

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL050525\  
 Data File : VL042471.D  
 Acq On : 05 May 2025 10:07  
 Operator : SY/MD  
 Sample : VL0505ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0505ABS01

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/06/2025  
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:39:20 2025

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

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

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

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.787 | 49   | 73094    | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.959 | 114  | 206118   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.885 | 117  | 177063   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 168649 10.273 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.700%

Target Compounds

|                               |       |     |         |        |        | Qvalue |
|-------------------------------|-------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 124629  | 10.303 | ppbv   | 97     |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 121193  | 9.477  | ppbv   | 100    |
| 4) Chloromethane              | 1.531 | 50  | 48459   | 9.585  | ppbv   | 97     |
| 5) Vinyl Chloride             | 1.580 | 62  | 48263   | 9.482  | ppbv   | 97     |
| 6) Bromomethane               | 1.667 | 94  | 24122   | 10.030 | ppbv   | 89     |
| 7) Chloroethane               | 1.703 | 64  | 19046   | 10.134 | ppbv   | 97     |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 103007  | 10.330 | ppbv   | 99     |
| 9) Propene                    | 1.483 | 41  | 38988   | 9.321  | ppbv   | 99     |
| 10) Heptane                   | 4.985 | 43  | 105620m | 9.734  | ppbv   |        |
| 11) Trichlorofluoromethane    | 1.878 | 101 | 115696  | 10.365 | ppbv   | 100    |
| 12) 1,1,2-Trichlorotrifluo... | 2.140 | 101 | 90819   | 10.191 | ppbv   | 99     |
| 13) Ethanol                   | 1.722 | 45  | 5973    | 7.037  | ppbv   | 99     |
| 14) Bromoethene               | 1.780 | 108 | 33388   | 10.148 | ppbv   | 98     |
| 15) Acetone                   | 1.835 | 43  | 106709  | 7.997  | ppbv   | 99     |
| 16) 1,3-Butadiene             | 1.609 | 39  | 57359   | 9.746  | ppbv   | 99     |
| 17) tert-Butyl alcohol        | 2.039 | 59  | 117319  | 9.980  | ppbv   | 98     |
| 18) 1,1-Dichloroethene        | 2.033 | 96  | 41229   | 9.907  | ppbv   | 98     |
| 19) Isopropyl Alcohol         | 1.887 | 45  | 70522   | 9.550  | ppbv   | 100    |
| 20) Methylene Chloride        | 2.062 | 84  | 35706   | 8.901  | ppbv   | 94     |
| 21) Allyl Chloride            | 2.094 | 41  | 84722   | 9.873  | ppbv   | 98     |
| 22) trans-1,2-Dichloroethene  | 2.340 | 96  | 46305   | 9.528  | ppbv   | 95     |
| 23) Vinyl Acetate             | 2.463 | 43  | 130023  | 10.210 | ppbv # | 97     |
| 24) 1,1-Dichloroethane        | 2.408 | 63  | 98989   | 9.984  | ppbv   | 99     |
| 25) Ethyl Acetate             | 2.836 | 43  | 207844  | 9.728  | ppbv   | 100    |
| 26) Hexane                    | 2.826 | 57  | 90030   | 9.673  | ppbv   | 98     |
| 27) Carbon Disulfide          | 2.149 | 76  | 115286  | 10.614 | ppbv   | 94     |
| 28) Methyl tert-Butyl Ether   | 2.441 | 73  | 58319   | 10.429 | ppbv   | 100    |
| 29) Chloroform                | 2.849 | 83  | 168484  | 9.660  | ppbv   | 98     |
| 30) Cyclohexane               | 3.858 | 84  | 78428   | 10.078 | ppbv   | 97     |
| 31) cis-1,2-Dichloroethene    | 2.722 | 61  | 104191  | 9.595  | ppbv   | 97     |
| 32) 1,1,1-Trichloroethane     | 3.370 | 97  | 182273  | 9.632  | ppbv   | 99     |
| 34) 2-Butanone                | 2.557 | 43  | 133597  | 8.961  | ppbv   | 95     |
| 35) Carbon Tetrachloride      | 3.761 | 117 | 188916  | 10.090 | ppbv   | 95     |
| 36) Benzene                   | 3.661 | 78  | 188320  | 9.682  | ppbv   | 97     |
| 37) 1,2-Dichloroethane        | 3.221 | 62  | 145347  | 9.695  | ppbv   | 100    |
| 38) Trichloroethene           | 4.548 | 130 | 74307m  | 10.017 | ppbv   |        |
| 39) 1,2-Dichloropropane       | 4.315 | 63  | 66905   | 9.188  | ppbv   | 88     |
| 40) 1,4-Dioxane               | 4.580 | 88  | 31401   | 9.209  | ppbv # | 100    |
| 41) Tetrahydrofuran           | 3.056 | 42  | 66257   | 9.351  | ppbv   | 97     |
| 42) Bromodichloromethane      | 4.489 | 83  | 189214  | 10.330 | ppbv   | 93     |
| 43) Methyl Methacrylate       | 4.881 | 69  | 74953   | 10.326 | ppbv   | 97     |
| 44) 2,2,4-Trimethylpentane    | 4.642 | 57  | 307008  | 9.737  | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 6.415 | 75  | 103231  | 10.841 | ppbv   | 98     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL050525\  
 Data File : VL042471.D  
 Acq On : 05 May 2025 10:07  
 Operator : SY/MD  
 Sample : VL0505ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0505ABS01

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2025  
 Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:39:20 2025

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

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

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

Response via : Initial Calibration

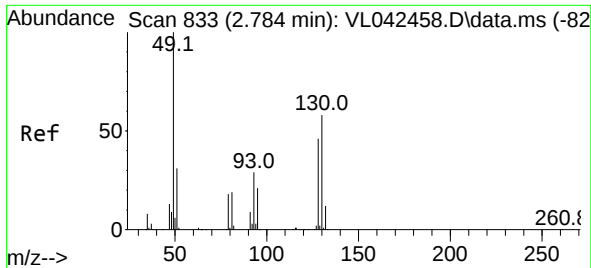
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.603  | 75   | 116725   | 10.313 | ppbv   | 95       |
| 47) 1,1,2-Trichloroethane     | 6.584  | 97   | 77049    | 9.648  | ppbv # | 92       |
| 48) Dibromochloromethane      | 7.390  | 129  | 138518   | 10.274 | ppbv   | 97       |
| 49) Bromoform                 | 9.487  | 173  | 114364   | 10.115 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.752  | 43   | 177898   | 9.433  | ppbv   | 99       |
| 51) 2-Hexanone                | 7.438  | 43   | 145213   | 9.631  | ppbv   | 98       |
| 52) Tetrachloroethene         | 8.228  | 164  | 67191    | 9.076  | ppbv   | 86       |
| 53) Toluene                   | 6.936  | 91   | 214815   | 10.434 | ppbv   | 98       |
| 54) 1,2-Dibromoethane         | 7.655  | 107  | 117449   | 9.619  | ppbv   | 97       |
| 56) 1,1,1,2-Tetrachloroethane | 8.927  | 131  | 103494   | 9.897  | ppbv   | 98       |
| 57) Chlorobenzene             | 8.924  | 112  | 168941   | 9.495  | ppbv   | 94       |
| 58) Ethyl Benzene             | 9.357  | 91   | 312698   | 10.568 | ppbv   | 96       |
| 59) m/p-Xylene                | 9.552  | 91   | 532663m  | 21.473 | ppbv   |          |
| 60) o-Xylene                  | 9.966  | 91   | 267198   | 10.758 | ppbv   | 100      |
| 61) Styrene                   | 9.875  | 104  | 103232   | 11.138 | ppbv   | 97       |
| 62) Isopropylbenzene          | 10.542 | 105  | 380840   | 10.630 | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.966  | 83   | 155457   | 9.079  | ppbv   | 100      |
| 64) n-propylbenzene           | 10.992 | 120  | 93814    | 10.714 | ppbv   | 94       |
| 65) tert-Butylbenzene         | 11.532 | 119  | 342014   | 10.697 | ppbv   | 97       |
| 66) Benzyl Chloride           | 11.620 | 91   | 45711    | 12.370 | ppbv   | 98       |
| 67) sec-Butylbenzene          | 11.769 | 105  | 480000   | 10.565 | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 11.927 | 119  | 412889   | 10.786 | ppbv   | 99       |
| 70) n-Butylbenzene            | 12.283 | 91   | 425652   | 10.756 | ppbv   | 98       |
| 71) 2-Chlorotoluene           | 10.905 | 91   | 301813   | 10.741 | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 11.128 | 105  | 326835   | 11.161 | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 11.206 | 105  | 280716   | 10.900 | ppbv   | 97       |
| 74) 1,2,4-Trimethylbenzene    | 11.539 | 105  | 316052   | 10.143 | ppbv   | 99       |
| 75) 1,3-Dichlorobenzene       | 11.610 | 146  | 174274   | 10.046 | ppbv   | 97       |
| 76) 1,4-Dichlorobenzene       | 11.675 | 146  | 174860   | 10.651 | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 11.950 | 146  | 166423   | 9.801  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 13.882 | 225  | 153156   | 9.032  | ppbv   | 99       |
| 79) Naphthalene               | 13.513 | 128  | 286218   | 10.911 | ppbv   | 97       |
| 80) Naphthalene,2-methyl-     | 14.458 | 142  | 232641   | 11.932 | ppbv   | 99       |
| 81) 1,2,4-Trichlorobenzene    | 13.442 | 180  | 147081   | 10.513 | ppbv   | 99       |

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

## Manual Integrations

Quant Time: May 06 01:39:20 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL050125AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug  
QLast Update : Fri May 02 03:16:31 2025  
Response via : Initial Calibration





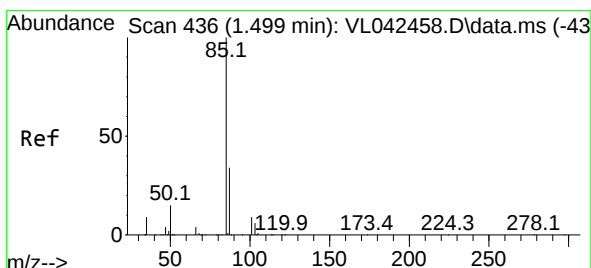
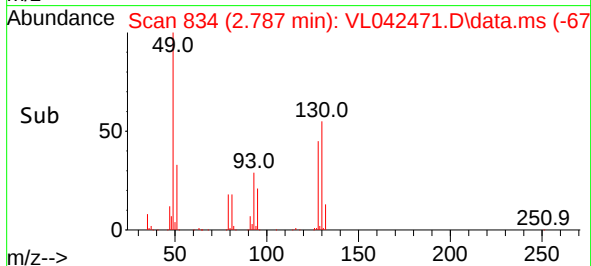
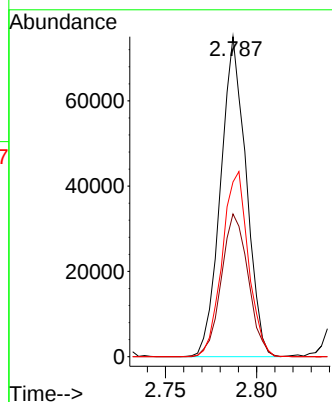
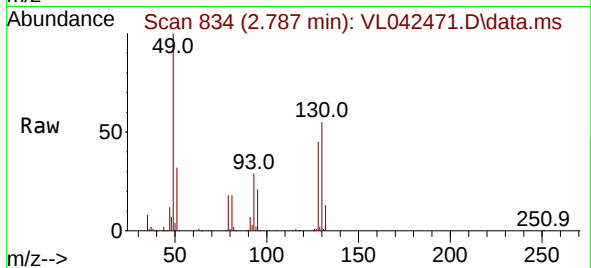
#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.787 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0505ABS01

Tgt Ion: 49 Resp: 73094  
Ion Ratio Lower Upper  
49 100  
128 46.9 23.3 69.9  
130 59.3 29.5 88.6

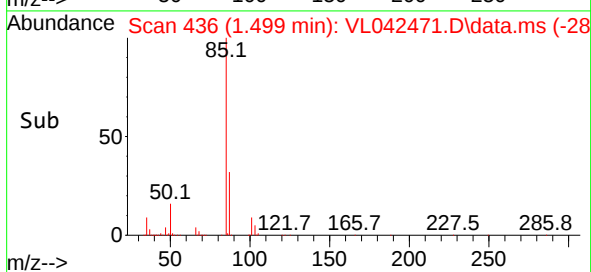
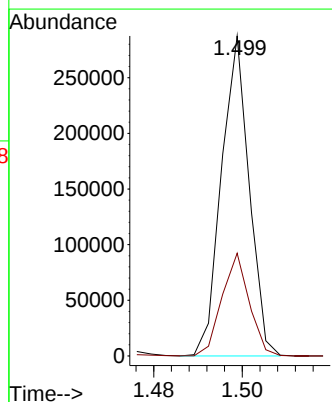
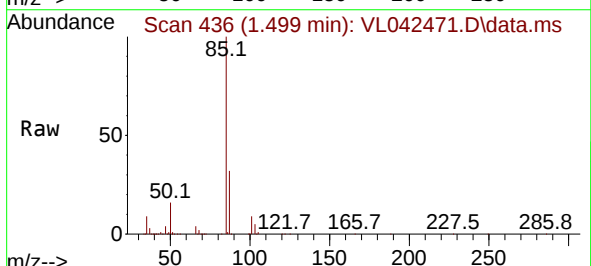
Manual Integrations  
APPROVED

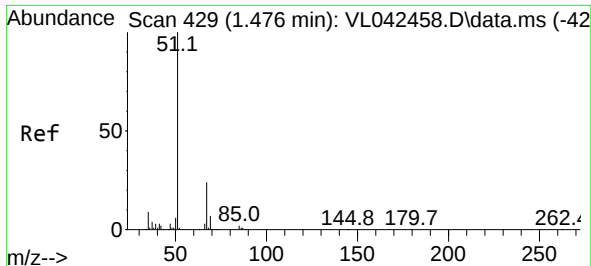
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#2  
Dichlorodifluoromethane  
Concen: 10.303 ppbv  
RT: 1.499 min Scan# 436  
Delta R.T. 0.000 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

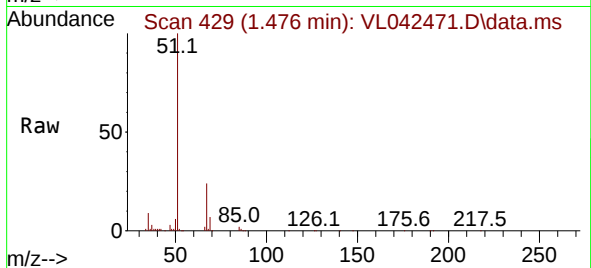
Tgt Ion: 85 Resp: 124629  
Ion Ratio Lower Upper  
85 100  
87 32.1 26.9 40.3





#3  
Chlorodifluoromethane  
Concen: 9.477 ppbv  
RT: 1.476 min Scan# 429  
Delta R.T. 0.000 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

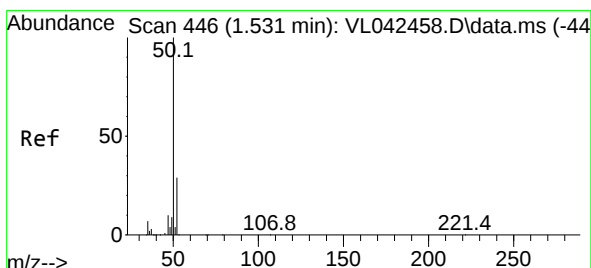
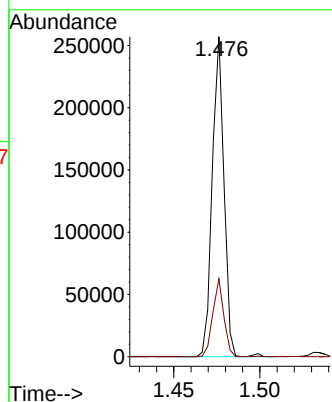
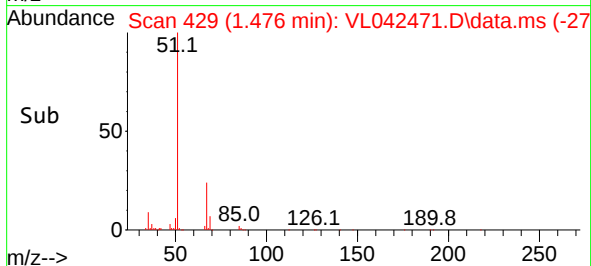
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0505ABS01



Tgt Ion: 51 Resp: 121193  
Ion Ratio Lower Upper  
51 100  
67 23.1 18.4 27.6

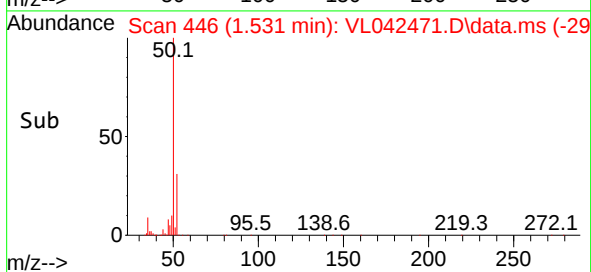
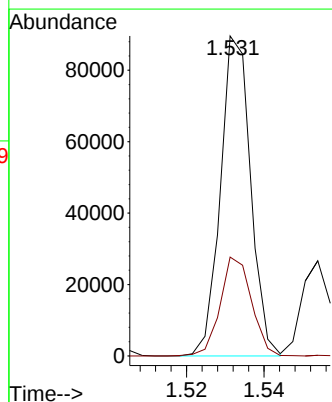
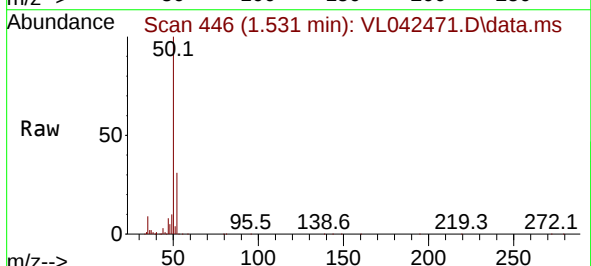
Manual Integrations  
APPROVED

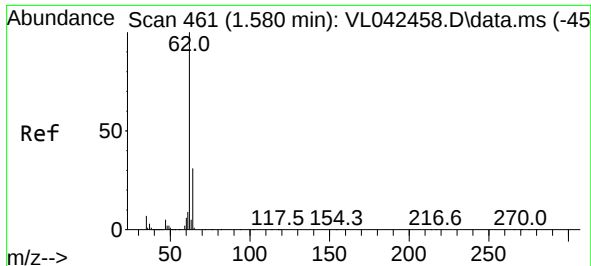
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#4  
Chloromethane  
Concen: 9.585 ppbv  
RT: 1.531 min Scan# 446  
Delta R.T. 0.000 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

Tgt Ion: 50 Resp: 48459  
Ion Ratio Lower Upper  
50 100  
52 30.8 23.5 35.3





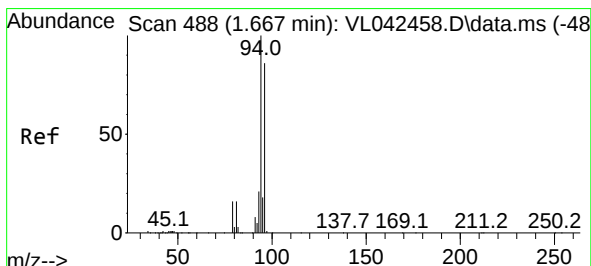
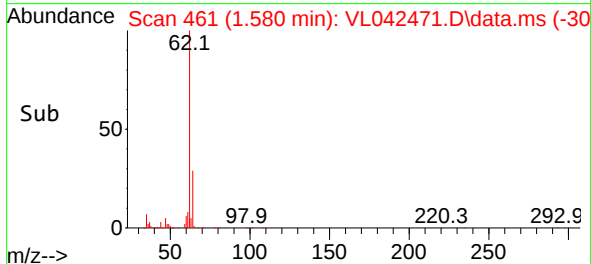
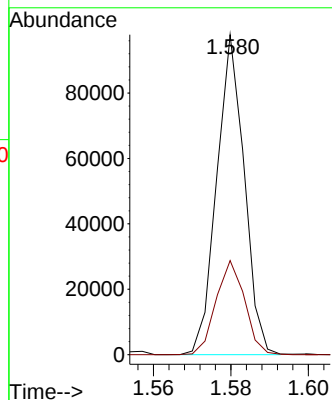
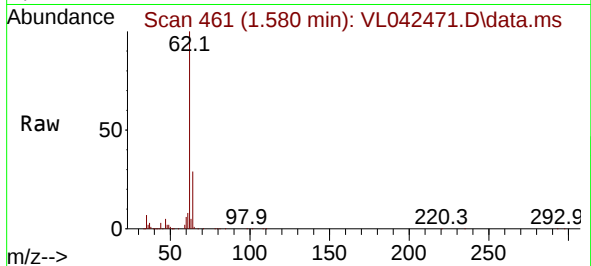
#5  
 Vinyl Chloride  
 Concen: 9.482 ppbv  
 RT: 1.580 min Scan# 461  
 Delta R.T. 0.000 min  
 Lab File: VL042471.D  
 Acq: 05 May 2025 10:07

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0505ABS01

Tgt Ion: 62 Resp: 4826  
 Ion Ratio Lower Upper  
 62 100  
 64 29.3 24.9 37.3

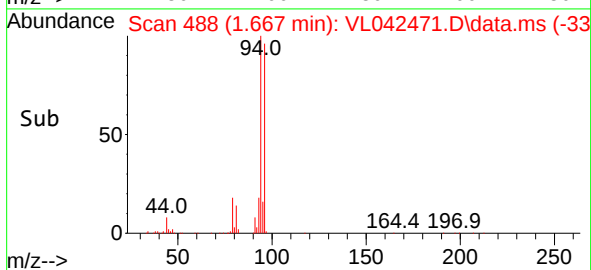
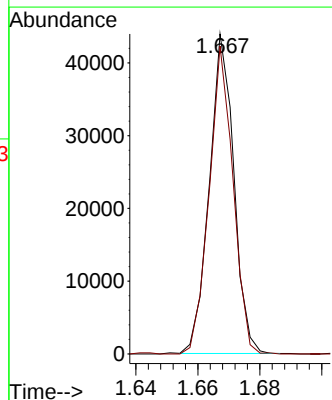
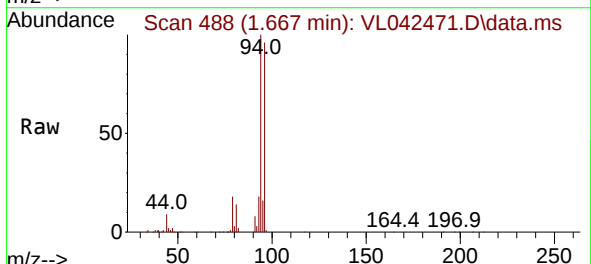
Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2025  
 Supervised By :Mahesh Dadoda 05/06/2025



#6  
 Bromomethane  
 Concen: 10.030 ppbv  
 RT: 1.667 min Scan# 488  
 Delta R.T. 0.000 min  
 Lab File: VL042471.D  
 Acq: 05 May 2025 10:07

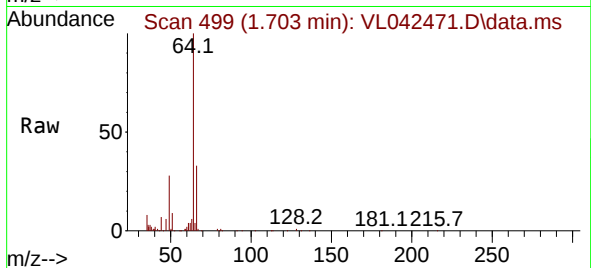
Tgt Ion: 94 Resp: 24122  
 Ion Ratio Lower Upper  
 94 100  
 96 96.4 68.8 103.2





#7  
Chloroethane  
Concen: 10.134 ppbv  
RT: 1.703 min Scan# 499  
Delta R.T. 0.000 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

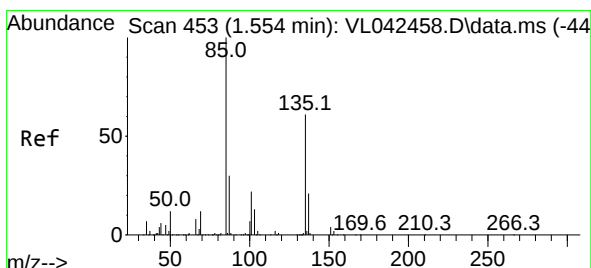
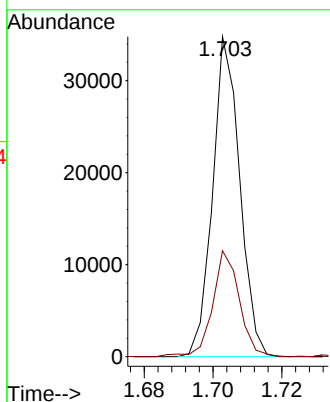
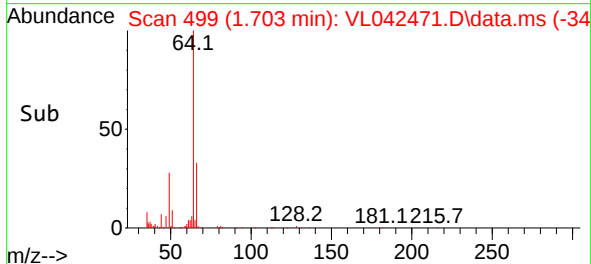
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0505ABS01



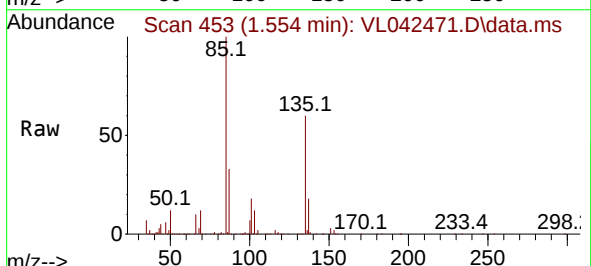
Tgt Ion: 64 Resp: 19040  
Ion Ratio Lower Upper  
64 100  
66 33.1 25.0 37.4

Manual Integrations  
APPROVED

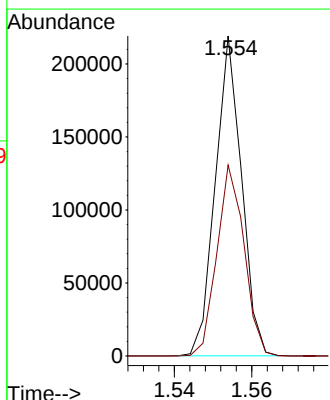
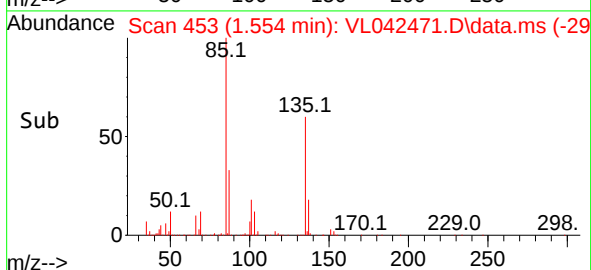
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025

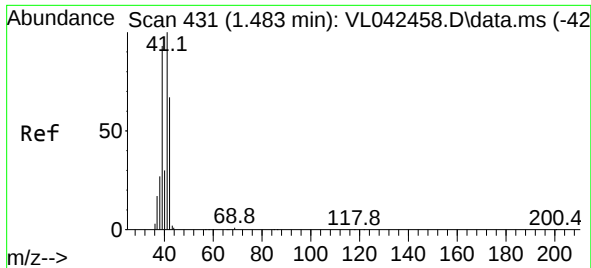


#8  
Dichlorotetrafluoroethane  
Concen: 10.330 ppbv  
RT: 1.554 min Scan# 453  
Delta R.T. 0.000 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07



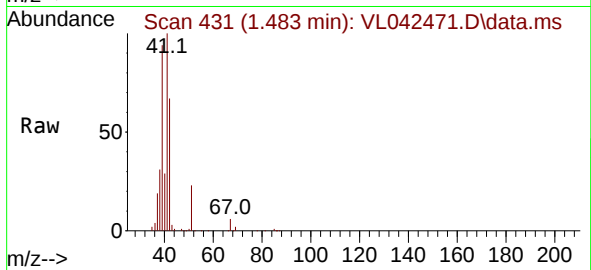
Tgt Ion: 85 Resp: 103007  
Ion Ratio Lower Upper  
85 100  
135 61.9 49.8 74.8





#9  
 Propene  
 Concen: 9.321 ppbv  
 RT: 1.483 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: VL042471.D  
 Acq: 05 May 2025 10:07

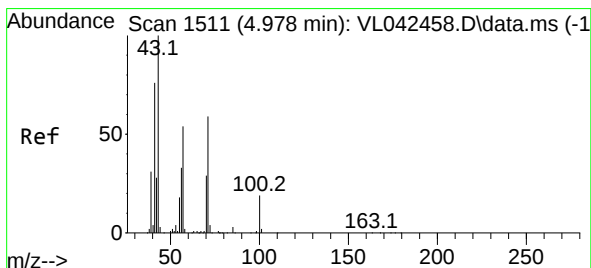
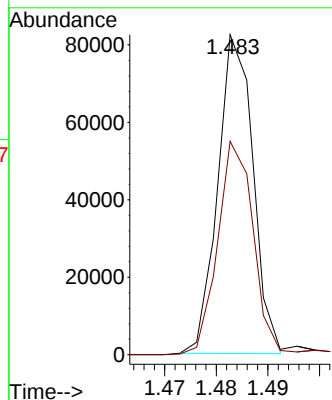
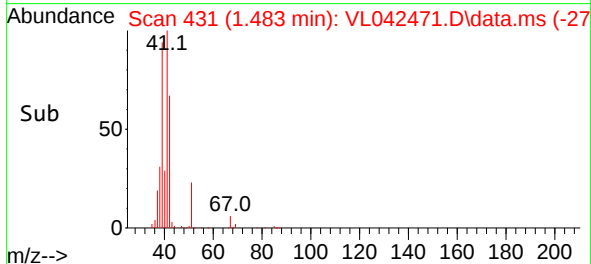
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0505ABS01



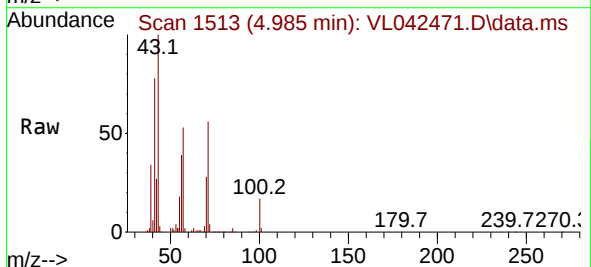
Tgt Ion: 41 Resp: 3898  
 Ion Ratio Lower Upper  
 41 100  
 42 69.1 54.3 81.5

Manual Integrations  
 APPROVED

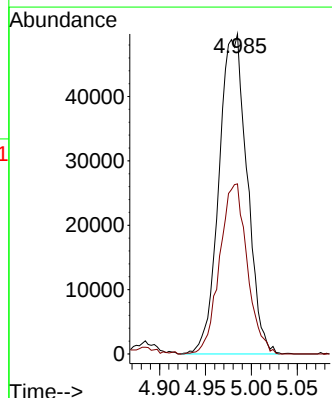
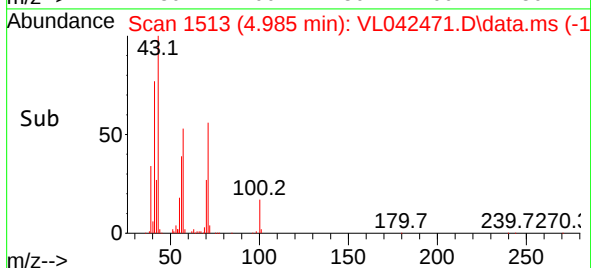
Reviewed By :Semsettin Yesilyurt 05/06/2025  
 Supervised By :Mahesh Dadoda 05/06/2025

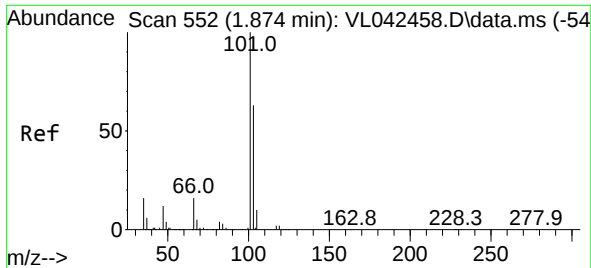


#10  
 Heptane  
 Concen: 9.734 ppbv m  
 RT: 4.985 min Scan# 1513  
 Delta R.T. 0.007 min  
 Lab File: VL042471.D  
 Acq: 05 May 2025 10:07



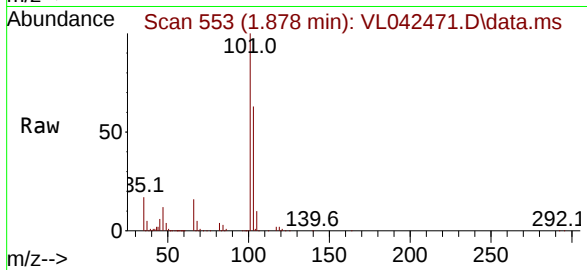
Tgt Ion: 43 Resp: 105620  
 Ion Ratio Lower Upper  
 43 100  
 57 52.1 41.8 62.8





#11  
 Trichlorofluoromethane  
 Concen: 10.365 ppbv  
 RT: 1.878 min Scan# 511  
 Delta R.T. 0.003 min  
 Lab File: VL042471.D  
 Acq: 05 May 2025 10:07

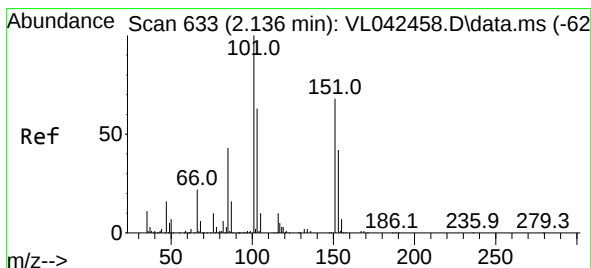
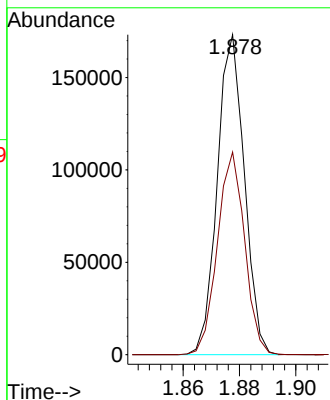
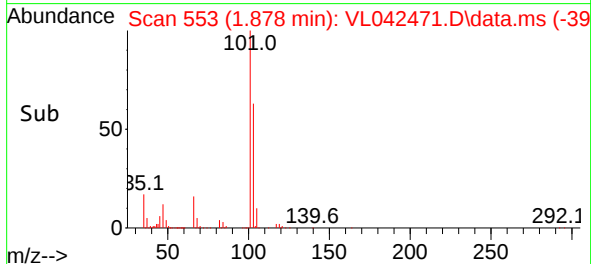
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0505ABS01



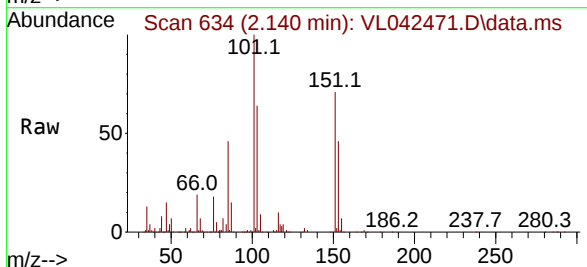
Tgt Ion:101 Resp: 115690  
 Ion Ratio Lower Upper  
 101 100  
 103 63.3 50.6 76.0

Manual Integrations  
 APPROVED

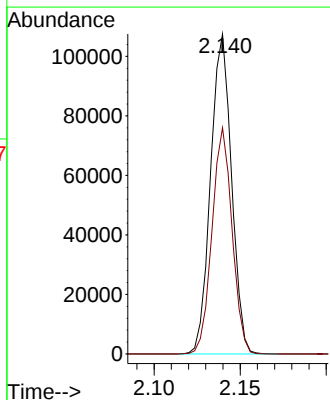
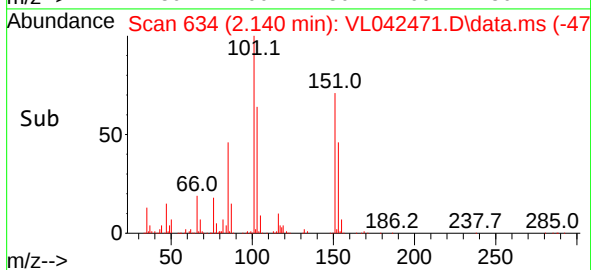
Reviewed By :Semsettin Yesilyurt 05/06/2025  
 Supervised By :Mahesh Dadoda 05/06/2025

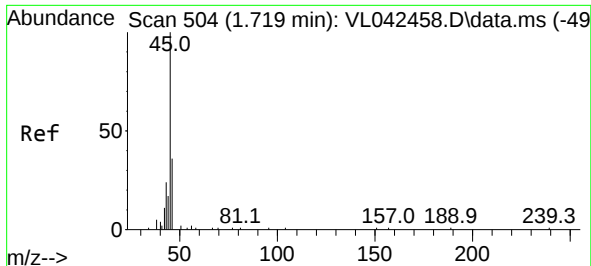


#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 10.191 ppbv  
 RT: 2.140 min Scan# 634  
 Delta R.T. 0.003 min  
 Lab File: VL042471.D  
 Acq: 05 May 2025 10:07



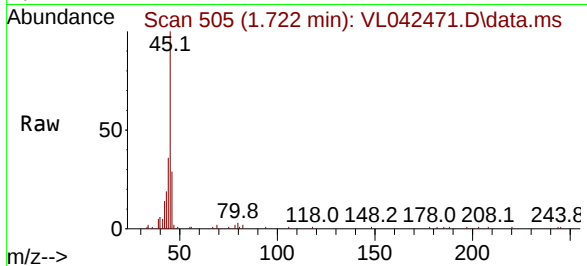
Tgt Ion:101 Resp: 90819  
 Ion Ratio Lower Upper  
 101 100  
 151 67.9 54.6 82.0





#13  
Ethanol  
Concen: 7.037 ppbv  
RT: 1.722 min Scan# 504  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

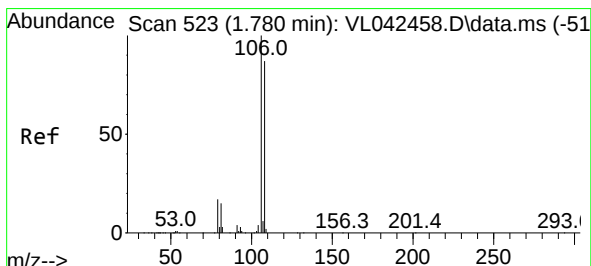
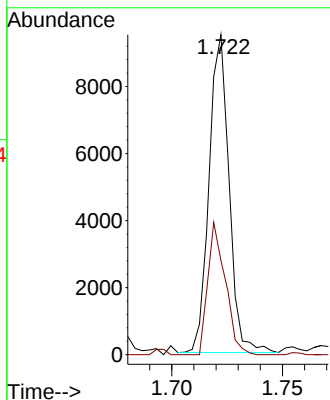
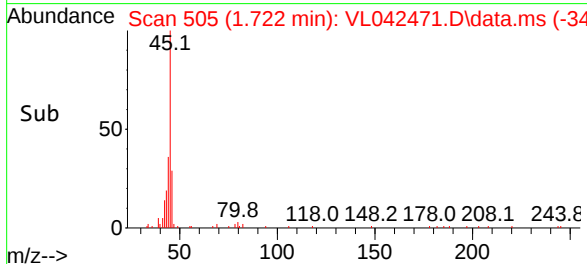
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0505ABS01



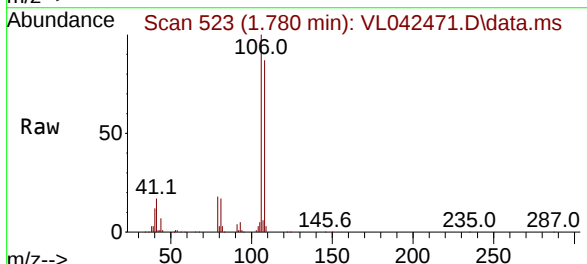
Tgt Ion: 45 Resp: 597  
Ion Ratio Lower Upper  
45 100  
46 37.9 15.3 61.1

Manual Integrations  
APPROVED

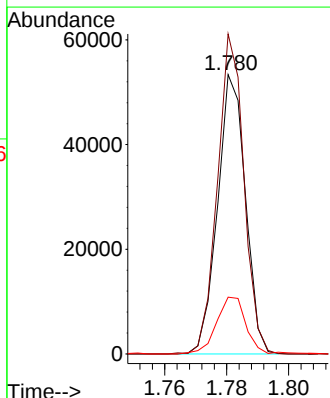
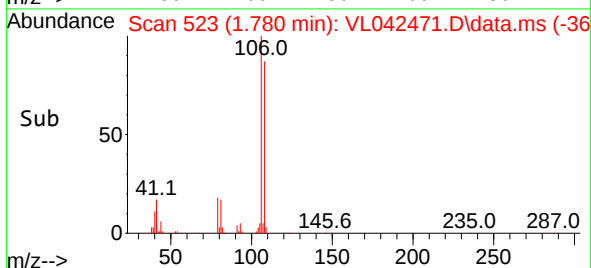
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025

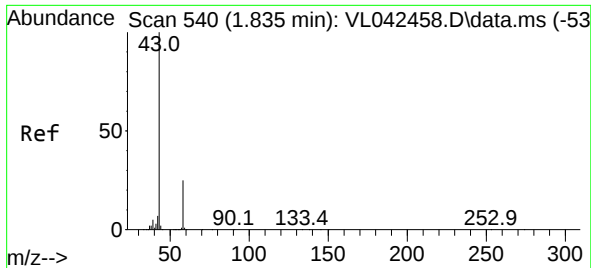


#14  
Bromoethene  
Concen: 10.148 ppbv  
RT: 1.780 min Scan# 523  
Delta R.T. 0.000 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07



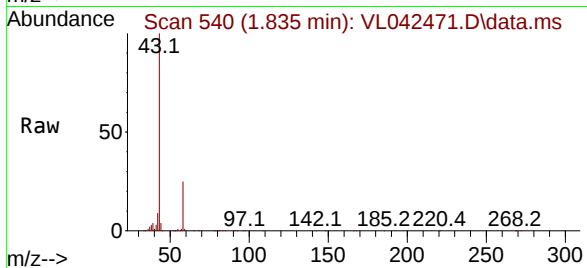
Tgt Ion:108 Resp: 33388  
Ion Ratio Lower Upper  
108 100  
106 108.6 88.8 133.2  
79 21.8 17.1 25.7





#15  
Acetone  
Concen: 7.997 ppbv  
RT: 1.835 min Scan# 540  
Delta R.T. 0.000 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

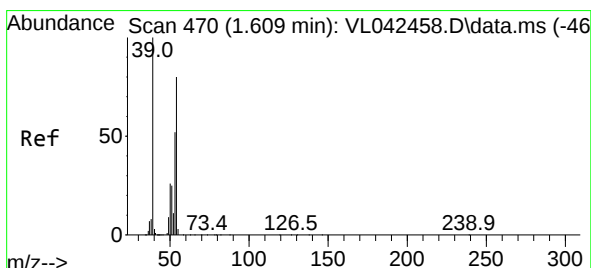
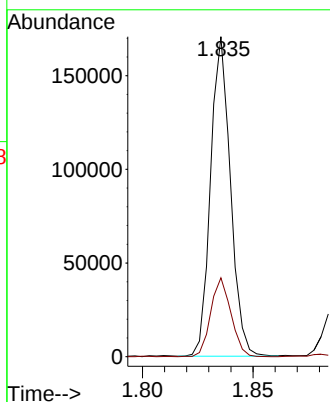
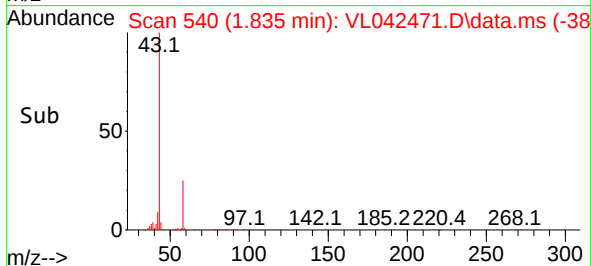
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0505ABS01



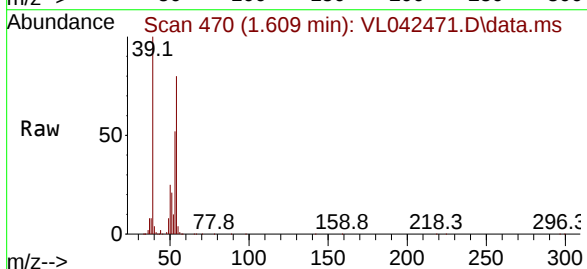
Tgt Ion: 43 Resp: 106709  
Ion Ratio Lower Upper  
43 100  
58 25.2 19.8 29.8

Manual Integrations  
APPROVED

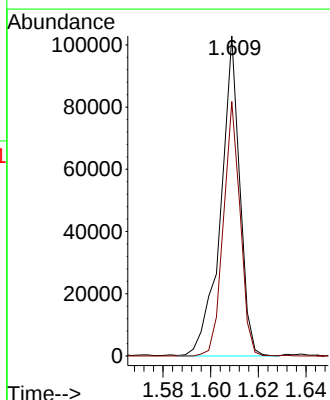
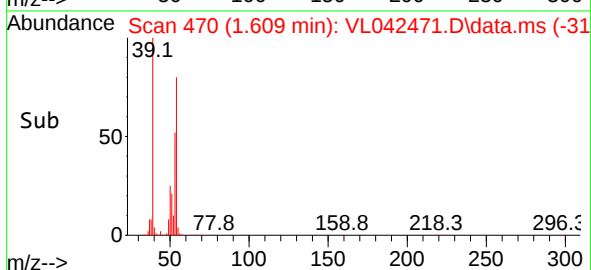
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025

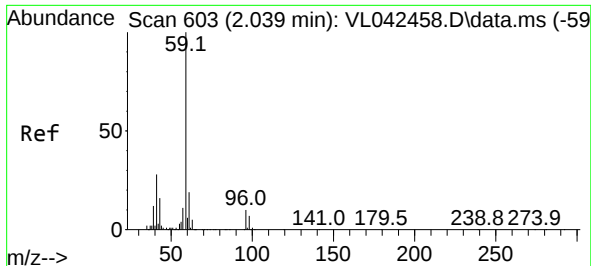


#16  
1,3-Butadiene  
Concen: 9.746 ppbv  
RT: 1.609 min Scan# 470  
Delta R.T. 0.000 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07



Tgt Ion: 39 Resp: 57359  
Ion Ratio Lower Upper  
39 100  
54 69.5 55.2 82.8





#17

tert-Butyl alcohol

Concen: 9.980 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.000 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Instrument :

MSVOA\_L

ClientSampleId :

VL0505ABS01

Tgt Ion: 59 Resp: 117319

Ion Ratio Lower Upper

59 100

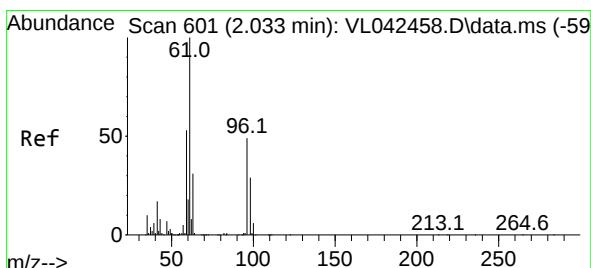
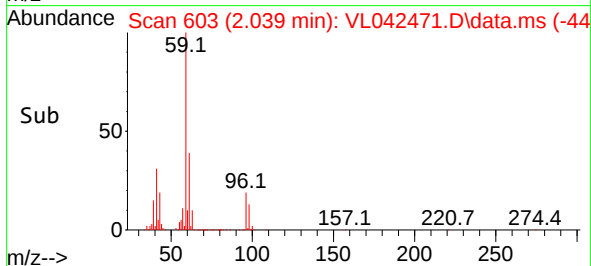
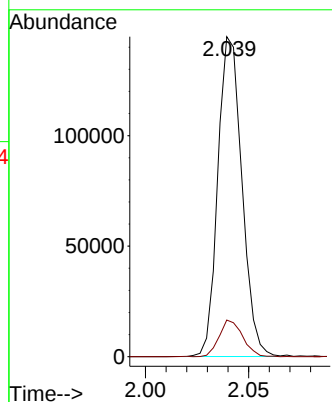
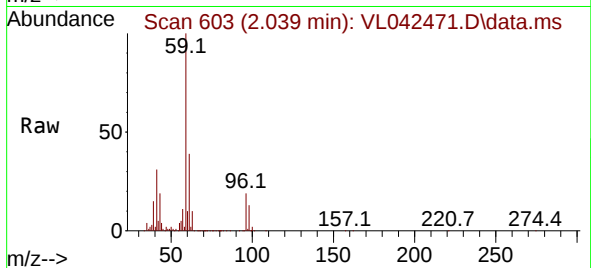
57 11.2 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#18

1,1-Dichloroethene

Concen: 9.907 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.000 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

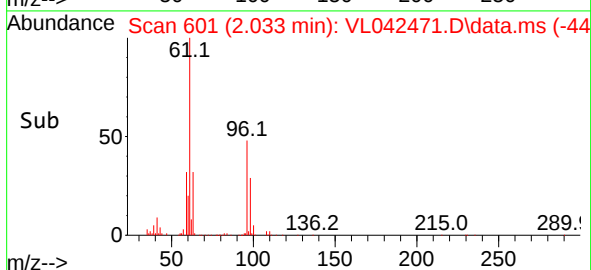
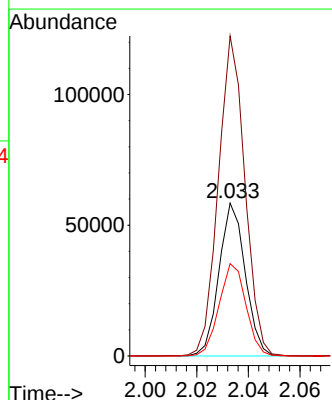
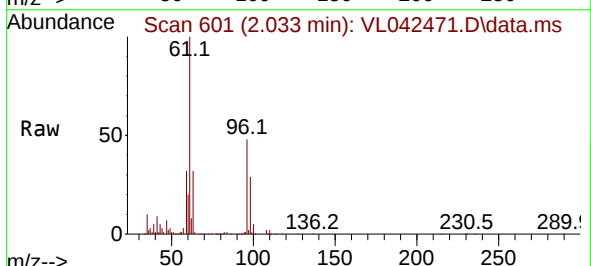
Tgt Ion: 96 Resp: 41229

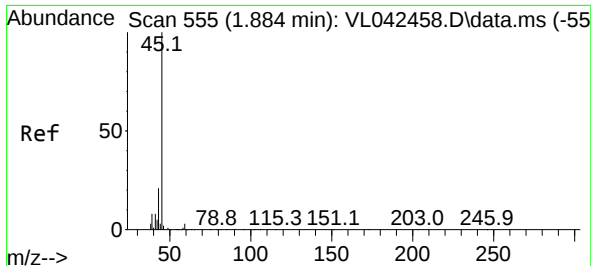
Ion Ratio Lower Upper

96 100

61 209.2 164.9 247.3

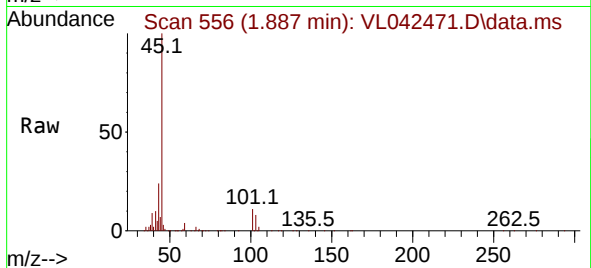
98 60.3 48.2 72.2





#19  
Isopropyl Alcohol  
Concen: 9.550 ppbv  
RT: 1.887 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

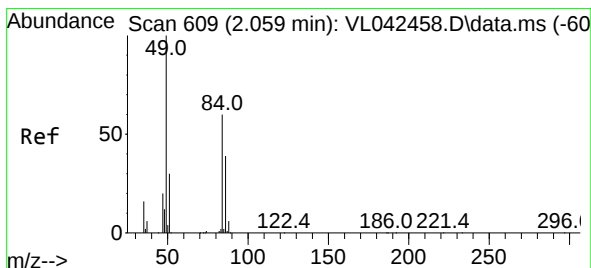
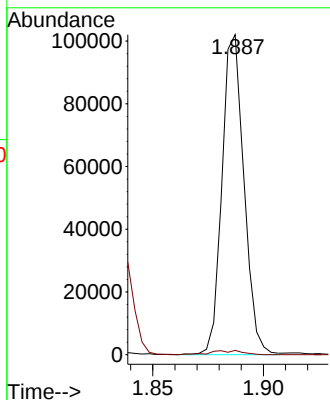
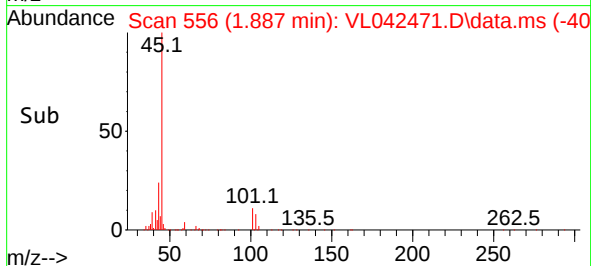
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0505ABS01



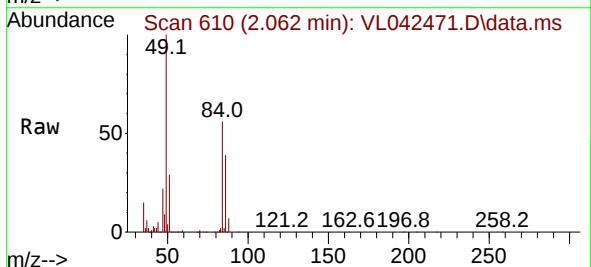
Tgt Ion: 45 Resp: 7052  
Ion Ratio Lower Upper  
45 100  
58 1.8 1.6 2.4

Manual Integrations  
APPROVED

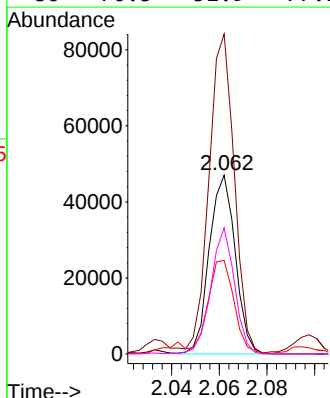
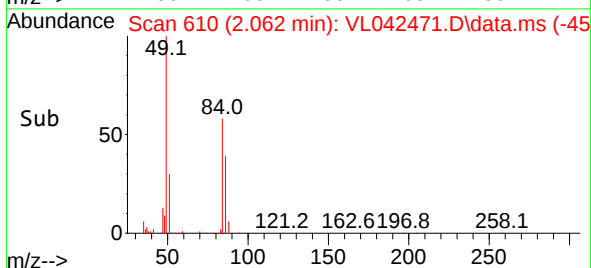
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025

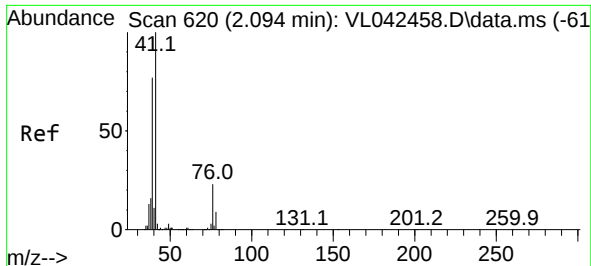


#20  
Methylene Chloride  
Concen: 8.901 ppbv  
RT: 2.062 min Scan# 610  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07



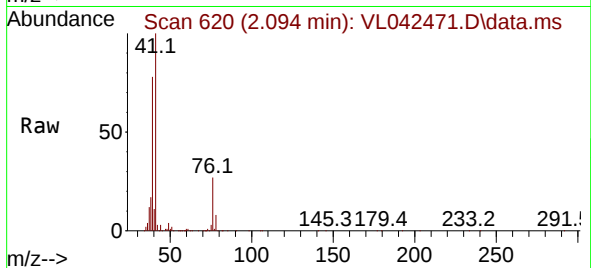
Tgt Ion: 84 Resp: 35706  
Ion Ratio Lower Upper  
84 100  
49 177.8 133.9 200.9  
51 51.4 41.0 61.6  
86 70.5 51.9 77.9





#21  
 Allyl Chloride  
 Concen: 9.873 ppbv  
 RT: 2.094 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: VL042471.D  
 Acq: 05 May 2025 10:07

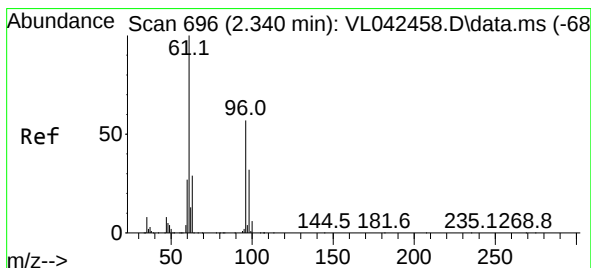
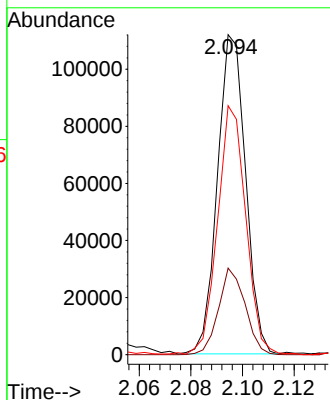
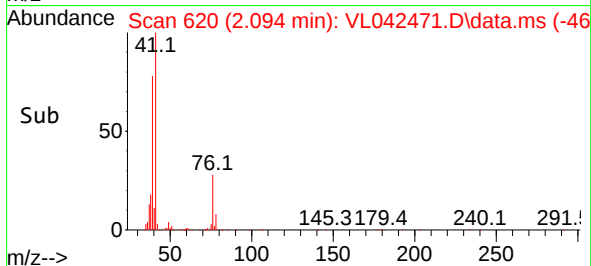
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0505ABS01



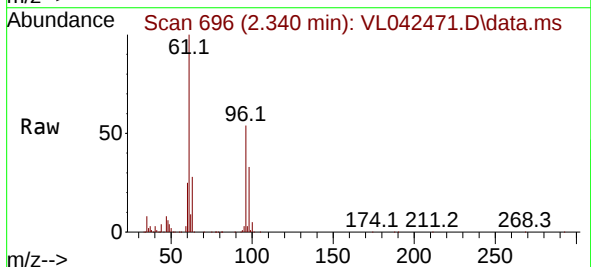
Tgt Ion: 41 Resp: 8472  
 Ion Ratio Lower Upper  
 41 100  
 76 25.6 19.6 29.4  
 39 77.7 61.0 91.4

Manual Integrations  
 APPROVED

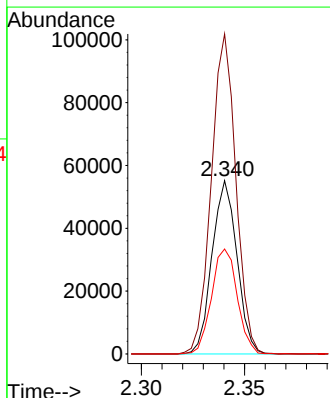
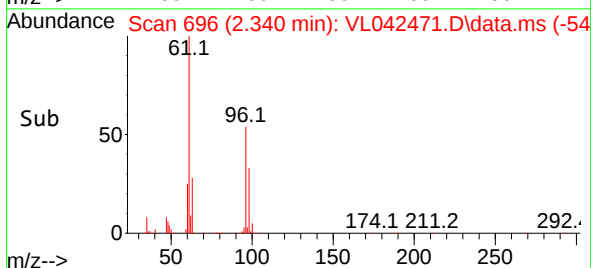
Reviewed By :Semsettin Yesilyurt 05/06/2025  
 Supervised By :Mahesh Dadoda 05/06/2025

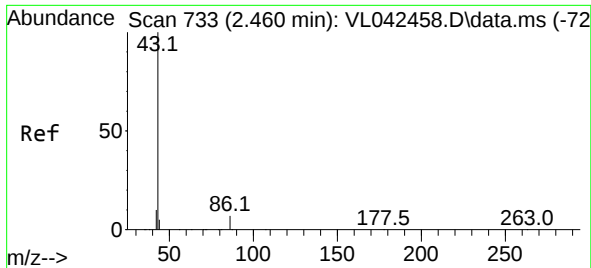


#22  
 trans-1,2-Dichloroethene  
 Concen: 9.528 ppbv  
 RT: 2.340 min Scan# 696  
 Delta R.T. 0.000 min  
 Lab File: VL042471.D  
 Acq: 05 May 2025 10:07



Tgt Ion: 96 Resp: 46305  
 Ion Ratio Lower Upper  
 96 100  
 61 184.7 141.8 212.6  
 98 60.6 45.0 67.6





#23  
 Vinyl Acetate  
 Concen: 10.210 ppbv  
 RT: 2.463 min Scan# 717  
 Delta R.T. 0.003 min  
 Lab File: VL042471.D  
 Acq: 05 May 2025 10:07

Instrument :

MSVOA\_L

ClientSampleId :

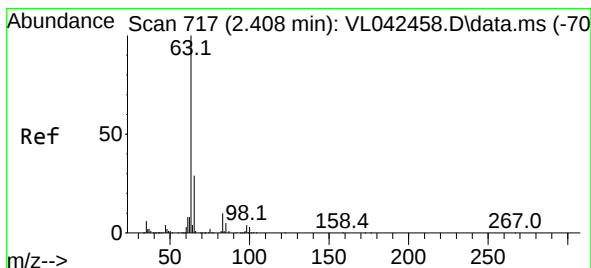
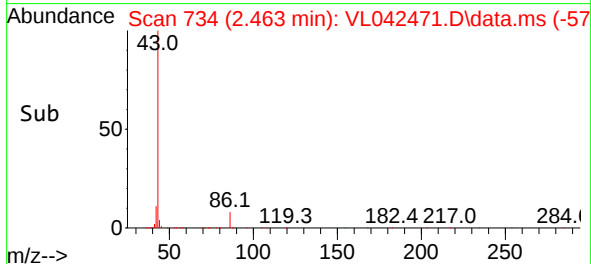
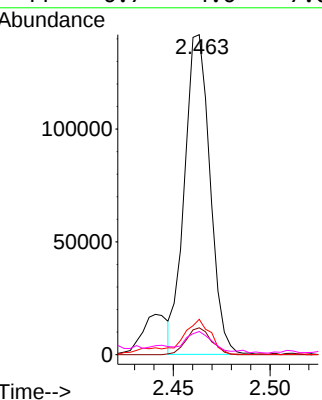
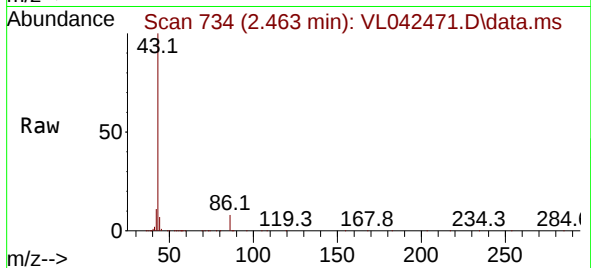
VL0505ABS01

Tgt Ion: 43 Resp: 130023  
 Ion Ratio Lower Upper  
 43 100  
 86 8.4 5.5 8.3  
 42 11.0 8.3 12.5  
 44 6.7 4.6 7.0

Manual Integrations

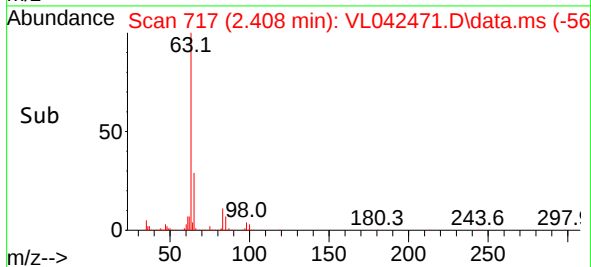
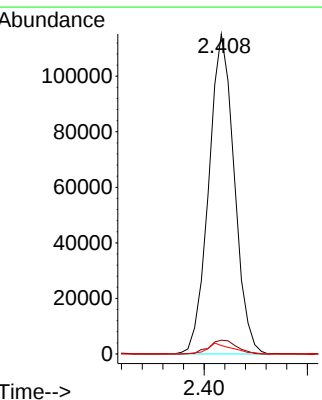
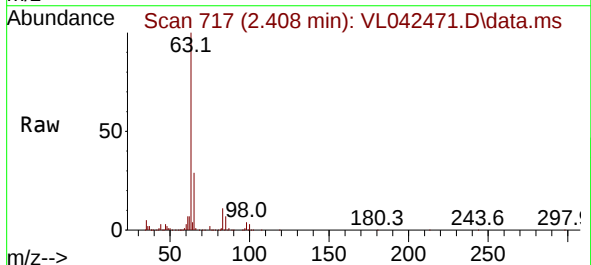
APPROVED

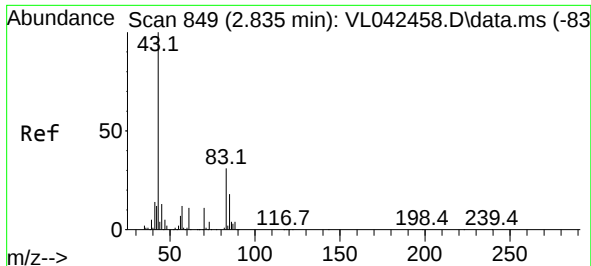
Reviewed By :Semsettin Yesilyurt 05/06/2025  
 Supervised By :Mahesh Dadoda 05/06/2025



#24  
 1,1-Dichloroethane  
 Concen: 9.984 ppbv  
 RT: 2.408 min Scan# 717  
 Delta R.T. 0.000 min  
 Lab File: VL042471.D  
 Acq: 05 May 2025 10:07

Tgt Ion: 63 Resp: 98989  
 Ion Ratio Lower Upper  
 63 100  
 98 4.3 1.8 5.5  
 100 2.7 1.4 4.2





#25

Ethyl Acetate

Concen: 9.728 ppbv

RT: 2.836 min Scan# 849

Delta R.T. 0.000 min

Lab File: VL042471.D

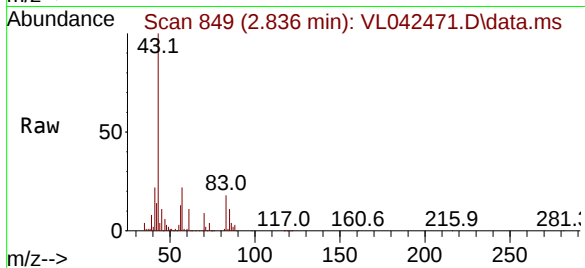
Acq: 05 May 2025 10:07

Instrument :

MSVOA\_L

ClientSampleId :

VL0505ABS01



Tgt Ion: 43 Resp: 20784

Ion Ratio Lower Upper

43 100

45 9.4 7.8 11.6

61 8.9 7.2 10.8

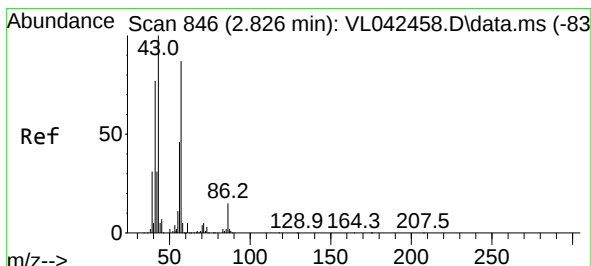
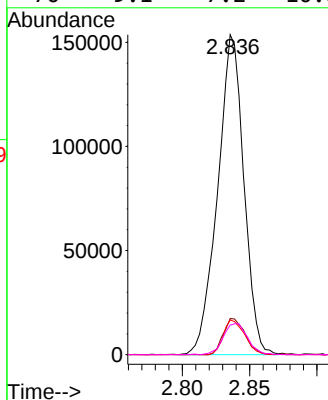
70 9.1 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#26

Hexane

Concen: 9.673 ppbv

RT: 2.826 min Scan# 846

Delta R.T. 0.000 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Tgt Ion: 57 Resp: 90030

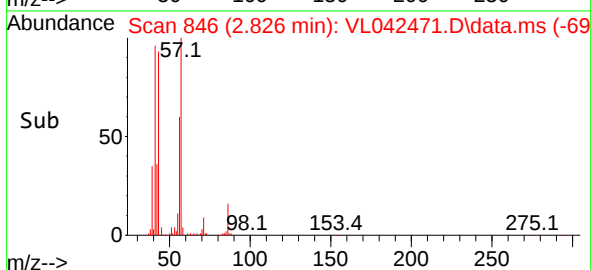
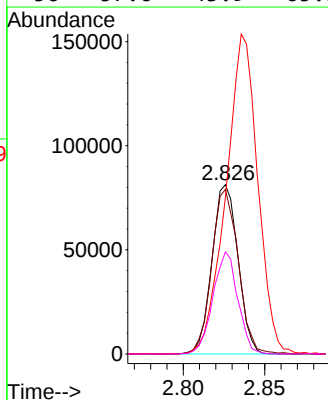
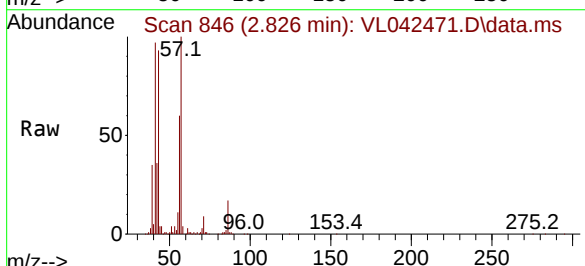
Ion Ratio Lower Upper

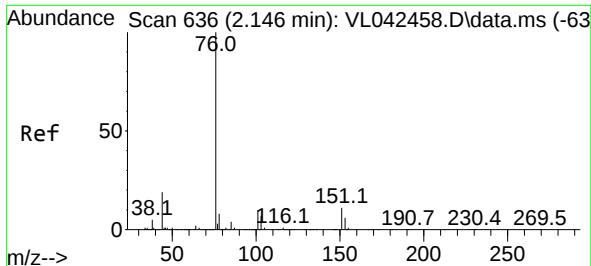
57 100

41 99.4 77.8 116.8

43 232.3 187.0 280.6

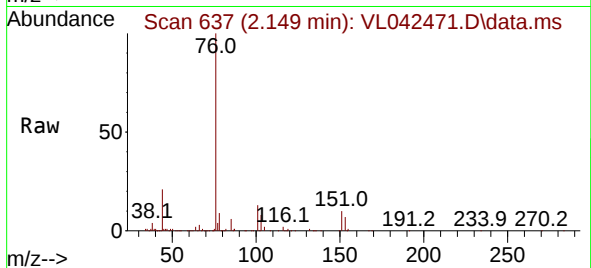
56 57.6 43.9 65.9





#27  
Carbon Disulfide  
Concen: 10.614 ppbv  
RT: 2.149 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

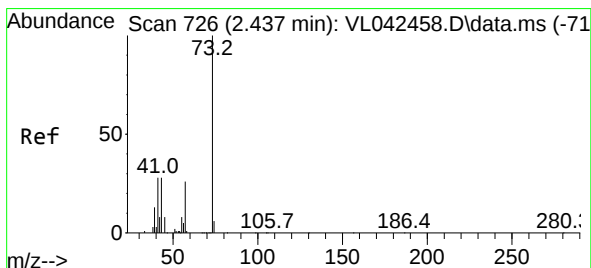
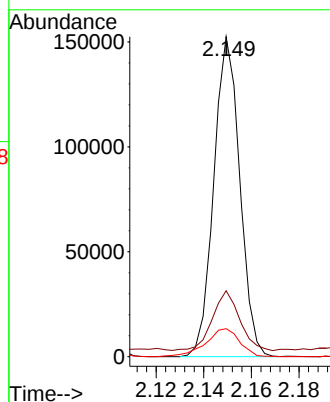
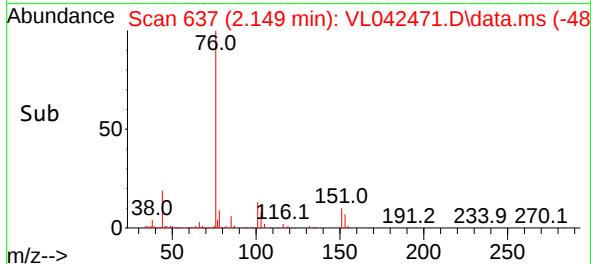
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0505ABS01



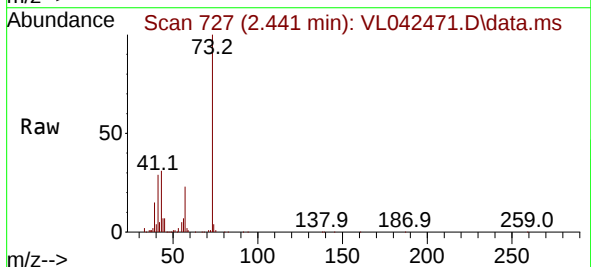
Tgt Ion: 76 Resp: 115280  
Ion Ratio Lower Upper  
76 100  
44 22.5 21.0 31.6  
78 11.4 8.6 13.0

Manual Integrations  
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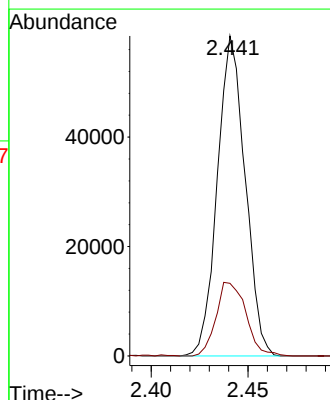
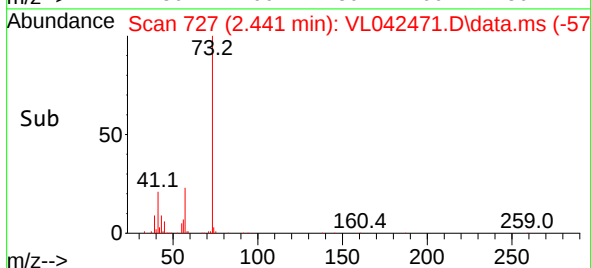
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025

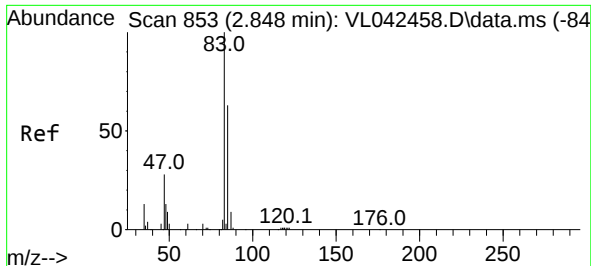


#28  
Methyl tert-Butyl Ether  
Concen: 10.429 ppbv  
RT: 2.441 min Scan# 727  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07



Tgt Ion: 73 Resp: 58319  
Ion Ratio Lower Upper  
73 100  
57 25.1 19.9 29.9





#29

Chloroform

Concen: 9.660 ppbv

RT: 2.849 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Instrument :

MSVOA\_L

ClientSampleId :

VL0505ABS01

Tgt Ion: 83 Resp: 16848

Ion Ratio Lower Upper

83 100

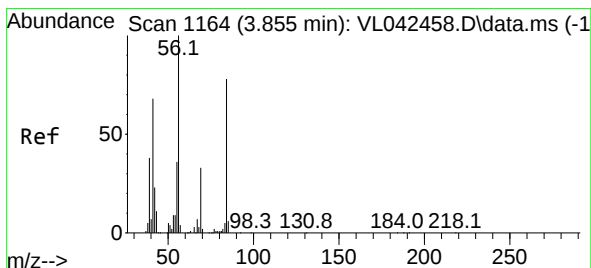
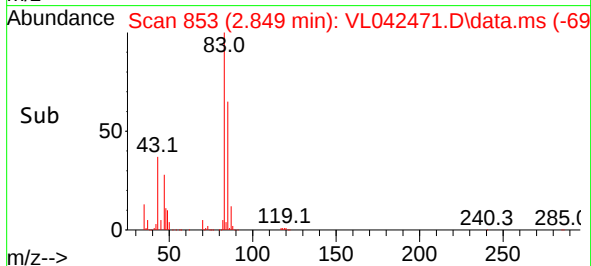
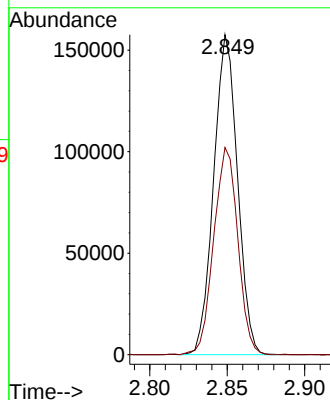
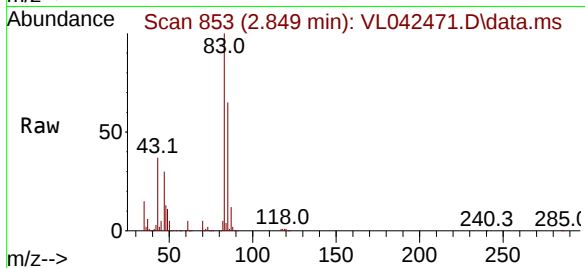
85 64.8 50.4 75.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#30

Cyclohexane

Concen: 10.078 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

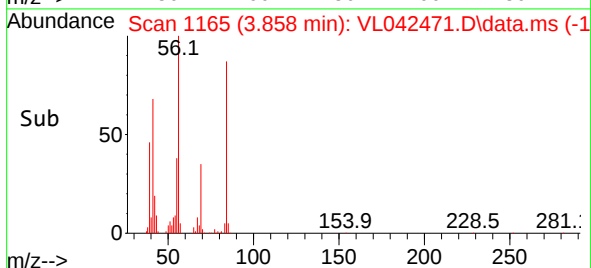
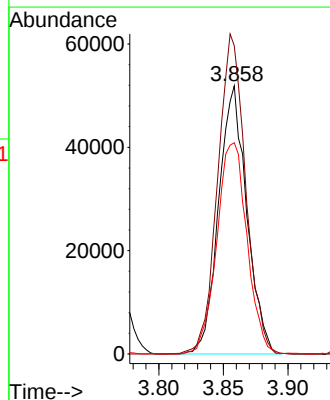
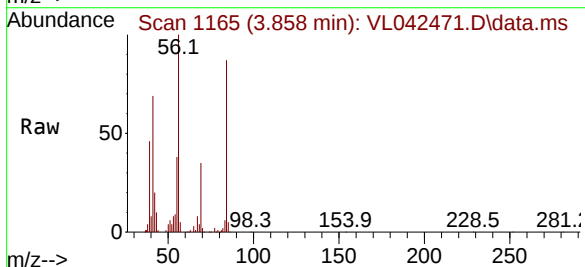
Tgt Ion: 84 Resp: 78428

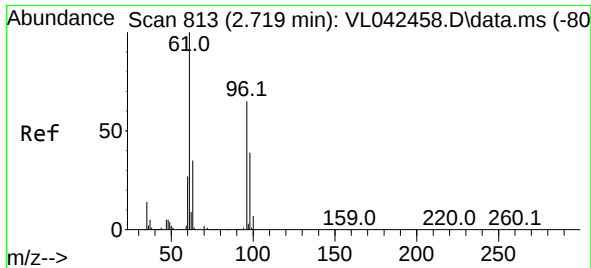
Ion Ratio Lower Upper

84 100

56 118.7 98.1 147.1

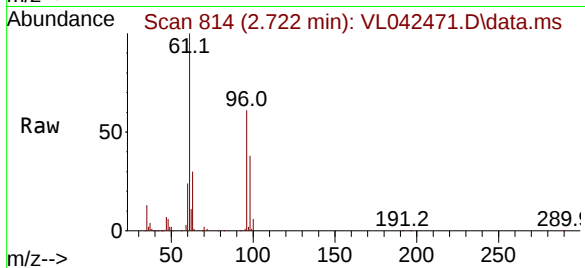
41 84.7 65.8 98.8





#31  
 cis-1,2-Dichloroethene  
 Concen: 9.595 ppbv  
 RT: 2.722 min Scan# 813  
 Delta R.T. 0.003 min  
 Lab File: VL042471.D  
 Acq: 05 May 2025 10:07

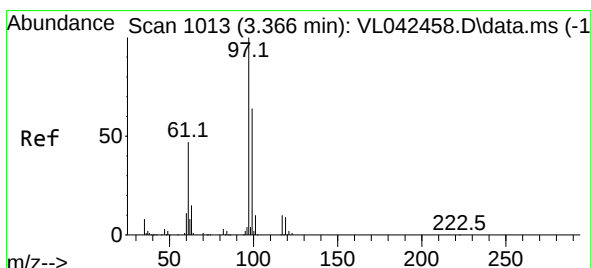
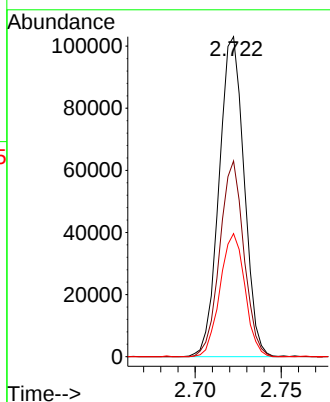
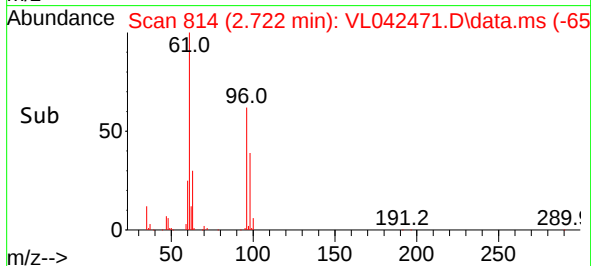
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0505ABS01



Tgt Ion: 61 Resp: 10419  
 Ion Ratio Lower Upper  
 61 100  
 96 61.2 52.0 78.0  
 98 38.4 31.0 46.6

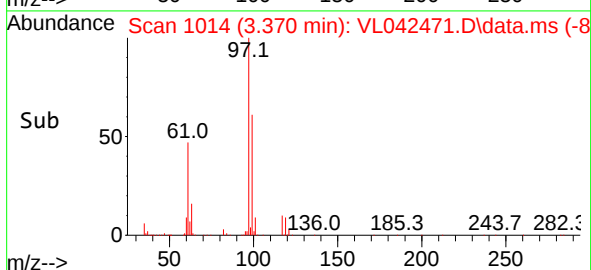
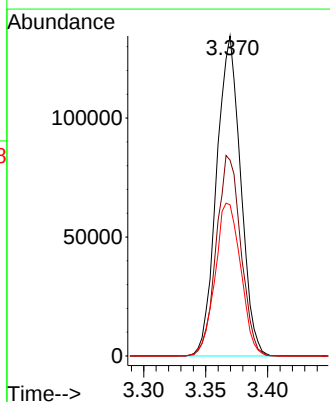
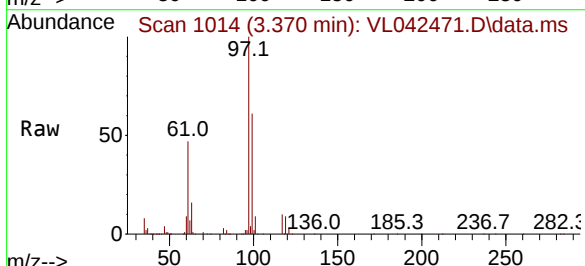
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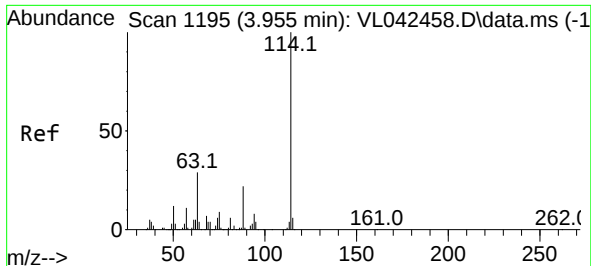
Reviewed By :Semsettin Yesilyurt 05/06/2025  
 Supervised By :Mahesh Dadoda 05/06/2025



#32  
 1,1,1-Trichloroethane  
 Concen: 9.632 ppbv  
 RT: 3.370 min Scan# 1014  
 Delta R.T. 0.003 min  
 Lab File: VL042471.D  
 Acq: 05 May 2025 10:07

Tgt Ion: 97 Resp: 182273  
 Ion Ratio Lower Upper  
 97 100  
 99 63.9 50.7 76.1  
 61 50.8 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.003 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Instrument :

MSVOA\_L

ClientSampleId :

VL0505ABS01

Tgt Ion:114 Resp: 206118

Ion Ratio Lower Upper

114 100

63 28.7 23.1 34.7

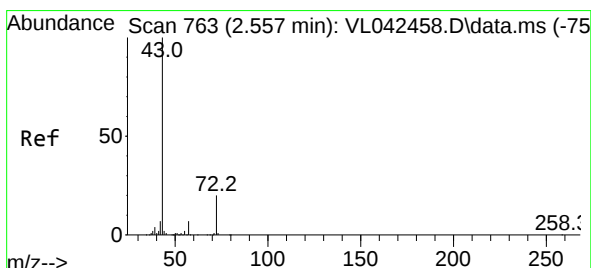
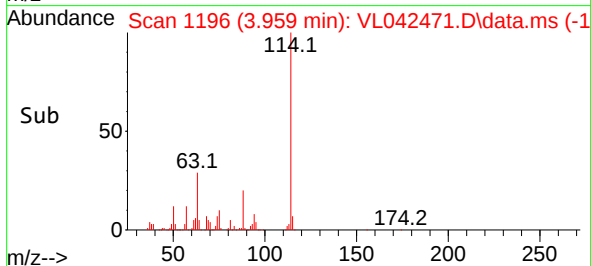
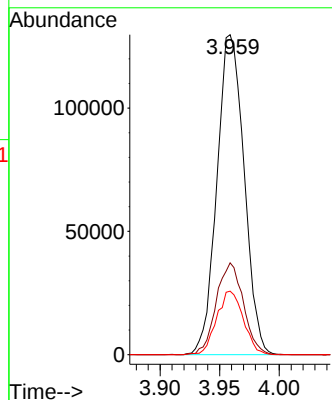
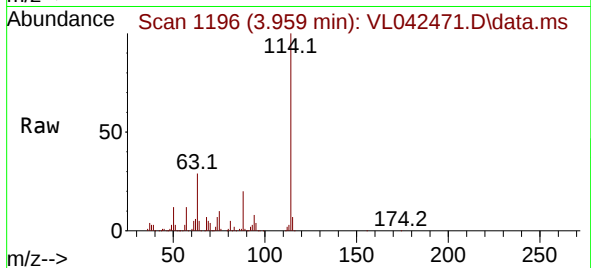
88 19.5 16.1 24.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#34

2-Butanone

Concen: 8.961 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.000 min

Lab File: VL042471.D

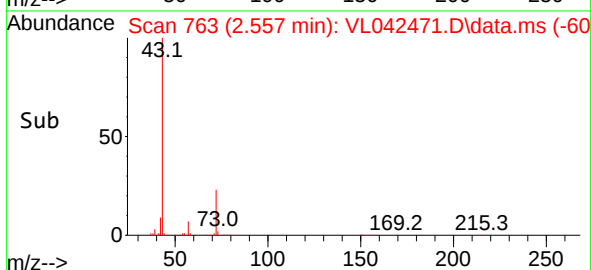
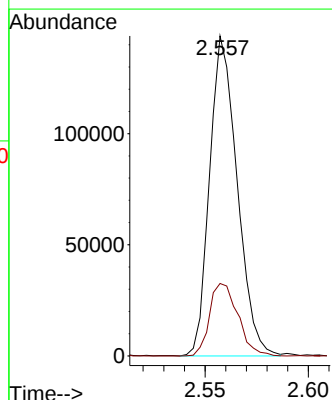
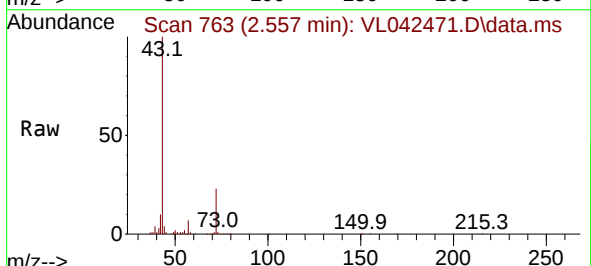
Acq: 05 May 2025 10:07

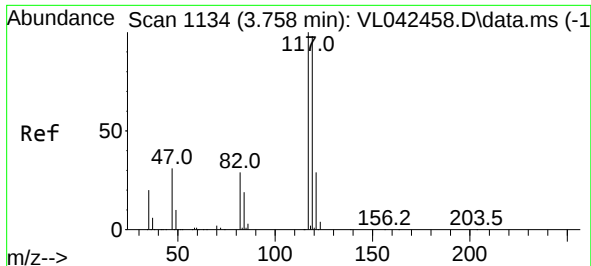
Tgt Ion: 43 Resp: 133597

Ion Ratio Lower Upper

43 100

72 23.3 16.7 25.1





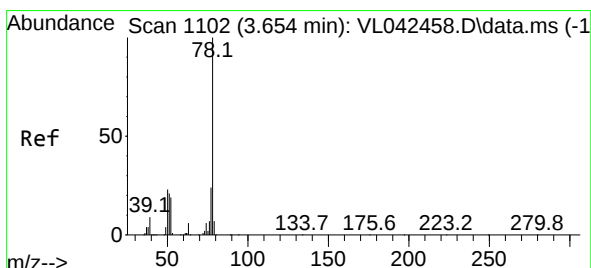
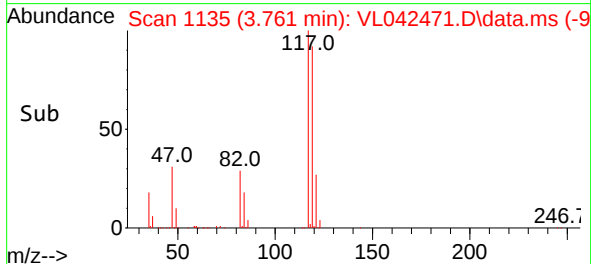
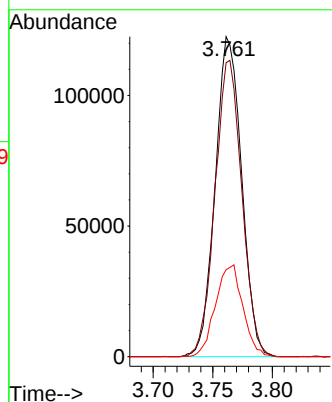
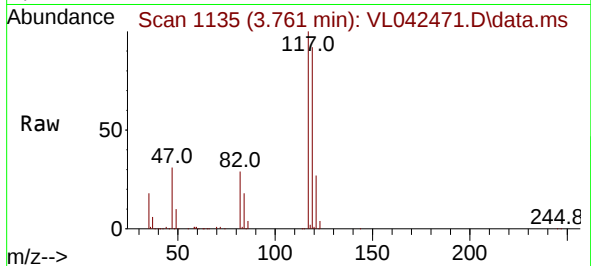
#35  
Carbon Tetrachloride  
Concen: 10.090 ppbv  
RT: 3.761 min Scan# 1110  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0505ABS01

Tgt Ion: 117 Resp: 188910  
Ion Ratio Lower Upper  
117 100  
119 91.9 78.1 117.1  
121 27.2 23.0 34.6

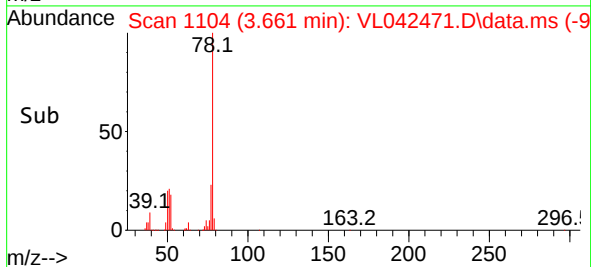
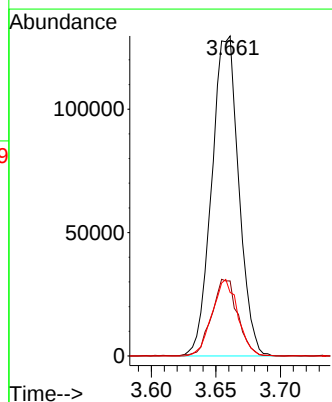
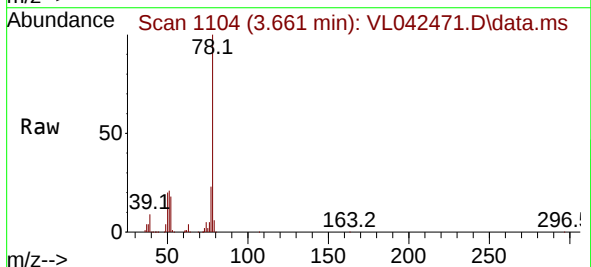
Manual Integrations  
APPROVED

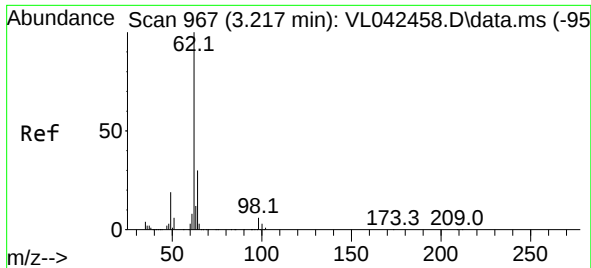
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#36  
Benzene  
Concen: 9.682 ppbv  
RT: 3.661 min Scan# 1104  
Delta R.T. 0.007 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

Tgt Ion: 78 Resp: 188320  
Ion Ratio Lower Upper  
78 100  
77 23.4 18.9 28.3  
50 19.8 18.4 27.6





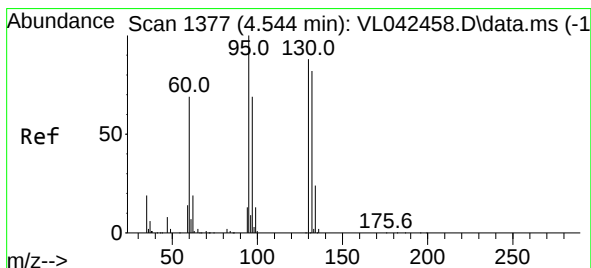
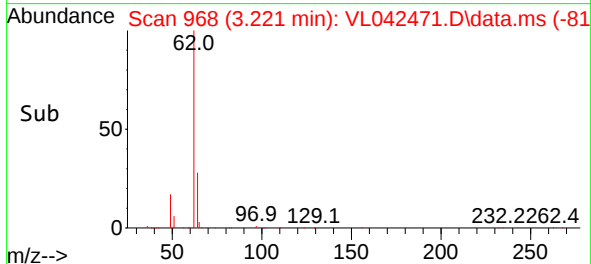
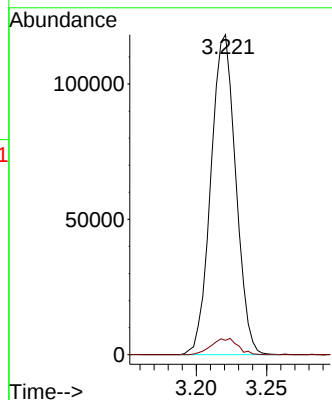
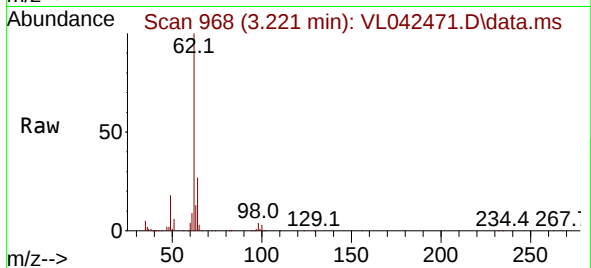
#37  
1,2-Dichloroethane  
Concen: 9.695 ppbv  
RT: 3.221 min Scan# 968  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0505ABS01

Tgt Ion: 62 Resp: 14534  
Ion Ratio Lower Upper  
62 100  
98 5.4 4.3 6.5

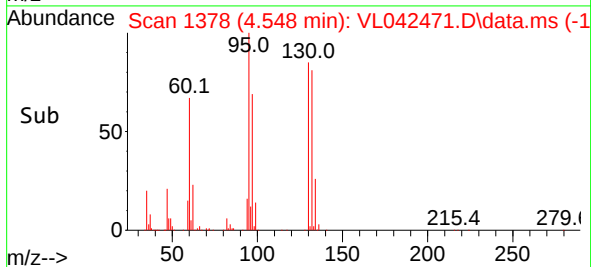
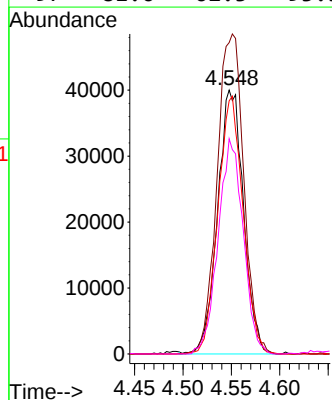
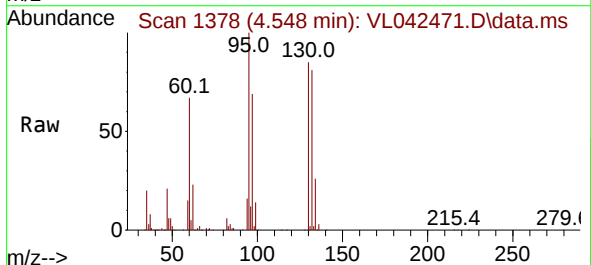
Manual Integrations  
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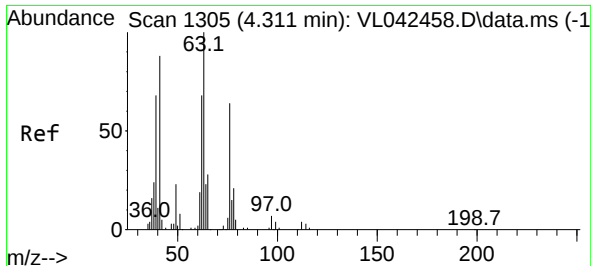
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#38  
Trichloroethene  
Concen: 10.017 ppbv m  
RT: 4.548 min Scan# 1378  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

Tgt Ion:130 Resp: 74307  
Ion Ratio Lower Upper  
130 100  
95 118.0 91.0 136.4  
132 96.0 74.2 111.4  
97 81.6 62.3 93.5





#39

1,2-Dichloropropane

Concen: 9.188 ppbv

RT: 4.315 min Scan# 1305

Delta R.T. 0.003 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Instrument :

MSVOA\_L

ClientSampleId :

VL0505ABS01

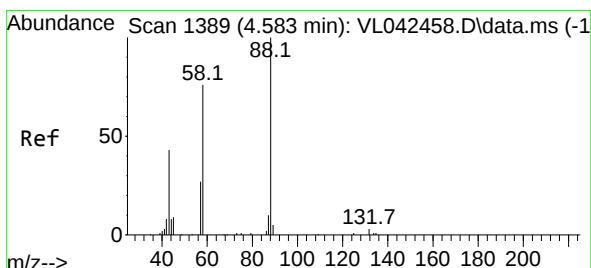
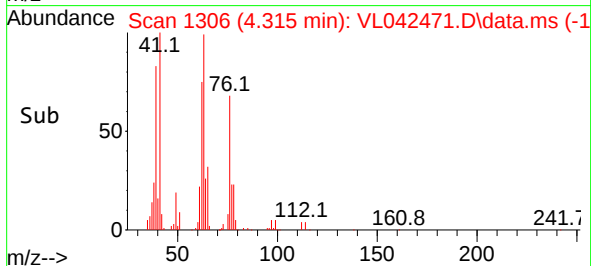
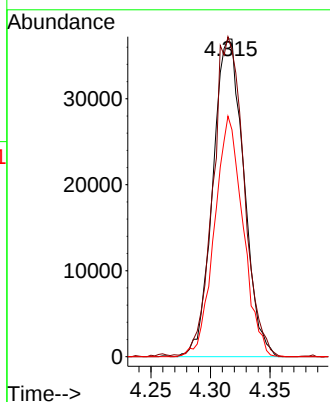
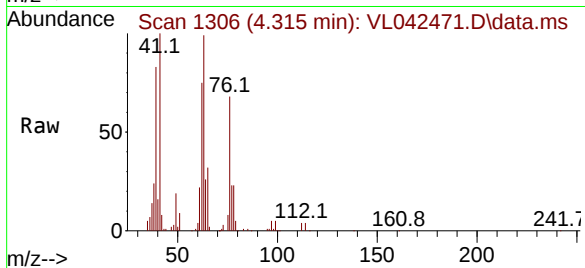
Tgt Ion: 63 Resp: 6690

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 41  | 100.3 | 69.8  | 104.6 |
| 62  | 75.5  | 54.3  | 81.5  |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#40

1,4-Dioxane

Concen: 9.209 ppbv

RT: 4.580 min Scan# 1388

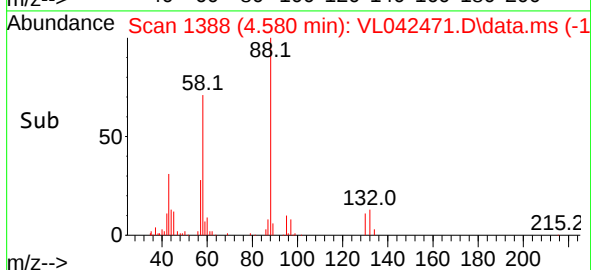
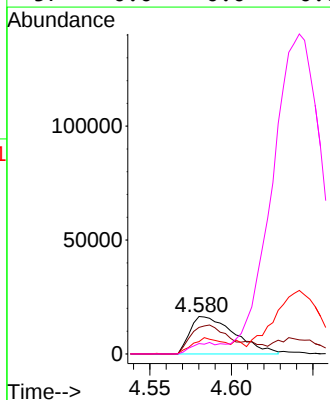
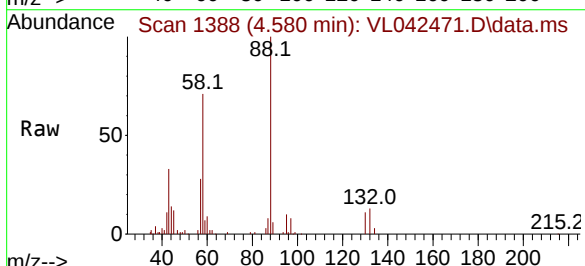
Delta R.T. -0.003 min

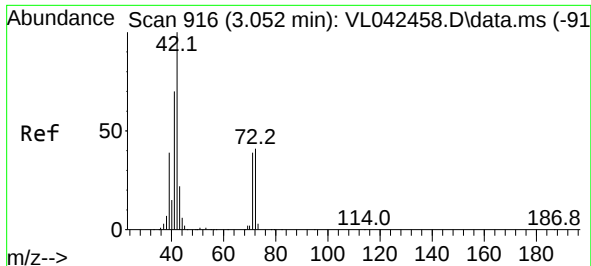
Lab File: VL042471.D

Acq: 05 May 2025 10:07

Tgt Ion: 88 Resp: 31401

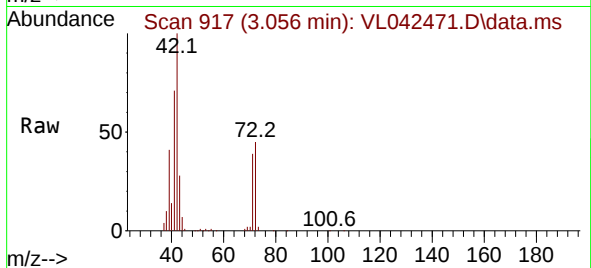
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 58  | 78.2  | 0.0   | 0.0#  |
| 43  | 0.0   | 0.0   | 0.0   |
| 57  | 0.0   | 0.0   | 0.0   |





#41  
Tetrahydrofuran  
Concen: 9.351 ppbv  
RT: 3.056 min Scan# 916  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

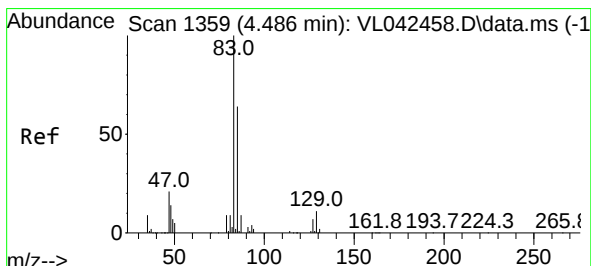
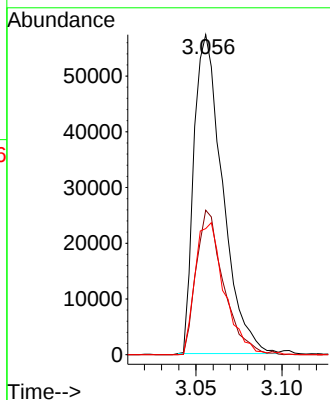
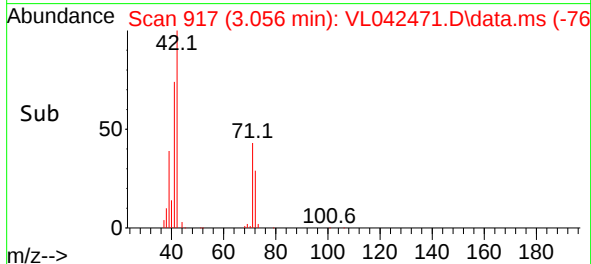
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0505ABS01



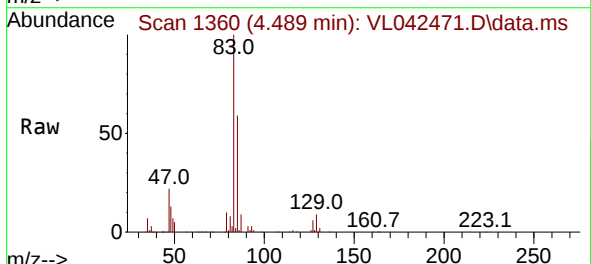
Tgt Ion: 42 Resp: 6625  
Ion Ratio Lower Upper  
42 100  
72 43.7 33.5 50.3  
71 42.5 32.6 49.0

Manual Integrations  
APPROVED

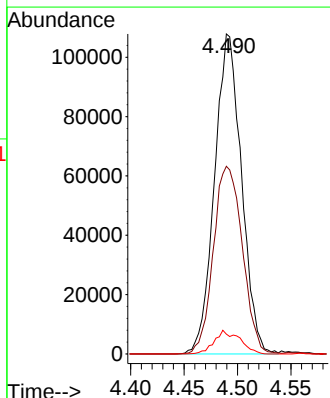
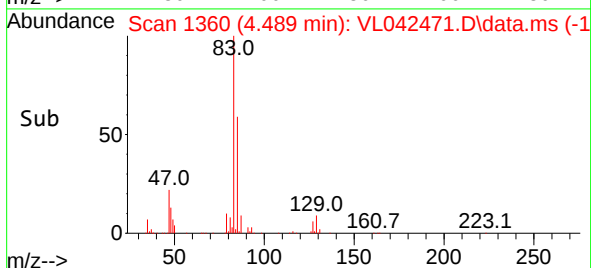
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025

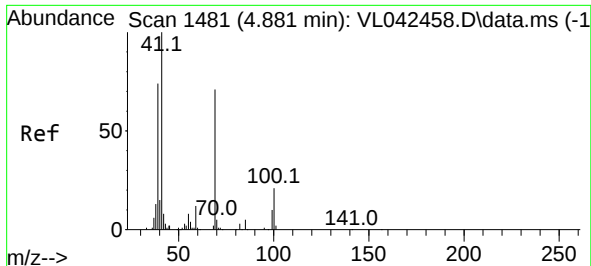


#42  
Bromodichloromethane  
Concen: 10.330 ppbv  
RT: 4.489 min Scan# 1360  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07



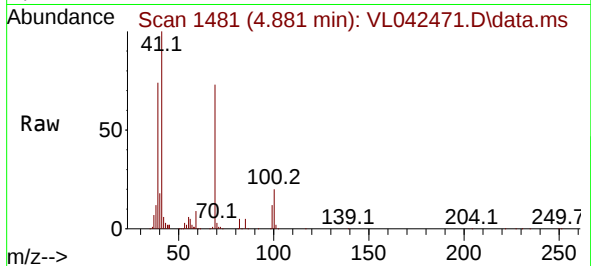
Tgt Ion: 83 Resp: 189214  
Ion Ratio Lower Upper  
83 100  
85 58.6 51.5 77.3  
127 6.2 5.4 8.2





#43  
Methyl Methacrylate  
Concen: 10.326 ppbv  
RT: 4.881 min Scan# 1481  
Delta R.T. 0.000 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

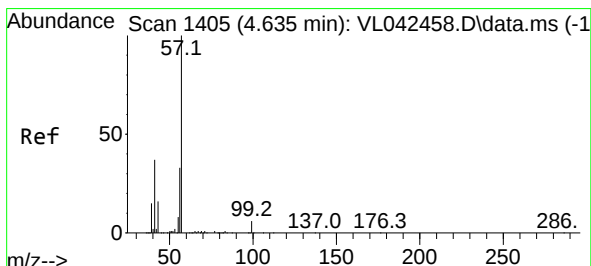
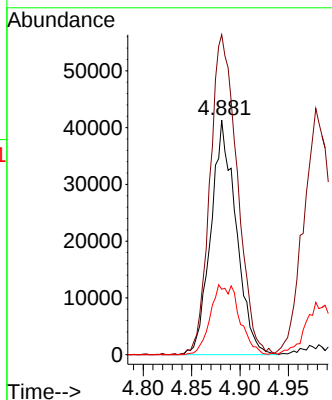
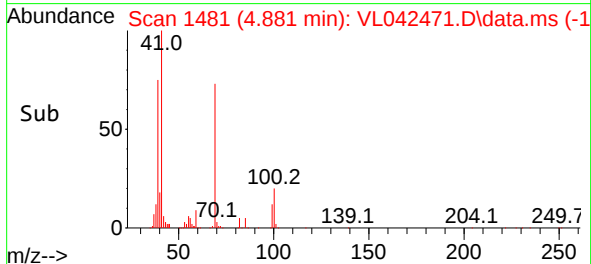
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0505ABS01



Tgt Ion: 69 Resp: 7495  
Ion Ratio Lower Upper  
69 100  
41 147.3 120.8 181.2  
100 34.1 26.7 40.1

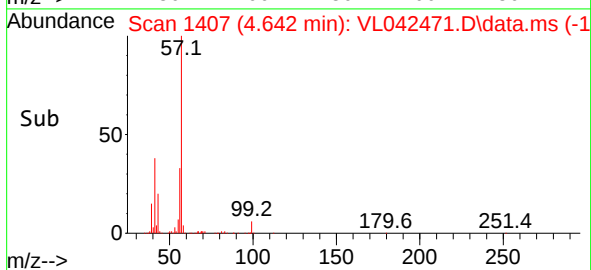
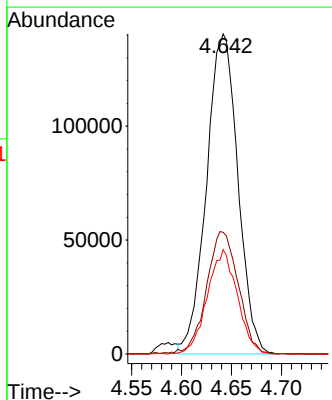
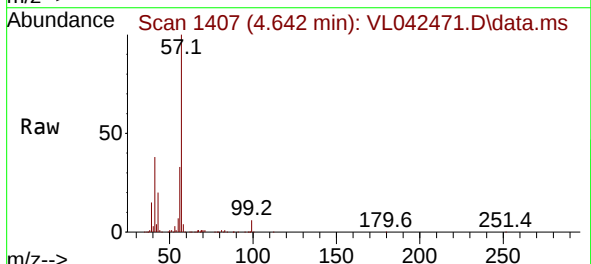
Manual Integrations  
APPROVED

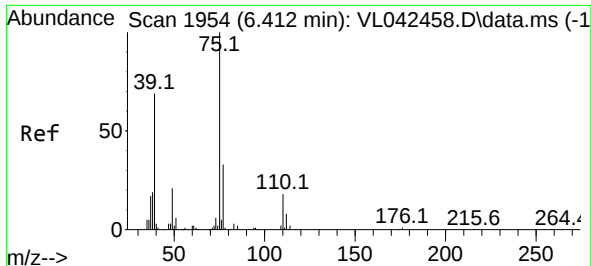
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#44  
2,2,4-Trimethylpentane  
Concen: 9.737 ppbv  
RT: 4.642 min Scan# 1407  
Delta R.T. 0.007 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

Tgt Ion: 57 Resp: 307008  
Ion Ratio Lower Upper  
57 100  
41 39.0 30.6 45.8  
56 31.2 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 10.841 ppbv

RT: 6.415 min Scan# 1954

Delta R.T. 0.003 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Instrument :

MSVOA\_L

ClientSampleId :

VL0505ABS01

Tgt Ion: 75 Resp: 10323

Ion Ratio Lower Upper

75 100

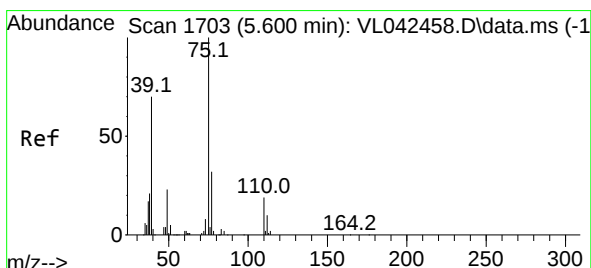
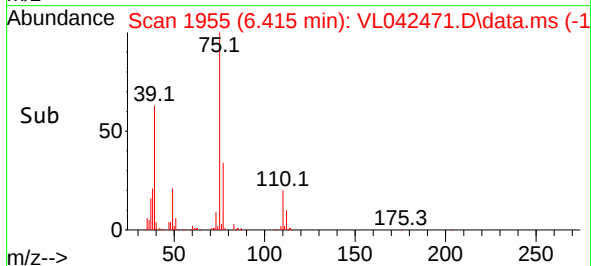
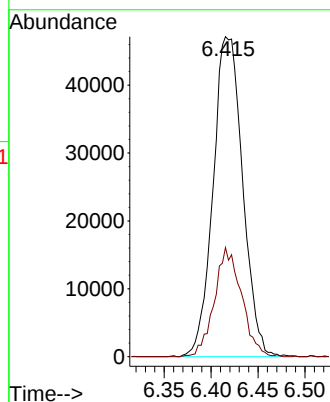
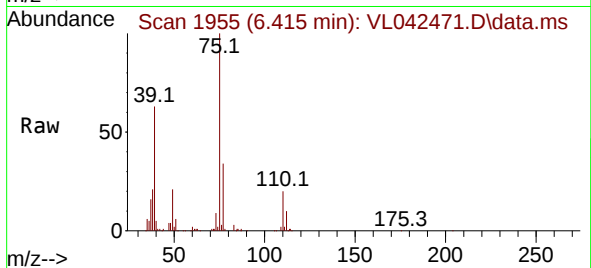
77 34.1 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#46

cis-1,3-Dichloropropene

Concen: 10.313 ppbv

RT: 5.603 min Scan# 1704

Delta R.T. 0.003 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

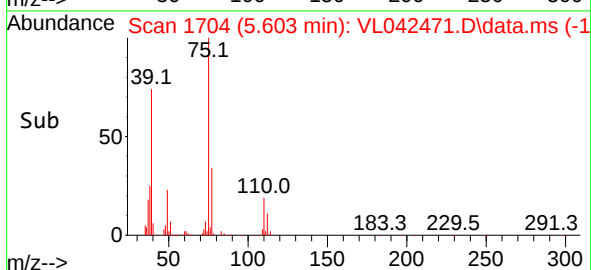
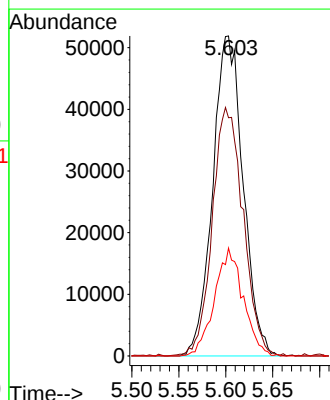
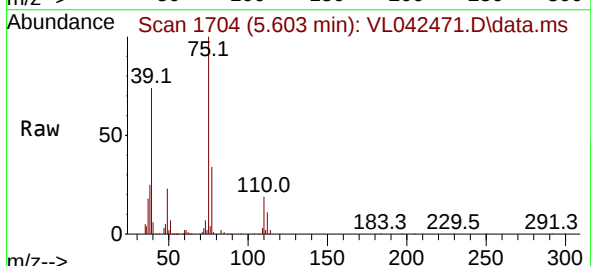
Tgt Ion: 75 Resp: 116725

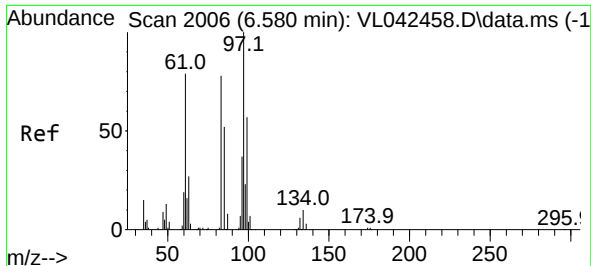
Ion Ratio Lower Upper

75 100

39 74.1 55.7 83.5

77 33.7 25.8 38.8





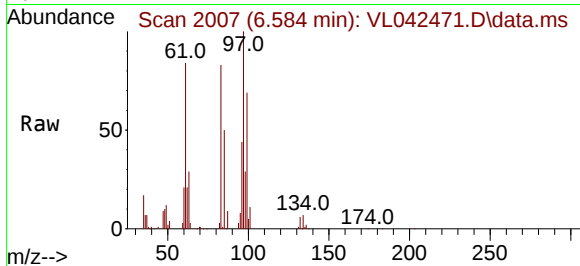
#47  
1,1,2-Trichloroethane  
Concen: 9.648 ppbv  
RT: 6.584 min Scan# 2006  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

Instrument :

MSVOA\_L

ClientSampleId :

VL0505ABS01

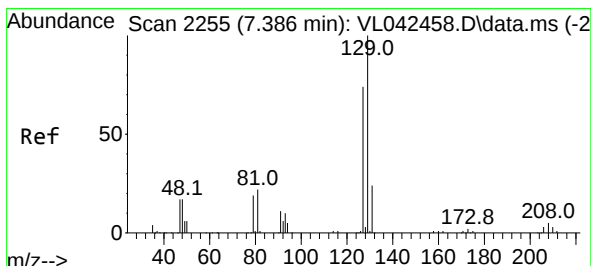
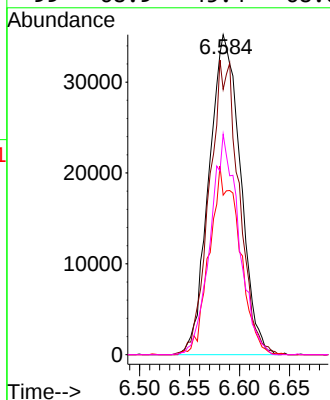
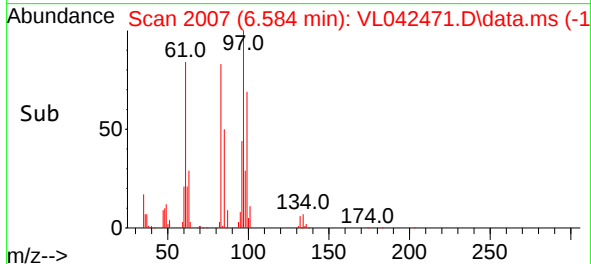


Tgt Ion: 97 Resp: 77049  
Ion Ratio Lower Upper  
97 100  
83 82.7 62.2 93.2  
85 49.7 41.5 62.3  
99 68.9 45.4 68.0#

Manual Integrations

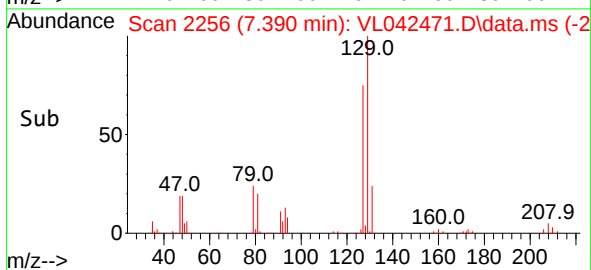
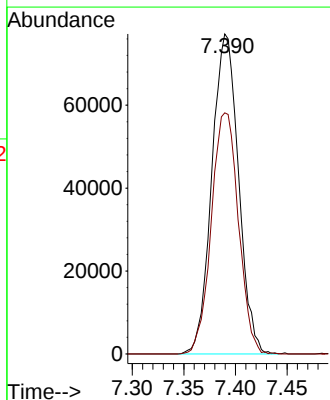
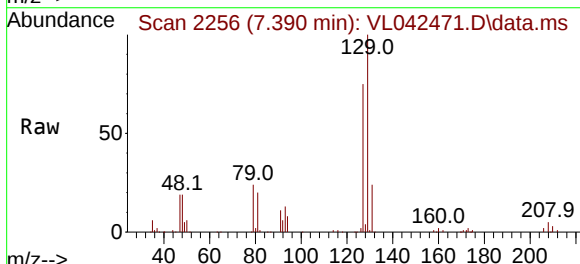
APPROVED

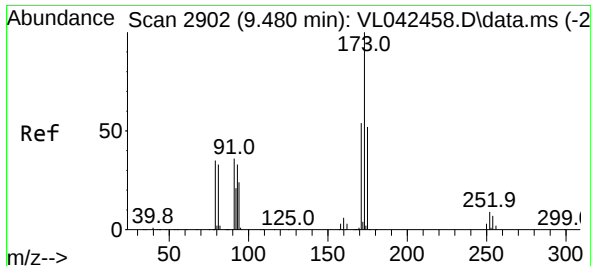
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#48  
Dibromochloromethane  
Concen: 10.274 ppbv  
RT: 7.390 min Scan# 2256  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

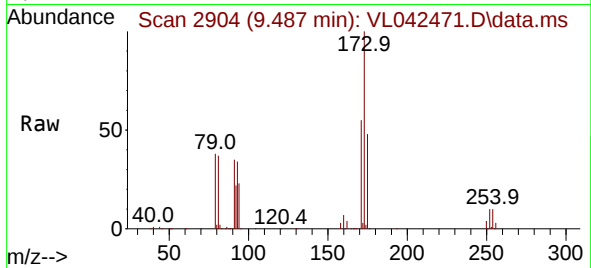
Tgt Ion:129 Resp: 138518  
Ion Ratio Lower Upper  
129 100  
127 76.6 39.5 118.5





#49  
Bromoform  
Concen: 10.115 ppbv  
RT: 9.487 min Scan# 2902  
Delta R.T. 0.007 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

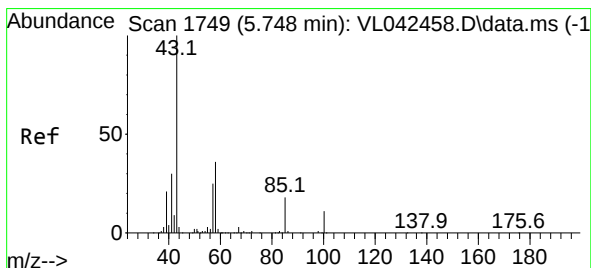
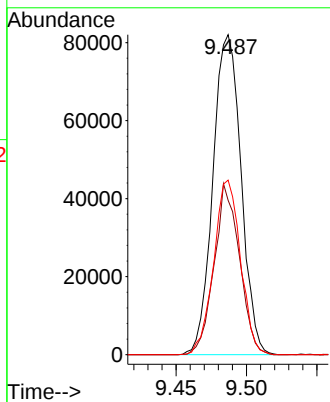
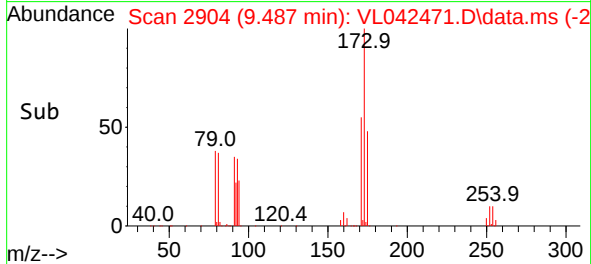
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0505ABS01



Tgt Ion: 173 Resp: 114364  
Ion Ratio Lower Upper  
173 100  
175 48.0 38.9 58.3  
171 52.0 40.6 60.8

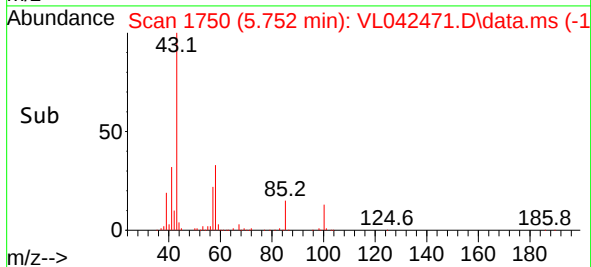
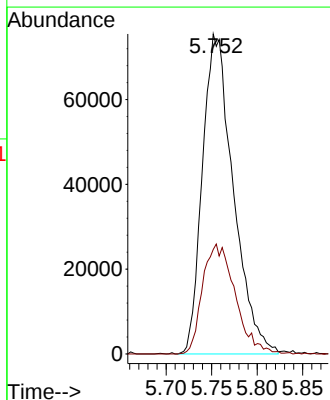
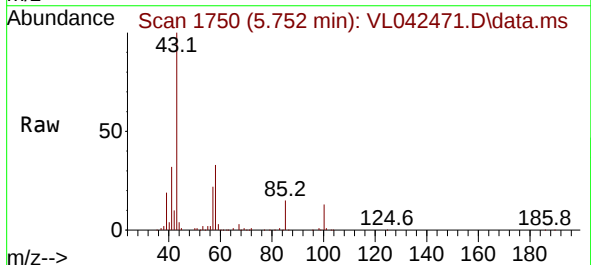
Manual Integrations  
APPROVED

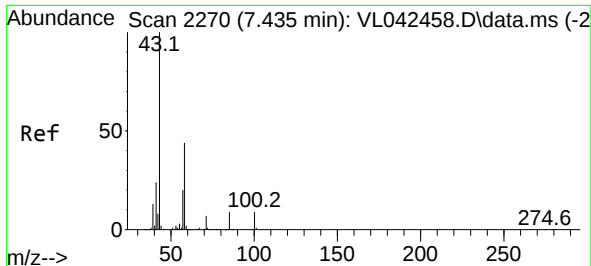
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#50  
4-Methyl-2-Pentanone  
Concen: 9.433 ppbv  
RT: 5.752 min Scan# 1750  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

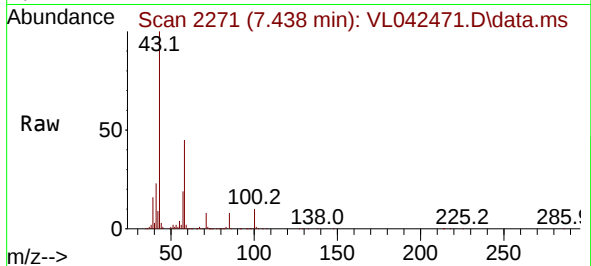
Tgt Ion: 43 Resp: 177898  
Ion Ratio Lower Upper  
43 100  
58 36.4 29.5 44.3





#51  
2-Hexanone  
Concen: 9.631 ppbv  
RT: 7.438 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

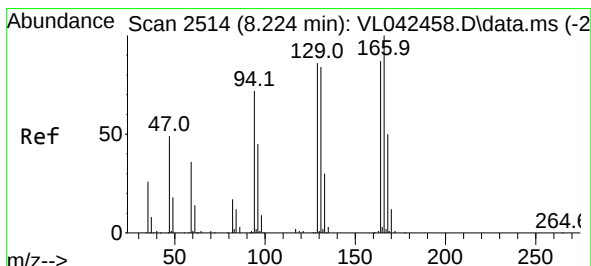
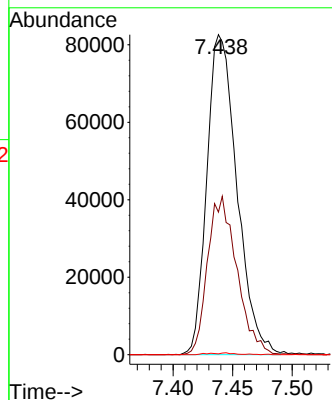
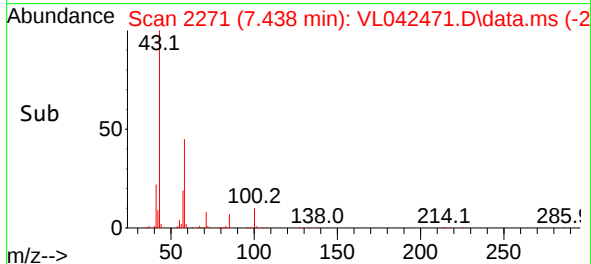
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0505ABS01



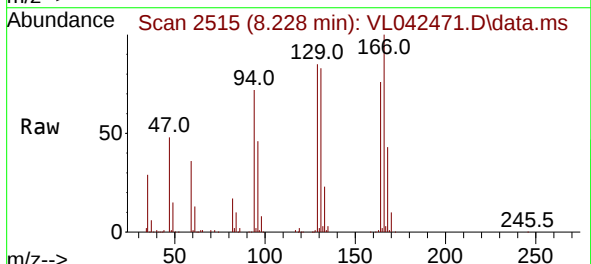
Tgt Ion: 43 Resp: 14521  
Ion Ratio Lower Upper  
43 100  
58 48.1 37.2 55.8  
98 0.5 0.4 0.6

Manual Integrations  
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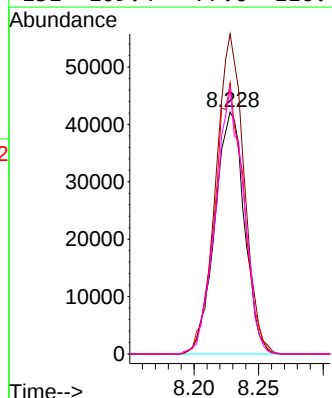
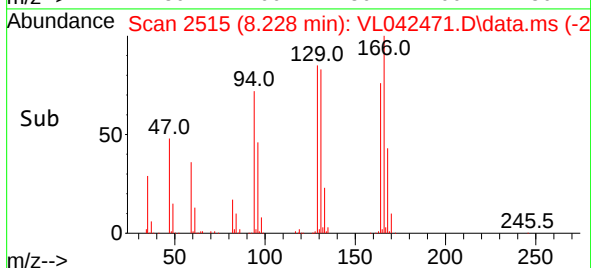
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025

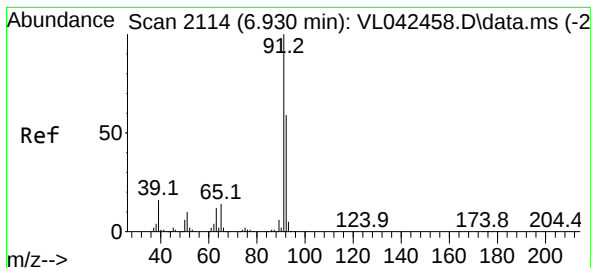


#52  
Tetrachloroethene  
Concen: 9.076 ppbv  
RT: 8.228 min Scan# 2515  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07



Tgt Ion:164 Resp: 67191  
Ion Ratio Lower Upper  
164 100  
166 132.3 91.6 137.4  
129 112.1 79.0 118.4  
131 109.4 77.6 116.4





#53

Toluene

Concen: 10.434 ppbv

RT: 6.936 min Scan# 2114

Delta R.T. 0.007 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Instrument :

MSVOA\_L

ClientSampleId :

VL0505ABS01

Tgt Ion: 91 Resp: 21481

Ion Ratio Lower Upper

91 100

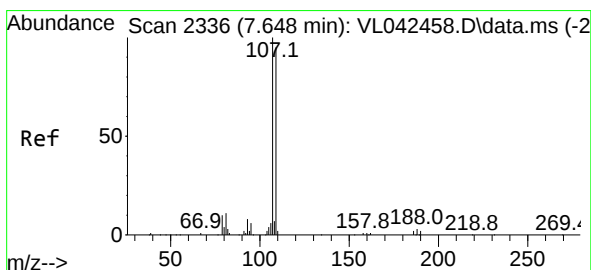
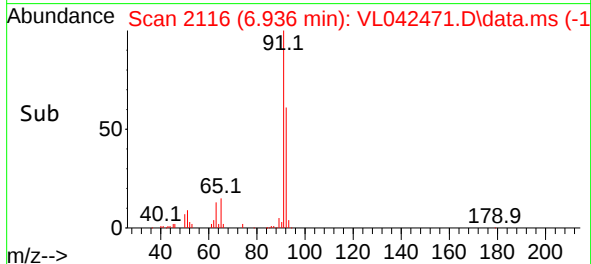
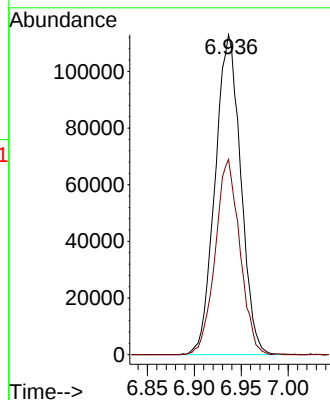
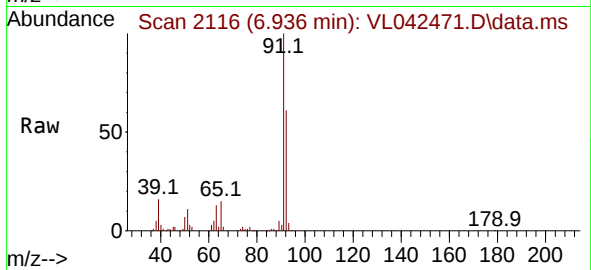
92 58.6 47.9 71.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#54

1,2-Dibromoethane

Concen: 9.619 ppbv

RT: 7.655 min Scan# 2338

Delta R.T. 0.007 min

Lab File: VL042471.D

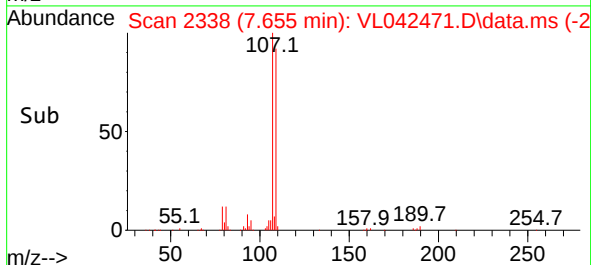
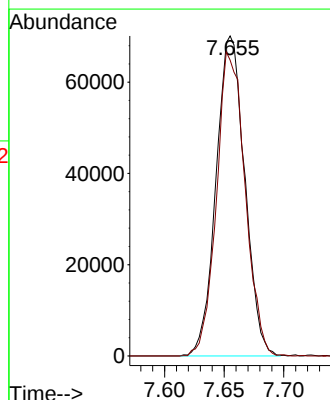
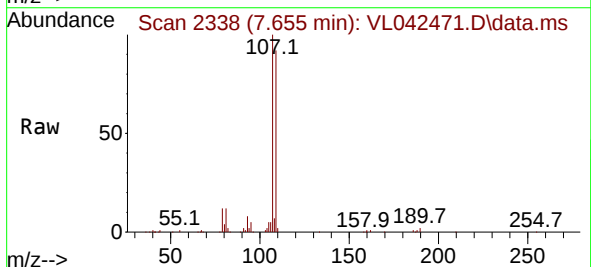
Acq: 05 May 2025 10:07

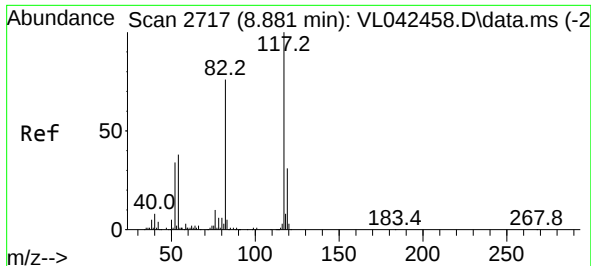
Tgt Ion:107 Resp: 117449

Ion Ratio Lower Upper

107 100

109 92.4 76.0 114.0





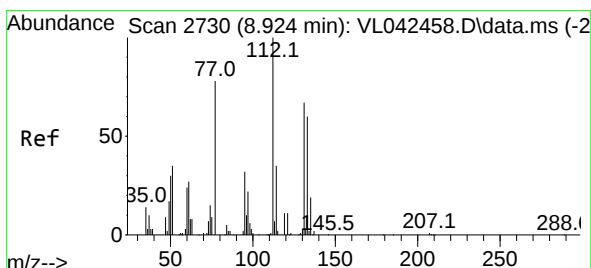
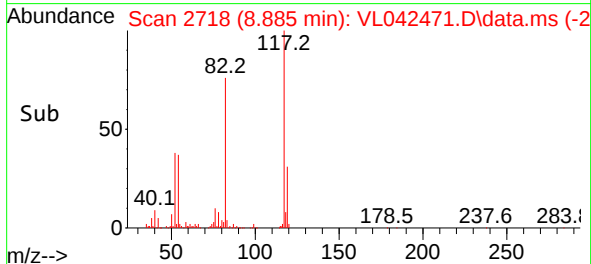
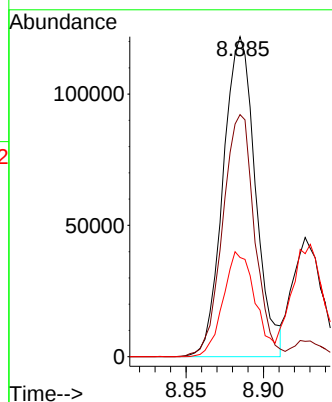
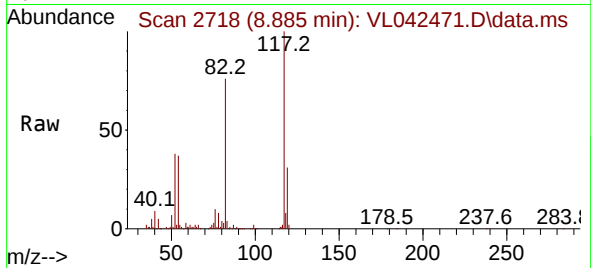
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.885 min Scan# 2717  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0505ABS01

Tgt Ion:117 Resp: 17706  
Ion Ratio Lower Upper  
117 100  
82 79.0 63.5 95.3  
119 32.0 25.8 38.8

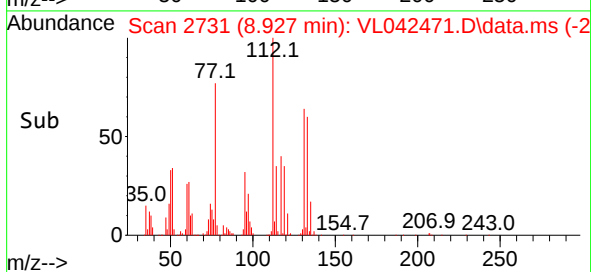
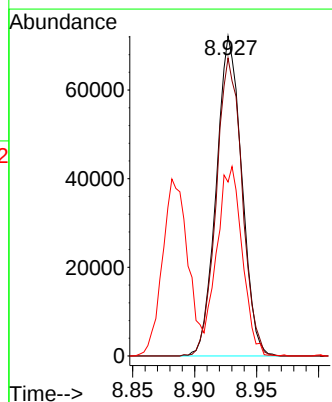
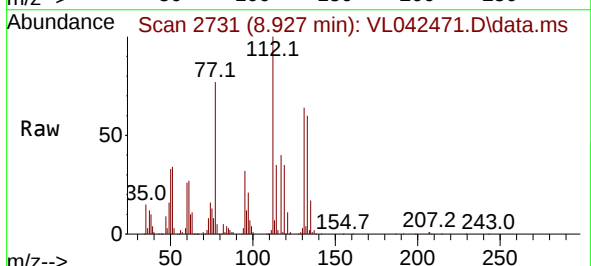
Manual Integrations  
APPROVED

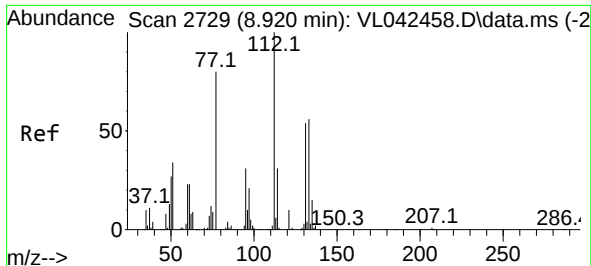
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#56  
1,1,1,2-Tetrachloroethane  
Concen: 9.897 ppbv  
RT: 8.927 min Scan# 2731  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

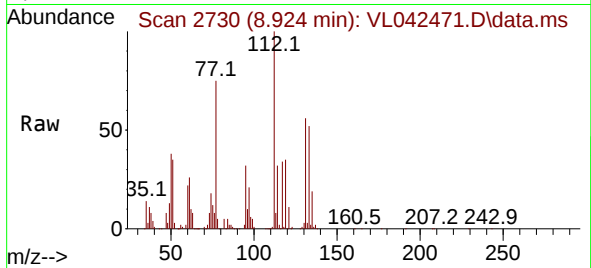
Tgt Ion:131 Resp: 103494  
Ion Ratio Lower Upper  
131 100  
133 94.7 76.0 114.0  
119 60.9 46.1 69.1





#57  
Chlorobenzene  
Concen: 9.495 ppbv  
RT: 8.924 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

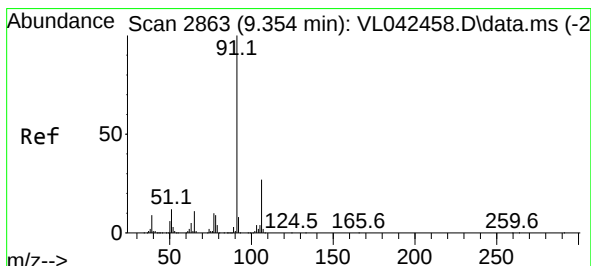
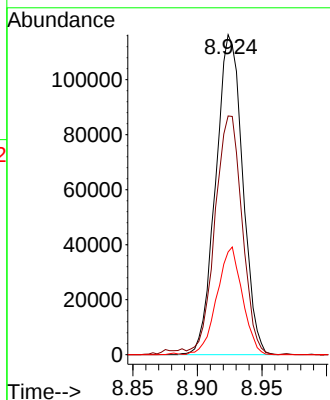
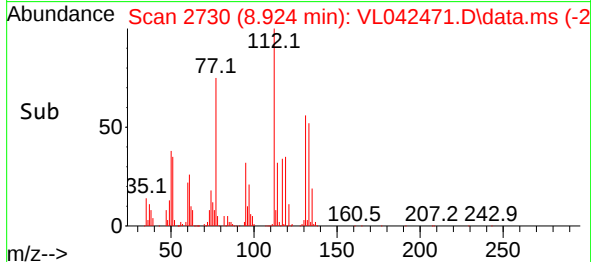
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0505ABS01



Tgt Ion:112 Resp: 16894  
Ion Ratio Lower Upper  
112 100  
77 74.5 65.0 97.4  
114 32.1 27.5 33.7

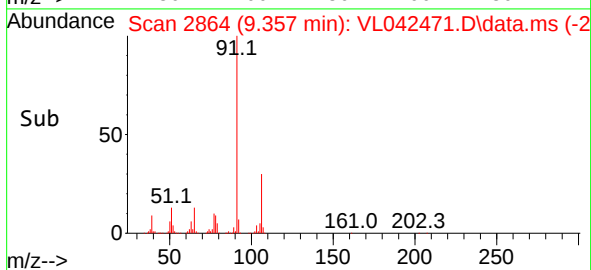
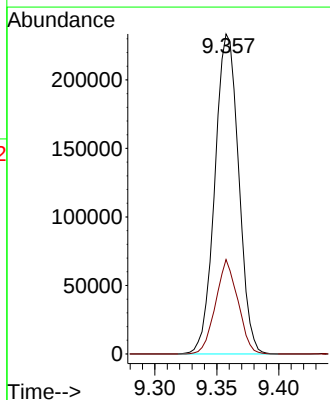
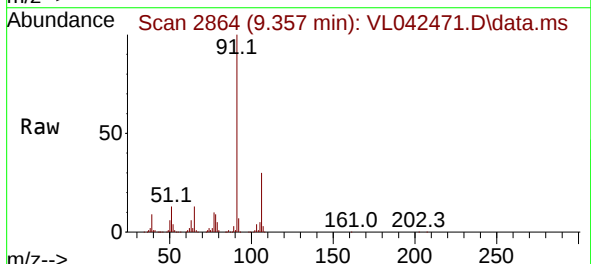
Manual Integrations  
APPROVED

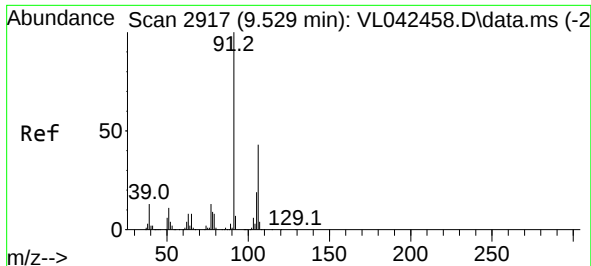
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#58  
Ethyl Benzene  
Concen: 10.568 ppbv  
RT: 9.357 min Scan# 2864  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

Tgt Ion: 91 Resp: 312698  
Ion Ratio Lower Upper  
91 100  
106 29.5 21.9 32.9





#59

m/p-Xylene

Concen: 21.473 ppbv m

RT: 9.552 min Scan# 2917

Delta R.T. 0.023 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Instrument :

MSVOA\_L

ClientSampleId :

VL0505ABS01

Tgt Ion: 91 Resp: 53266

Ion Ratio Lower Upper

91 100

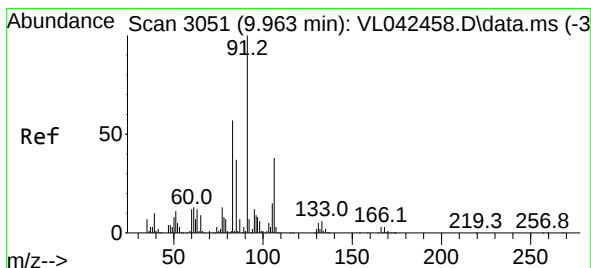
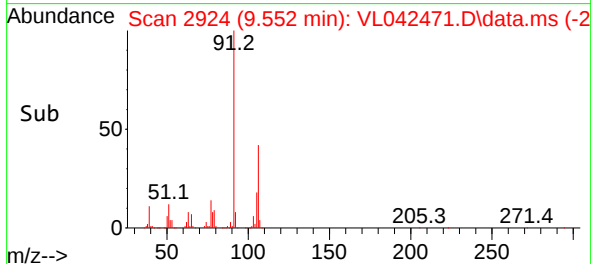
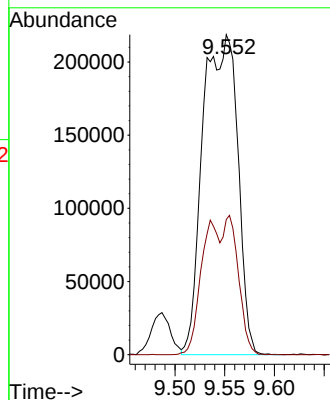
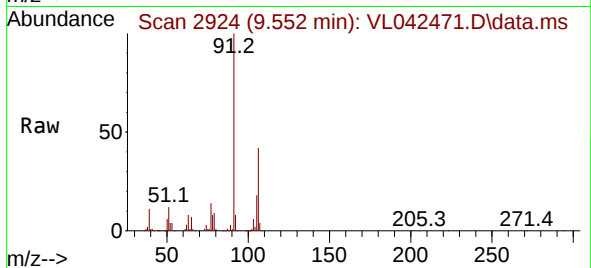
106 0.0 34.2 51.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#60

o-Xylene

Concen: 10.758 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VL042471.D

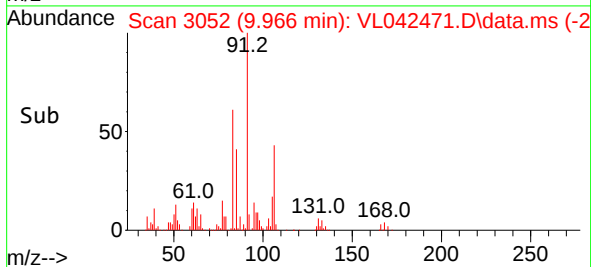
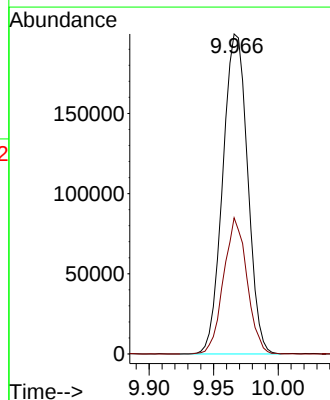
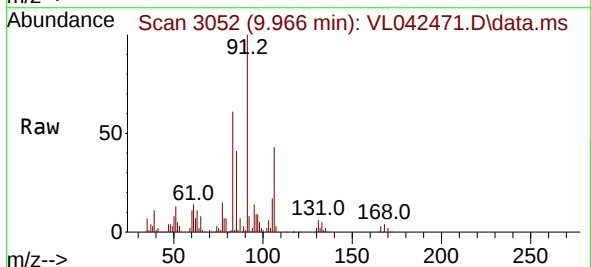
Acq: 05 May 2025 10:07

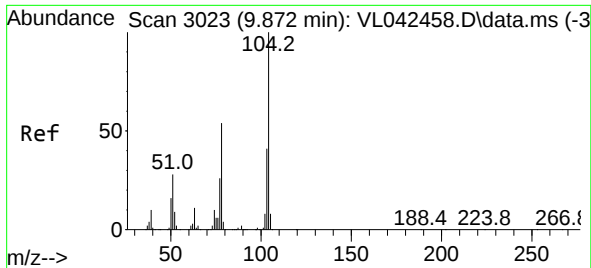
Tgt Ion: 91 Resp: 267198

Ion Ratio Lower Upper

91 100

106 40.1 20.1 60.2





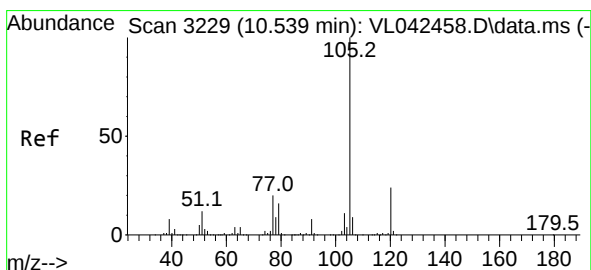
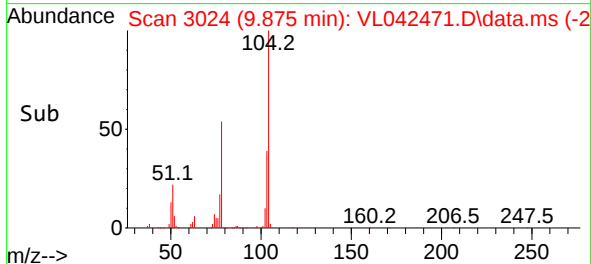
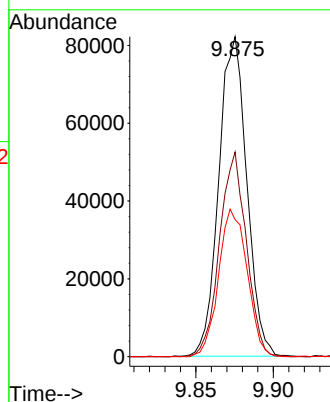
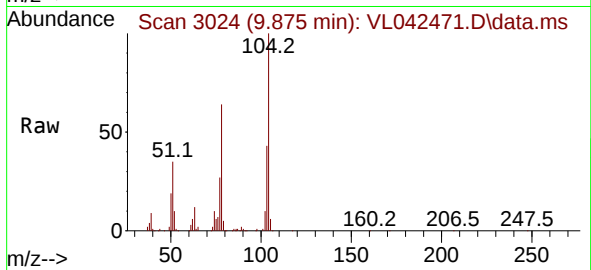
#61  
Styrene  
Concen: 11.138 ppbv  
RT: 9.875 min Scan# 3023  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0505ABS01

Tgt Ion:104 Resp: 10323  
Ion Ratio Lower Upper  
104 100  
78 61.4 46.9 70.3  
103 47.1 36.6 55.0

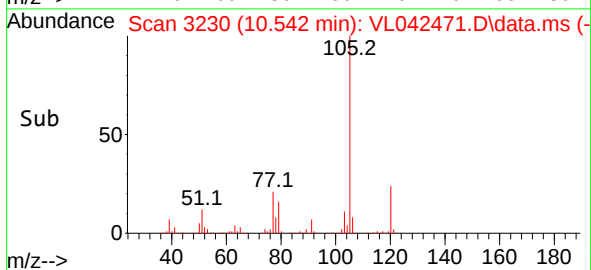
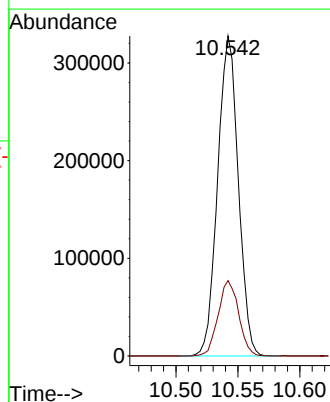
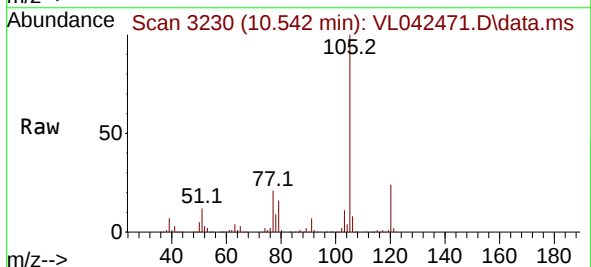
Manual Integrations  
APPROVED

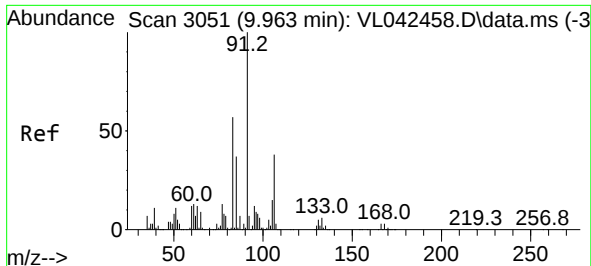
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#62  
Isopropylbenzene  
Concen: 10.630 ppbv  
RT: 10.542 min Scan# 3230  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

Tgt Ion:105 Resp: 380840  
Ion Ratio Lower Upper  
105 100  
120 23.4 18.8 28.2





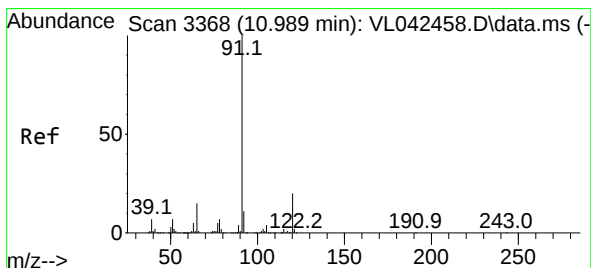
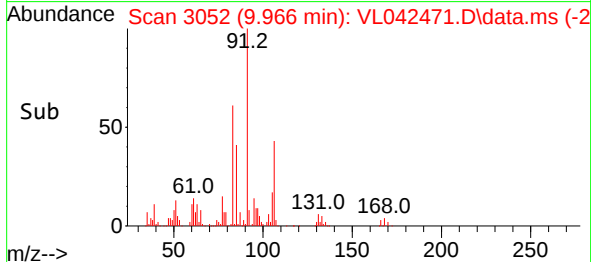
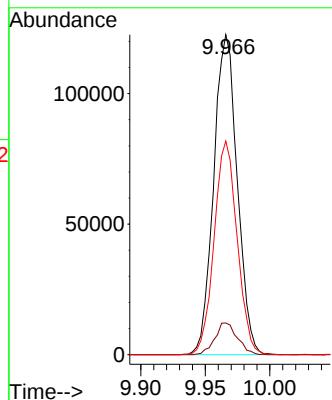
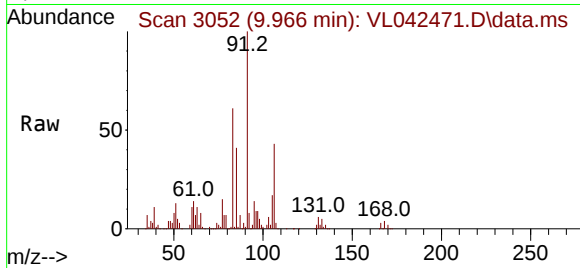
#63  
1,1,2,2-Tetrachloroethane  
Concen: 9.079 ppbv  
RT: 9.966 min Scan# 3051  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0505ABS01

Tgt Ion: 83 Resp: 15545  
Ion Ratio Lower Upper  
83 100  
131 9.5 4.7 14.1  
85 65.1 32.5 97.4

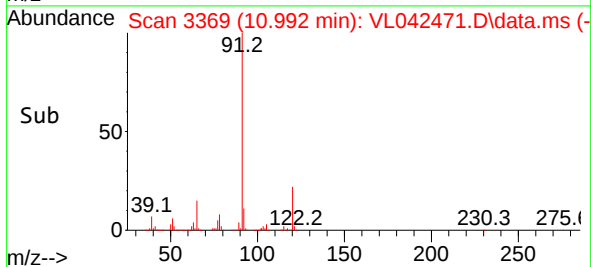
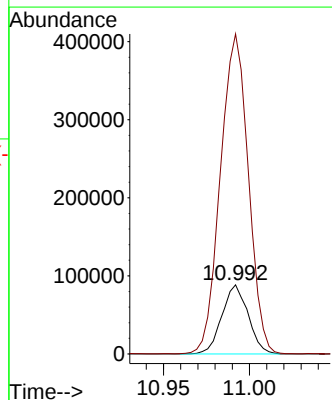
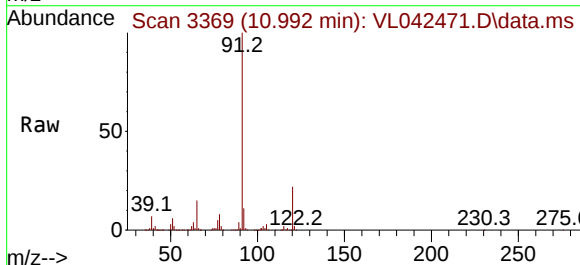
Manual Integrations  
APPROVED

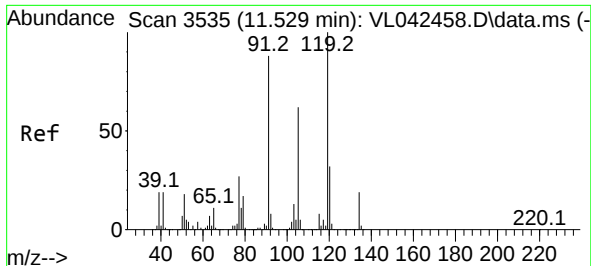
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#64  
n-propylbenzene  
Concen: 10.714 ppbv  
RT: 10.992 min Scan# 3369  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

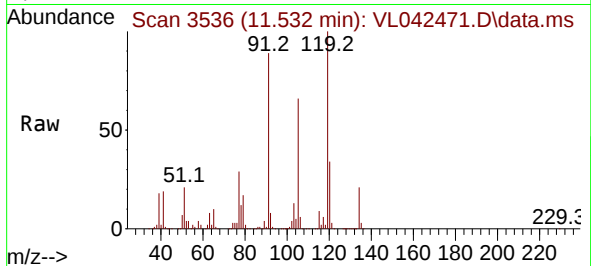
Tgt Ion:120 Resp: 93814  
Ion Ratio Lower Upper  
120 100  
91 495.0 408.6 612.8





#65  
tert-Butylbenzene  
Concen: 10.697 ppbv  
RT: 11.532 min Scan# 3536  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

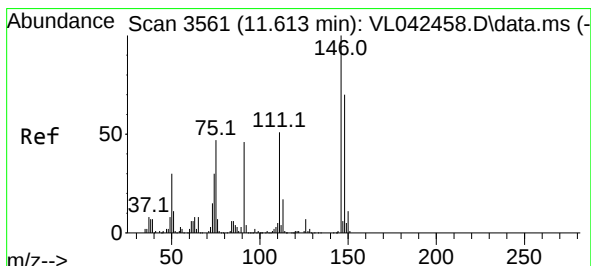
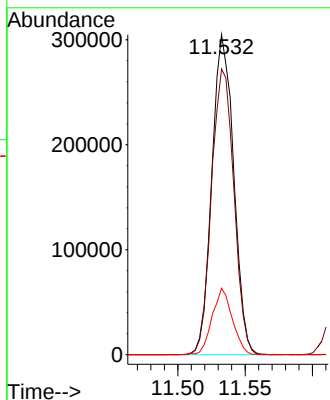
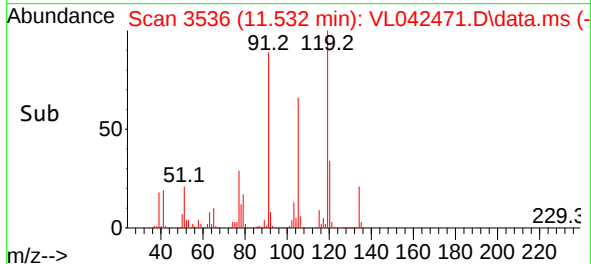
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0505ABS01



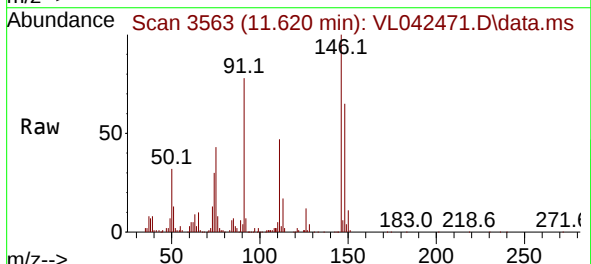
Tgt Ion: 119 Resp: 342014  
Ion Ratio Lower Upper  
119 100  
91 92.3 71.6 107.4  
134 19.3 15.0 22.4

Manual Integrations  
APPROVED

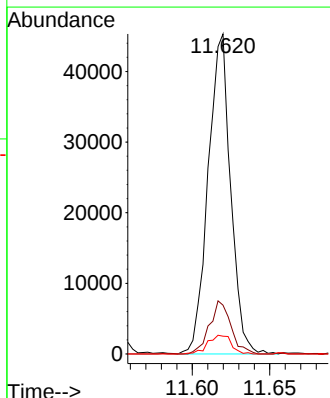
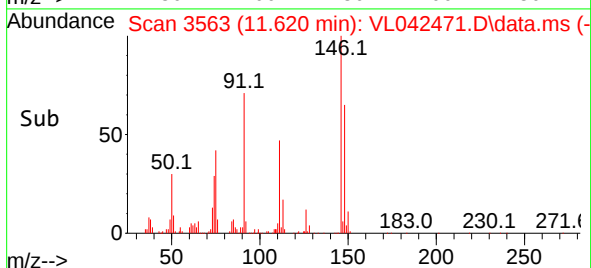
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025

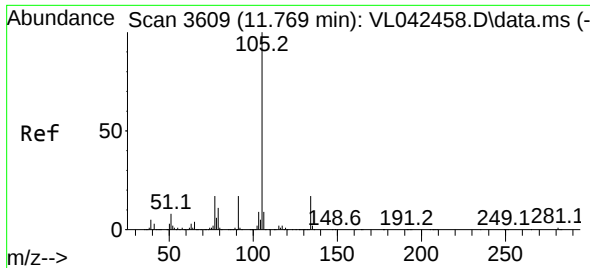


#66  
Benzyl Chloride  
Concen: 12.370 ppbv  
RT: 11.620 min Scan# 3563  
Delta R.T. 0.007 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07



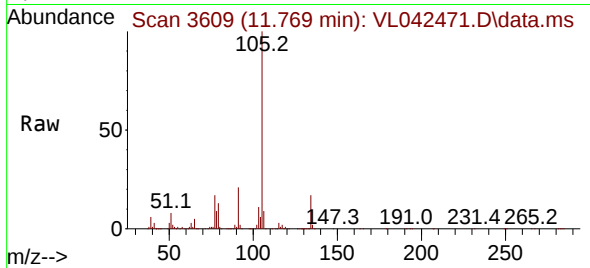
Tgt Ion: 91 Resp: 45711  
Ion Ratio Lower Upper  
91 100  
126 15.7 13.3 19.9  
128 6.1 4.2 6.4





#67  
 sec-Butylbenzene  
 Concen: 10.565 ppbv  
 RT: 11.769 min Scan# 3609  
 Delta R.T. 0.000 min  
 Lab File: VL042471.D  
 Acq: 05 May 2025 10:07

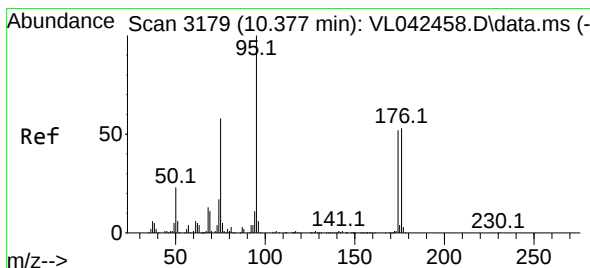
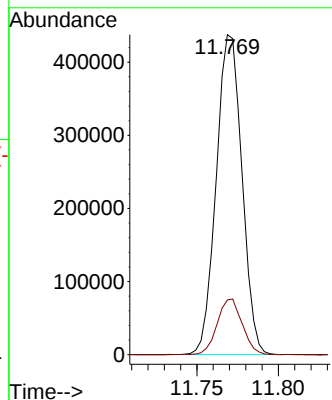
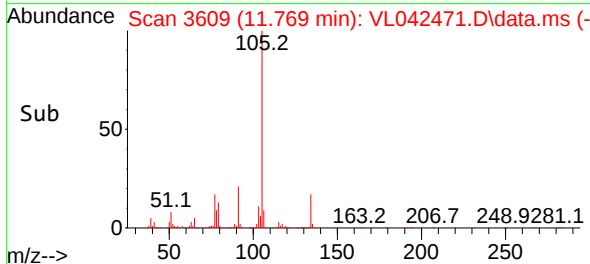
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0505ABS01



Tgt Ion: 105 Resp: 480000  
 Ion Ratio Lower Upper  
 105 100  
 134 17.0 14.1 21.1

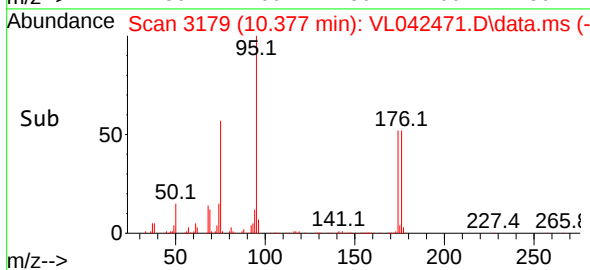
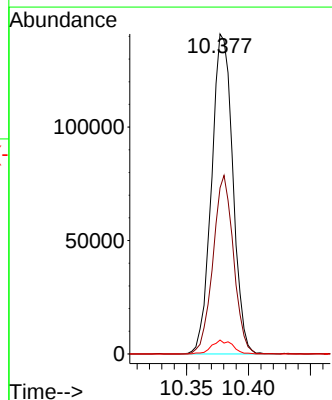
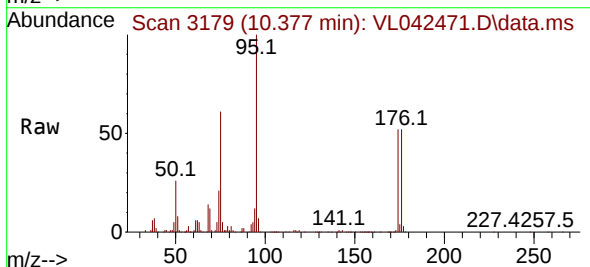
Manual Integrations  
 APPROVED

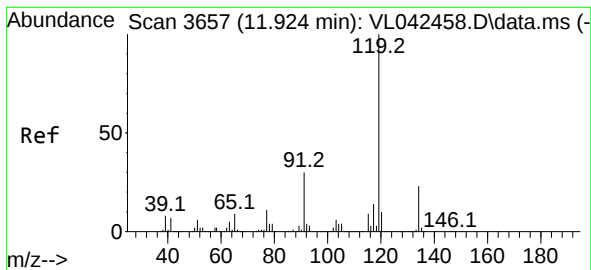
Reviewed By : Semsettin Yesilyurt 05/06/2025  
 Supervised By : Mahesh Dadoda 05/06/2025



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.273 ppbv  
 RT: 10.377 min Scan# 3179  
 Delta R.T. 0.000 min  
 Lab File: VL042471.D  
 Acq: 05 May 2025 10:07

Tgt Ion: 95 Resp: 168649  
 Ion Ratio Lower Upper  
 95 100  
 174 54.0 42.7 64.1  
 175 4.3 3.6 5.4





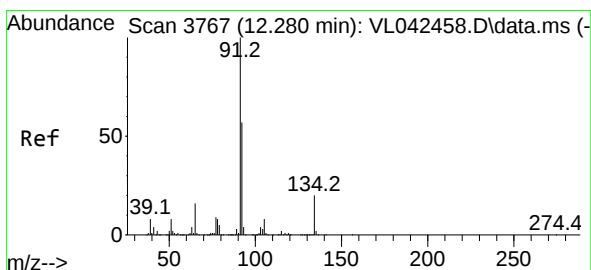
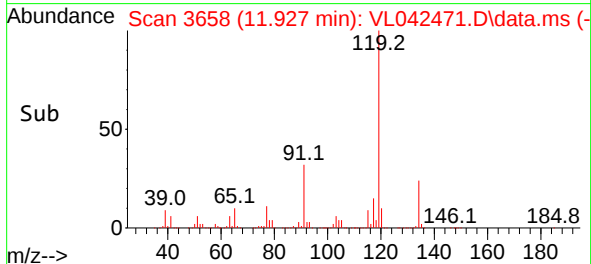
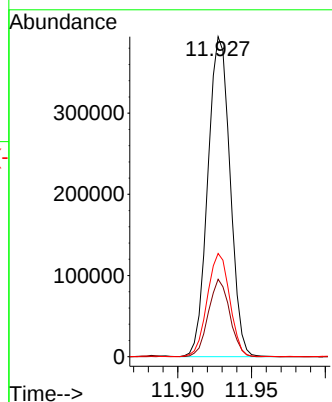
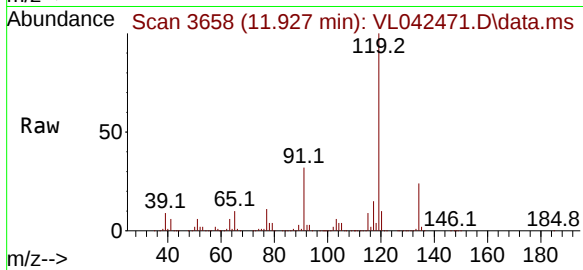
#69  
p-Isopropyltoluene  
Concen: 10.786 ppbv  
RT: 11.927 min Scan# 3658  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0505ABS01

Tgt Ion:119 Resp: 412889  
Ion Ratio Lower Upper  
119 100  
134 23.4 19.0 28.4  
91 32.8 25.5 38.3

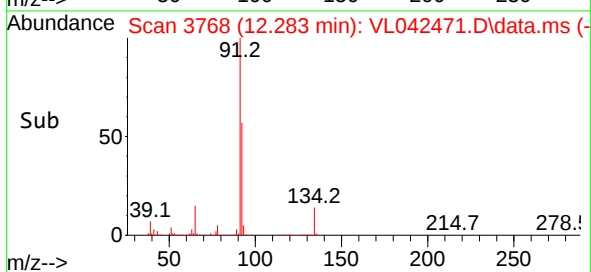
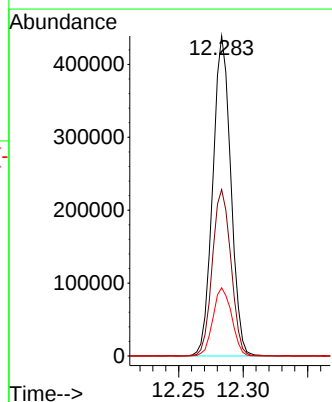
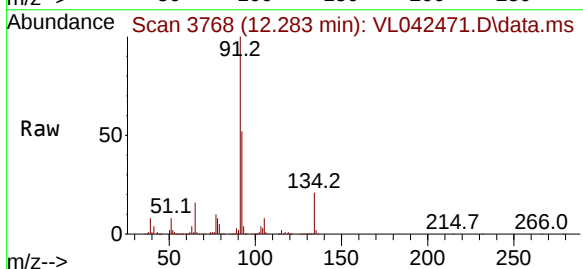
Manual Integrations  
APPROVED

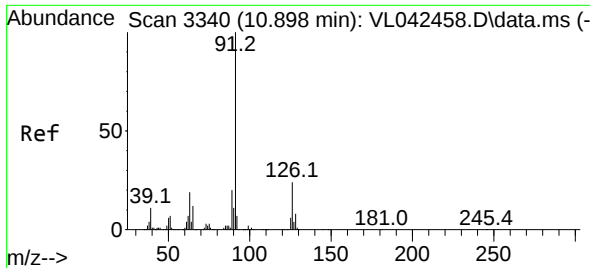
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#70  
n-Butylbenzene  
Concen: 10.756 ppbv  
RT: 12.283 min Scan# 3768  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

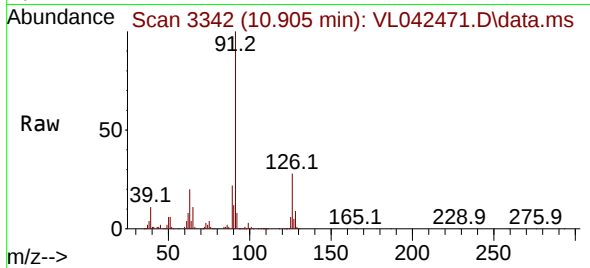
Tgt Ion: 91 Resp: 425652  
Ion Ratio Lower Upper  
91 100  
92 53.5 44.0 66.0  
134 22.1 16.8 25.2





#71  
2-Chlorotoluene  
Concen: 10.741 ppbv  
RT: 10.905 min Scan# 31  
Delta R.T. 0.007 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

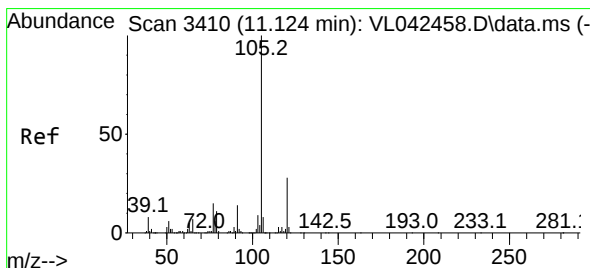
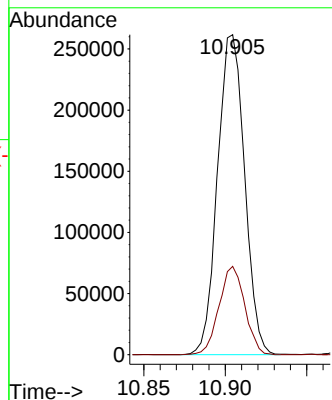
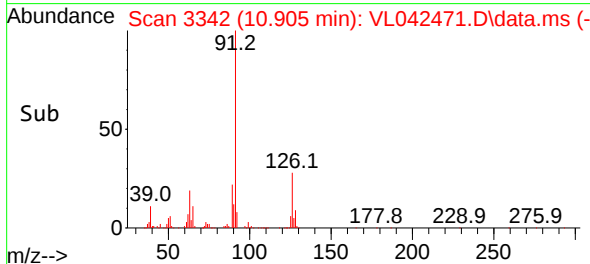
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0505ABS01



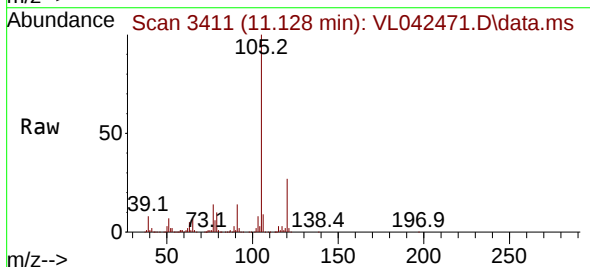
Tgt Ion: 91 Resp: 30181  
Ion Ratio Lower Upper  
91 100  
126 26.2 10.6 42.2

Manual Integrations  
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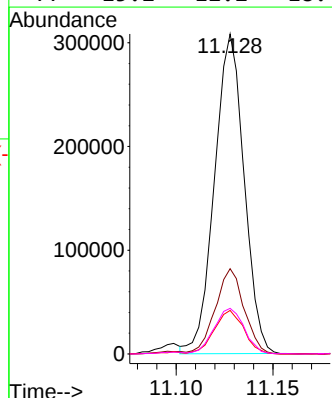
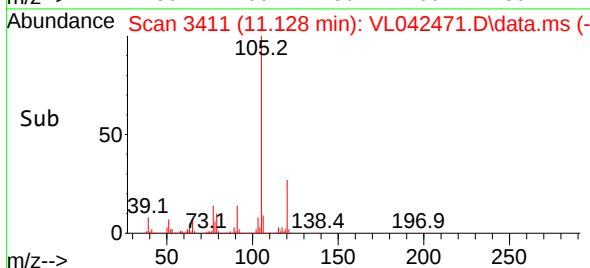
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025

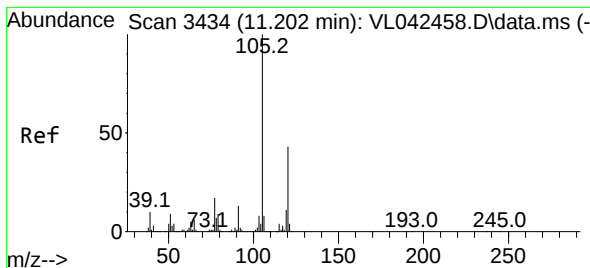


#72  
4-Ethyltoluene  
Concen: 11.161 ppbv  
RT: 11.128 min Scan# 3411  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07



Tgt Ion:105 Resp: 326835  
Ion Ratio Lower Upper  
105 100  
120 26.8 22.0 33.0  
91 14.2 11.2 16.8  
77 15.2 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 10.900 ppbv

RT: 11.206 min Scan# 3434

Delta R.T. 0.003 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Instrument :

MSVOA\_L

ClientSampleId :

VL0505ABS01

Tgt Ion:105 Resp: 280710

Ion Ratio Lower Upper

105 100

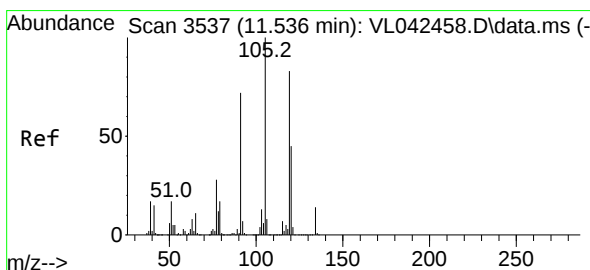
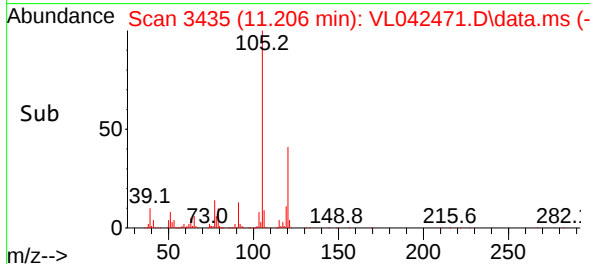
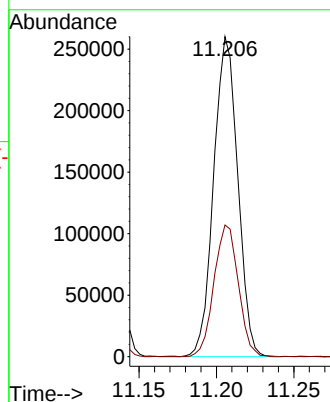
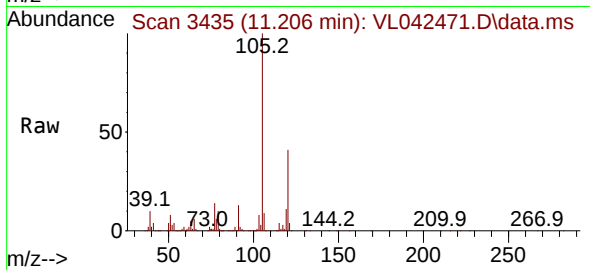
120 41.2 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#74

1,2,4-Trimethylbenzene

Concen: 10.143 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Tgt Ion:105 Resp: 316052

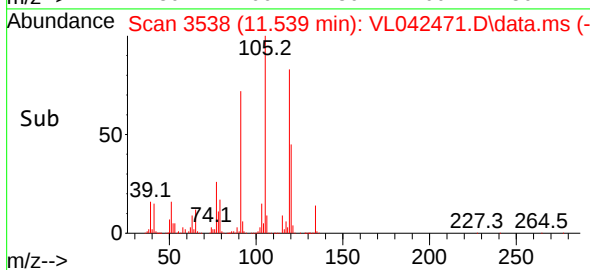
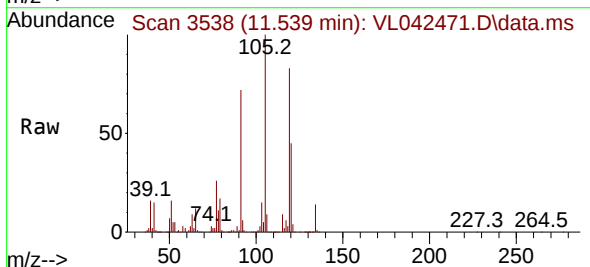
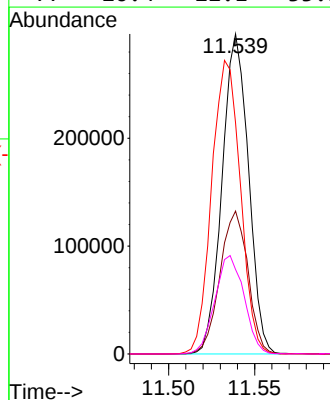
Ion Ratio Lower Upper

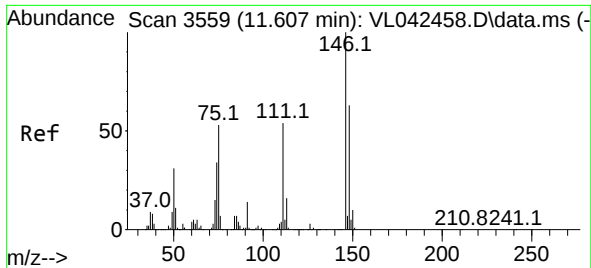
105 100

120 44.6 36.1 54.1

91 72.2 57.6 86.4

77 26.4 22.1 33.1





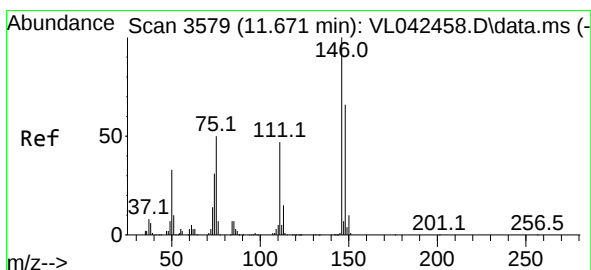
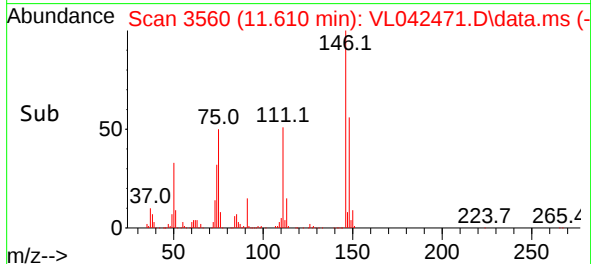
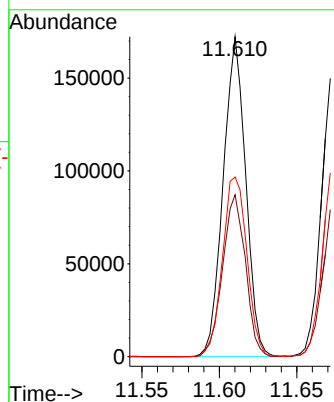
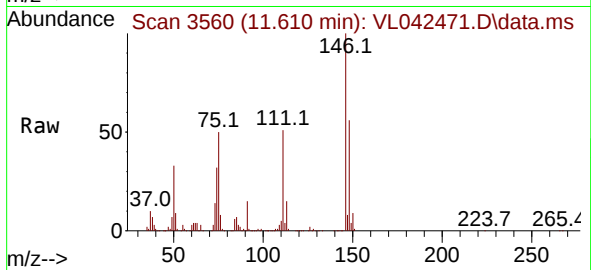
#75  
1,3-Dichlorobenzene  
Concen: 10.046 ppbv  
RT: 11.610 min Scan# 3559  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0505ABS01

Tgt Ion:146 Resp: 174274  
Ion Ratio Lower Upper  
146 100  
111 51.5 26.1 78.3  
148 61.0 32.0 96.0

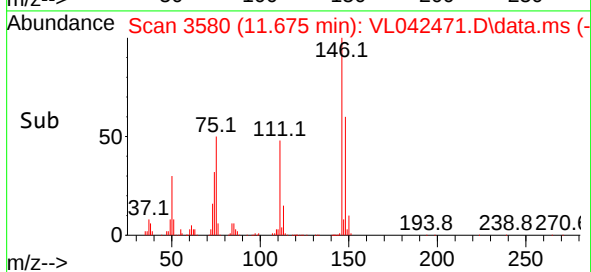
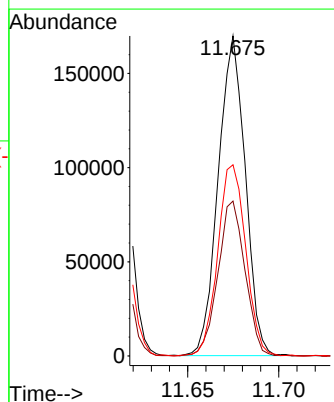
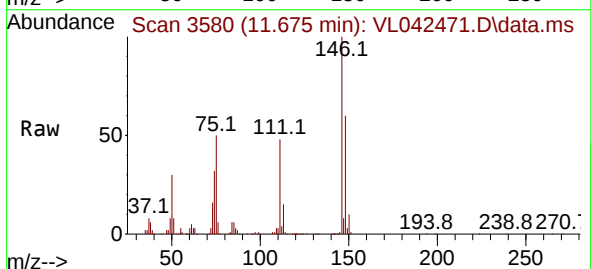
Manual Integrations  
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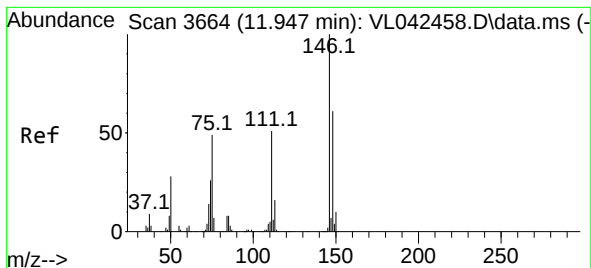
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#76  
1,4-Dichlorobenzene  
Concen: 10.651 ppbv  
RT: 11.675 min Scan# 3580  
Delta R.T. 0.003 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

Tgt Ion:146 Resp: 174860  
Ion Ratio Lower Upper  
146 100  
111 48.7 24.4 73.2  
148 62.1 32.0 96.2





#77

1,2-Dichlorobenzene

Concen: 9.801 ppbv

RT: 11.950 min Scan# 30

Delta R.T. 0.003 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Instrument :

MSVOA\_L

ClientSampleId :

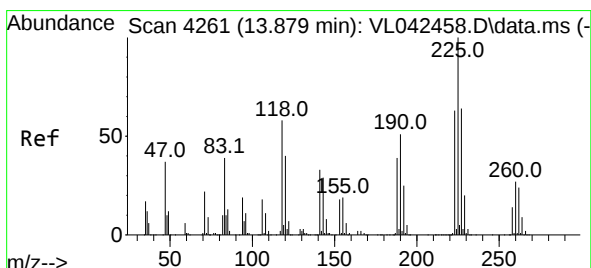
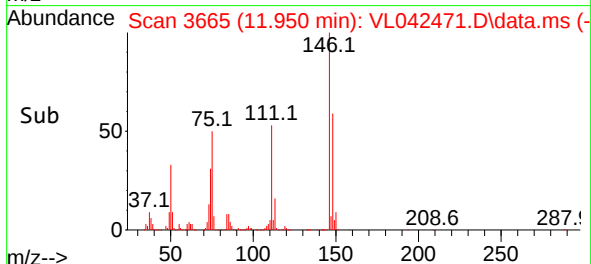
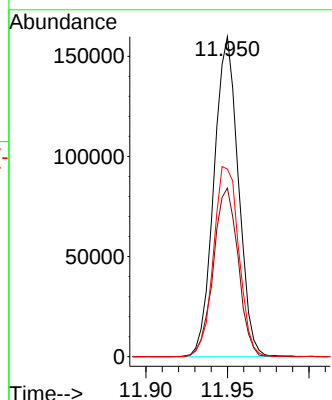
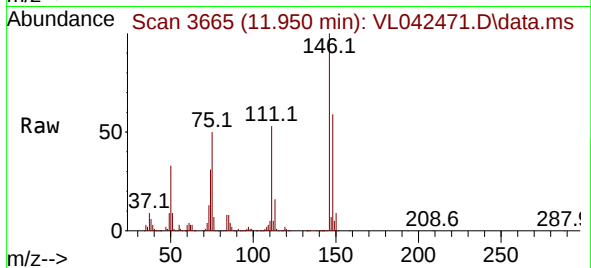
VL0505ABS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 16642 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 53.6  | 26.5  | 79.5  |
| 148       | 61.7  | 31.5  | 94.5  |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#78

Hexachloro-1,3-Butadiene

Concen: 9.032 ppbv

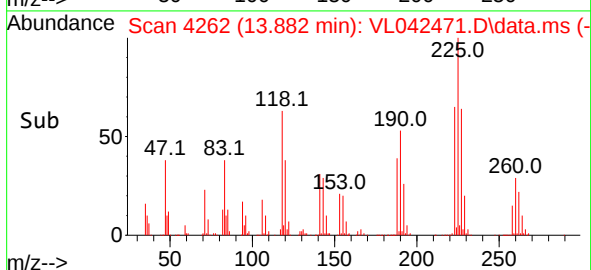
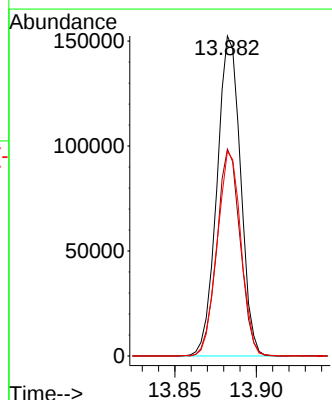
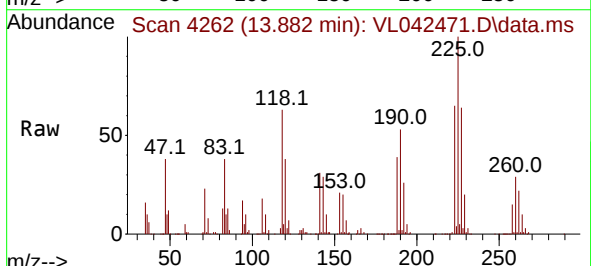
RT: 13.882 min Scan# 4262

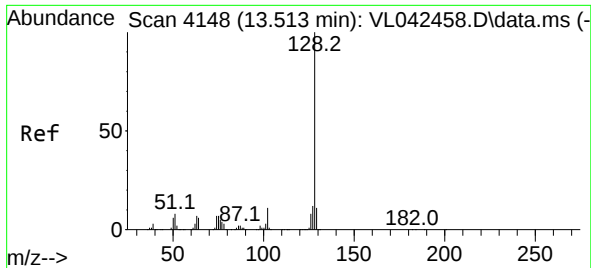
Delta R.T. 0.003 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

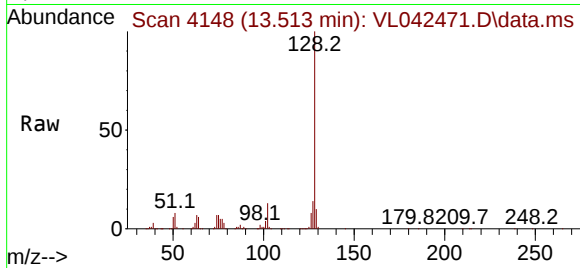
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 153156 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 63.9  | 50.2  | 75.4   |
| 227       | 64.5  | 51.2  | 76.8   |





#79  
Naphthalene  
Concen: 10.911 ppbv  
RT: 13.513 min Scan# 4148  
Delta R.T. 0.000 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07

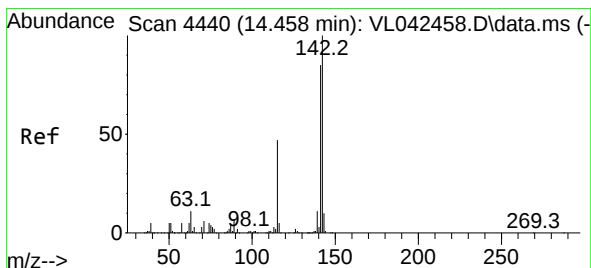
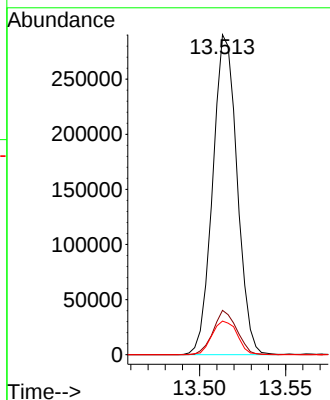
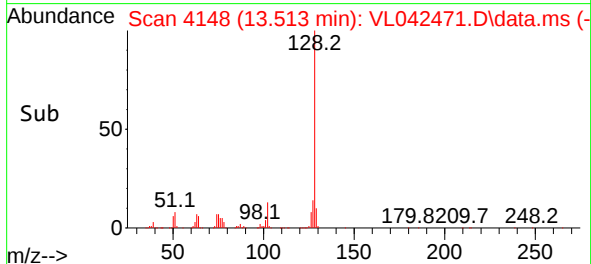
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0505ABS01



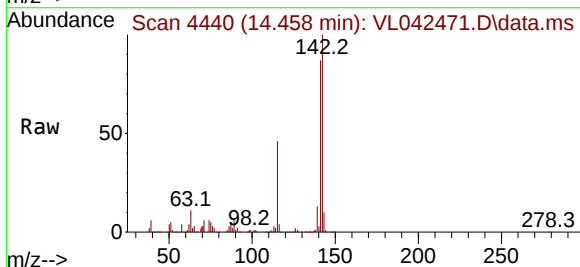
Tgt Ion:128 Resp: 286218  
Ion Ratio Lower Upper  
128 100  
127 13.9 9.7 14.5  
129 10.5 8.6 13.0

Manual Integrations  
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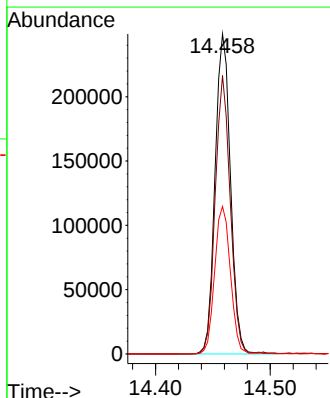
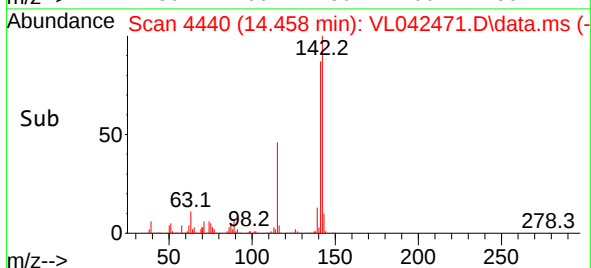
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025

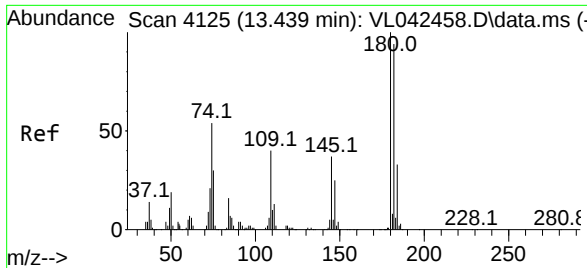


#80  
Naphthalene,2-methyl-  
Concen: 11.932 ppbv  
RT: 14.458 min Scan# 4440  
Delta R.T. 0.000 min  
Lab File: VL042471.D  
Acq: 05 May 2025 10:07



Tgt Ion:142 Resp: 232641  
Ion Ratio Lower Upper  
142 100  
141 85.1 67.4 101.0  
115 47.3 36.9 55.3





#81

1,2,4-Trichlorobenzene

Concen: 10.513 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042471.D

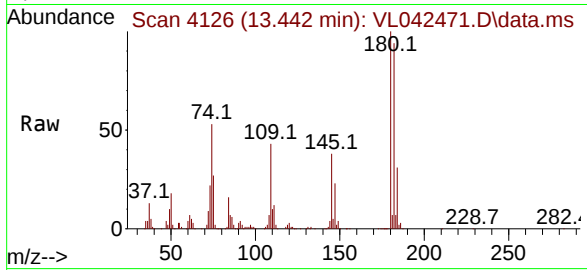
Acq: 05 May 2025 10:07

Instrument :

MSVOA\_L

ClientSampleId :

VL0505ABS01



Tgt Ion:180 Resp: 14708

Ion Ratio Lower Upper

180 100

182 94.3 74.6 111.8

184 31.0 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025

