

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL010925\  
 Data File : VL041860.D  
 Acq On : 09 Jan 2025 11:52  
 Operator : SY/MD  
 Sample : VSTDICC002  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC002

Manual Integrations  
 APPROVED

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

Quant Time: Jan 09 12:25:14 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL010925AIR.M

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

QLast Update : Wed Jan 08 03:26:12 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.803 | 49   | 145561   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.981 | 114  | 440592   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.904 | 117  | 401428   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.396 95 324737 9.445 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.500%

Target Compounds

|                               |       |     |        |       |        | Qvalue |
|-------------------------------|-------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.505 | 85  | 47849  | 2.003 | ppbv   | 98     |
| 3) Chlorodifluoromethane      | 1.483 | 51  | 54584  | 2.392 | ppbv   | 98     |
| 4) Chloromethane              | 1.541 | 50  | 19879  | 2.024 | ppbv   | 92     |
| 5) Vinyl Chloride             | 1.589 | 62  | 18283  | 1.846 | ppbv   | 96     |
| 6) Bromomethane               | 1.677 | 94  | 9801   | 2.310 | ppbv   | 94     |
| 7) Chloroethane               | 1.712 | 64  | 7947   | 2.084 | ppbv   | 98     |
| 8) Dichlorotetrafluoroethane  | 1.560 | 85  | 44848  | 2.176 | ppbv   | 100    |
| 9) Propene                    | 1.489 | 41  | 24915  | 3.136 | ppbv   | 100    |
| 10) Heptane                   | 5.011 | 43  | 66122  | 3.369 | ppbv   | 93     |
| 11) Trichlorofluoromethane    | 1.887 | 101 | 52216  | 2.150 | ppbv   | 100    |
| 12) 1,1,2-Trichlorotrifluo... | 2.153 | 101 | 41991  | 2.322 | ppbv   | 94     |
| 13) Ethanol                   | 1.729 | 45  | 1802m  | 1.994 | ppbv   |        |
| 14) Bromoethene               | 1.790 | 108 | 15205  | 2.568 | ppbv   | 97     |
| 15) Acetone                   | 1.845 | 43  | 52918  | 1.975 | ppbv   | 90     |
| 16) 1,3-Butadiene             | 1.615 | 39  | 20658  | 1.966 | ppbv   | 88     |
| 17) tert-Butyl alcohol        | 2.052 | 59  | 58092  | 2.502 | ppbv # | 94     |
| 18) 1,1-Dichloroethene        | 2.046 | 96  | 18153  | 2.397 | ppbv   | 84     |
| 19) Isopropyl Alcohol         | 1.897 | 45  | 26028  | 2.069 | ppbv # | 96     |
| 20) Methylene Chloride        | 2.072 | 84  | 17135  | 2.237 | ppbv   | 83     |
| 21) Allyl Chloride            | 2.107 | 41  | 32414  | 2.348 | ppbv   | 91     |
| 22) trans-1,2-Dichloroethene  | 2.353 | 96  | 21862  | 2.583 | ppbv   | 94     |
| 23) Vinyl Acetate             | 2.476 | 43  | 30926  | 3.598 | ppbv # | 95     |
| 24) 1,1-Dichloroethane        | 2.424 | 63  | 40950  | 2.211 | ppbv   | 99     |
| 25) Ethyl Acetate             | 2.855 | 43  | 126167 | 2.807 | ppbv # | 96     |
| 26) Hexane                    | 2.842 | 57  | 52287  | 3.352 | ppbv   | 87     |
| 27) Carbon Disulfide          | 2.162 | 76  | 50347  | 3.401 | ppbv   | 95     |
| 28) Methyl tert-Butyl Ether   | 2.457 | 73  | 43777  | 3.724 | ppbv   | 99     |
| 29) Chloroform                | 2.865 | 83  | 74846  | 2.583 | ppbv   | 97     |
| 30) Cyclohexane               | 3.878 | 84  | 46542  | 3.933 | ppbv # | 85     |
| 31) cis-1,2-Dichloroethene    | 2.738 | 61  | 50096  | 3.120 | ppbv   | 98     |
| 32) 1,1,1-Trichloroethane     | 3.389 | 97  | 72210  | 2.750 | ppbv   | 93     |
| 34) 2-Butanone                | 2.573 | 43  | 78681  | 2.267 | ppbv   | 98     |
| 35) Carbon Tetrachloride      | 3.790 | 117 | 69223  | 2.079 | ppbv   | 90     |
| 36) Benzene                   | 3.680 | 78  | 106654 | 2.534 | ppbv   | 96     |
| 37) 1,2-Dichloroethane        | 3.240 | 62  | 54776  | 1.980 | ppbv # | 95     |
| 38) Trichloroethene           | 4.574 | 130 | 41427  | 2.511 | ppbv   | 92     |
| 39) 1,2-Dichloropropane       | 4.347 | 63  | 37604m | 2.310 | ppbv   |        |
| 40) 1,4-Dioxane               | 4.629 | 88  | 18864  | 2.990 | ppbv # | 50     |
| 41) Tetrahydrofuran           | 3.078 | 42  | 44570  | 2.724 | ppbv   | 90     |
| 42) Bromodichloromethane      | 4.515 | 83  | 75424  | 2.324 | ppbv   | 99     |
| 43) Methyl Methacrylate       | 4.920 | 69  | 42157m | 3.190 | ppbv   |        |
| 44) 2,2,4-Trimethylpentane    | 4.674 | 57  | 180117 | 2.597 | ppbv   | 92     |
| 45) t-1,3-Dichloropropene     | 6.454 | 75  | 43372  | 3.361 | ppbv   | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL010925\  
 Data File : VL041860.D  
 Acq On : 09 Jan 2025 11:52  
 Operator : SY/MD  
 Sample : VSTDICC002  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC002

Manual Integrations  
 APPROVED

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

Quant Time: Jan 09 12:25:14 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL010925AIR.M

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

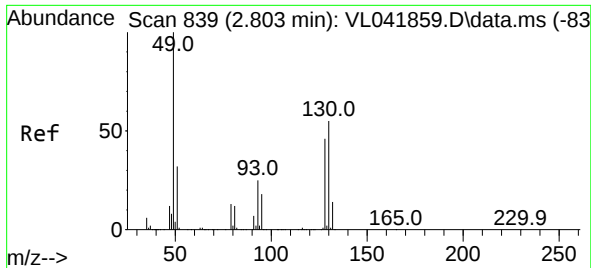
QLast Update : Wed Jan 08 03:26:12 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.635  | 75   | 55051    | 3.243 | ppbv   | 95       |
| 47) 1,1,2-Trichloroethane     | 6.622  | 97   | 39391m   | 2.287 | ppbv   |          |
| 48) Dibromochloromethane      | 7.419  | 129  | 61313    | 2.797 | ppbv   | 100      |
| 49) Bromoform                 | 9.506  | 173  | 53734    | 3.059 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.797  | 43   | 108191   | 2.698 | ppbv   | 91       |
| 51) 2-Hexanone                | 7.470  | 43   | 90844    | 2.991 | ppbv # | 86       |
| 52) Tetrachloroethene         | 8.250  | 164  | 37701    | 3.020 | ppbv   | 92       |
| 53) Toluene                   | 6.969  | 91   | 125295   | 3.341 | ppbv   | 98       |
| 54) 1,2-Dibromoethane         | 7.681  | 107  | 54562    | 2.587 | ppbv   | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 8.946  | 131  | 51252    | 2.240 | ppbv   | 98       |
| 57) Chlorobenzene             | 8.946  | 112  | 94006    | 2.242 | ppbv   | 97       |
| 58) Ethyl Benzene             | 9.377  | 91   | 177814   | 3.250 | ppbv   | 99       |
| 59) m/p-Xylene                | 9.571  | 91   | 278550m  | 5.768 | ppbv   |          |
| 60) o-Xylene                  | 9.985  | 91   | 138722   | 2.953 | ppbv   | 99       |
| 61) Styrene                   | 9.891  | 104  | 68864    | 3.779 | ppbv   | 97       |
| 62) Isopropylbenzene          | 10.558 | 105  | 212705   | 2.882 | ppbv   | 98       |
| 63) 1,1,2,2-Tetrachloroethane | 9.985  | 83   | 82870    | 2.012 | ppbv   | 99       |
| 64) n-propylbenzene           | 11.008 | 120  | 54888    | 2.899 | ppbv   | 100      |
| 65) tert-Butylbenzene         | 11.549 | 119  | 196649   | 2.957 | ppbv   | 95       |
| 66) Benzyl Chloride           | 11.636 | 91   | 20300    | 3.652 | ppbv   | 95       |
| 67) sec-Butylbenzene          | 11.785 | 105  | 270495   | 2.787 | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 11.943 | 119  | 229731   | 3.015 | ppbv   | 97       |
| 70) n-Butylbenzene            | 12.299 | 91   | 230497   | 3.011 | ppbv   | 98       |
| 71) 2-Chlorotoluene           | 10.921 | 91   | 161864   | 3.021 | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 11.144 | 105  | 175142   | 3.083 | ppbv   | 98       |
| 73) 1,3,5-Trimethylbenzene    | 11.222 | 105  | 146927   | 2.953 | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 11.555 | 105  | 163980   | 2.845 | ppbv   | 98       |
| 75) 1,3-Dichlorobenzene       | 11.626 | 146  | 95654    | 2.480 | ppbv   | 98       |
| 76) 1,4-Dichlorobenzene       | 11.691 | 146  | 95164    | 2.564 | ppbv   | 97       |
| 77) 1,2-Dichlorobenzene       | 11.966 | 146  | 90047    | 2.240 | ppbv   | 98       |
| 78) Hexachloro-1,3-Butadiene  | 13.898 | 225  | 81017    | 2.839 | ppbv   | 98       |
| 79) Naphthalene               | 13.529 | 128  | 181703   | 4.280 | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 14.474 | 142  | 107237   | 6.825 | ppbv   | 98       |
| 81) 1,2,4-Trichlorobenzene    | 13.458 | 180  | 86805    | 3.689 | ppbv   | 99       |

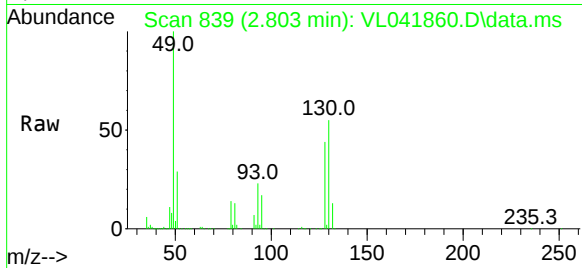
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.803 min Scan# 839  
Delta R.T. 0.003 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

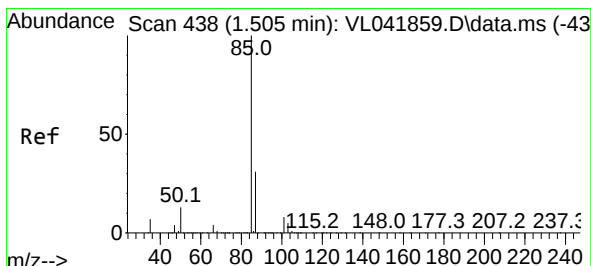
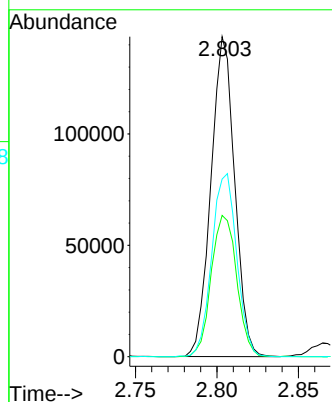
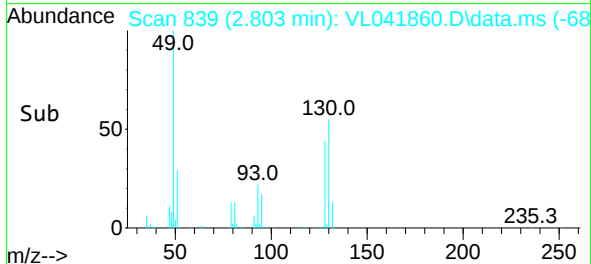
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



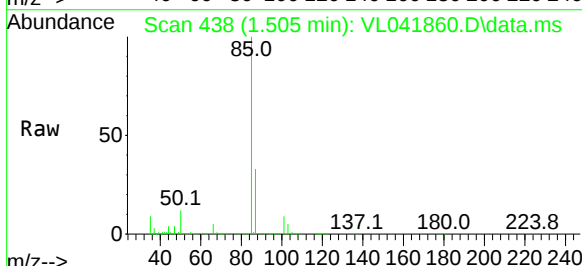
Tgt Ion: 49 Resp: 14556  
Ion Ratio Lower Upper  
49 100  
128 47.5 19.7 59.1  
130 60.1 26.4 79.2

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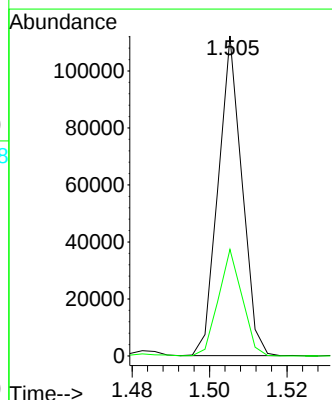
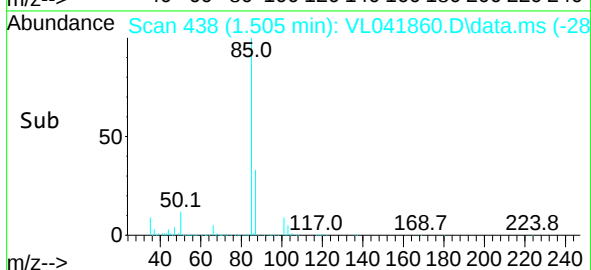
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025

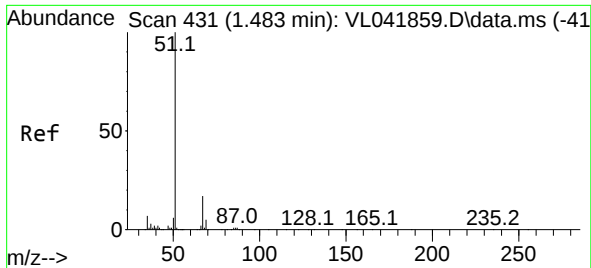


#2  
Dichlorodifluoromethane  
Concen: 2.003 ppbv  
RT: 1.505 min Scan# 438  
Delta R.T. 0.003 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52



Tgt Ion: 85 Resp: 47849  
Ion Ratio Lower Upper  
85 100  
87 33.4 25.6 38.4





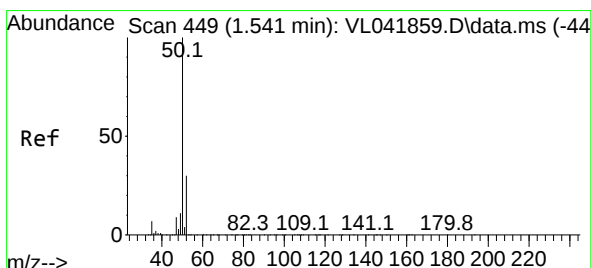
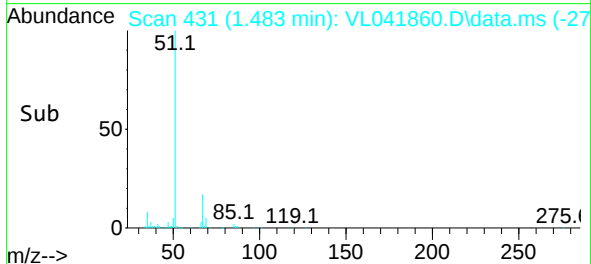
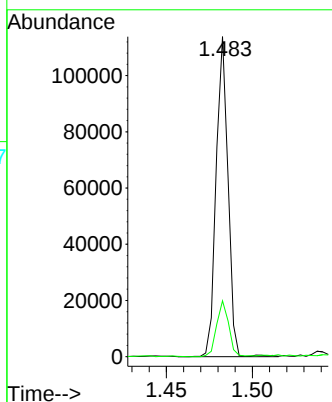
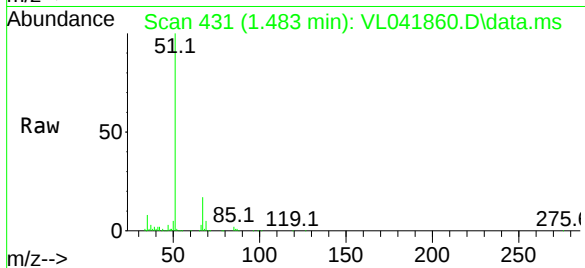
#3  
Chlorodifluoromethane  
Concen: 2.392 ppbv  
RT: 1.483 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

Tgt Ion: 51 Resp: 54584  
Ion Ratio Lower Upper  
51 100  
67 17.6 14.6 22.0

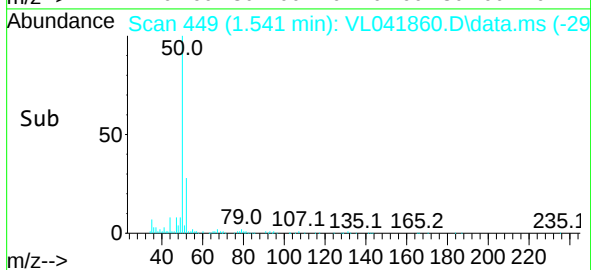
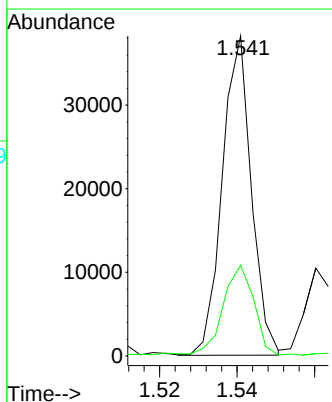
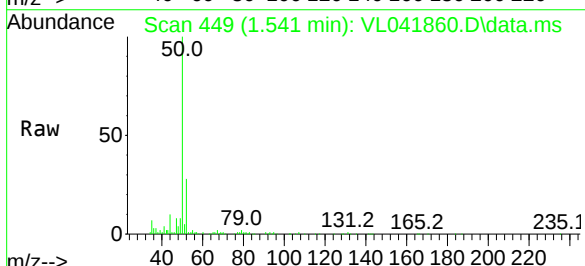
Manual Integrations  
APPROVED

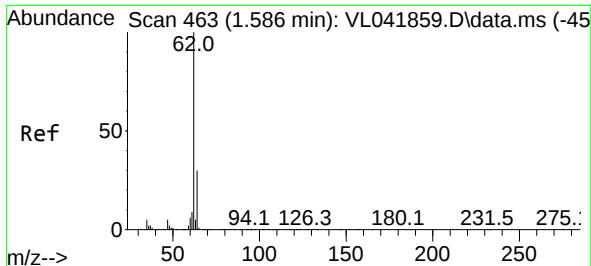
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025



#4  
Chloromethane  
Concen: 2.024 ppbv  
RT: 1.541 min Scan# 449  
Delta R.T. 0.003 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

Tgt Ion: 50 Resp: 19879  
Ion Ratio Lower Upper  
50 100  
52 28.1 26.1 39.1





#5  
 Vinyl Chloride  
 Concen: 1.846 ppbv  
 RT: 1.589 min Scan# 464  
 Delta R.T. 0.003 min  
 Lab File: VL041860.D  
 Acq: 09 Jan 2025 11:52

Instrument :

MSVOA\_L

ClientSampleId :

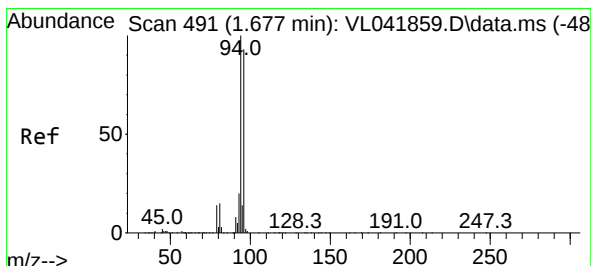
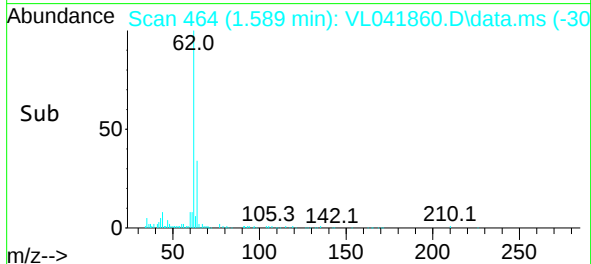
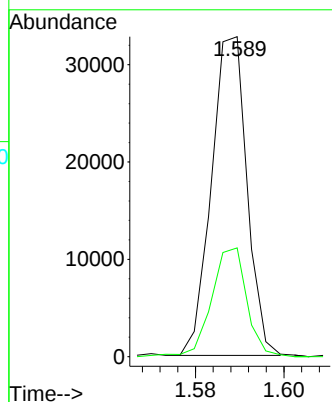
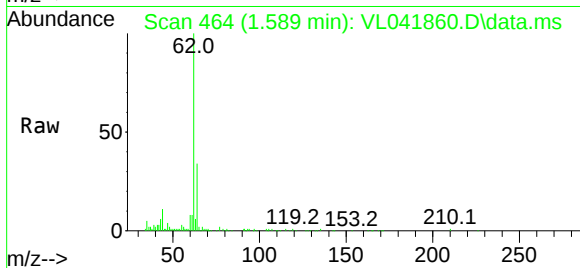
VSTDICC002

Tgt Ion: 62 Resp: 1828  
 Ion Ratio Lower Upper  
 62 100  
 64 33.5 24.9 37.3

Manual Integrations

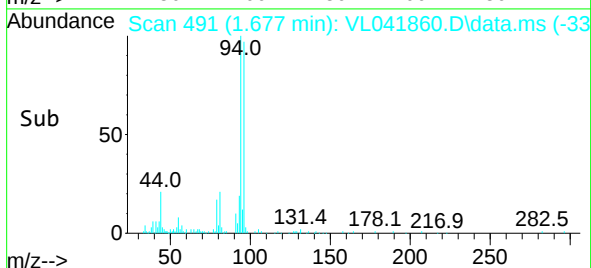
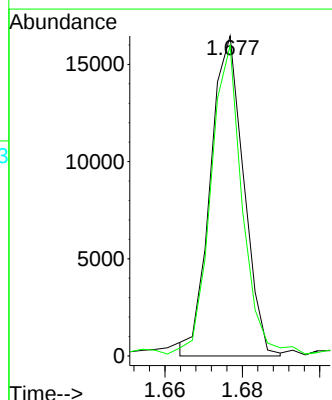
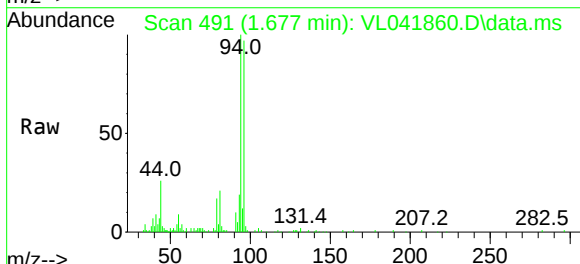
APPROVED

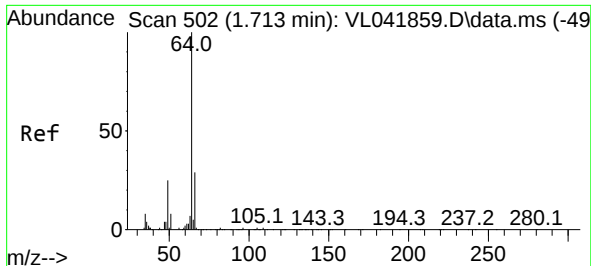
Reviewed By :Mahesh Dadoda 01/10/2025  
 Supervised By :Semsettin Yesilyurt 01/10/2025



#6  
 Bromomethane  
 Concen: 2.310 ppbv  
 RT: 1.677 min Scan# 491  
 Delta R.T. 0.003 min  
 Lab File: VL041860.D  
 Acq: 09 Jan 2025 11:52

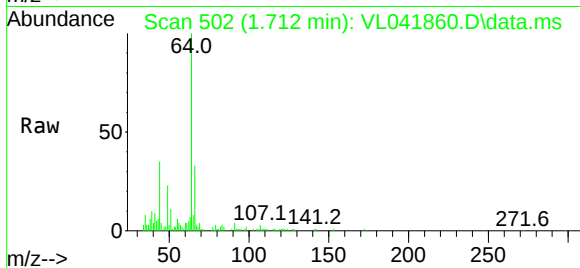
Tgt Ion: 94 Resp: 9801  
 Ion Ratio Lower Upper  
 94 100  
 96 95.3 72.0 108.0





#7  
Chloroethane  
Concen: 2.084 ppbv  
RT: 1.712 min Scan# 502  
Delta R.T. 0.003 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

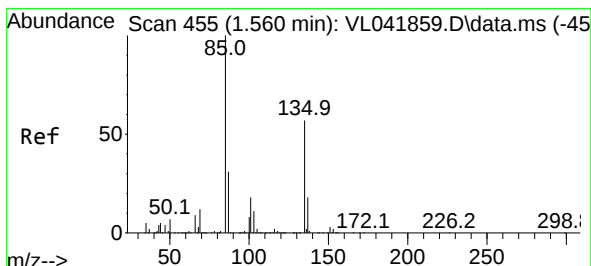
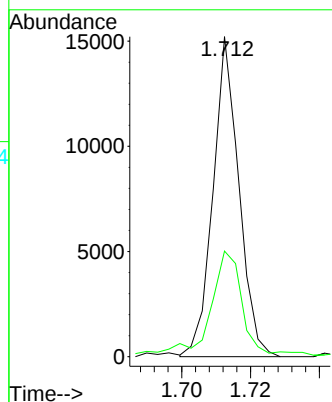
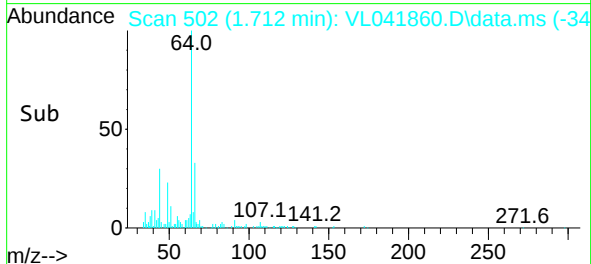
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002



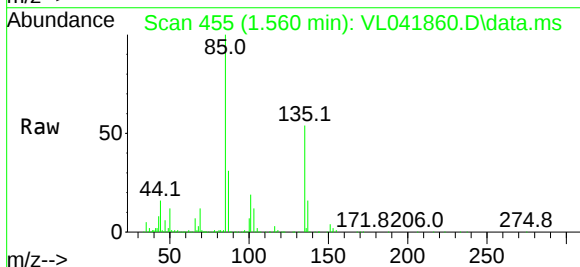
Tgt Ion: 64 Resp: 794  
Ion Ratio Lower Upper  
64 100  
66 33.0 25.6 38.4

Manual Integrations  
APPROVED

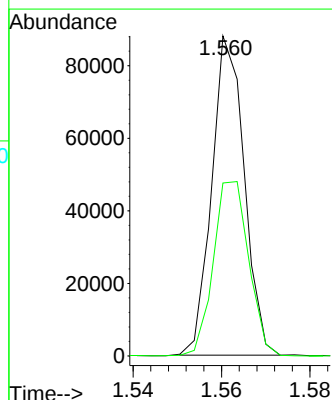
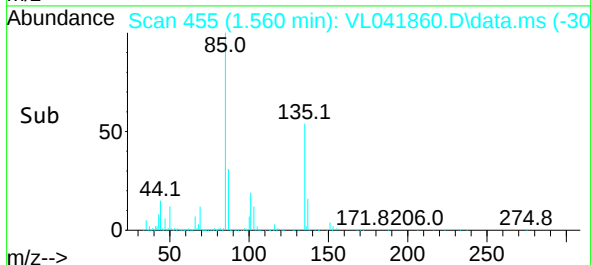
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025

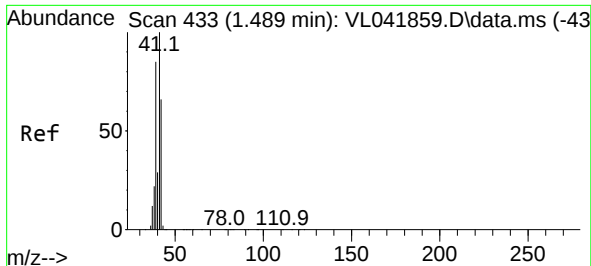


#8  
Dichlorotetrafluoroethane  
Concen: 2.176 ppbv  
RT: 1.560 min Scan# 455  
Delta R.T. 0.003 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52



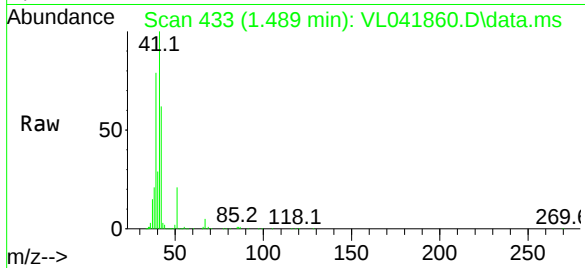
Tgt Ion: 85 Resp: 44848  
Ion Ratio Lower Upper  
85 100  
135 60.1 47.9 71.9





#9  
 Propene  
 Concen: 3.136 ppbv  
 RT: 1.489 min Scan# 41  
 Delta R.T. -0.000 min  
 Lab File: VL041860.D  
 Acq: 09 Jan 2025 11:52

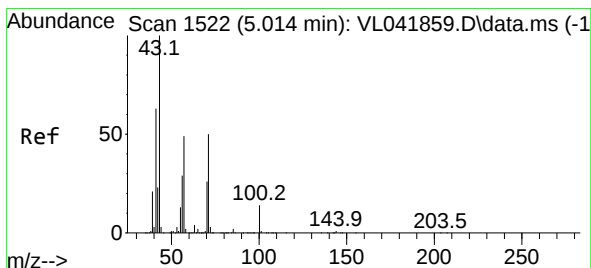
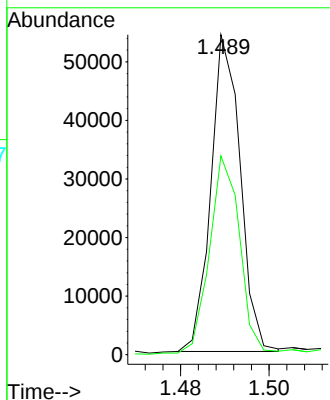
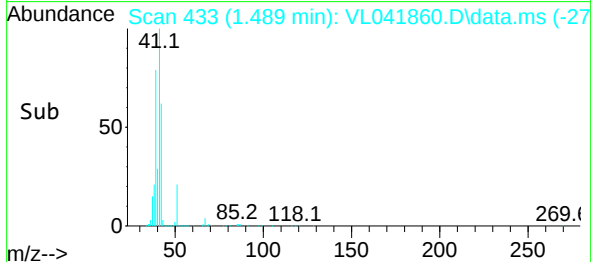
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC002



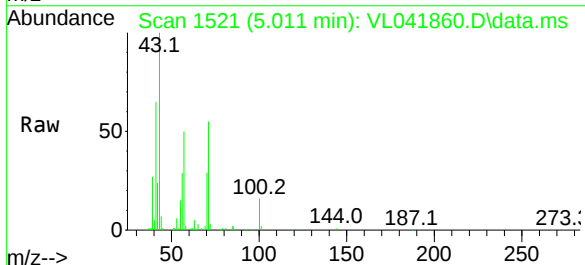
Tgt Ion: 41 Resp: 2491  
 Ion Ratio Lower Upper  
 41 100  
 42 68.1 54.4 81.6

Manual Integrations  
 APPROVED

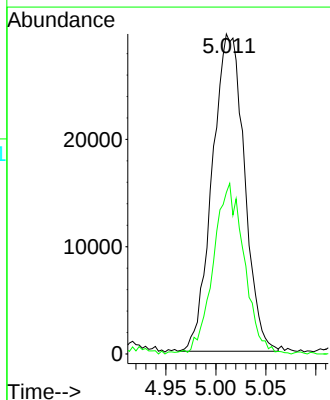
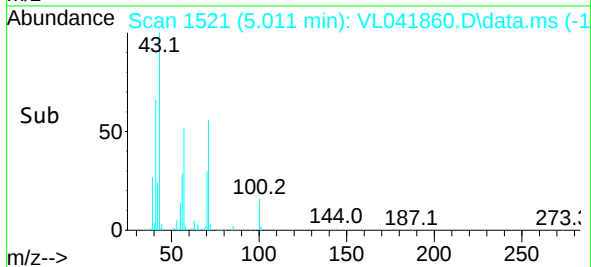
Reviewed By :Mahesh Dadoda 01/10/2025  
 Supervised By :Semsettin Yesilyurt 01/10/2025

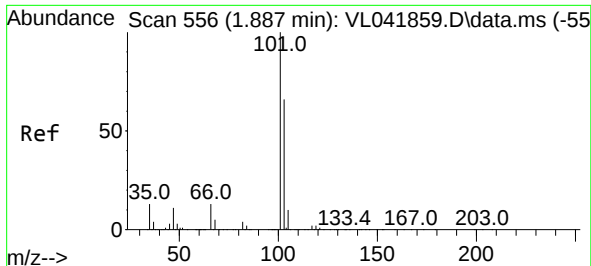


#10  
 Heptane  
 Concen: 3.369 ppbv  
 RT: 5.011 min Scan# 1521  
 Delta R.T. 0.006 min  
 Lab File: VL041860.D  
 Acq: 09 Jan 2025 11:52



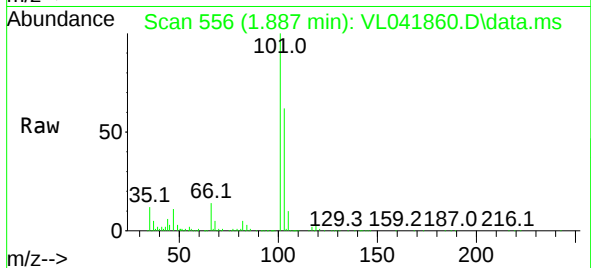
Tgt Ion: 43 Resp: 66122  
 Ion Ratio Lower Upper  
 43 100  
 57 52.0 37.8 56.6





#11  
 Trichlorofluoromethane  
 Concen: 2.150 ppbv  
 RT: 1.887 min Scan# 556  
 Delta R.T. 0.003 min  
 Lab File: VL041860.D  
 Acq: 09 Jan 2025 11:52

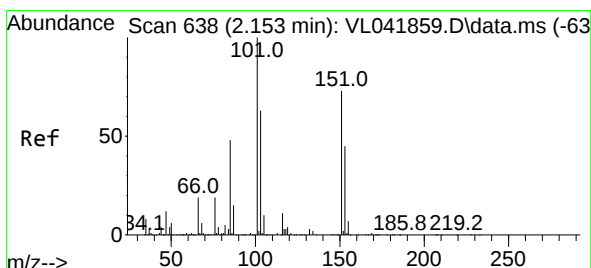
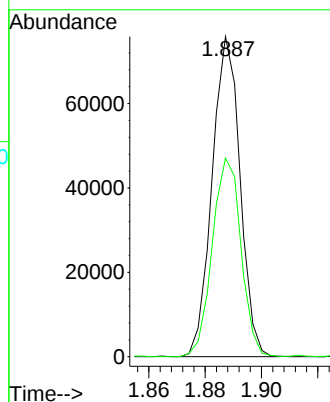
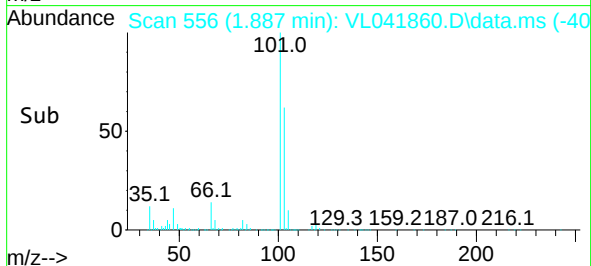
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC002



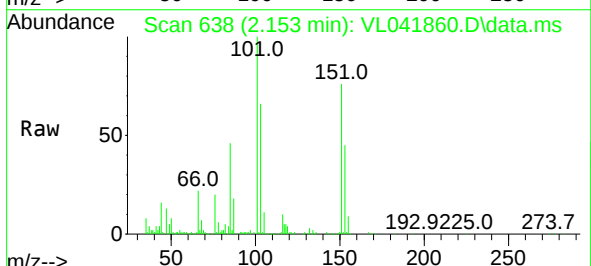
Tgt Ion:101 Resp: 52210  
 Ion Ratio Lower Upper  
 101 100  
 103 62.1 49.4 74.0

Manual Integrations  
 APPROVED

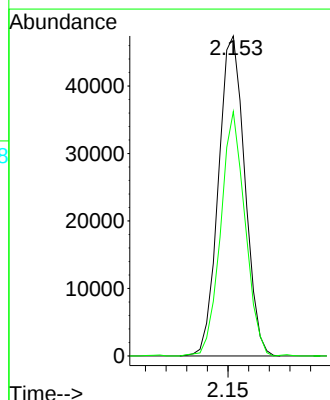
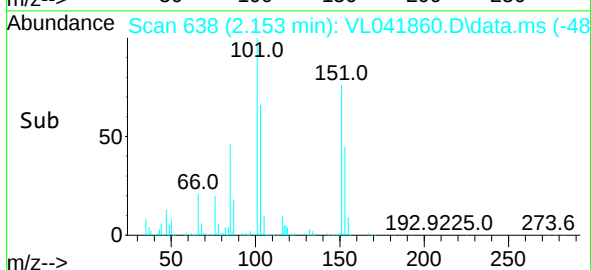
Reviewed By :Mahesh Dadoda 01/10/2025  
 Supervised By :Semsettin Yesilyurt 01/10/2025

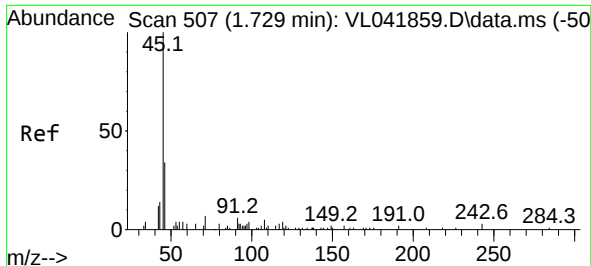


#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 2.322 ppbv  
 RT: 2.153 min Scan# 638  
 Delta R.T. 0.003 min  
 Lab File: VL041860.D  
 Acq: 09 Jan 2025 11:52



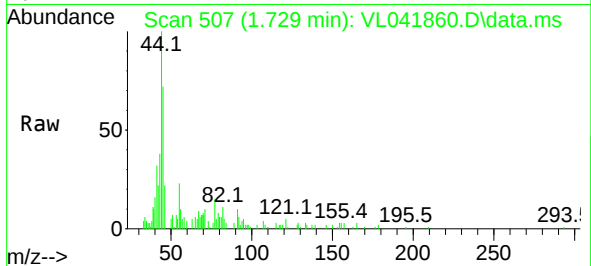
Tgt Ion:101 Resp: 41991  
 Ion Ratio Lower Upper  
 101 100  
 151 70.9 53.2 79.8





#13  
Ethanol  
Concen: 1.994 ppbv m  
RT: 1.729 min Scan# 507  
Delta R.T. -0.000 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

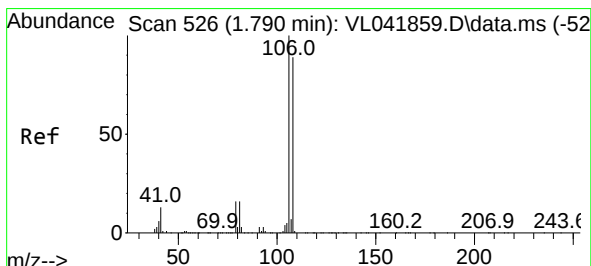
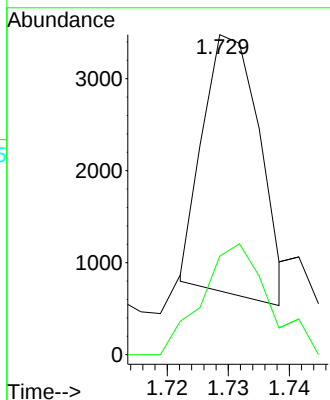
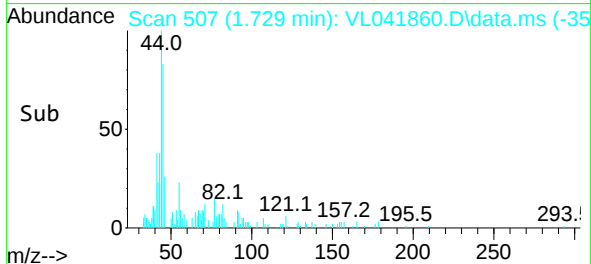
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002



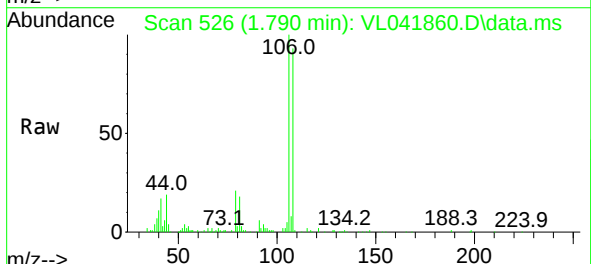
Tgt Ion: 45 Resp: 180  
Ion Ratio Lower Upper  
45 100  
46 70.9 16.1 64.5

Manual Integrations  
APPROVED

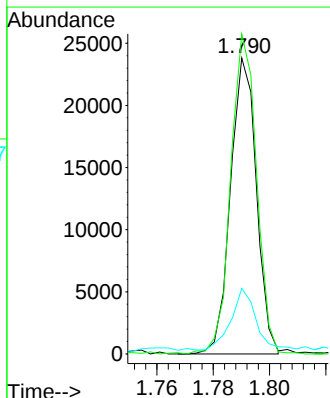
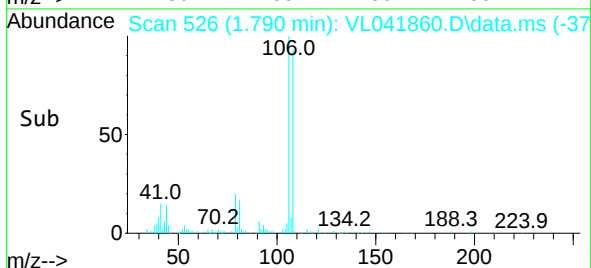
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025

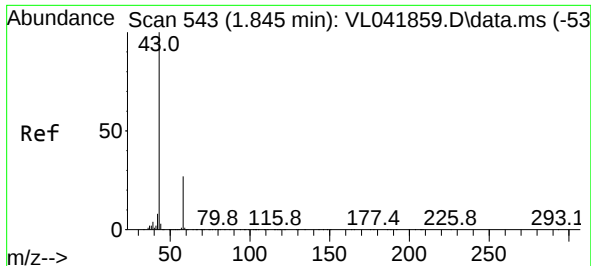


#14  
Bromoethene  
Concen: 2.568 ppbv  
RT: 1.790 min Scan# 526  
Delta R.T. 0.003 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52



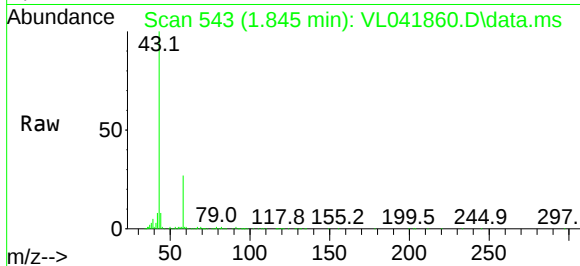
Tgt Ion:108 Resp: 15205  
Ion Ratio Lower Upper  
108 100  
106 108.4 84.6 126.8  
79 24.4 18.3 27.5





#15  
Acetone  
Concen: 1.975 ppbv  
RT: 1.845 min Scan# 543  
Delta R.T. 0.003 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

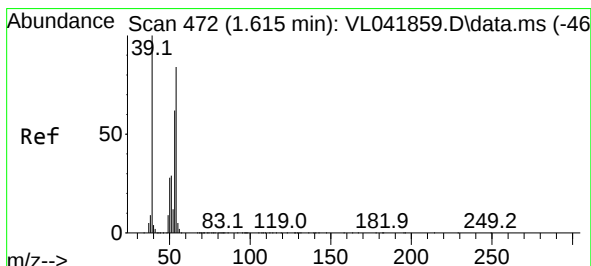
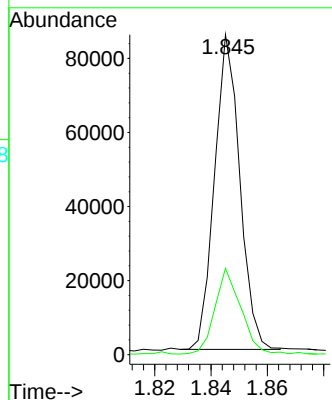
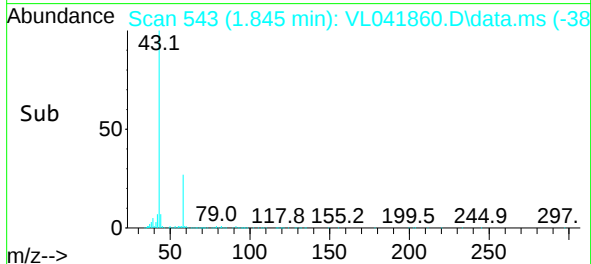
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



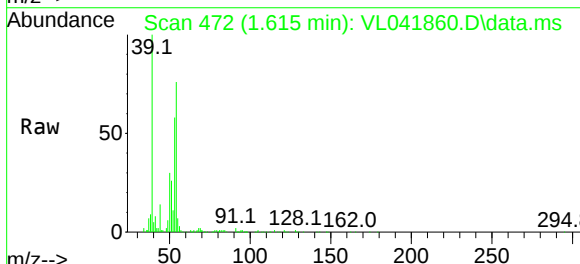
Tgt Ion: 43 Resp: 52918  
Ion Ratio Lower Upper  
43 100  
58 30.0 20.2 30.2

Manual Integrations  
APPROVED

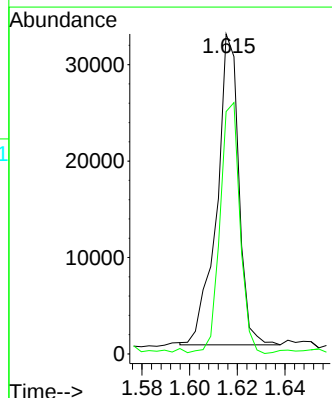
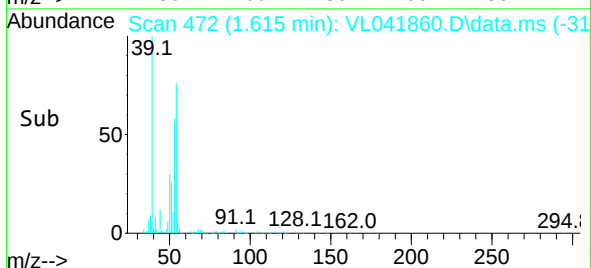
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025

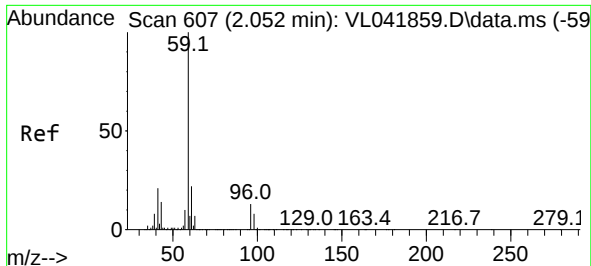


#16  
1,3-Butadiene  
Concen: 1.966 ppbv  
RT: 1.615 min Scan# 472  
Delta R.T. 0.003 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52



Tgt Ion: 39 Resp: 20658  
Ion Ratio Lower Upper  
39 100  
54 80.5 56.2 84.4





#17

tert-Butyl alcohol

Concen: 2.502 ppbv

RT: 2.052 min Scan# 607

Delta R.T. 0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC002

Tgt Ion: 59 Resp: 58092

Ion Ratio Lower Upper

59 100

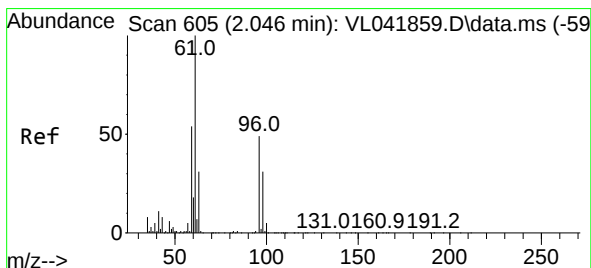
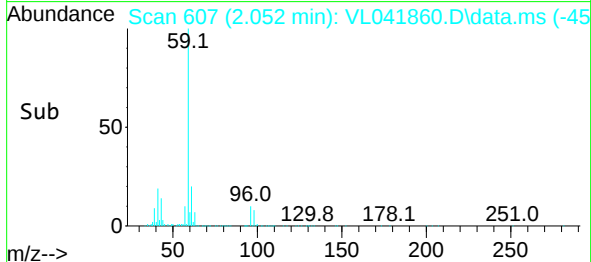
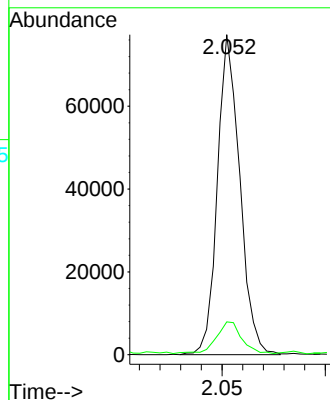
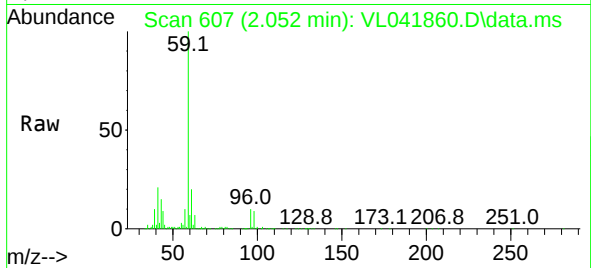
57 13.0 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#18

1,1-Dichloroethene

Concen: 2.397 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

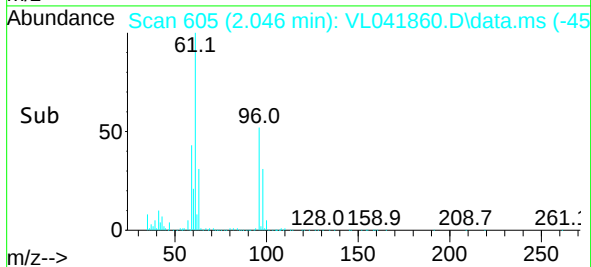
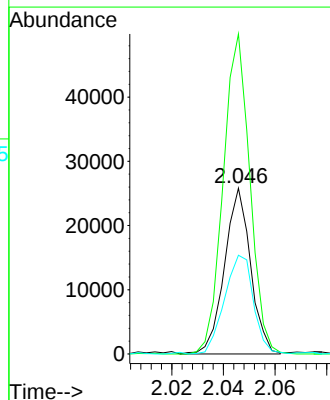
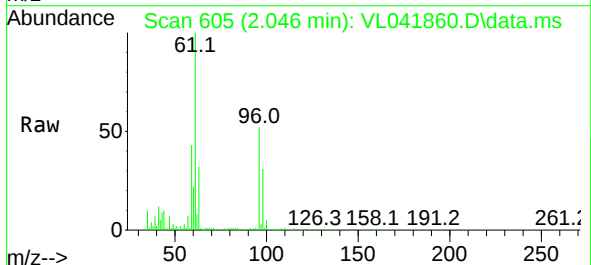
Tgt Ion: 96 Resp: 18153

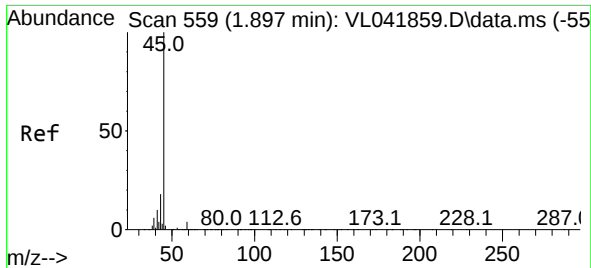
Ion Ratio Lower Upper

96 100

61 193.0 179.2 268.8

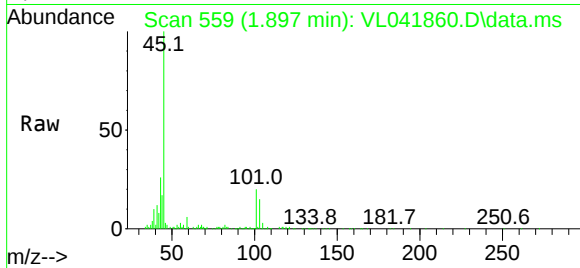
98 58.6 51.6 77.4





#19  
Isopropyl Alcohol  
Concen: 2.069 ppbv  
RT: 1.897 min Scan# 559  
Delta R.T. 0.003 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

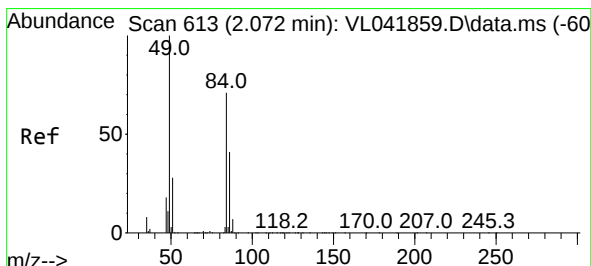
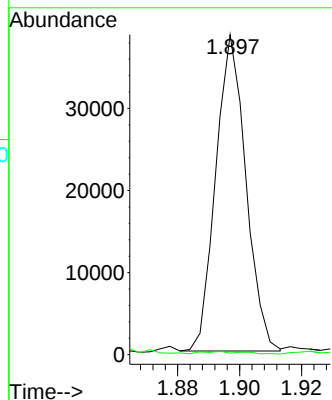
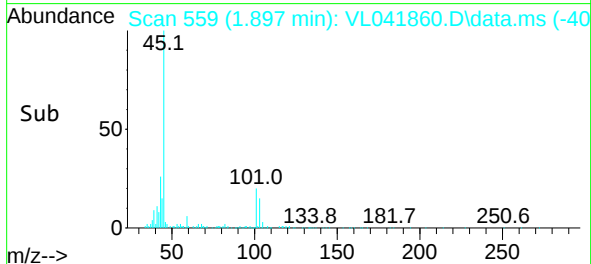
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



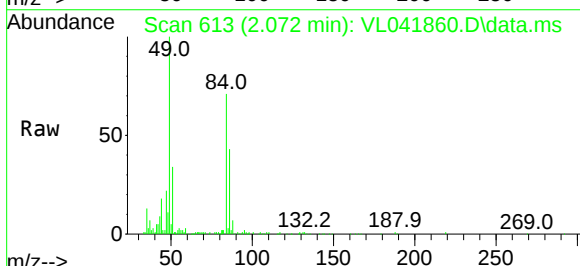
Tgt Ion: 45 Resp: 26028  
Ion Ratio Lower Upper  
45 100  
58 3.9 2.0 3.0

Manual Integrations  
APPROVED

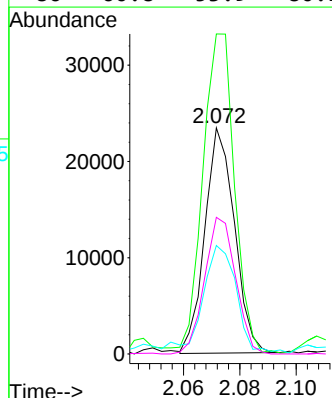
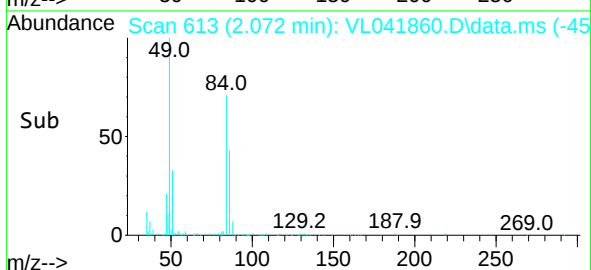
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025

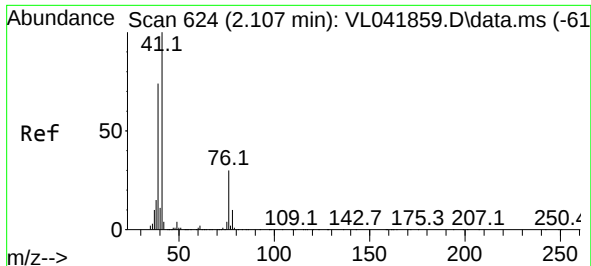


#20  
Methylene Chloride  
Concen: 2.237 ppbv  
RT: 2.072 min Scan# 613  
Delta R.T. 0.003 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52



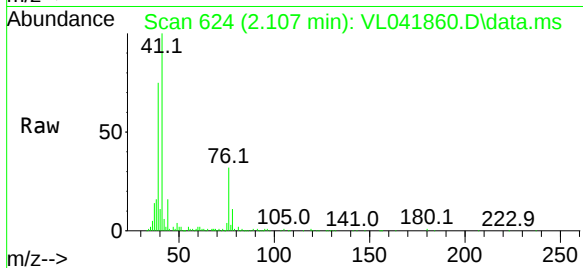
Tgt Ion: 84 Resp: 17135  
Ion Ratio Lower Upper  
84 100  
49 142.1 137.8 206.8  
51 46.5 43.9 65.9  
86 60.8 53.9 80.9





#21  
 Allyl Chloride  
 Concen: 2.348 ppbv  
 RT: 2.107 min Scan# 61  
 Delta R.T. 0.003 min  
 Lab File: VL041860.D  
 Acq: 09 Jan 2025 11:52

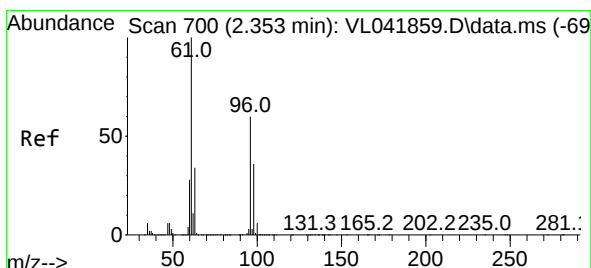
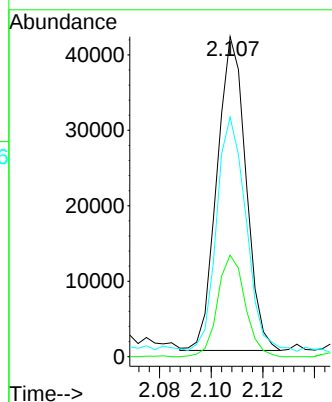
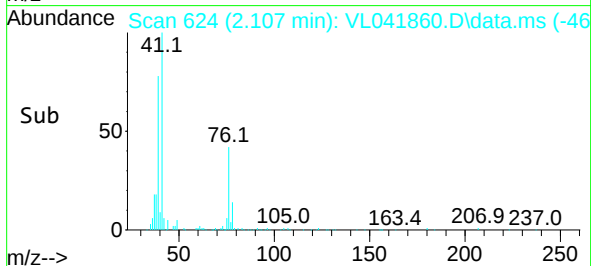
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC002



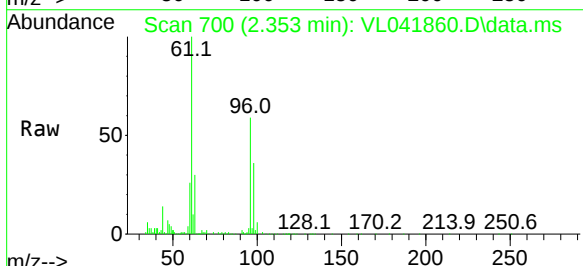
Tgt Ion: 41 Resp: 32414  
 Ion Ratio Lower Upper  
 41 100  
 76 30.7 20.6 31.0  
 39 76.3 67.4 101.2

Manual Integrations  
 APPROVED

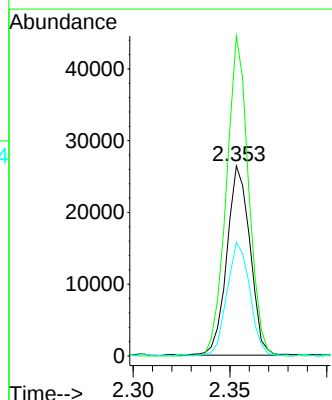
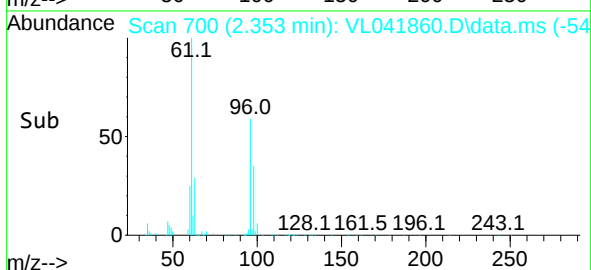
Reviewed By :Mahesh Dadoda 01/10/2025  
 Supervised By :Semsettin Yesilyurt 01/10/2025

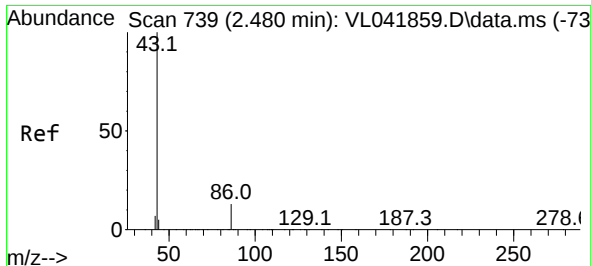


#22  
 trans-1,2-Dichloroethene  
 Concen: 2.583 ppbv  
 RT: 2.353 min Scan# 700  
 Delta R.T. 0.003 min  
 Lab File: VL041860.D  
 Acq: 09 Jan 2025 11:52



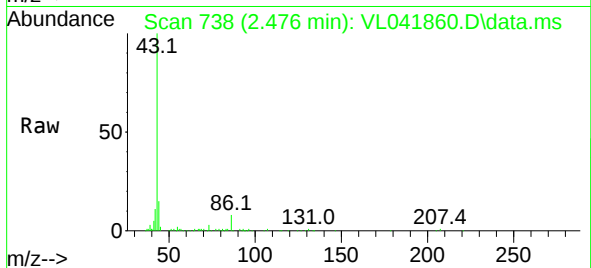
Tgt Ion: 96 Resp: 21862  
 Ion Ratio Lower Upper  
 96 100  
 61 169.1 144.0 216.0  
 98 59.8 46.9 70.3





#23  
 Vinyl Acetate  
 Concen: 3.598 ppbv  
 RT: 2.476 min Scan# 739  
 Delta R.T. 0.003 min  
 Lab File: VL041860.D  
 Acq: 09 Jan 2025 11:52

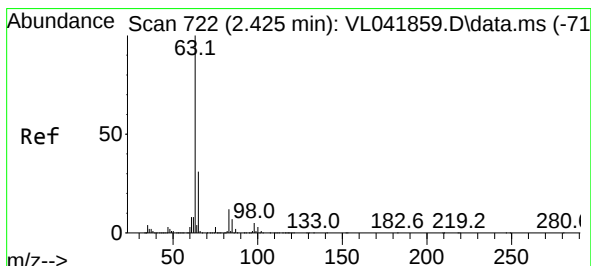
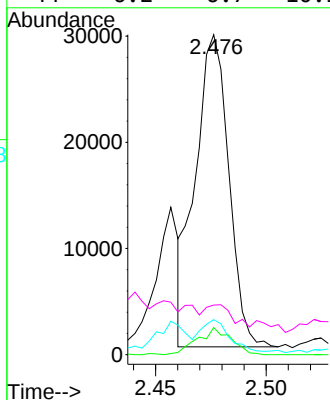
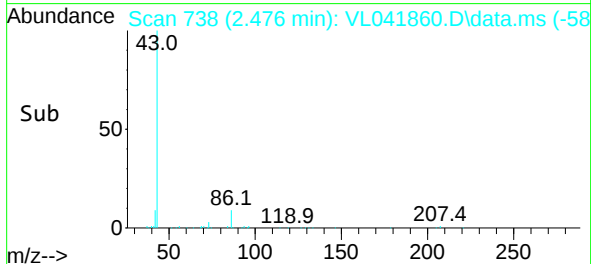
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC002



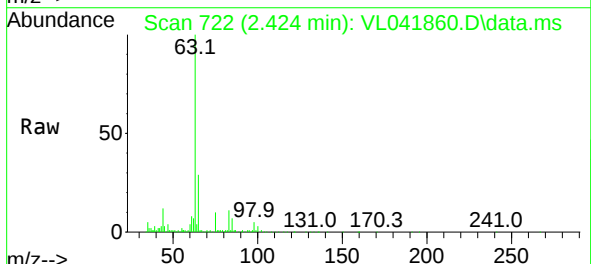
Tgt Ion: 43 Resp: 30920  
 Ion Ratio Lower Upper  
 43 100  
 86 8.7 6.4 9.6  
 42 9.9 9.5 14.3  
 44 6.2 6.7 10.1#

Manual Integrations  
 APPROVED

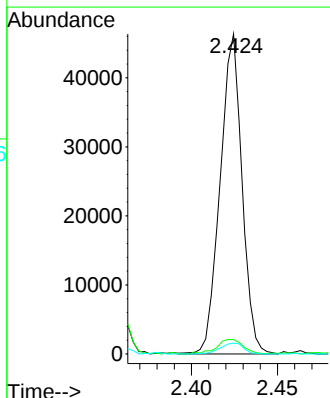
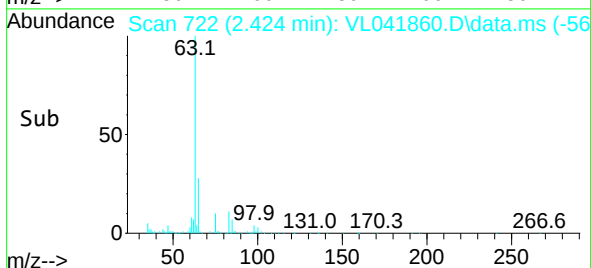
Reviewed By :Mahesh Dadoda 01/10/2025  
 Supervised By :Semsettin Yesilyurt 01/10/2025

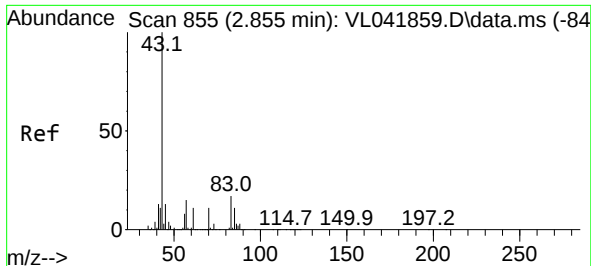


#24  
 1,1-Dichloroethane  
 Concen: 2.211 ppbv  
 RT: 2.424 min Scan# 722  
 Delta R.T. 0.006 min  
 Lab File: VL041860.D  
 Acq: 09 Jan 2025 11:52



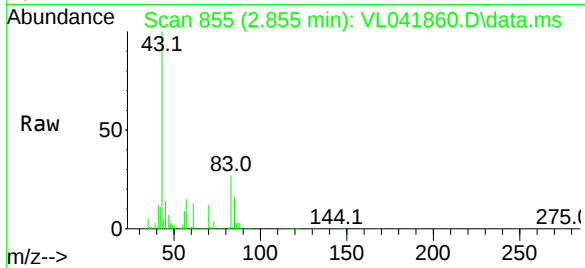
Tgt Ion: 63 Resp: 40950  
 Ion Ratio Lower Upper  
 63 100  
 98 4.3 2.3 6.9  
 100 3.4 1.4 4.0





#25  
Ethyl Acetate  
Concen: 2.807 ppbv  
RT: 2.855 min Scan# 80  
Delta R.T. 0.010 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

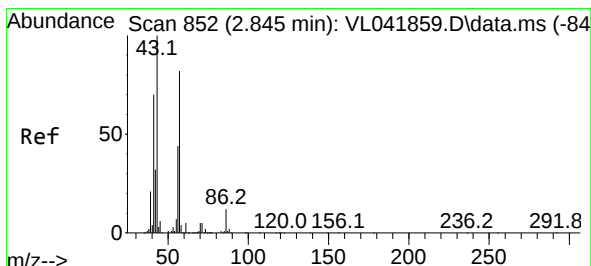
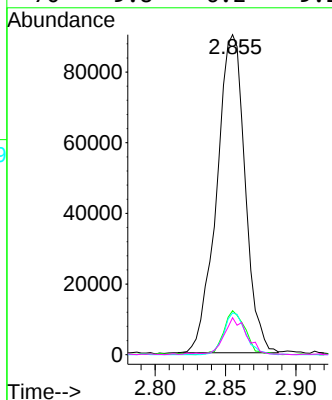
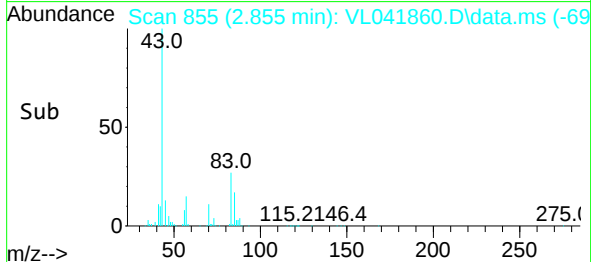
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



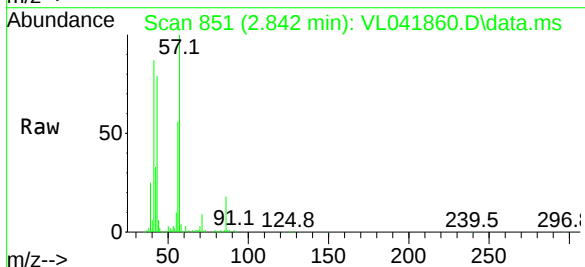
Tgt Ion: 43 Resp: 12616  
Ion Ratio Lower Upper  
43 100  
45 10.6 7.8 11.8  
61 10.1 7.0 10.6  
70 9.8 6.2 9.2#

Manual Integrations  
APPROVED

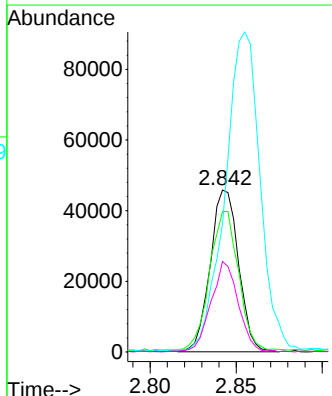
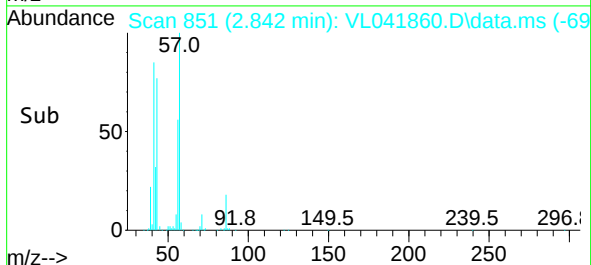
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025

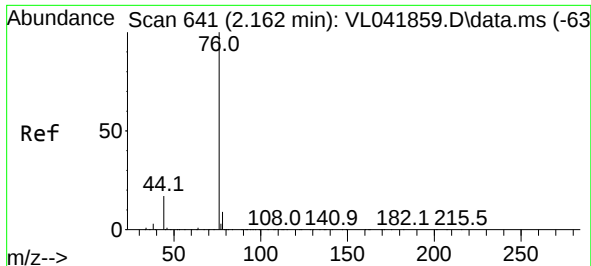


#26  
Hexane  
Concen: 3.352 ppbv  
RT: 2.842 min Scan# 851  
Delta R.T. 0.003 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52



Tgt Ion: 57 Resp: 52287  
Ion Ratio Lower Upper  
57 100  
41 91.9 84.1 126.1  
43 243.9 218.4 327.6  
56 54.3 45.7 68.5





#27

Carbon Disulfide

Concen: 3.401 ppbv

RT: 2.162 min Scan# 641

Delta R.T. 0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA\_L

ClientSampleId :

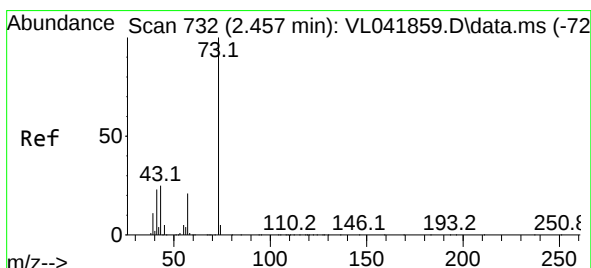
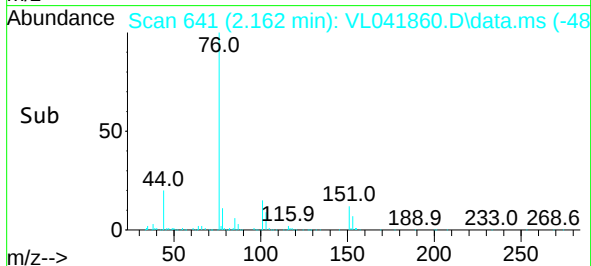
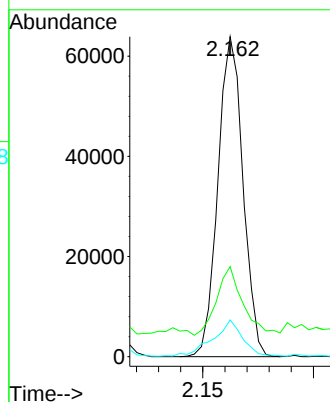
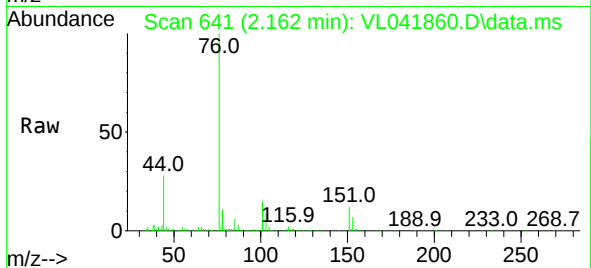
VSTDICC002

|             |             |
|-------------|-------------|
| Tgt Ion: 76 | Resp: 5034  |
| Ion Ratio   | Lower Upper |
| 76 100      |             |
| 44 27.7     | 19.8 29.8   |
| 78 13.3     | 9.8 14.8    |

Manual Integrations

APPROVED

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



#28

Methyl tert-Butyl Ether

Concen: 3.724 ppbv

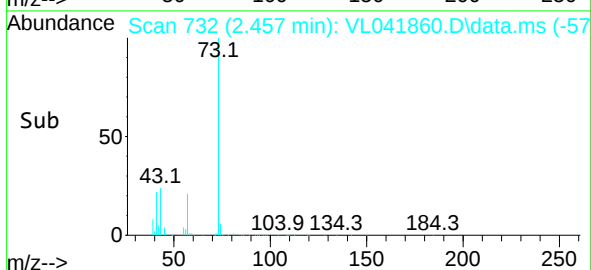
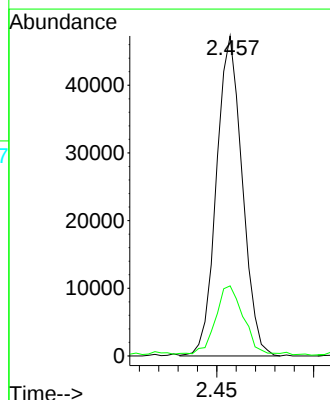
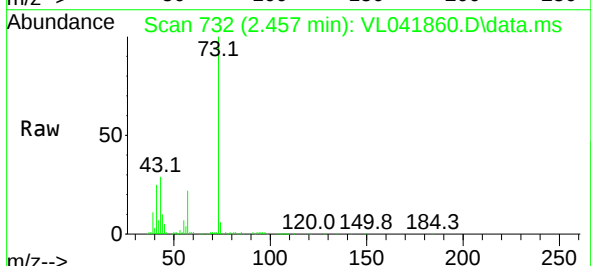
RT: 2.457 min Scan# 732

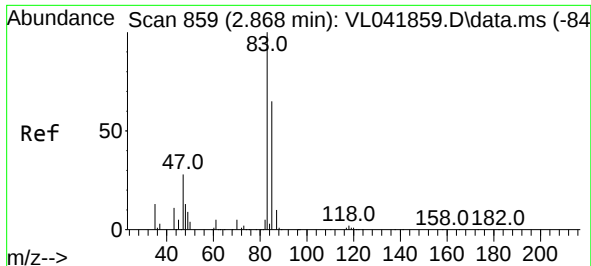
Delta R.T. 0.006 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

|             |             |
|-------------|-------------|
| Tgt Ion: 73 | Resp: 43777 |
| Ion Ratio   | Lower Upper |
| 73 100      |             |
| 57 23.3     | 18.4 27.6   |





#29

Chloroform

Concen: 2.583 ppbv

RT: 2.865 min Scan# 859

Delta R.T. 0.003 min

Lab File: VL041860.D

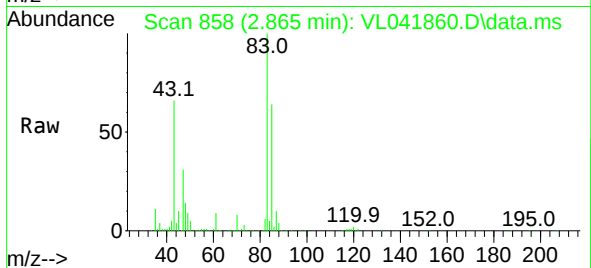
Acq: 09 Jan 2025 11:52

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC002



Tgt Ion: 83 Resp: 74840

Ion Ratio Lower Upper

83 100

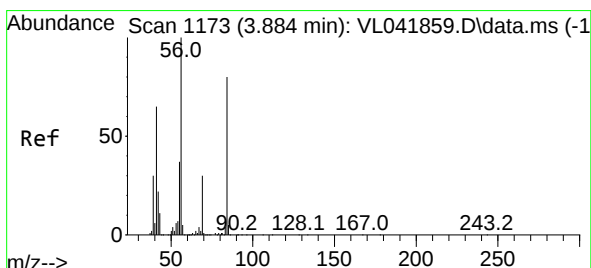
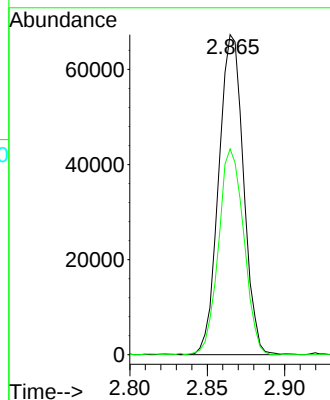
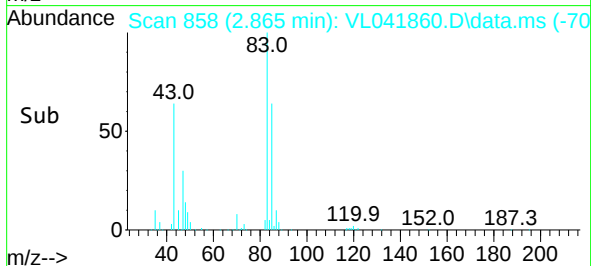
85 64.1 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#30

Cyclohexane

Concen: 3.933 ppbv

RT: 3.878 min Scan# 1171

Delta R.T. 0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

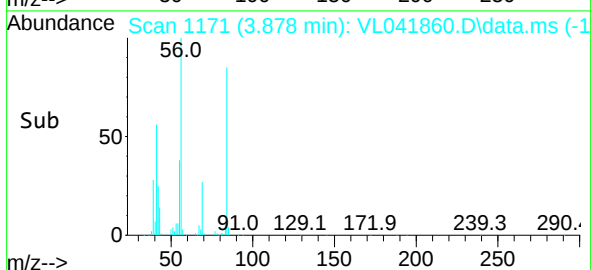
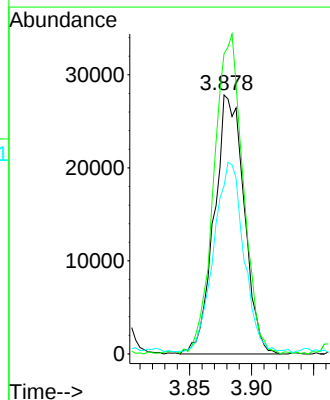
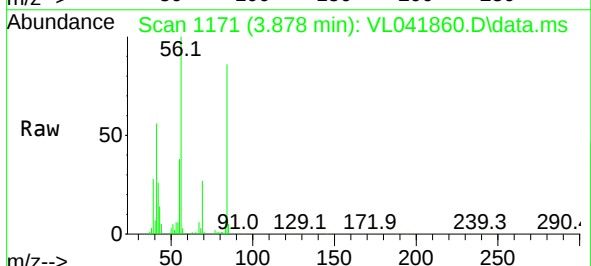
Tgt Ion: 84 Resp: 46542

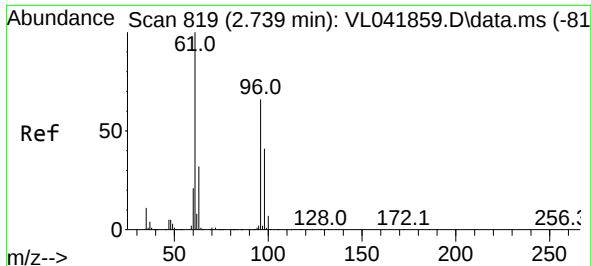
Ion Ratio Lower Upper

84 100

56 121.9 105.0 157.6

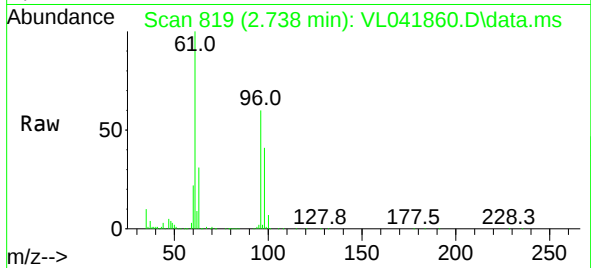
41 74.5 78.9 118.3#





#31  
cis-1,2-Dichloroethene  
Concen: 3.120 ppbv  
RT: 2.738 min Scan# 819  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

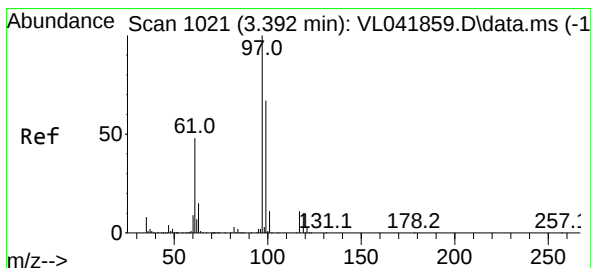
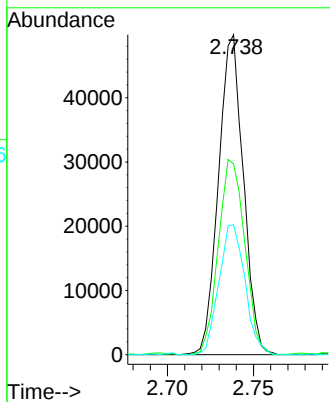
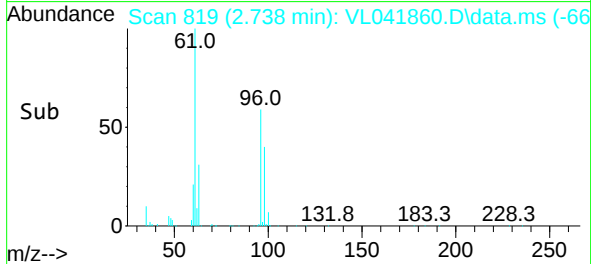
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002



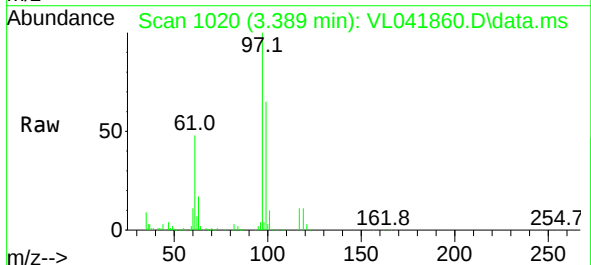
Tgt Ion: 61 Resp: 50090  
Ion Ratio Lower Upper  
61 100  
96 59.6 47.6 71.4  
98 40.6 30.2 45.2

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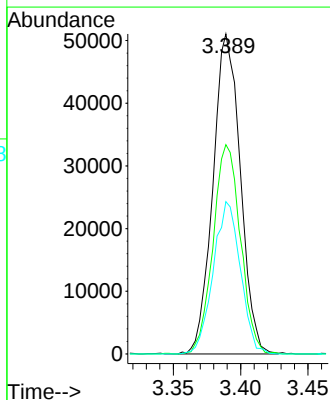
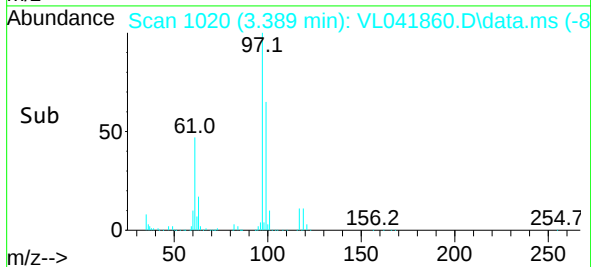
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025

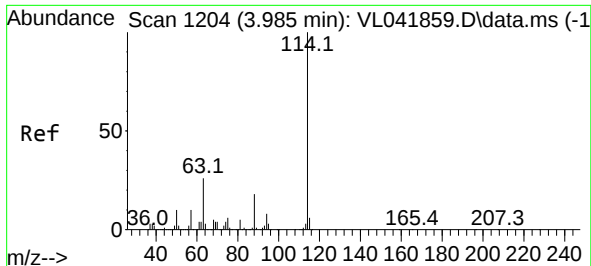


#32  
1,1,1-Trichloroethane  
Concen: 2.750 ppbv  
RT: 3.389 min Scan# 1020  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52



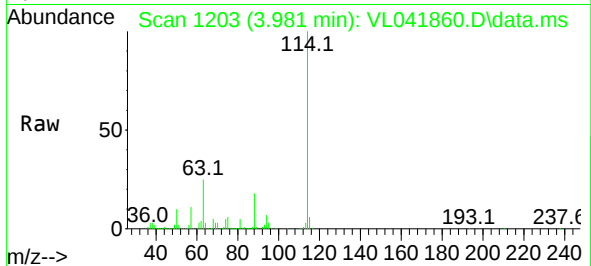
Tgt Ion: 97 Resp: 72210  
Ion Ratio Lower Upper  
97 100  
99 65.4 50.6 76.0  
61 47.2 45.0 67.6





#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.981 min Scan# 114  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

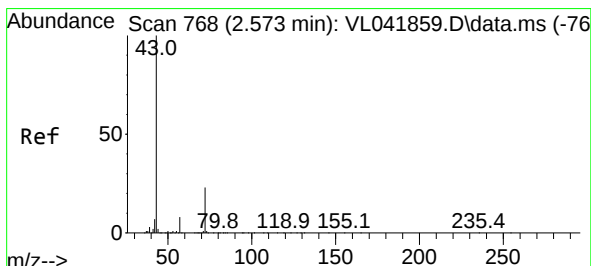
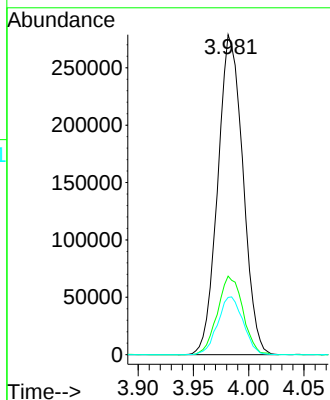
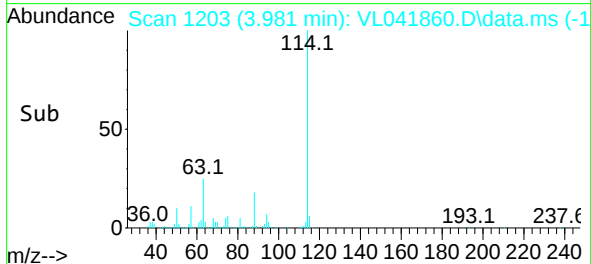
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002



Tgt Ion:114 Resp: 440592  
Ion Ratio Lower Upper  
114 100  
63 24.9 22.3 33.5  
88 18.3 14.9 22.3

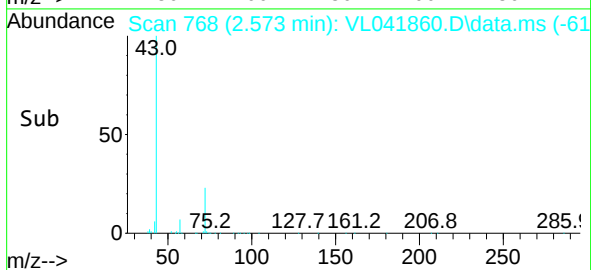
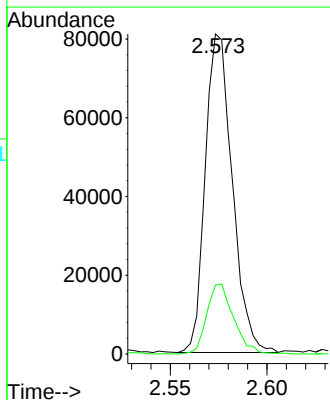
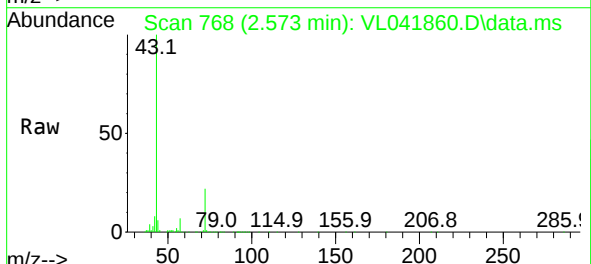
Manual Integrations  
APPROVED

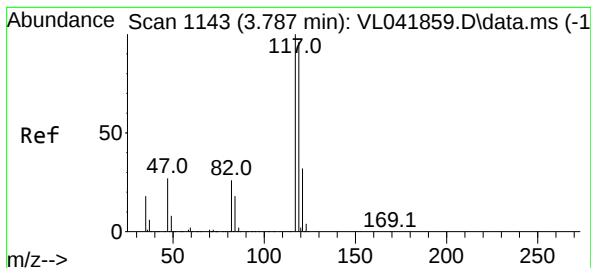
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025



#34  
2-Butanone  
Concen: 2.267 ppbv  
RT: 2.573 min Scan# 768  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

Tgt Ion: 43 Resp: 78681  
Ion Ratio Lower Upper  
43 100  
72 21.9 16.6 25.0





#35

Carbon Tetrachloride

Concen: 2.079 ppbv

RT: 3.790 min Scan# 1143

Delta R.T. 0.010 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC002

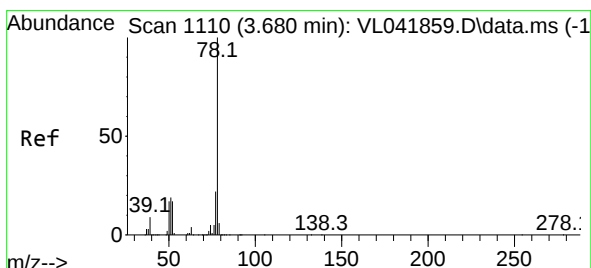
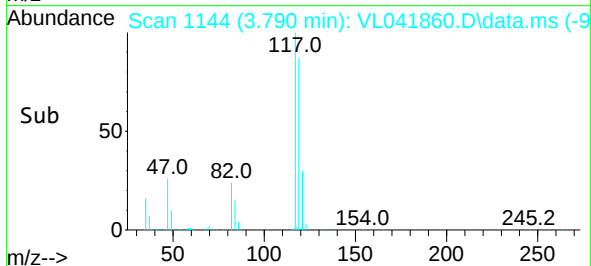
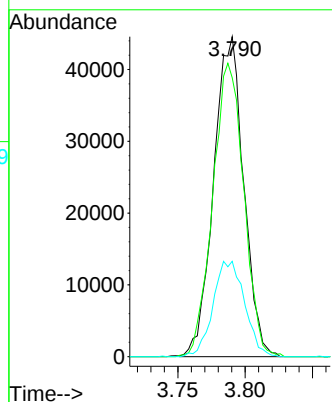
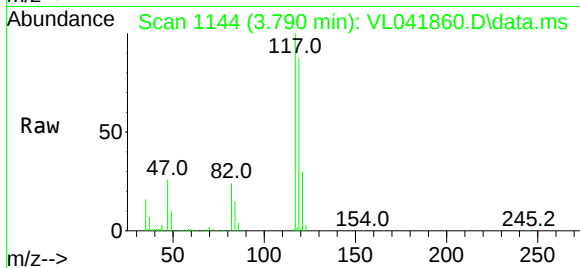
Tgt Ion: 117 Resp: 6922

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 86.8  | 79.1  | 118.7 |
| 121 | 29.8  | 24.2  | 36.2  |

Manual Integrations

APPROVED

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



#36

Benzene

Concen: 2.534 ppbv

RT: 3.680 min Scan# 1110

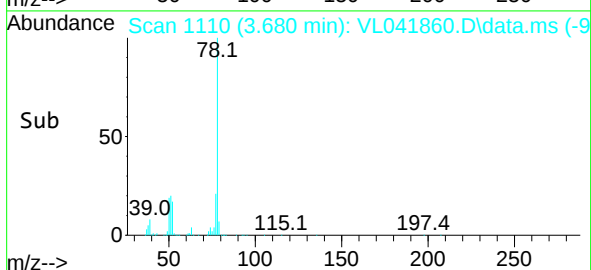
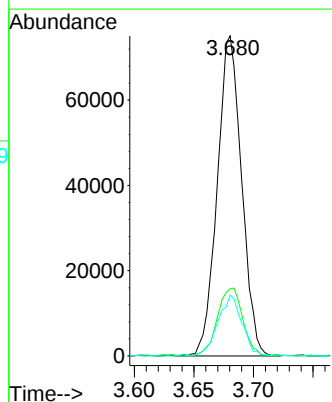
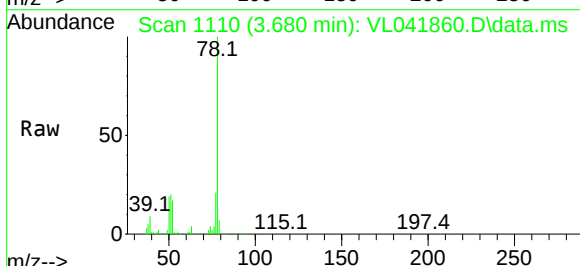
Delta R.T. 0.006 min

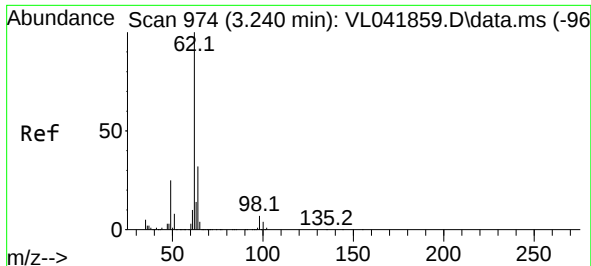
Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Tgt Ion: 78 Resp: 106654

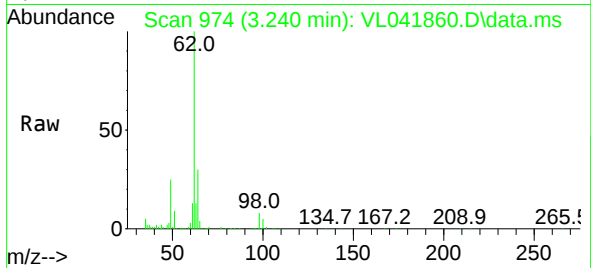
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 78  | 100   |       |       |
| 77  | 20.8  | 17.4  | 26.0  |
| 50  | 19.0  | 17.3  | 25.9  |





#37  
1,2-Dichloroethane  
Concen: 1.980 ppbv  
RT: 3.240 min Scan# 91  
Delta R.T. 0.010 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

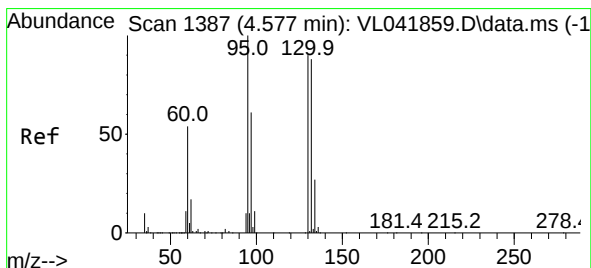
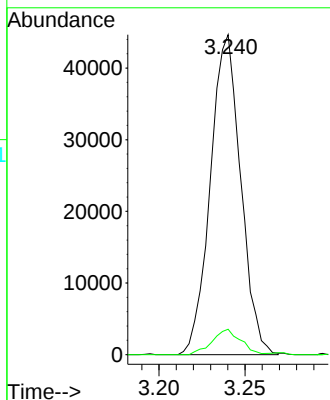
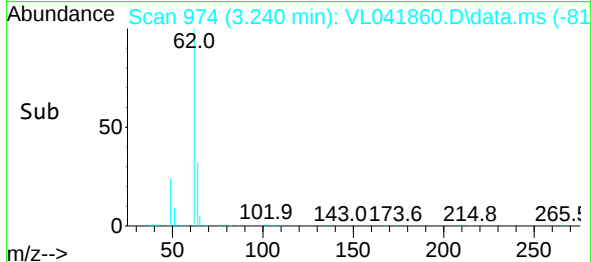
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



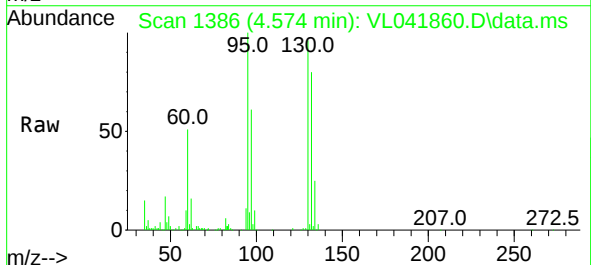
Tgt Ion: 62 Resp: 54770  
Ion Ratio Lower Upper  
62 100  
98 7.8 4.8 7.2

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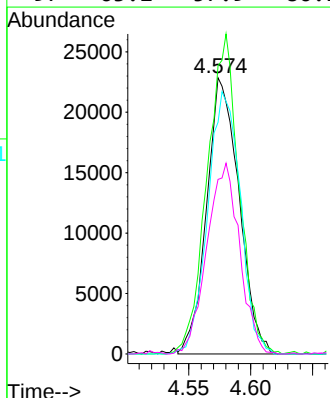
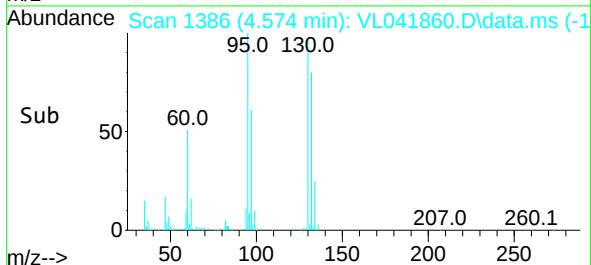
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025

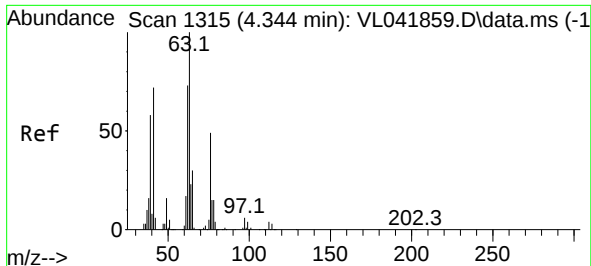


#38  
Trichloroethene  
Concen: 2.511 ppbv  
RT: 4.574 min Scan# 1386  
Delta R.T. 0.003 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52



Tgt Ion:130 Resp: 41427  
Ion Ratio Lower Upper  
130 100  
95 103.4 90.1 135.1  
132 83.9 71.8 107.8  
97 63.2 57.9 86.9





#39

1,2-Dichloropropane

Concen: 2.310 ppbv m

RT: 4.347 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC002

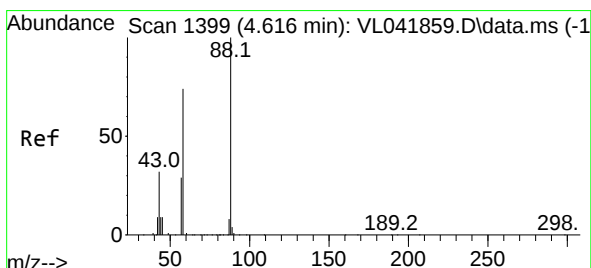
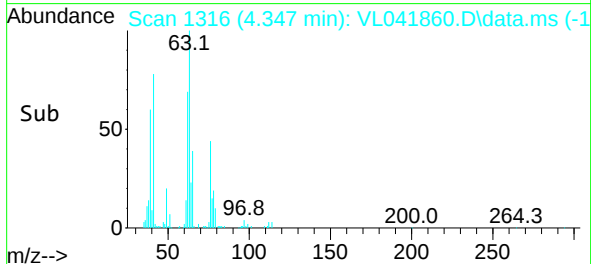
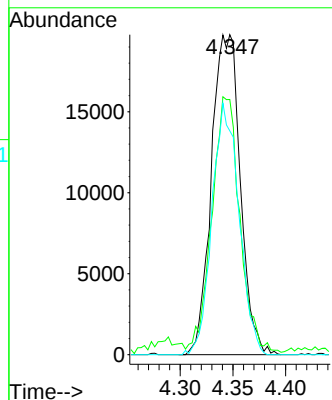
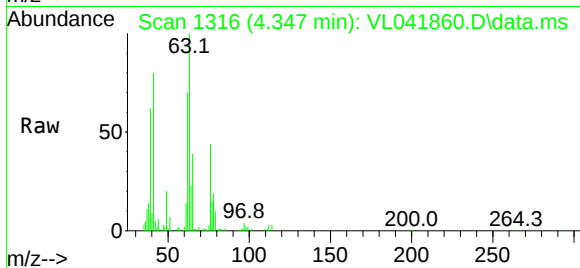
Tgt Ion: 63 Resp: 37604

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 41  | 79.8  | 77.7  | 116.5 |
| 62  | 70.0  | 56.2  | 84.2  |

Manual Integrations

APPROVED

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



#40

1,4-Dioxane

Concen: 2.990 ppbv

RT: 4.629 min Scan# 1403

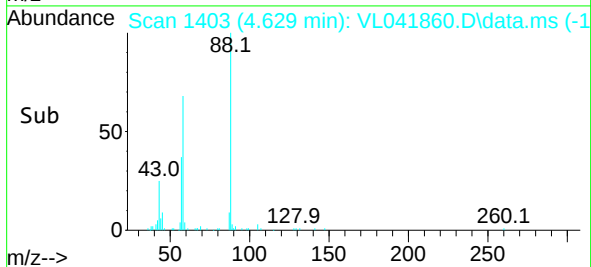
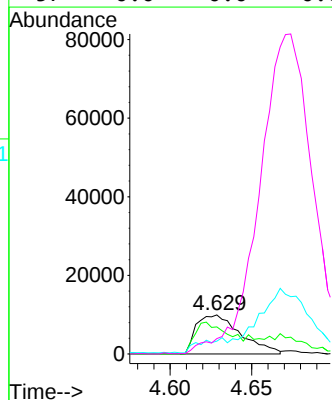
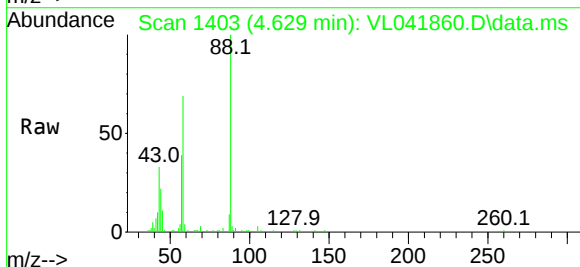
Delta R.T. 0.023 min

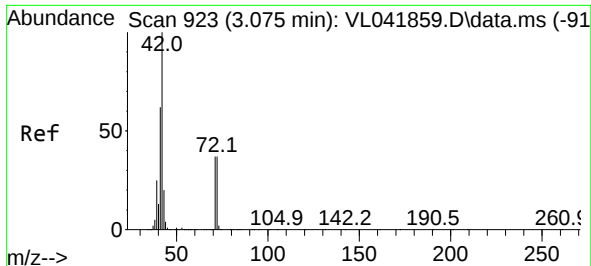
Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Tgt Ion: 88 Resp: 18864

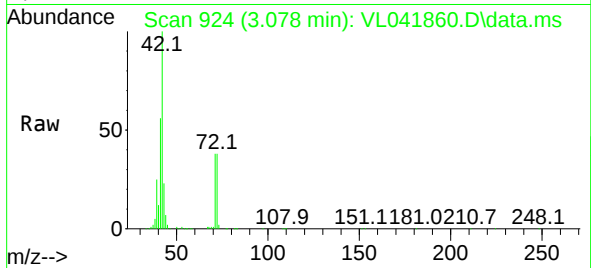
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 58  | 119.7 | 65.1  | 97.7# |
| 43  | 0.0   | 32.1  | 48.1# |
| 57  | 0.0   | 0.0   | 0.0   |





#41  
Tetrahydrofuran  
Concen: 2.724 ppbv  
RT: 3.078 min Scan# 91  
Delta R.T. 0.010 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

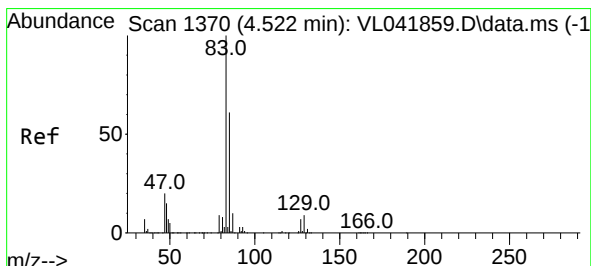
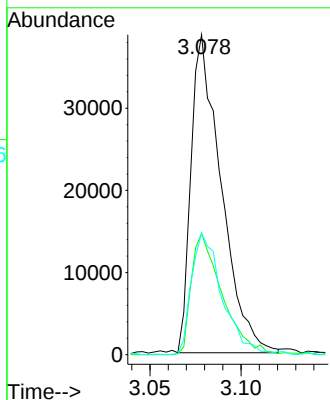
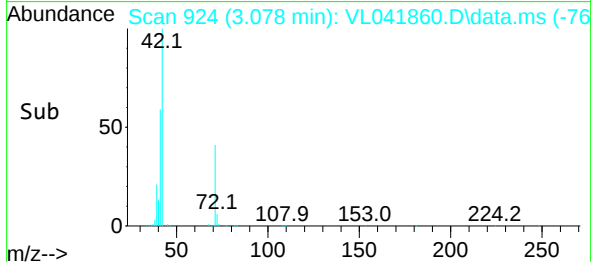
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



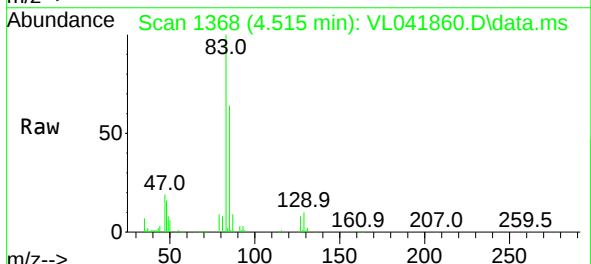
Tgt Ion: 42 Resp: 44570  
Ion Ratio Lower Upper  
42 100  
72 39.5 27.9 41.9  
71 39.7 26.5 39.7

Manual Integrations  
APPROVED

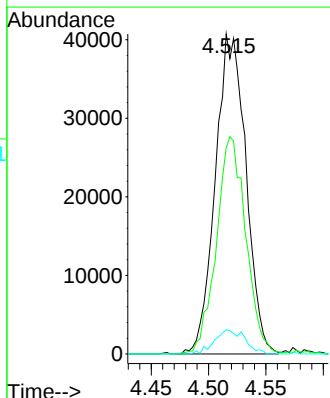
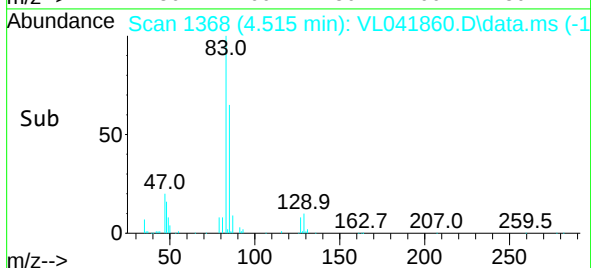
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025

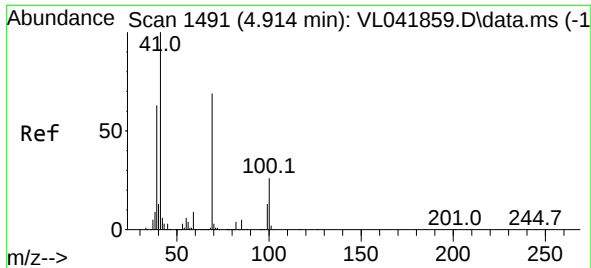


#42  
Bromodichloromethane  
Concen: 2.324 ppbv  
RT: 4.515 min Scan# 1368  
Delta R.T. 0.003 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52



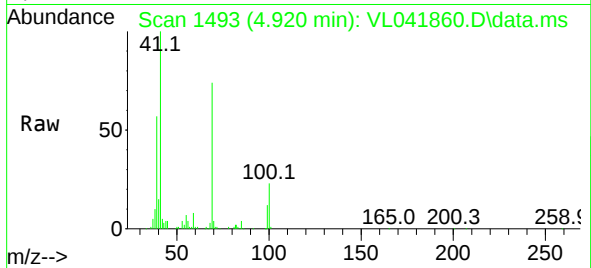
Tgt Ion: 83 Resp: 75424  
Ion Ratio Lower Upper  
83 100  
85 64.4 51.3 76.9  
127 7.5 5.6 8.4





#43  
Methyl Methacrylate  
Concen: 3.190 ppbv m  
RT: 4.920 min Scan# 1493  
Delta R.T. 0.016 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

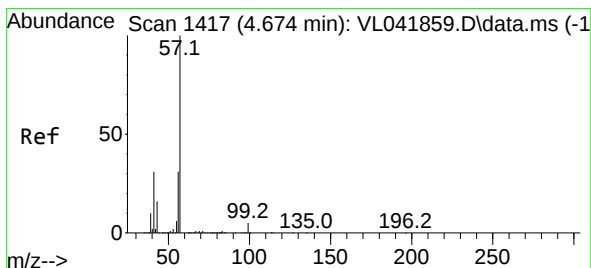
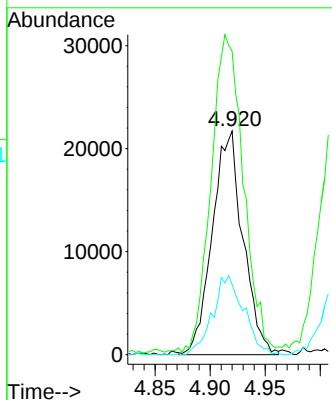
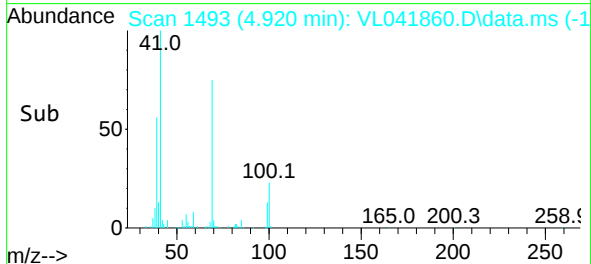
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



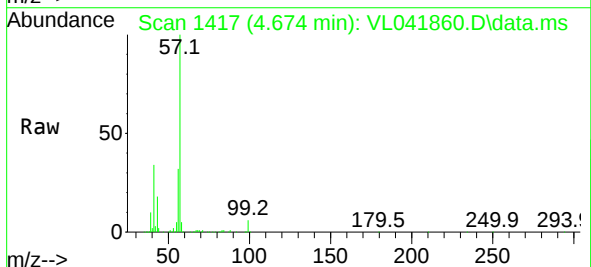
Tgt Ion: 69 Resp: 4215  
Ion Ratio Lower Upper  
69 100  
41 152.0 132.3 198.5  
100 35.9 28.2 42.4

Manual Integrations  
APPROVED

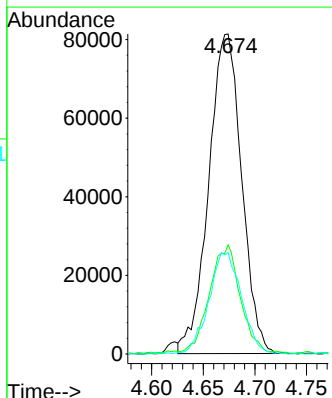
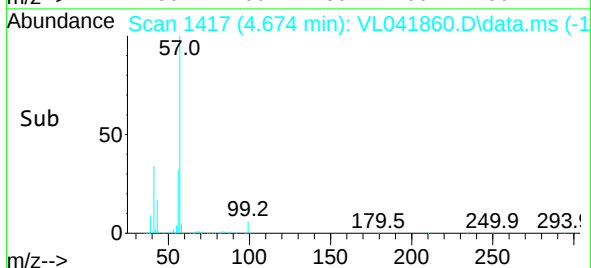
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025

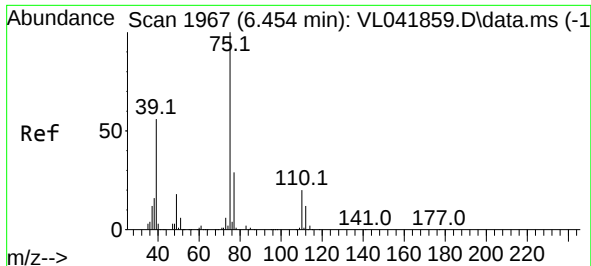


#44  
2,2,4-Trimethylpentane  
Concen: 2.597 ppbv  
RT: 4.674 min Scan# 1417  
Delta R.T. 0.013 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52



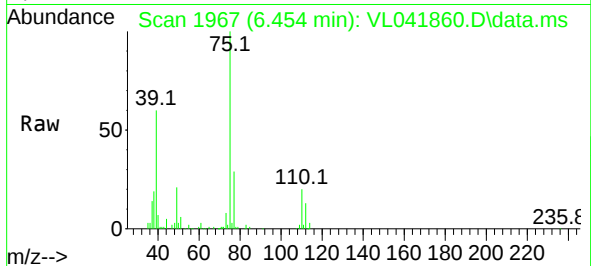
Tgt Ion: 57 Resp: 180117  
Ion Ratio Lower Upper  
57 100  
41 31.8 31.4 47.2  
56 31.6 26.6 39.8





#45  
 t-1,3-Dichloropropene  
 Concen: 3.361 ppbv  
 RT: 6.454 min Scan# 1967  
 Delta R.T. 0.016 min  
 Lab File: VL041860.D  
 Acq: 09 Jan 2025 11:52

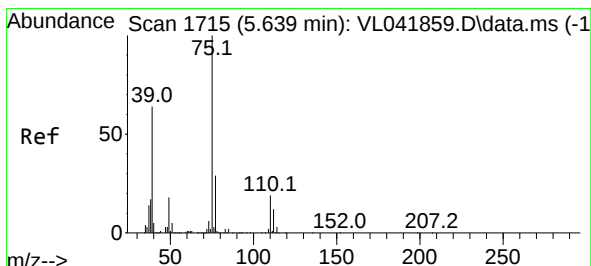
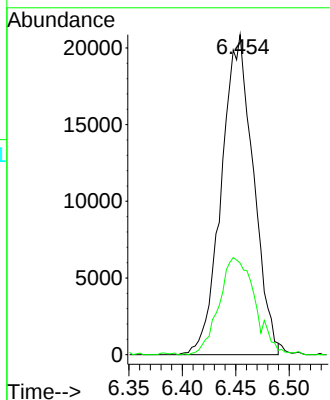
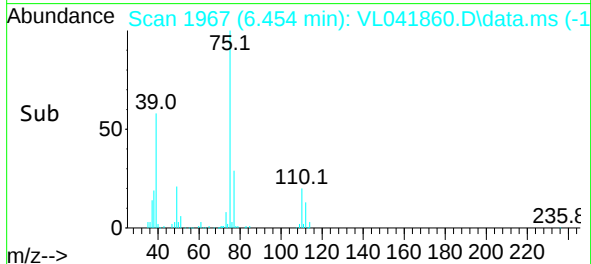
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC002



Tgt Ion: 75 Resp: 43372  
 Ion Ratio Lower Upper  
 75 100  
 77 28.6 22.2 33.4

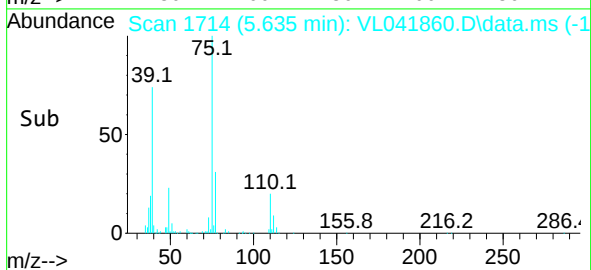
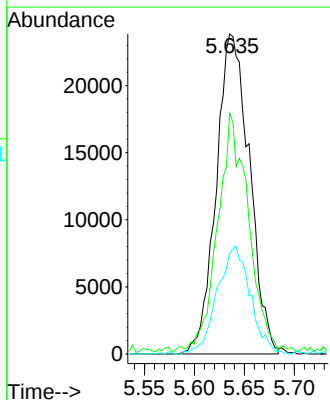
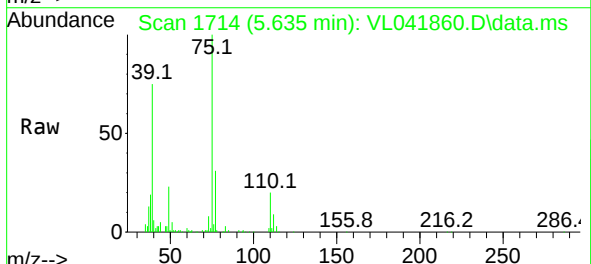
Manual Integrations  
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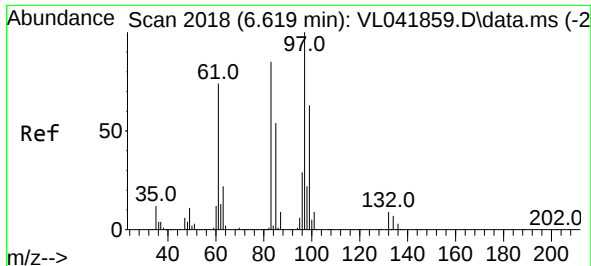
Reviewed By :Mahesh Dadoda 01/10/2025  
 Supervised By :Semsettin Yesilyurt 01/10/2025



#46  
 cis-1,3-Dichloropropene  
 Concen: 3.243 ppbv  
 RT: 5.635 min Scan# 1714  
 Delta R.T. 0.003 min  
 Lab File: VL041860.D  
 Acq: 09 Jan 2025 11:52

Tgt Ion: 75 Resp: 55051  
 Ion Ratio Lower Upper  
 75 100  
 39 74.3 63.3 94.9  
 77 31.5 23.5 35.3





#47

1,1,2-Trichloroethane

Concen: 2.287 ppbv m

RT: 6.622 min Scan# 2018

Delta R.T. 0.016 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC002

Tgt Ion: 97 Resp: 3939

Ion Ratio Lower Upper

97 100

83 77.0 70.3 105.5

85 59.3 41.5 62.3

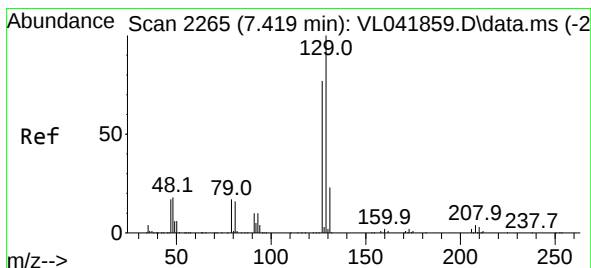
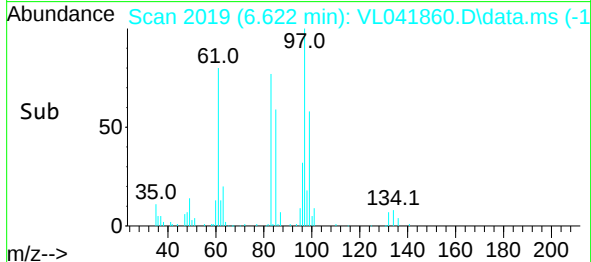
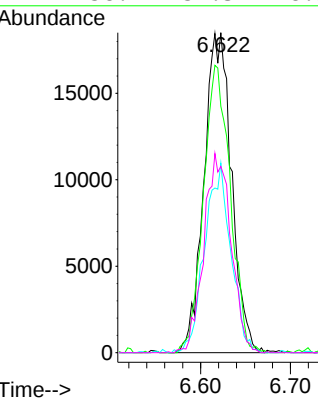
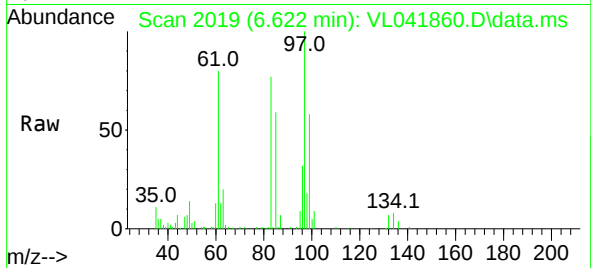
99 58.2 52.3 78.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#48

Dibromochloromethane

Concen: 2.797 ppbv

RT: 7.419 min Scan# 2265

Delta R.T. 0.010 min

Lab File: VL041860.D

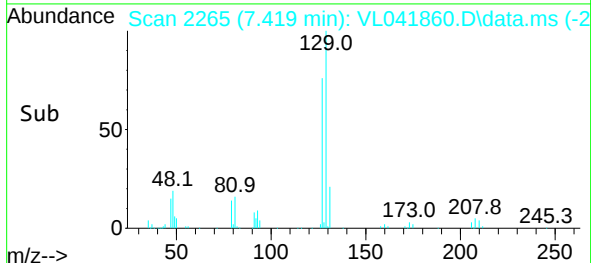
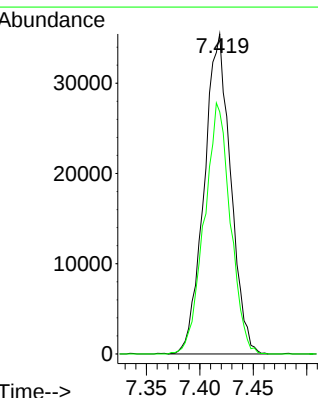
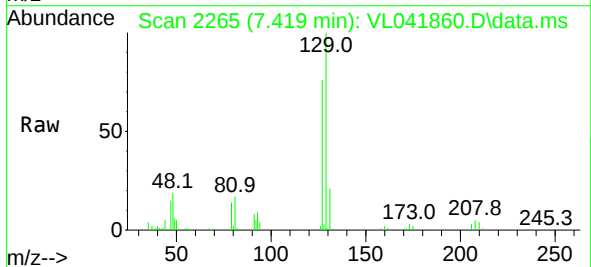
Acq: 09 Jan 2025 11:52

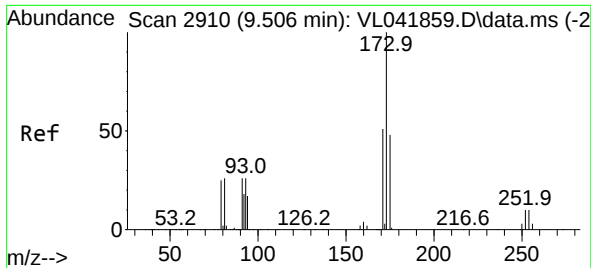
Tgt Ion:129 Resp: 61313

Ion Ratio Lower Upper

129 100

127 77.1 38.7 116.1





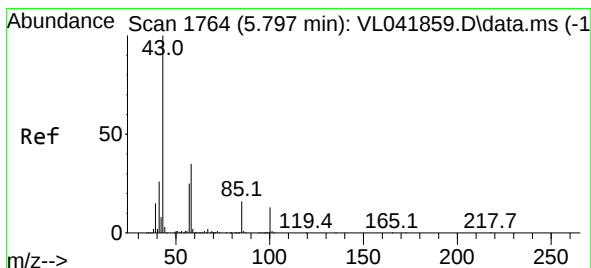
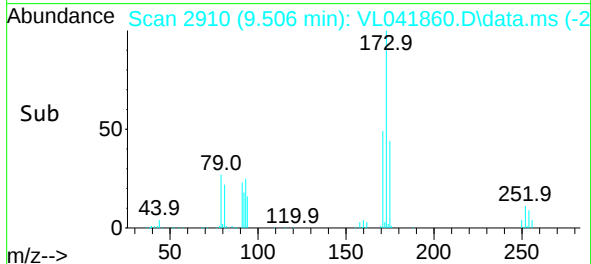
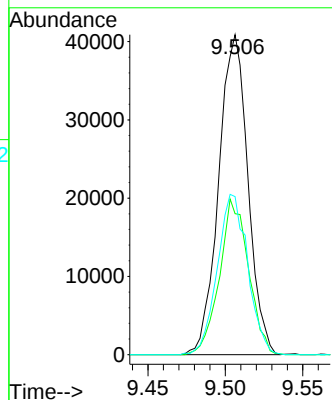
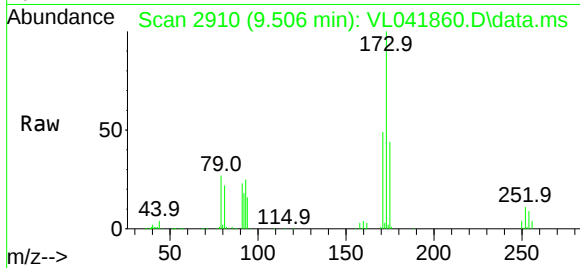
#49  
Bromoform  
Concen: 3.059 ppbv  
RT: 9.506 min Scan# 2910  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

Tgt Ion:173 Resp: 53734  
Ion Ratio Lower Upper  
173 100  
175 48.1 39.5 59.3  
171 52.0 41.5 62.3

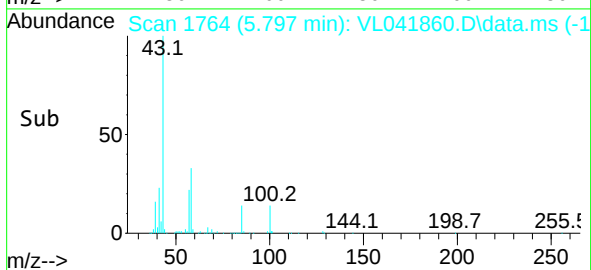
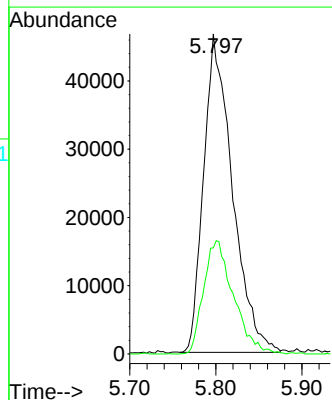
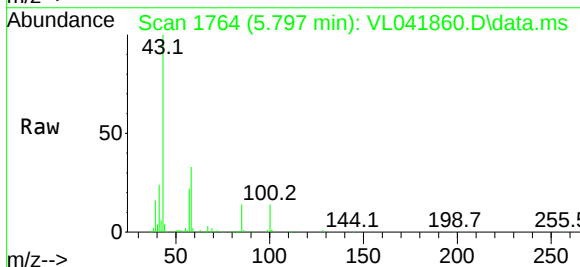
Manual Integrations  
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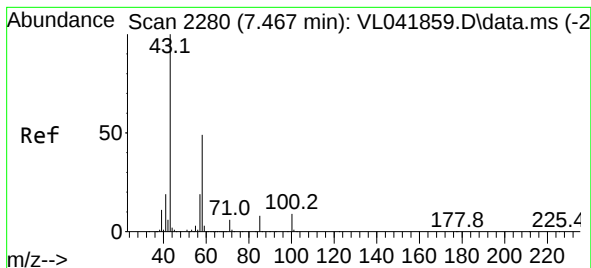
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025



#50  
4-Methyl-2-Pentanone  
Concen: 2.698 ppbv  
RT: 5.797 min Scan# 1764  
Delta R.T. 0.013 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

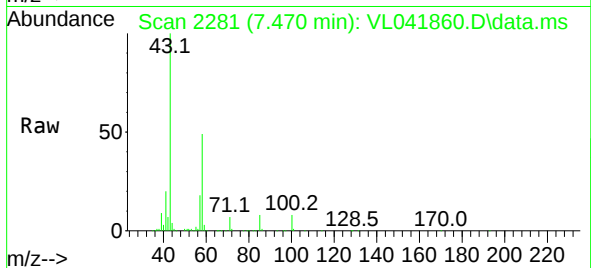
Tgt Ion: 43 Resp: 108191  
Ion Ratio Lower Upper  
43 100  
58 37.2 25.7 38.5





#51  
2-Hexanone  
Concen: 2.991 ppbv  
RT: 7.470 min Scan# 21  
Delta R.T. 0.013 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

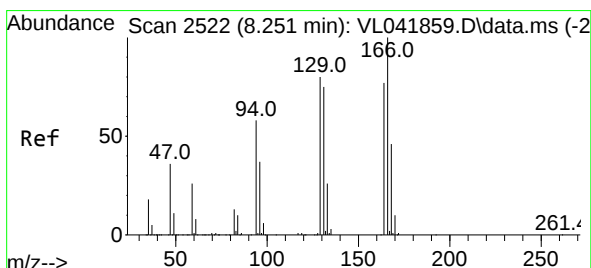
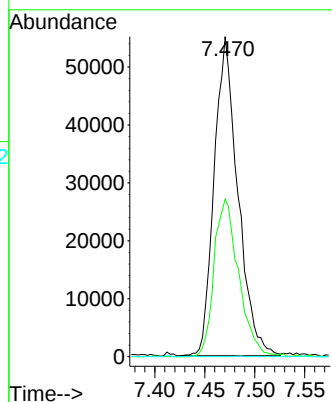
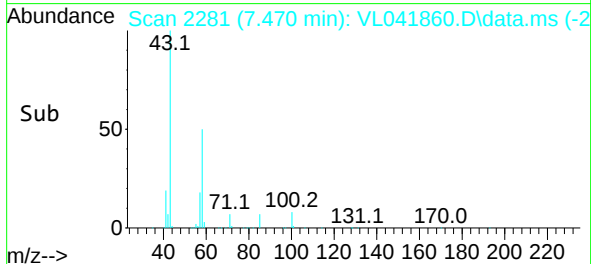
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



Tgt Ion: 43 Resp: 90844  
Ion Ratio Lower Upper  
43 100  
58 51.6 33.8 50.8  
98 0.1 0.7 1.1

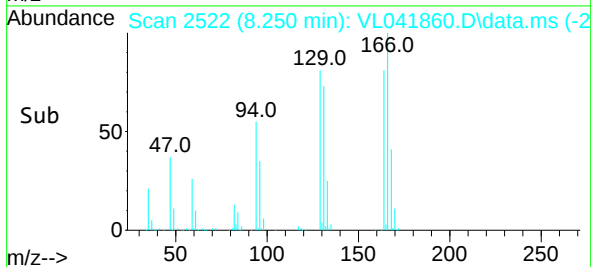
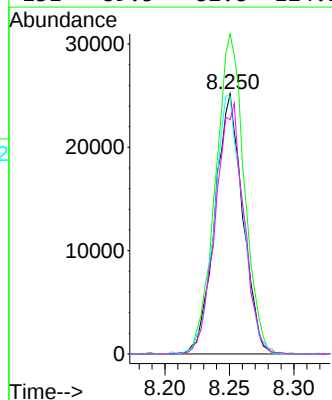
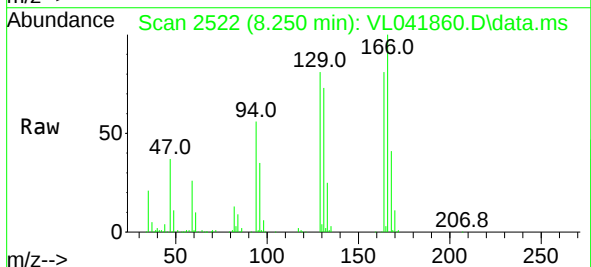
Manual Integrations  
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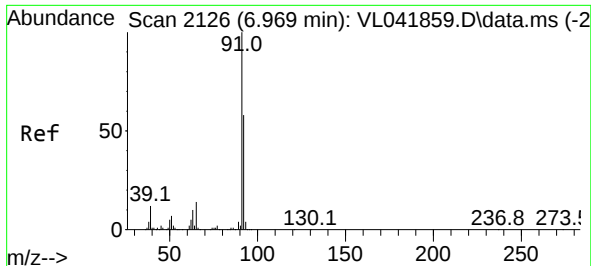
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025



#52  
Tetrachloroethene  
Concen: 3.020 ppbv  
RT: 8.250 min Scan# 2522  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

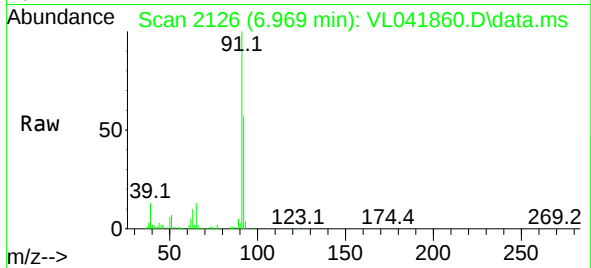
Tgt Ion:164 Resp: 37701  
Ion Ratio Lower Upper  
164 100  
166 123.0 100.4 150.6  
129 99.2 85.9 128.9  
131 89.5 82.8 124.2





#53  
Toluene  
Concen: 3.341 ppbv  
RT: 6.969 min Scan# 2126  
Delta R.T. 0.010 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

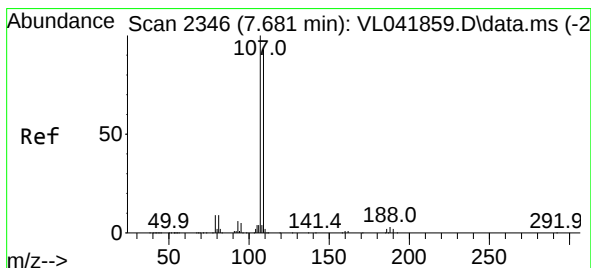
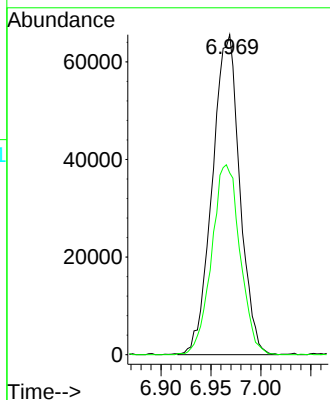
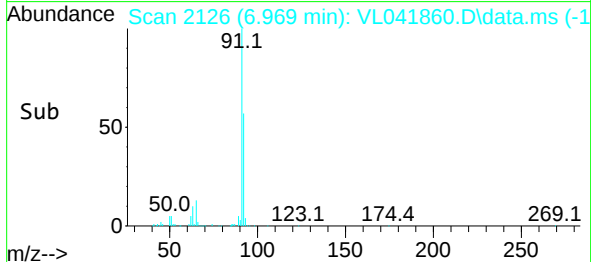
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



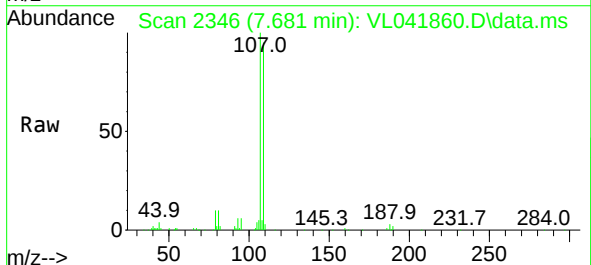
Tgt Ion: 91 Resp: 12529  
Ion Ratio Lower Upper  
91 100  
92 61.4 47.8 71.6

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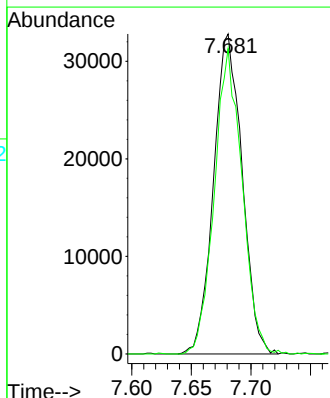
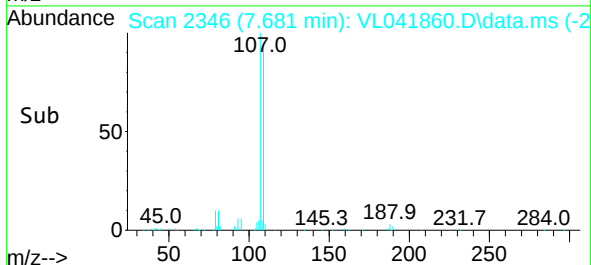
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025

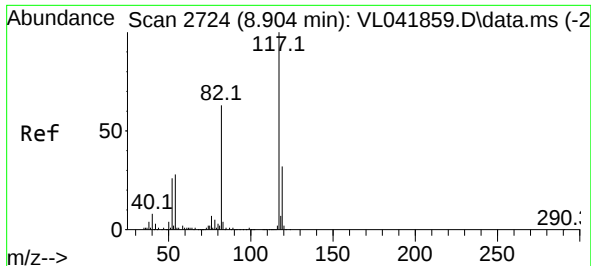


#54  
1,2-Dibromoethane  
Concen: 2.587 ppbv  
RT: 7.681 min Scan# 2346  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52



Tgt Ion:107 Resp: 54562  
Ion Ratio Lower Upper  
107 100  
109 95.4 75.9 113.9





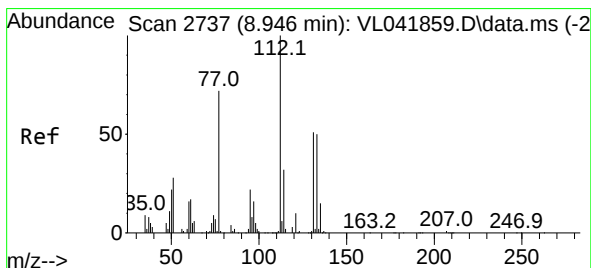
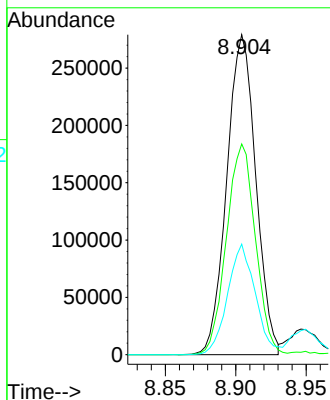
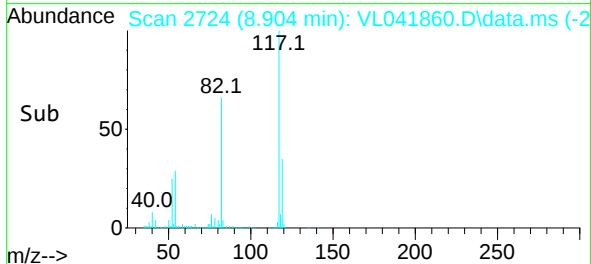
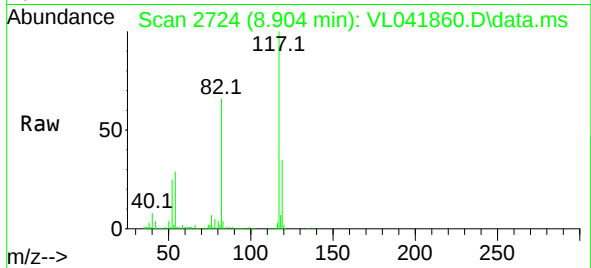
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.904 min Scan# 2724  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

Tgt Ion:117 Resp: 401428  
Ion Ratio Lower Upper  
117 100  
82 66.5 59.1 88.7  
119 33.7 27.3 40.9

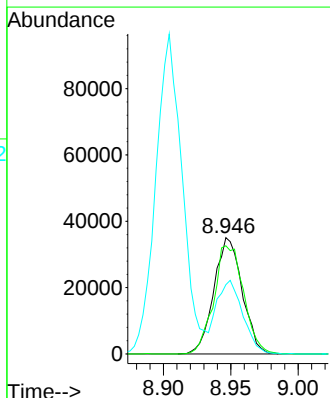
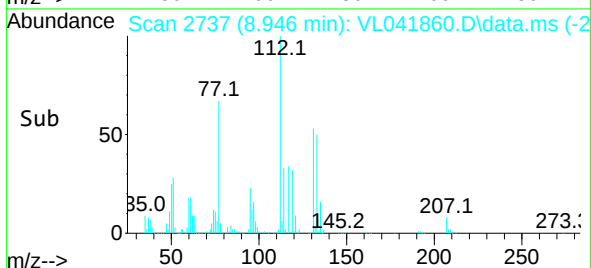
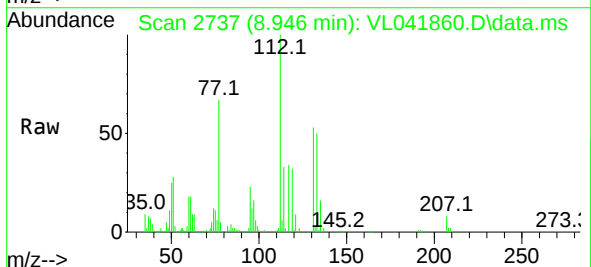
Manual Integrations  
APPROVED

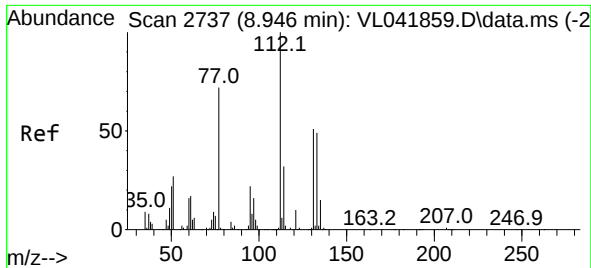
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025



#56  
1,1,1,2-Tetrachloroethane  
Concen: 2.240 ppbv  
RT: 8.946 min Scan# 2737  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

Tgt Ion:131 Resp: 51252  
Ion Ratio Lower Upper  
131 100  
133 98.3 77.3 115.9  
119 61.0 50.6 76.0





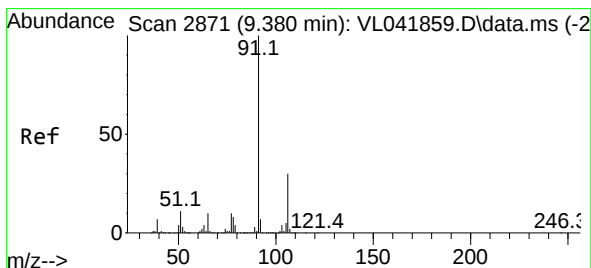
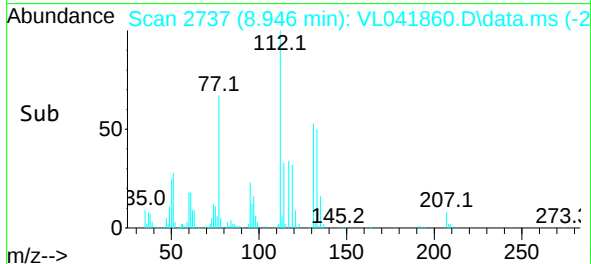
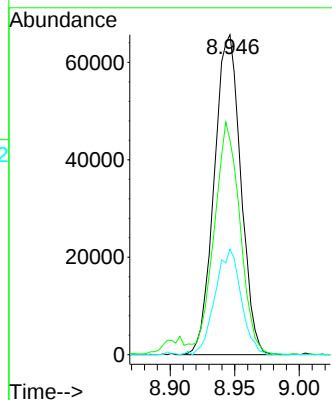
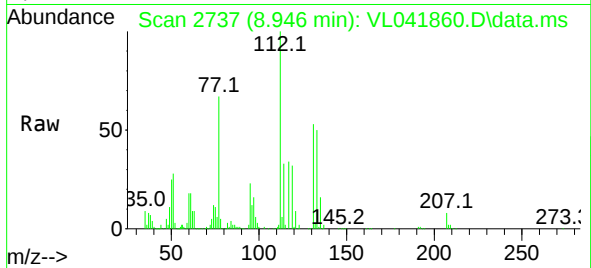
#57  
Chlorobenzene  
Concen: 2.242 ppbv  
RT: 8.946 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

Tgt Ion: 112 Resp: 94000  
Ion Ratio Lower Upper  
112 100  
77 67.0 55.1 82.7  
114 33.0 28.3 34.5

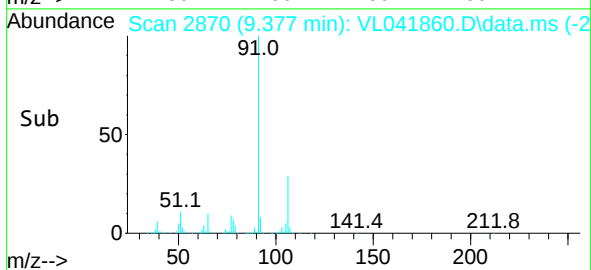
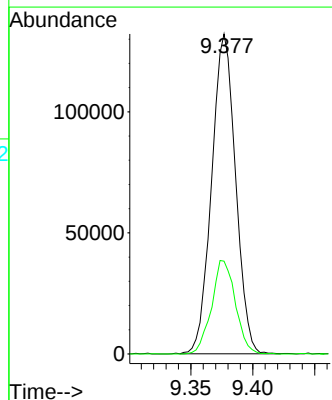
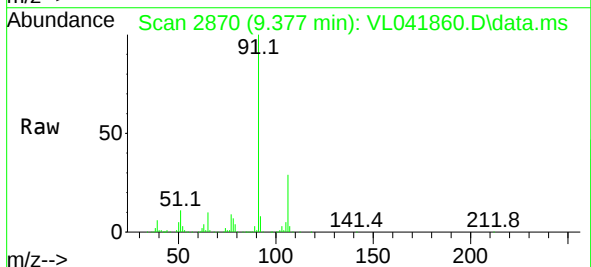
Manual Integrations  
APPROVED

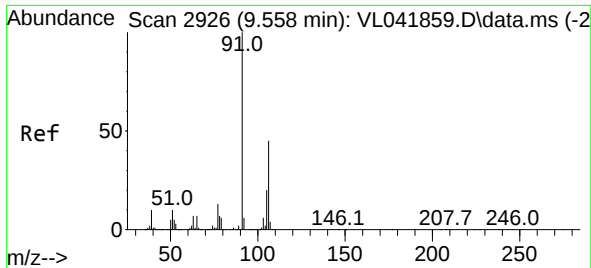
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025



#58  
Ethyl Benzene  
Concen: 3.250 ppbv  
RT: 9.377 min Scan# 2870  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

Tgt Ion: 91 Resp: 177814  
Ion Ratio Lower Upper  
91 100  
106 29.0 23.8 35.8





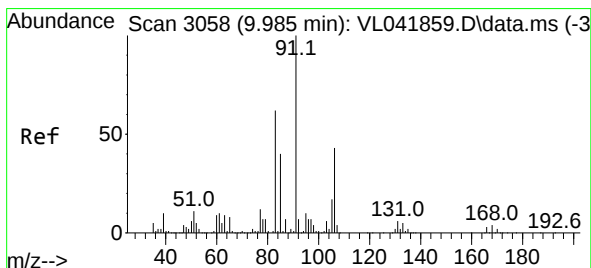
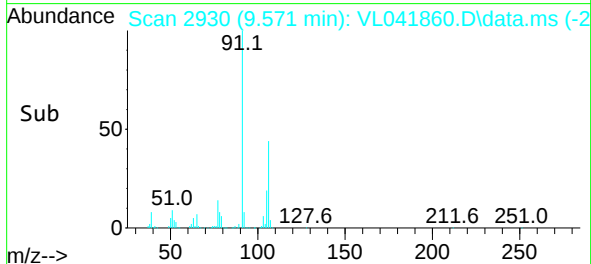
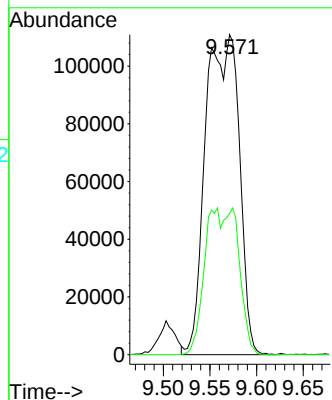
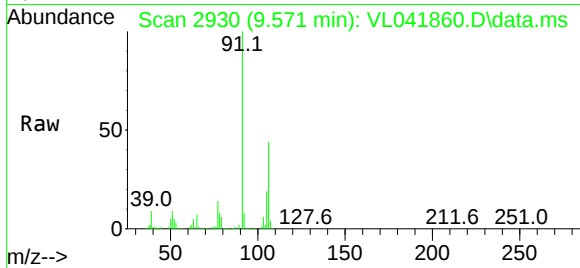
#59  
m/p-Xylene  
Concen: 5.768 ppbv m  
RT: 9.571 min Scan# 2926  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

Tgt Ion: 91 Resp: 278550  
Ion Ratio Lower Upper  
91 100  
106 46.2 36.8 55.2

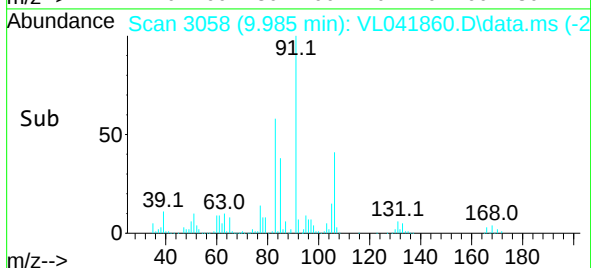
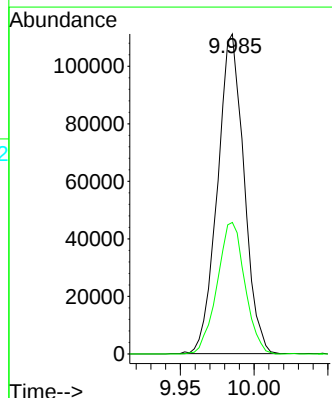
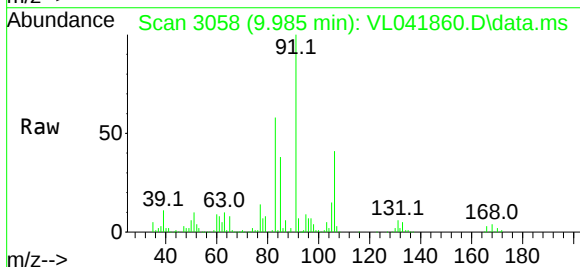
Manual Integrations  
APPROVED

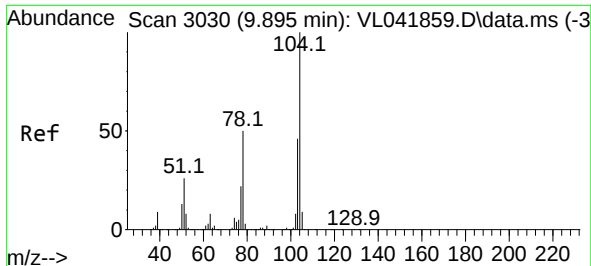
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025



#60  
o-Xylene  
Concen: 2.953 ppbv  
RT: 9.985 min Scan# 3058  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

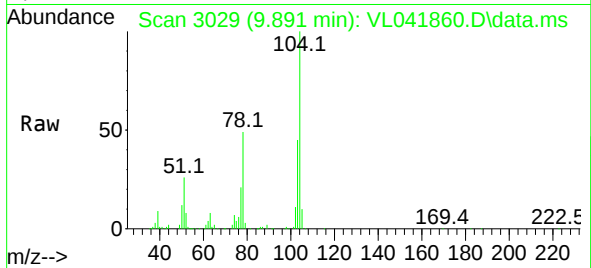
Tgt Ion: 91 Resp: 138722  
Ion Ratio Lower Upper  
91 100  
106 43.1 21.9 65.5





#61  
Styrene  
Concen: 3.779 ppbv  
RT: 9.891 min Scan# 3030  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

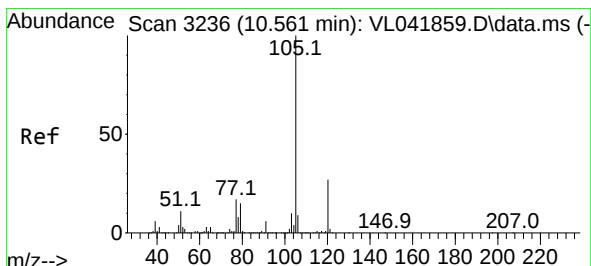
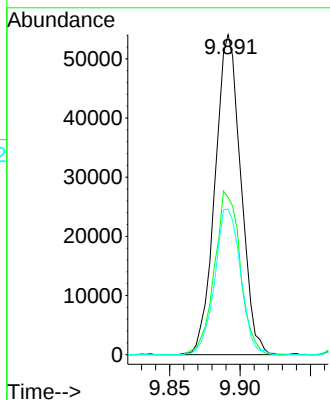
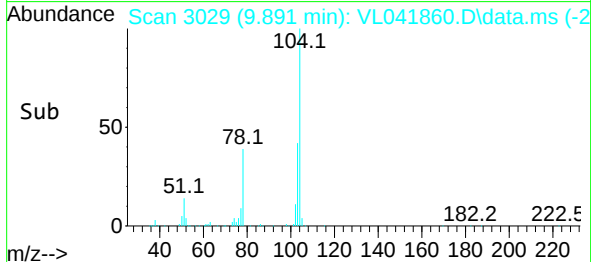
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



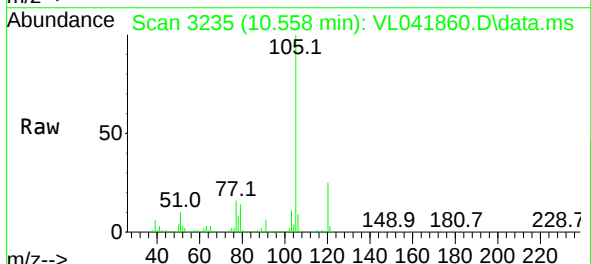
Tgt Ion:104 Resp: 68864  
Ion Ratio Lower Upper  
104 100  
78 50.9 42.8 64.2  
103 46.0 37.8 56.6

Manual Integrations  
APPROVED

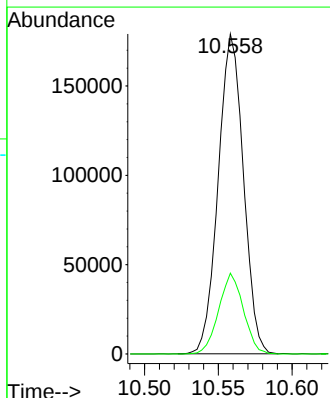
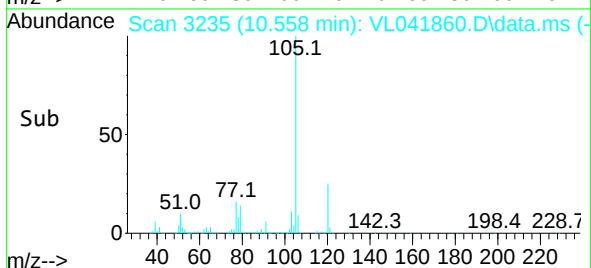
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025

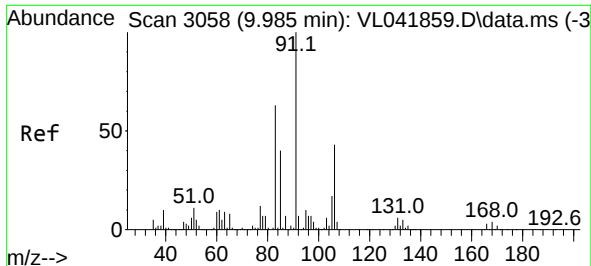


#62  
Isopropylbenzene  
Concen: 2.882 ppbv  
RT: 10.558 min Scan# 3235  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52



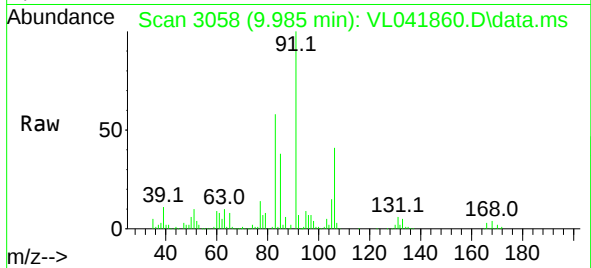
Tgt Ion:105 Resp: 212705  
Ion Ratio Lower Upper  
105 100  
120 24.7 20.4 30.6





#63  
1,1,2,2-Tetrachloroethane  
Concen: 2.012 ppbv  
RT: 9.985 min Scan# 3058  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

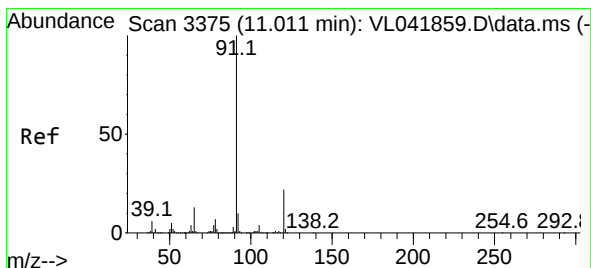
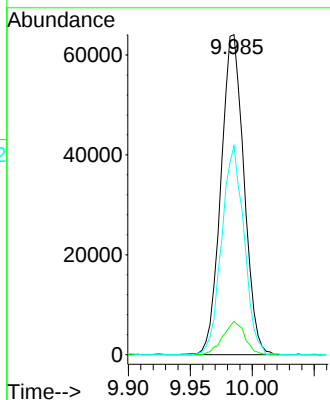
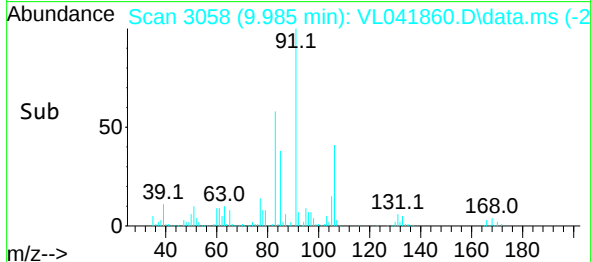
Instrument : MSVOA\_L  
ClientSampleId : VSTDIC002



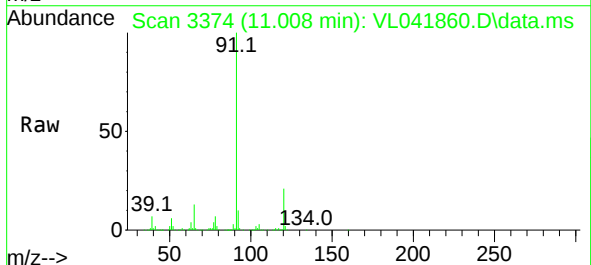
Tgt Ion: 83 Resp: 82870  
Ion Ratio Lower Upper  
83 100  
131 10.0 4.8 14.3  
85 63.5 31.9 95.9

Manual Integrations  
APPROVED

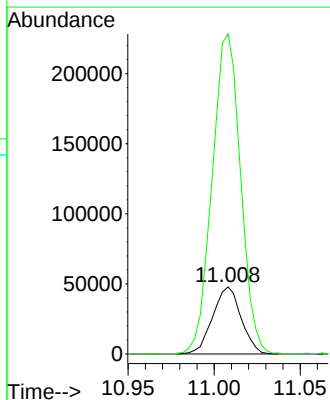
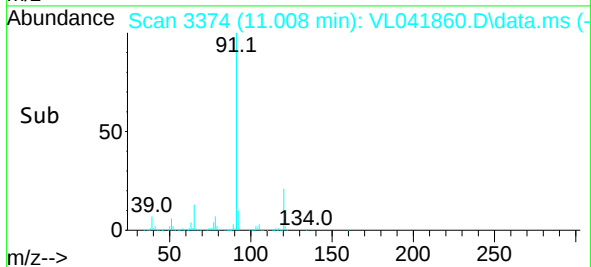
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025

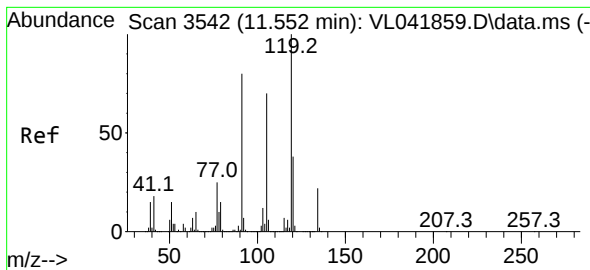


#64  
n-propylbenzene  
Concen: 2.899 ppbv  
RT: 11.008 min Scan# 3374  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52



Tgt Ion:120 Resp: 54888  
Ion Ratio Lower Upper  
120 100  
91 478.6 382.1 573.1





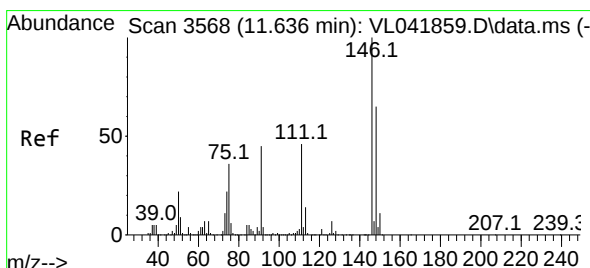
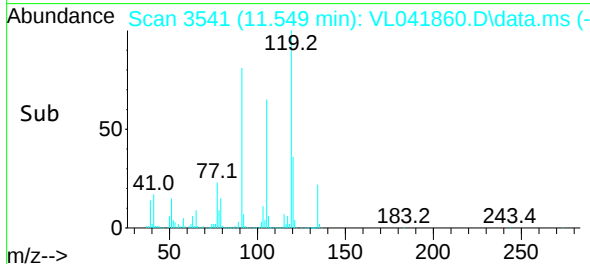
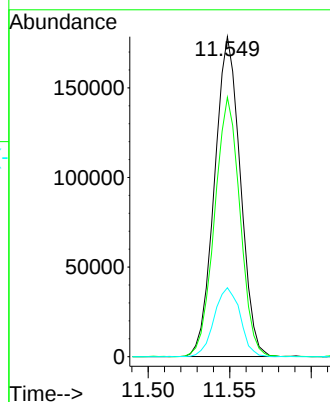
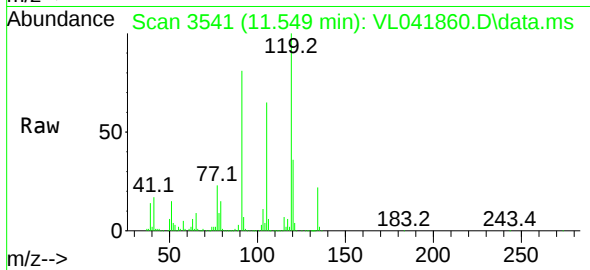
#65  
tert-Butylbenzene  
Concen: 2.957 ppbv  
RT: 11.549 min Scan# 3541  
Delta R.T. 0.003 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 79.8  | 68.0  | 102.0 |
| 134     | 21.7  | 16.2  | 24.4  |

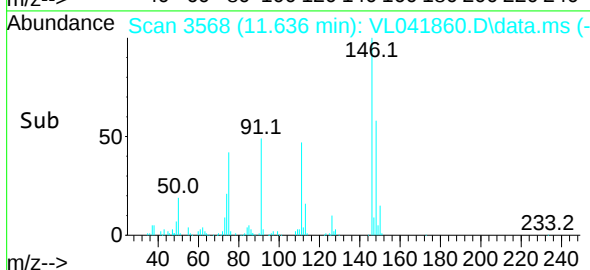
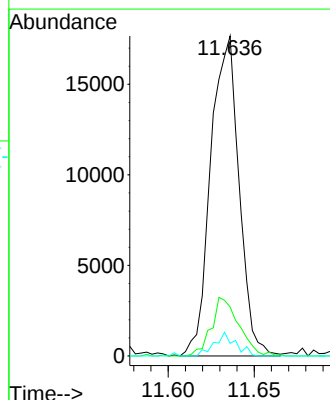
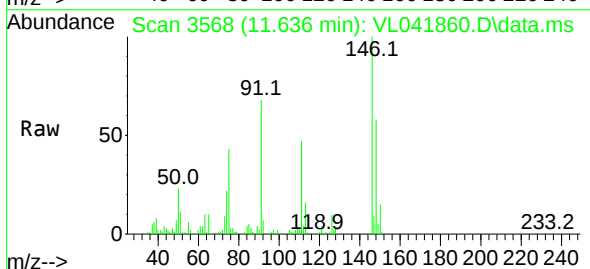
Manual Integrations  
APPROVED

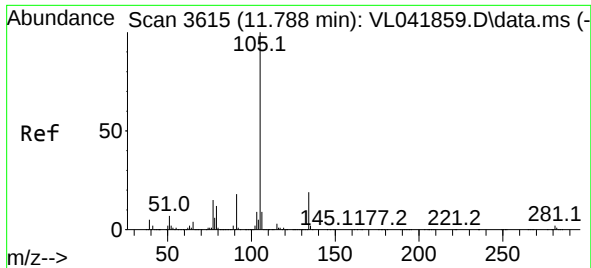
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025



#66  
Benzyl Chloride  
Concen: 3.652 ppbv  
RT: 11.636 min Scan# 3568  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

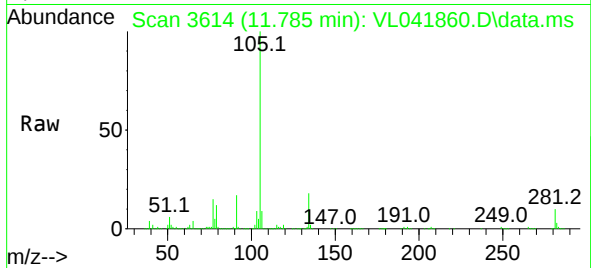
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 17.8  | 12.1  | 18.1  |
| 128     | 5.6   | 4.3   | 6.5   |





#67  
 sec-Butylbenzene  
 Concen: 2.787 ppbv  
 RT: 11.785 min Scan# 3614  
 Delta R.T. 0.003 min  
 Lab File: VL041860.D  
 Acq: 09 Jan 2025 11:52

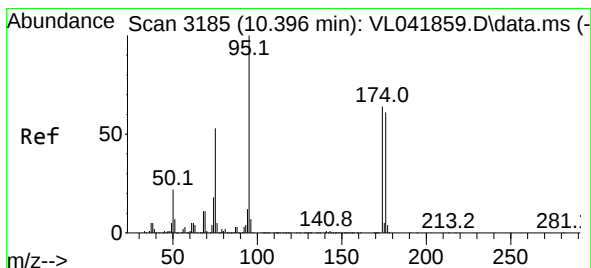
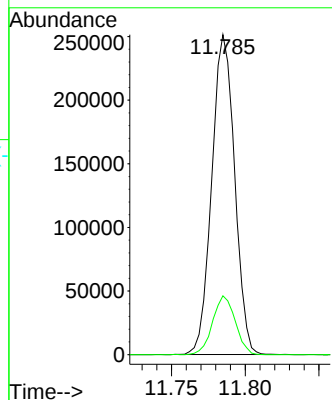
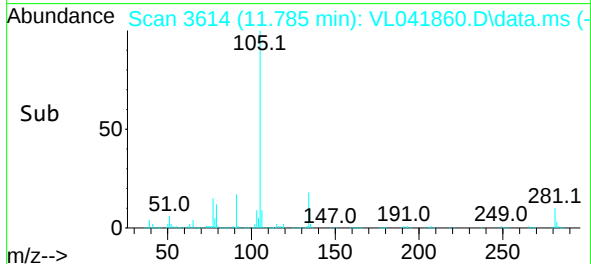
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC002



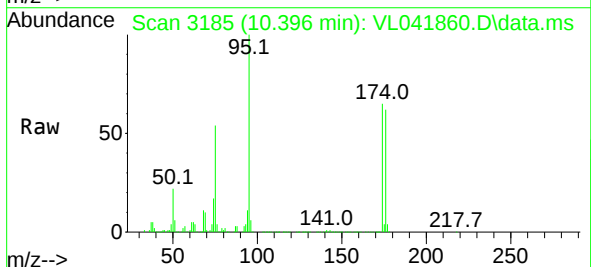
Tgt Ion:105 Resp: 270495  
 Ion Ratio Lower Upper  
 105 100  
 134 18.3 14.6 22.0

Manual Integrations  
 APPROVED

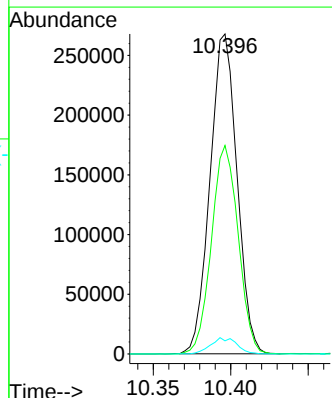
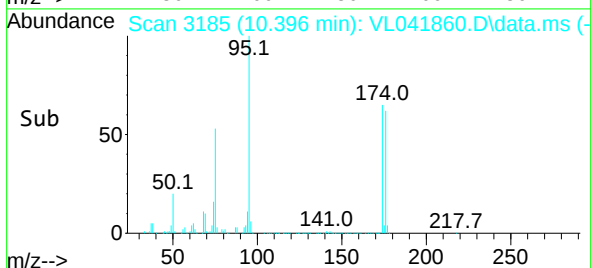
Reviewed By :Mahesh Dadoda 01/10/2025  
 Supervised By :Semsettin Yesilyurt 01/10/2025

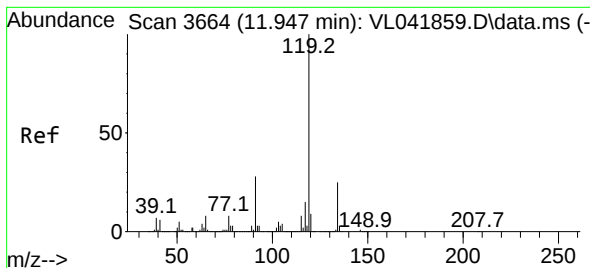


#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.445 ppbv  
 RT: 10.396 min Scan# 3185  
 Delta R.T. 0.006 min  
 Lab File: VL041860.D  
 Acq: 09 Jan 2025 11:52



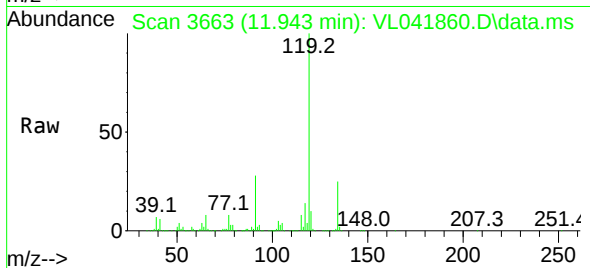
Tgt Ion: 95 Resp: 324737  
 Ion Ratio Lower Upper  
 95 100  
 174 64.6 47.6 71.4  
 175 5.0 3.8 5.6





#69  
p-Isopropyltoluene  
Concen: 3.015 ppbv  
RT: 11.943 min Scan# 3663  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

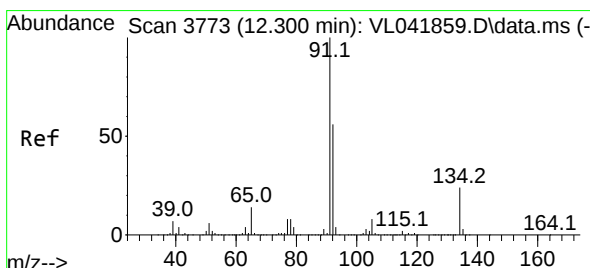
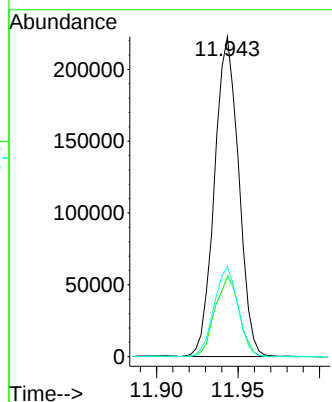
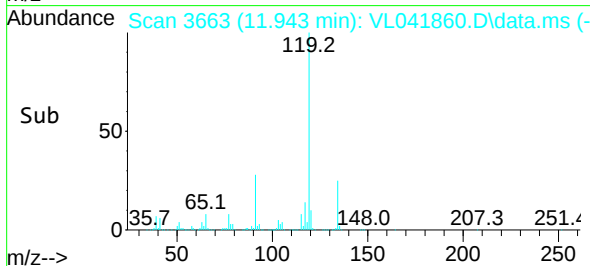
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002



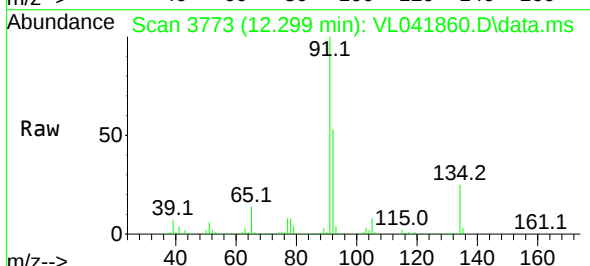
Tgt Ion:119 Resp: 22973  
Ion Ratio Lower Upper  
119 100  
134 25.2 19.4 29.2  
91 28.2 24.0 36.0

Manual Integrations  
APPROVED

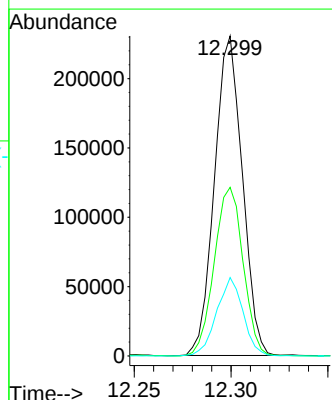
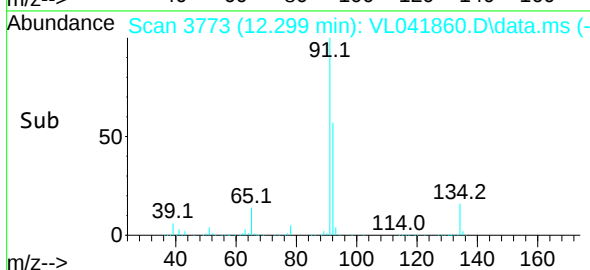
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025

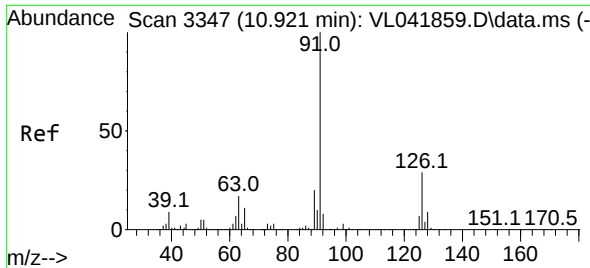


#70  
n-Butylbenzene  
Concen: 3.011 ppbv  
RT: 12.299 min Scan# 3773  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52



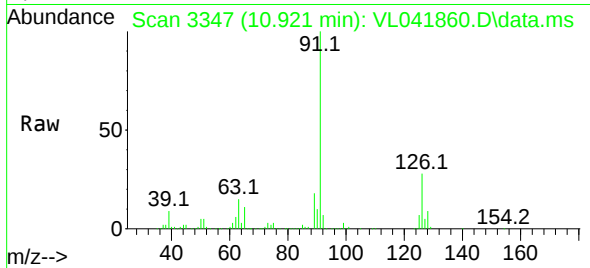
Tgt Ion: 91 Resp: 230497  
Ion Ratio Lower Upper  
91 100  
92 54.9 42.8 64.2  
134 23.5 17.8 26.6





#71  
2-Chlorotoluene  
Concen: 3.021 ppbv  
RT: 10.921 min Scan# 3347  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

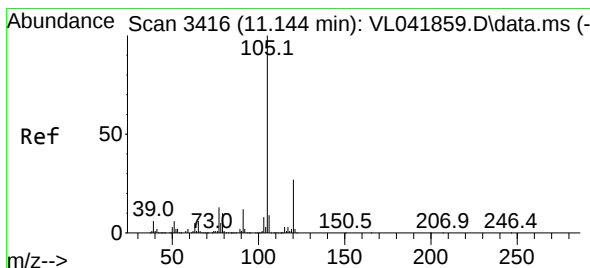
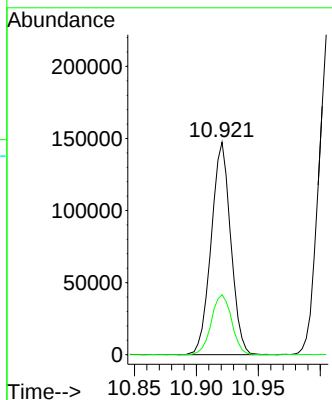
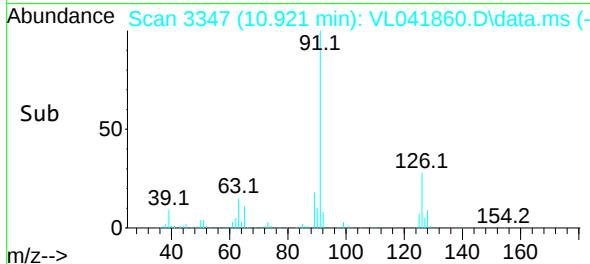
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002



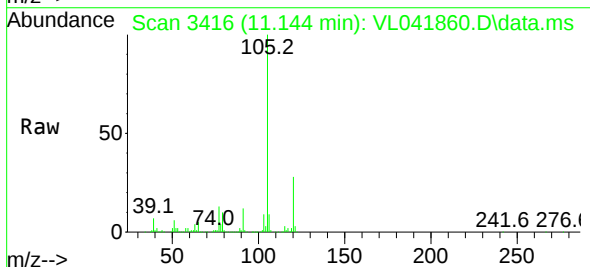
Tgt Ion: 91 Resp: 161864  
Ion Ratio Lower Upper  
91 100  
126 29.4 11.6 46.6

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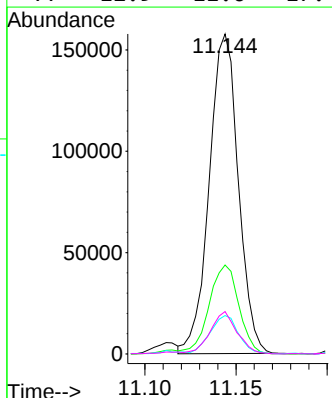
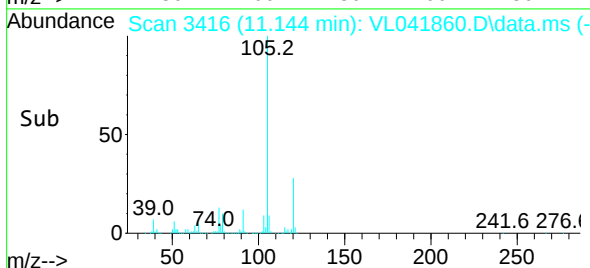
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025

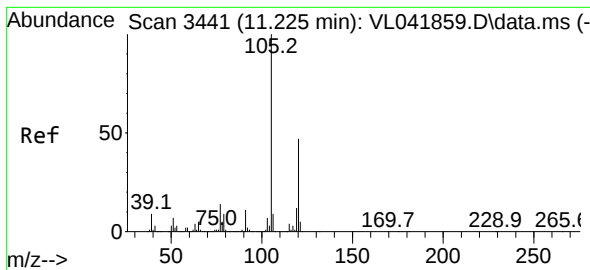


#72  
4-Ethyltoluene  
Concen: 3.083 ppbv  
RT: 11.144 min Scan# 3416  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52



Tgt Ion:105 Resp: 175142  
Ion Ratio Lower Upper  
105 100  
120 29.3 23.4 35.2  
91 12.4 10.8 16.2  
77 12.9 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 2.953 ppbv

RT: 11.222 min Scan# 3441

Delta R.T. 0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC002

Tgt Ion:105 Resp: 14692

Ion Ratio Lower Upper

105 100

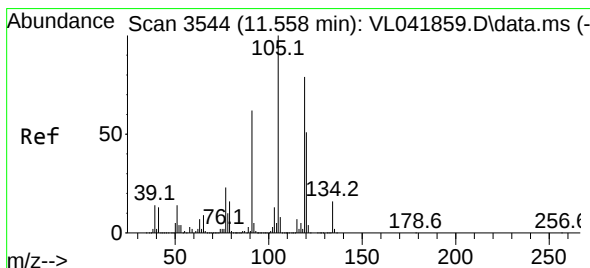
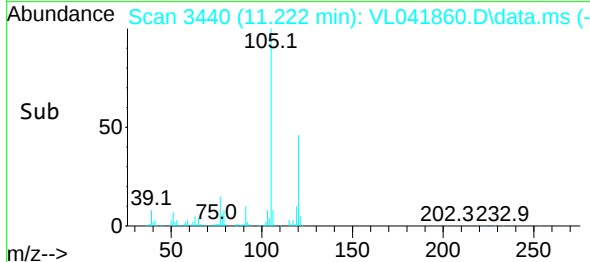
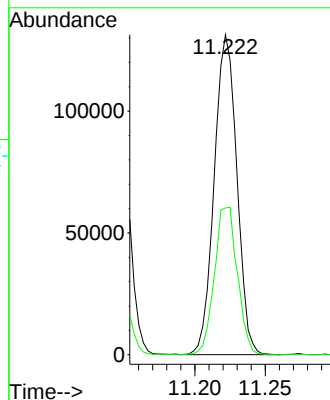
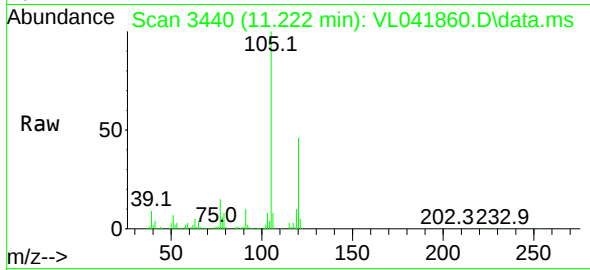
120 45.9 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#74

1,2,4-Trimethylbenzene

Concen: 2.845 ppbv

RT: 11.555 min Scan# 3543

Delta R.T. 0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Tgt Ion:105 Resp: 163980

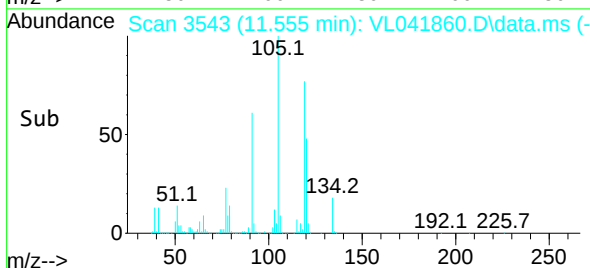
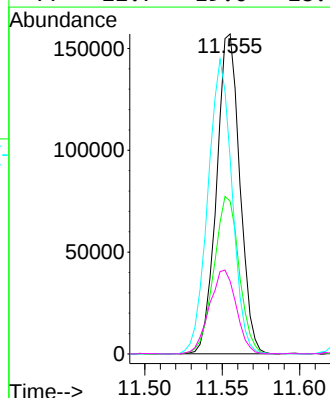
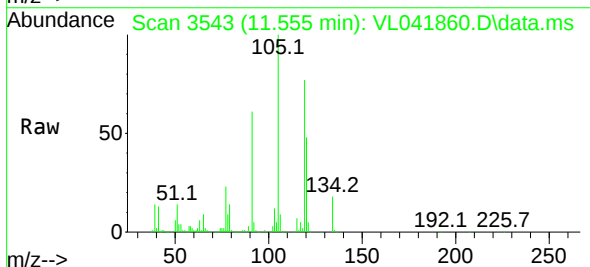
Ion Ratio Lower Upper

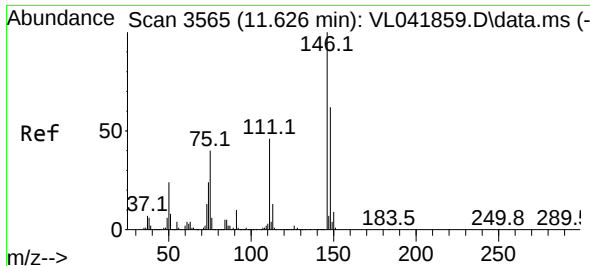
105 100

120 47.6 37.4 56.0

91 61.0 47.4 71.2

77 22.7 19.0 28.6





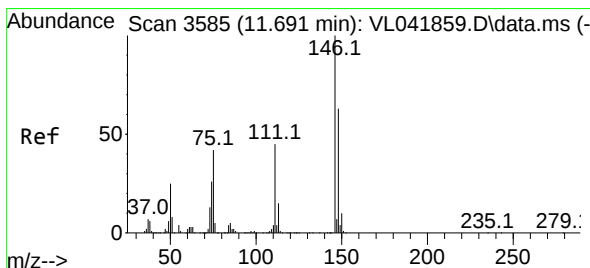
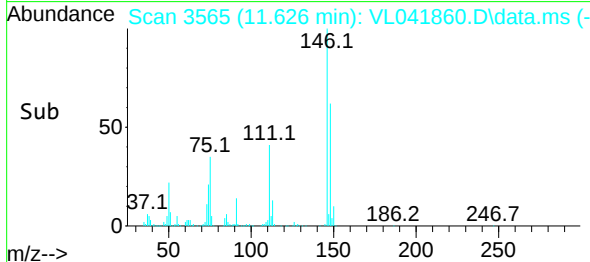
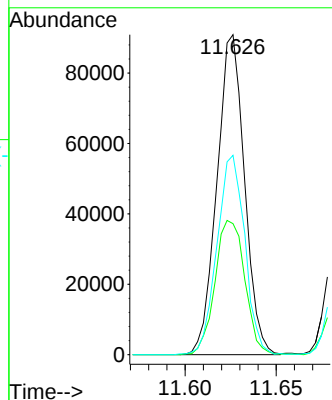
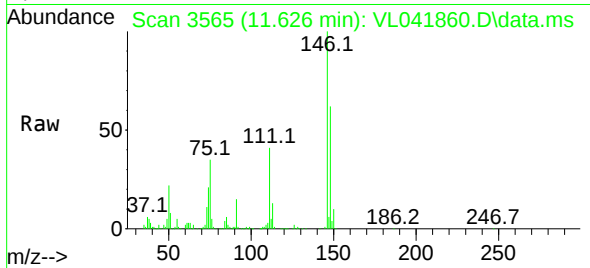
#75  
1,3-Dichlorobenzene  
Concen: 2.480 ppbv  
RT: 11.626 min Scan# 3565  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDICC002

Tgt Ion:146 Resp: 95654  
Ion Ratio Lower Upper  
146 100  
111 45.4 24.1 72.2  
148 63.0 32.0 96.0

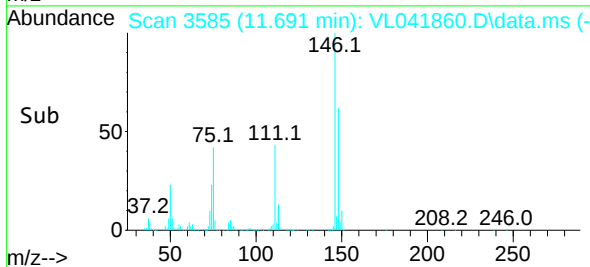
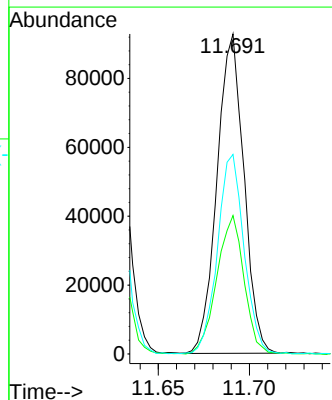
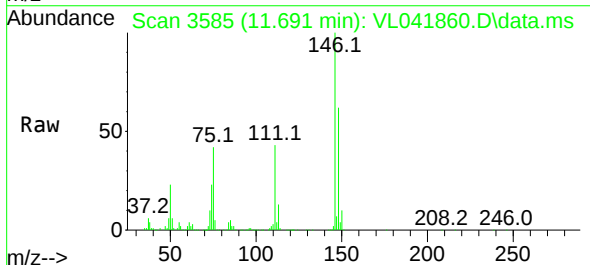
Manual Integrations  
APPROVED

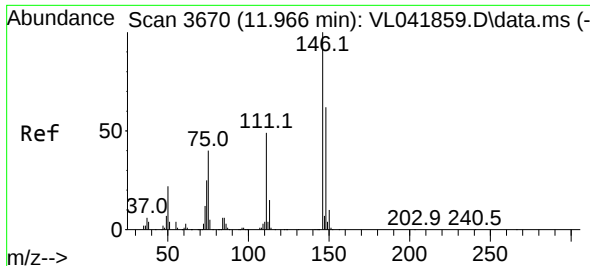
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025



#76  
1,4-Dichlorobenzene  
Concen: 2.564 ppbv  
RT: 11.691 min Scan# 3585  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

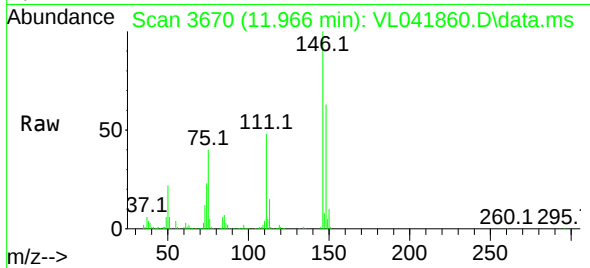
Tgt Ion:146 Resp: 95164  
Ion Ratio Lower Upper  
146 100  
111 43.9 23.2 69.6  
148 62.3 32.1 96.3





#77  
1,2-Dichlorobenzene  
Concen: 2.240 ppbv  
RT: 11.966 min Scan# 3670  
Delta R.T. 0.006 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

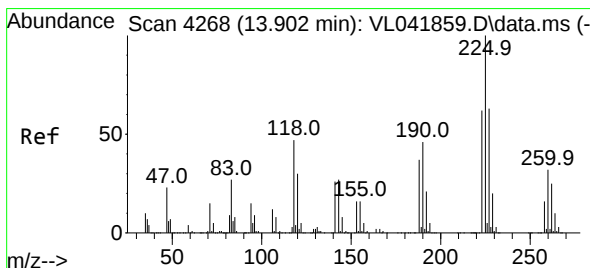
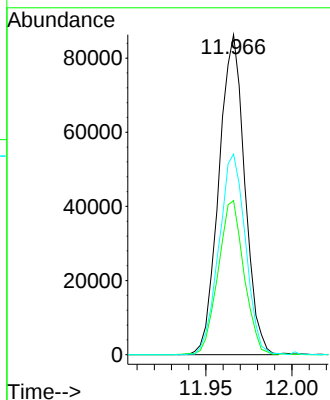
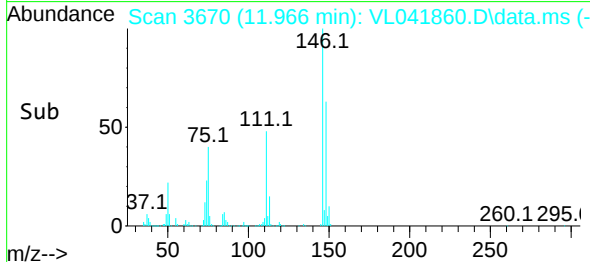
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC002



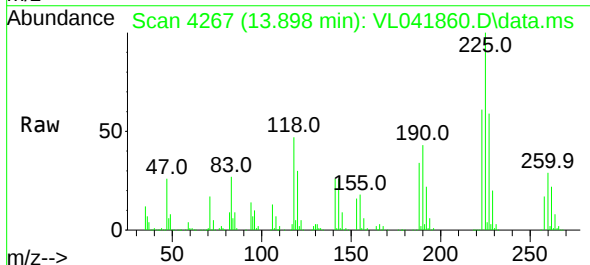
Tgt Ion:146 Resp: 9004  
Ion Ratio Lower Upper  
146 100  
111 48.3 24.7 74.1  
148 64.7 31.5 94.5

Manual Integrations  
APPROVED

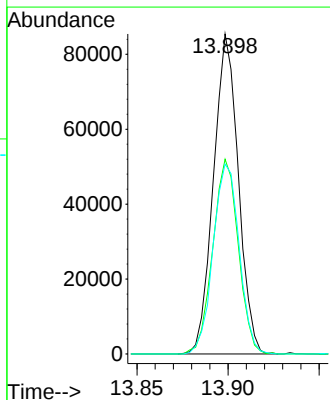
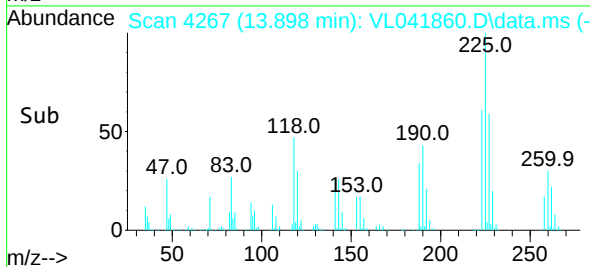
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025

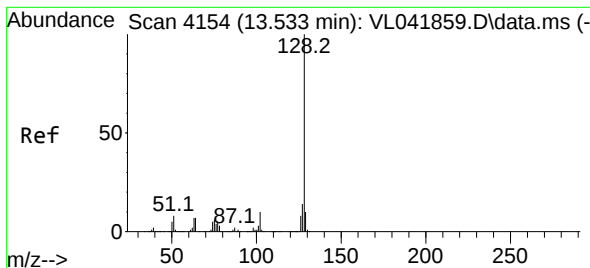


#78  
Hexachloro-1,3-Butadiene  
Concen: 2.839 ppbv  
RT: 13.898 min Scan# 4267  
Delta R.T. 0.003 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52



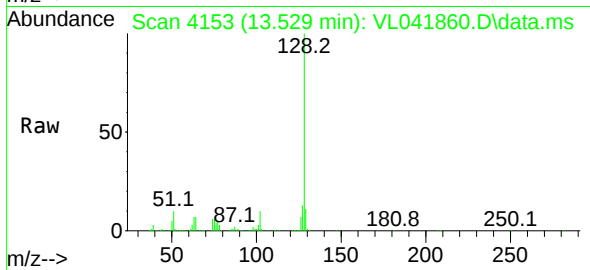
Tgt Ion:225 Resp: 81017  
Ion Ratio Lower Upper  
225 100  
223 62.4 50.4 75.6  
227 62.2 51.2 76.8





#79  
Naphthalene  
Concen: 4.280 ppbv  
RT: 13.529 min Scan# 4153  
Delta R.T. 0.003 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52

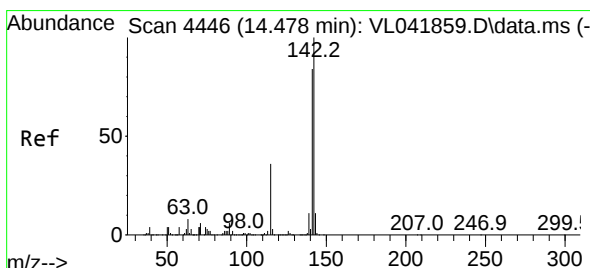
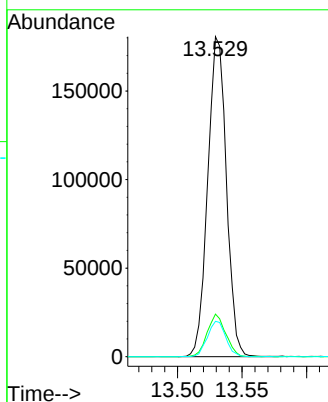
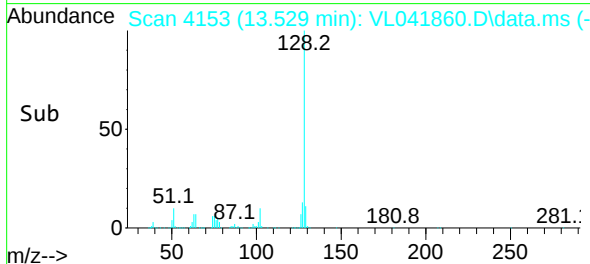
Instrument : MSVOA\_L  
ClientSampleId : VSTDIC002



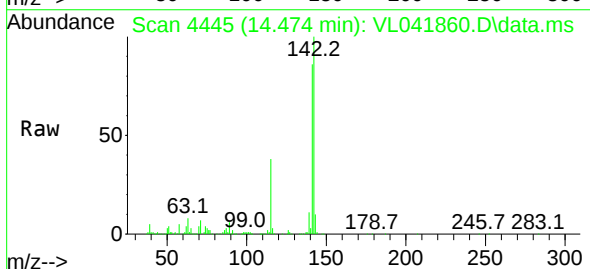
Tgt Ion:128 Resp: 18170  
Ion Ratio Lower Upper  
128 100  
127 13.3 10.5 15.7  
129 11.0 8.2 12.4

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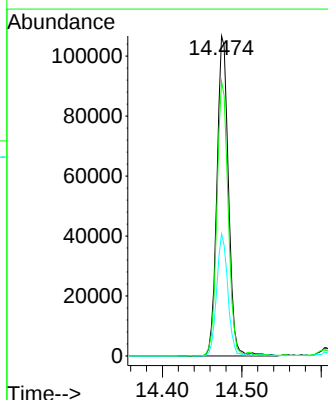
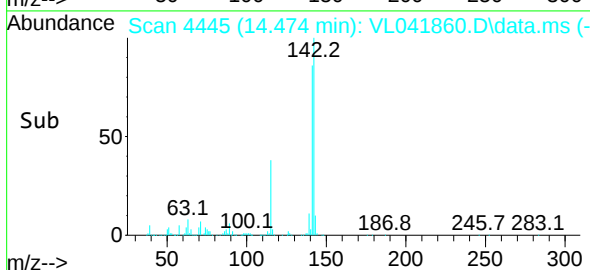
Reviewed By :Mahesh Dadoda 01/10/2025  
Supervised By :Semsettin Yesilyurt 01/10/2025

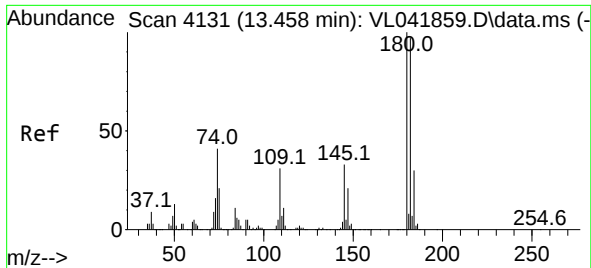


#80  
Naphthalene,2-methyl-  
Concen: 6.825 ppbv  
RT: 14.474 min Scan# 4445  
Delta R.T. 0.003 min  
Lab File: VL041860.D  
Acq: 09 Jan 2025 11:52



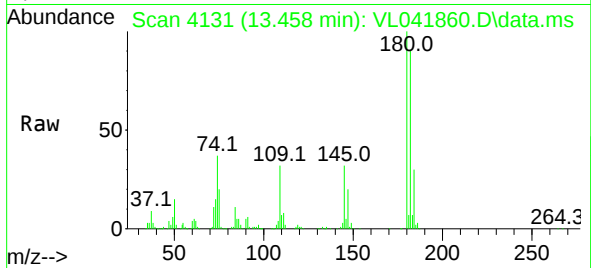
Tgt Ion:142 Resp: 107237  
Ion Ratio Lower Upper  
142 100  
141 84.7 67.8 101.6  
115 36.9 32.7 49.1





#81  
 1,2,4-Trichlorobenzene  
 Concen: 3.689 ppbv  
 RT: 13.458 min Scan# 4131  
 Delta R.T. 0.003 min  
 Lab File: VL041860.D  
 Acq: 09 Jan 2025 11:52

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC002



Tgt Ion:180 Resp: 8680  
 Ion Ratio Lower Upper  
 180 100  
 182 95.5 75.9 113.9  
 184 30.5 24.8 37.2

Manual Integrations  
 APPROVED

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

