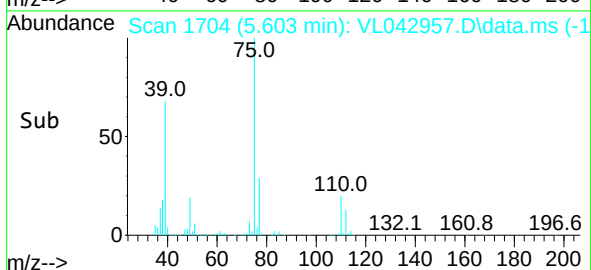
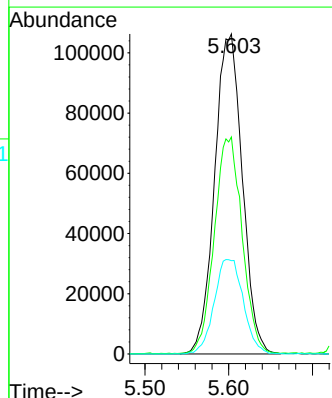
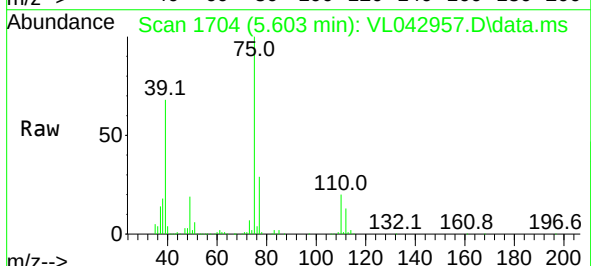
Tgt Ion: 75 Resp: 244367

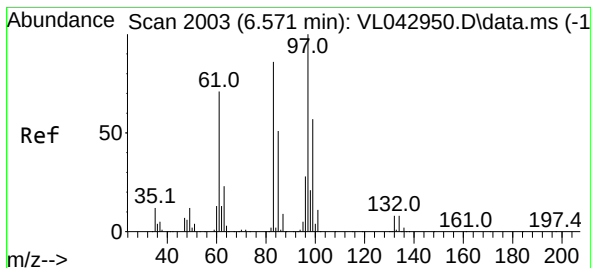
Ion Ratio Lower Upper

75 100

39 67.6 53.8 80.6

77 29.1 23.6 35.4





#47

1,1,2-Trichloroethane

Concen: 9.279 ppbv

RT: 6.577 min Scan# 2003

Delta R.T. 0.007 min

Lab File: VL042957.D

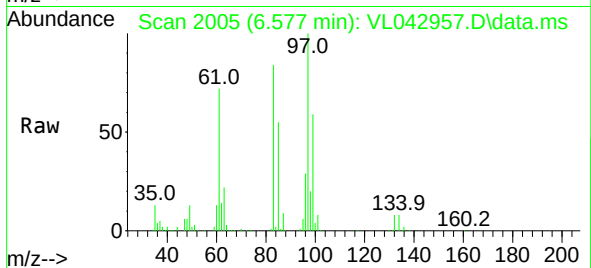
Acq: 22 Sep 2025 14:15

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL092225



Tgt Ion: 97 Resp: 16572

Ion Ratio Lower Upper

97 100

83 84.4 68.7 103.1

85 54.5 40.6 60.8

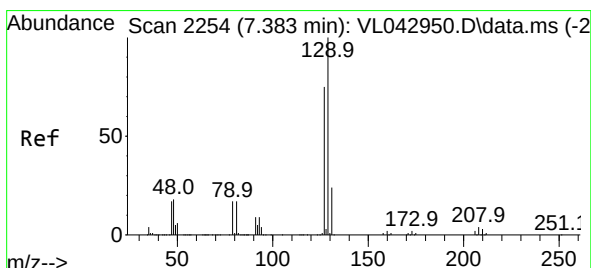
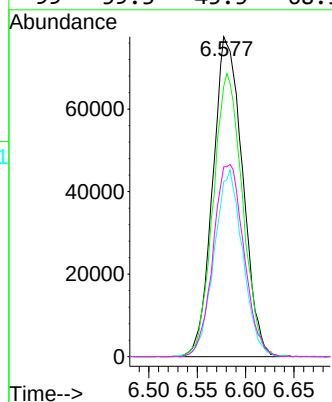
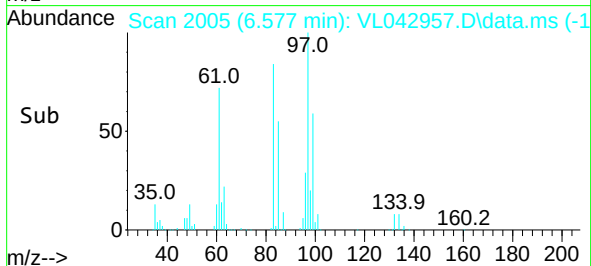
99 59.3 45.5 68.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#48

Dibromochloromethane

Concen: 9.732 ppbv

RT: 7.387 min Scan# 2255

Delta R.T. 0.003 min

Lab File: VL042957.D

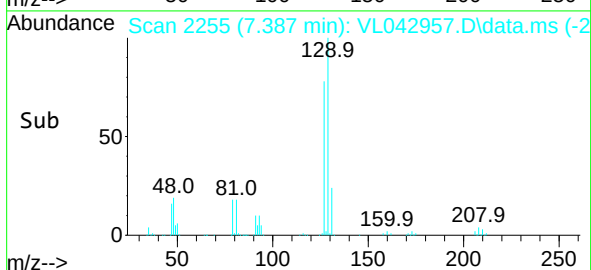
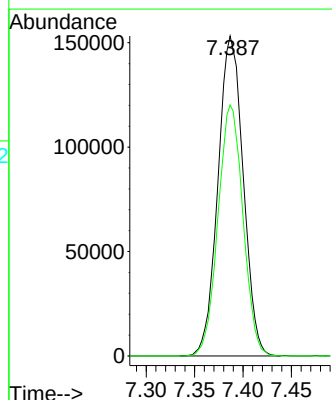
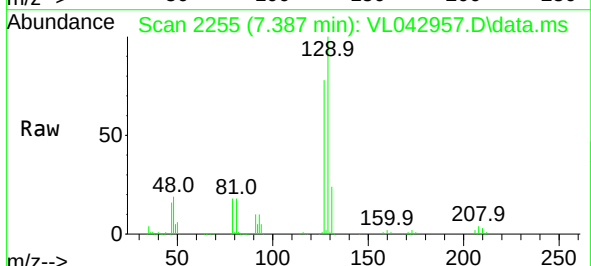
Acq: 22 Sep 2025 14:15

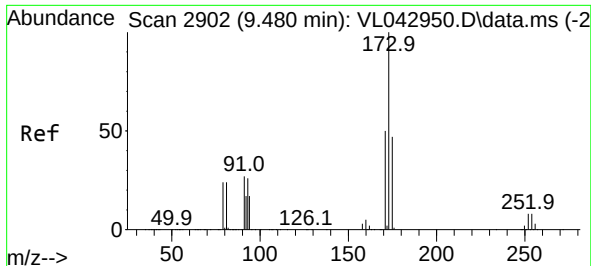
Tgt Ion:129 Resp: 278090

Ion Ratio Lower Upper

129 100

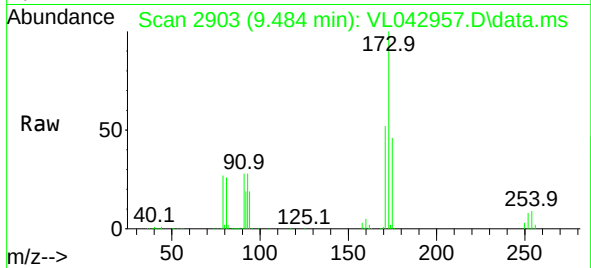
127 77.5 39.1 117.2





#49  
Bromoform  
Concen: 9.589 ppbv  
RT: 9.484 min Scan# 2903  
Delta R.T. 0.003 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

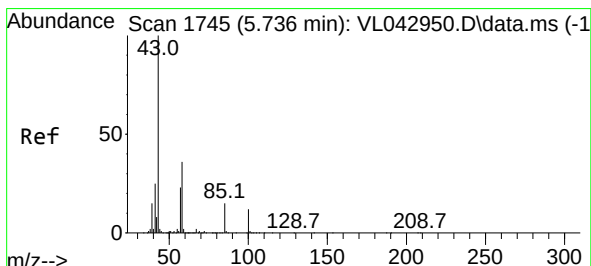
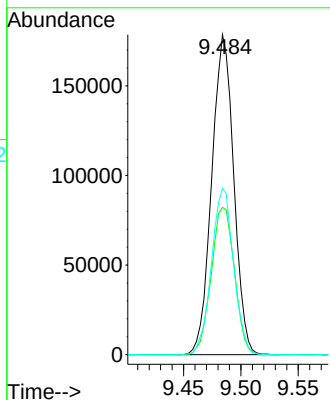
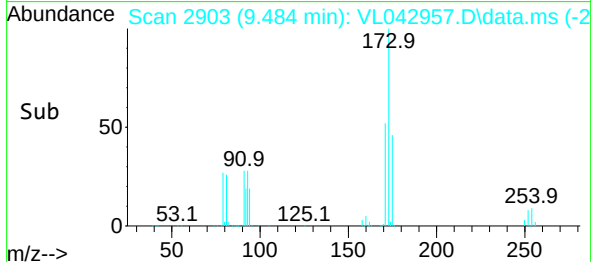
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL092225



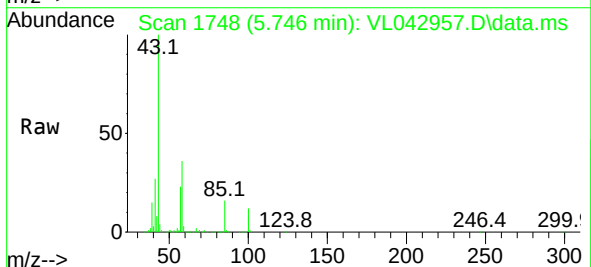
Tgt Ion:173 Resp: 23833  
Ion Ratio Lower Upper  
173 100  
175 48.6 37.9 56.9  
171 52.1 41.1 61.7

Manual Integrations  
APPROVED

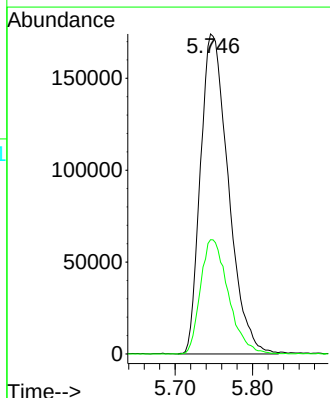
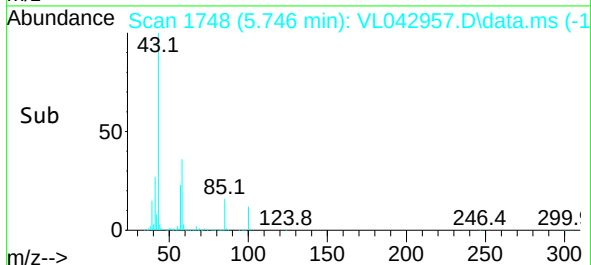
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025

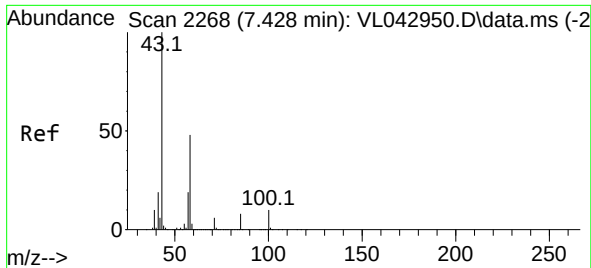


#50  
4-Methyl-2-Pentanone  
Concen: 9.411 ppbv  
RT: 5.746 min Scan# 1748  
Delta R.T. 0.010 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15



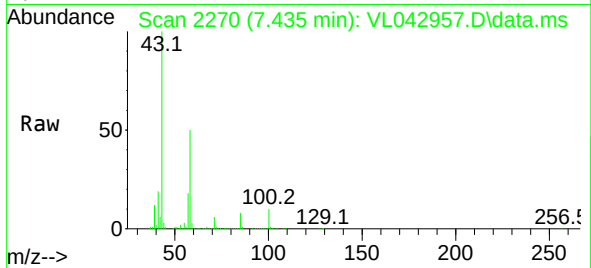
Tgt Ion: 43 Resp: 435845  
Ion Ratio Lower Upper  
43 100  
58 35.8 28.4 42.6





#51  
2-Hexanone  
Concen: 9.561 ppbv  
RT: 7.435 min Scan# 21  
Delta R.T. 0.007 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

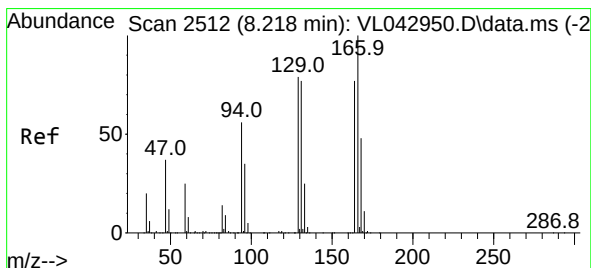
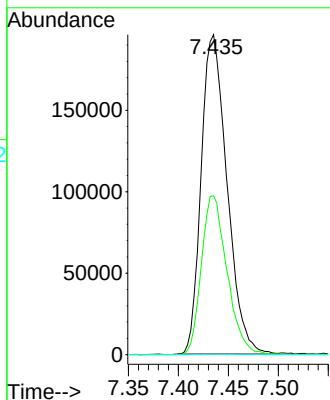
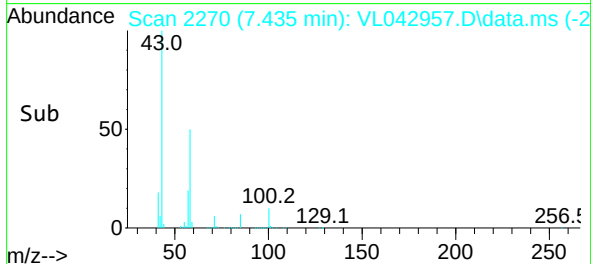
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL092225



Tgt Ion: 43 Resp: 352962  
Ion Ratio Lower Upper  
43 100  
58 49.5 39.7 59.5  
98 0.1 0.1 0.1

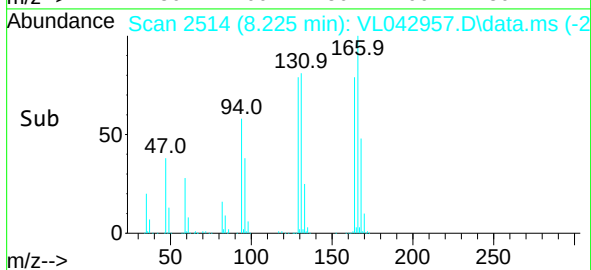
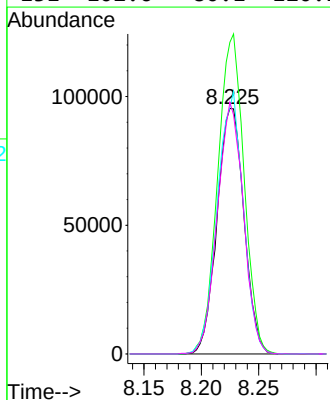
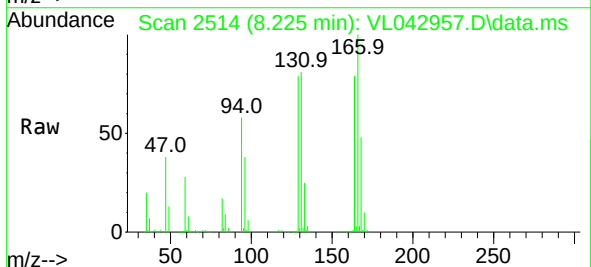
Manual Integrations  
APPROVED

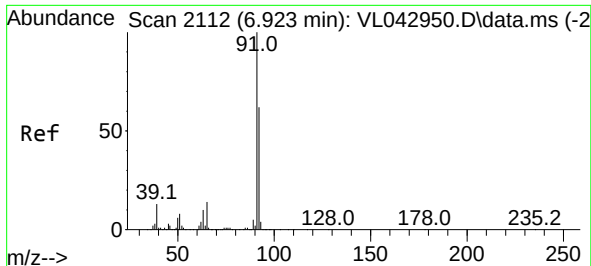
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025



#52  
Tetrachloroethene  
Concen: 8.678 ppbv  
RT: 8.225 min Scan# 2514  
Delta R.T. 0.007 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

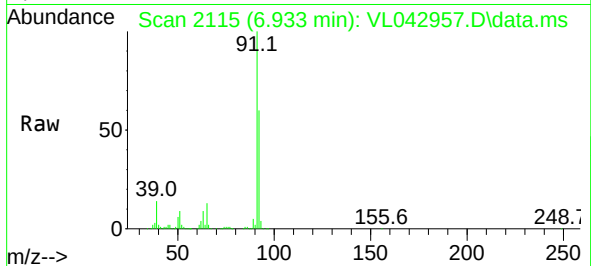
Tgt Ion:164 Resp: 155469  
Ion Ratio Lower Upper  
164 100  
166 127.0 103.5 155.3  
129 100.4 82.2 123.4  
131 102.6 80.1 120.1





#53  
Toluene  
Concen: 9.306 ppbv  
RT: 6.933 min Scan# 2115  
Delta R.T. 0.010 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

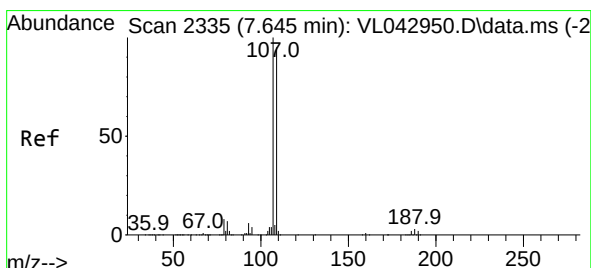
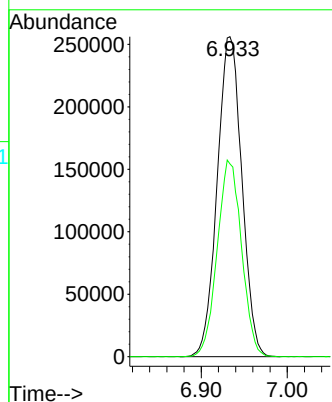
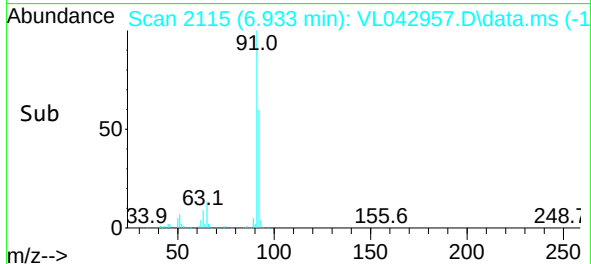
Instrument : MSVOA\_L  
Client Sample Id : ICVVL092225



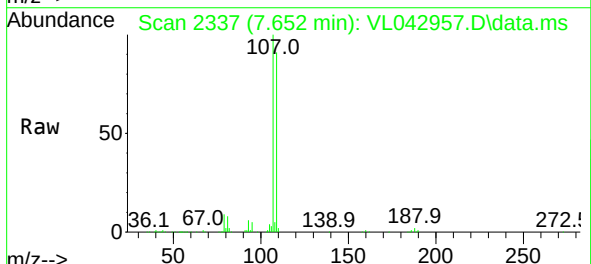
Tgt Ion: 91 Resp: 50996  
Ion Ratio Lower Upper  
91 100  
92 60.7 48.2 72.2

Manual Integrations  
APPROVED

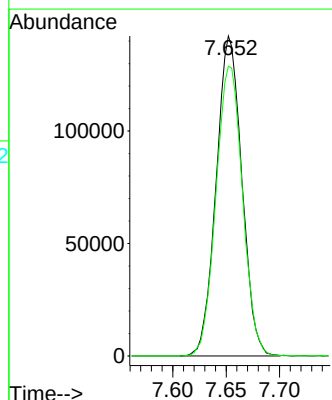
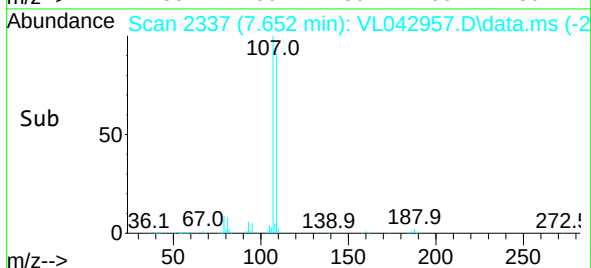
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025

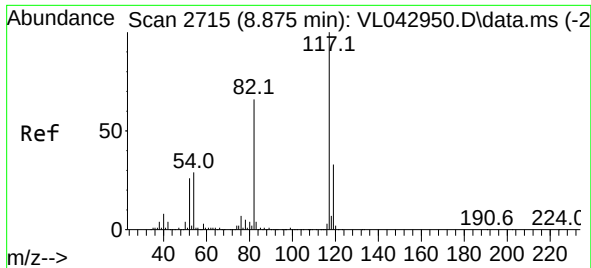


#54  
1,2-Dibromoethane  
Concen: 9.452 ppbv  
RT: 7.652 min Scan# 2337  
Delta R.T. 0.007 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15



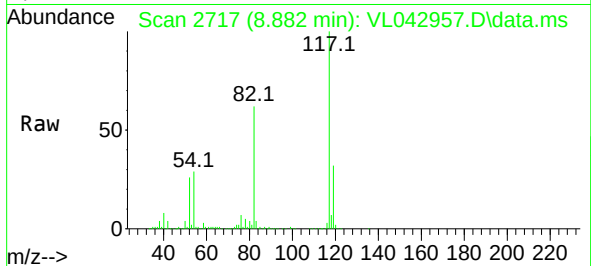
Tgt Ion:107 Resp: 237604  
Ion Ratio Lower Upper  
107 100  
109 90.6 75.8 113.8





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.882 min Scan# 21  
Delta R.T. 0.007 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

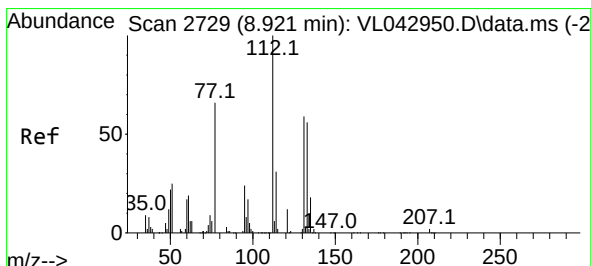
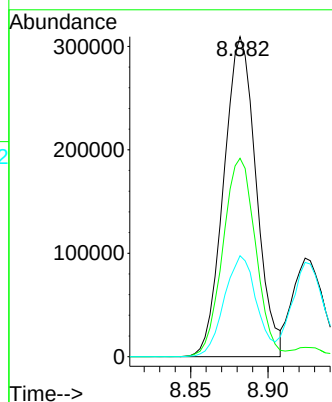
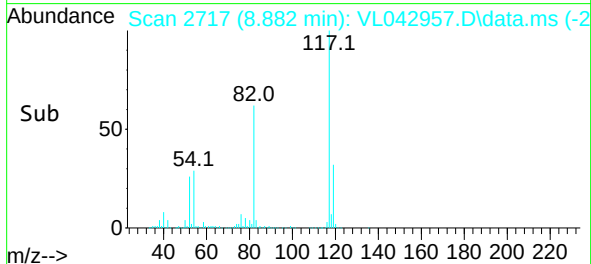
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL092225



Tgt Ion:117 Resp: 450930  
Ion Ratio Lower Upper  
117 100  
82 65.5 52.8 79.2  
119 32.4 26.5 39.7

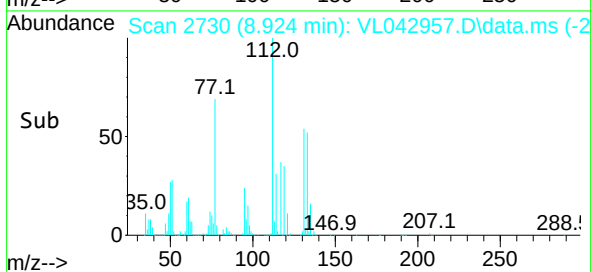
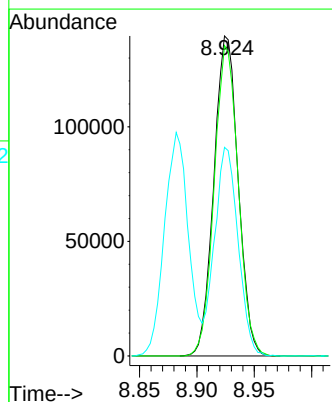
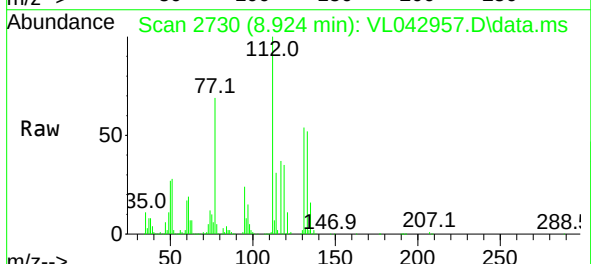
Manual Integrations  
APPROVED

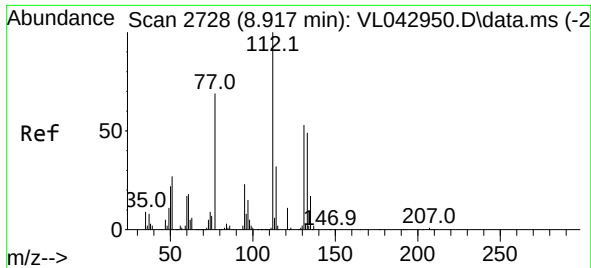
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025



#56  
1,1,1,2-Tetrachloroethane  
Concen: 9.536 ppbv  
RT: 8.924 min Scan# 2730  
Delta R.T. 0.003 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

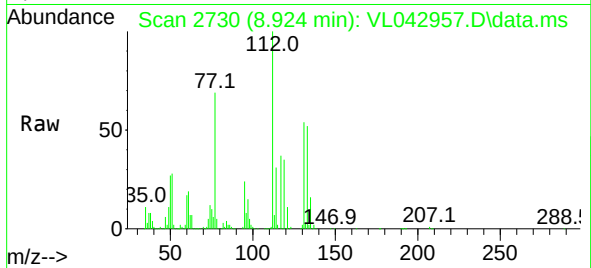
Tgt Ion:131 Resp: 205811  
Ion Ratio Lower Upper  
131 100  
133 96.0 76.6 114.8  
119 64.5 49.9 74.9





#57  
Chlorobenzene  
Concen: 9.209 ppbv  
RT: 8.924 min Scan# 21  
Delta R.T. 0.007 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

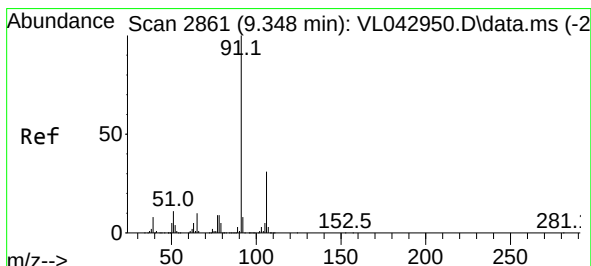
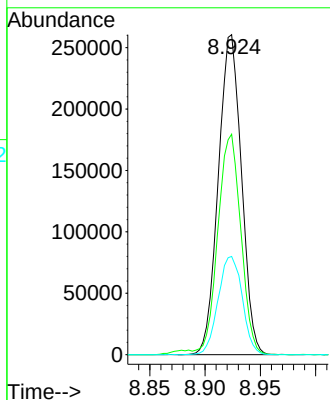
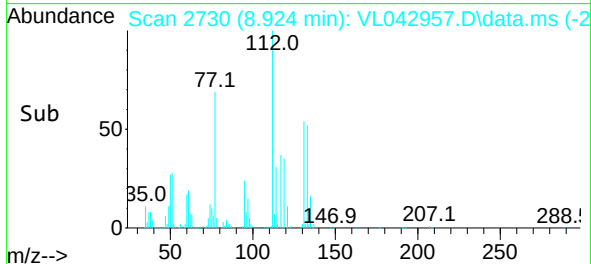
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL092225



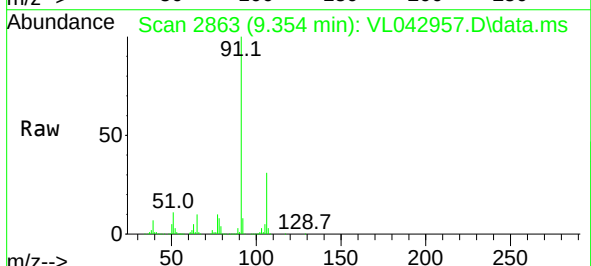
Tgt Ion:112 Resp: 379110  
Ion Ratio Lower Upper  
112 100  
77 68.9 55.7 83.5  
114 30.7 28.6 35.0

Manual Integrations  
APPROVED

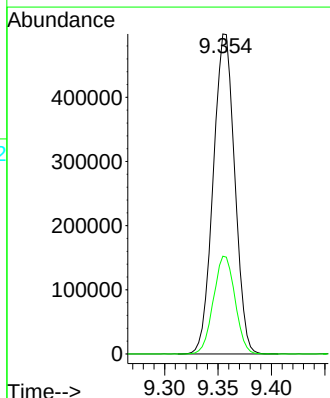
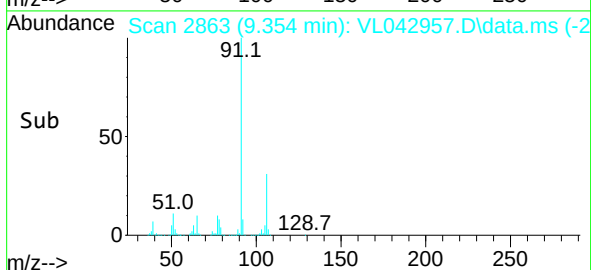
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025



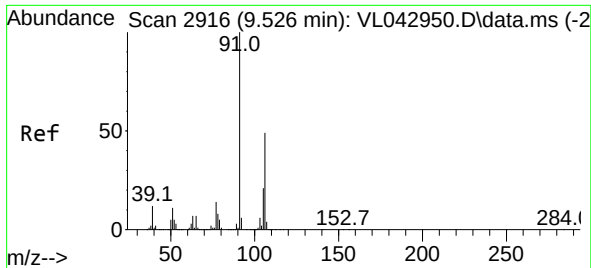
#58  
Ethyl Benzene  
Concen: 9.428 ppbv  
RT: 9.354 min Scan# 2863  
Delta R.T. 0.007 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15



Tgt Ion: 91 Resp: 698086  
Ion Ratio Lower Upper  
91 100  
106 30.6 24.6 37.0







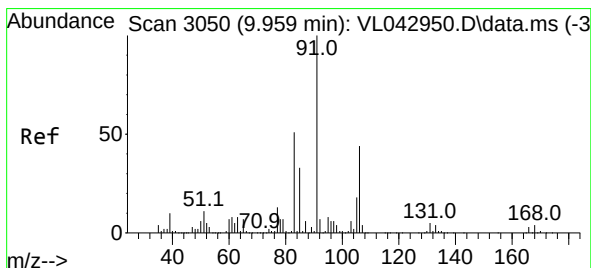
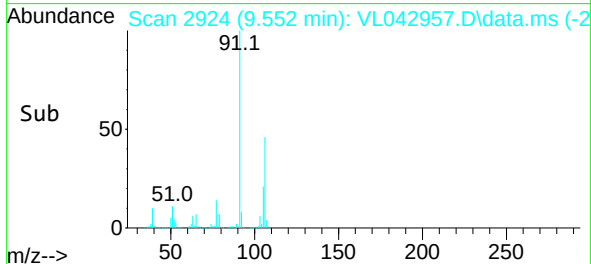
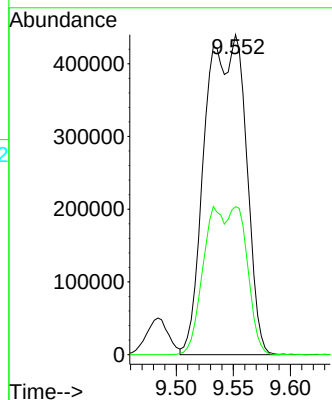
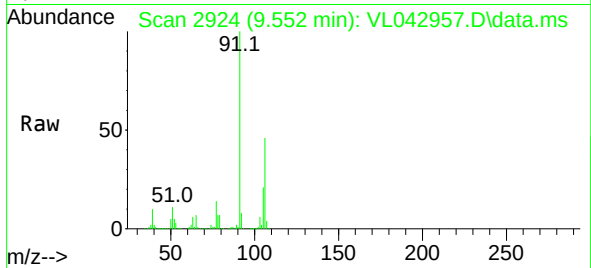
#59  
m/p-Xylene  
Concen: 18.715 ppbv m  
RT: 9.552 min Scan# 2916  
Delta R.T. 0.026 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL092225

Tgt Ion: 91 Resp: 1092490  
Ion Ratio Lower Upper  
91 100  
106 47.5 0.0 0.0

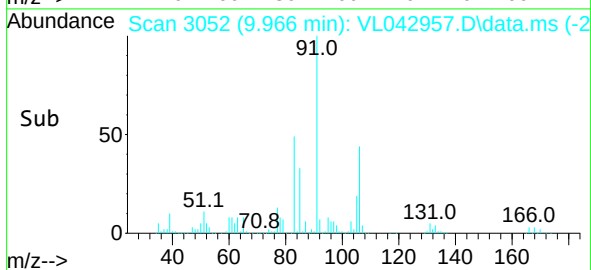
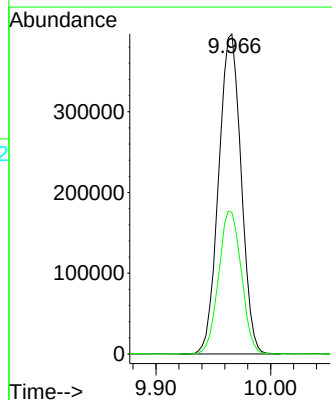
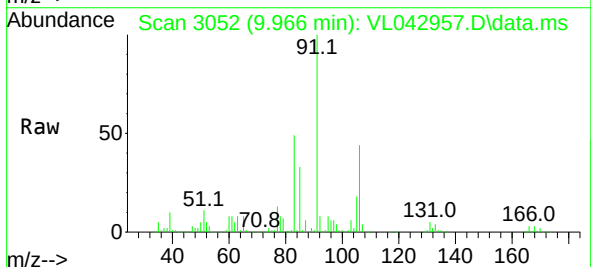
Manual Integrations  
APPROVED

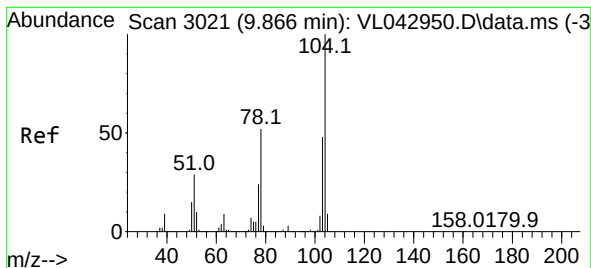
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025



#60  
o-Xylene  
Concen: 9.236 ppbv  
RT: 9.966 min Scan# 3052  
Delta R.T. 0.007 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

Tgt Ion: 91 Resp: 538861  
Ion Ratio Lower Upper  
91 100  
106 45.2 22.4 67.0





#61

Styrene

Concen: 9.575 ppbv

RT: 9.872 min Scan# 3021

Delta R.T. 0.007 min

Lab File: VL042957.D

Acq: 22 Sep 2025 14:15

Instrument :

MSVOA\_L

ClientSampleId :

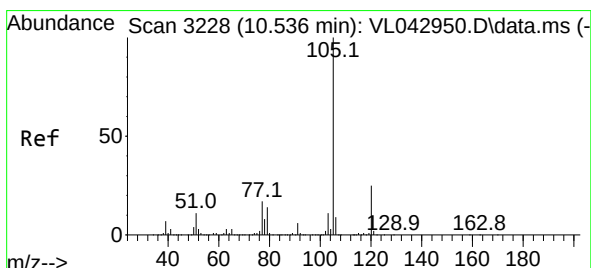
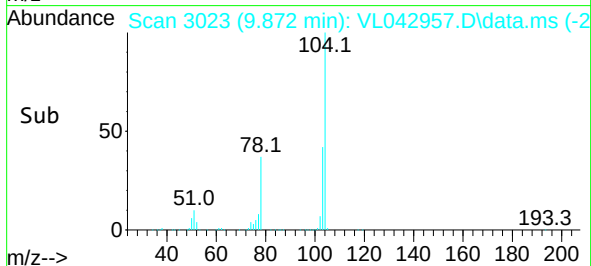
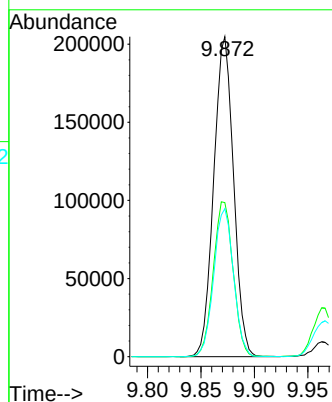
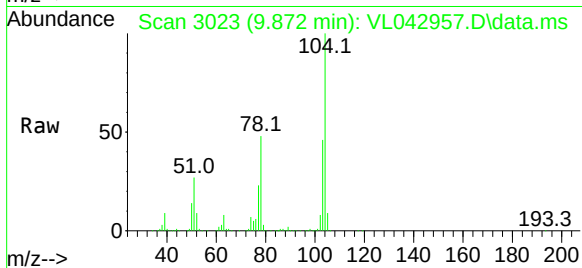
ICVVL092225

Tgt Ion:104 Resp: 26425  
 Ion Ratio Lower Upper  
 104 100  
 78 48.5 39.9 59.9  
 103 46.3 36.9 55.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/23/2025  
 Supervised By :Mahesh Dadoda 09/24/2025



#62

Isopropylbenzene

Concen: 9.230 ppbv

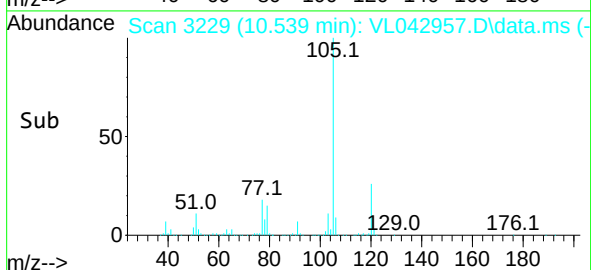
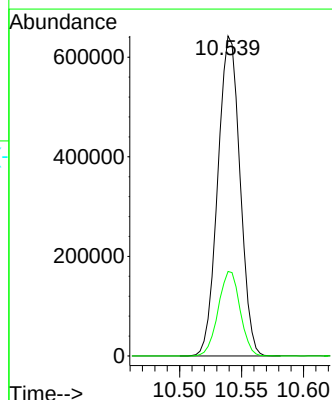
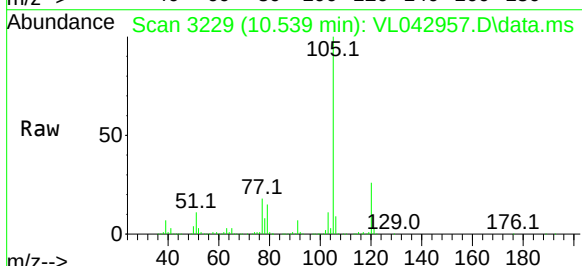
RT: 10.539 min Scan# 3229

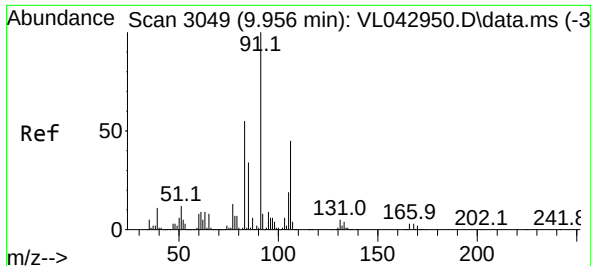
Delta R.T. 0.003 min

Lab File: VL042957.D

Acq: 22 Sep 2025 14:15

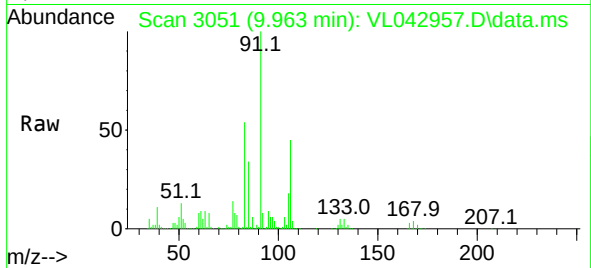
Tgt Ion:105 Resp: 802723  
 Ion Ratio Lower Upper  
 105 100  
 120 26.0 20.6 30.8





#63  
1,1,2,2-Tetrachloroethane  
Concen: 8.883 ppbv  
RT: 9.963 min Scan# 3049  
Delta R.T. 0.007 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

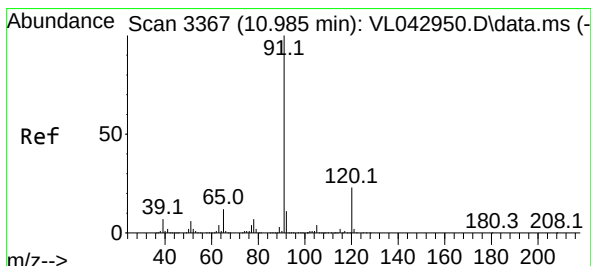
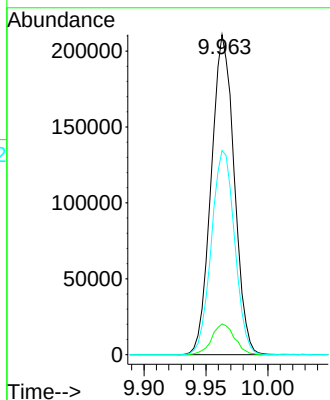
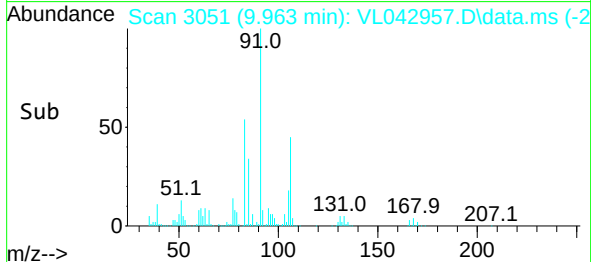
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL092225



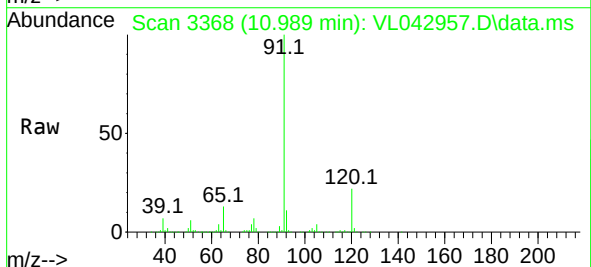
Tgt Ion: 83 Resp: 272410  
Ion Ratio Lower Upper  
83 100  
131 9.6 4.8 14.4  
85 64.7 32.2 96.6

Manual Integrations  
APPROVED

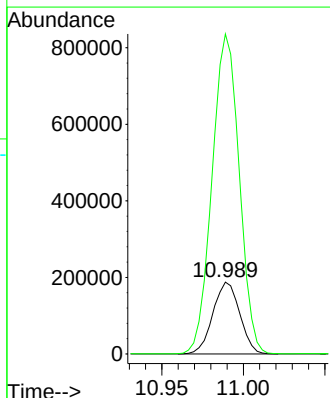
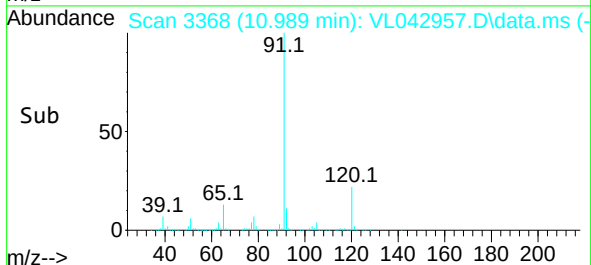
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025

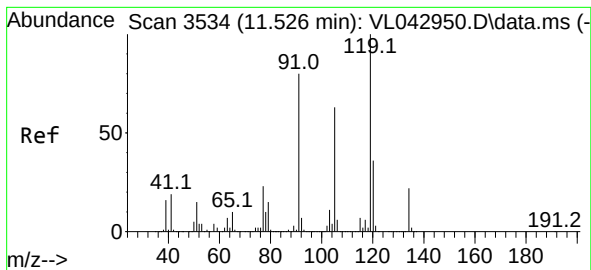


#64  
n-propylbenzene  
Concen: 9.433 ppbv  
RT: 10.989 min Scan# 3368  
Delta R.T. 0.003 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15



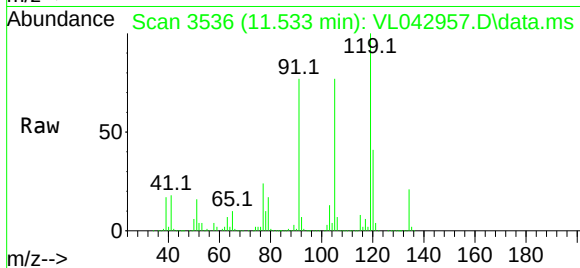
Tgt Ion:120 Resp: 214374  
Ion Ratio Lower Upper  
120 100  
91 452.3 364.9 547.3





#65  
tert-Butylbenzene  
Concen: 9.196 ppbv  
RT: 11.533 min Scan# 3536  
Delta R.T. 0.007 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

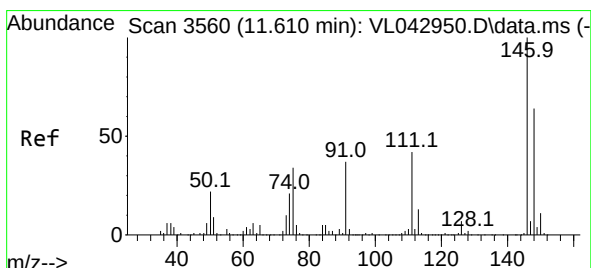
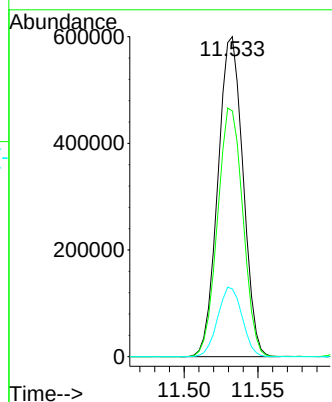
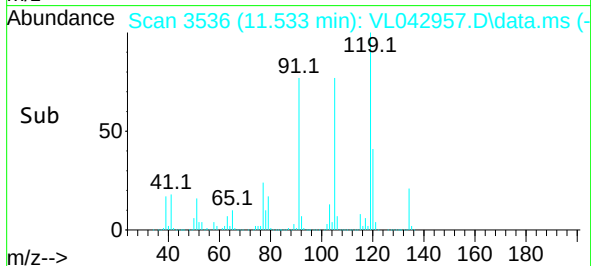
Instrument : MSVOA\_L  
ClientSampleId : ICVVL092225



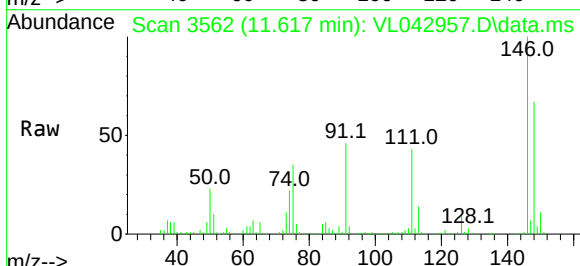
Tgt Ion: 119 Resp: 711319  
Ion Ratio Lower Upper  
119 100  
91 78.3 63.1 94.7  
134 21.1 17.0 25.6

Manual Integrations  
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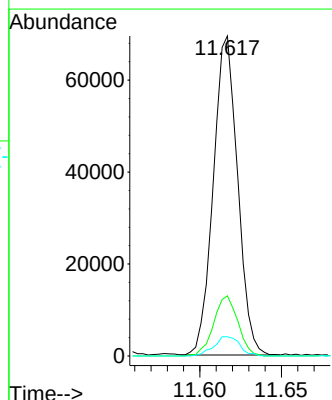
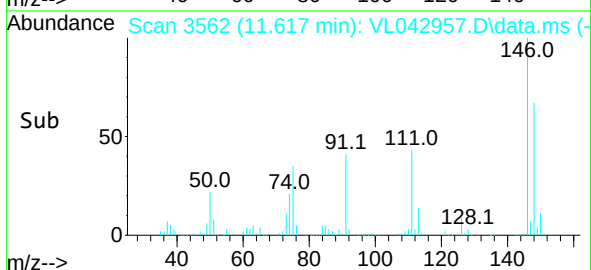
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025

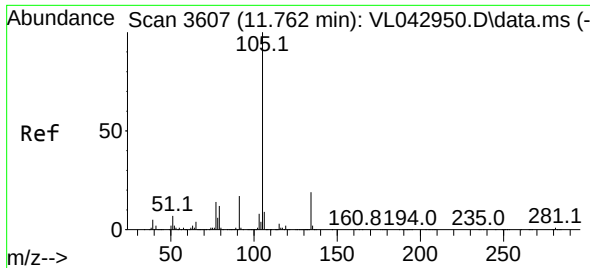


#66  
Benzyl Chloride  
Concen: 8.858 ppbv  
RT: 11.617 min Scan# 3562  
Delta R.T. 0.007 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15



Tgt Ion: 91 Resp: 71896  
Ion Ratio Lower Upper  
91 100  
126 18.8 14.6 21.8  
128 6.4 5.0 7.4





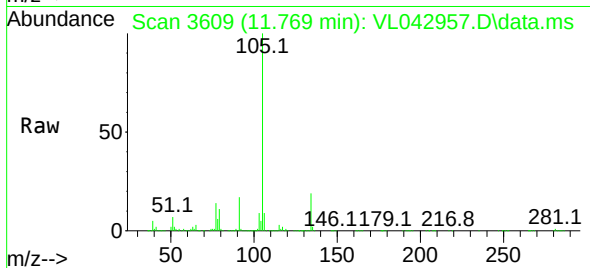
#67  
 sec-Butylbenzene  
 Concen: 9.235 ppbv  
 RT: 11.769 min Scan# 30  
 Delta R.T. 0.007 min  
 Lab File: VL042957.D  
 Acq: 22 Sep 2025 14:15

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL092225

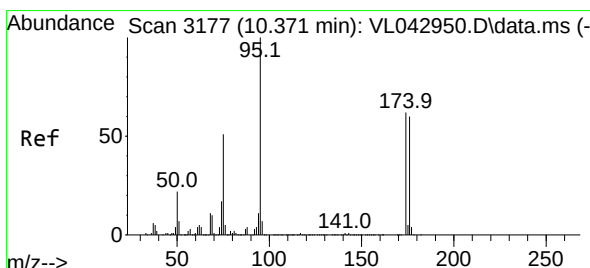
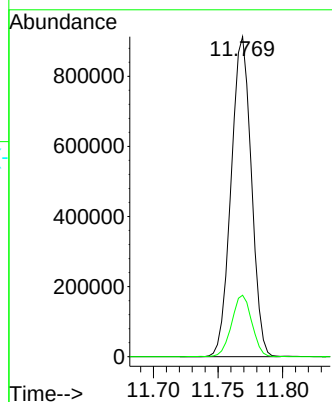
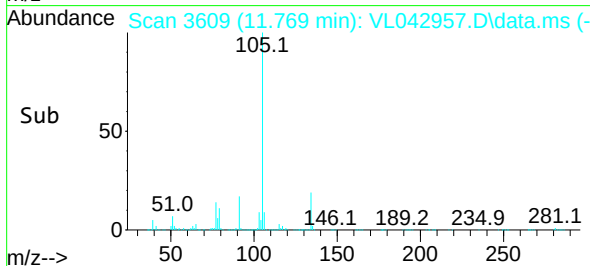


Tgt Ion:105 Resp: 99540  
 Ion Ratio Lower Upper  
 105 100  
 134 19.2 15.7 23.5

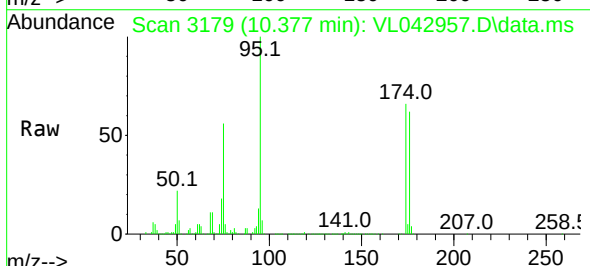
Manual Integrations

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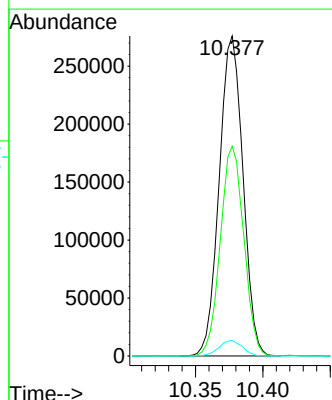
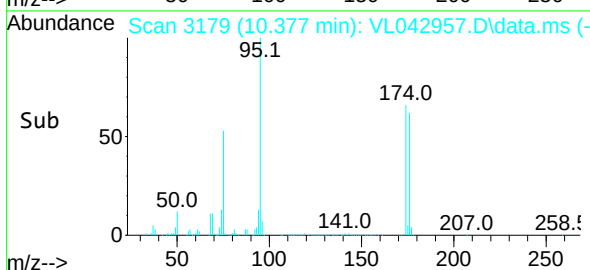
Reviewed By :Semsettin Yesilyurt 09/23/2025  
 Supervised By :Mahesh Dadoda 09/24/2025

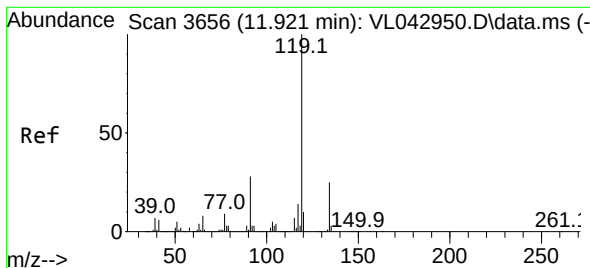


#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.043 ppbv  
 RT: 10.377 min Scan# 3179  
 Delta R.T. 0.007 min  
 Lab File: VL042957.D  
 Acq: 22 Sep 2025 14:15



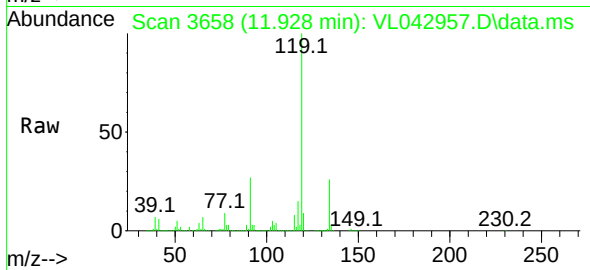
Tgt Ion: 95 Resp: 338071  
 Ion Ratio Lower Upper  
 95 100  
 174 65.0 51.4 77.2  
 175 4.8 4.0 6.0





#69  
p-Isopropyltoluene  
Concen: 9.316 ppbv  
RT: 11.928 min Scan# 3658  
Delta R.T. 0.007 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

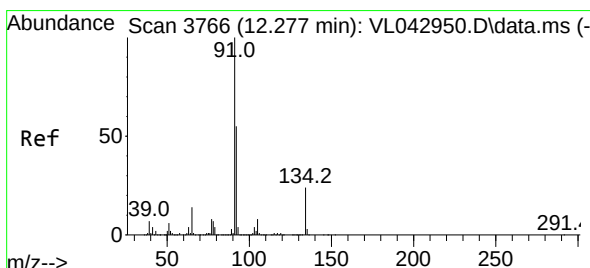
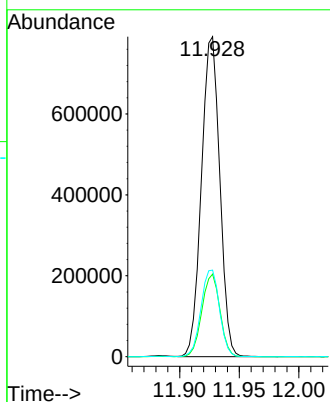
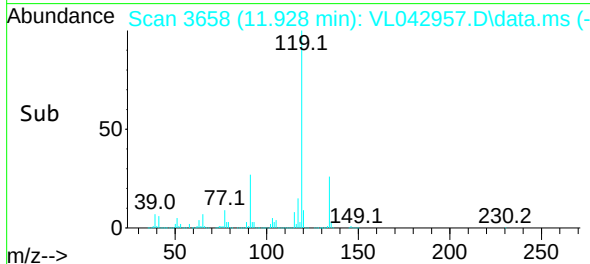
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL092225



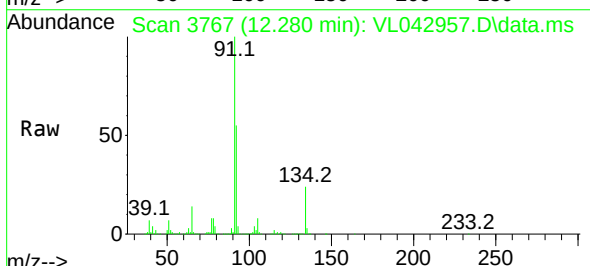
Tgt Ion:119 Resp: 848190  
Ion Ratio Lower Upper  
119 100  
134 25.6 21.0 31.4  
91 27.5 22.3 33.5

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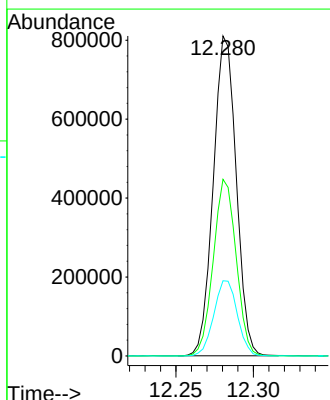
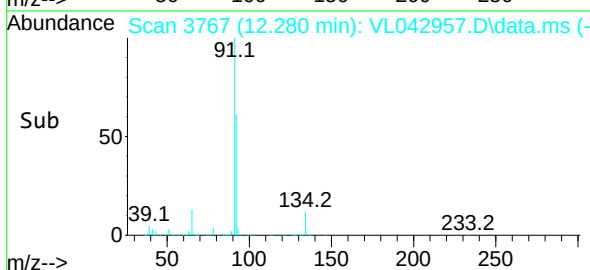
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025

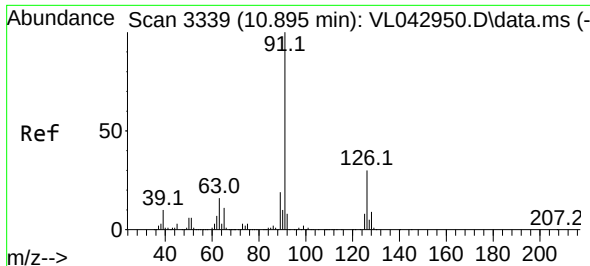


#70  
n-Butylbenzene  
Concen: 9.392 ppbv  
RT: 12.280 min Scan# 3767  
Delta R.T. 0.003 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15



Tgt Ion: 91 Resp: 834882  
Ion Ratio Lower Upper  
91 100  
92 55.2 44.0 66.0  
134 24.2 19.4 29.2





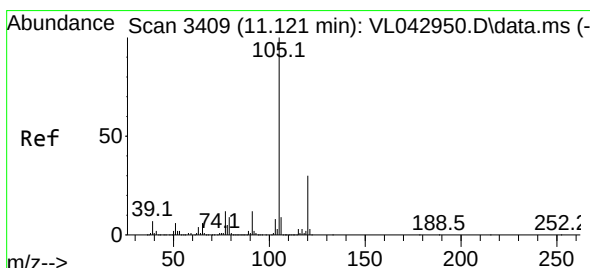
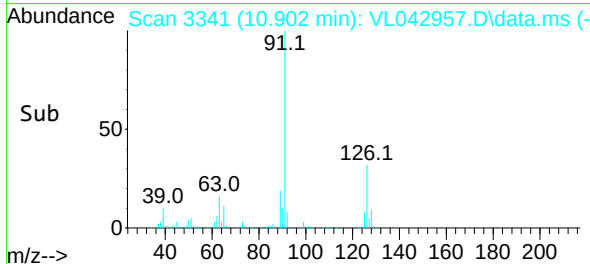
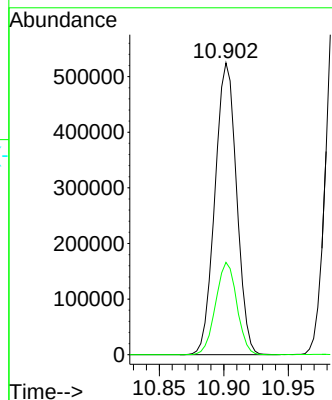
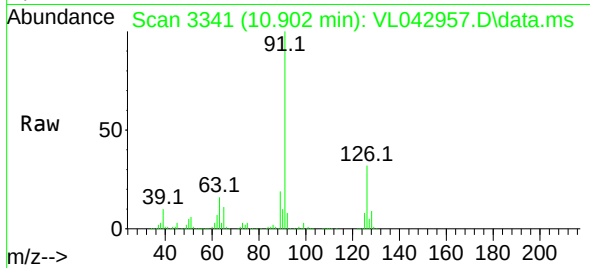
#71  
2-Chlorotoluene  
Concen: 9.315 ppbv  
RT: 10.902 min Scan# 311  
Delta R.T. 0.007 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL092225

Tgt Ion: 91 Resp: 61169  
Ion Ratio Lower Upper  
91 100  
126 30.9 12.3 49.3

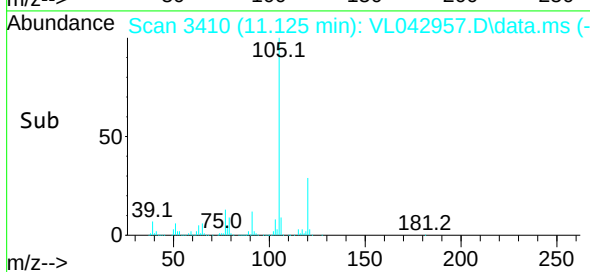
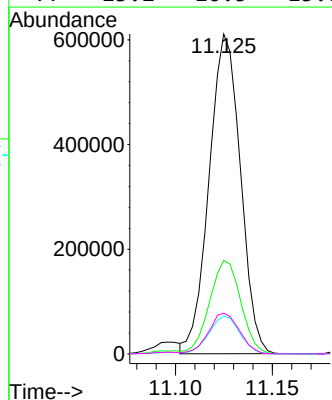
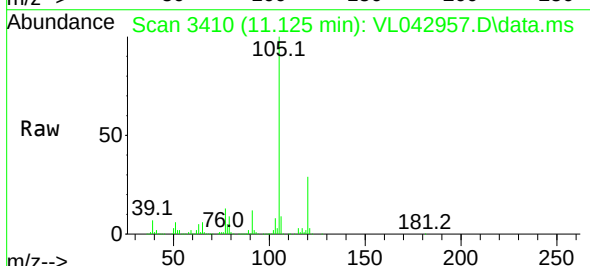
Manual Integrations  
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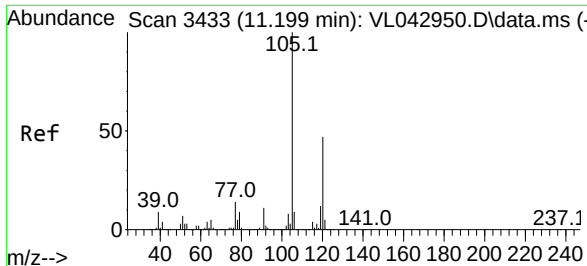
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025



#72  
4-Ethyltoluene  
Concen: 9.391 ppbv  
RT: 11.125 min Scan# 3410  
Delta R.T. 0.003 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

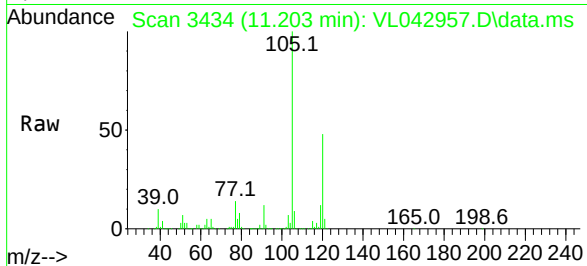
Tgt Ion:105 Resp: 686229  
Ion Ratio Lower Upper  
105 100  
120 30.2 24.2 36.2  
91 12.2 10.0 15.0  
77 13.2 10.5 15.7





#73  
1,3,5-Trimethylbenzene  
Concen: 9.582 ppbv  
RT: 11.203 min Scan# 3433  
Delta R.T. 0.003 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

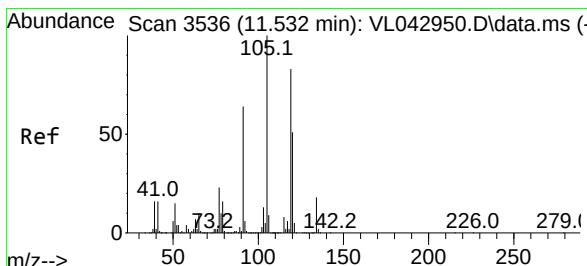
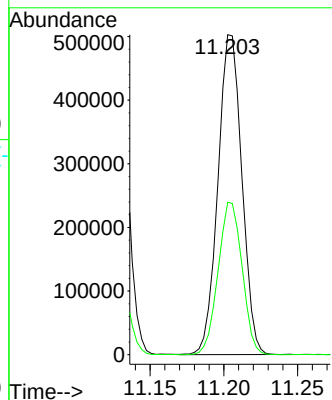
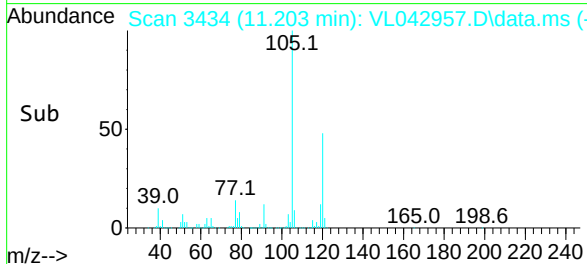
Instrument : MSVOA\_L  
ClientSampleId : ICVVL092225



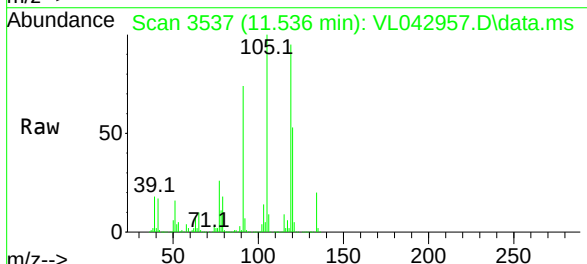
Tgt Ion:105 Resp: 567874  
Ion Ratio Lower Upper  
105 100  
120 47.7 38.0 57.0

### Manual Integrations APPROVED

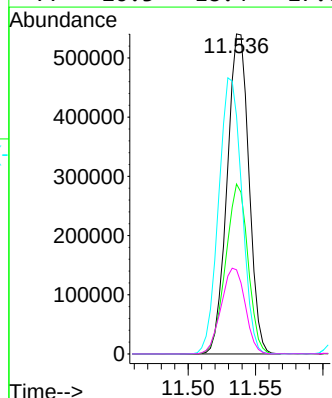
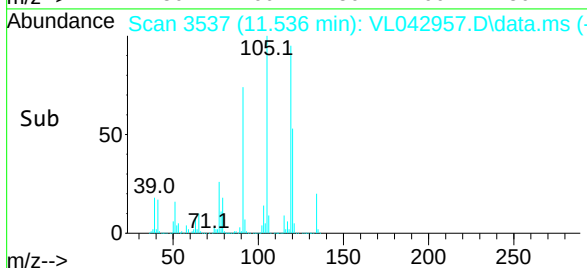
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025



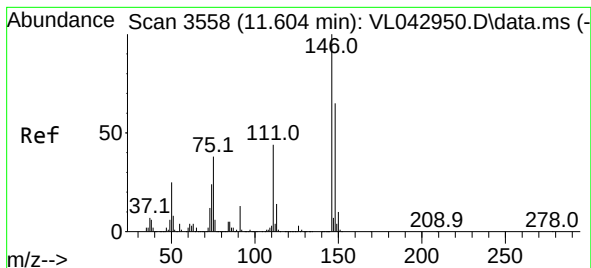
#74  
1,2,4-Trimethylbenzene  
Concen: 9.277 ppbv  
RT: 11.536 min Scan# 3537  
Delta R.T. 0.003 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15



Tgt Ion:105 Resp: 607159  
Ion Ratio Lower Upper  
105 100  
120 53.1 40.9 61.3  
91 74.4 51.2 76.8  
77 26.3 18.4 27.6

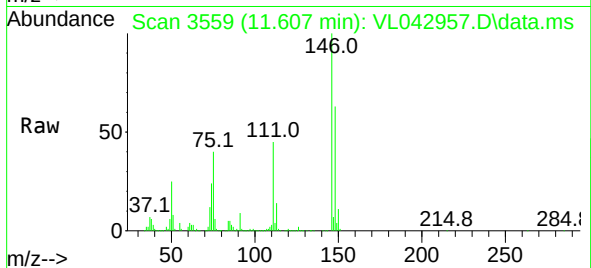






#75  
1,3-Dichlorobenzene  
Concen: 9.382 ppbv  
RT: 11.607 min Scan# 3558  
Delta R.T. 0.003 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

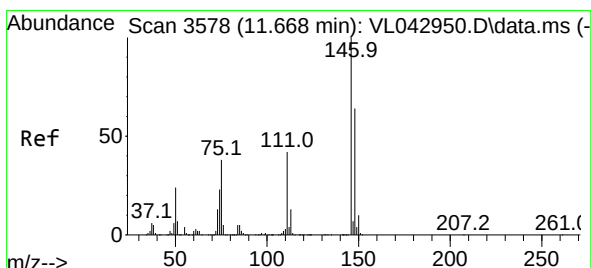
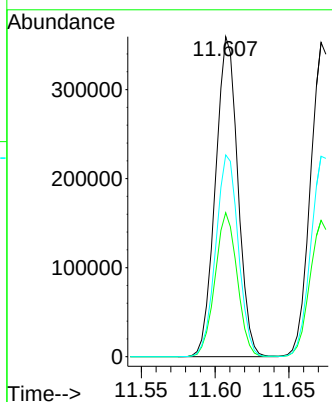
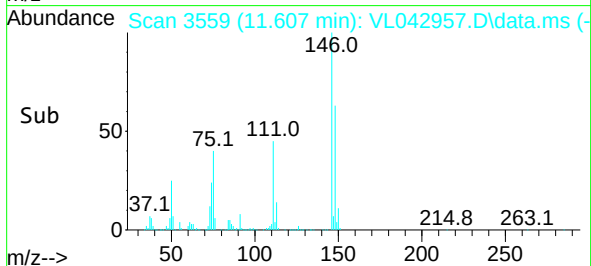
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL092225



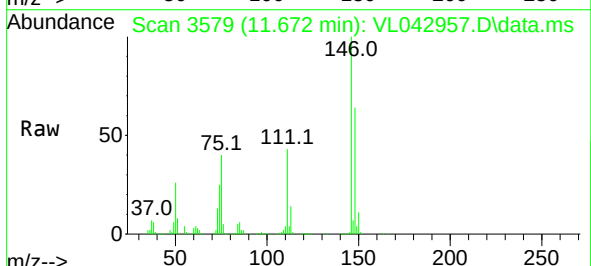
Tgt Ion:146 Resp: 38082  
Ion Ratio Lower Upper  
146 100  
111 44.5 22.3 66.9  
148 63.5 31.9 95.5

Manual Integrations  
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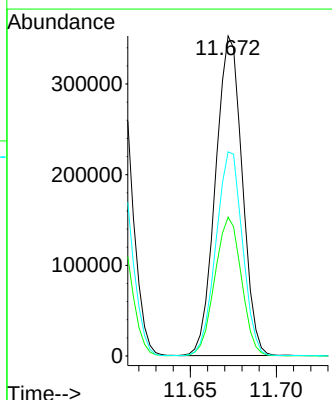
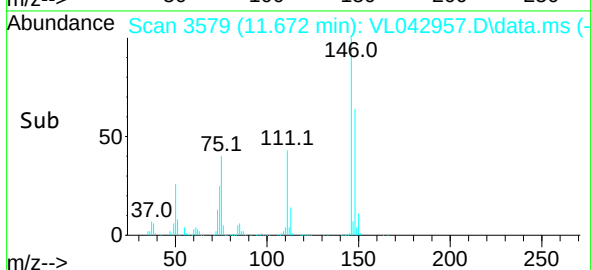
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025

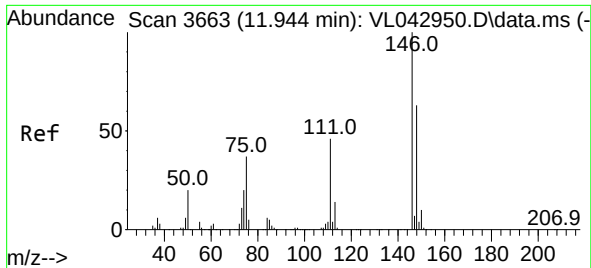


#76  
1,4-Dichlorobenzene  
Concen: 9.429 ppbv  
RT: 11.672 min Scan# 3579  
Delta R.T. 0.003 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15



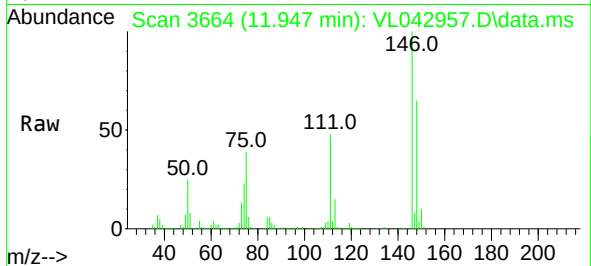
Tgt Ion:146 Resp: 380109  
Ion Ratio Lower Upper  
146 100  
111 43.5 21.5 64.5  
148 64.0 31.9 95.5





#77  
1,2-Dichlorobenzene  
Concen: 9.322 ppbv  
RT: 11.947 min Scan# 3664  
Delta R.T. 0.003 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15

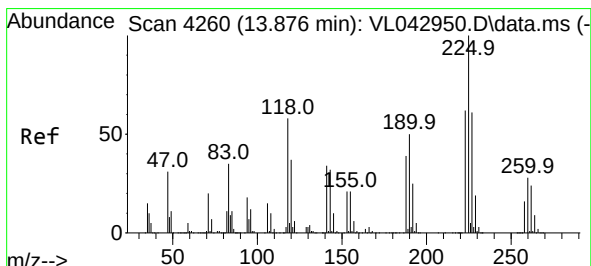
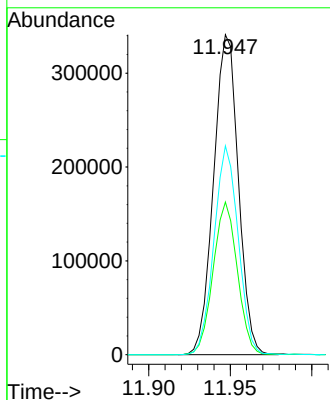
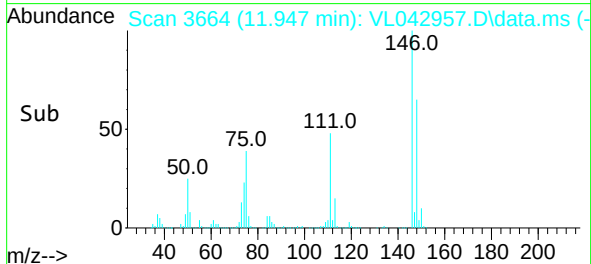
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL092225



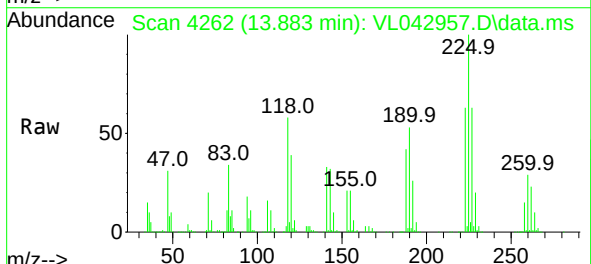
Tgt Ion:146 Resp: 359998  
Ion Ratio Lower Upper  
146 100  
111 46.7 23.1 69.3  
148 63.9 32.0 96.0

Manual Integrations  
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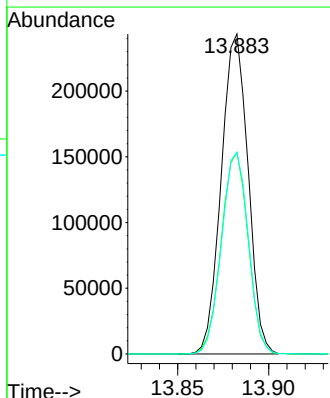
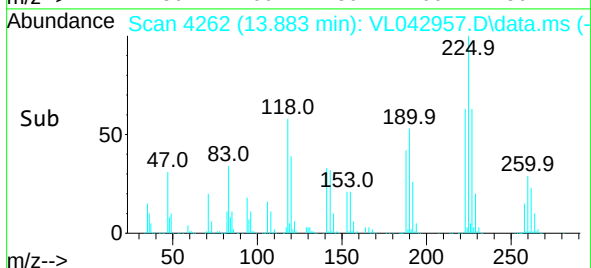
Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025

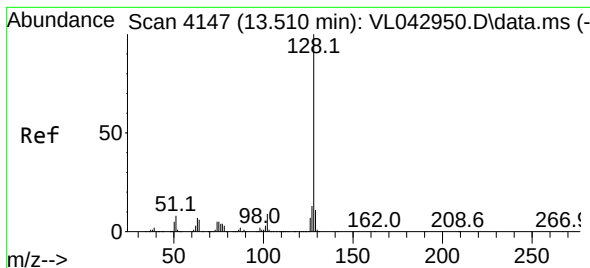


#78  
Hexachloro-1,3-Butadiene  
Concen: 8.248 ppbv  
RT: 13.883 min Scan# 4262  
Delta R.T. 0.007 min  
Lab File: VL042957.D  
Acq: 22 Sep 2025 14:15



Tgt Ion:225 Resp: 249142  
Ion Ratio Lower Upper  
225 100  
223 63.0 50.1 75.1  
227 63.0 50.4 75.6





#79

Naphthalene

Concen: 10.208 ppbv

RT: 13.514 min Scan# 4147

Delta R.T. 0.003 min

Lab File: VL042957.D

Acq: 22 Sep 2025 14:15

Instrument :

MSVOA\_L

ClientSampleId :

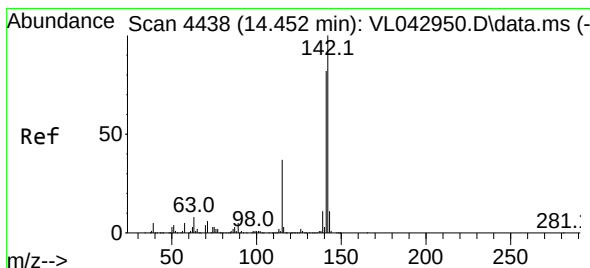
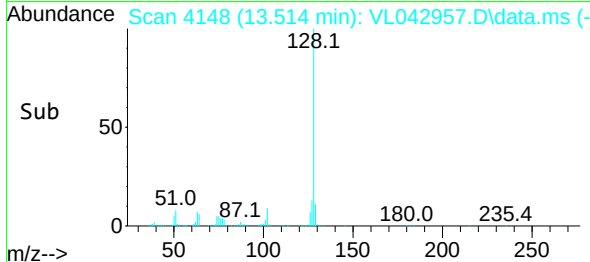
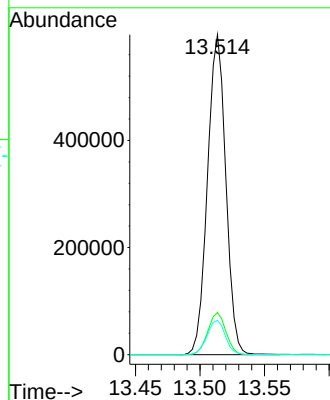
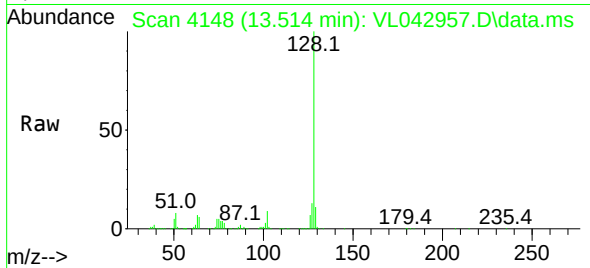
ICVVL092225

|             |              |
|-------------|--------------|
| Tgt Ion:128 | Resp: 590759 |
| Ion Ratio   | Lower Upper  |
| 128 100     |              |
| 127 13.1    | 10.6 15.8    |
| 129 10.7    | 9.0 13.6     |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/23/2025  
Supervised By :Mahesh Dadoda 09/24/2025



#80

Naphthalene,2-methyl-

Concen: 9.678 ppbv

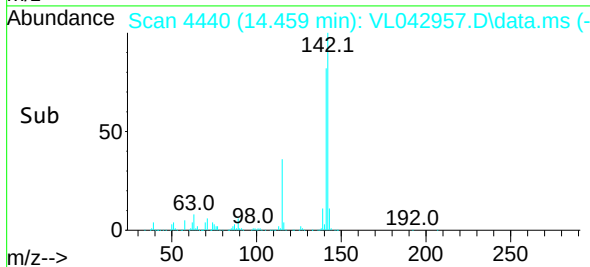
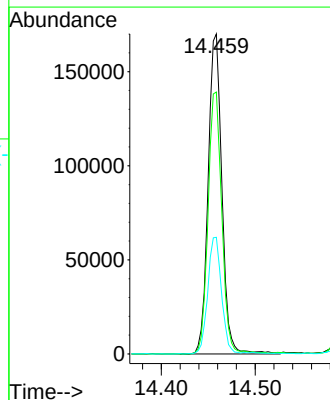
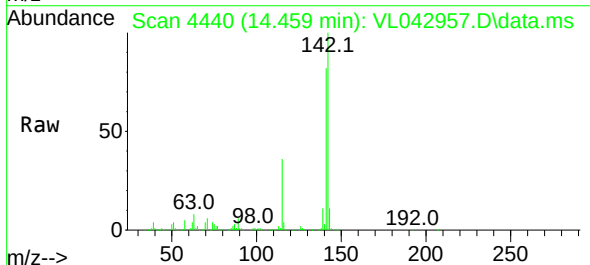
RT: 14.459 min Scan# 4440

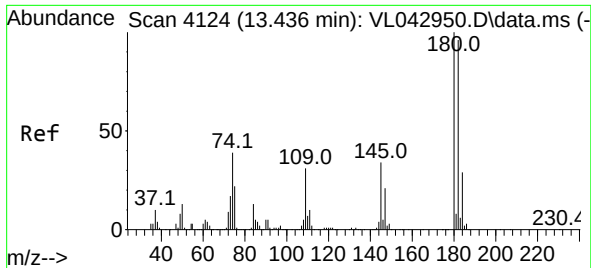
Delta R.T. 0.007 min

Lab File: VL042957.D

Acq: 22 Sep 2025 14:15

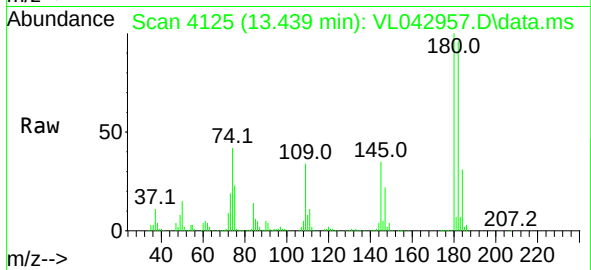
|             |              |
|-------------|--------------|
| Tgt Ion:142 | Resp: 173023 |
| Ion Ratio   | Lower Upper  |
| 142 100     |              |
| 141 82.7    | 65.1 97.7    |
| 115 37.5    | 28.9 43.3    |





#81  
 1,2,4-Trichlorobenzene  
 Concen: 9.845 ppbv  
 RT: 13.439 min Scan# 41  
 Delta R.T. 0.003 min  
 Lab File: VL042957.D  
 Acq: 22 Sep 2025 14:15

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL092225



Tgt Ion:180 Resp: 30464  
 Ion Ratio Lower Upper  
 180 100  
 182 97.0 75.7 113.5  
 184 29.9 23.9 35.9

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025  
 Supervised By :Mahesh Dadoda 09/24/2025

