

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL022125\  
 Data File : VL042034.D  
 Acq On : 21 Feb 2025 10:23  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025  
 Supervised By :Mahesh Dadoda 02/24/2025

Quant Time: Feb 21 21:49:26 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL021425AIR.M

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

QLast Update : Tue Feb 18 00:13:37 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.784 | 49   | 96177    | 10.000 | ppbv  | -0.02    |
| 33) 1,4-Difluorobenzene | 3.955 | 114  | 241609   | 10.000 | ppbv  | -0.02    |
| 55) Chlorobenzene-d5    | 8.878 | 117  | 222442   | 10.000 | ppbv  | -0.02    |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 185152 10.091 ppbv -0.01  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.900%

Target Compounds

|                               |       |     |        |        |        | Qvalue |
|-------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 152160 | 9.190  | ppbv   | 97     |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 211930 | 11.579 | ppbv   | 98     |
| 4) Chloromethane              | 1.531 | 50  | 59114  | 9.188  | ppbv   | 97     |
| 5) Vinyl Chloride             | 1.580 | 62  | 56373  | 7.327  | ppbv   | 96     |
| 6) Bromomethane               | 1.667 | 94  | 25249  | 8.466  | ppbv   | 92     |
| 7) Chloroethane               | 1.703 | 64  | 22725  | 9.063  | ppbv   | 93     |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 126367 | 8.676  | ppbv   | 98     |
| 9) Propene                    | 1.483 | 41  | 84353  | 10.690 | ppbv   | 98     |
| 10) Heptane                   | 4.975 | 43  | 248846 | 11.356 | ppbv   | 98     |
| 11) Trichlorofluoromethane    | 1.877 | 101 | 151480 | 9.091  | ppbv   | 99     |
| 12) 1,1,2-Trichlorotrifluo... | 2.136 | 101 | 119966 | 9.233  | ppbv   | 97     |
| 13) Ethanol                   | 1.719 | 45  | 4181   | 4.698  | ppbv   | 91     |
| 14) Bromoethene               | 1.780 | 108 | 42074  | 8.671  | ppbv   | 97     |
| 15) Acetone                   | 1.835 | 43  | 126580 | 7.974  | ppbv   | 96     |
| 16) 1,3-Butadiene             | 1.609 | 39  | 61275  | 8.137  | ppbv   | 98     |
| 17) tert-Butyl alcohol        | 2.039 | 59  | 165367 | 8.419  | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 2.033 | 96  | 51607  | 8.311  | ppbv   | 92     |
| 19) Isopropyl Alcohol         | 1.884 | 45  | 74397  | 8.358  | ppbv   | 99     |
| 20) Methylene Chloride        | 2.059 | 84  | 48010  | 8.034  | ppbv   | 90     |
| 21) Allyl Chloride            | 2.094 | 41  | 99632  | 8.669  | ppbv   | 98     |
| 22) trans-1,2-Dichloroethene  | 2.340 | 96  | 58399  | 8.667  | ppbv   | 94     |
| 23) Vinyl Acetate             | 2.460 | 43  | 94565  | 11.001 | ppbv # | 97     |
| 24) 1,1-Dichloroethane        | 2.408 | 63  | 122220 | 8.934  | ppbv   | 99     |
| 25) Ethyl Acetate             | 2.835 | 43  | 496239 | 11.389 | ppbv   | 99     |
| 26) Hexane                    | 2.823 | 57  | 208594 | 11.930 | ppbv   | 94     |
| 27) Carbon Disulfide          | 2.149 | 76  | 150702 | 9.164  | ppbv   | 98     |
| 28) Methyl tert-Butyl Ether   | 2.441 | 73  | 91146  | 8.528  | ppbv   | 100    |
| 29) Chloroform                | 2.845 | 83  | 272319 | 10.753 | ppbv   | 92     |
| 30) Cyclohexane               | 3.855 | 84  | 163645 | 11.537 | ppbv   | 96     |
| 31) cis-1,2-Dichloroethene    | 2.719 | 61  | 194010 | 11.227 | ppbv   | 94     |
| 32) 1,1,1-Trichloroethane     | 3.366 | 97  | 279320 | 9.946  | ppbv   | 98     |
| 34) 2-Butanone                | 2.557 | 43  | 287518 | 13.832 | ppbv   | 100    |
| 35) Carbon Tetrachloride      | 3.761 | 117 | 262294 | 11.180 | ppbv   | 99     |
| 36) Benzene                   | 3.654 | 78  | 382440 | 13.067 | ppbv   | 96     |
| 37) 1,2-Dichloroethane        | 3.217 | 62  | 222192 | 13.336 | ppbv   | 97     |
| 38) Trichloroethene           | 4.551 | 130 | 135154 | 11.367 | ppbv   | 91     |
| 39) 1,2-Dichloropropane       | 4.315 | 63  | 143700 | 13.393 | ppbv   | 100    |
| 40) 1,4-Dioxane               | 4.580 | 88  | 64177  | 11.494 | ppbv # | 79     |
| 41) Tetrahydrofuran           | 3.052 | 42  | 168527 | 14.187 | ppbv   | 96     |
| 42) Bromodichloromethane      | 4.489 | 83  | 304101 | 13.473 | ppbv   | 93     |
| 43) Methyl Methacrylate       | 4.881 | 69  | 156100 | 11.700 | ppbv   | 95     |
| 44) 2,2,4-Trimethylpentane    | 4.638 | 57  | 675335 | 13.593 | ppbv   | 98     |
| 45) t-1,3-Dichloropropene     | 6.415 | 75  | 159371 | 12.654 | ppbv   | 96     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL022125\  
 Data File : VL042034.D  
 Acq On : 21 Feb 2025 10:23  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025  
 Supervised By :Mahesh Dadoda 02/24/2025

Quant Time: Feb 21 21:49:26 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL021425AIR.M

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

QLast Update : Tue Feb 18 00:13:37 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.600  | 75   | 203587   | 12.740 | ppbv   | 99       |
| 47) 1,1,2-Trichloroethane     | 6.583  | 97   | 140706   | 12.460 | ppbv   | 96       |
| 48) Dibromochloromethane      | 7.383  | 129  | 226878   | 11.996 | ppbv   | 99       |
| 49) Bromoform                 | 9.484  | 173  | 182464   | 11.762 | ppbv   | 98       |
| 50) 4-Methyl-2-Pentanone      | 5.748  | 43   | 413492   | 12.943 | ppbv   | 99       |
| 51) 2-Hexanone                | 7.431  | 43   | 338105   | 12.940 | ppbv # | 98       |
| 52) Tetrachloroethene         | 8.221  | 164  | 108347   | 10.614 | ppbv   | 93       |
| 53) Toluene                   | 6.930  | 91   | 425619   | 12.204 | ppbv   | 98       |
| 54) 1,2-Dibromoethane         | 7.648  | 107  | 190617   | 12.260 | ppbv   | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 8.924  | 131  | 168690   | 10.595 | ppbv   | 97       |
| 57) Chlorobenzene             | 8.920  | 112  | 299813   | 11.457 | ppbv   | 97       |
| 58) Ethyl Benzene             | 9.354  | 91   | 591042   | 12.140 | ppbv   | 99       |
| 59) m/p-Xylene                | 9.552  | 91   | 917075m  | 23.916 | ppbv   |          |
| 60) o-Xylene                  | 9.963  | 91   | 451249   | 11.636 | ppbv   | 100      |
| 61) Styrene                   | 9.869  | 104  | 220095   | 11.902 | ppbv   | 98       |
| 62) Isopropylbenzene          | 10.539 | 105  | 670608   | 11.518 | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.963  | 83   | 294121   | 11.755 | ppbv   | 99       |
| 64) n-propylbenzene           | 10.989 | 120  | 164222   | 11.479 | ppbv   | 95       |
| 65) tert-Butylbenzene         | 11.532 | 119  | 563735   | 11.106 | ppbv   | 96       |
| 66) Benzyl Chloride           | 11.613 | 91   | 52378    | 10.295 | ppbv   | 99       |
| 67) sec-Butylbenzene          | 11.769 | 105  | 819470   | 11.494 | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 11.927 | 119  | 632532   | 10.838 | ppbv   | 97       |
| 70) n-Butylbenzene            | 12.283 | 91   | 680533   | 11.838 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 10.901 | 91   | 519116   | 11.839 | ppbv   | 98       |
| 72) 4-Ethyltoluene            | 11.124 | 105  | 530659   | 11.679 | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 11.202 | 105  | 448465   | 11.442 | ppbv   | 97       |
| 74) 1,2,4-Trimethylbenzene    | 11.536 | 105  | 470940   | 11.196 | ppbv # | 87       |
| 75) 1,3-Dichlorobenzene       | 11.607 | 146  | 254094   | 11.222 | ppbv   | 100      |
| 76) 1,4-Dichlorobenzene       | 11.672 | 146  | 250833   | 11.360 | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 11.947 | 146  | 240789   | 11.125 | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 13.882 | 225  | 156406   | 8.734  | ppbv   | 99       |
| 79) Naphthalene               | 13.513 | 128  | 378912   | 9.158  | ppbv   | 100      |
| 80) Naphthalene,2-methyl-     | 14.458 | 142  | 124567   | 6.650  | ppbv   | 98       |
| 81) 1,2,4-Trichlorobenzene    | 13.442 | 180  | 160029   | 9.514  | ppbv   | 99       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL022125\  
Data File : VL042034.D  
Acq On : 21 Feb 2025 10:23  
Operator : SY/MD  
Sample : VSTDCCC010  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025

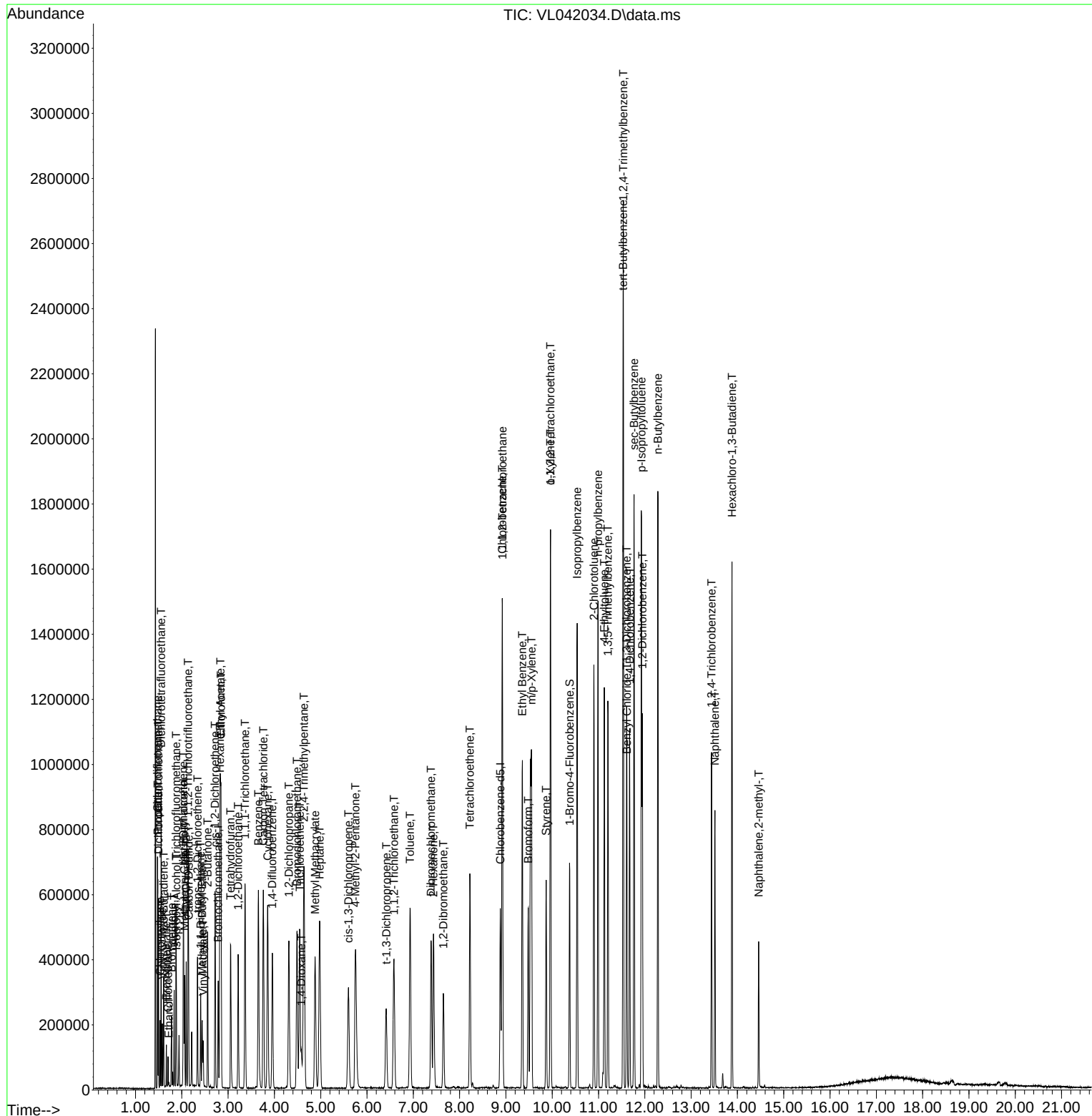
Quant Time: Feb 21 21:49:26 2025

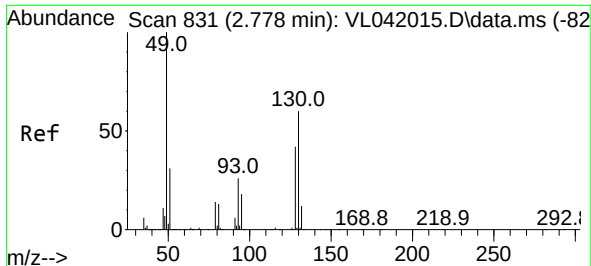
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL021425AIR.M

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

QLast Update : Tue Feb 18 00:13:37 2025

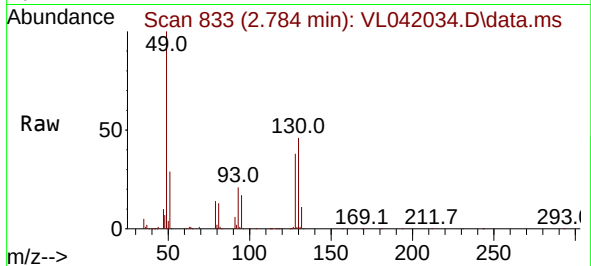
Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.784 min Scan# 81  
Delta R.T. -0.016 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

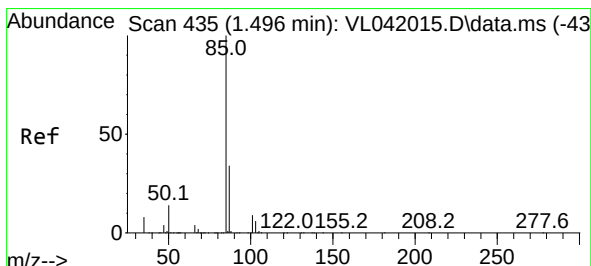
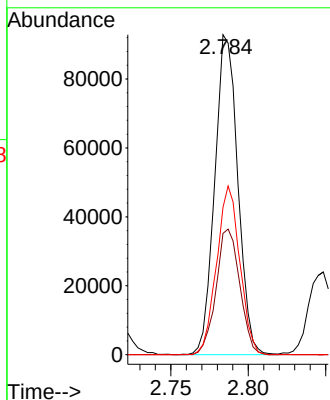
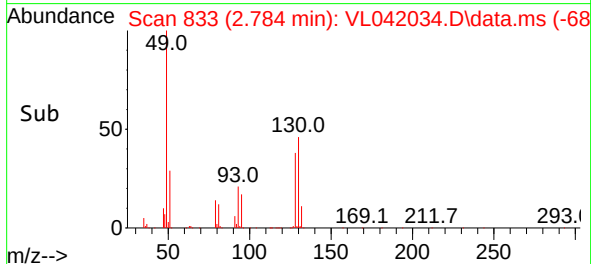
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



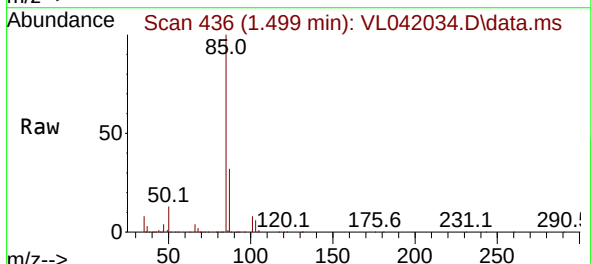
Tgt Ion: 49 Resp: 9617  
Ion Ratio Lower Upper  
49 100  
128 40.3 22.7 68.0  
130 52.9 29.9 89.8

Manual Integrations  
APPROVED

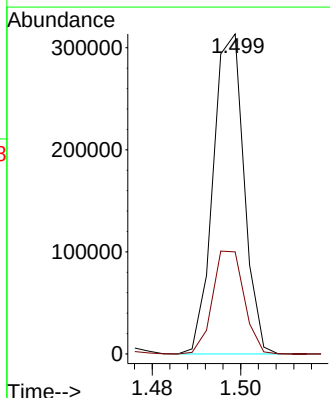
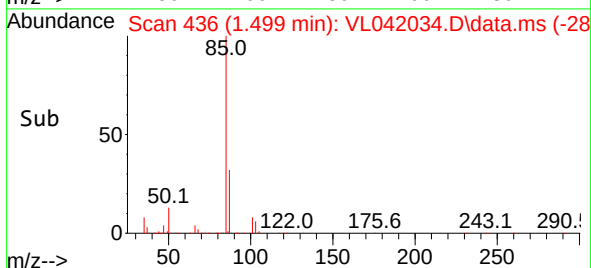
Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025

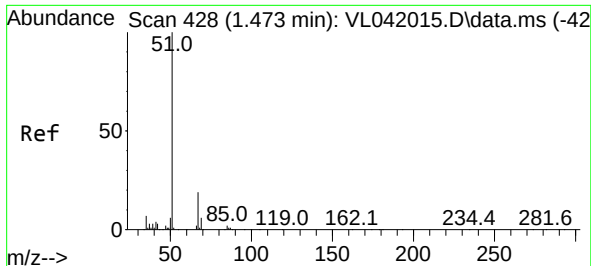


#2  
Dichlorodifluoromethane  
Concen: 9.190 ppbv  
RT: 1.499 min Scan# 436  
Delta R.T. -0.003 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23



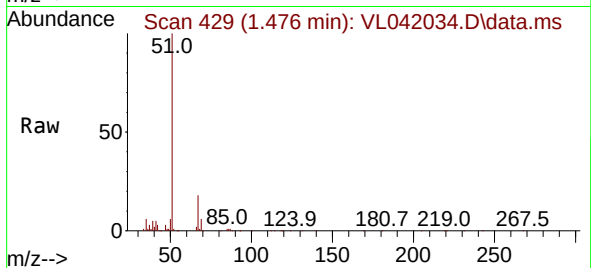
Tgt Ion: 85 Resp: 152160  
Ion Ratio Lower Upper  
85 100  
87 31.9 26.9 40.3





#3  
Chlorodifluoromethane  
Concen: 11.579 ppbv  
RT: 1.476 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

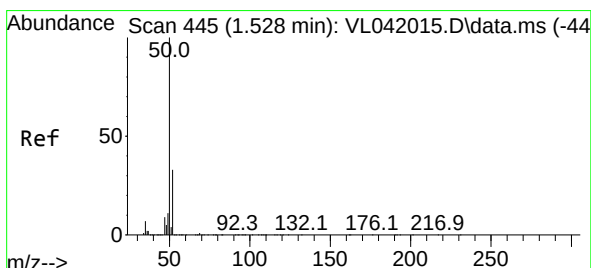
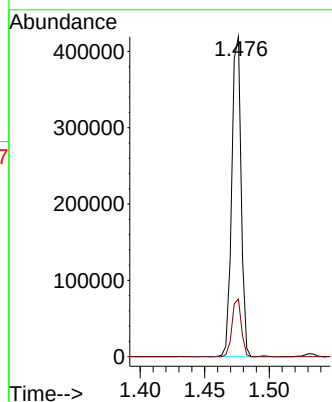
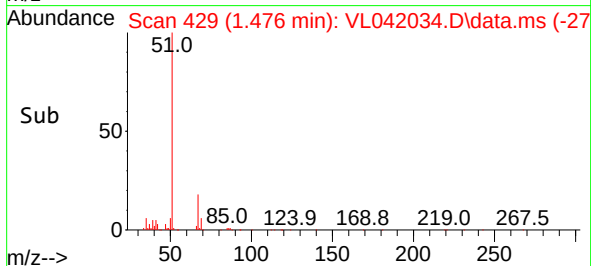
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 51 Resp: 211930  
Ion Ratio Lower Upper  
51 100  
67 18.0 15.0 22.6

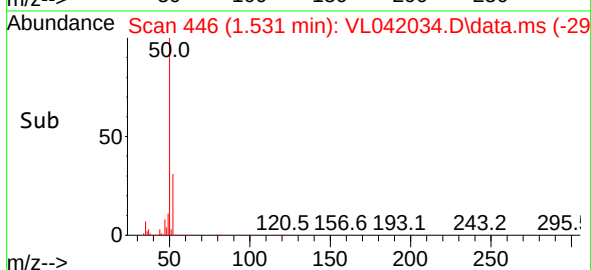
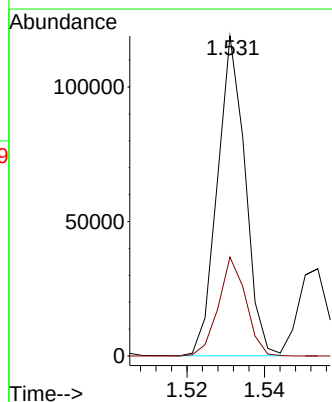
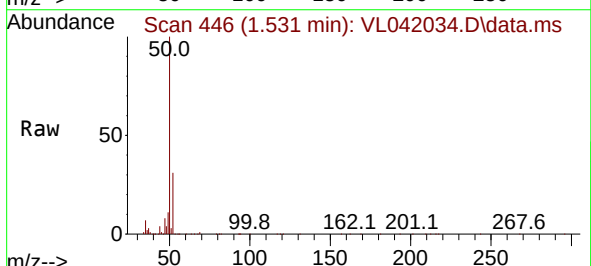
Manual Integrations  
APPROVED

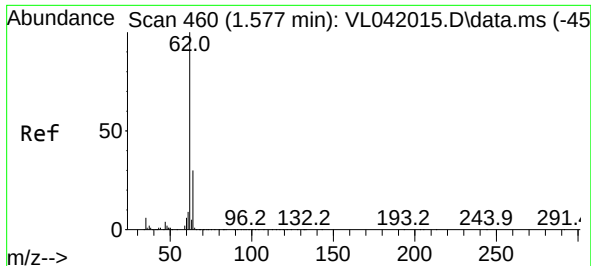
Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025



#4  
Chloromethane  
Concen: 9.188 ppbv  
RT: 1.531 min Scan# 446  
Delta R.T. -0.006 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

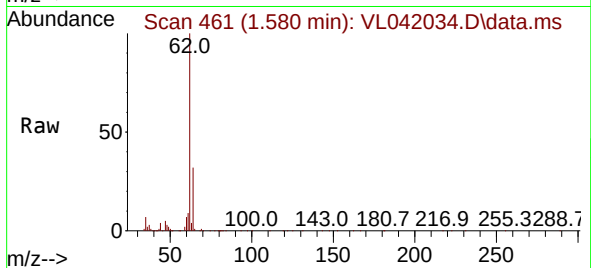
Tgt Ion: 50 Resp: 59114  
Ion Ratio Lower Upper  
50 100  
52 30.9 26.2 39.2





#5  
 Vinyl Chloride  
 Concen: 7.327 ppbv  
 RT: 1.580 min Scan# 461  
 Delta R.T. -0.006 min  
 Lab File: VL042034.D  
 Acq: 21 Feb 2025 10:23

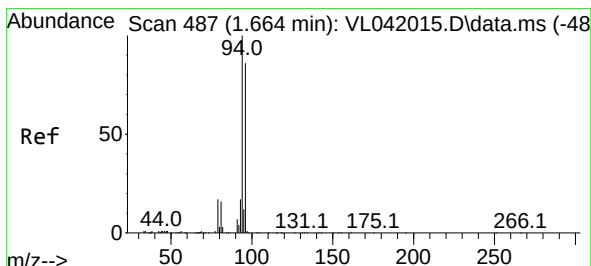
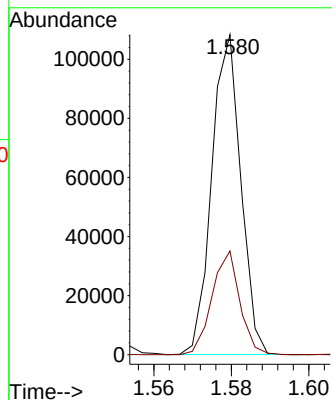
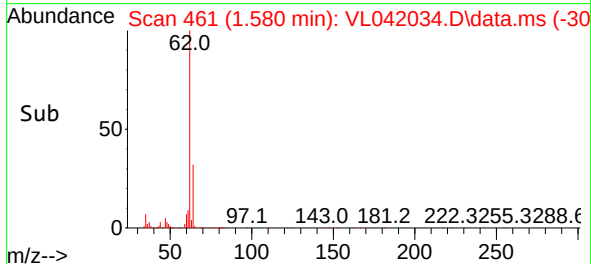
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



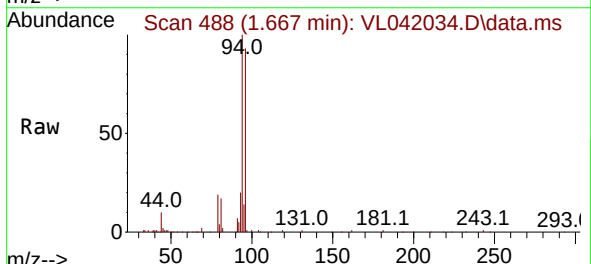
Tgt Ion: 62 Resp: 5637  
 Ion Ratio Lower Upper  
 62 100  
 64 32.4 24.4 36.6

Manual Integrations  
 APPROVED

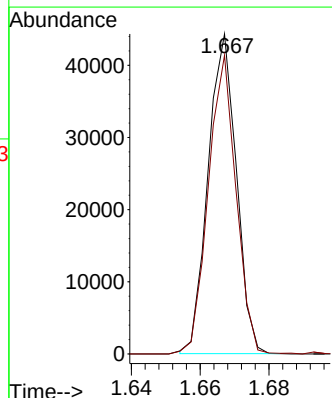
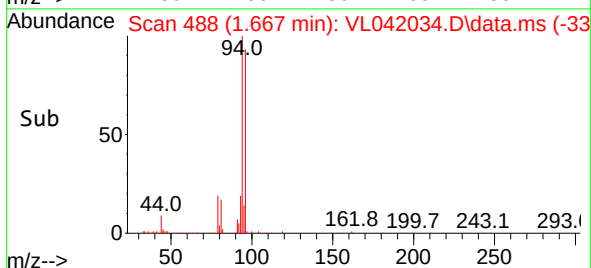
Reviewed By :Semsettin Yesilyurt 02/24/2025  
 Supervised By :Mahesh Dadoda 02/24/2025

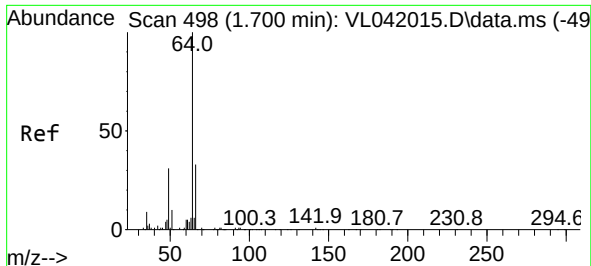


#6  
 Bromomethane  
 Concen: 8.466 ppbv  
 RT: 1.667 min Scan# 488  
 Delta R.T. -0.006 min  
 Lab File: VL042034.D  
 Acq: 21 Feb 2025 10:23



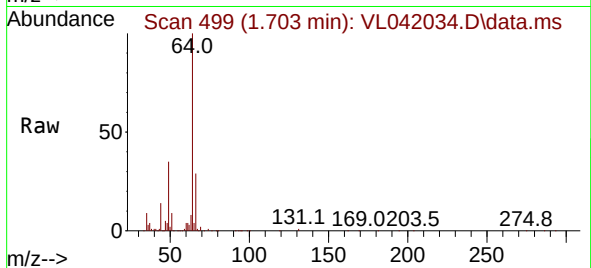
Tgt Ion: 94 Resp: 25249  
 Ion Ratio Lower Upper  
 94 100  
 96 93.3 69.0 103.6





#7  
Chloroethane  
Concen: 9.063 ppbv  
RT: 1.703 min Scan# 499  
Delta R.T. -0.006 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

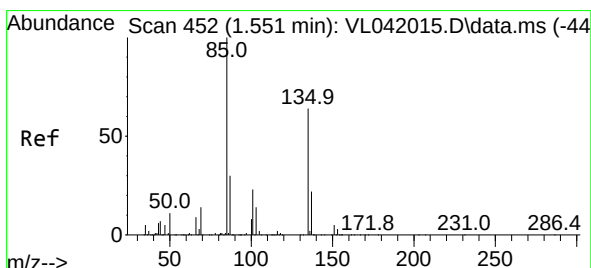
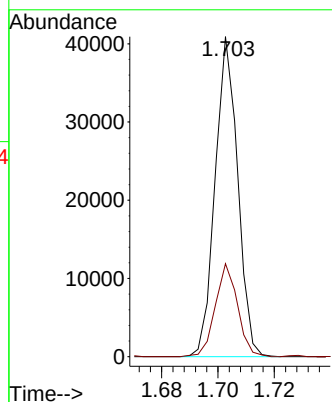
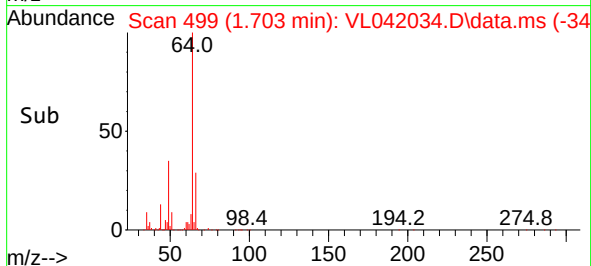
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 64 Resp: 22725  
Ion Ratio Lower Upper  
64 100  
66 29.1 26.5 39.7

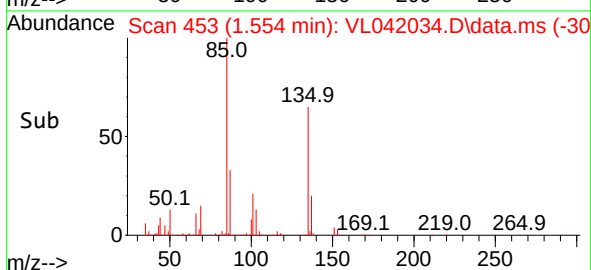
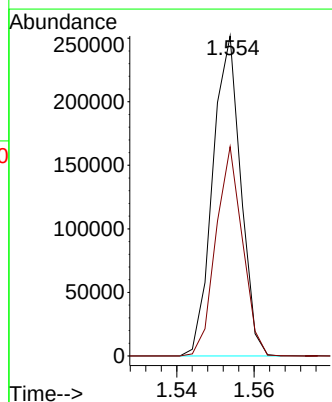
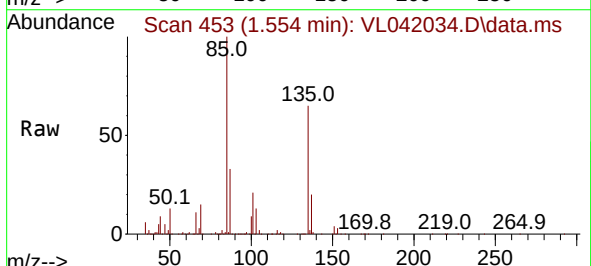
Manual Integrations  
APPROVED

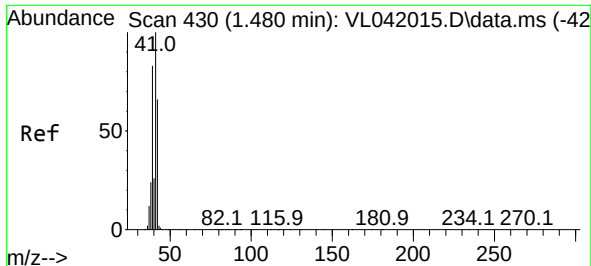
Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025



#8  
Dichlorotetrafluoroethane  
Concen: 8.676 ppbv  
RT: 1.554 min Scan# 453  
Delta R.T. -0.006 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

Tgt Ion: 85 Resp: 126367  
Ion Ratio Lower Upper  
85 100  
135 62.2 50.9 76.3





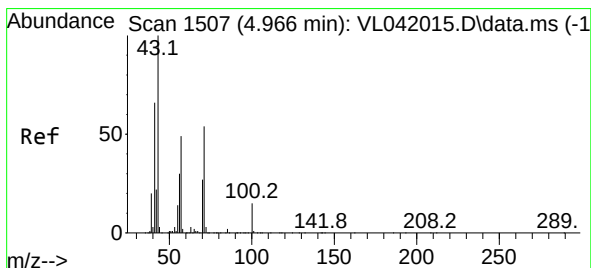
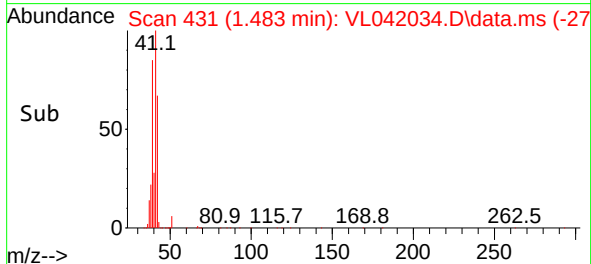
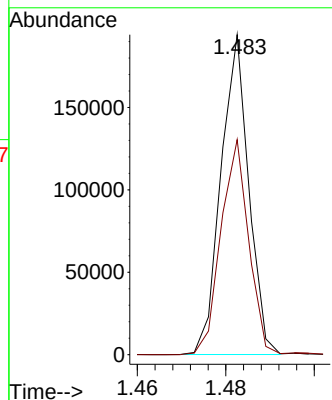
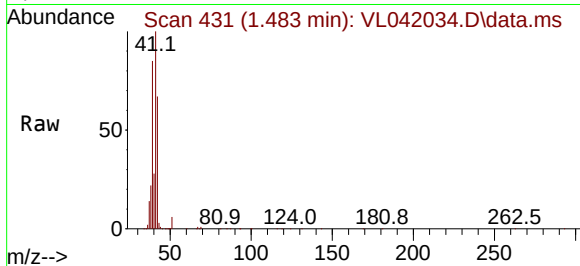
#9  
Propene  
Concen: 10.690 ppbv  
RT: 1.483 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 41 Resp: 8435  
Ion Ratio Lower Upper  
41 100  
42 68.1 53.5 80.3

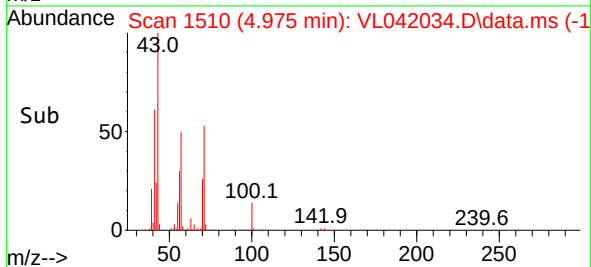
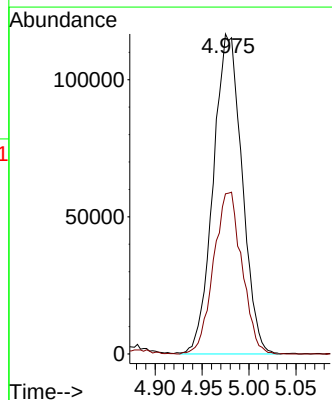
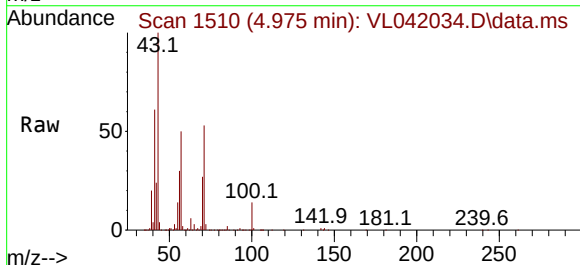
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025

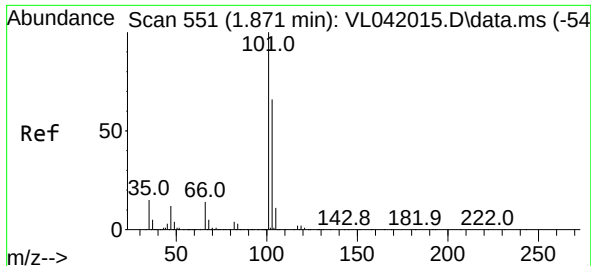


#10  
Heptane  
Concen: 11.356 ppbv  
RT: 4.975 min Scan# 1510  
Delta R.T. -0.029 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

Tgt Ion: 43 Resp: 248846  
Ion Ratio Lower Upper  
43 100  
57 49.7 41.0 61.6







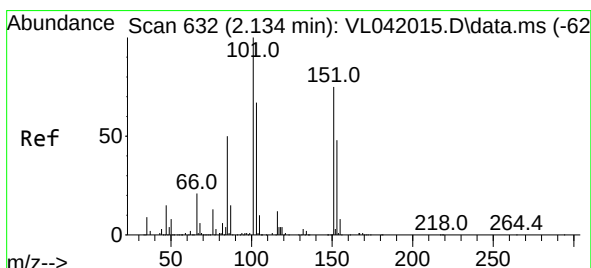
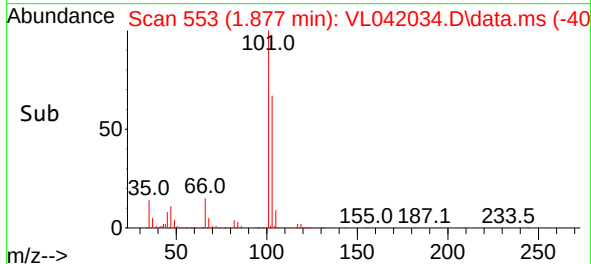
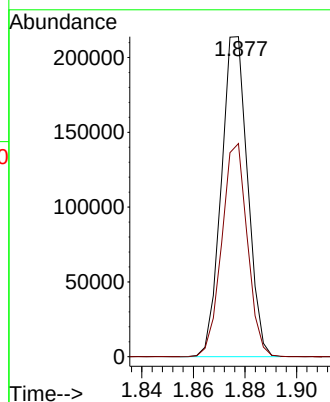
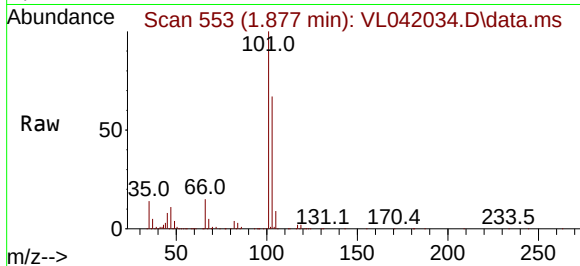
#11  
 Trichlorofluoromethane  
 Concen: 9.091 ppbv  
 RT: 1.877 min Scan# 551  
 Delta R.T. -0.006 min  
 Lab File: VL042034.D  
 Acq: 21 Feb 2025 10:23

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Tgt Ion:101 Resp: 151480  
 Ion Ratio Lower Upper  
 101 100  
 103 66.6 52.9 79.3

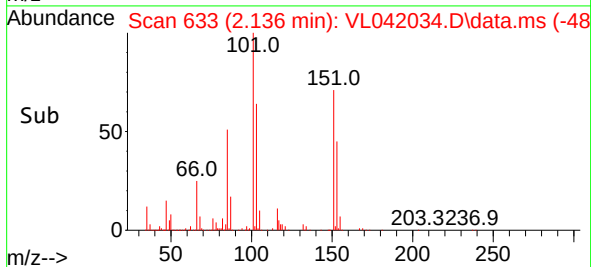
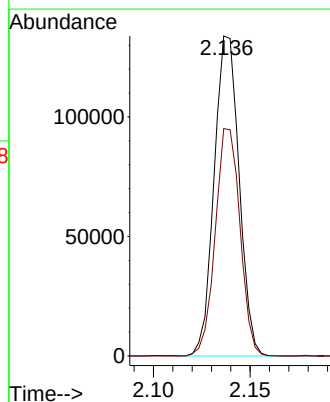
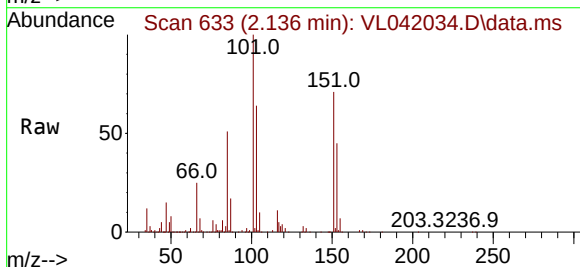
Manual Integrations  
 APPROVED

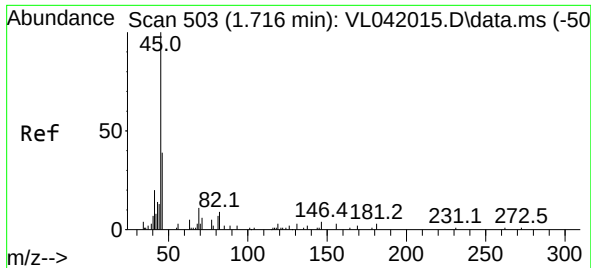
Reviewed By :Semsettin Yesilyurt 02/24/2025  
 Supervised By :Mahesh Dadoda 02/24/2025



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 9.233 ppbv  
 RT: 2.136 min Scan# 633  
 Delta R.T. -0.013 min  
 Lab File: VL042034.D  
 Acq: 21 Feb 2025 10:23

Tgt Ion:101 Resp: 119966  
 Ion Ratio Lower Upper  
 101 100  
 151 70.4 58.2 87.2





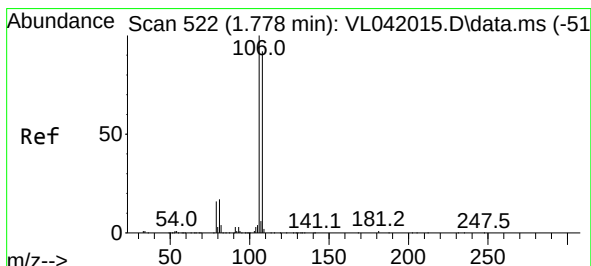
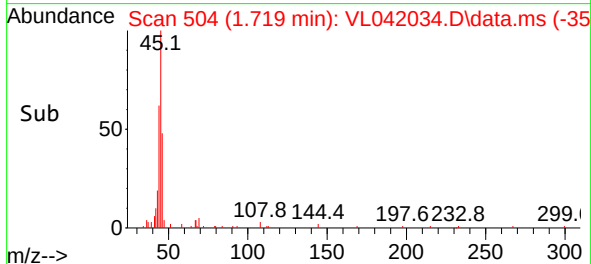
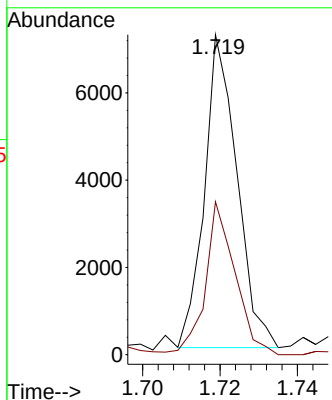
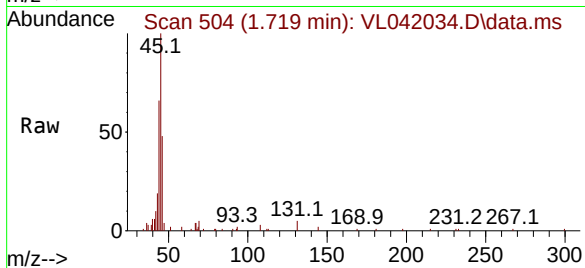
#13  
Ethanol  
Concen: 4.698 ppbv  
RT: 1.719 min Scan# 503  
Delta R.T. -0.010 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 45 Resp: 418  
Ion Ratio Lower Upper  
45 100  
46 47.0 21.3 85.1

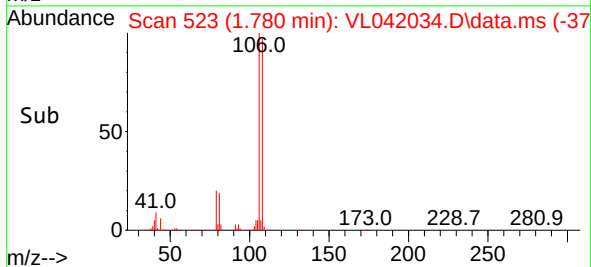
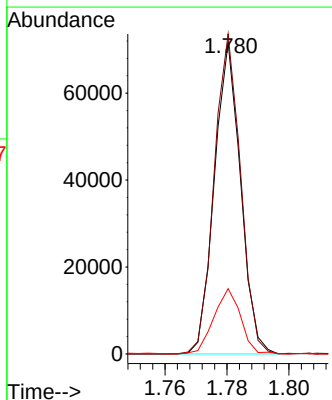
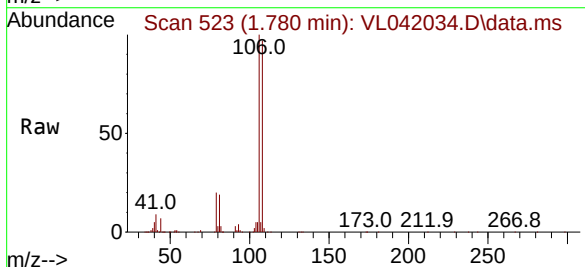
Manual Integrations  
APPROVED

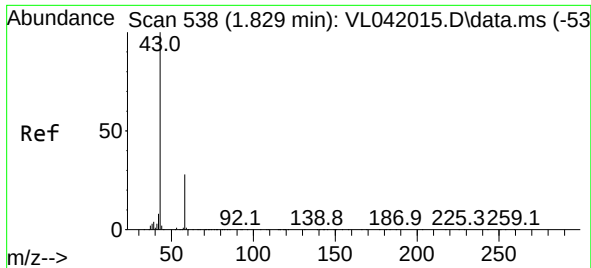
Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025



#14  
Bromoethene  
Concen: 8.671 ppbv  
RT: 1.780 min Scan# 523  
Delta R.T. -0.006 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

Tgt Ion:108 Resp: 42074  
Ion Ratio Lower Upper  
108 100  
106 103.2 85.0 127.6  
79 22.1 17.3 25.9





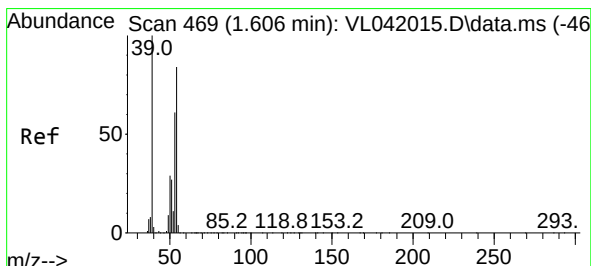
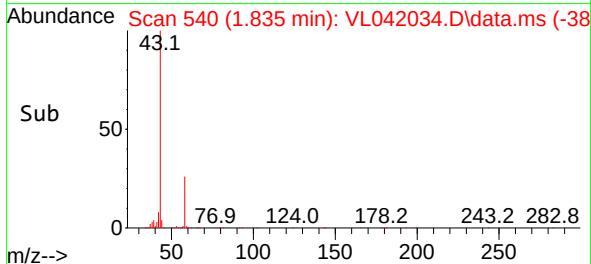
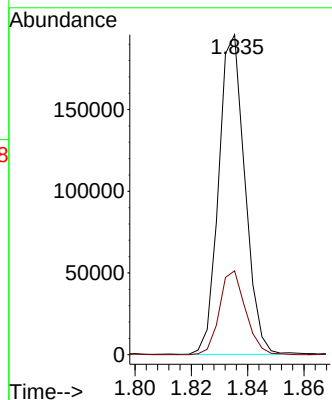
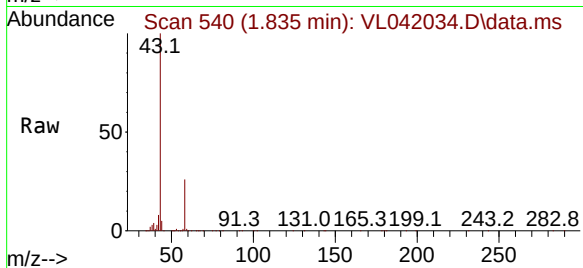
#15  
Acetone  
Concen: 7.974 ppbv  
RT: 1.835 min Scan# 54  
Delta R.T. -0.006 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 43 Resp: 126580  
Ion Ratio Lower Upper  
43 100  
58 26.2 22.9 34.3

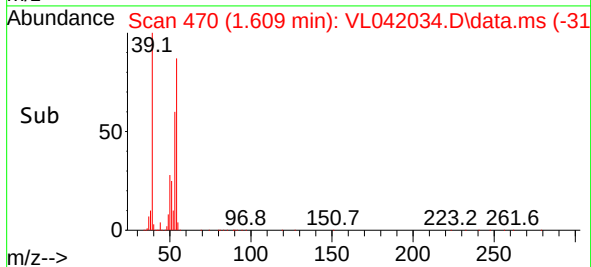
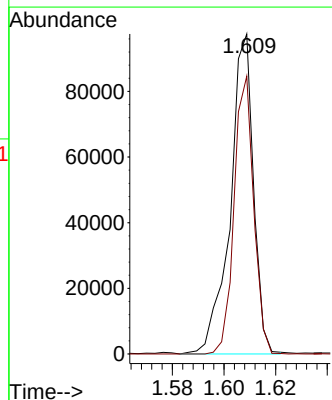
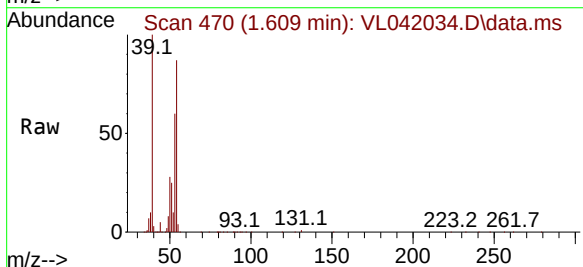
Manual Integrations  
APPROVED

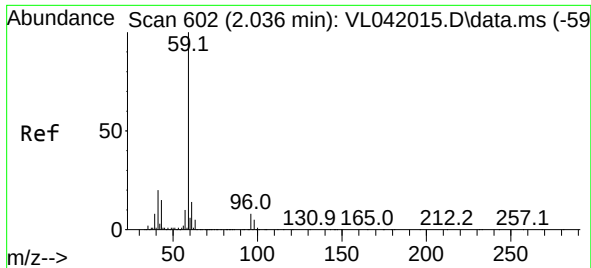
Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025



#16  
1,3-Butadiene  
Concen: 8.137 ppbv  
RT: 1.609 min Scan# 470  
Delta R.T. -0.006 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

Tgt Ion: 39 Resp: 61275  
Ion Ratio Lower Upper  
39 100  
54 72.9 59.4 89.2





#17

tert-Butyl alcohol

Concen: 8.419 ppbv

RT: 2.039 min Scan# 601

Delta R.T. -0.010 min

Lab File: VL042034.D

Acq: 21 Feb 2025 10:23

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 59 Resp: 16536

Ion Ratio Lower Upper

59 100

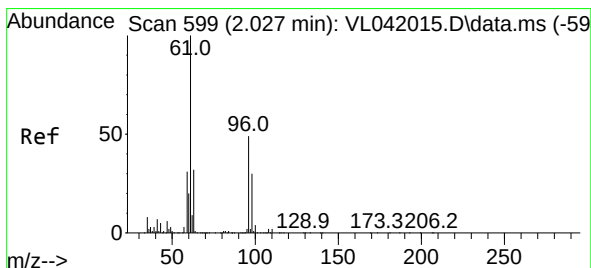
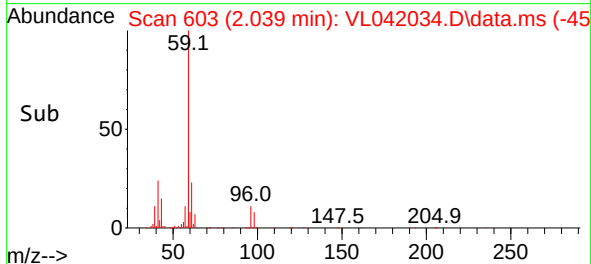
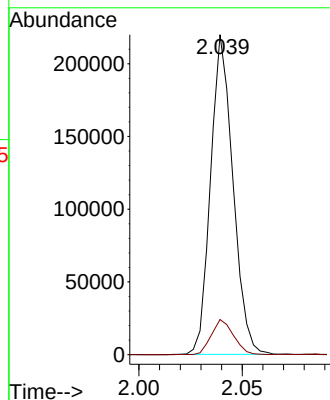
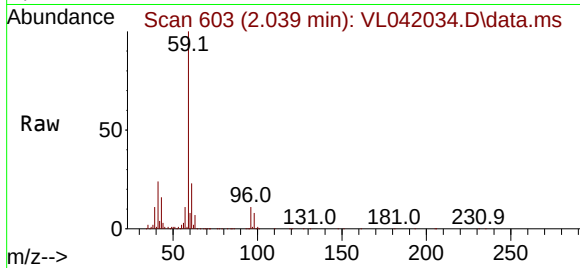
57 11.0 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025

Supervised By :Mahesh Dadoda 02/24/2025



#18

1,1-Dichloroethene

Concen: 8.311 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.010 min

Lab File: VL042034.D

Acq: 21 Feb 2025 10:23

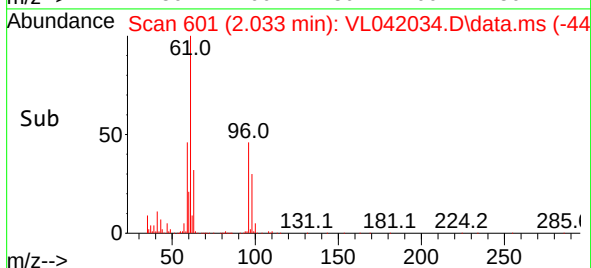
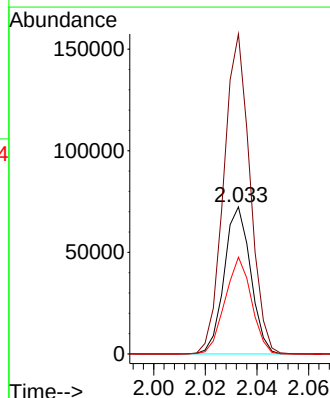
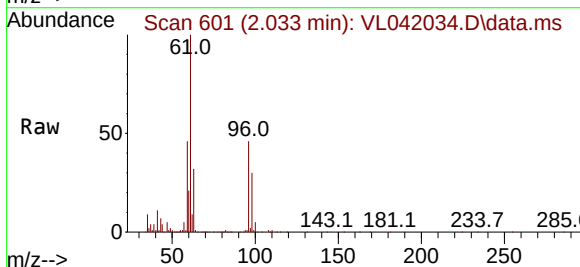
Tgt Ion: 96 Resp: 51607

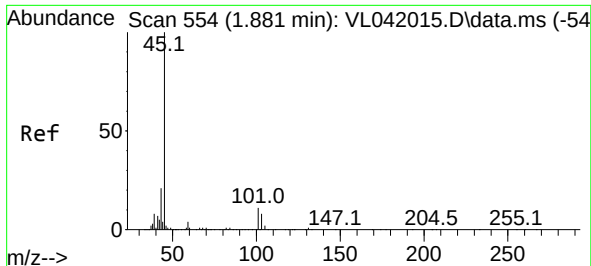
Ion Ratio Lower Upper

96 100

61 217.6 163.5 245.3

98 65.8 49.4 74.0





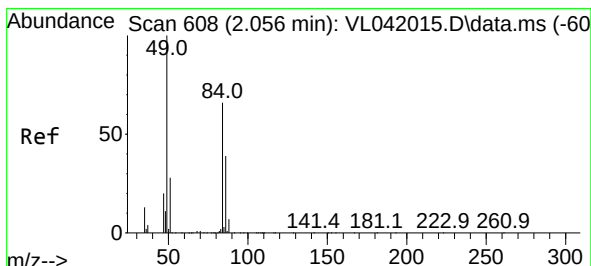
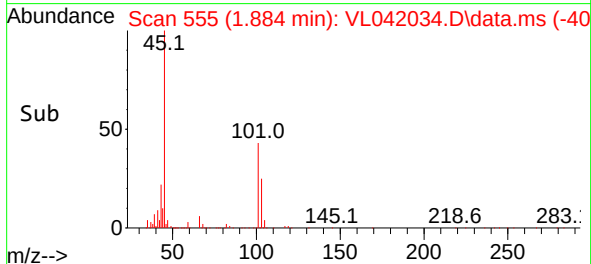
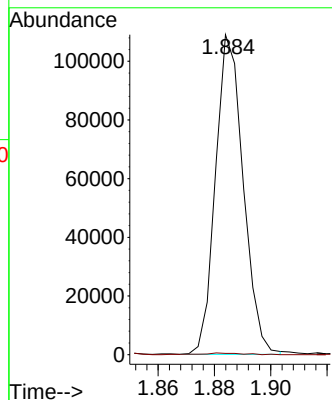
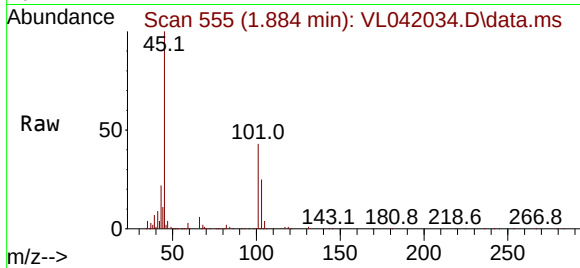
#19  
Isopropyl Alcohol  
Concen: 8.358 ppbv  
RT: 1.884 min Scan# 51  
Delta R.T. -0.010 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 45 Resp: 7439  
Ion Ratio Lower Upper  
45 100  
58 44.6 36.2 54.4

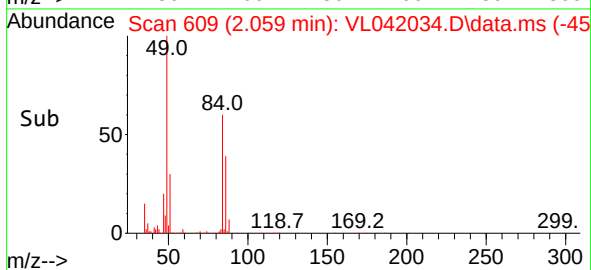
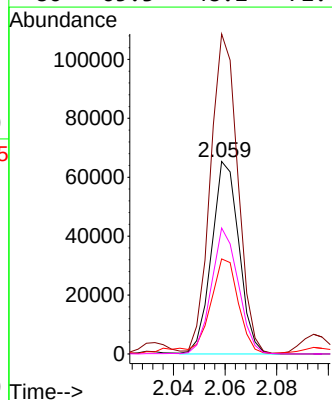
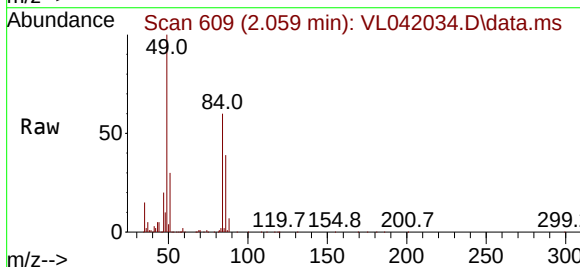
Manual Integrations  
APPROVED

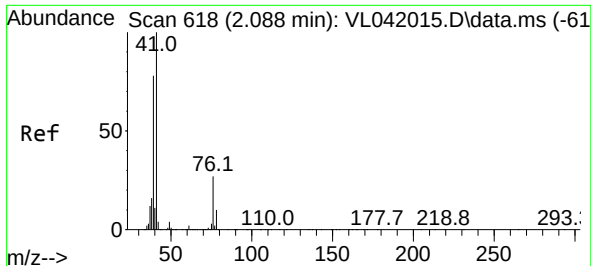
Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025



#20  
Methylene Chloride  
Concen: 8.034 ppbv  
RT: 2.059 min Scan# 609  
Delta R.T. -0.010 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

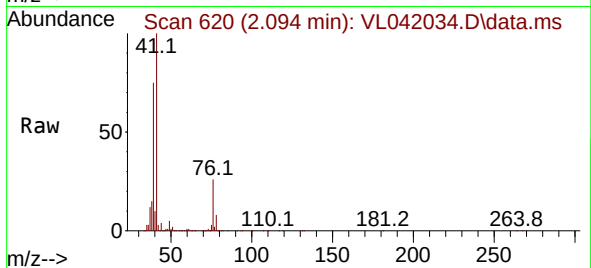
Tgt Ion: 84 Resp: 48010  
Ion Ratio Lower Upper  
84 100  
49 165.8 121.0 181.4  
51 48.8 35.1 52.7  
86 65.3 48.2 72.4





#21  
 Allyl Chloride  
 Concen: 8.669 ppbv  
 RT: 2.094 min Scan# 618  
 Delta R.T. -0.010 min  
 Lab File: VL042034.D  
 Acq: 21 Feb 2025 10:23

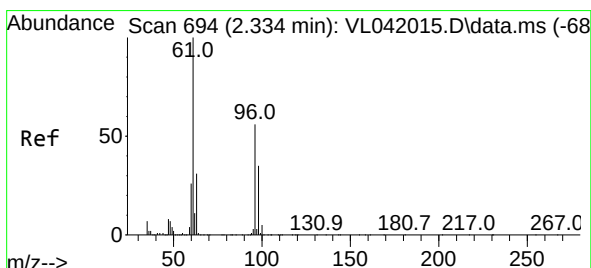
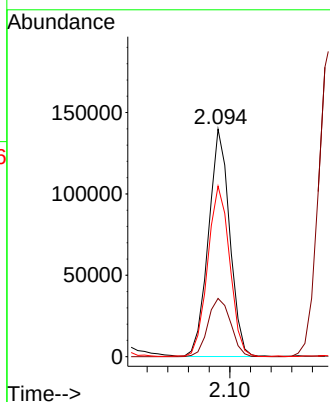
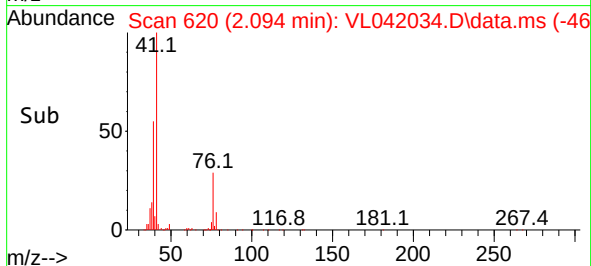
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



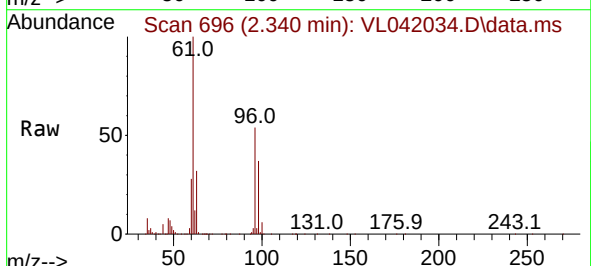
Tgt Ion: 41 Resp: 99632  
 Ion Ratio Lower Upper  
 41 100  
 76 27.4 23.7 35.5  
 39 77.7 63.0 94.6

Manual Integrations  
 APPROVED

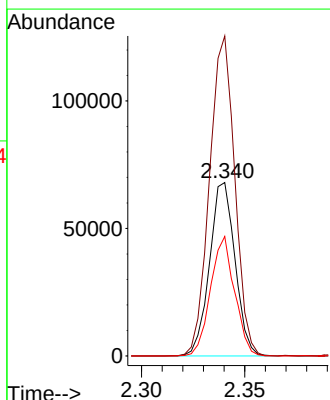
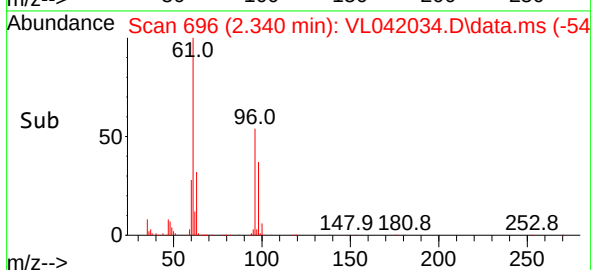
Reviewed By :Semsettin Yesilyurt 02/24/2025  
 Supervised By :Mahesh Dadoda 02/24/2025

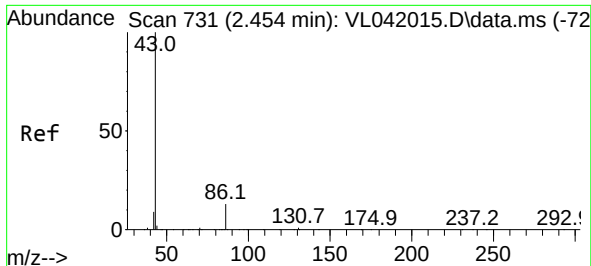


#22  
 trans-1,2-Dichloroethene  
 Concen: 8.667 ppbv  
 RT: 2.340 min Scan# 696  
 Delta R.T. -0.010 min  
 Lab File: VL042034.D  
 Acq: 21 Feb 2025 10:23



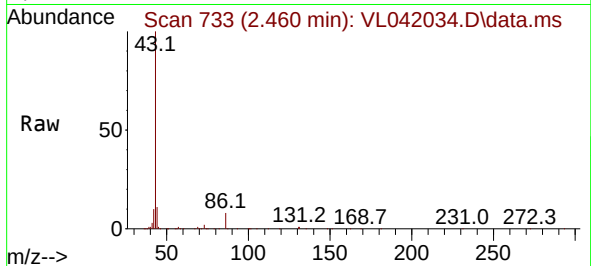
Tgt Ion: 96 Resp: 58399  
 Ion Ratio Lower Upper  
 96 100  
 61 184.5 142.3 213.5  
 98 68.9 50.2 75.2





#23  
 Vinyl Acetate  
 Concen: 11.001 ppbv  
 RT: 2.460 min Scan# 717  
 Delta R.T. -0.013 min  
 Lab File: VL042034.D  
 Acq: 21 Feb 2025 10:23

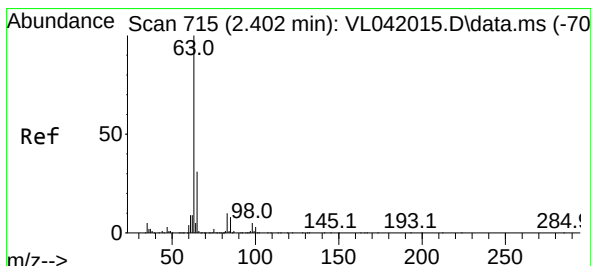
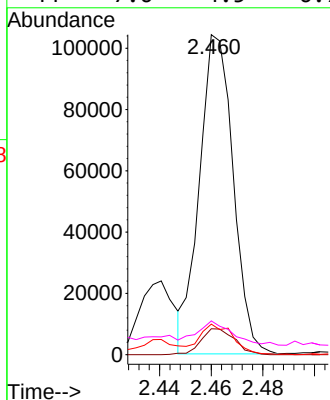
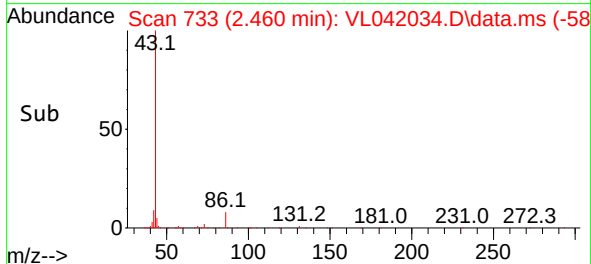
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



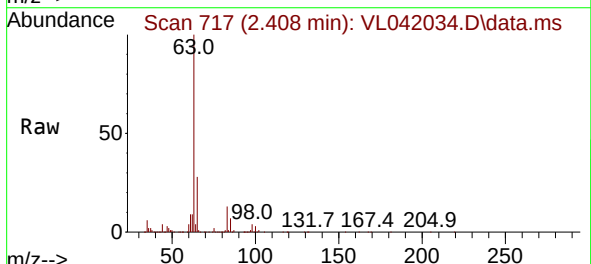
Tgt Ion: 43 Resp: 9456  
 Ion Ratio Lower Upper  
 43 100  
 86 8.1 8.1 12.1  
 42 9.4 7.5 11.3  
 44 7.6 4.5 6.7#

Manual Integrations  
 APPROVED

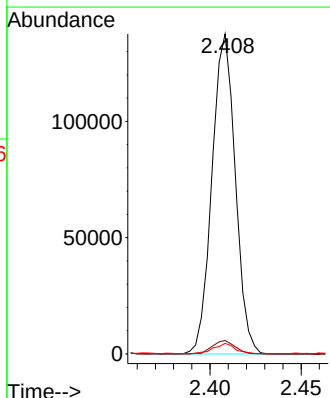
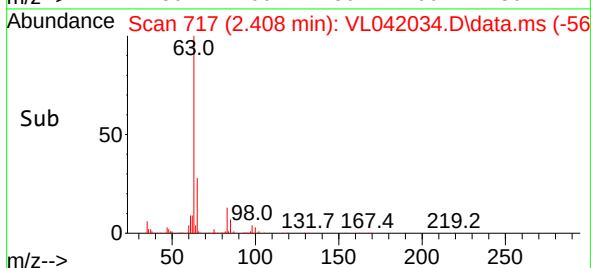
Reviewed By :Semsettin Yesilyurt 02/24/2025  
 Supervised By :Mahesh Dadoda 02/24/2025

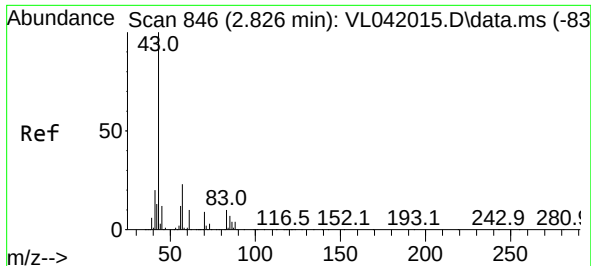


#24  
 1,1-Dichloroethane  
 Concen: 8.934 ppbv  
 RT: 2.408 min Scan# 717  
 Delta R.T. -0.010 min  
 Lab File: VL042034.D  
 Acq: 21 Feb 2025 10:23



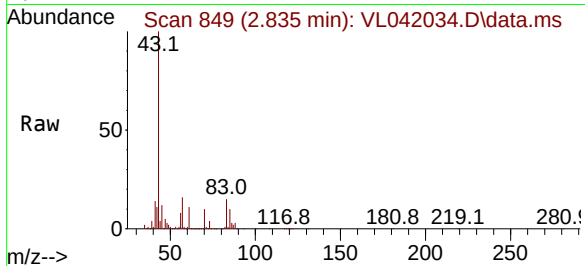
Tgt Ion: 63 Resp: 122220  
 Ion Ratio Lower Upper  
 63 100  
 98 4.2 2.4 7.2  
 100 3.2 1.6 4.8





#25  
Ethyl Acetate  
Concen: 11.389 ppbv  
RT: 2.835 min Scan# 84  
Delta R.T. -0.013 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

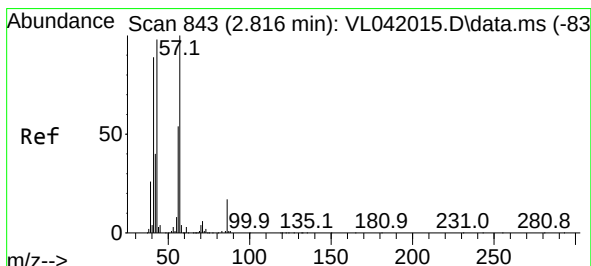
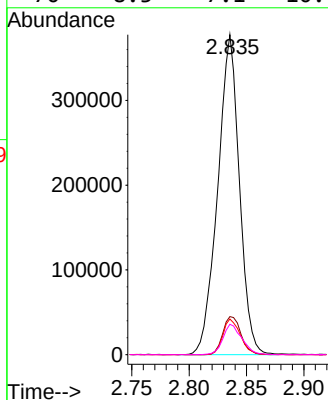
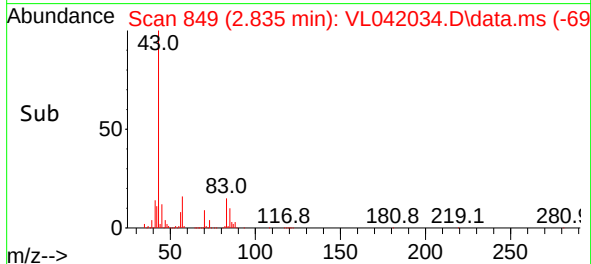
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 43 Resp: 496239  
Ion Ratio Lower Upper  
43 100  
45 10.1 8.1 12.1  
61 9.0 7.5 11.3  
70 8.3 7.1 10.7

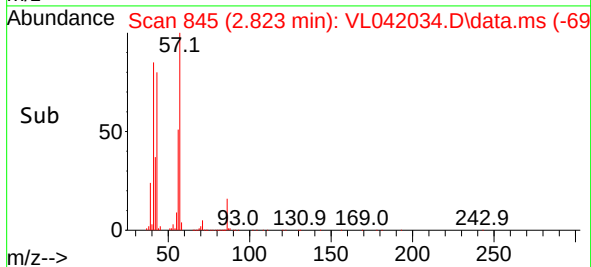
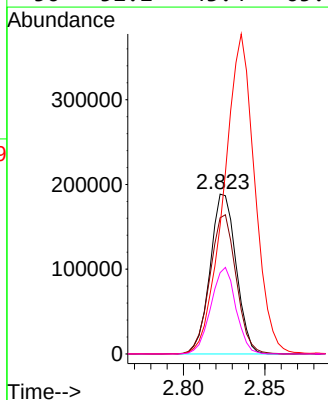
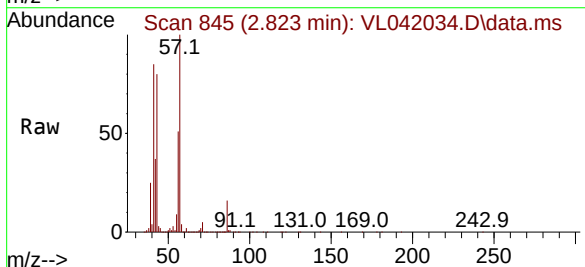
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025

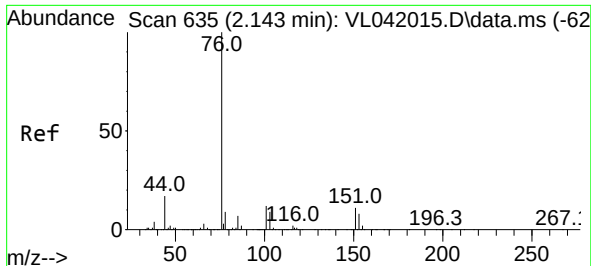


#26  
Hexane  
Concen: 11.930 ppbv  
RT: 2.823 min Scan# 845  
Delta R.T. -0.016 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

Tgt Ion: 57 Resp: 208594  
Ion Ratio Lower Upper  
57 100  
41 88.8 73.2 109.8  
43 238.5 200.8 301.2  
56 52.2 43.4 65.0

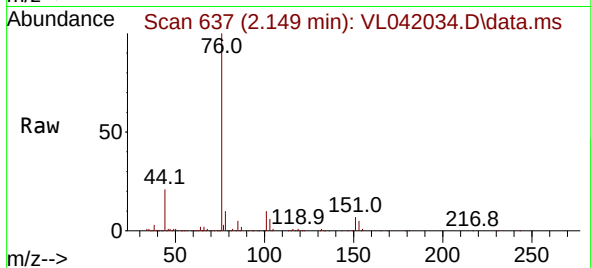






#27  
Carbon Disulfide  
Concen: 9.164 ppbv  
RT: 2.149 min Scan# 61  
Delta R.T. -0.010 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

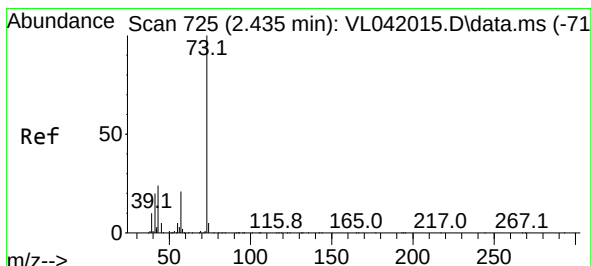
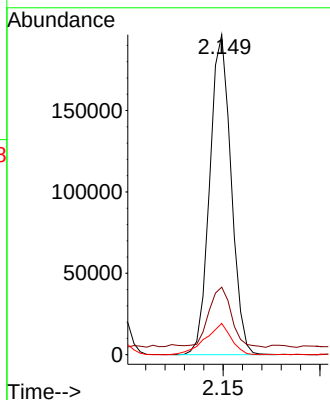
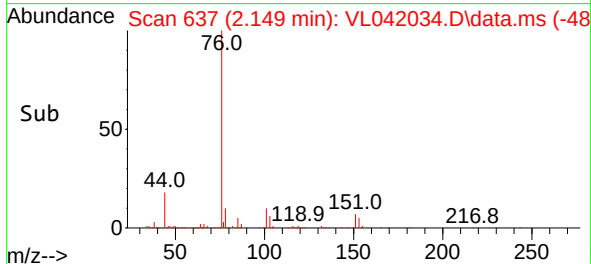
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



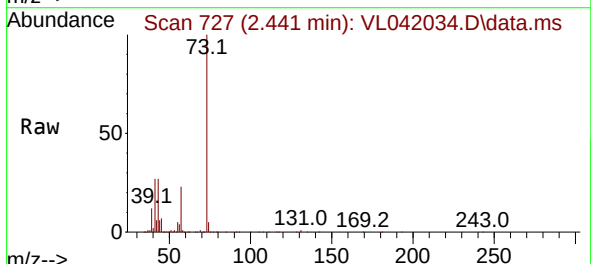
Tgt Ion: 76 Resp: 15070  
Ion Ratio Lower Upper  
76 100  
44 23.9 18.1 27.1  
78 11.7 9.5 14.3

Manual Integrations  
APPROVED

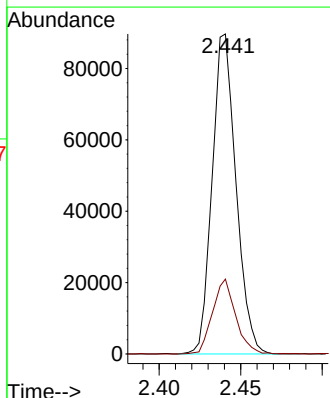
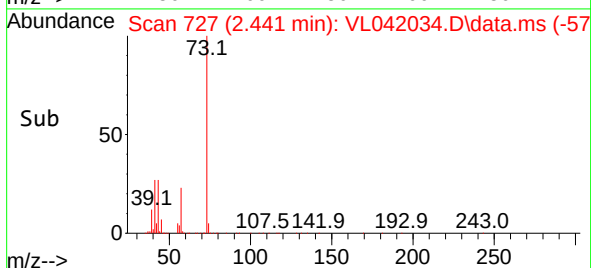
Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025

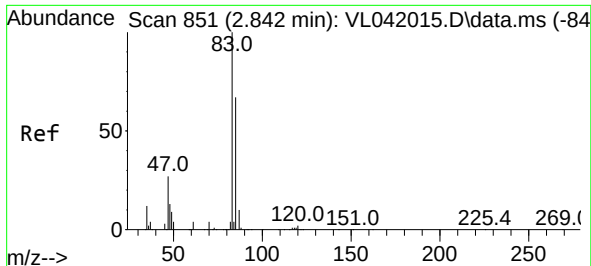


#28  
Methyl tert-Butyl Ether  
Concen: 8.528 ppbv  
RT: 2.441 min Scan# 727  
Delta R.T. -0.013 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23



Tgt Ion: 73 Resp: 91146  
Ion Ratio Lower Upper  
73 100  
57 22.9 18.3 27.5





#29

Chloroform

Concen: 10.753 ppbv

RT: 2.845 min Scan# 851

Delta R.T. -0.016 min

Lab File: VL042034.D

Acq: 21 Feb 2025 10:23

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 272319

Ion Ratio Lower Upper

83 100

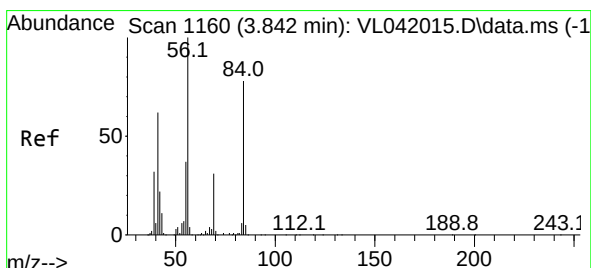
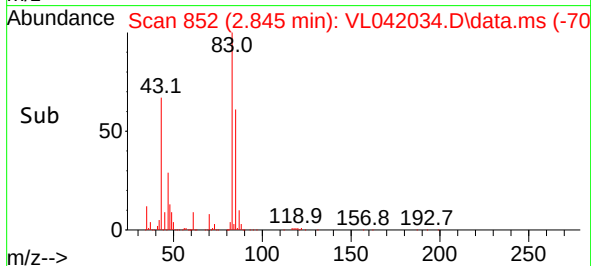
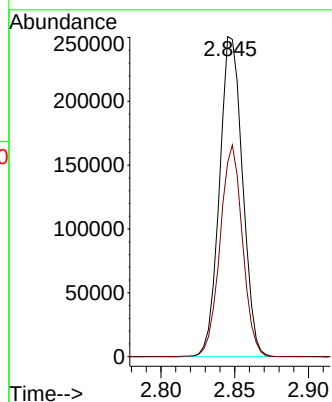
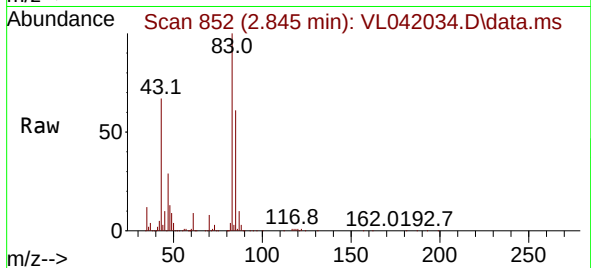
85 60.8 53.8 80.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025

Supervised By :Mahesh Dadoda 02/24/2025



#30

Cyclohexane

Concen: 11.537 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. -0.019 min

Lab File: VL042034.D

Acq: 21 Feb 2025 10:23

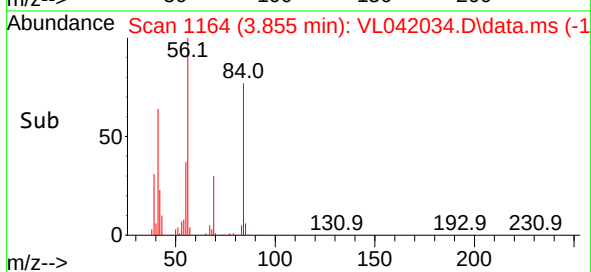
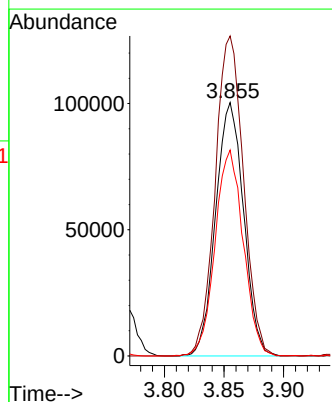
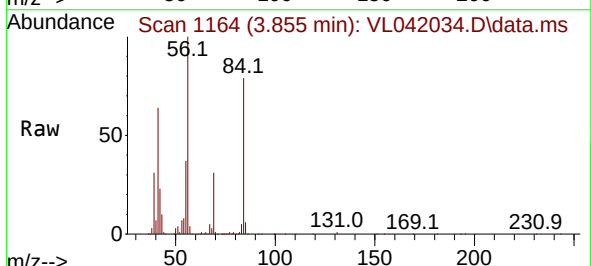
Tgt Ion: 84 Resp: 163645

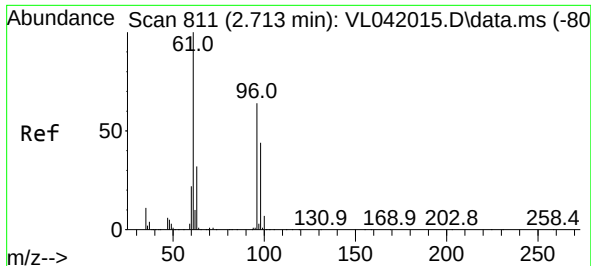
Ion Ratio Lower Upper

84 100

56 127.8 99.5 149.3

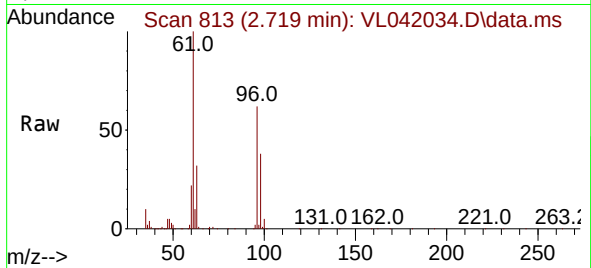
41 82.1 62.2 93.2





#31  
 cis-1,2-Dichloroethene  
 Concen: 11.227 ppbv  
 RT: 2.719 min Scan# 811  
 Delta R.T. -0.013 min  
 Lab File: VL042034.D  
 Acq: 21 Feb 2025 10:23

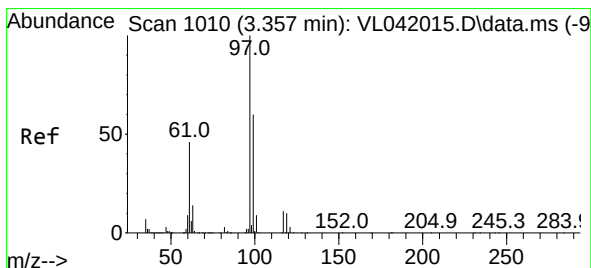
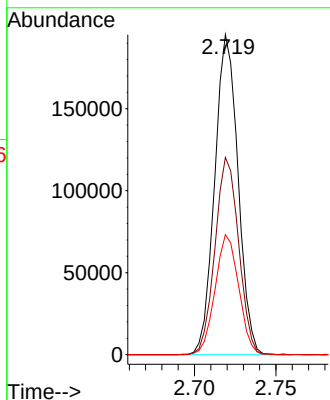
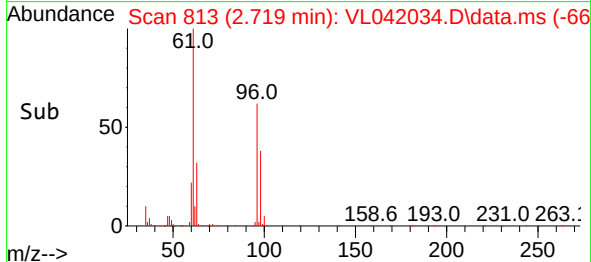
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



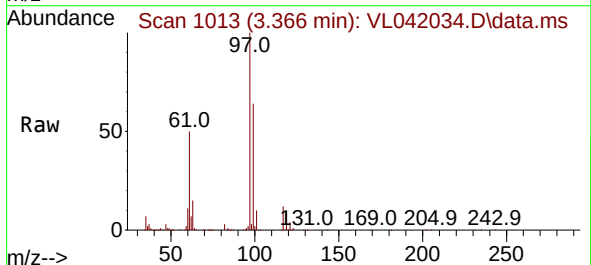
Tgt Ion: 61 Resp: 194010  
 Ion Ratio Lower Upper  
 61 100  
 96 61.6 51.6 77.4  
 98 37.5 34.8 52.2

Manual Integrations  
 APPROVED

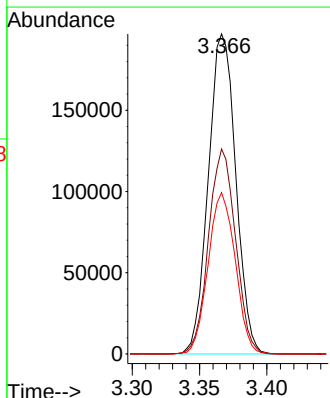
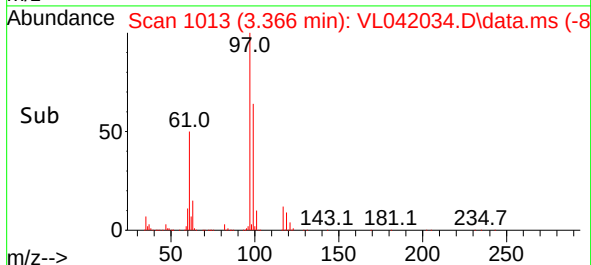
Reviewed By :Semsettin Yesilyurt 02/24/2025  
 Supervised By :Mahesh Dadoda 02/24/2025

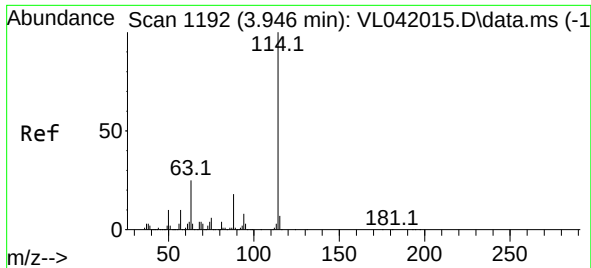


#32  
 1,1,1-Trichloroethane  
 Concen: 9.946 ppbv  
 RT: 3.366 min Scan# 1013  
 Delta R.T. -0.016 min  
 Lab File: VL042034.D  
 Acq: 21 Feb 2025 10:23



Tgt Ion: 97 Resp: 279320  
 Ion Ratio Lower Upper  
 97 100  
 99 63.0 51.0 76.4  
 61 49.9 37.9 56.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.023 min

Lab File: VL042034.D

Acq: 21 Feb 2025 10:23

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion:114 Resp: 241609

Ion Ratio Lower Upper

114 100

63 27.3 20.2 30.2

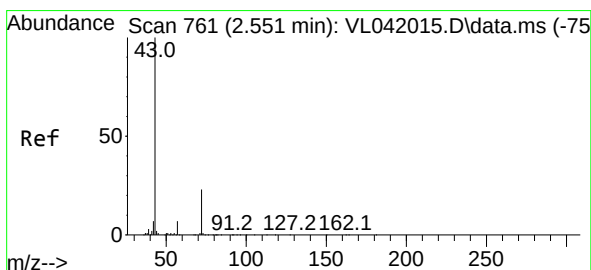
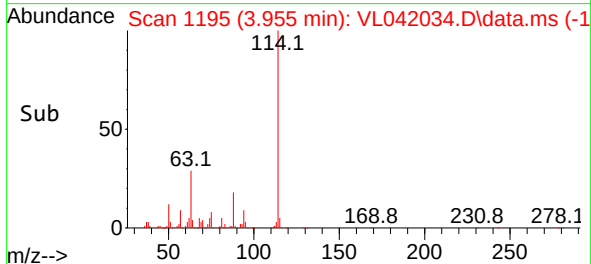
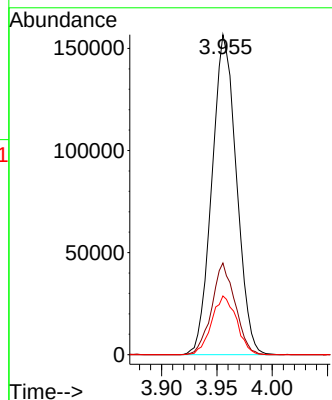
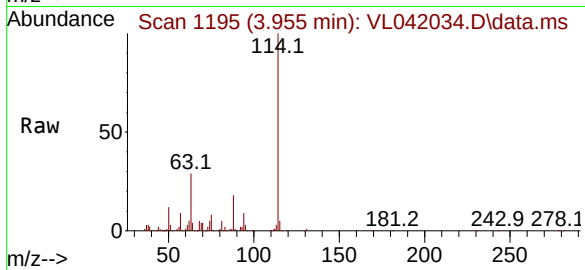
88 18.7 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025

Supervised By :Mahesh Dadoda 02/24/2025



#34

2-Butanone

Concen: 13.832 ppbv

RT: 2.557 min Scan# 763

Delta R.T. -0.013 min

Lab File: VL042034.D

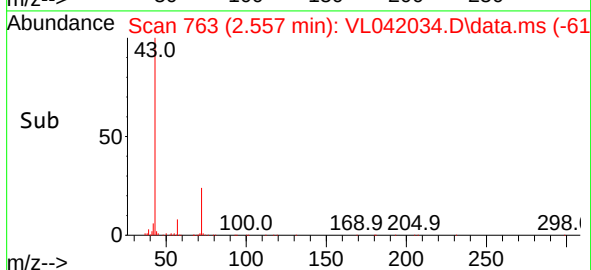
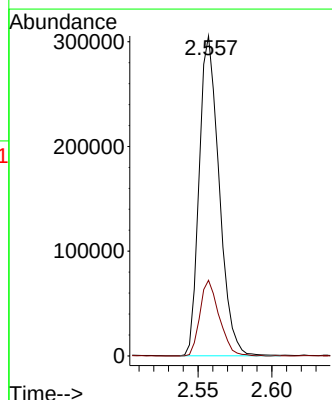
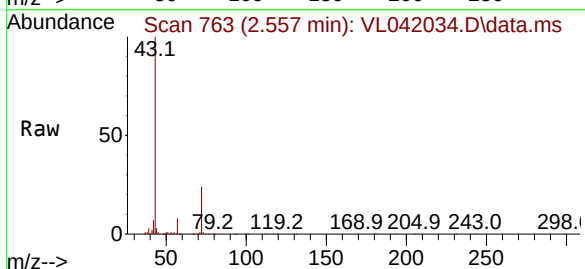
Acq: 21 Feb 2025 10:23

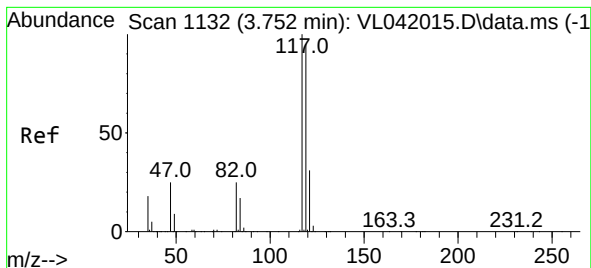
Tgt Ion: 43 Resp: 287518

Ion Ratio Lower Upper

43 100

72 22.9 18.3 27.5





#35

Carbon Tetrachloride

Concen: 11.180 ppbv

RT: 3.761 min Scan# 1135

Delta R.T. -0.019 min

Lab File: VL042034.D

Acq: 21 Feb 2025 10:23

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

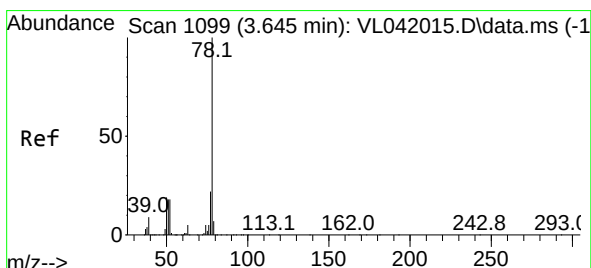
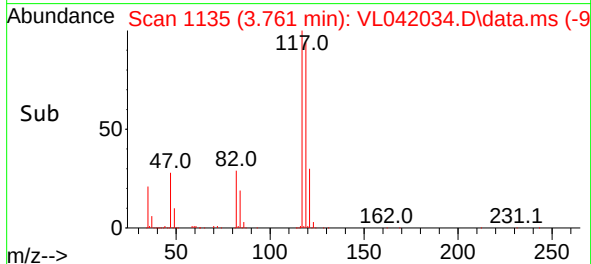
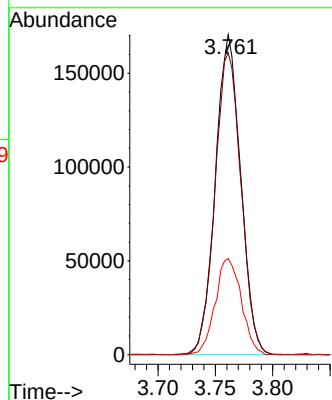
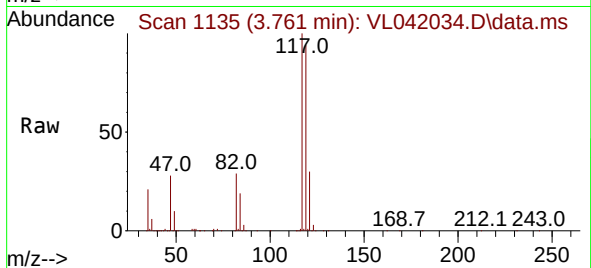
Tgt Ion:117 Resp: 262294

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 94.2  | 75.8  | 113.6 |
| 121 | 30.0  | 24.6  | 36.8  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025



#36

Benzene

Concen: 13.067 ppbv

RT: 3.654 min Scan# 1102

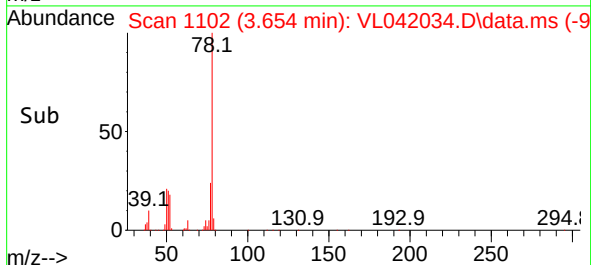
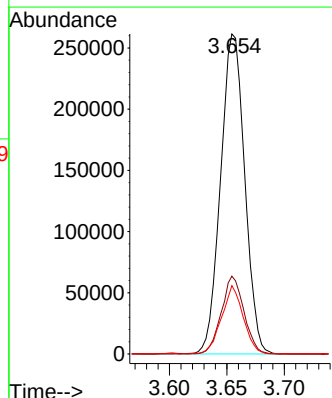
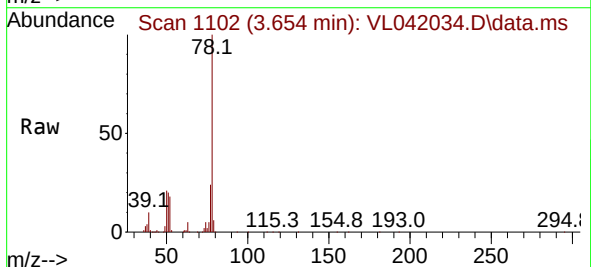
Delta R.T. -0.019 min

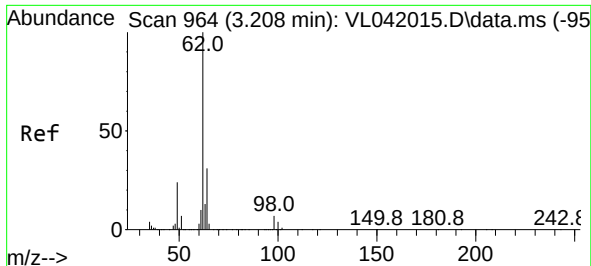
Lab File: VL042034.D

Acq: 21 Feb 2025 10:23

Tgt Ion: 78 Resp: 382440

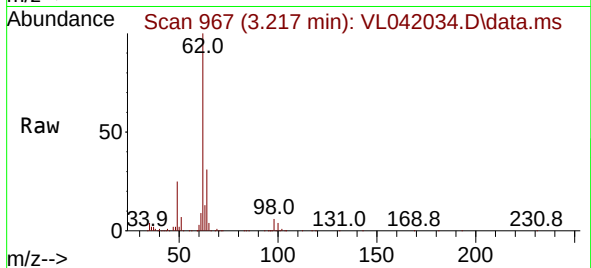
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 78  | 100   |       |       |
| 77  | 24.3  | 18.0  | 27.0  |
| 50  | 21.3  | 15.2  | 22.8  |





#37  
1,2-Dichloroethane  
Concen: 13.336 ppbv  
RT: 3.217 min Scan# 90  
Delta R.T. -0.016 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

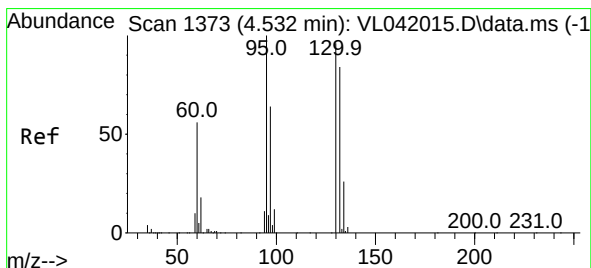
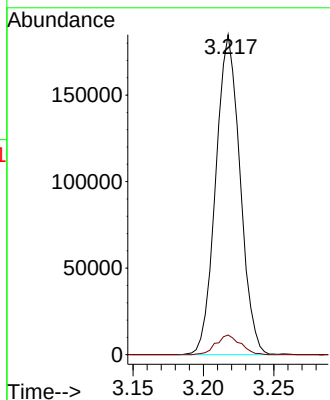
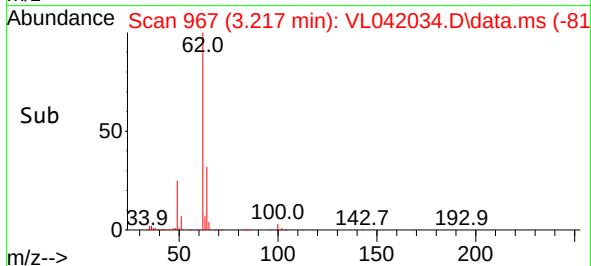
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



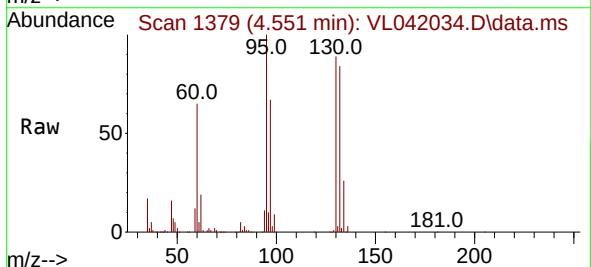
Tgt Ion: 62 Resp: 222192  
Ion Ratio Lower Upper  
62 100  
98 6.2 5.7 8.5

Manual Integrations  
APPROVED

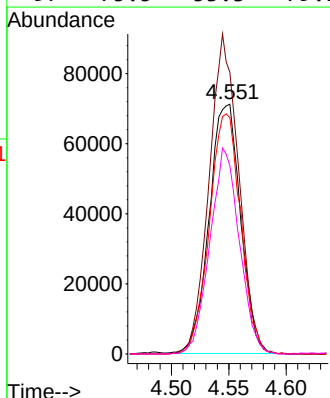
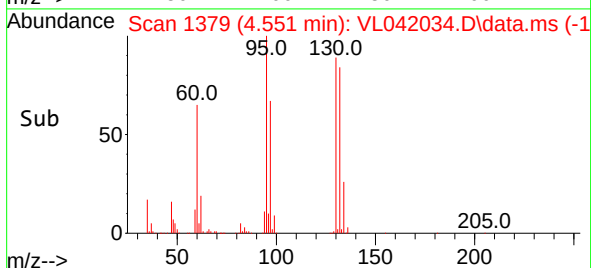
Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025

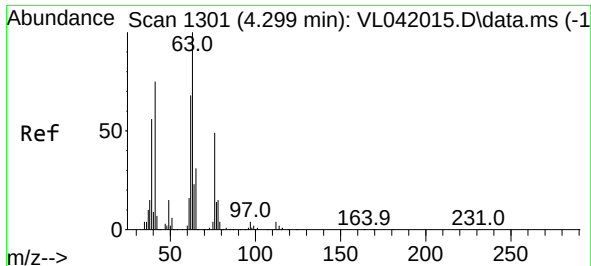


#38  
Trichloroethene  
Concen: 11.367 ppbv  
RT: 4.551 min Scan# 1379  
Delta R.T. -0.016 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23



Tgt Ion:130 Resp: 135154  
Ion Ratio Lower Upper  
130 100  
95 112.8 82.8 124.2  
132 94.6 70.0 105.0  
97 75.5 53.3 79.9





#39

1,2-Dichloropropane

Concen: 13.393 ppbv

RT: 4.315 min Scan# 1306

Delta R.T. -0.019 min

Lab File: VL042034.D

Acq: 21 Feb 2025 10:23

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 143700

Ion Ratio Lower Upper

63 100

41 75.2 60.1 90.1

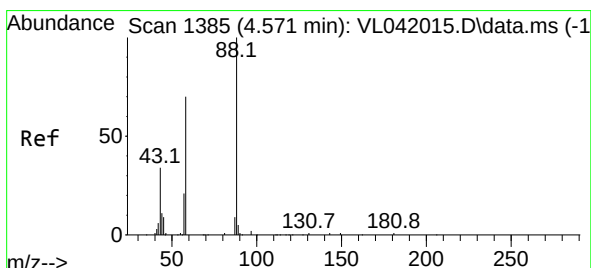
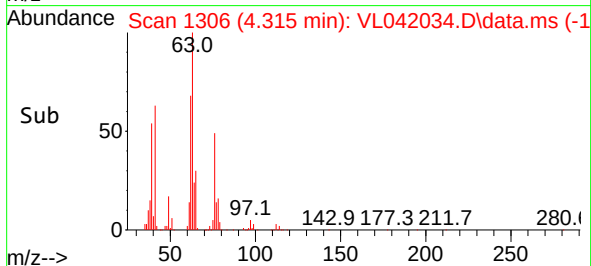
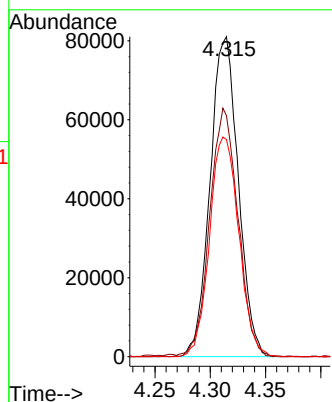
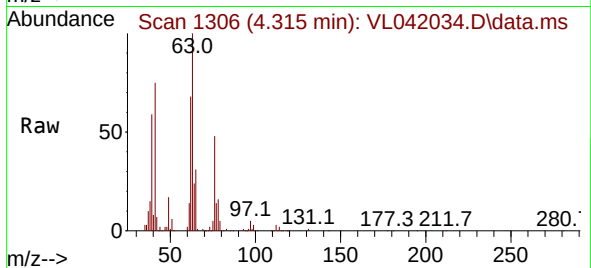
62 67.9 54.0 81.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025

Supervised By :Mahesh Dadoda 02/24/2025



#40

1,4-Dioxane

Concen: 11.494 ppbv

RT: 4.580 min Scan# 1388

Delta R.T. -0.029 min

Lab File: VL042034.D

Acq: 21 Feb 2025 10:23

Tgt Ion: 88 Resp: 64177

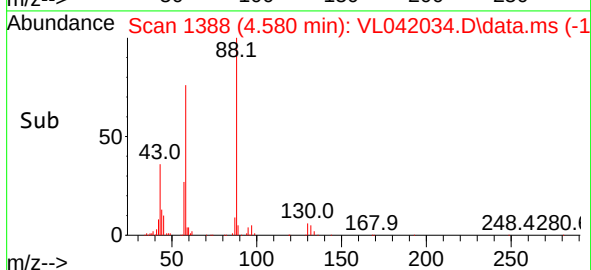
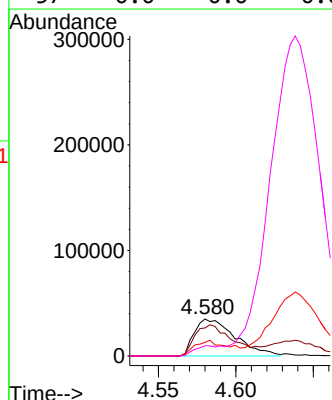
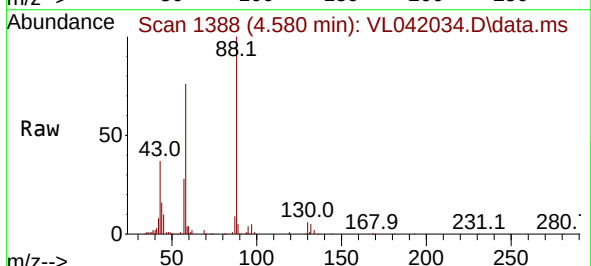
Ion Ratio Lower Upper

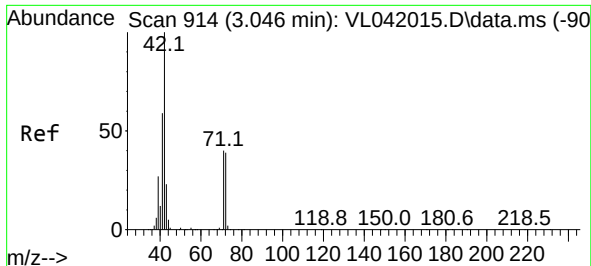
88 100

58 74.7 58.1 87.1

43 0.0 27.3 40.9#

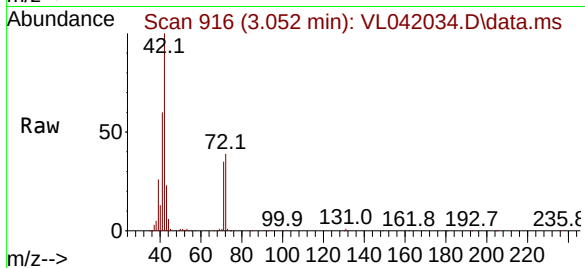
57 0.0 0.0 0.0





#41  
Tetrahydrofuran  
Concen: 14.187 ppbv  
RT: 3.052 min Scan# 914  
Delta R.T. -0.016 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

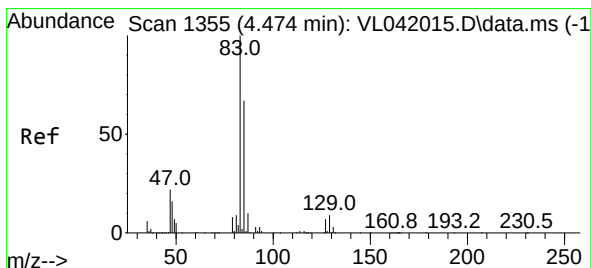
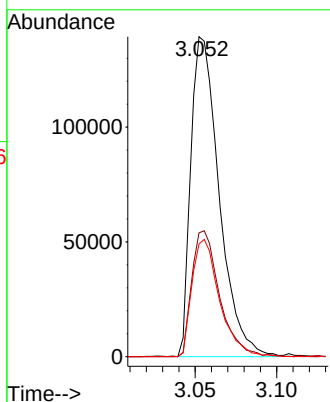
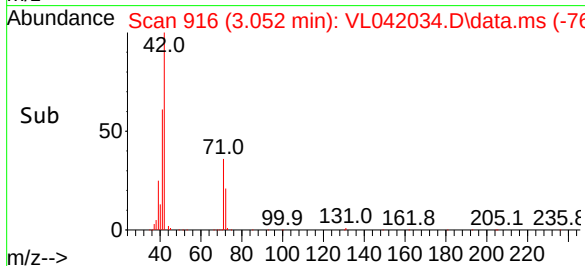
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 42 Resp: 16852  
Ion Ratio Lower Upper  
42 100  
72 38.7 32.3 48.5  
71 35.7 30.9 46.3

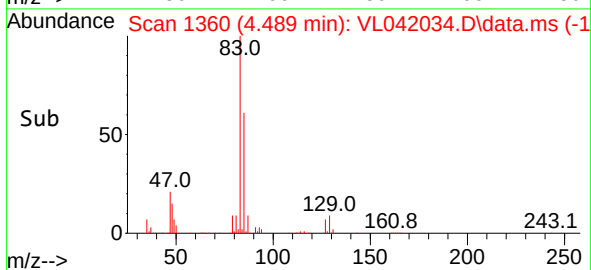
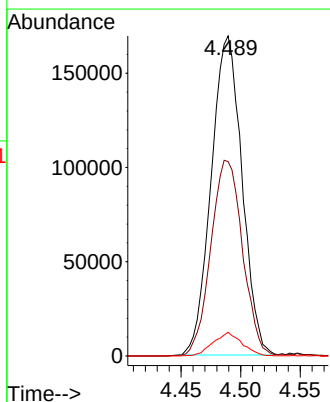
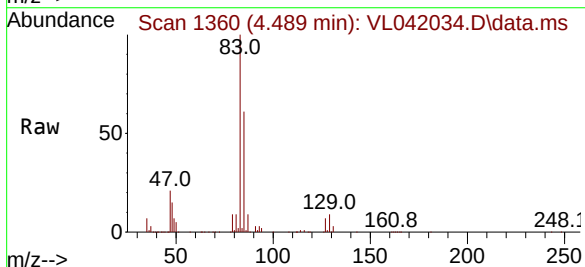
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025

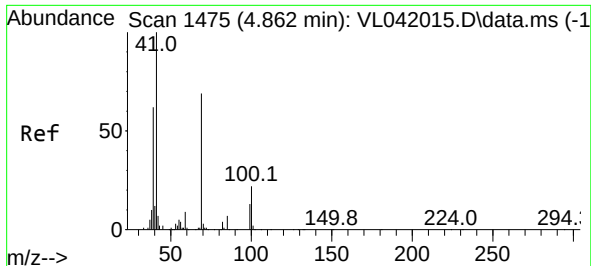


#42  
Bromodichloromethane  
Concen: 13.473 ppbv  
RT: 4.489 min Scan# 1360  
Delta R.T. -0.026 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

Tgt Ion: 83 Resp: 304101  
Ion Ratio Lower Upper  
83 100  
85 60.8 53.3 79.9  
127 7.4 6.0 9.0

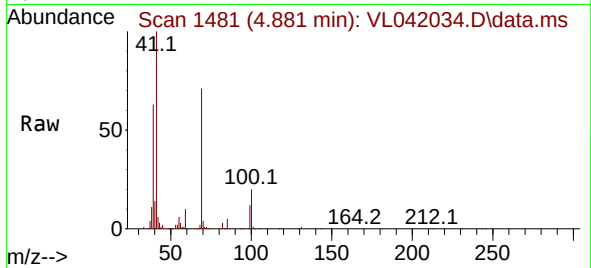






#43  
Methyl Methacrylate  
Concen: 11.700 ppbv  
RT: 4.881 min Scan# 1481  
Delta R.T. -0.023 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

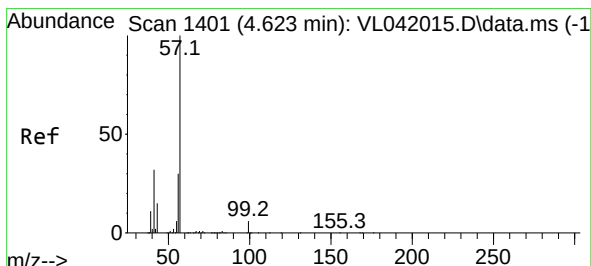
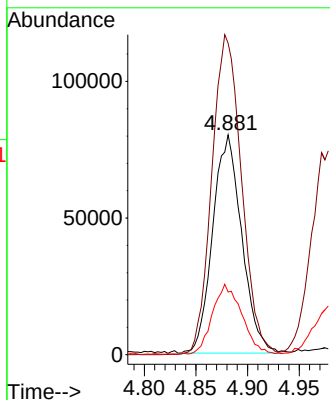
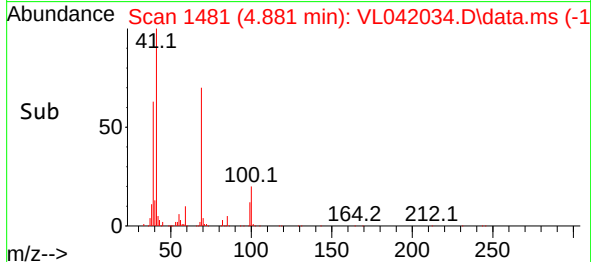
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



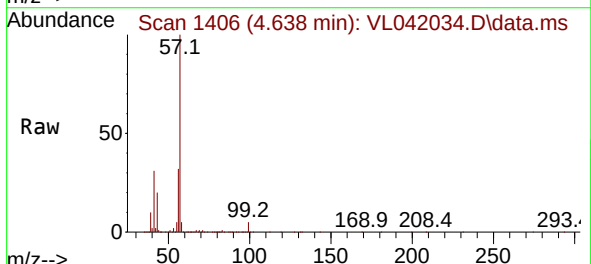
Tgt Ion: 69 Resp: 156100  
Ion Ratio Lower Upper  
69 100  
41 150.2 114.9 172.3  
100 32.8 28.8 43.2

Manual Integrations  
APPROVED

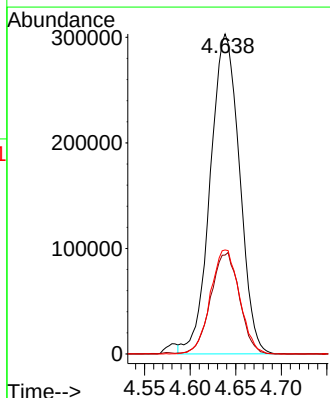
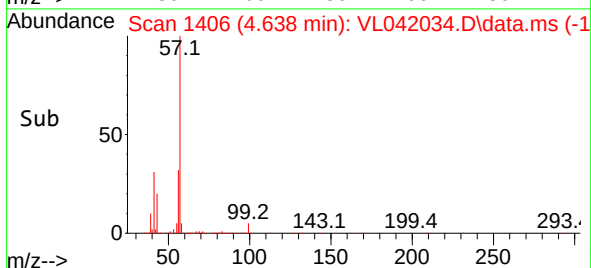
Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025

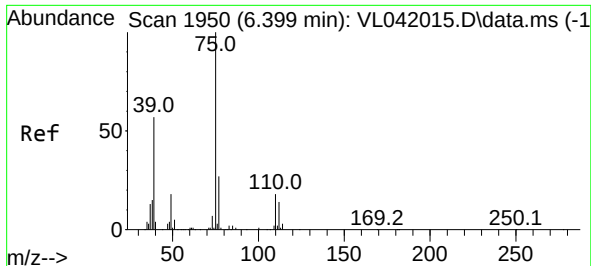


#44  
2,2,4-Trimethylpentane  
Concen: 13.593 ppbv  
RT: 4.638 min Scan# 1406  
Delta R.T. -0.026 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23



Tgt Ion: 57 Resp: 675335  
Ion Ratio Lower Upper  
57 100  
41 31.4 25.9 38.9  
56 32.4 24.9 37.3





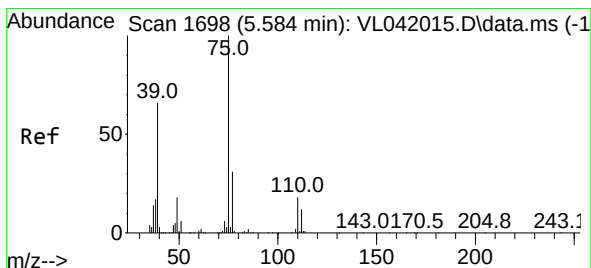
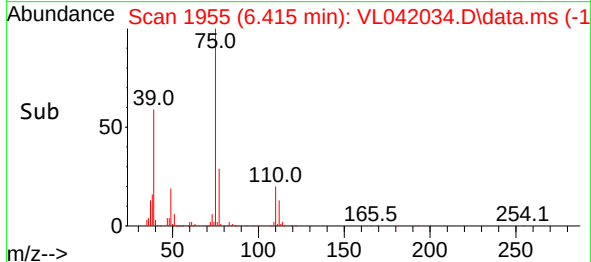
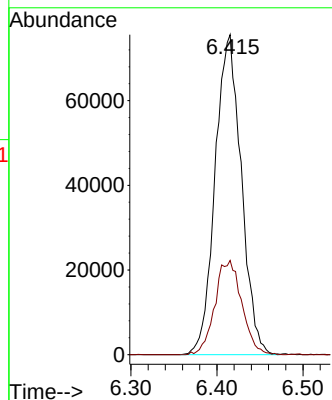
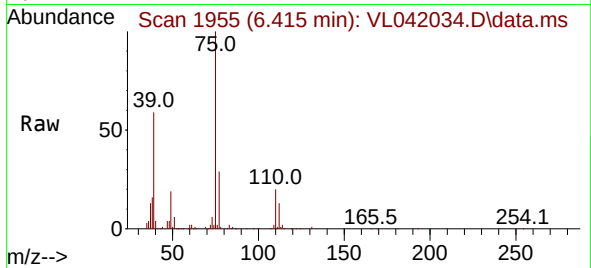
#45  
t-1,3-Dichloropropene  
Concen: 12.654 ppbv  
RT: 6.415 min Scan# 1955  
Delta R.T. -0.029 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 75 Resp: 15937  
Ion Ratio Lower Upper  
75 100  
77 29.4 22.1 33.1

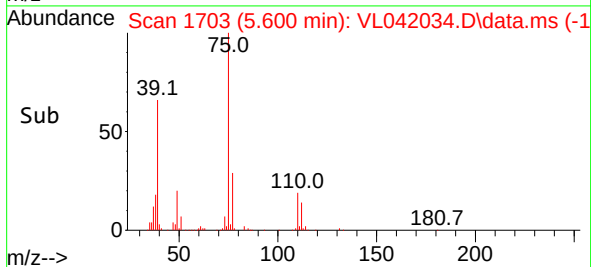
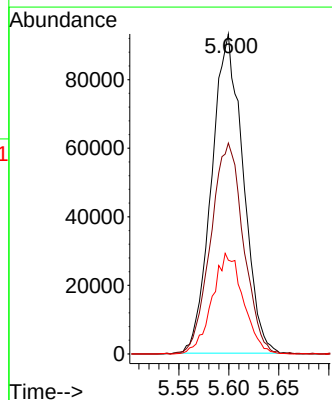
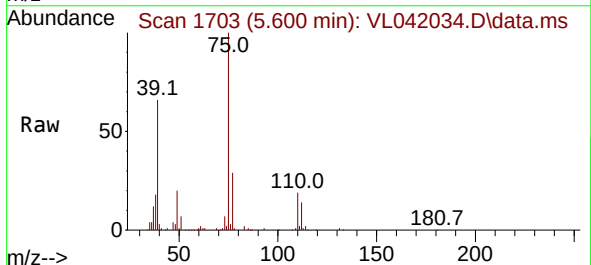
Manual Integrations  
APPROVED

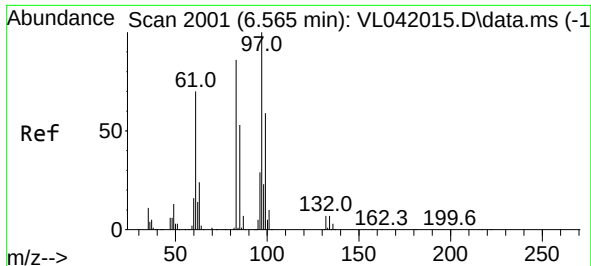
Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025



#46  
cis-1,3-Dichloropropene  
Concen: 12.740 ppbv  
RT: 5.600 min Scan# 1703  
Delta R.T. -0.029 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

Tgt Ion: 75 Resp: 203587  
Ion Ratio Lower Upper  
75 100  
39 65.9 52.2 78.4  
77 29.2 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 12.460 ppbv

RT: 6.583 min Scan# 2001

Delta R.T. -0.026 min

Lab File: VL042034.D

Acq: 21 Feb 2025 10:23

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 140700

Ion Ratio Lower Upper

97 100

83 83.5 68.6 102.8

85 55.0 42.2 63.4

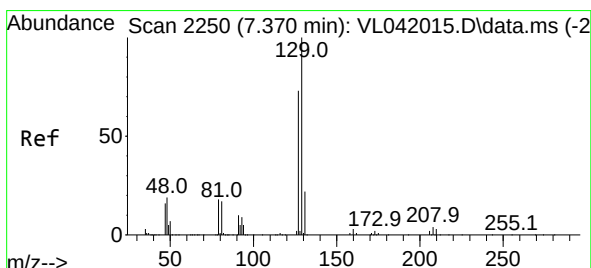
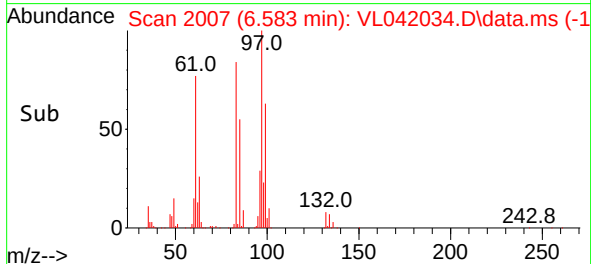
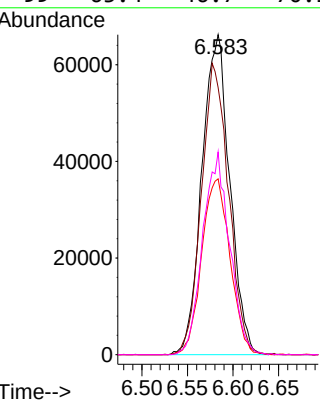
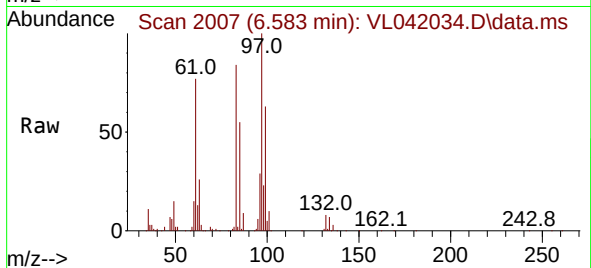
99 63.4 46.7 70.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025

Supervised By :Mahesh Dadoda 02/24/2025



#48

Dibromochloromethane

Concen: 11.996 ppbv

RT: 7.383 min Scan# 2254

Delta R.T. -0.026 min

Lab File: VL042034.D

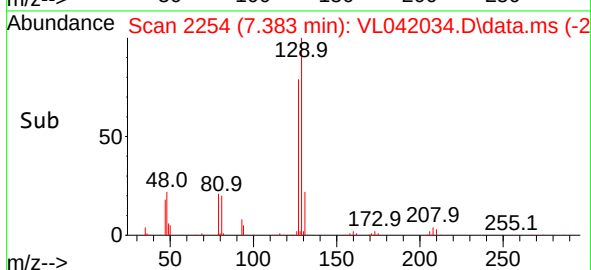
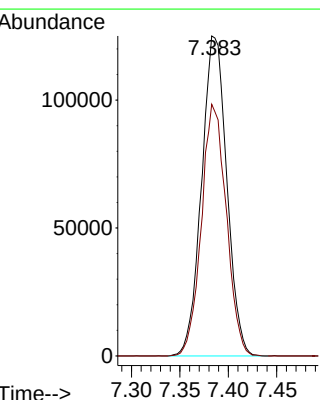
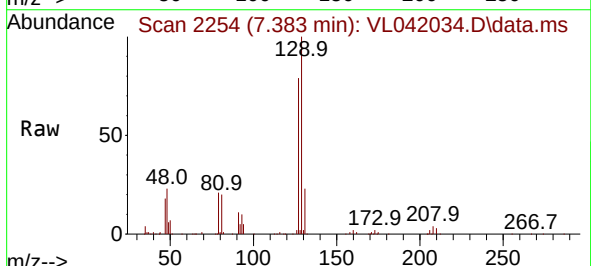
Acq: 21 Feb 2025 10:23

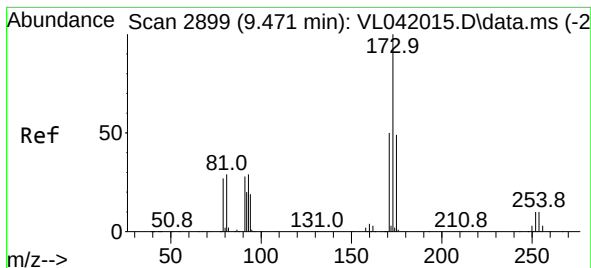
Tgt Ion:129 Resp: 226878

Ion Ratio Lower Upper

129 100

127 77.4 38.2 114.6





#49

Bromoform

Concen: 11.762 ppbv

RT: 9.484 min Scan# 2903

Delta R.T. -0.016 min

Lab File: VL042034.D

Acq: 21 Feb 2025 10:23

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion:173 Resp: 182464

Ion Ratio Lower Upper

173 100

175 48.1 39.3 58.9

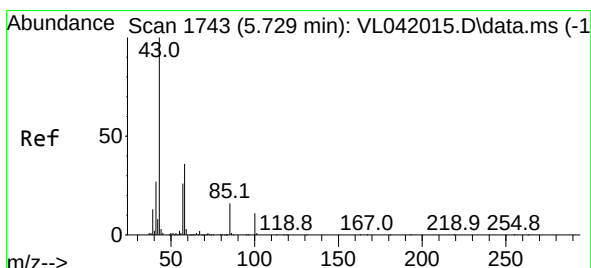
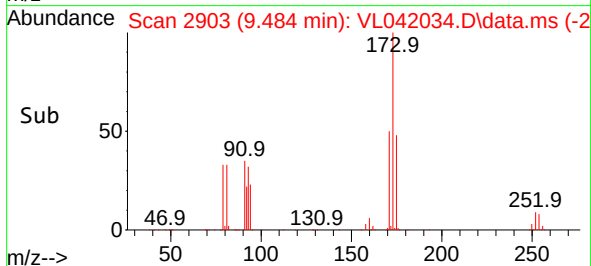
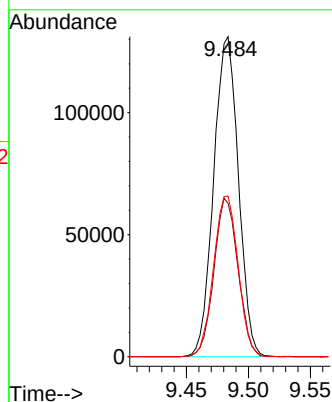
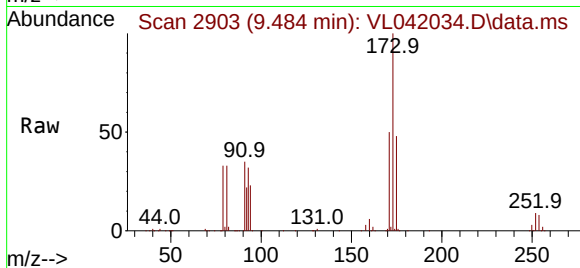
171 50.0 41.4 62.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025

Supervised By :Mahesh Dadoda 02/24/2025



#50

4-Methyl-2-Pentanone

Concen: 12.943 ppbv

RT: 5.748 min Scan# 1749

Delta R.T. -0.035 min

Lab File: VL042034.D

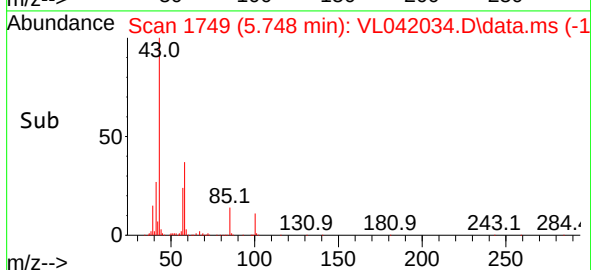
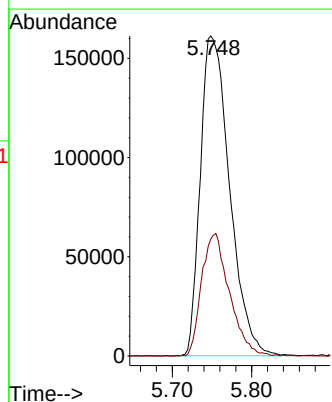
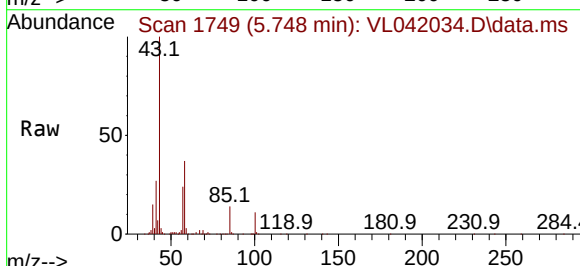
Acq: 21 Feb 2025 10:23

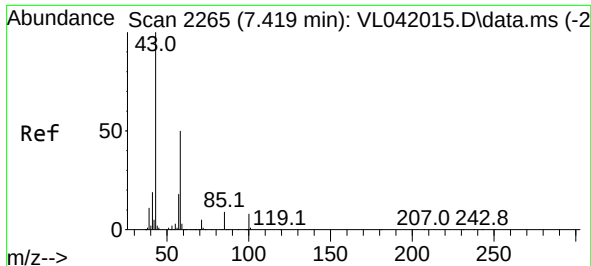
Tgt Ion: 43 Resp: 413492

Ion Ratio Lower Upper

43 100

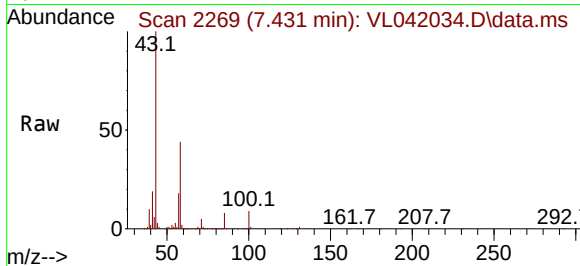
58 36.4 29.4 44.0





#51  
2-Hexanone  
Concen: 12.940 ppbv  
RT: 7.431 min Scan# 21  
Delta R.T. -0.029 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

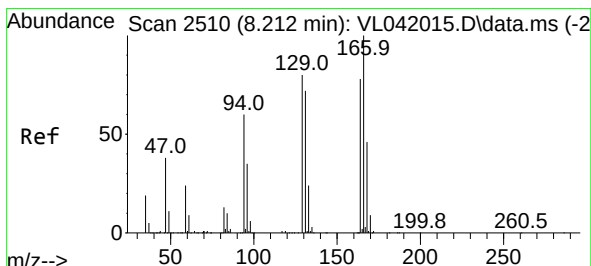
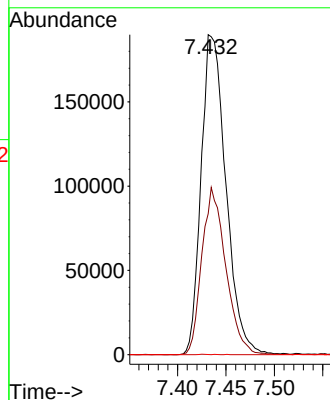
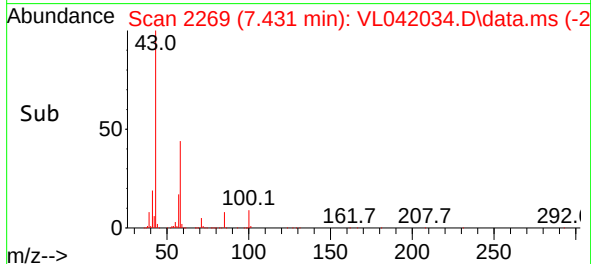
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



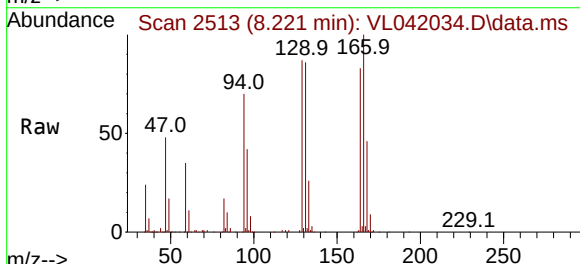
Tgt Ion: 43 Resp: 33810  
Ion Ratio Lower Upper  
43 100  
58 50.6 41.4 62.0  
98 0.1 0.0 0.0

Manual Integrations  
APPROVED

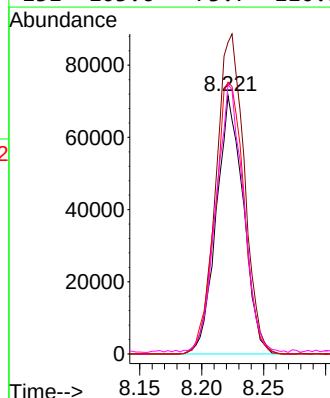
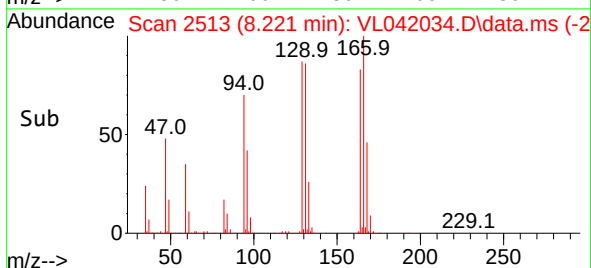
Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025

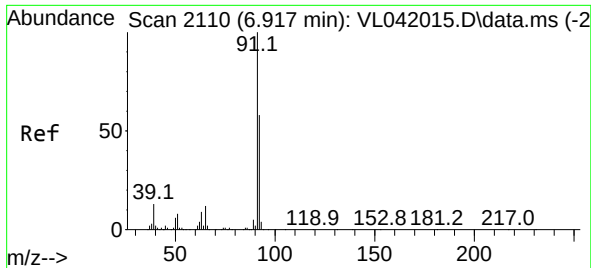


#52  
Tetrachloroethene  
Concen: 10.614 ppbv  
RT: 8.221 min Scan# 2513  
Delta R.T. -0.023 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23



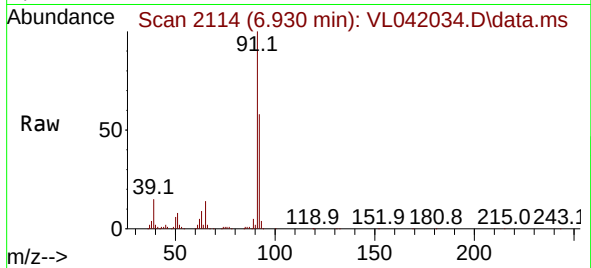
Tgt Ion:164 Resp: 108347  
Ion Ratio Lower Upper  
164 100  
166 120.7 102.2 153.2  
129 105.2 82.2 123.4  
131 103.6 73.7 110.5





#53  
Toluene  
Concen: 12.204 ppbv  
RT: 6.930 min Scan# 2114  
Delta R.T. -0.026 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

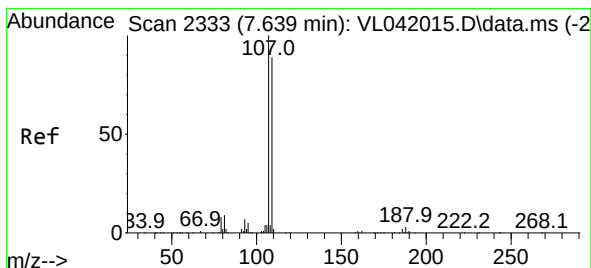
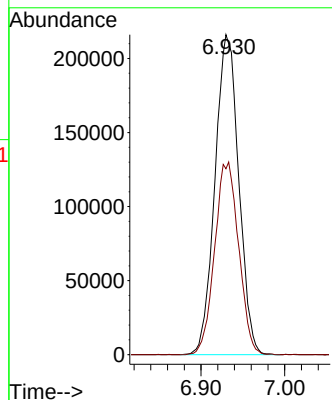
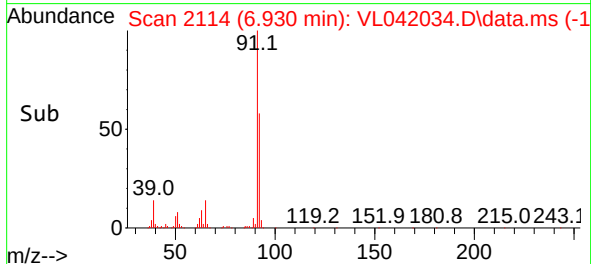
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 91 Resp: 425619  
Ion Ratio Lower Upper  
91 100  
92 60.8 47.5 71.3

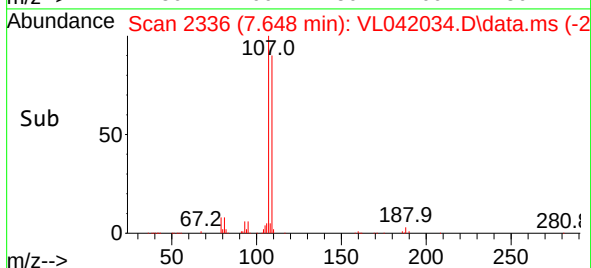
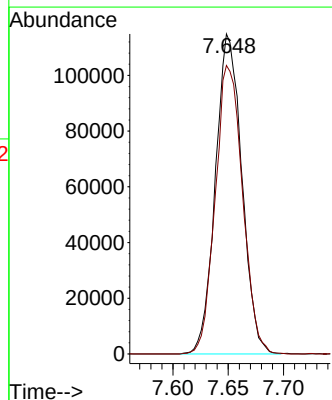
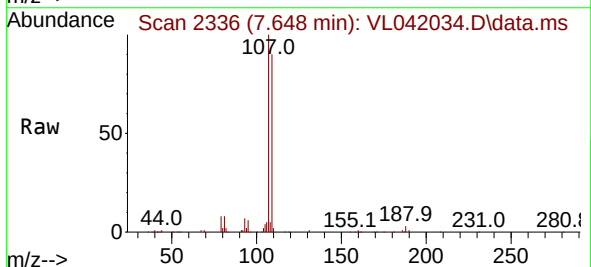
Manual Integrations  
APPROVED

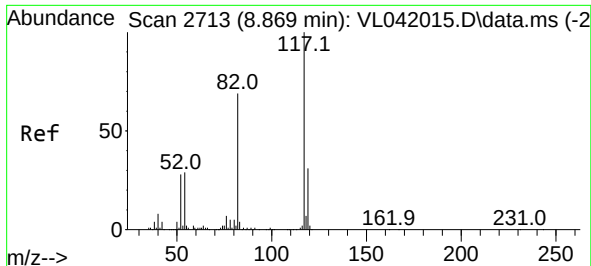
Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025



#54  
1,2-Dibromoethane  
Concen: 12.260 ppbv  
RT: 7.648 min Scan# 2336  
Delta R.T. -0.026 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

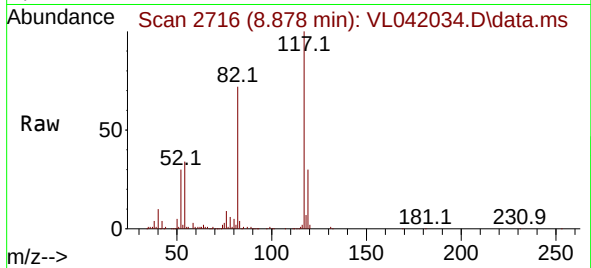
Tgt Ion:107 Resp: 190617  
Ion Ratio Lower Upper  
107 100  
109 90.1 71.5 107.3





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.878 min Scan# 2716  
Delta R.T. -0.019 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

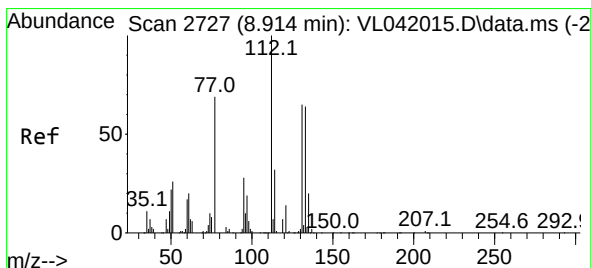
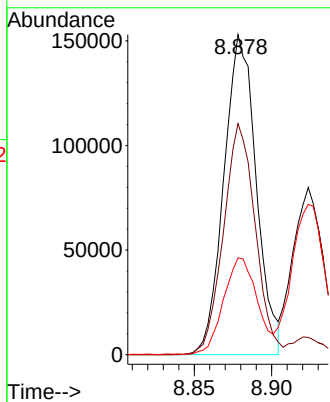
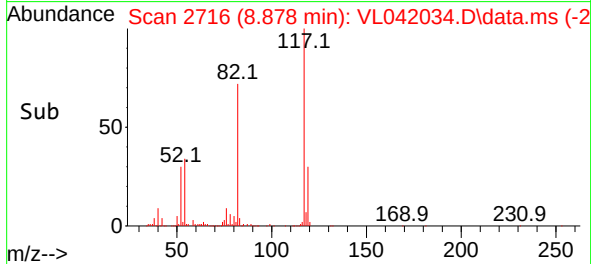
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



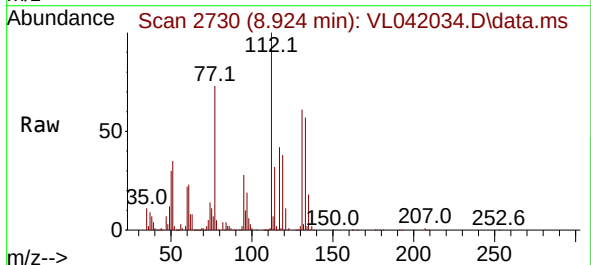
Tgt Ion:117 Resp: 22244  
Ion Ratio Lower Upper  
117 100  
82 76.2 55.7 83.5  
119 33.0 25.2 37.8

Manual Integrations  
APPROVED

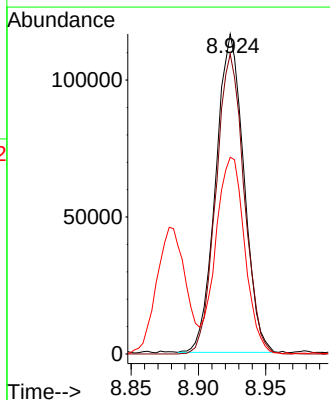
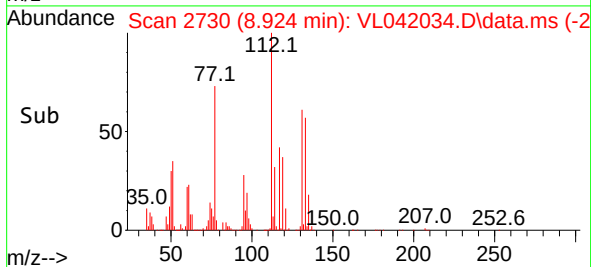
Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025

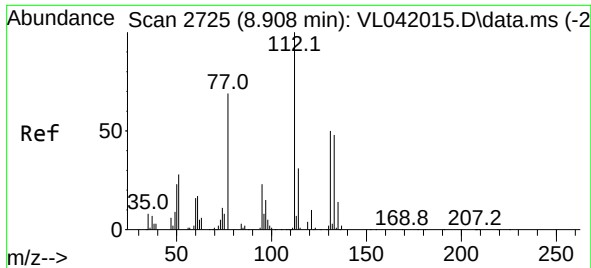


#56  
1,1,1,2-Tetrachloroethane  
Concen: 10.595 ppbv  
RT: 8.924 min Scan# 2730  
Delta R.T. -0.019 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23



Tgt Ion:131 Resp: 168690  
Ion Ratio Lower Upper  
131 100  
133 94.1 77.8 116.8  
119 63.5 49.1 73.7





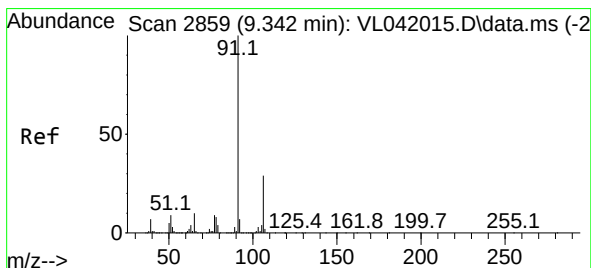
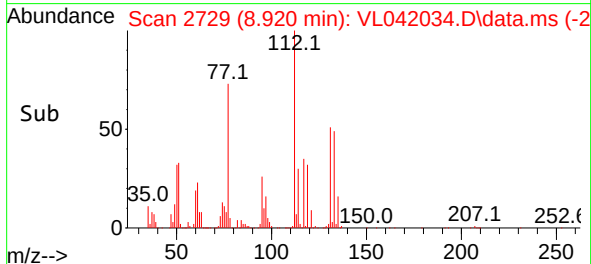
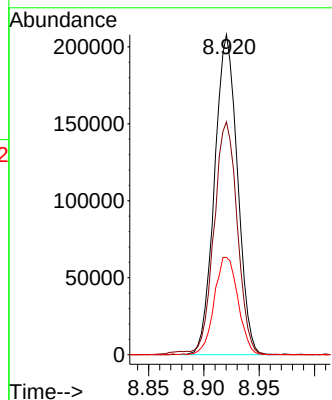
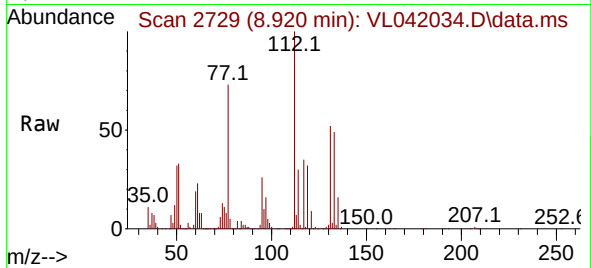
#57  
Chlorobenzene  
Concen: 11.457 ppbv  
RT: 8.920 min Scan# 21  
Delta R.T. -0.019 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion:112 Resp: 29981  
Ion Ratio Lower Upper  
112 100  
77 72.7 56.2 84.2  
114 30.3 28.2 34.4

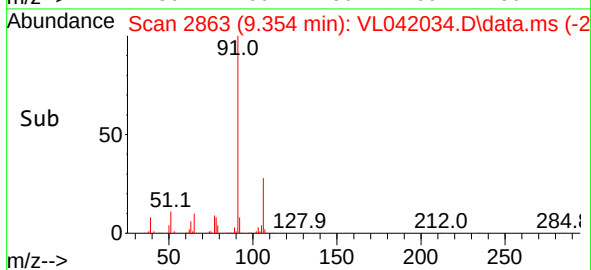
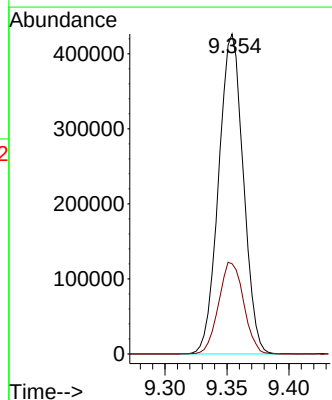
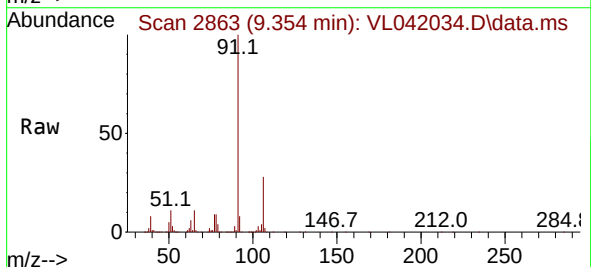
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025

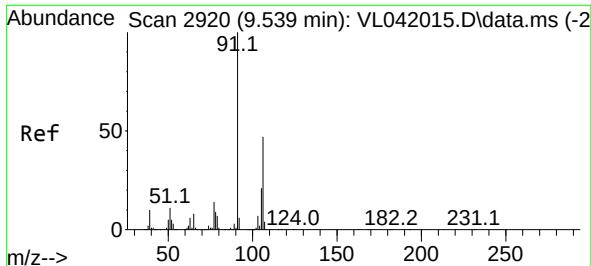


#58  
Ethyl Benzene  
Concen: 12.140 ppbv  
RT: 9.354 min Scan# 2863  
Delta R.T. -0.016 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

Tgt Ion: 91 Resp: 591042  
Ion Ratio Lower Upper  
91 100  
106 28.2 23.1 34.7







#59

m/p-Xylene

Concen: 23.916 ppbv m

RT: 9.552 min Scan# 2917

Delta R.T. 0.003 min

Lab File: VL042034.D

Acq: 21 Feb 2025 10:23

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 917079

Ion Ratio Lower Upper

91 100

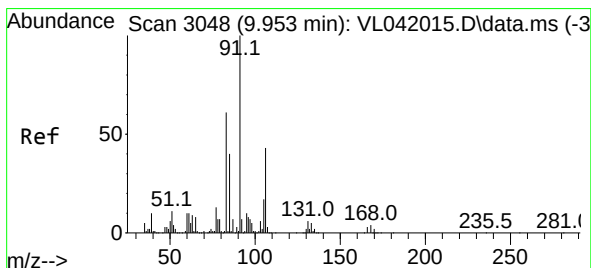
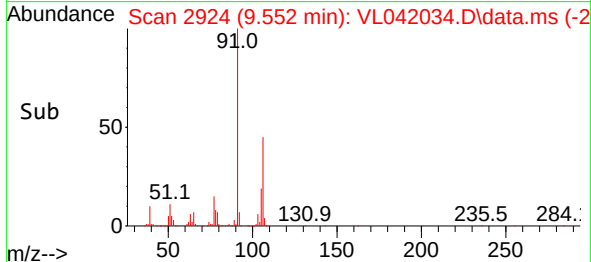
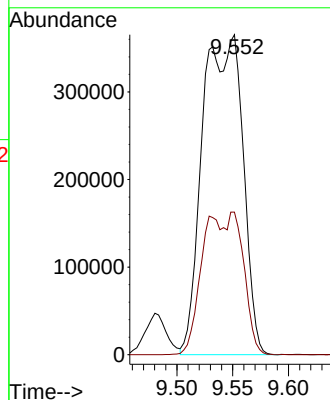
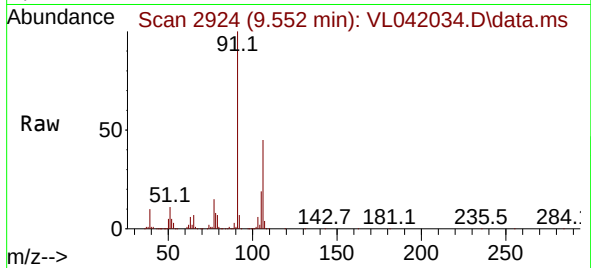
106 0.0 35.8 53.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025

Supervised By :Mahesh Dadoda 02/24/2025



#60

o-Xylene

Concen: 11.636 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.016 min

Lab File: VL042034.D

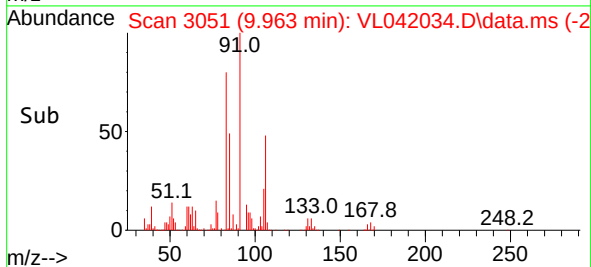
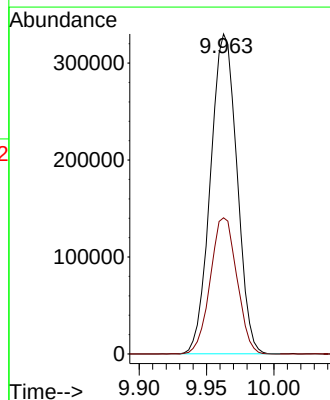
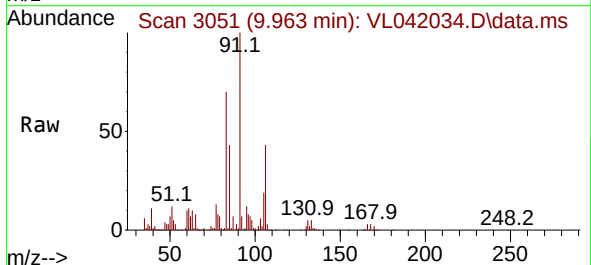
Acq: 21 Feb 2025 10:23

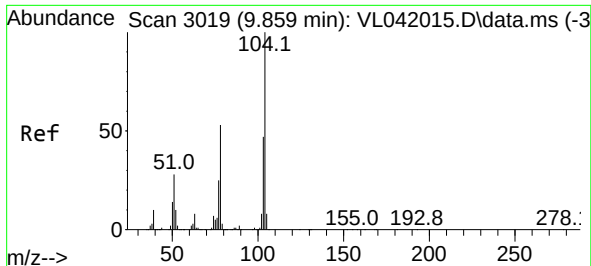
Tgt Ion: 91 Resp: 451249

Ion Ratio Lower Upper

91 100

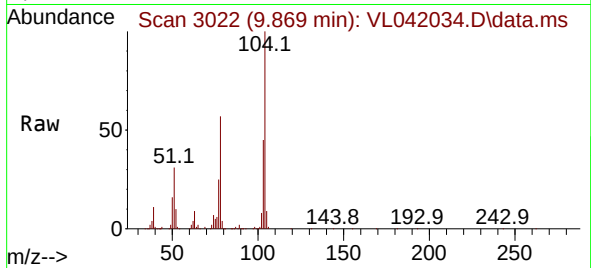
106 42.7 21.4 64.3





#61  
Styrene  
Concen: 11.902 ppbv  
RT: 9.869 min Scan# 3019  
Delta R.T. -0.016 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

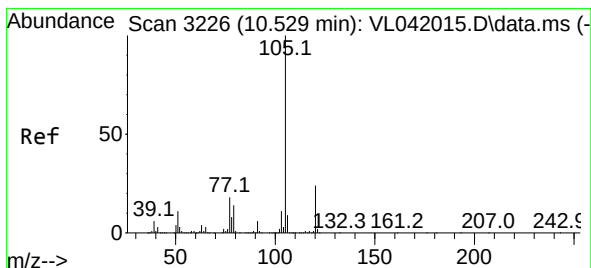
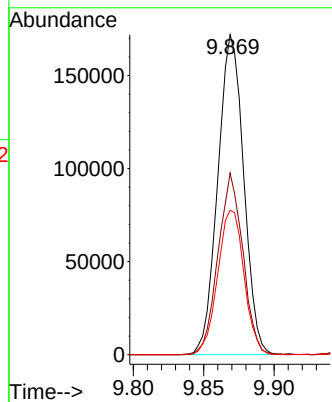
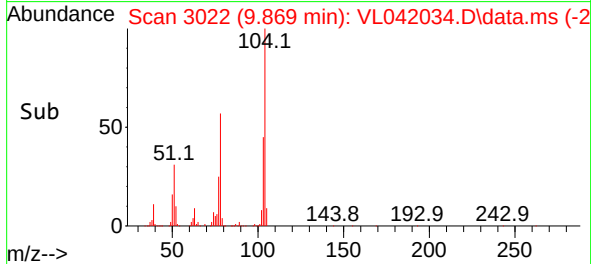
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



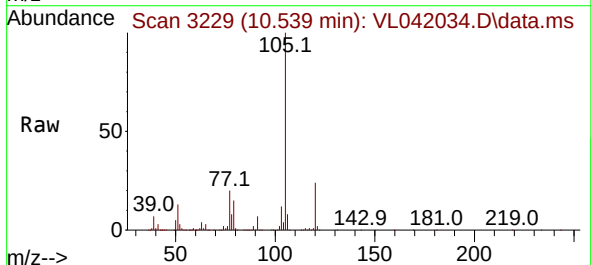
Tgt Ion:104 Resp: 220095  
Ion Ratio Lower Upper  
104 100  
78 54.2 42.2 63.4  
103 46.1 38.1 57.1

Manual Integrations  
APPROVED

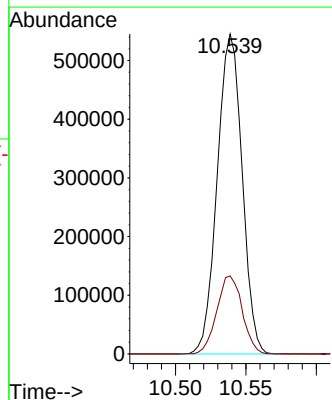
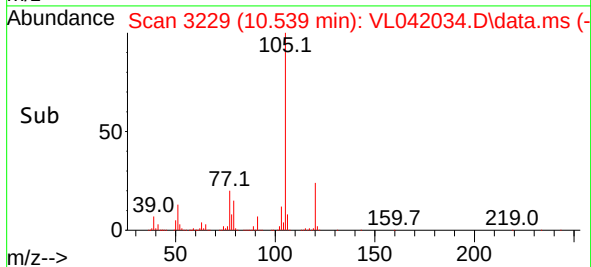
Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025

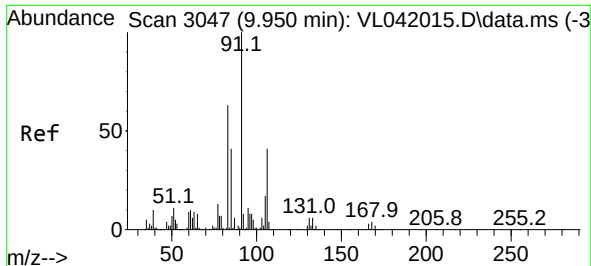


#62  
Isopropylbenzene  
Concen: 11.518 ppbv  
RT: 10.539 min Scan# 3229  
Delta R.T. -0.016 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23



Tgt Ion:105 Resp: 670608  
Ion Ratio Lower Upper  
105 100  
120 24.9 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 11.755 ppbv

RT: 9.963 min Scan# 3047

Delta R.T. -0.016 min

Lab File: VL042034.D

Acq: 21 Feb 2025 10:23

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 29412

Ion Ratio Lower Upper

83 100

131 8.9 5.0 15.0

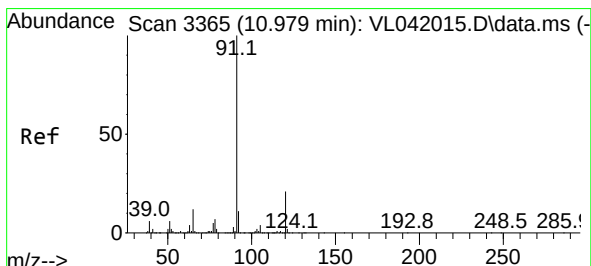
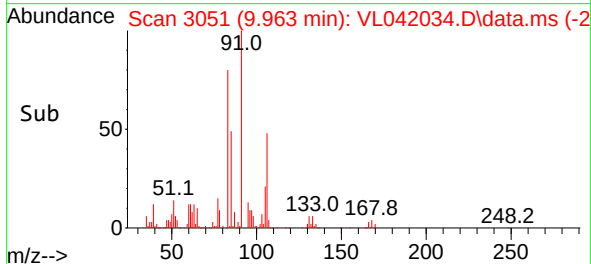
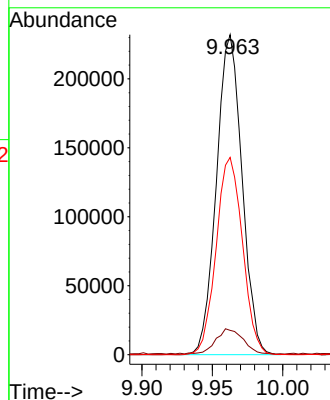
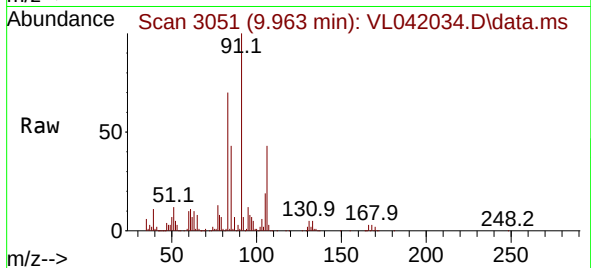
85 63.4 32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025

Supervised By :Mahesh Dadoda 02/24/2025



#64

n-propylbenzene

Concen: 11.479 ppbv

RT: 10.989 min Scan# 3368

Delta R.T. -0.016 min

Lab File: VL042034.D

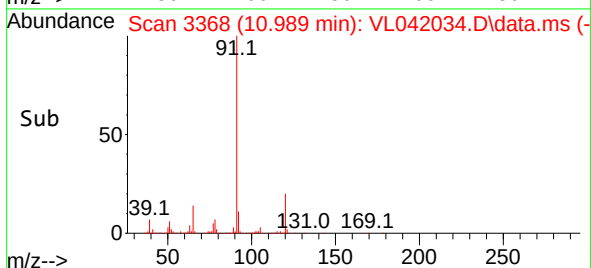
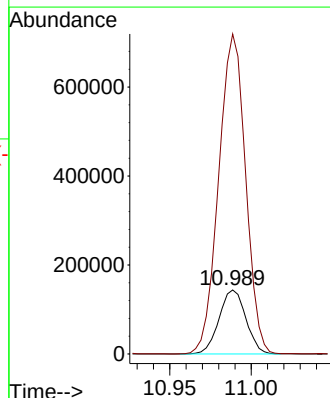
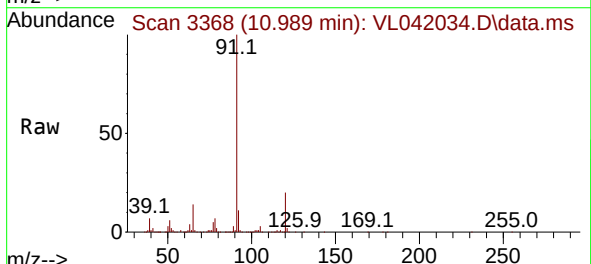
Acq: 21 Feb 2025 10:23

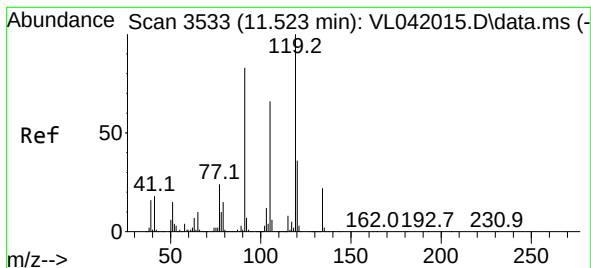
Tgt Ion:120 Resp: 164222

Ion Ratio Lower Upper

120 100

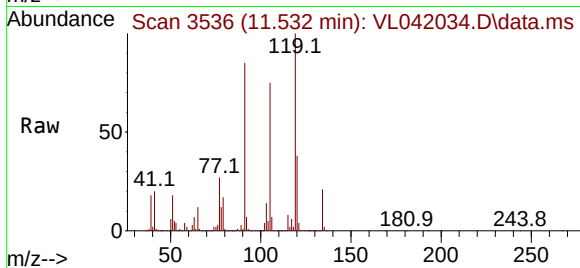
91 503.2 392.2 588.2





#65  
tert-Butylbenzene  
Concen: 11.106 ppbv  
RT: 11.532 min Scan# 3533  
Delta R.T. -0.013 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

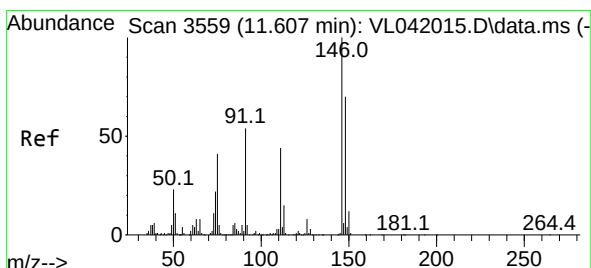
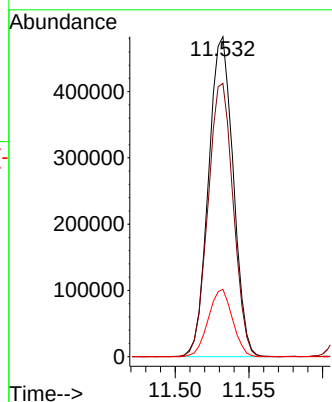
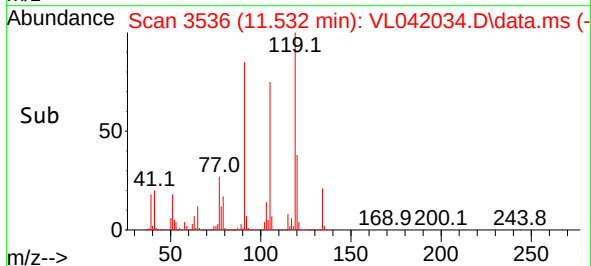
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 119 Resp: 563738  
Ion Ratio Lower Upper  
119 100  
91 87.0 66.5 99.7  
134 20.6 16.6 24.8

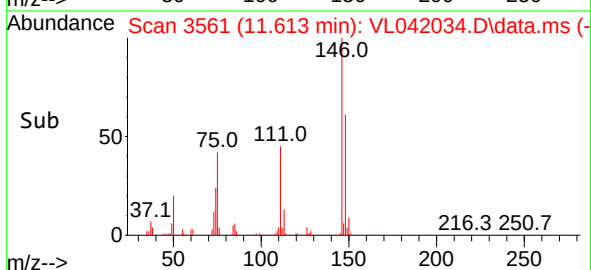
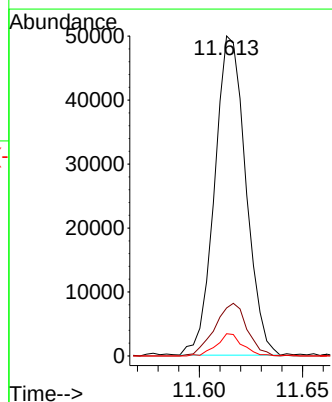
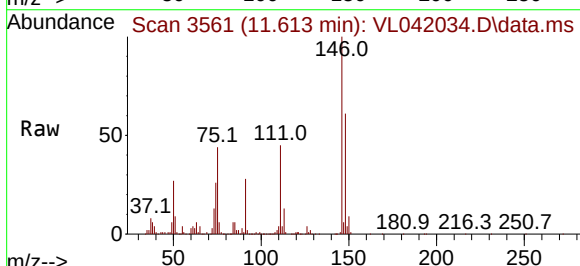
Manual Integrations  
APPROVED

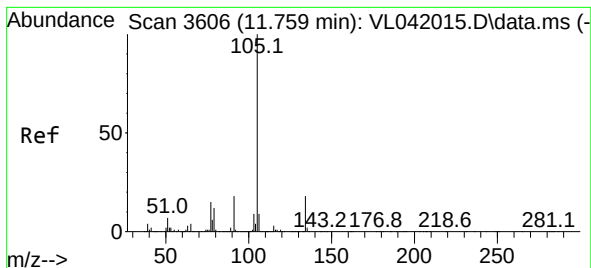
Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025



#66  
Benzyl Chloride  
Concen: 10.295 ppbv  
RT: 11.613 min Scan# 3561  
Delta R.T. -0.016 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

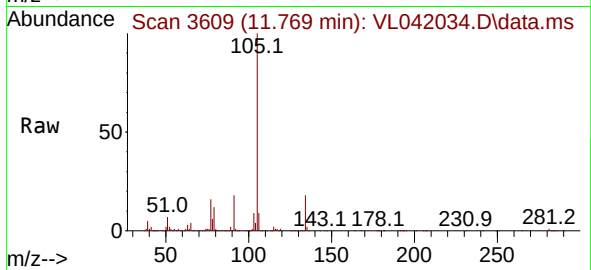
Tgt Ion: 91 Resp: 52378  
Ion Ratio Lower Upper  
91 100  
126 17.0 13.8 20.6  
128 5.9 4.1 6.1





#67  
 sec-Butylbenzene  
 Concen: 11.494 ppbv  
 RT: 11.769 min Scan# 3609  
 Delta R.T. -0.013 min  
 Lab File: VL042034.D  
 Acq: 21 Feb 2025 10:23

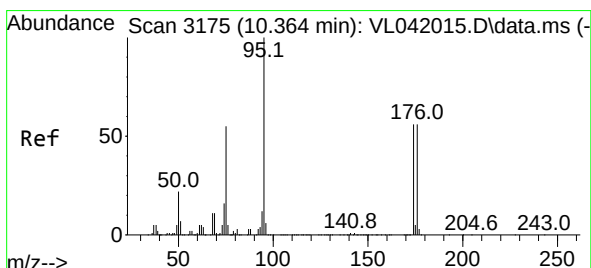
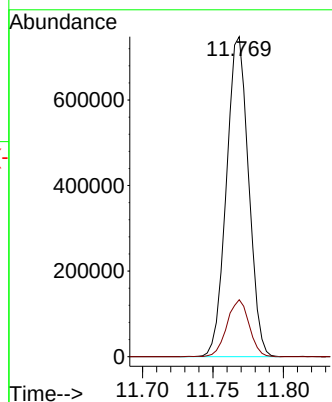
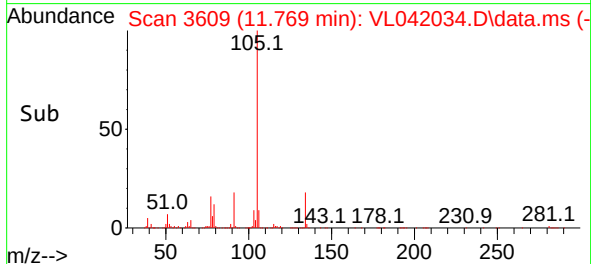
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



Tgt Ion:105 Resp: 819470  
 Ion Ratio Lower Upper  
 105 100  
 134 17.9 14.7 22.1

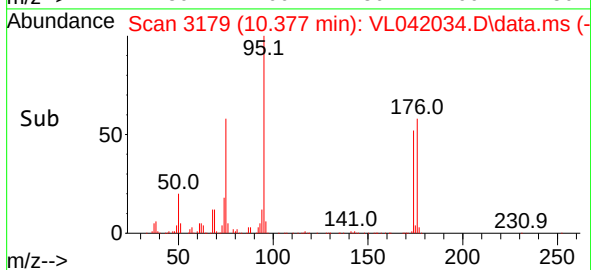
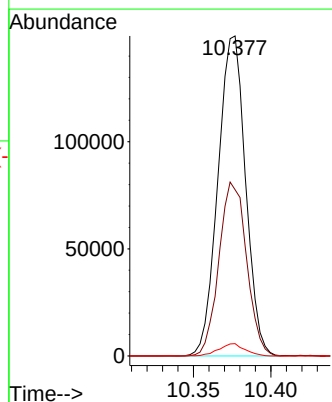
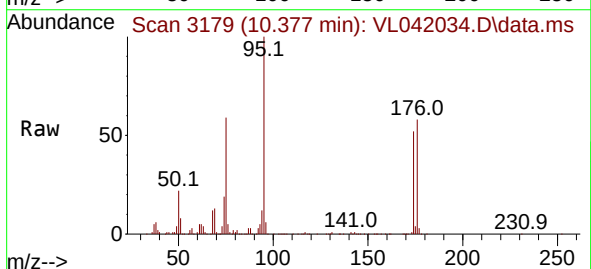
Manual Integrations  
 APPROVED

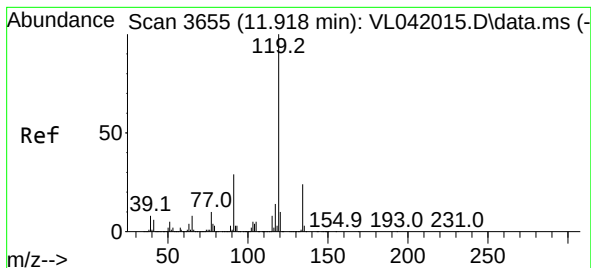
Reviewed By :Semsettin Yesilyurt 02/24/2025  
 Supervised By :Mahesh Dadoda 02/24/2025



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.091 ppbv  
 RT: 10.377 min Scan# 3179  
 Delta R.T. -0.013 min  
 Lab File: VL042034.D  
 Acq: 21 Feb 2025 10:23

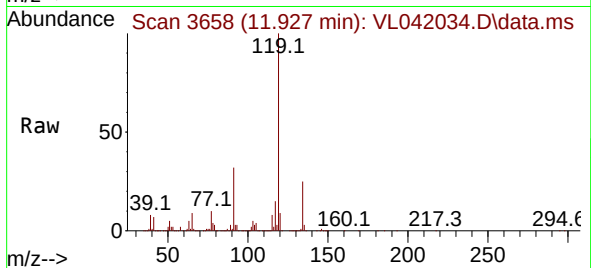
Tgt Ion: 95 Resp: 185152  
 Ion Ratio Lower Upper  
 95 100  
 174 54.4 46.7 70.1  
 175 3.7 3.7 5.5





#69  
p-Isopropyltoluene  
Concen: 10.838 ppbv  
RT: 11.927 min Scan# 3658  
Delta R.T. -0.013 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

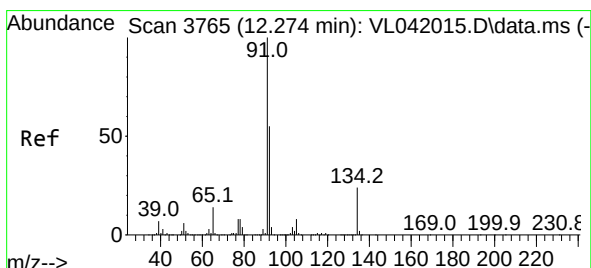
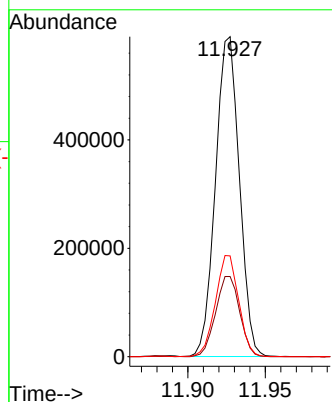
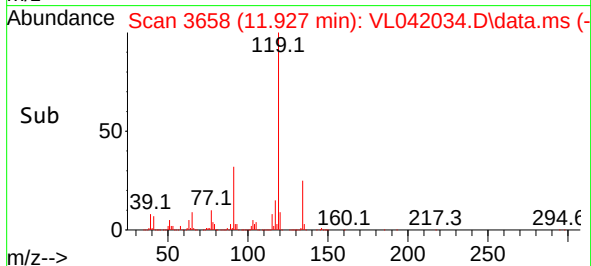
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



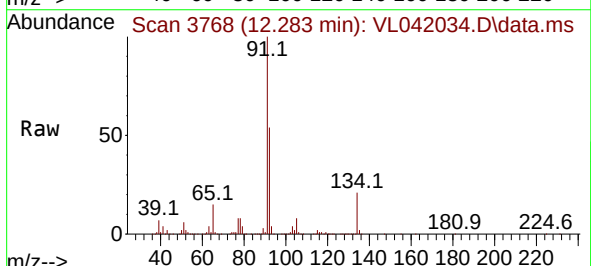
Tgt Ion:119 Resp: 632532  
Ion Ratio Lower Upper  
119 100  
134 25.4 19.4 29.0  
91 31.0 23.4 35.2

Manual Integrations  
APPROVED

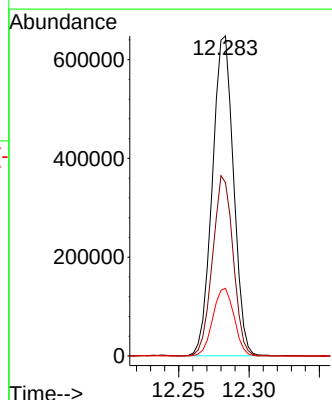
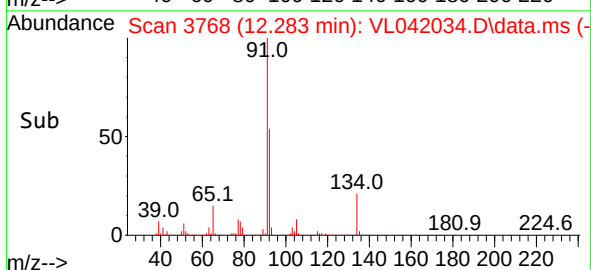
Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025

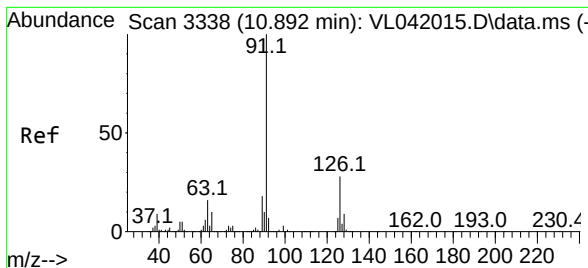


#70  
n-Butylbenzene  
Concen: 11.838 ppbv  
RT: 12.283 min Scan# 3768  
Delta R.T. -0.010 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23



Tgt Ion: 91 Resp: 680533  
Ion Ratio Lower Upper  
91 100  
92 54.9 43.8 65.8  
134 21.2 18.6 27.8





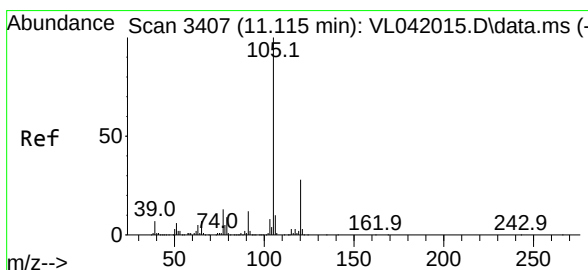
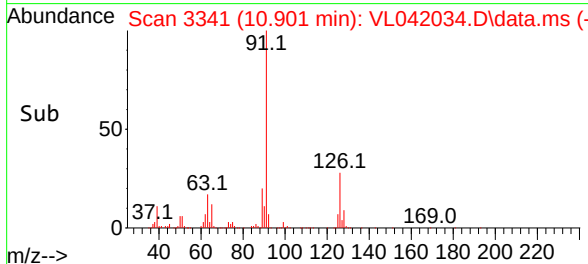
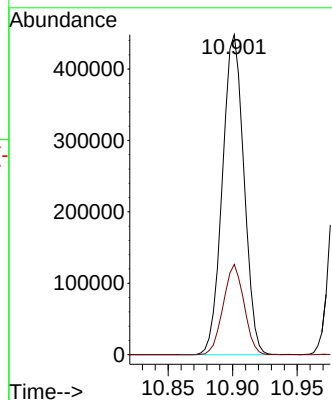
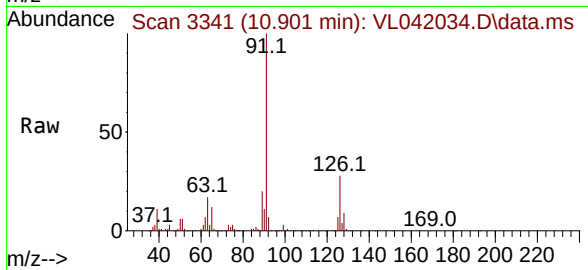
#71  
2-Chlorotoluene  
Concen: 11.839 ppbv  
RT: 10.901 min Scan# 3338  
Delta R.T. -0.013 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 91 Resp: 519110  
Ion Ratio Lower Upper  
91 100  
126 27.2 11.2 45.0

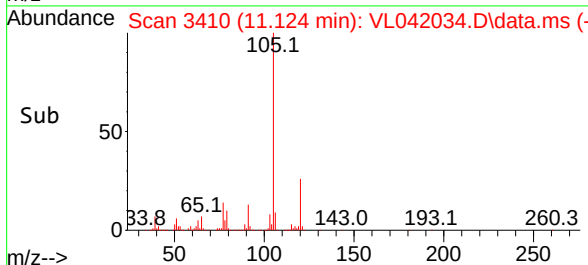
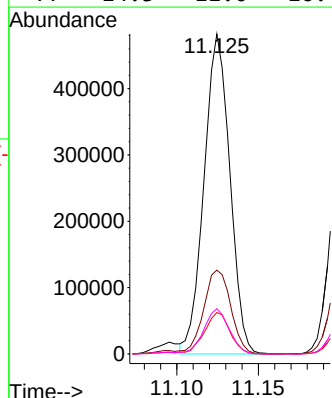
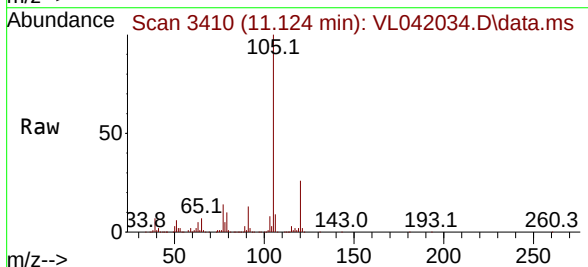
Manual Integrations  
APPROVED

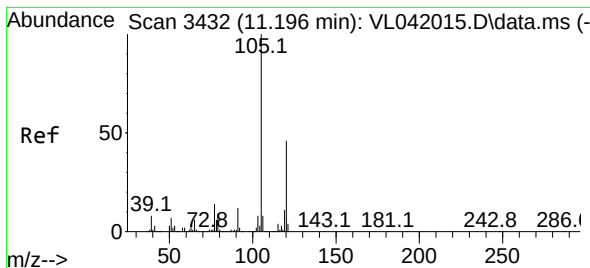
Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025



#72  
4-Ethyltoluene  
Concen: 11.679 ppbv  
RT: 11.124 min Scan# 3410  
Delta R.T. -0.013 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

Tgt Ion:105 Resp: 530659  
Ion Ratio Lower Upper  
105 100  
120 28.4 22.7 34.1  
91 13.4 10.2 15.2  
77 14.3 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 11.442 ppbv

RT: 11.202 min Scan# 3432

Delta R.T. -0.016 min

Lab File: VL042034.D

Acq: 21 Feb 2025 10:23

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 44846

Ion Ratio Lower Upper

105 100

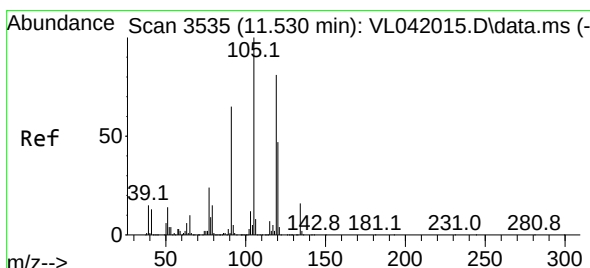
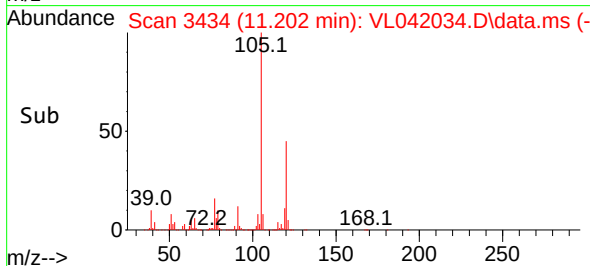
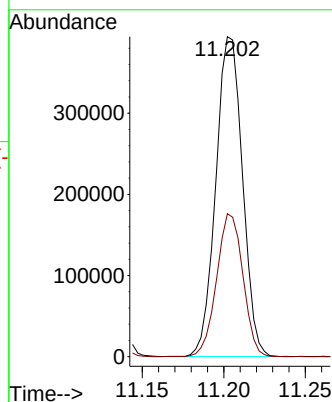
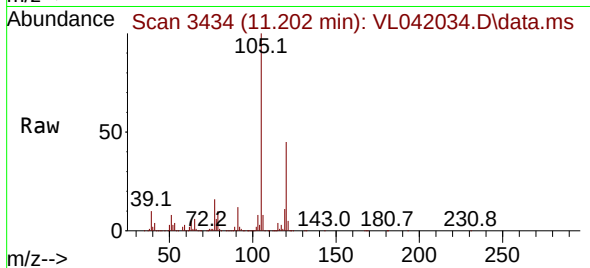
120 44.7 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025

Supervised By :Mahesh Dadoda 02/24/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.196 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.016 min

Lab File: VL042034.D

Acq: 21 Feb 2025 10:23

Tgt Ion:105 Resp: 470940

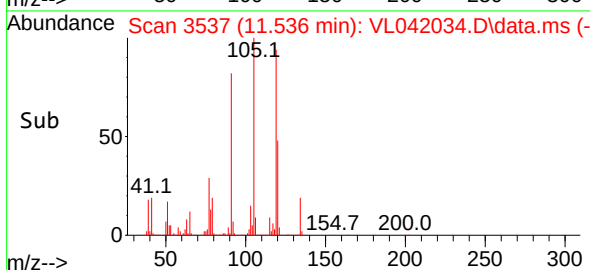
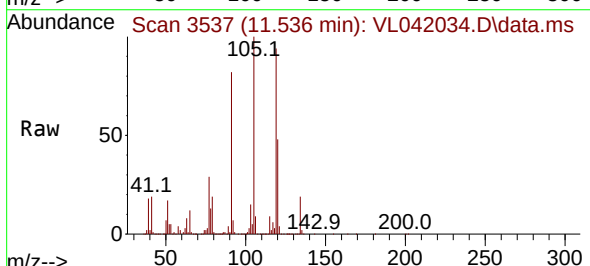
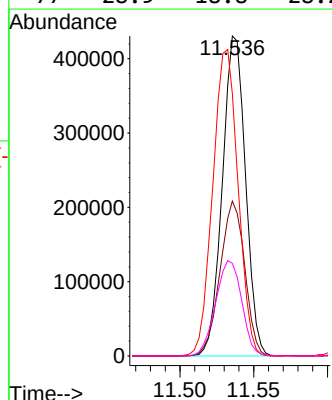
Ion Ratio Lower Upper

105 100

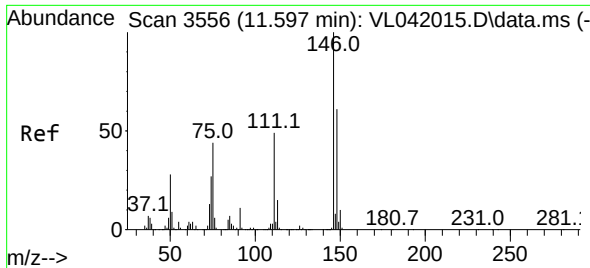
120 48.4 37.5 56.3

91 81.9 51.7 77.5#

77 28.9 18.8 28.2#







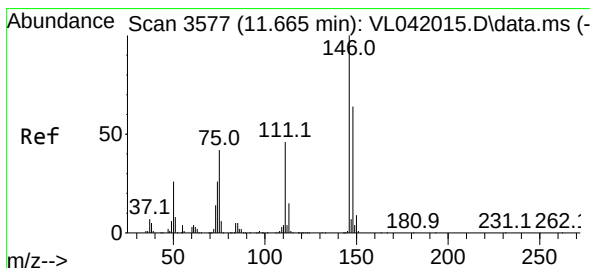
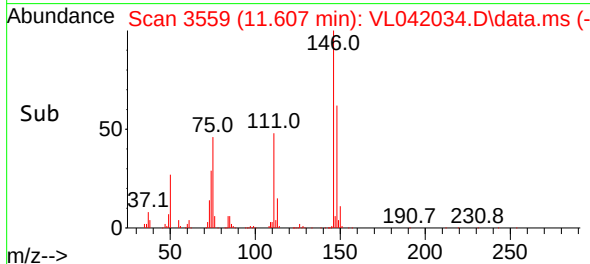
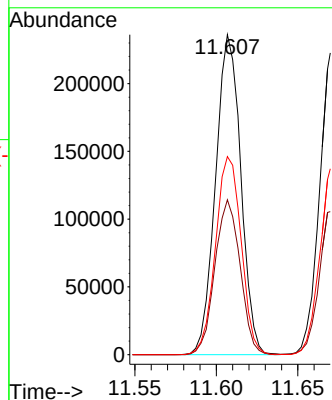
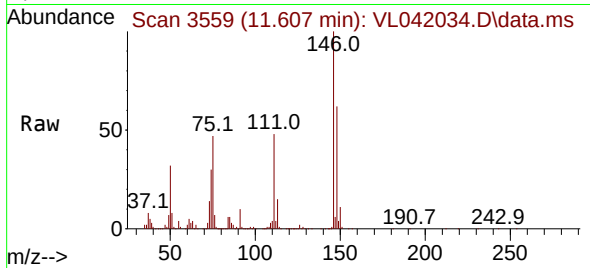
#75  
1,3-Dichlorobenzene  
Concen: 11.222 ppbv  
RT: 11.607 min Scan# 3559  
Delta R.T. -0.016 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion:146 Resp: 254094  
Ion Ratio Lower Upper  
146 100  
111 48.4 23.9 71.7  
148 63.0 31.5 94.5

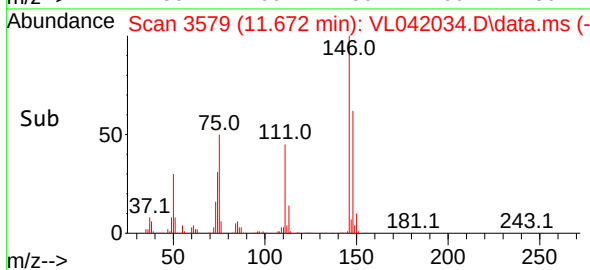
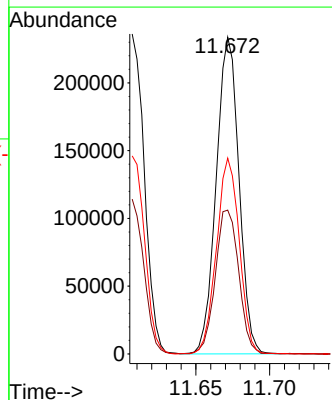
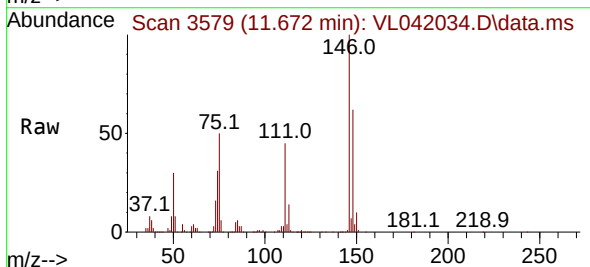
Manual Integrations  
APPROVED

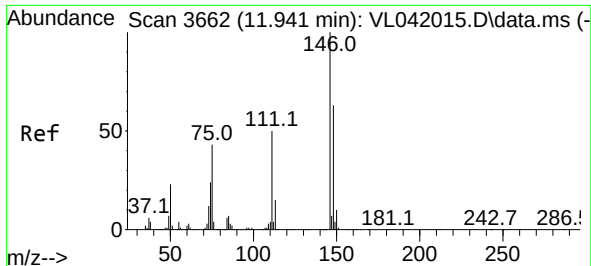
Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025



#76  
1,4-Dichlorobenzene  
Concen: 11.360 ppbv  
RT: 11.672 min Scan# 3579  
Delta R.T. -0.013 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

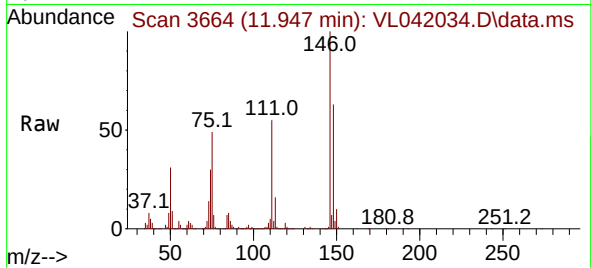
Tgt Ion:146 Resp: 250833  
Ion Ratio Lower Upper  
146 100  
111 46.9 23.5 70.5  
148 62.1 32.3 96.9





#77  
1,2-Dichlorobenzene  
Concen: 11.125 ppbv  
RT: 11.947 min Scan# 3664  
Delta R.T. -0.013 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23

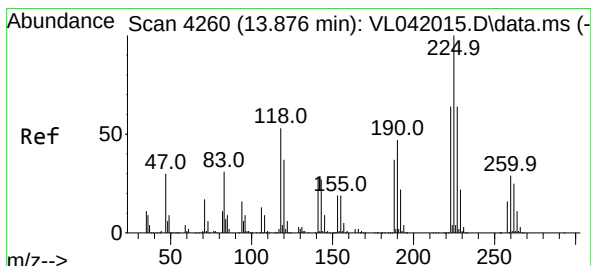
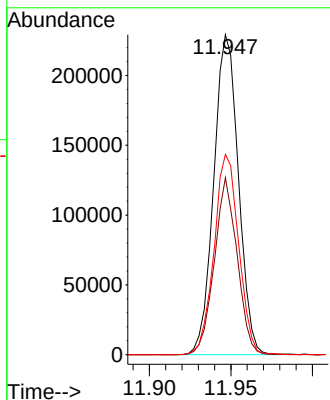
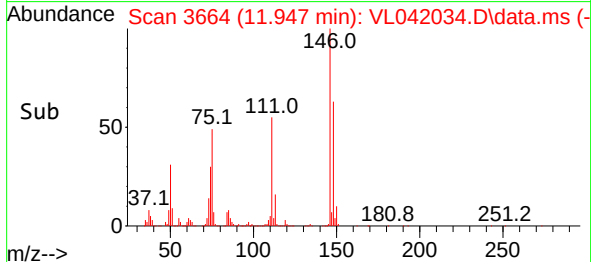
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



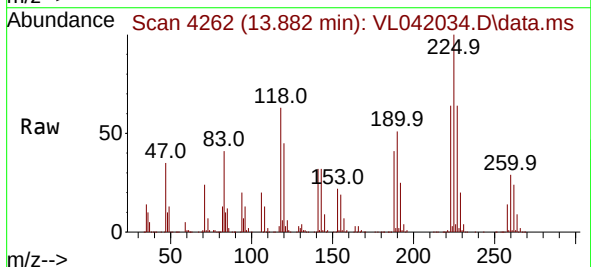
Tgt Ion:146 Resp: 240789  
Ion Ratio Lower Upper  
146 100  
111 51.2 25.6 76.8  
148 62.5 31.9 95.7

Manual Integrations  
APPROVED

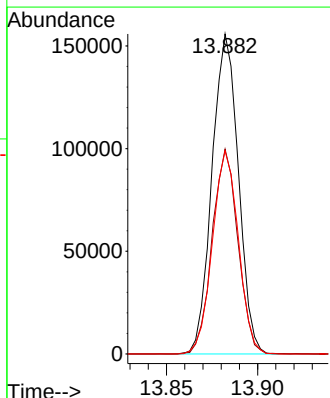
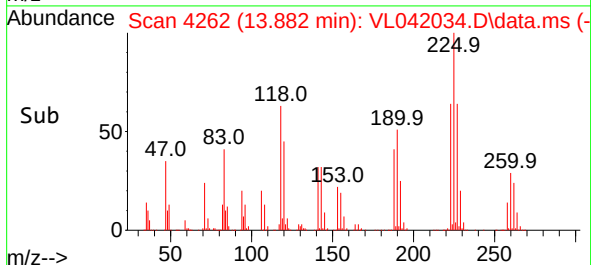
Reviewed By :Semsettin Yesilyurt 02/24/2025  
Supervised By :Mahesh Dadoda 02/24/2025

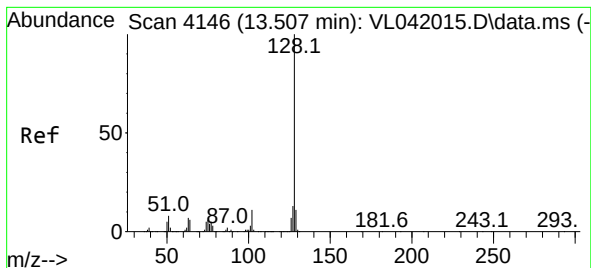


#78  
Hexachloro-1,3-Butadiene  
Concen: 8.734 ppbv  
RT: 13.882 min Scan# 4262  
Delta R.T. -0.013 min  
Lab File: VL042034.D  
Acq: 21 Feb 2025 10:23



Tgt Ion:225 Resp: 156406  
Ion Ratio Lower Upper  
225 100  
223 62.5 50.6 75.8  
227 62.5 50.9 76.3





#79

Naphthalene

Concen: 9.158 ppbv

RT: 13.513 min Scan# 4146

Delta R.T. -0.013 min

Lab File: VL042034.D

Acq: 21 Feb 2025 10:23

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion:128 Resp: 37891

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

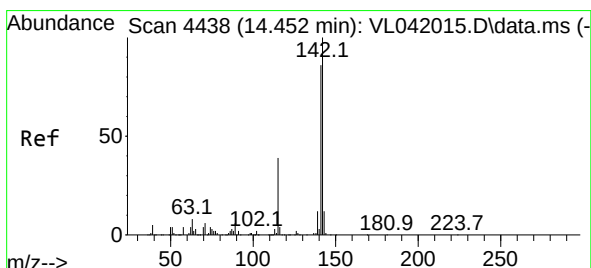
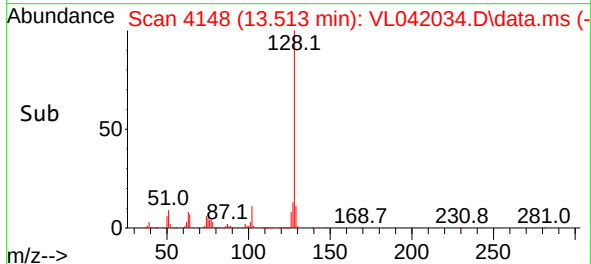
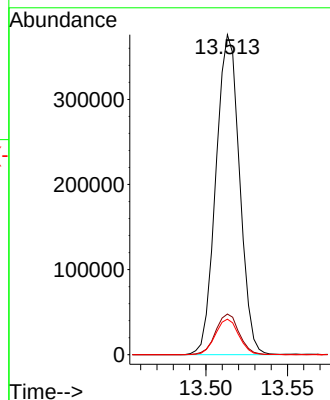
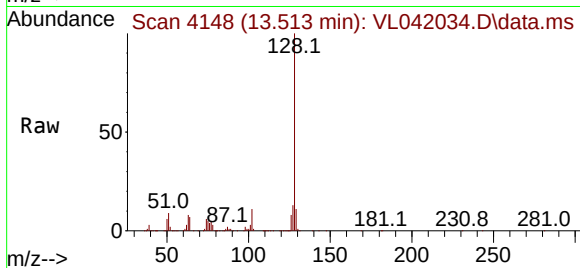
129 11.1 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025

Supervised By :Mahesh Dadoda 02/24/2025



#80

Naphthalene,2-methyl-

Concen: 6.650 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. -0.013 min

Lab File: VL042034.D

Acq: 21 Feb 2025 10:23

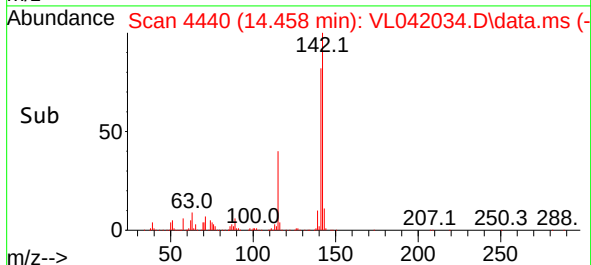
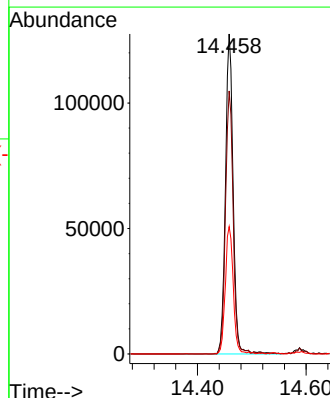
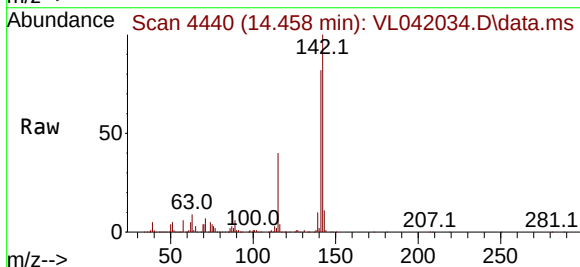
Tgt Ion:142 Resp: 124567

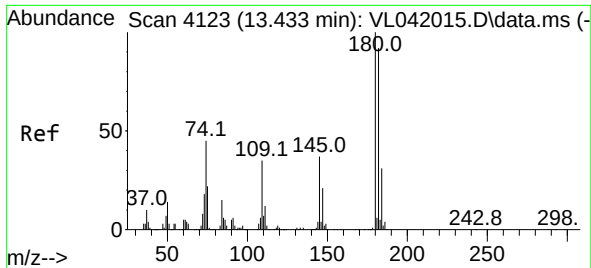
Ion Ratio Lower Upper

142 100

141 83.1 68.2 102.2

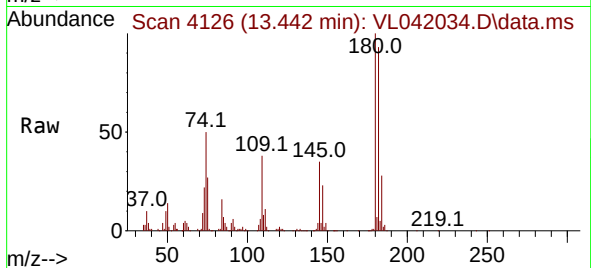
115 41.6 33.6 50.4





#81  
 1,2,4-Trichlorobenzene  
 Concen: 9.514 ppbv  
 RT: 13.442 min Scan# 4126  
 Delta R.T. -0.013 min  
 Lab File: VL042034.D  
 Acq: 21 Feb 2025 10:23

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



Tgt Ion:180 Resp: 160029  
 Ion Ratio Lower Upper  
 180 100  
 182 95.1 75.8 113.6  
 184 29.7 24.2 36.4

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2025  
 Supervised By :Mahesh Dadoda 02/24/2025

