

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL110325\  
 Data File : VL043137.D  
 Acq On : 03 Nov 2025 08:33  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2025  
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 04 03:05:45 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL101425AIR.M

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

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.781 | 49   | 122269   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.949 | 114  | 405030   | 10.000 | ppbv  | -0.01    |
| 55) Chlorobenzene-d5    | 8.872 | 117  | 363489   | 10.000 | ppbv  | -0.01    |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.371 95 281587 9.967 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.700%

Target Compounds

|                                 |       |     |        |        |        | Qvalue |
|---------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane      | 1.496 | 85  | 164242 | 9.449  | ppbv   | 100    |
| 3) Chlorodifluoromethane        | 1.473 | 51  | 178758 | 9.505  | ppbv   | 100    |
| 4) Chloromethane                | 1.531 | 50  | 59943  | 8.705  | ppbv   | 96     |
| 5) Vinyl Chloride               | 1.580 | 62  | 57847  | 8.565  | ppbv   | 97     |
| 6) Bromomethane                 | 1.667 | 94  | 34176  | 9.228  | ppbv   | 98     |
| 7) Chloroethane                 | 1.703 | 64  | 24710  | 8.948  | ppbv   | 94     |
| 8) Dichlorotetrafluoroethane    | 1.554 | 85  | 133425 | 9.497  | ppbv   | 93     |
| 9) Propene                      | 1.483 | 41  | 77522  | 9.294  | ppbv   | 99     |
| 10) Heptane                     | 4.969 | 43  | 219812 | 9.154  | ppbv   | 100    |
| 11) Trichlorofluoromethane      | 1.875 | 101 | 169034 | 9.942  | ppbv   | 95     |
| 12) 1,1,2-Trichlorotrifluoro... | 2.137 | 101 | 133669 | 9.765  | ppbv   | 94     |
| 13) Ethanol                     | 1.719 | 45  | 21883  | 7.093  | ppbv   | 98     |
| 14) Bromoethene                 | 1.781 | 108 | 48915  | 9.619  | ppbv   | 98     |
| 15) Acetone                     | 1.832 | 43  | 135078 | 8.196  | ppbv   | 98     |
| 16) 1,3-Butadiene               | 1.606 | 39  | 64869  | 8.259  | ppbv   | 97     |
| 17) tert-Butyl alcohol          | 2.036 | 59  | 212302 | 9.385  | ppbv   | 99     |
| 18) 1,1-Dichloroethene          | 2.033 | 96  | 59840  | 10.027 | ppbv   | 86     |
| 19) Isopropyl Alcohol           | 1.881 | 45  | 88539  | 8.626  | ppbv   | 97     |
| 20) Methylene Chloride          | 2.059 | 84  | 50588  | 7.766  | ppbv   | 88     |
| 21) Allyl Chloride              | 2.095 | 41  | 108458 | 8.931  | ppbv   | 96     |
| 22) trans-1,2-Dichloroethene    | 2.337 | 96  | 68932  | 9.663  | ppbv   | 93     |
| 23) Vinyl Acetate               | 2.457 | 43  | 254381 | 10.537 | ppbv   | 99     |
| 24) 1,1-Dichloroethane          | 2.405 | 63  | 129883 | 9.424  | ppbv   | 100    |
| 25) Ethyl Acetate               | 2.829 | 43  | 392119 | 9.595  | ppbv   | 100    |
| 26) Hexane                      | 2.823 | 57  | 180827 | 9.602  | ppbv   | 97     |
| 27) Carbon Disulfide            | 2.146 | 76  | 167624 | 9.715  | ppbv   | 96     |
| 28) Methyl tert-Butyl Ether     | 2.434 | 73  | 78889  | 9.208  | ppbv   | 95     |
| 29) Chloroform                  | 2.842 | 83  | 272560 | 9.989  | ppbv   | 99     |
| 30) Cyclohexane                 | 3.849 | 84  | 158753 | 9.659  | ppbv   | 94     |
| 31) cis-1,2-Dichloroethene      | 2.716 | 61  | 181735 | 10.106 | ppbv   | 94     |
| 32) 1,1,1-Trichloroethane       | 3.360 | 97  | 285213 | 10.038 | ppbv   | 98     |
| 34) 2-Butanone                  | 2.551 | 43  | 248495 | 9.127  | ppbv   | 97     |
| 35) Carbon Tetrachloride        | 3.755 | 117 | 291623 | 10.014 | ppbv   | 94     |
| 36) Benzene                     | 3.651 | 78  | 368027 | 9.647  | ppbv   | 98     |
| 37) 1,2-Dichloroethane          | 3.211 | 62  | 205502 | 9.351  | ppbv   | 100    |
| 38) Trichloroethene             | 4.538 | 130 | 150562 | 9.450  | ppbv   | 97     |
| 39) 1,2-Dichloropropane         | 4.305 | 63  | 131638 | 9.439  | ppbv   | 96     |
| 40) 1,4-Dioxane                 | 4.567 | 88  | 59189  | 9.484  | ppbv # | 96     |
| 41) Tetrahydrofuran             | 3.046 | 42  | 137503 | 9.030  | ppbv   | 98     |
| 42) Bromodichloromethane        | 4.480 | 83  | 303111 | 9.966  | ppbv   | 95     |
| 43) Methyl Methacrylate         | 4.865 | 69  | 177666 | 9.170  | ppbv   | 98     |
| 44) 2,2,4-Trimethylpentane      | 4.629 | 57  | 603249 | 9.373  | ppbv   | 99     |
| 45) t-1,3-Dichloropropene       | 6.399 | 75  | 188975 | 9.719  | ppbv   | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL110325\  
 Data File : VL043137.D  
 Acq On : 03 Nov 2025 08:33  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/04/2025  
 Supervised By : Mahesh Dadoda 11/05/2025

Quant Time: Nov 04 03:05:45 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL101425AIR.M

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

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

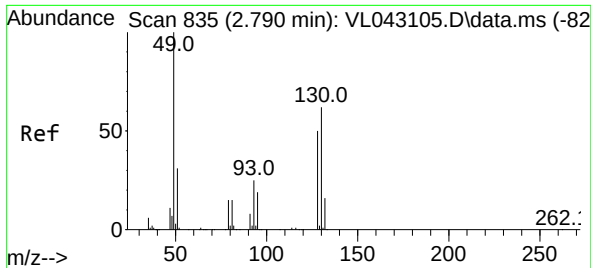
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.587  | 75   | 224505   | 9.666  | ppbv   | 97       |
| 47) 1,1,2-Trichloroethane     | 6.568  | 97   | 146134   | 9.703  | ppbv   | 95       |
| 48) Dibromochloromethane      | 7.377  | 129  | 261549   | 10.387 | ppbv   | 97       |
| 49) Bromoform                 | 9.474  | 173  | 220575   | 10.777 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.733  | 43   | 340366   | 9.059  | ppbv   | 100      |
| 51) 2-Hexanone                | 7.422  | 43   | 260908   | 9.258  | ppbv # | 99       |
| 52) Tetrachloroethene         | 8.215  | 164  | 139823   | 10.164 | ppbv   | 97       |
| 53) Toluene                   | 6.920  | 91   | 429585   | 9.488  | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 7.642  | 107  | 228778   | 9.698  | ppbv   | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 8.914  | 131  | 234465   | 10.233 | ppbv   | 99       |
| 57) Chlorobenzene             | 8.914  | 112  | 327054   | 9.618  | ppbv   | 99       |
| 58) Ethyl Benzene             | 9.348  | 91   | 594108   | 9.524  | ppbv   | 100      |
| 59) m/p-Xylene                | 9.542  | 91   | 938313m  | 18.858 | ppbv   |          |
| 60) o-Xylene                  | 9.956  | 91   | 461992   | 9.401  | ppbv   | 100      |
| 61) Styrene                   | 9.863  | 104  | 211885   | 9.551  | ppbv   | 100      |
| 62) Isopropylbenzene          | 10.533 | 105  | 847198   | 9.541  | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 9.953  | 83   | 292938   | 8.902  | ppbv   | 99       |
| 64) n-propylbenzene           | 10.982 | 120  | 222061   | 9.446  | ppbv   | 99       |
| 65) tert-Butylbenzene         | 11.526 | 119  | 718206   | 9.159  | ppbv   | 99       |
| 66) Benzyl Chloride           | 11.610 | 91   | 82278    | 9.427  | ppbv   | 99       |
| 67) sec-Butylbenzene          | 11.762 | 105  | 1023625  | 9.198  | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 11.921 | 119  | 870091   | 9.200  | ppbv   | 99       |
| 70) n-Butylbenzene            | 12.277 | 91   | 859996   | 9.228  | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 10.895 | 91   | 629003   | 9.287  | ppbv   | 98       |
| 72) 4-Ethyltoluene            | 11.118 | 105  | 576358   | 9.538  | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 11.196 | 105  | 473349   | 9.499  | ppbv   | 96       |
| 74) 1,2,4-Trimethylbenzene    | 11.533 | 105  | 511430   | 9.171  | ppbv # | 86       |
| 75) 1,3-Dichlorobenzene       | 11.601 | 146  | 313761   | 9.701  | ppbv   | 98       |
| 76) 1,4-Dichlorobenzene       | 11.665 | 146  | 315542   | 9.675  | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 11.940 | 146  | 296707   | 9.483  | ppbv   | 98       |
| 78) Hexachloro-1,3-Butadiene  | 13.876 | 225  | 225057   | 9.290  | ppbv   | 99       |
| 79) Naphthalene               | 13.507 | 128  | 534462   | 9.169  | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 14.452 | 142  | 173337   | 11.414 | ppbv   | 99       |
| 81) 1,2,4-Trichlorobenzene    | 13.436 | 180  | 241795   | 9.994  | ppbv   | 98       |

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

## Manual Integrations APPROVED

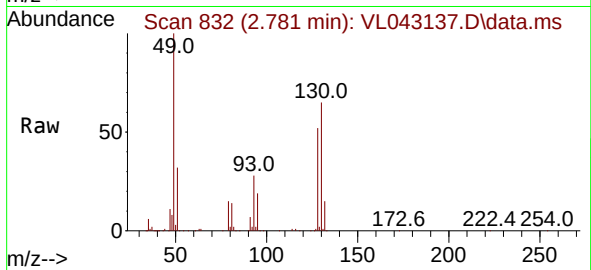
Quant Time: Nov 04 03:05:45 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL101425AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug  
QLast Update : Wed Oct 15 02:12:58 2025  
Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.781 min Scan# 835  
Delta R.T. -0.009 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

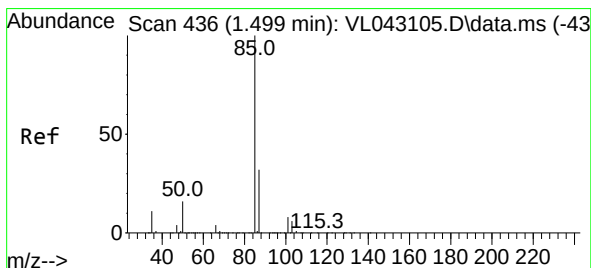
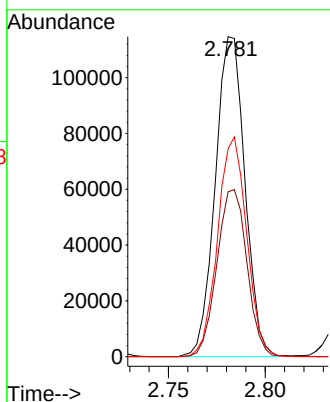
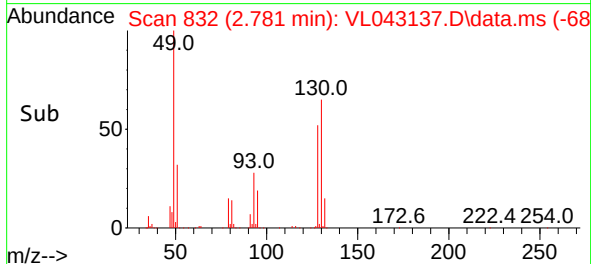
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 49 Resp: 122269  
Ion Ratio Lower Upper  
49 100  
128 52.8 24.4 73.4  
130 67.4 31.0 93.0

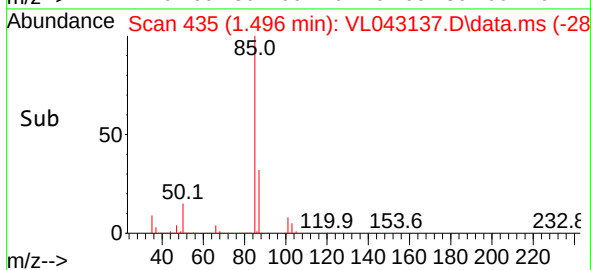
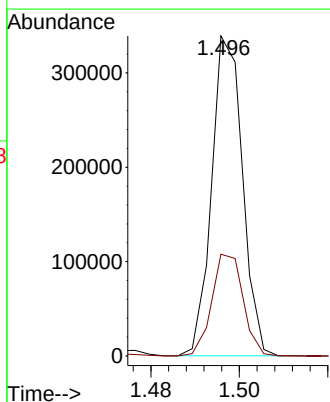
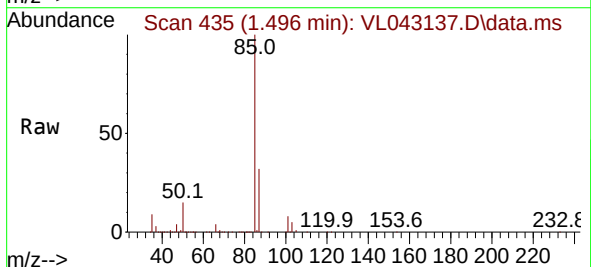
Manual Integrations  
APPROVED

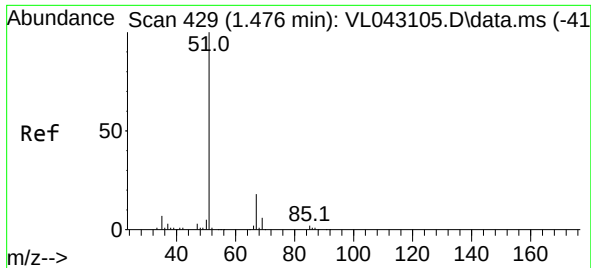
Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025



#2  
Dichlorodifluoromethane  
Concen: 9.449 ppbv  
RT: 1.496 min Scan# 435  
Delta R.T. -0.003 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

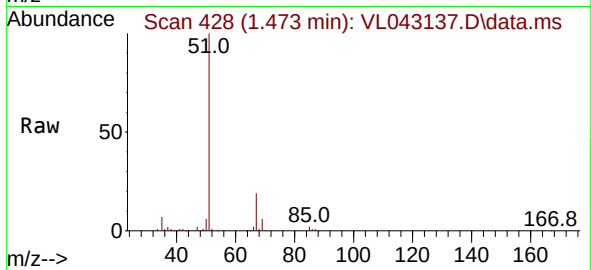
Tgt Ion: 85 Resp: 164242  
Ion Ratio Lower Upper  
85 100  
87 31.8 25.3 37.9





#3  
Chlorodifluoromethane  
Concen: 9.505 ppbv  
RT: 1.473 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

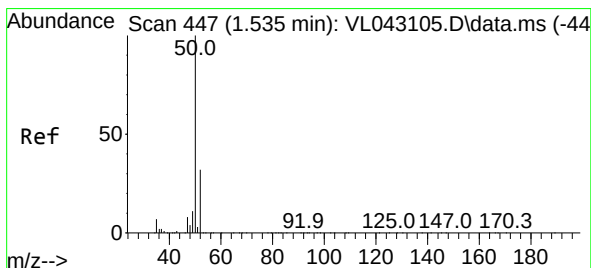
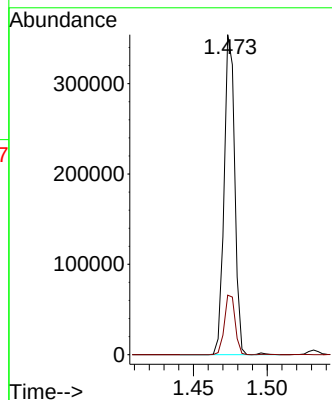
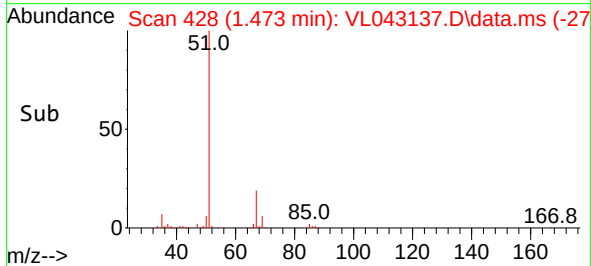
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



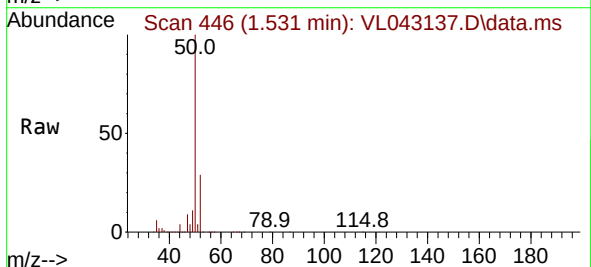
Tgt Ion: 51 Resp: 178758  
Ion Ratio Lower Upper  
51 100  
67 19.0 15.1 22.7

Manual Integrations  
APPROVED

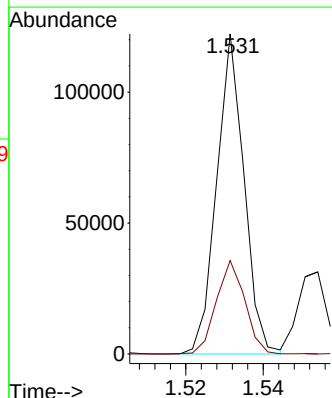
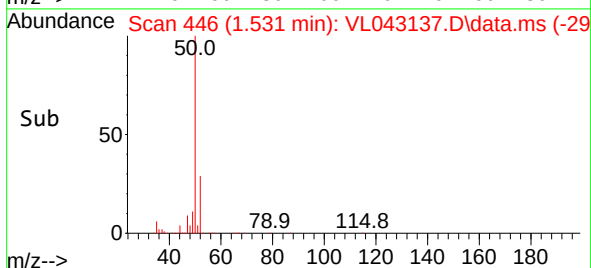
Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025

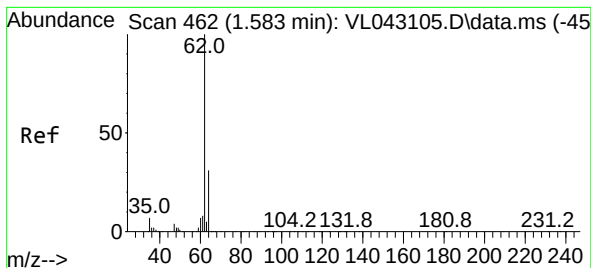


#4  
Chloromethane  
Concen: 8.705 ppbv  
RT: 1.531 min Scan# 446  
Delta R.T. -0.003 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33



Tgt Ion: 50 Resp: 59943  
Ion Ratio Lower Upper  
50 100  
52 29.1 25.2 37.8





#5

Vinyl Chloride

Concen: 8.565 ppbv

RT: 1.580 min Scan# 4

Delta R.T. -0.003 min

Lab File: VL043137.D

Acq: 03 Nov 2025 08:33

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 62 Resp: 5784

Ion Ratio Lower Upper

62 100

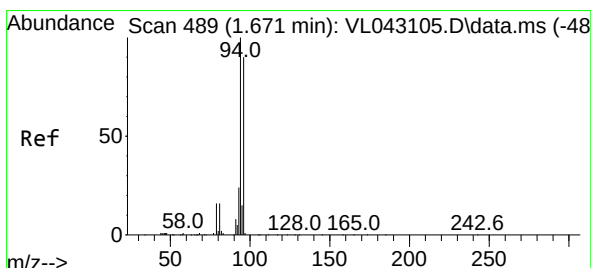
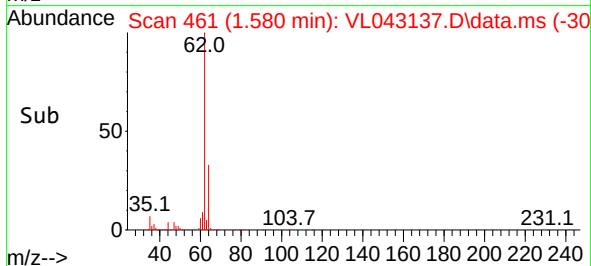
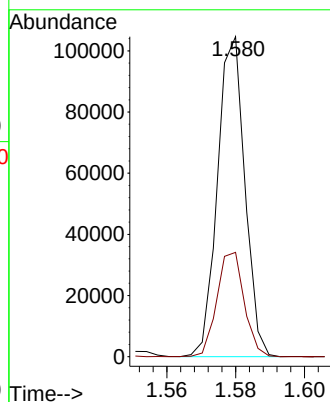
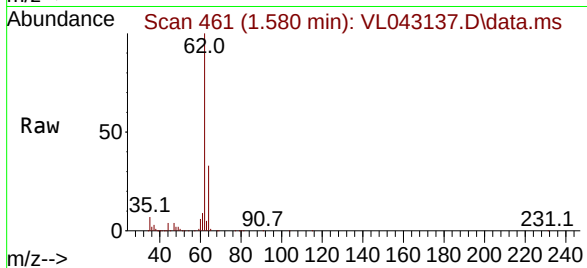
64 32.6 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2025

Supervised By :Mahesh Dadoda 11/05/2025



#6

Bromomethane

Concen: 9.228 ppbv

RT: 1.667 min Scan# 488

Delta R.T. -0.003 min

Lab File: VL043137.D

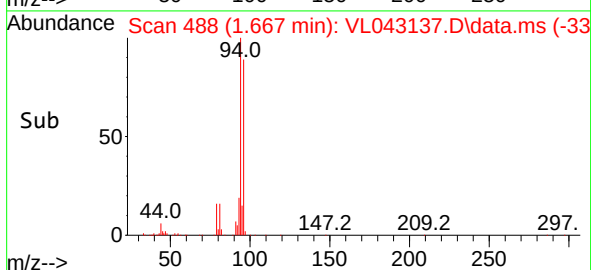
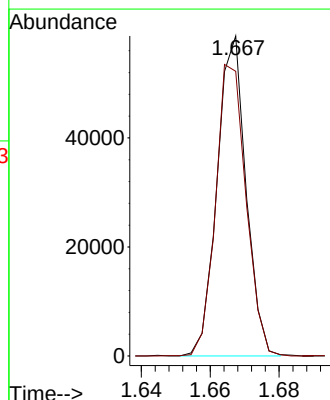
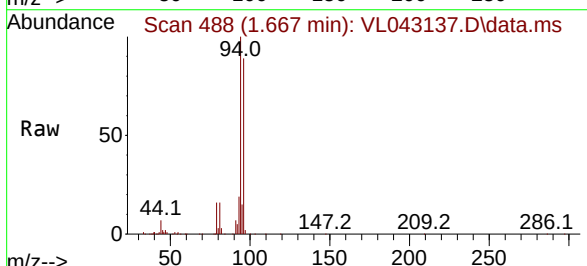
Acq: 03 Nov 2025 08:33

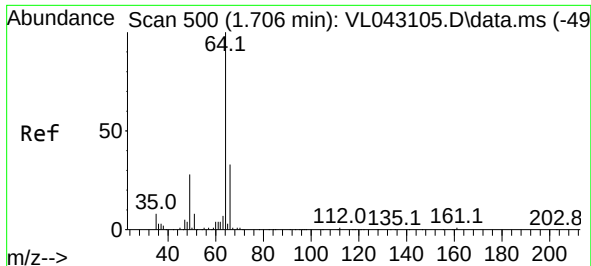
Tgt Ion: 94 Resp: 34176

Ion Ratio Lower Upper

94 100

96 88.9 72.2 108.4





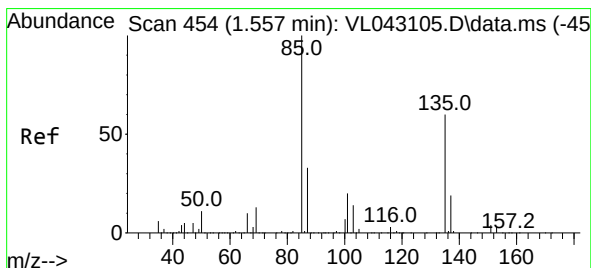
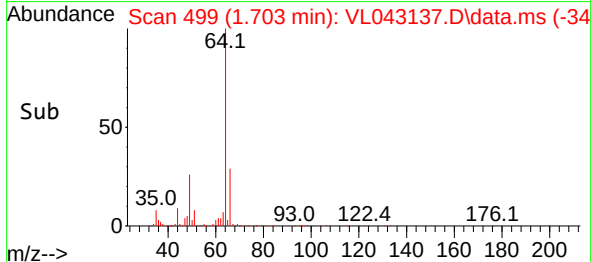
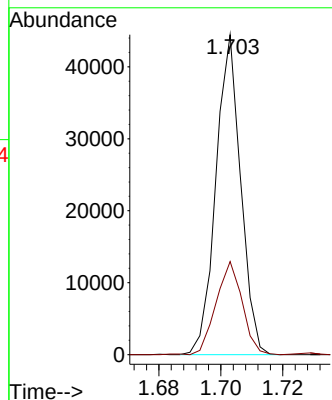
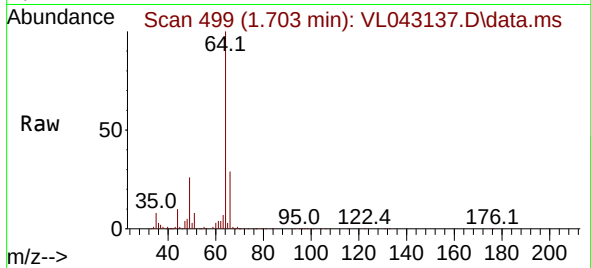
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Chloroethane  
Concen: 8.948 ppbv  
RT: 1.703 min Scan# 499  
Delta R.T. -0.003 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 64 Resp: 24710  
Ion Ratio Lower Upper  
64 100  
66 29.1 26.0 39.0

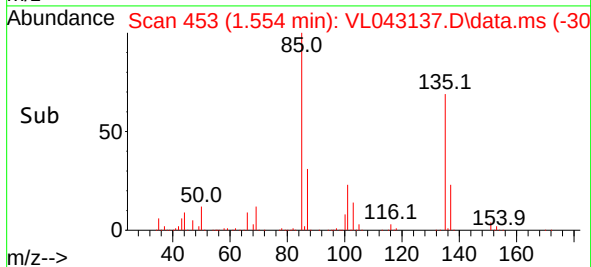
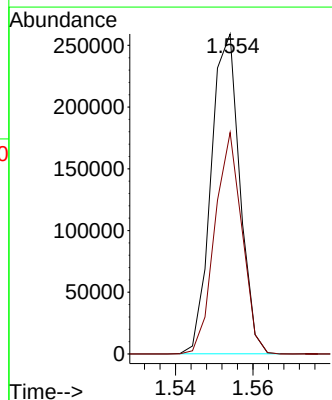
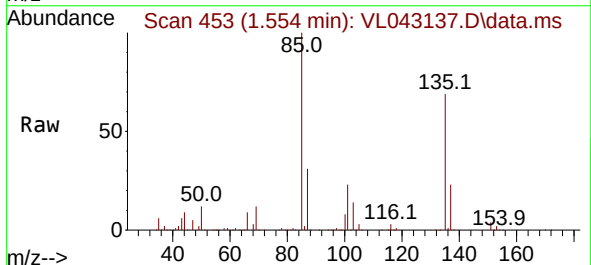
Manual Integrations  
APPROVED

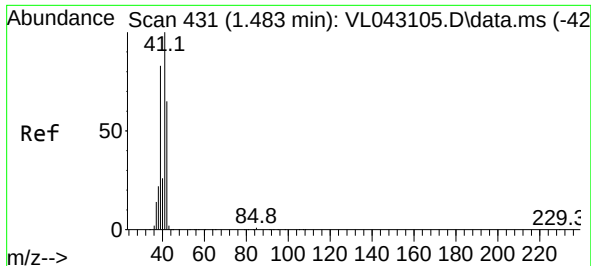
Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025



#8  
Dichlorotetrafluoroethane  
Concen: 9.497 ppbv  
RT: 1.554 min Scan# 453  
Delta R.T. -0.003 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Tgt Ion: 85 Resp: 133425  
Ion Ratio Lower Upper  
85 100  
135 65.6 48.2 72.4





#9

Propene

Concen: 9.294 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL043137.D

Acq: 03 Nov 2025 08:33

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 7752

Ion Ratio Lower Upper

41 100

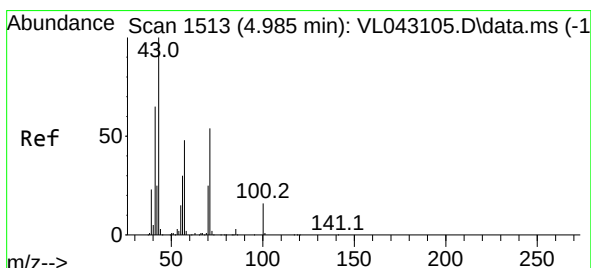
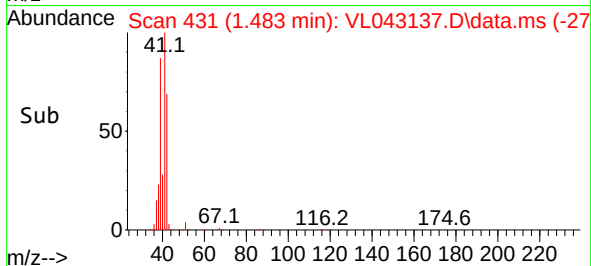
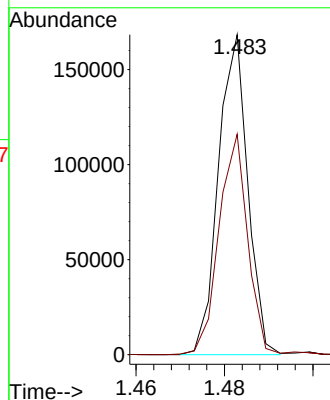
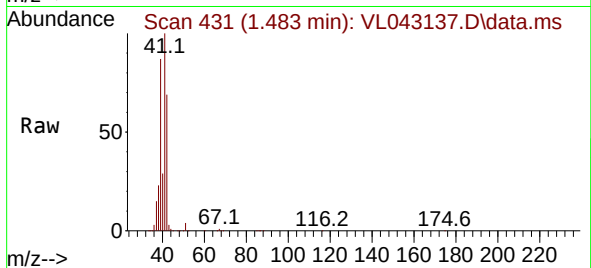
42 68.0 55.1 82.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/04/2025

Supervised By :Mahesh Dadoda 11/05/2025



#10

Heptane

Concen: 9.154 ppbv

RT: 4.969 min Scan# 1508

Delta R.T. -0.016 min

Lab File: VL043137.D

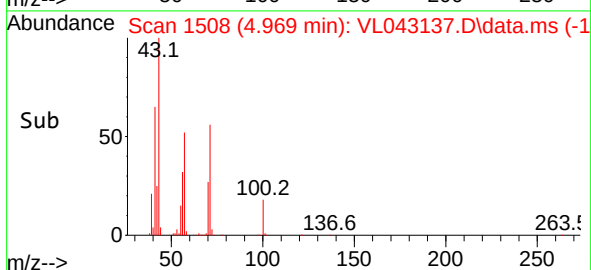
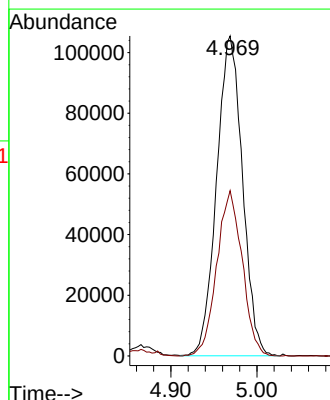
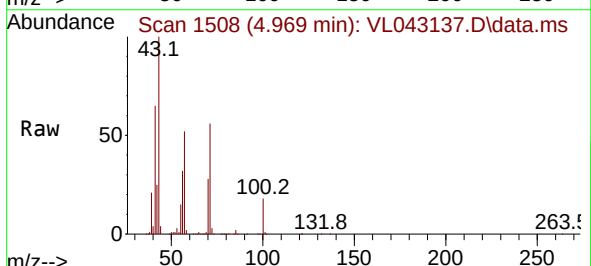
Acq: 03 Nov 2025 08:33

Tgt Ion: 43 Resp: 219812

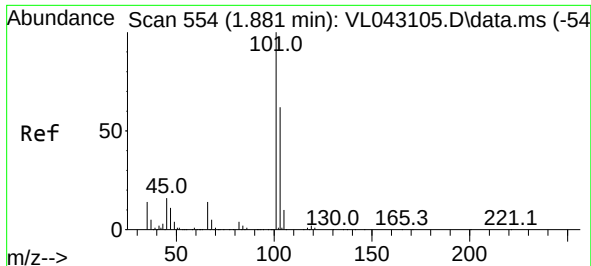
Ion Ratio Lower Upper

43 100

57 50.8 40.8 61.2







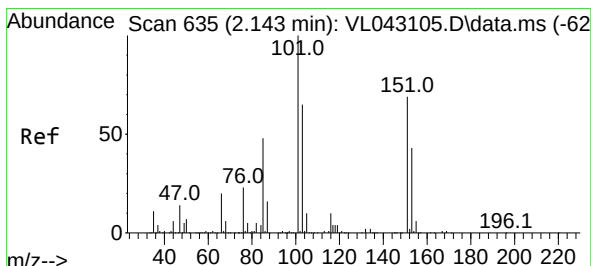
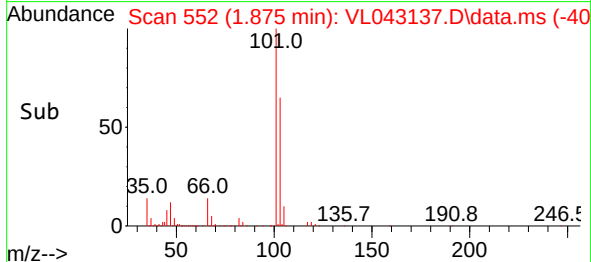
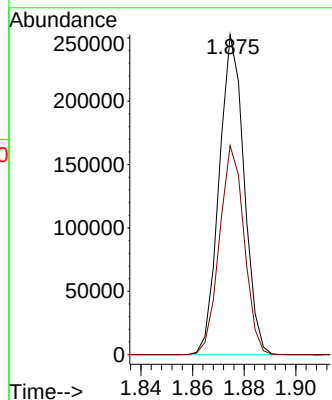
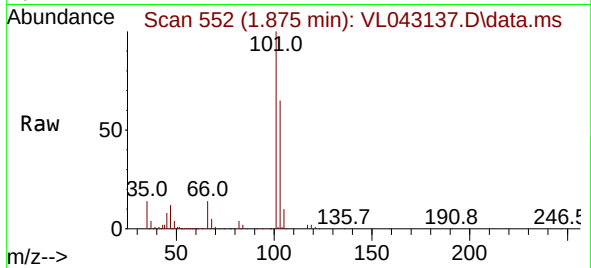
#11  
Trichlorofluoromethane  
Concen: 9.942 ppbv  
RT: 1.875 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion:101 Resp: 169034  
Ion Ratio Lower Upper  
101 100  
103 65.3 49.3 73.9

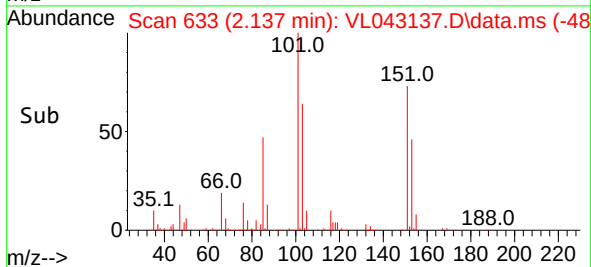
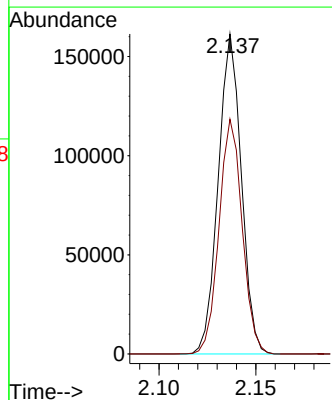
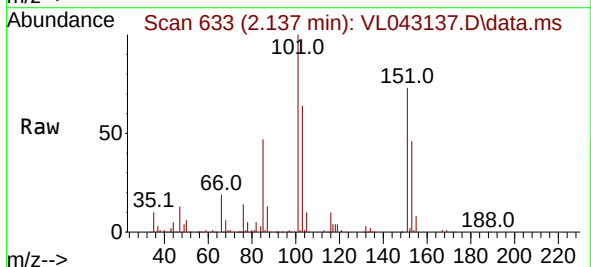
Manual Integrations  
APPROVED

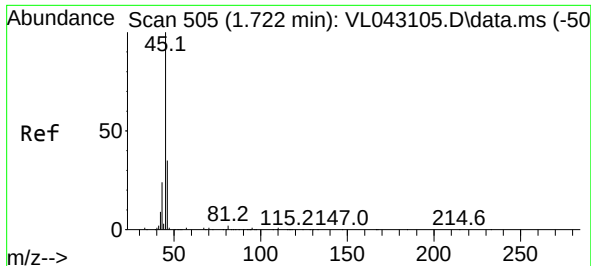
Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025



#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 9.765 ppbv  
RT: 2.137 min Scan# 633  
Delta R.T. -0.006 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Tgt Ion:101 Resp: 133669  
Ion Ratio Lower Upper  
101 100  
151 73.6 54.7 82.1





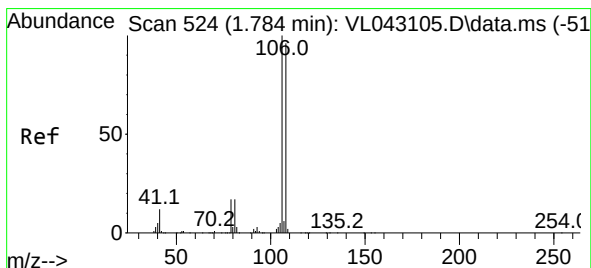
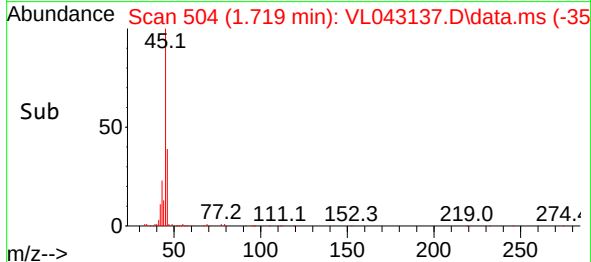
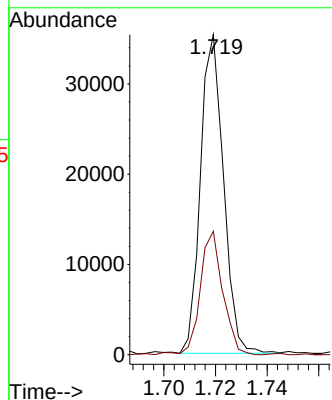
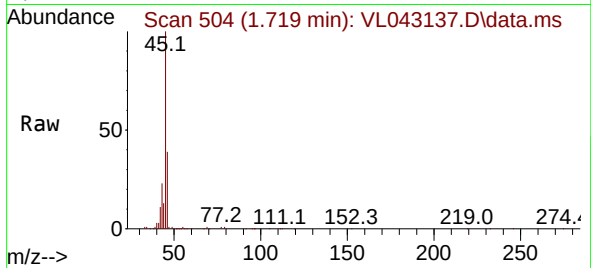
#13  
Ethanol  
Concen: 7.093 ppbv  
RT: 1.719 min Scan# 505  
Delta R.T. -0.003 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 45 Resp: 2188  
Ion Ratio Lower Upper  
45 100  
46 38.3 14.7 58.9

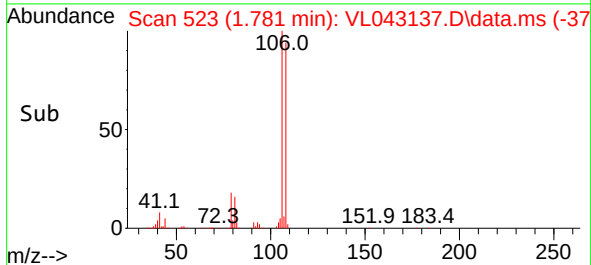
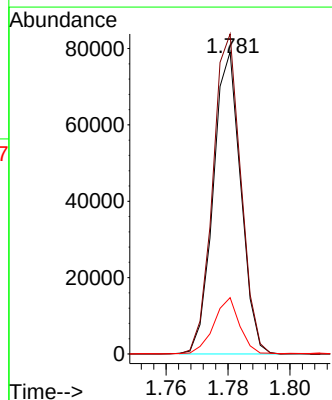
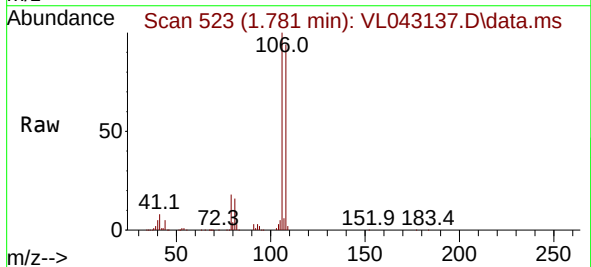
Manual Integrations  
APPROVED

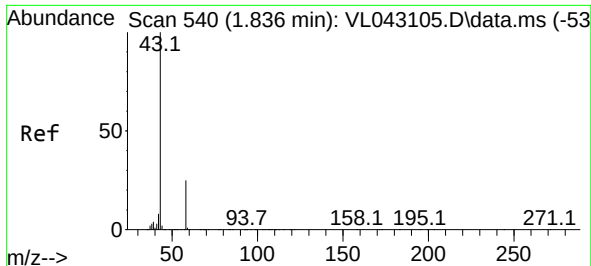
Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025



#14  
Bromoethene  
Concen: 9.619 ppbv  
RT: 1.781 min Scan# 523  
Delta R.T. -0.003 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

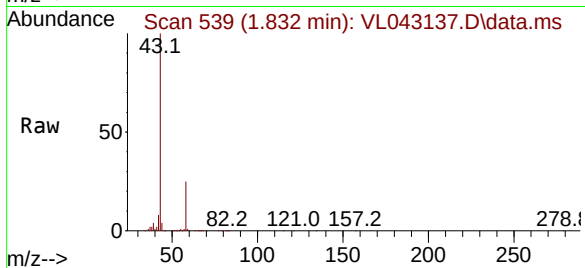
Tgt Ion:108 Resp: 48915  
Ion Ratio Lower Upper  
108 100  
106 107.6 84.4 126.6  
79 18.2 15.3 22.9





#15  
Acetone  
Concen: 8.196 ppbv  
RT: 1.832 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

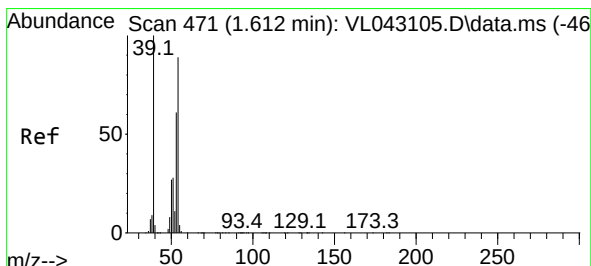
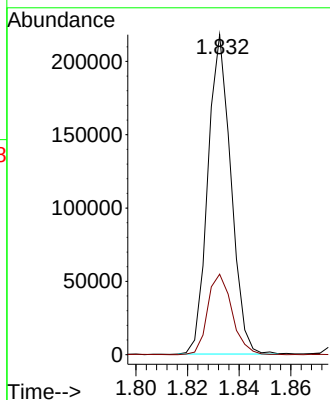
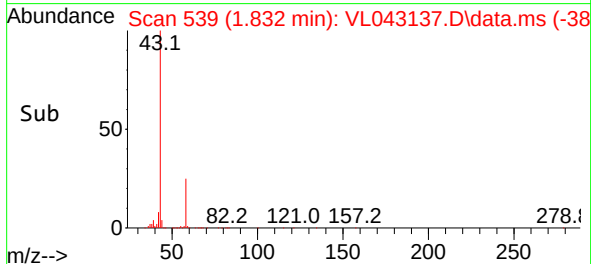
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



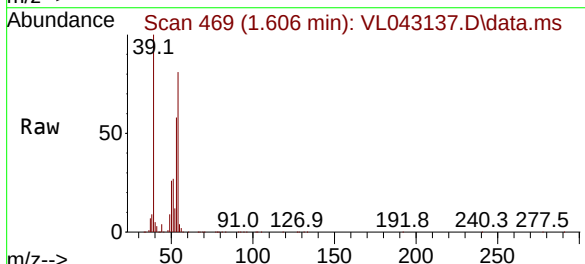
Tgt Ion: 43 Resp: 135078  
Ion Ratio Lower Upper  
43 100  
58 26.8 20.8 31.2

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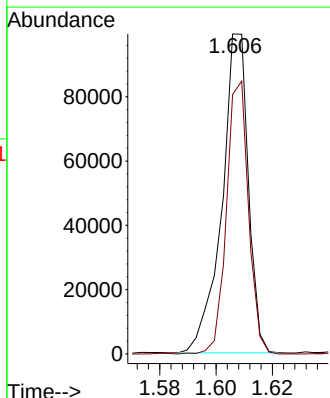
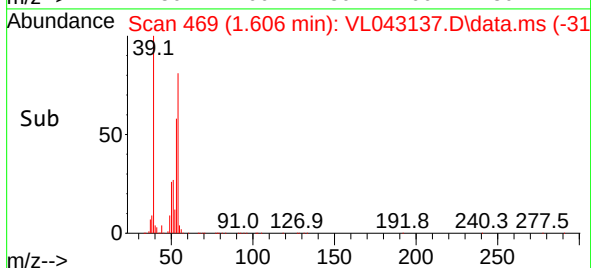
Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025

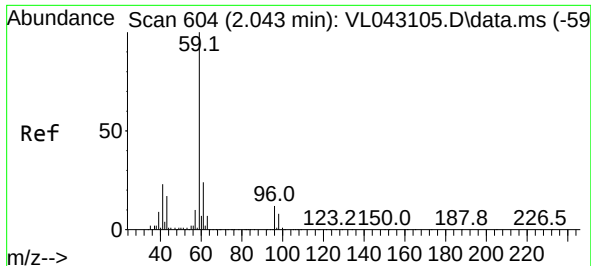


#16  
1,3-Butadiene  
Concen: 8.259 ppbv  
RT: 1.606 min Scan# 469  
Delta R.T. -0.006 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33



Tgt Ion: 39 Resp: 64869  
Ion Ratio Lower Upper  
39 100  
54 71.1 59.0 88.4





#17

tert-Butyl alcohol

Concen: 9.385 ppbv

RT: 2.036 min Scan# 601

Delta R.T. -0.006 min

Lab File: VL043137.D

Acq: 03 Nov 2025 08:33

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 59 Resp: 21230

Ion Ratio Lower Upper

59 100

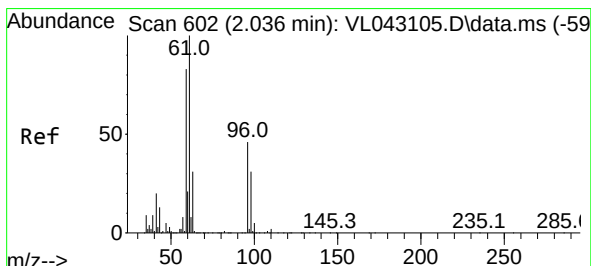
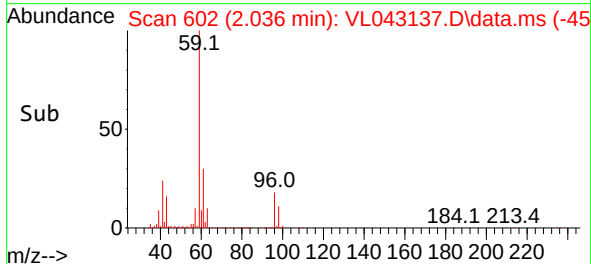
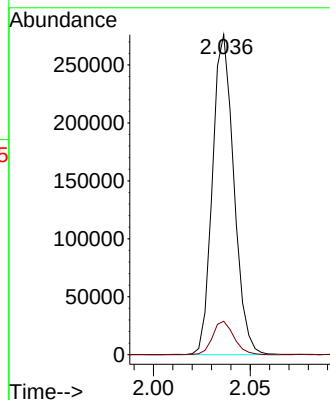
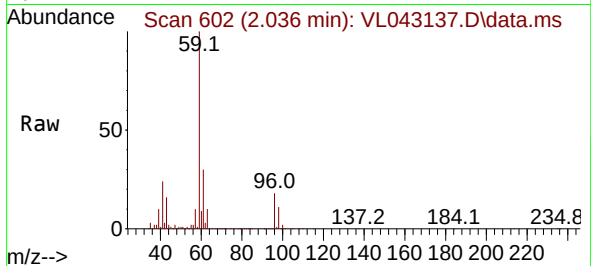
57 10.6 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2025

Supervised By :Mahesh Dadoda 11/05/2025



#18

1,1-Dichloroethene

Concen: 10.027 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.003 min

Lab File: VL043137.D

Acq: 03 Nov 2025 08:33

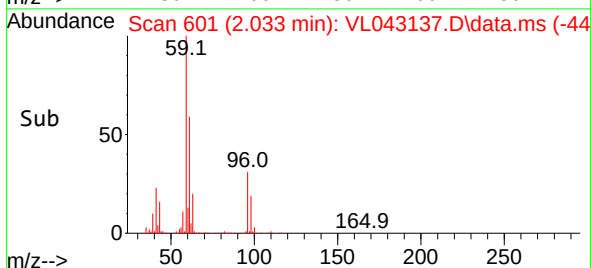
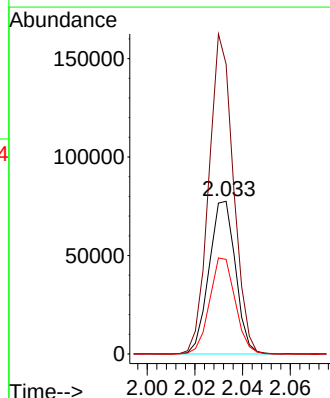
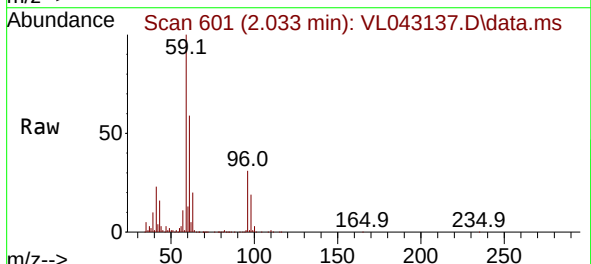
Tgt Ion: 96 Resp: 59840

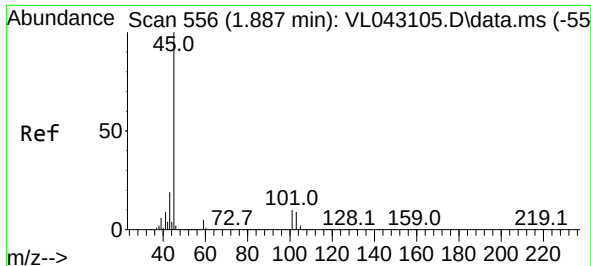
Ion Ratio Lower Upper

96 100

61 189.7 173.4 260.0

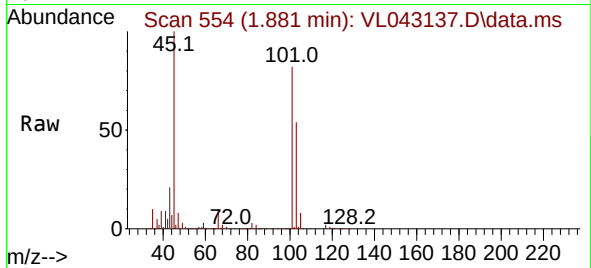
98 61.9 53.2 79.8





#19  
Isopropyl Alcohol  
Concen: 8.626 ppbv  
RT: 1.881 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

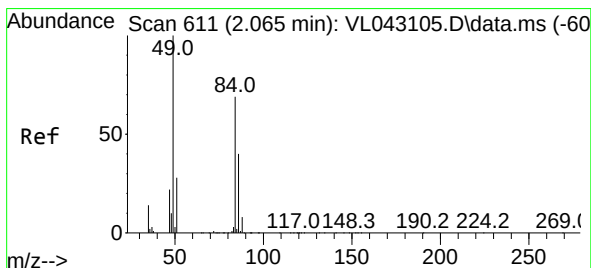
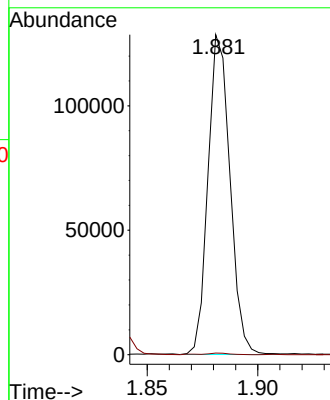
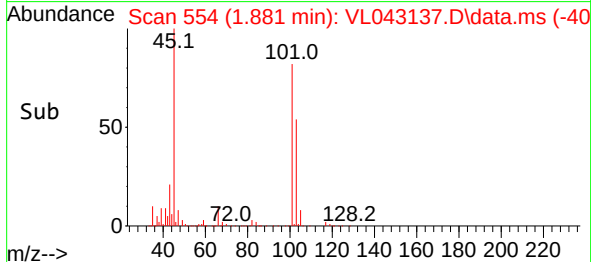
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



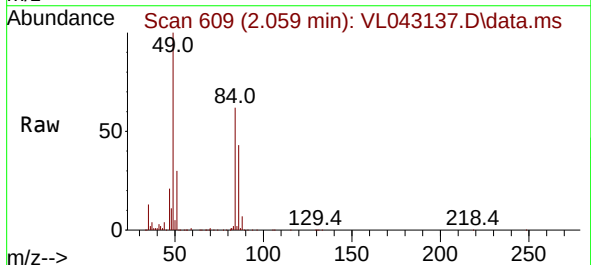
Tgt Ion: 45 Resp: 88539  
Ion Ratio Lower Upper  
45 100  
58 41.0 31.3 46.9

Manual Integrations  
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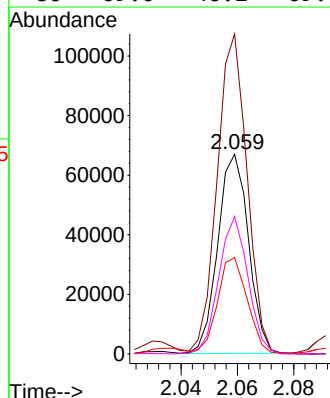
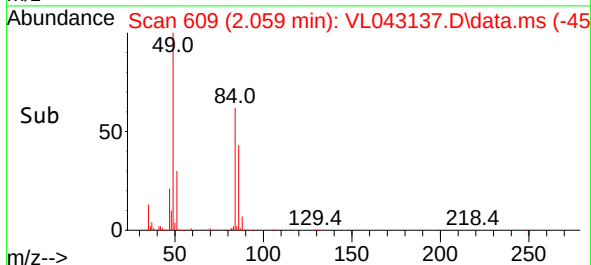
Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025

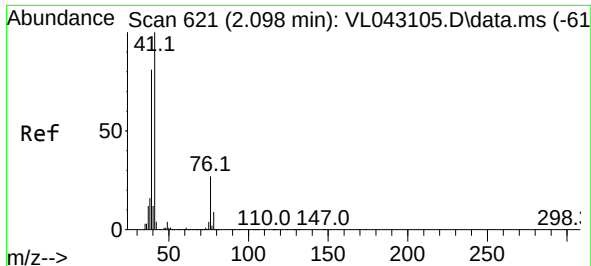


#20  
Methylene Chloride  
Concen: 7.766 ppbv  
RT: 2.059 min Scan# 609  
Delta R.T. -0.006 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33



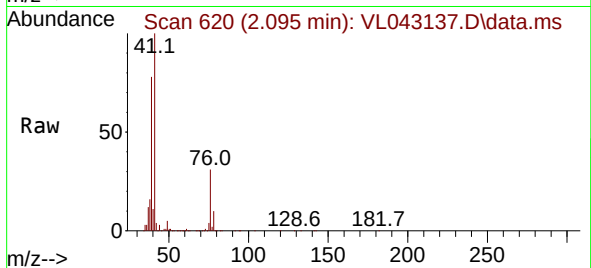
Tgt Ion: 84 Resp: 50588  
Ion Ratio Lower Upper  
84 100  
49 160.3 116.6 175.0  
51 47.9 34.8 52.2  
86 69.0 46.2 69.4





#21  
 Allyl Chloride  
 Concen: 8.931 ppbv  
 RT: 2.095 min Scan# 61  
 Delta R.T. -0.003 min  
 Lab File: VL043137.D  
 Acq: 03 Nov 2025 08:33

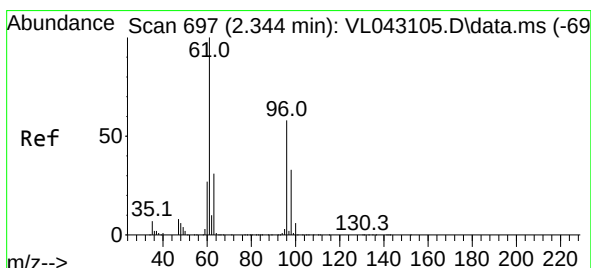
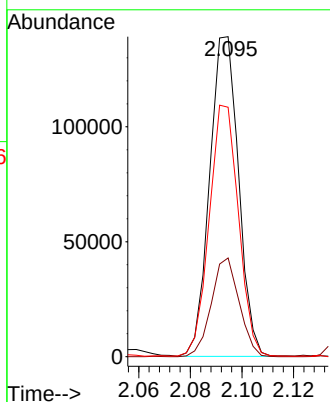
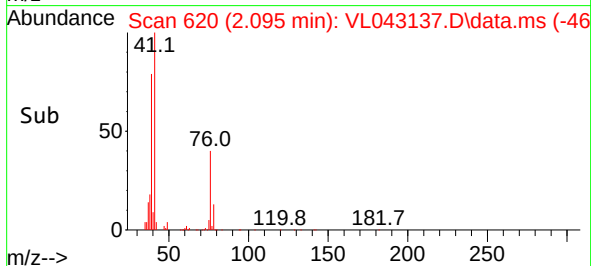
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



Tgt Ion: 41 Resp: 108458  
 Ion Ratio Lower Upper  
 41 100  
 76 29.7 21.5 32.3  
 39 79.4 60.8 91.2

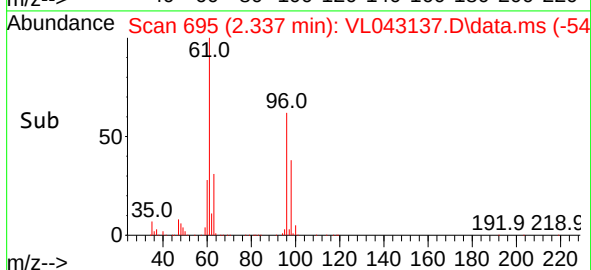
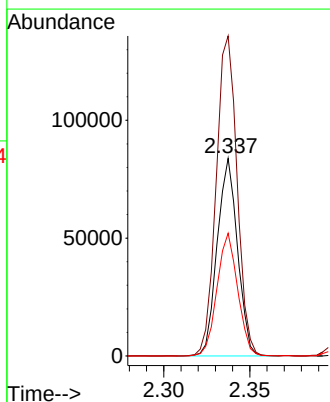
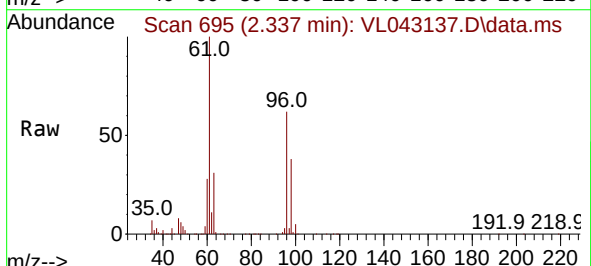
Manual Integrations  
 APPROVED

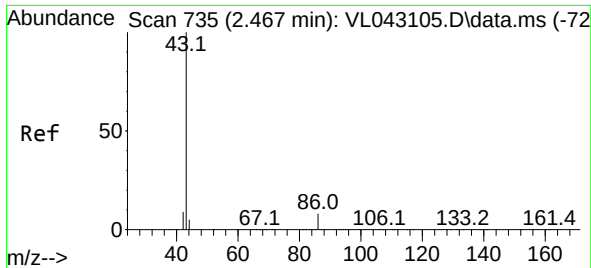
Reviewed By :Semsettin Yesilyurt 11/04/2025  
 Supervised By :Mahesh Dadoda 11/05/2025



#22  
 trans-1,2-Dichloroethene  
 Concen: 9.663 ppbv  
 RT: 2.337 min Scan# 695  
 Delta R.T. -0.006 min  
 Lab File: VL043137.D  
 Acq: 03 Nov 2025 08:33

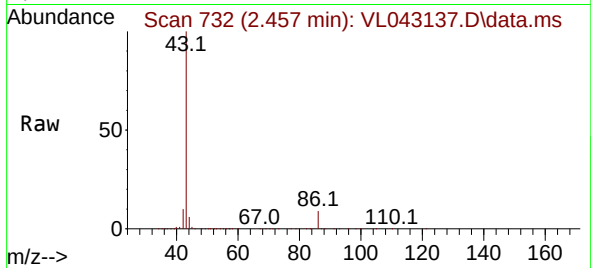
Tgt Ion: 96 Resp: 68932  
 Ion Ratio Lower Upper  
 96 100  
 61 161.9 137.0 205.6  
 98 62.1 45.5 68.3





#23  
 Vinyl Acetate  
 Concen: 10.537 ppbv  
 RT: 2.457 min Scan# 716  
 Delta R.T. -0.010 min  
 Lab File: VL043137.D  
 Acq: 03 Nov 2025 08:33

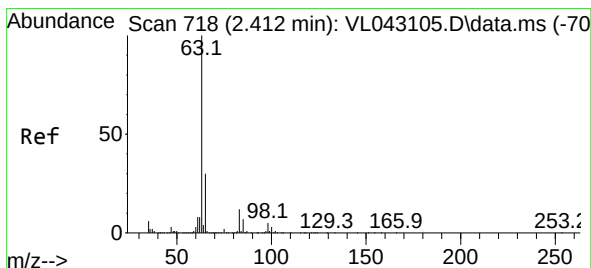
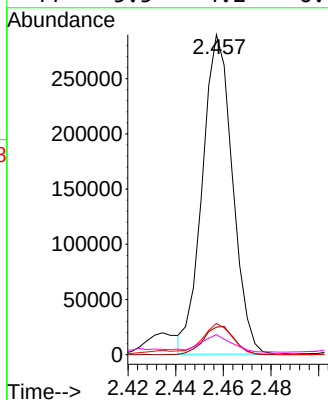
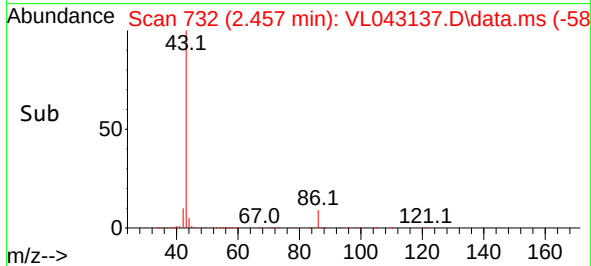
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



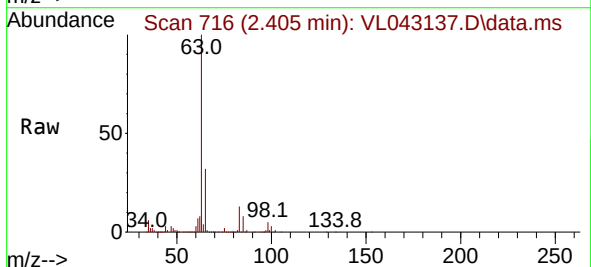
Tgt Ion: 43 Resp: 25438  
 Ion Ratio Lower Upper  
 43 100  
 86 8.6 6.2 9.2  
 42 9.7 7.6 11.4  
 44 5.5 4.2 6.4

Manual Integrations  
 APPROVED

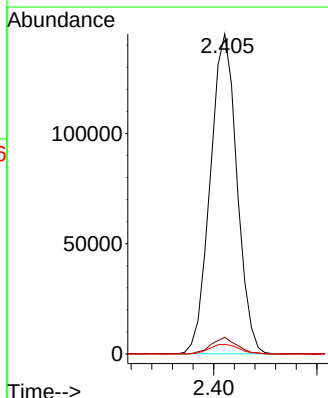
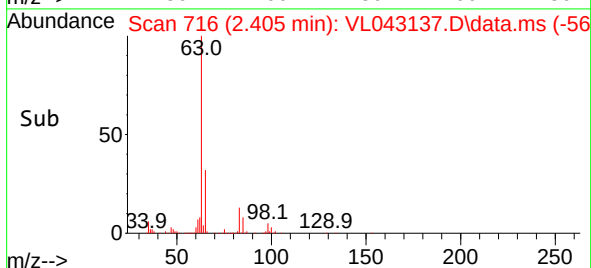
Reviewed By :Semsettin Yesilyurt 11/04/2025  
 Supervised By :Mahesh Dadoda 11/05/2025

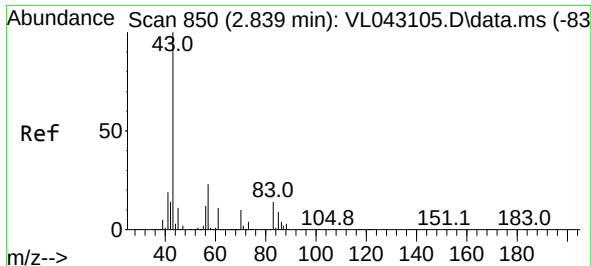


#24  
 1,1-Dichloroethane  
 Concen: 9.424 ppbv  
 RT: 2.405 min Scan# 716  
 Delta R.T. -0.006 min  
 Lab File: VL043137.D  
 Acq: 03 Nov 2025 08:33



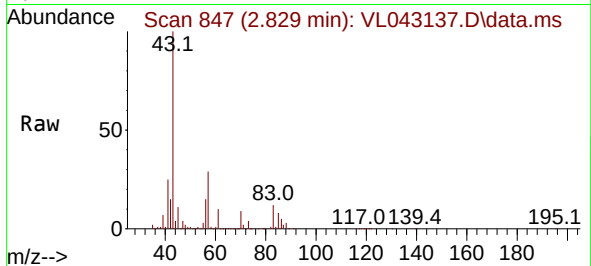
Tgt Ion: 63 Resp: 129883  
 Ion Ratio Lower Upper  
 63 100  
 98 5.2 2.6 7.8  
 100 3.0 1.5 4.4





#25  
Ethyl Acetate  
Concen: 9.595 ppbv  
RT: 2.829 min Scan# 847  
Delta R.T. -0.010 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

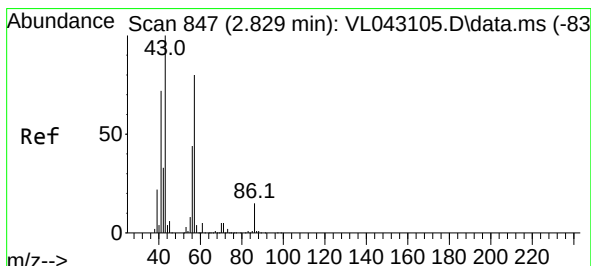
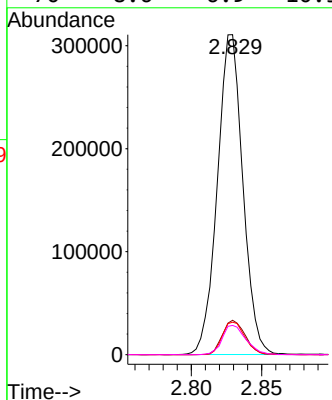
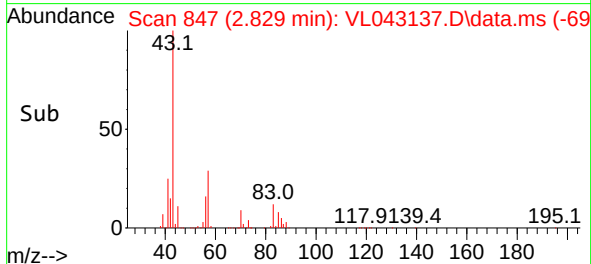
Instrument : MSVOA\_L  
ClientSampleId : VSTDCCC010



Tgt Ion: 43 Resp: 392119  
Ion Ratio Lower Upper  
43 100  
45 9.7 7.8 11.8  
61 9.2 7.0 10.6  
70 8.6 6.9 10.3

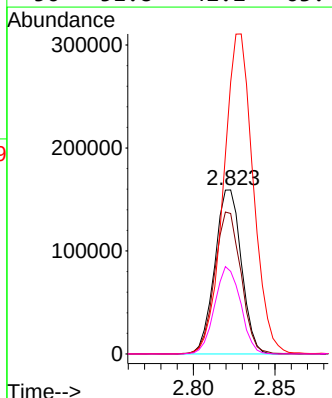
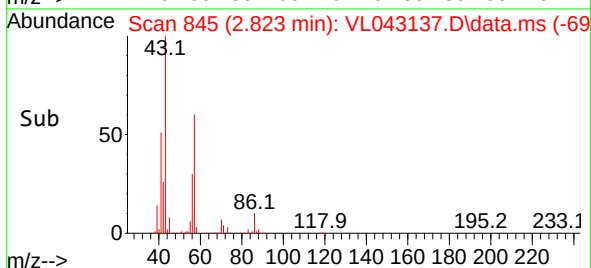
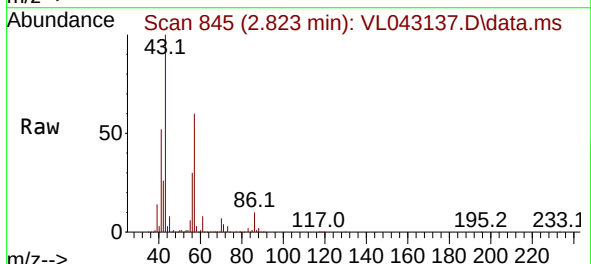
Manual Integrations  
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Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025

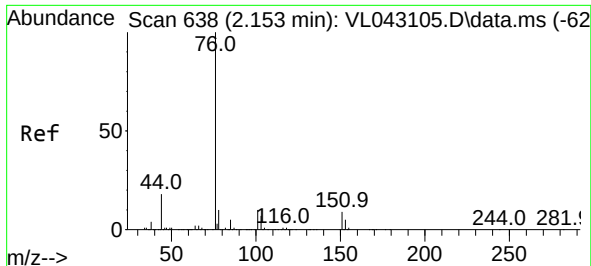


#26  
Hexane  
Concen: 9.602 ppbv  
RT: 2.823 min Scan# 845  
Delta R.T. -0.006 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Tgt Ion: 57 Resp: 180827  
Ion Ratio Lower Upper  
57 100  
41 86.0 71.4 107.0  
43 218.1 178.5 267.7  
56 51.8 42.2 63.4







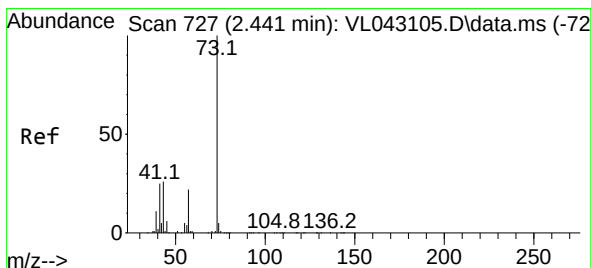
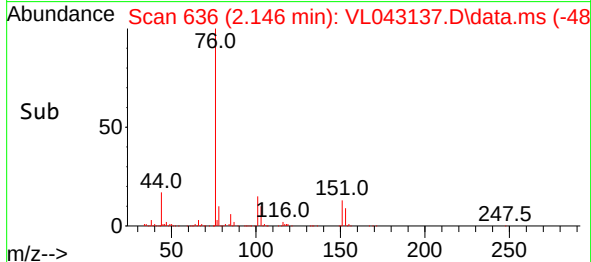
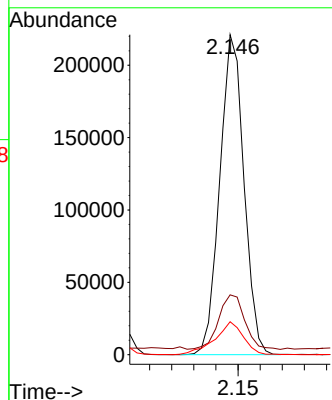
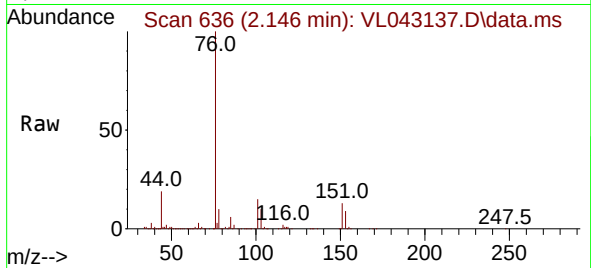
#27  
Carbon Disulfide  
Concen: 9.715 ppbv  
RT: 2.146 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 76 Resp: 167624  
Ion Ratio Lower Upper  
76 100  
44 18.2 16.7 25.1  
78 12.2 9.3 13.9

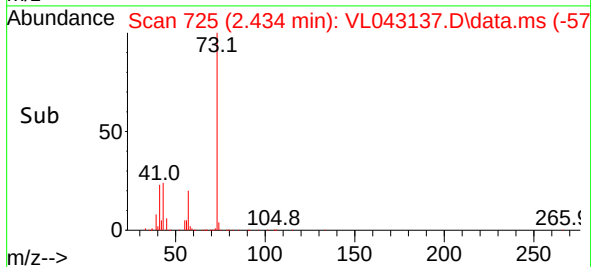
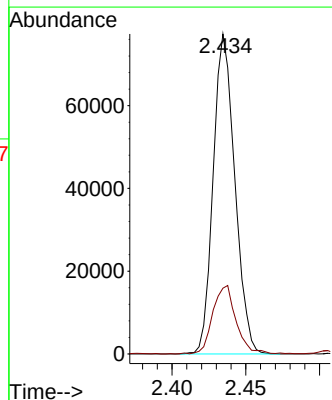
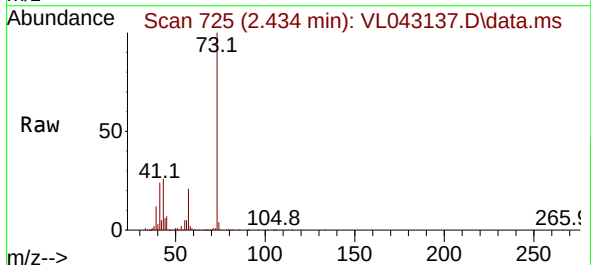
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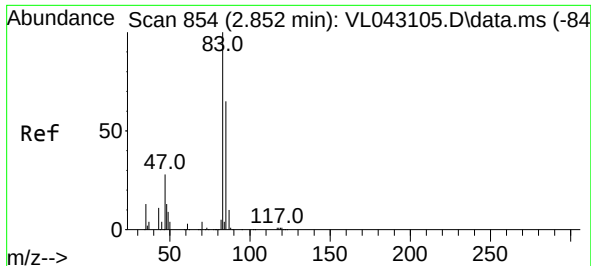
Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025



#28  
Methyl tert-Butyl Ether  
Concen: 9.208 ppbv  
RT: 2.434 min Scan# 725  
Delta R.T. -0.006 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Tgt Ion: 73 Resp: 78889  
Ion Ratio Lower Upper  
73 100  
57 23.2 20.5 30.7





#29

Chloroform

Concen: 9.989 ppbv

RT: 2.842 min Scan# 851

Delta R.T. -0.010 min

Lab File: VL043137.D

Acq: 03 Nov 2025 08:33

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 272560

Ion Ratio Lower Upper

83 100

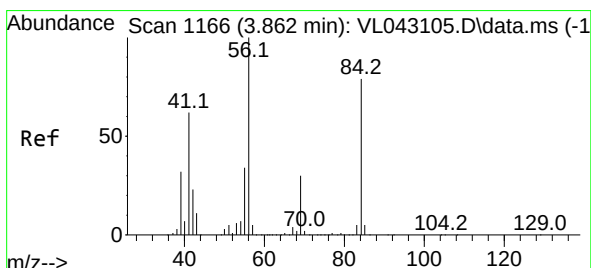
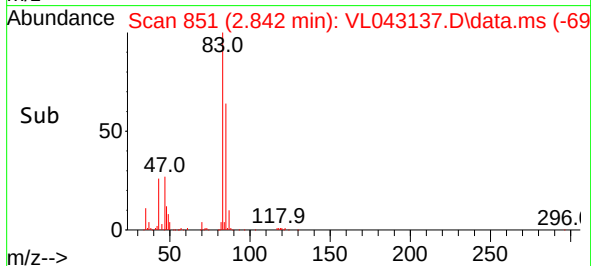
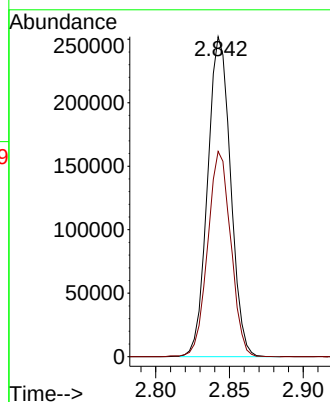
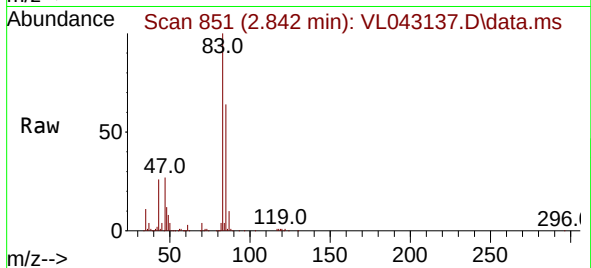
85 64.1 51.8 77.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/04/2025

Supervised By :Mahesh Dadoda 11/05/2025



#30

Cyclohexane

Concen: 9.659 ppbv

RT: 3.849 min Scan# 1162

Delta R.T. -0.013 min

Lab File: VL043137.D

Acq: 03 Nov 2025 08:33

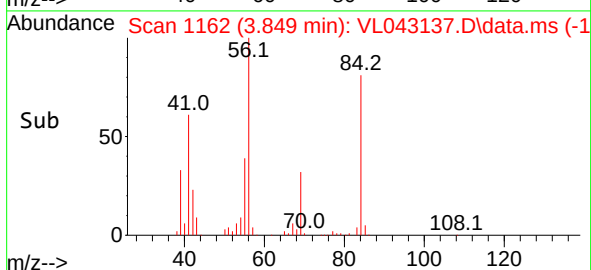
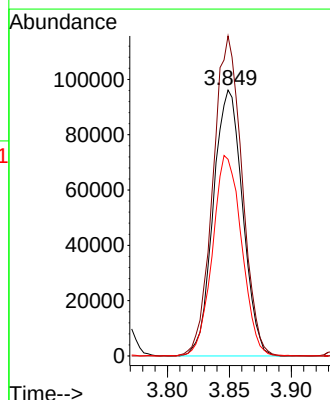
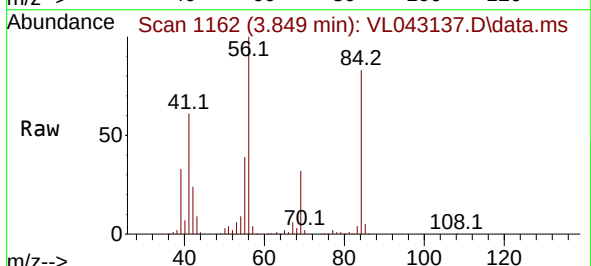
Tgt Ion: 84 Resp: 158753

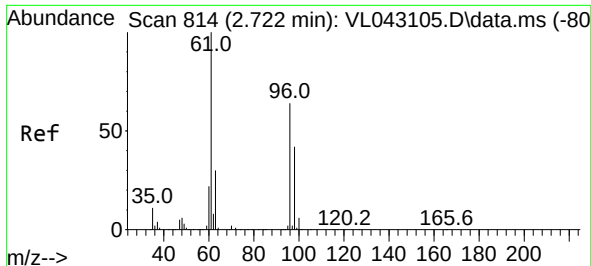
Ion Ratio Lower Upper

84 100

56 119.4 100.9 151.3

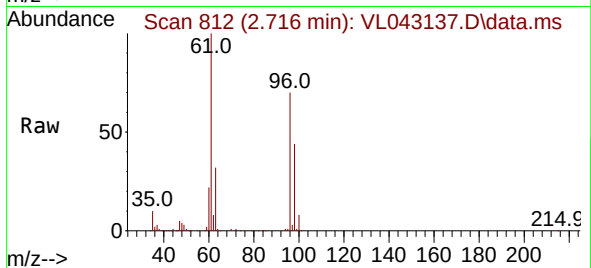
41 75.0 63.8 95.6





#31  
 cis-1,2-Dichloroethene  
 Concen: 10.106 ppbv  
 RT: 2.716 min Scan# 81  
 Delta R.T. -0.006 min  
 Lab File: VL043137.D  
 Acq: 03 Nov 2025 08:33

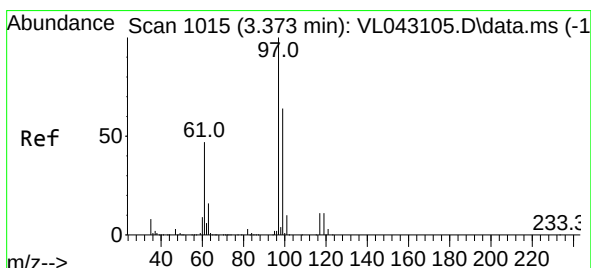
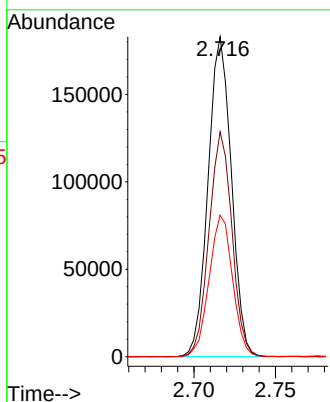
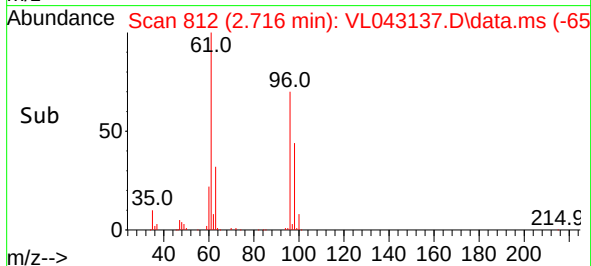
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



Tgt Ion: 61 Resp: 18173  
 Ion Ratio Lower Upper  
 61 100  
 96 70.3 51.0 76.6  
 98 44.2 33.5 50.3

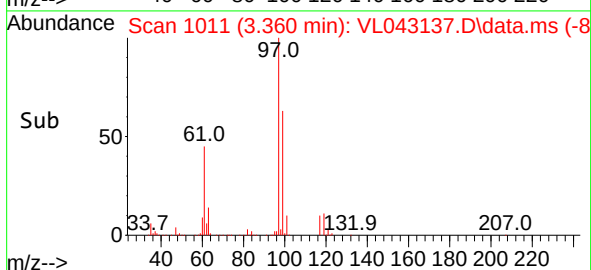
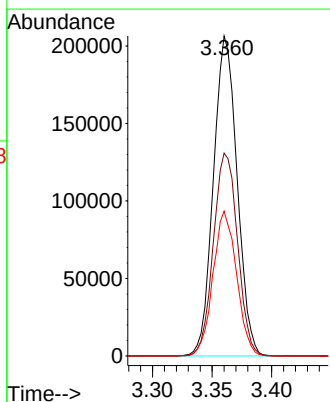
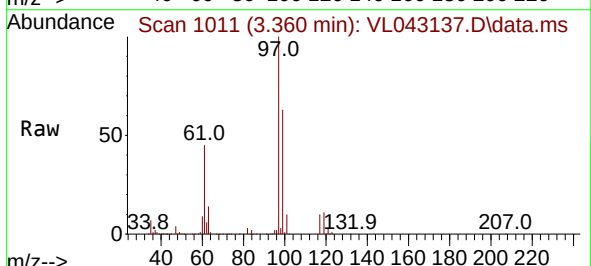
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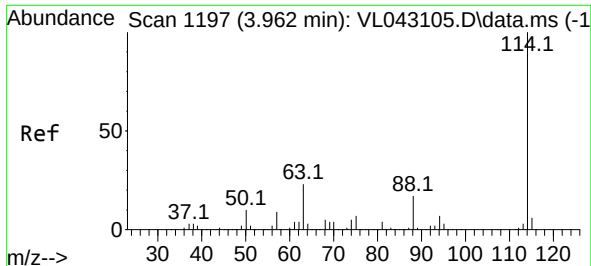
Reviewed By :Semsettin Yesilyurt 11/04/2025  
 Supervised By :Mahesh Dadoda 11/05/2025



#32  
 1,1,1-Trichloroethane  
 Concen: 10.038 ppbv  
 RT: 3.360 min Scan# 1011  
 Delta R.T. -0.013 min  
 Lab File: VL043137.D  
 Acq: 03 Nov 2025 08:33

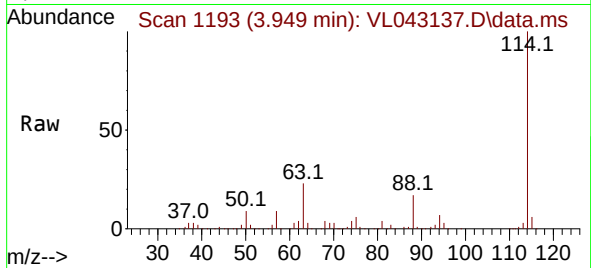
Tgt Ion: 97 Resp: 285213  
 Ion Ratio Lower Upper  
 97 100  
 99 64.6 51.3 76.9  
 61 45.1 38.4 57.6





#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.949 min Scan# 1193  
Delta R.T. -0.013 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

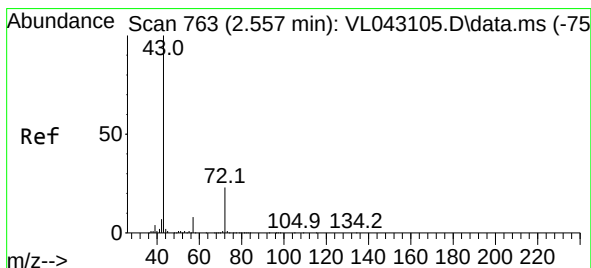
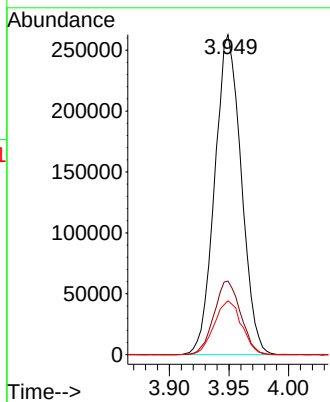
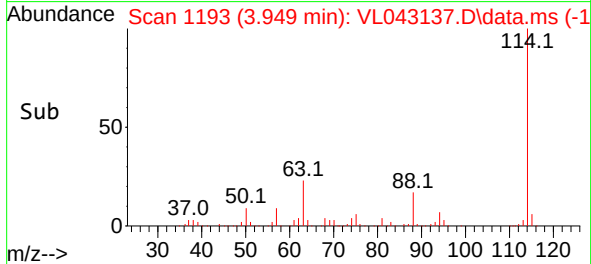
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



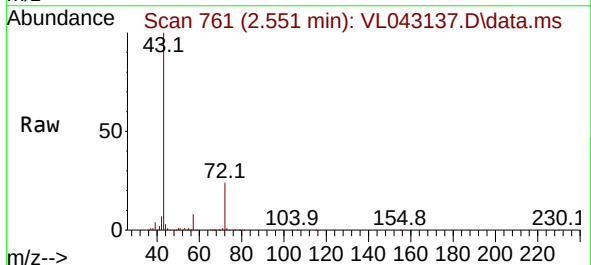
Tgt Ion:114 Resp: 405030  
Ion Ratio Lower Upper  
114 100  
63 23.2 19.3 28.9  
88 17.5 13.9 20.9

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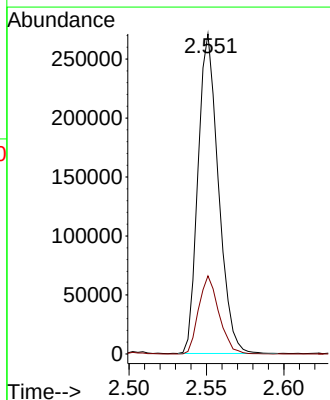
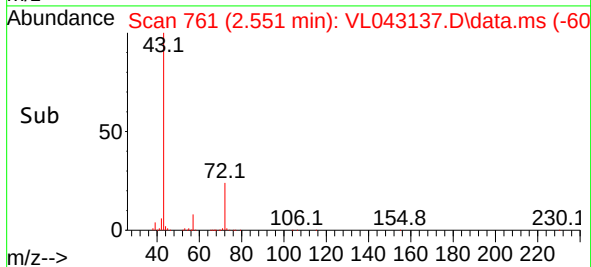
Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025

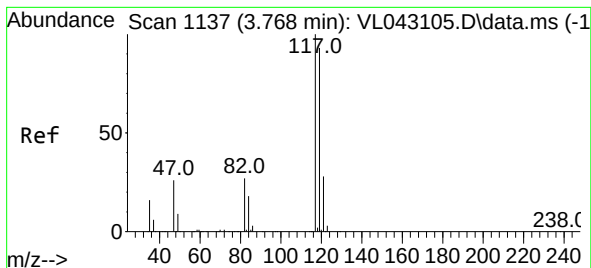


#34  
2-Butanone  
Concen: 9.127 ppbv  
RT: 2.551 min Scan# 761  
Delta R.T. -0.006 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33



Tgt Ion: 43 Resp: 248495  
Ion Ratio Lower Upper  
43 100  
72 24.3 18.4 27.6





#35

Carbon Tetrachloride

Concen: 10.014 ppbv

RT: 3.755 min Scan# 1133

Delta R.T. -0.013 min

Lab File: VL043137.D

Acq: 03 Nov 2025 08:33

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion:117 Resp: 29162

Ion Ratio Lower Upper

117 100

119 98.4 74.1 111.1

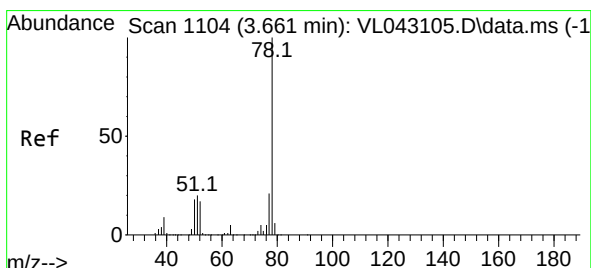
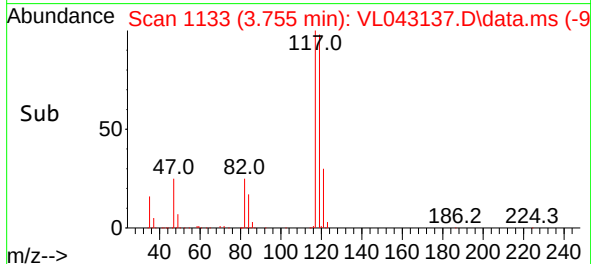
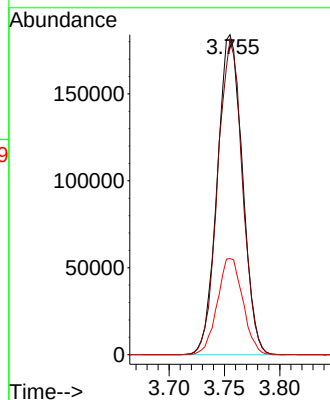
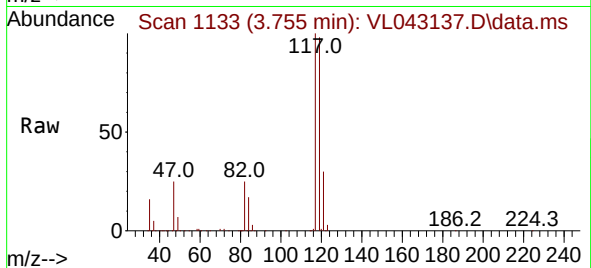
121 30.1 22.2 33.2

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Reviewed By :Semsettin Yesilyurt 11/04/2025

Supervised By :Mahesh Dadoda 11/05/2025



#36

Benzene

Concen: 9.647 ppbv

RT: 3.651 min Scan# 1101

Delta R.T. -0.010 min

Lab File: VL043137.D

Acq: 03 Nov 2025 08:33

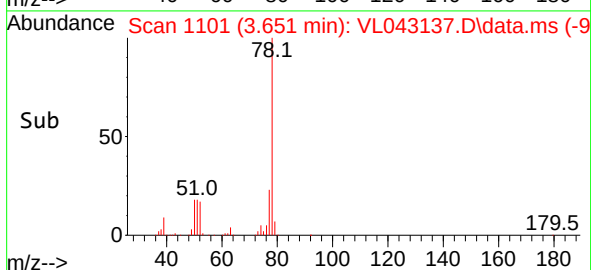
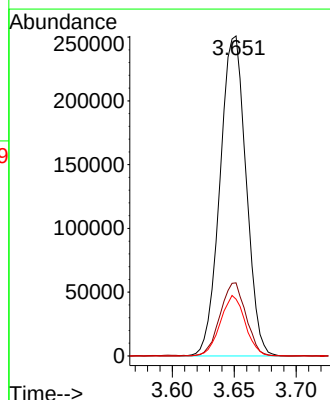
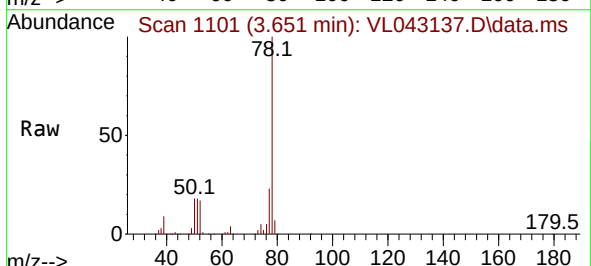
Tgt Ion: 78 Resp: 368027

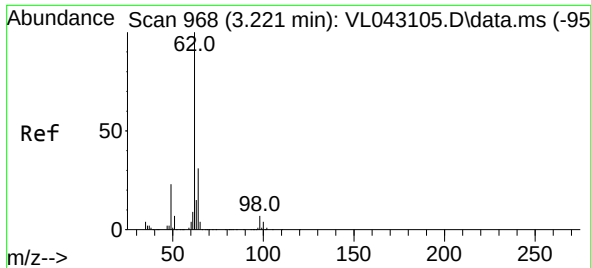
Ion Ratio Lower Upper

78 100

77 22.8 17.0 25.6

50 17.8 14.6 22.0





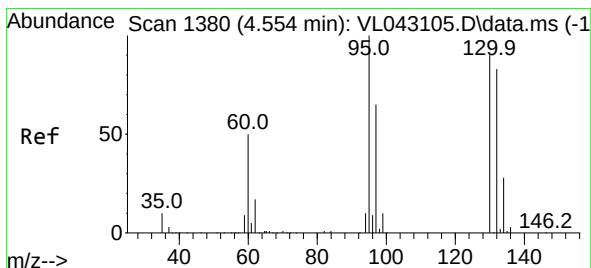
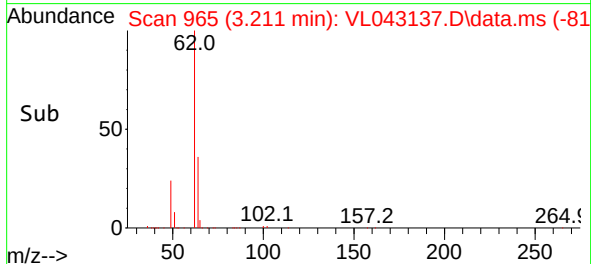
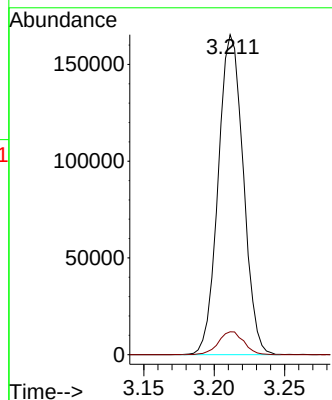
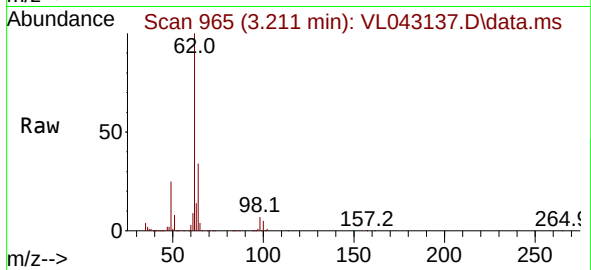
#37  
1,2-Dichloroethane  
Concen: 9.351 ppbv  
RT: 3.211 min Scan# 90  
Delta R.T. -0.010 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 62 Resp: 205502  
Ion Ratio Lower Upper  
62 100  
98 7.3 5.8 8.6

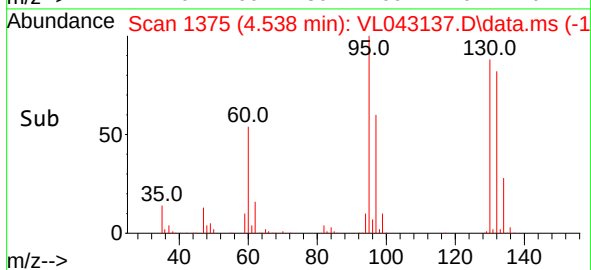
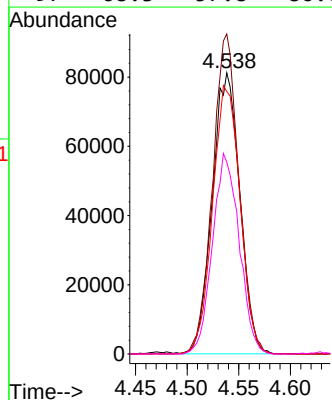
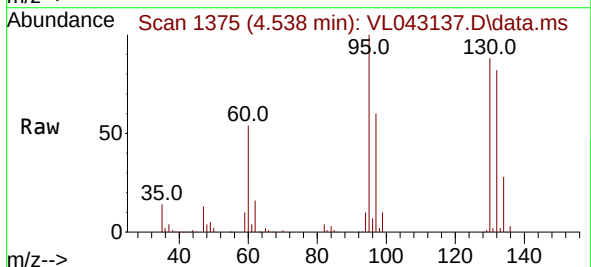
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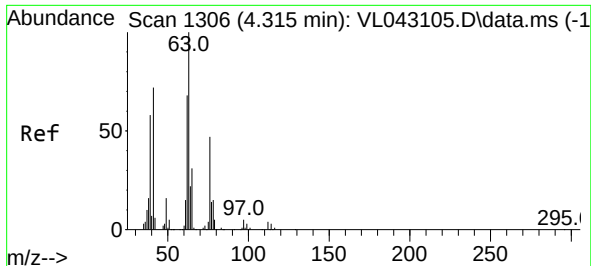
Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025



#38  
Trichloroethene  
Concen: 9.450 ppbv  
RT: 4.538 min Scan# 1375  
Delta R.T. -0.016 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Tgt Ion:130 Resp: 150562  
Ion Ratio Lower Upper  
130 100  
95 113.9 88.6 133.0  
132 93.5 73.4 110.0  
97 68.3 57.8 86.6





#39

1,2-Dichloropropane

Concen: 9.439 ppbv

RT: 4.305 min Scan# 1306

Delta R.T. -0.010 min

Lab File: VL043137.D

Acq: 03 Nov 2025 08:33

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 131638

Ion Ratio Lower Upper

63 100

41 74.6 58.0 87.0

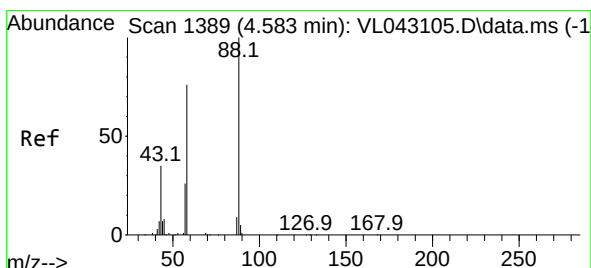
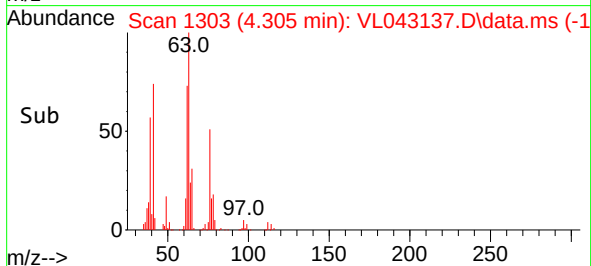
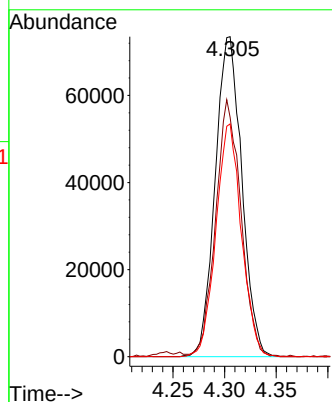
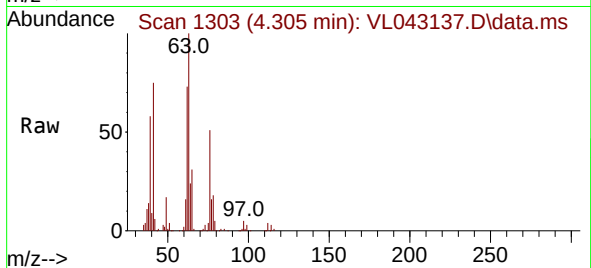
62 72.7 54.7 82.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/04/2025

Supervised By :Mahesh Dadoda 11/05/2025



#40

1,4-Dioxane

Concen: 9.484 ppbv

RT: 4.567 min Scan# 1384

Delta R.T. -0.016 min

Lab File: VL043137.D

Acq: 03 Nov 2025 08:33

Tgt Ion: 88 Resp: 59189

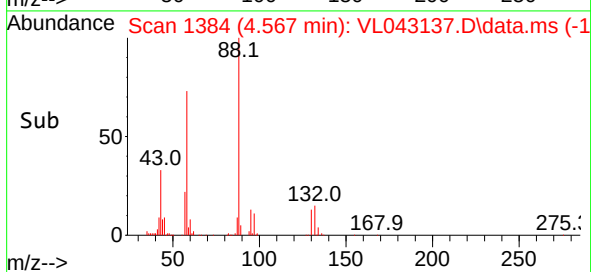
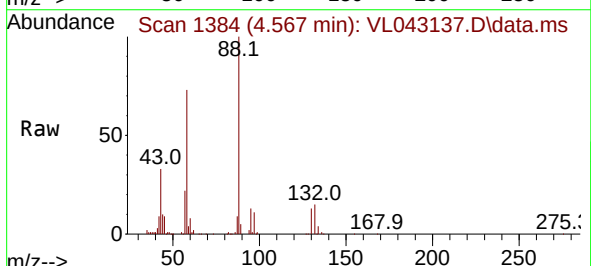
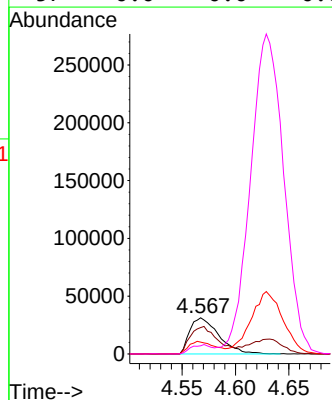
Ion Ratio Lower Upper

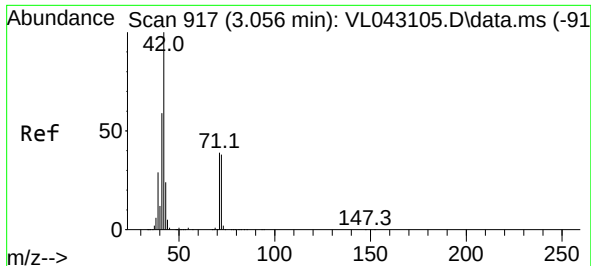
88 100

58 73.6 61.1 91.7

43 33.2 24.0 36.0

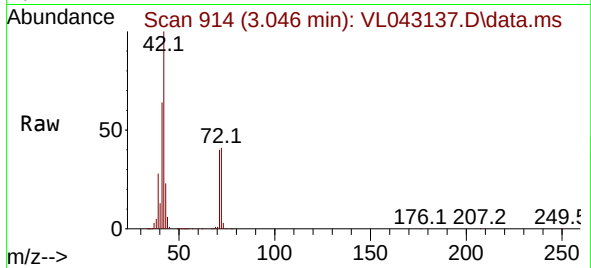
57 0.0 0.0 0.0





#41  
Tetrahydrofuran  
Concen: 9.030 ppbv  
RT: 3.046 min Scan# 917  
Delta R.T. -0.010 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

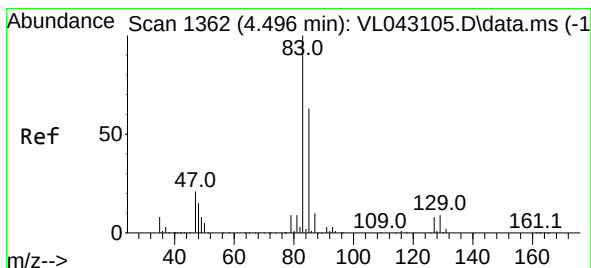
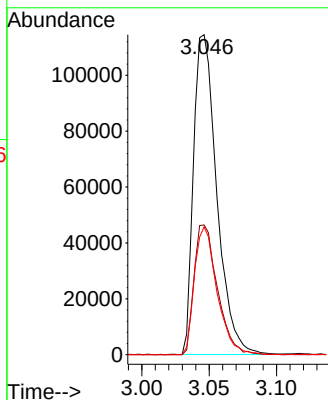
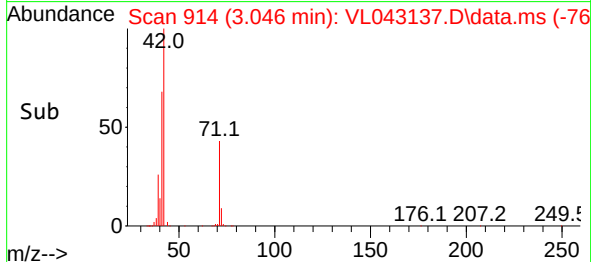
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 42 Resp: 137500  
Ion Ratio Lower Upper  
42 100  
72 40.7 31.3 46.9  
71 38.8 30.4 45.6

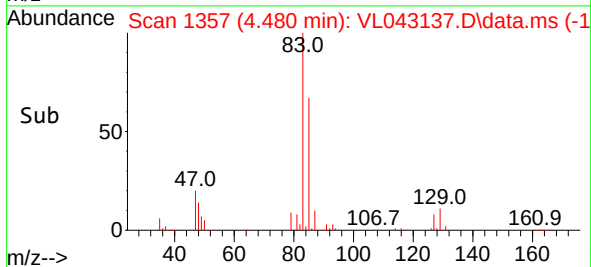
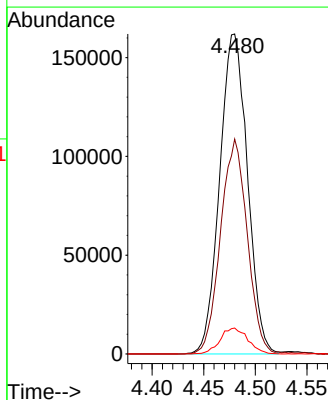
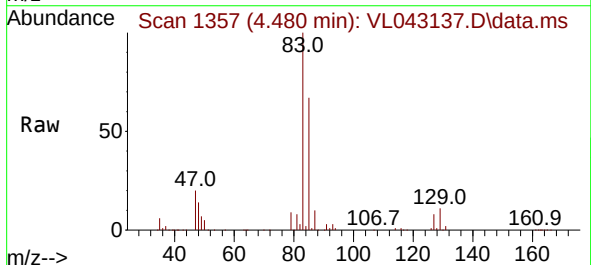
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025

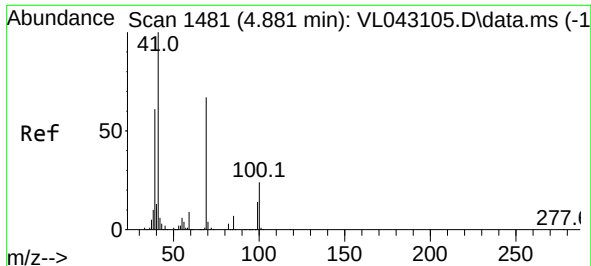


#42  
Bromodichloromethane  
Concen: 9.966 ppbv  
RT: 4.480 min Scan# 1357  
Delta R.T. -0.016 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Tgt Ion: 83 Resp: 303111  
Ion Ratio Lower Upper  
83 100  
85 67.1 50.6 75.8  
127 8.1 6.3 9.5

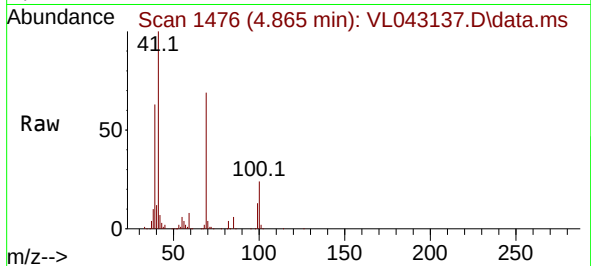






#43  
Methyl Methacrylate  
Concen: 9.170 ppbv  
RT: 4.865 min Scan# 1476  
Delta R.T. -0.016 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

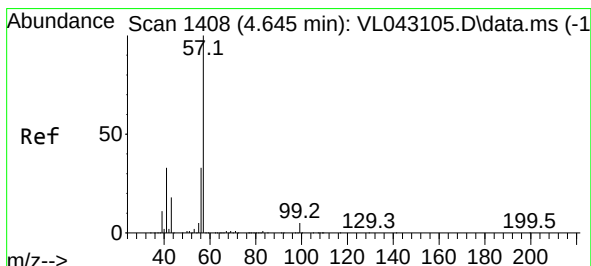
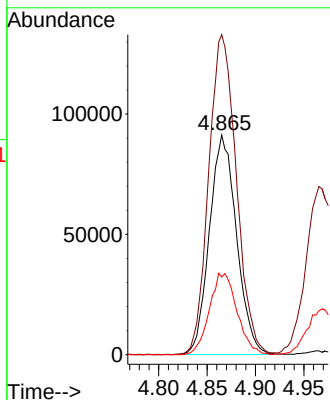
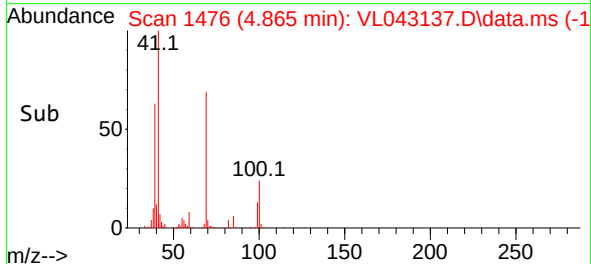
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



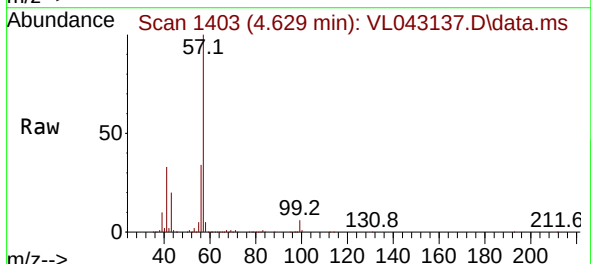
Tgt Ion: 69 Resp: 177660  
Ion Ratio Lower Upper  
69 100  
41 148.9 120.5 180.7  
100 37.9 29.0 43.4

Manual Integrations  
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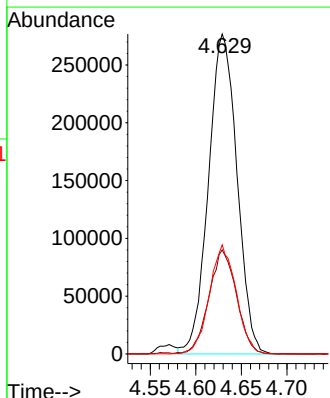
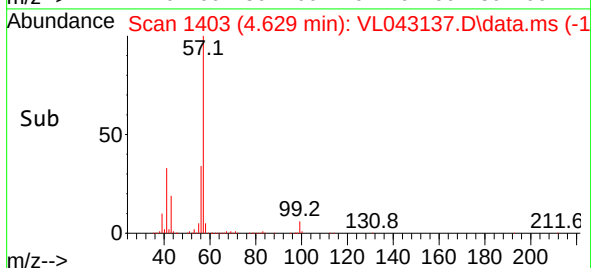
Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025

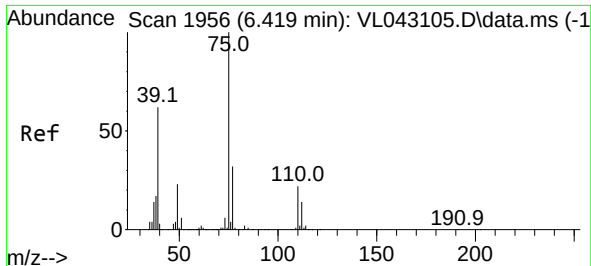


#44  
2,2,4-Trimethylpentane  
Concen: 9.373 ppbv  
RT: 4.629 min Scan# 1403  
Delta R.T. -0.016 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33



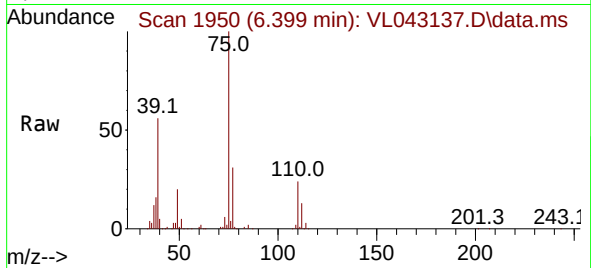
Tgt Ion: 57 Resp: 603249  
Ion Ratio Lower Upper  
57 100  
41 31.8 26.3 39.5  
56 32.0 25.9 38.9





#45  
 t-1,3-Dichloropropene  
 Concen: 9.719 ppbv  
 RT: 6.399 min Scan# 1699  
 Delta R.T. -0.019 min  
 Lab File: VL043137.D  
 Acq: 03 Nov 2025 08:33

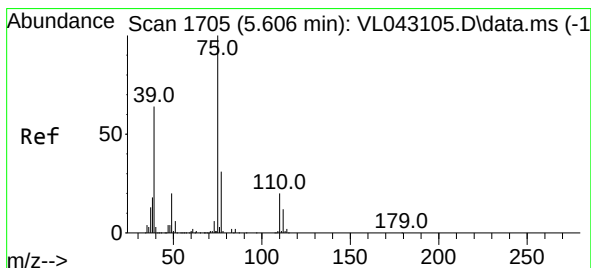
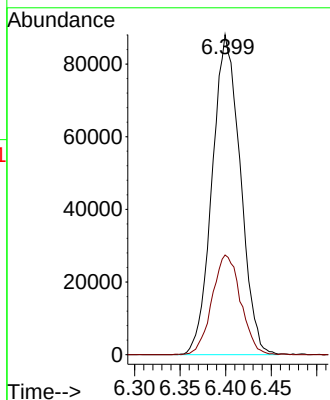
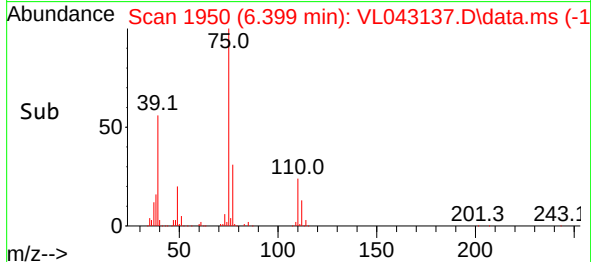
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



Tgt Ion: 75 Resp: 188975  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 25.4 38.2

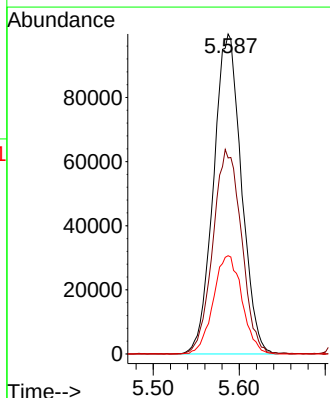
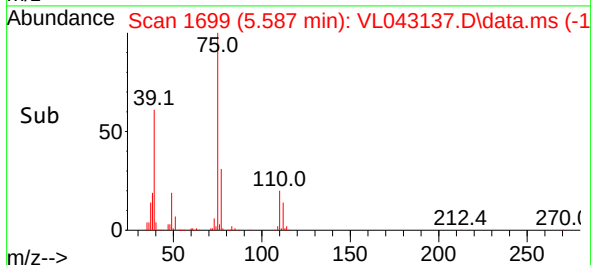
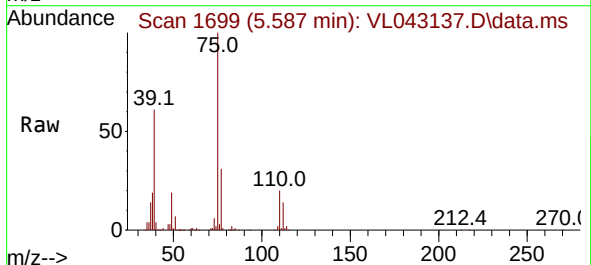
Manual Integrations  
 APPROVED

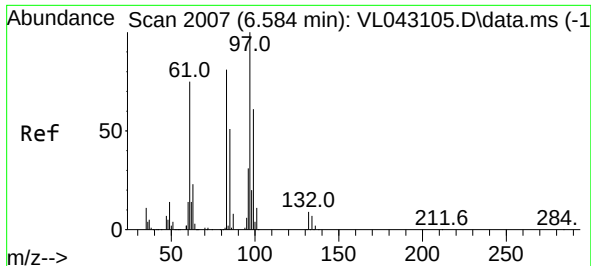
Reviewed By :Semsettin Yesilyurt 11/04/2025  
 Supervised By :Mahesh Dadoda 11/05/2025



#46  
 cis-1,3-Dichloropropene  
 Concen: 9.666 ppbv  
 RT: 5.587 min Scan# 1699  
 Delta R.T. -0.019 min  
 Lab File: VL043137.D  
 Acq: 03 Nov 2025 08:33

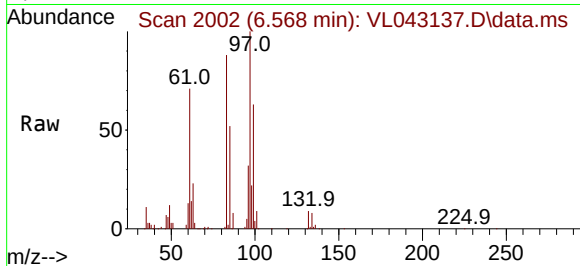
Tgt Ion: 75 Resp: 224505  
 Ion Ratio Lower Upper  
 75 100  
 39 61.1 51.0 76.6  
 77 30.7 25.0 37.4





#47  
1,1,2-Trichloroethane  
Concen: 9.703 ppbv  
RT: 6.568 min Scan# 2007  
Delta R.T. -0.016 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

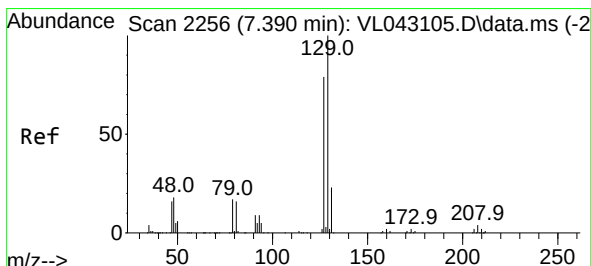
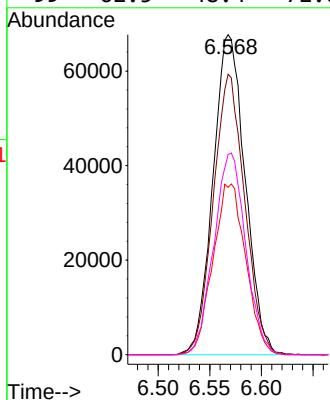
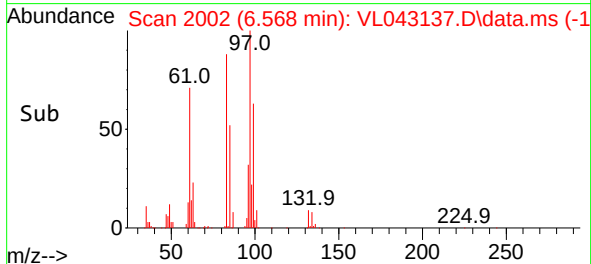
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 97 Resp: 146134  
Ion Ratio Lower Upper  
97 100  
83 87.5 64.6 96.8  
85 52.2 40.6 60.8  
99 62.5 48.4 72.6

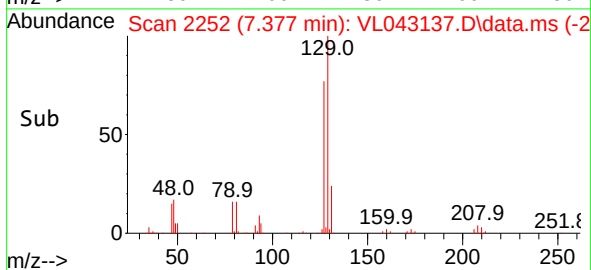
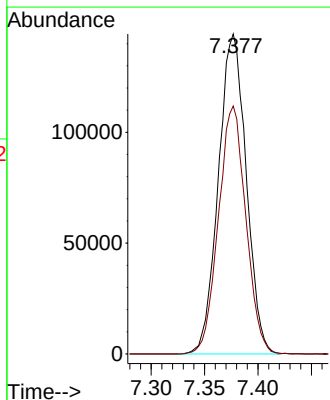
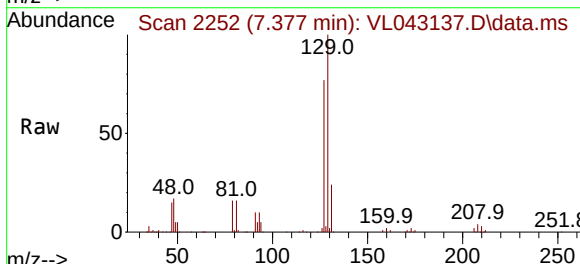
Manual Integrations  
APPROVED

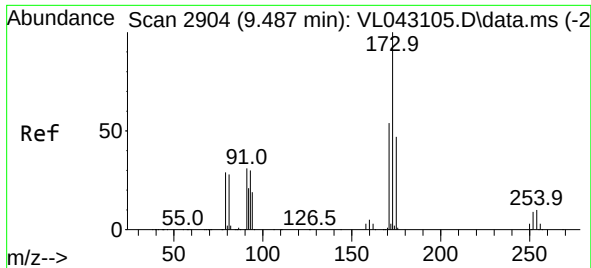
Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025



#48  
Dibromochloromethane  
Concen: 10.387 ppbv  
RT: 7.377 min Scan# 2252  
Delta R.T. -0.013 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Tgt Ion:129 Resp: 261549  
Ion Ratio Lower Upper  
129 100  
127 76.3 39.3 117.9





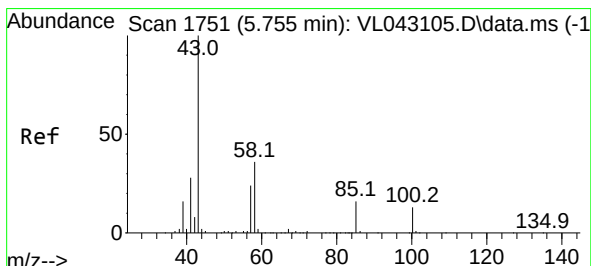
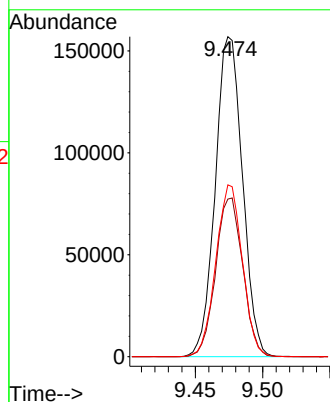
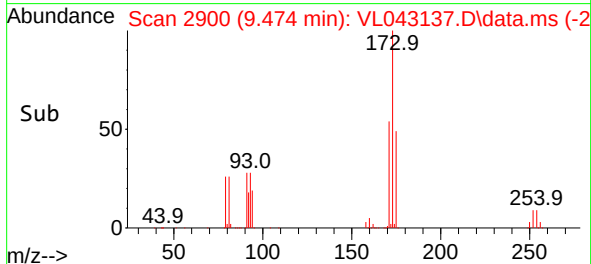
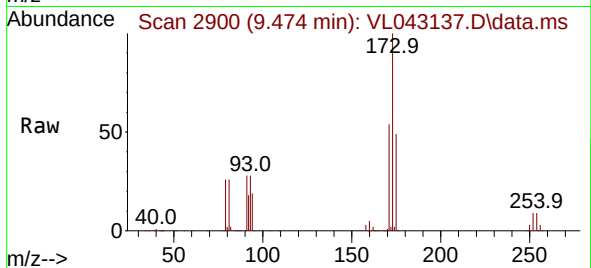
#49  
Bromoform  
Concen: 10.777 ppbv  
RT: 9.474 min Scan# 2904  
Delta R.T. -0.013 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion:173 Resp: 220579  
Ion Ratio Lower Upper  
173 100  
175 49.5 38.8 58.2  
171 52.4 41.7 62.5

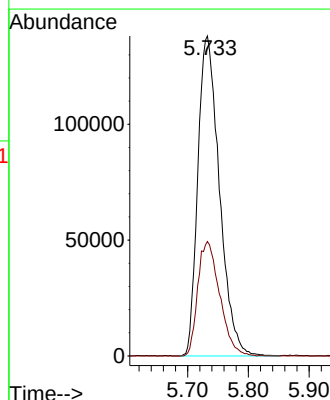
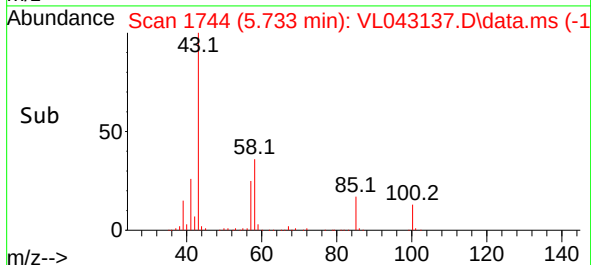
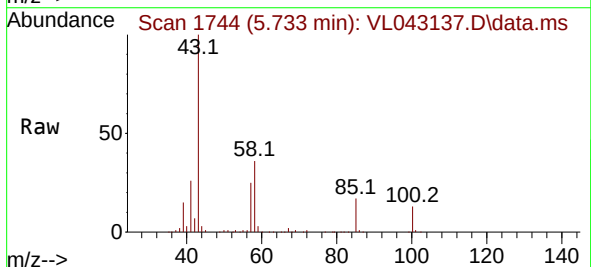
Manual Integrations  
APPROVED

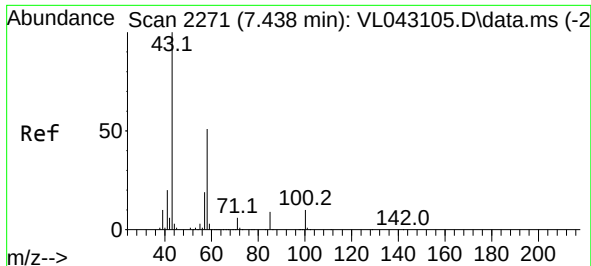
Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025



#50  
4-Methyl-2-Pentanone  
Concen: 9.059 ppbv  
RT: 5.733 min Scan# 1744  
Delta R.T. -0.023 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

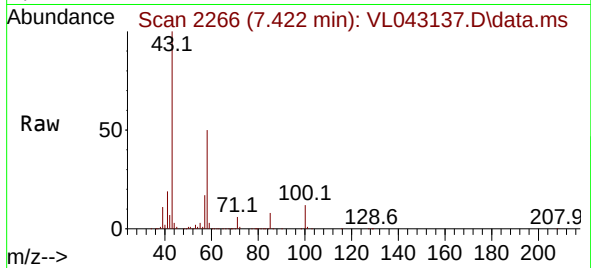
Tgt Ion: 43 Resp: 340366  
Ion Ratio Lower Upper  
43 100  
58 36.3 29.1 43.7





#51  
2-Hexanone  
Concen: 9.258 ppbv  
RT: 7.422 min Scan# 2111  
Delta R.T. -0.016 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

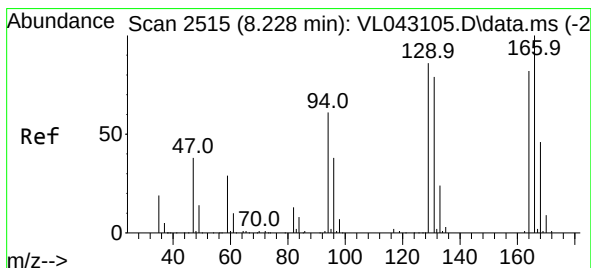
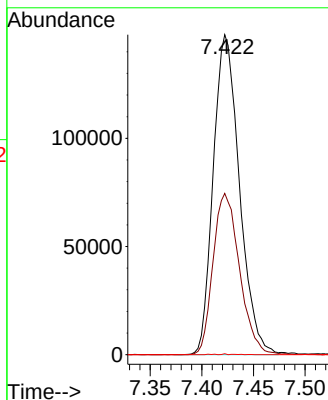
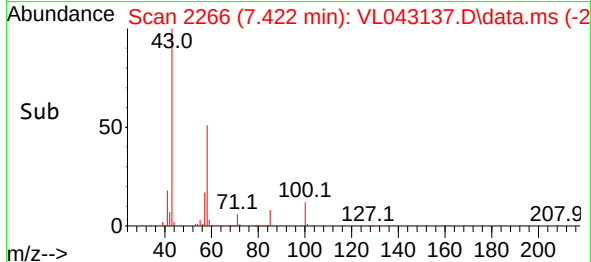
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 43 Resp: 260908  
Ion Ratio Lower Upper  
43 100  
58 51.0 40.4 60.6  
98 0.1 0.1 0.1

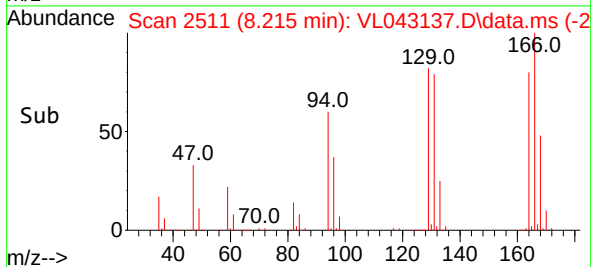
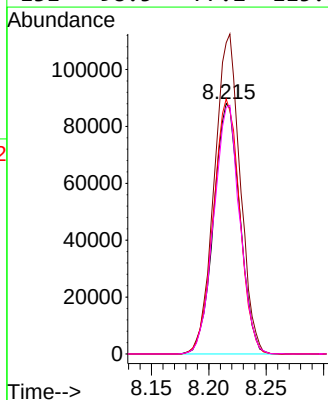
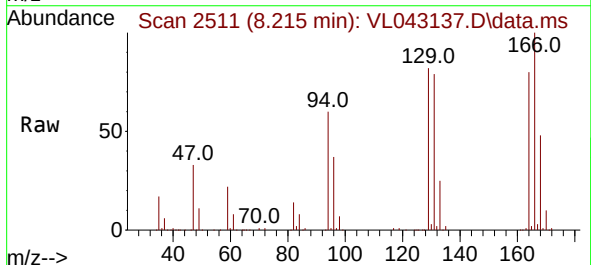
Manual Integrations  
APPROVED

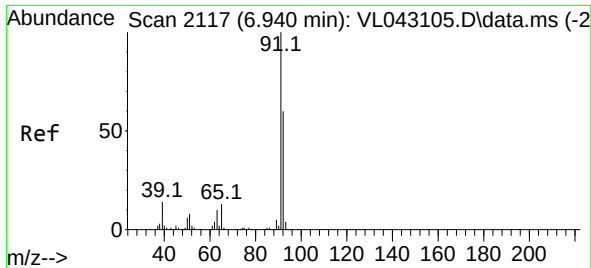
Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025



#52  
Tetrachloroethene  
Concen: 10.164 ppbv  
RT: 8.215 min Scan# 2511  
Delta R.T. -0.013 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

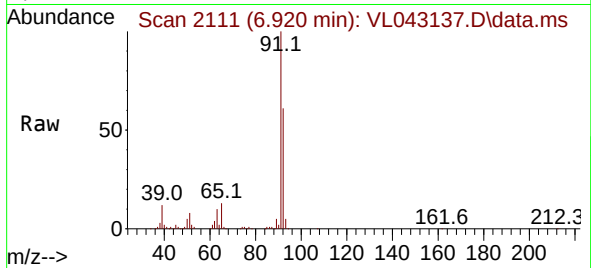
Tgt Ion:164 Resp: 139823  
Ion Ratio Lower Upper  
164 100  
166 124.3 97.6 146.4  
129 101.9 84.5 126.7  
131 98.5 77.2 115.8





#53  
Toluene  
Concen: 9.488 ppbv  
RT: 6.920 min Scan# 2117  
Delta R.T. -0.019 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

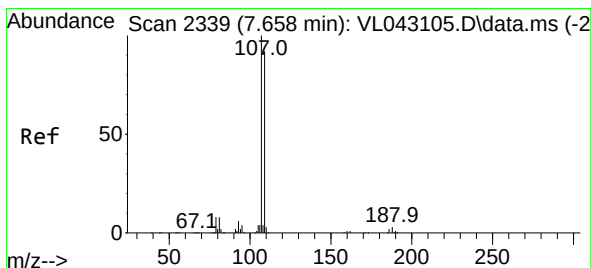
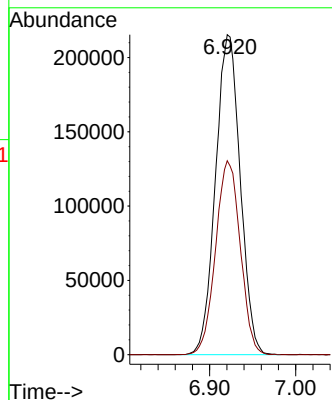
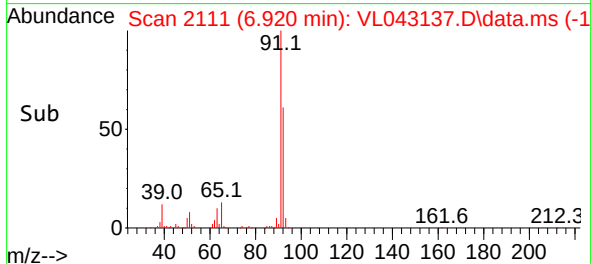
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



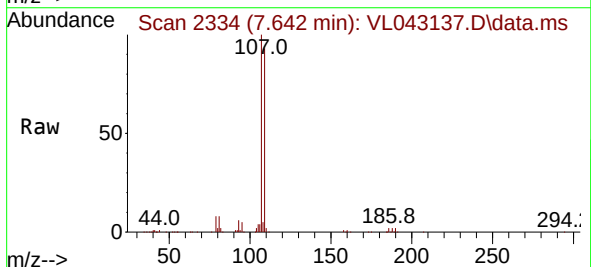
Tgt Ion: 91 Resp: 42958  
Ion Ratio Lower Upper  
91 100  
92 60.5 48.8 73.2

Manual Integrations  
APPROVED

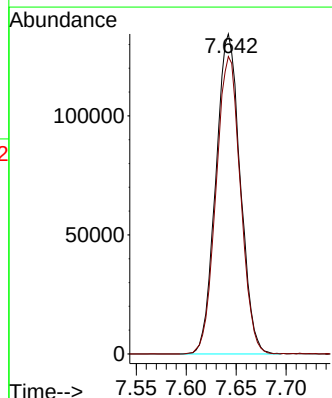
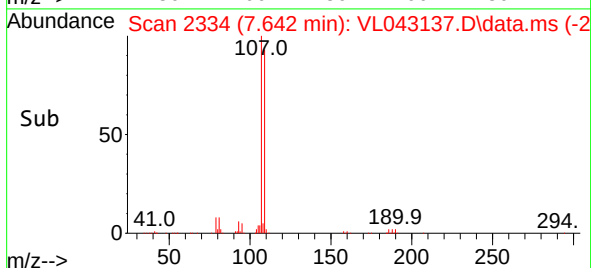
Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025

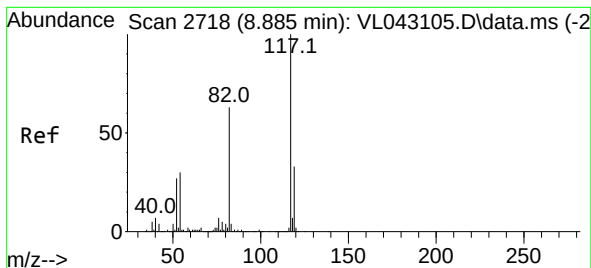


#54  
1,2-Dibromoethane  
Concen: 9.698 ppbv  
RT: 7.642 min Scan# 2334  
Delta R.T. -0.016 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33



Tgt Ion:107 Resp: 228778  
Ion Ratio Lower Upper  
107 100  
109 93.0 73.4 110.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.872 min Scan# 2718

Delta R.T. -0.013 min

Lab File: VL043137.D

Acq: 03 Nov 2025 08:33

Instrument :

MSVOA\_L

ClientSampleId :

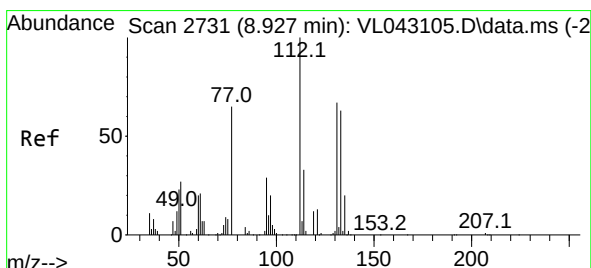
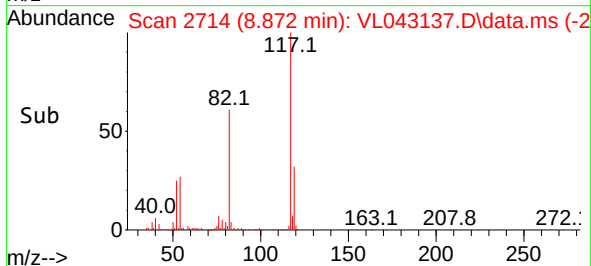
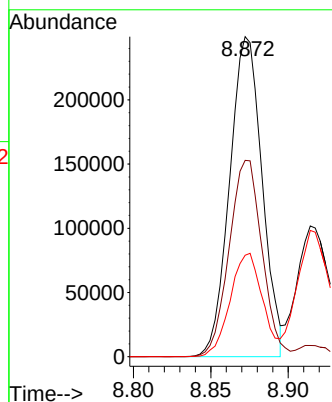
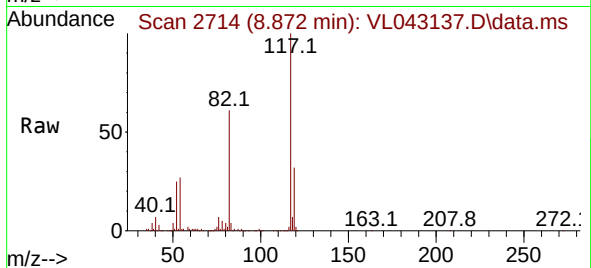
VSTDCCC010

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 363489 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 65.6  | 53.8  | 80.8   |
| 119       | 31.7  | 25.4  | 38.0   |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 10.233 ppbv

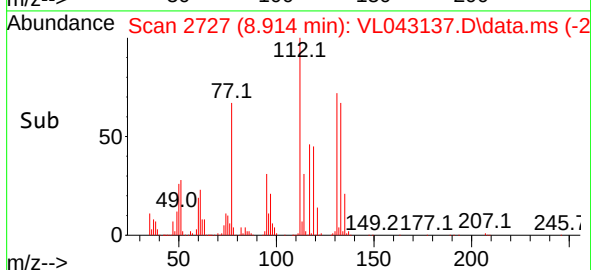
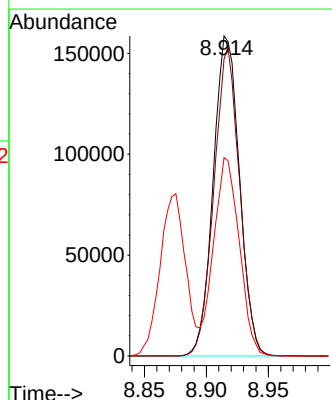
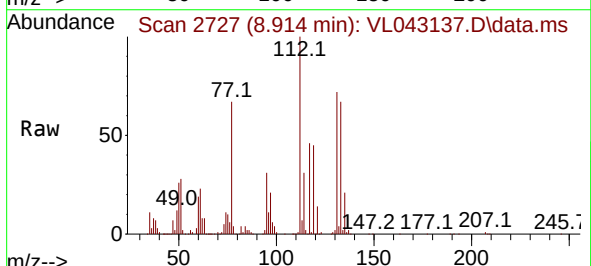
RT: 8.914 min Scan# 2727

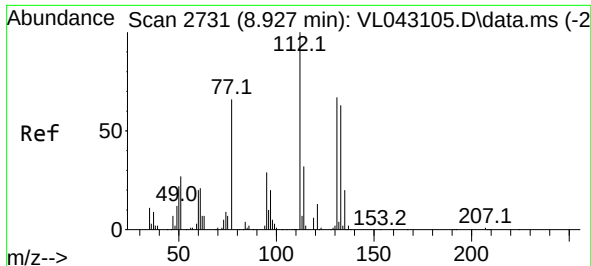
Delta R.T. -0.013 min

Lab File: VL043137.D

Acq: 03 Nov 2025 08:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 131   | Resp: | 234465 |
| Ion Ratio | Lower | Upper |        |
| 131       | 100   |       |        |
| 133       | 94.1  | 75.7  | 113.5  |
| 119       | 61.5  | 50.6  | 76.0   |





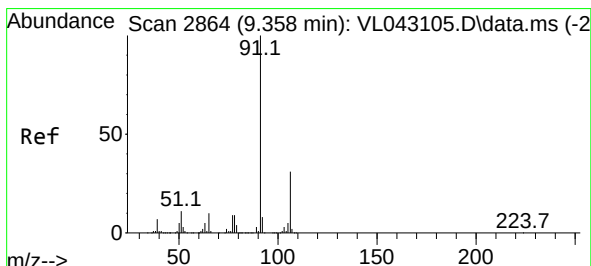
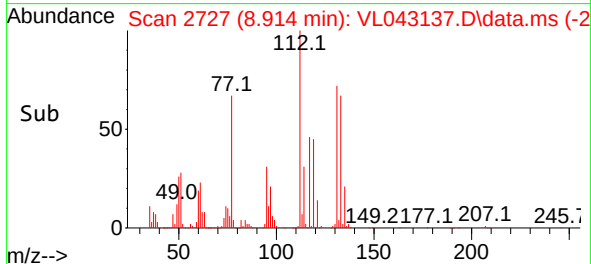
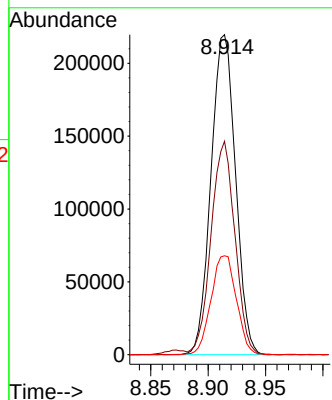
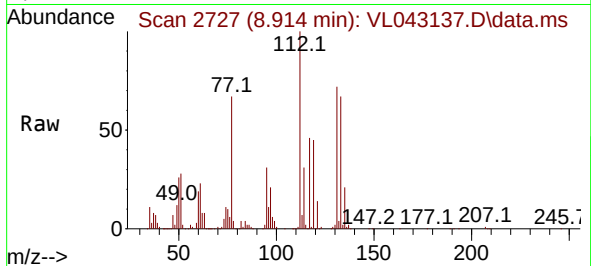
#57  
Chlorobenzene  
Concen: 9.618 ppbv  
RT: 8.914 min Scan# 21  
Delta R.T. -0.013 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion:112 Resp: 327054  
Ion Ratio Lower Upper  
112 100  
77 66.7 53.3 79.9  
114 30.9 29.3 35.8

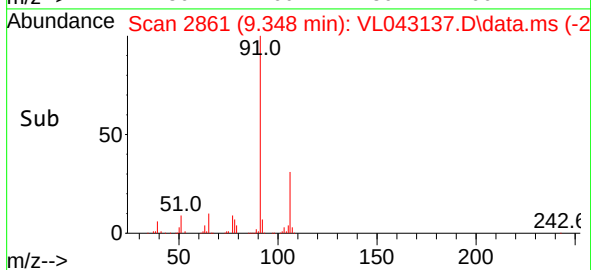
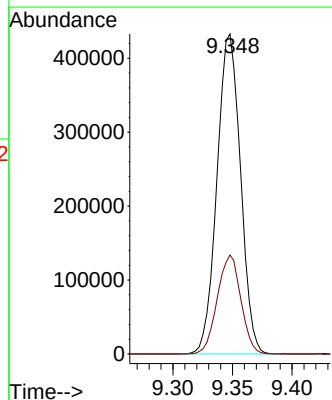
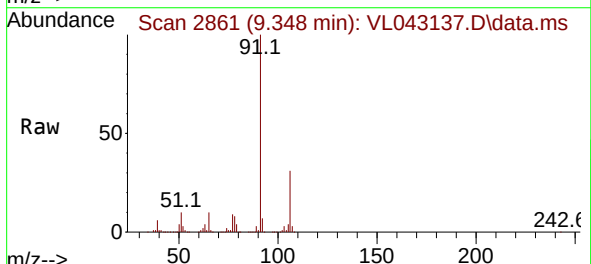
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025

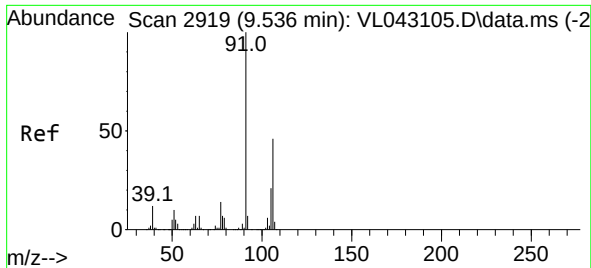


#58  
Ethyl Benzene  
Concen: 9.524 ppbv  
RT: 9.348 min Scan# 2861  
Delta R.T. -0.010 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Tgt Ion: 91 Resp: 594108  
Ion Ratio Lower Upper  
91 100  
106 30.9 24.8 37.2







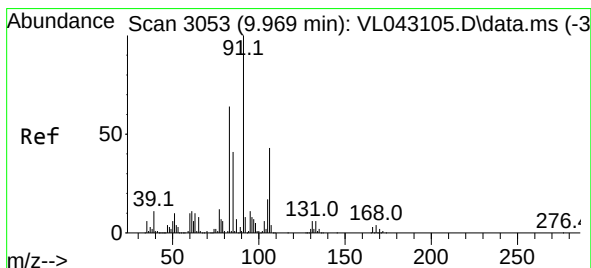
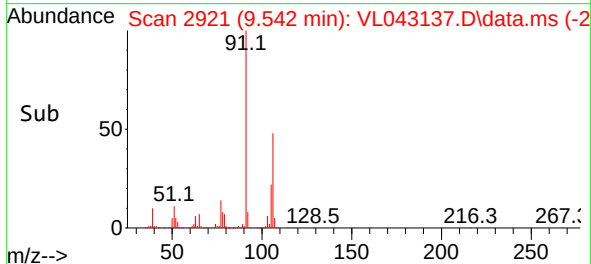
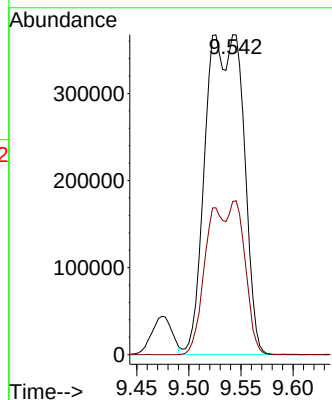
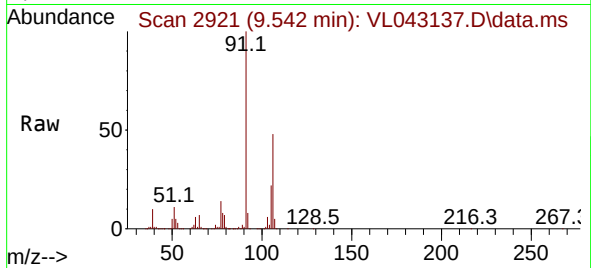
#59  
m/p-Xylene  
Concen: 18.858 ppbv m  
RT: 9.542 min Scan# 2919  
Delta R.T. 0.007 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 91 Resp: 93831  
Ion Ratio Lower Upper  
91 100  
106 0.0 38.0 57.0

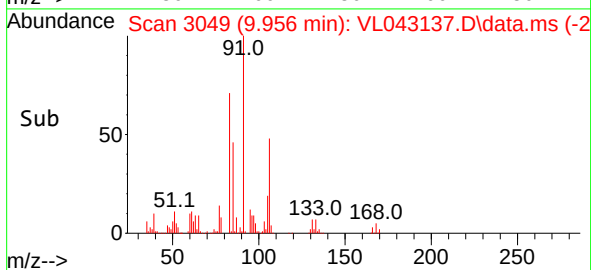
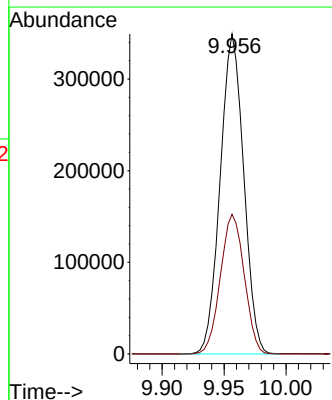
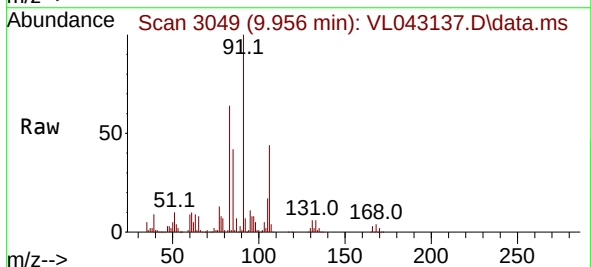
Manual Integrations  
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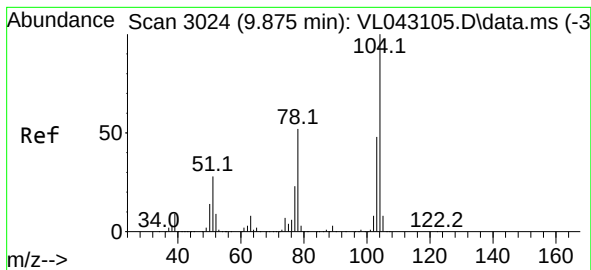
Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025



#60  
o-Xylene  
Concen: 9.401 ppbv  
RT: 9.956 min Scan# 3049  
Delta R.T. -0.013 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Tgt Ion: 91 Resp: 461992  
Ion Ratio Lower Upper  
91 100  
106 44.2 21.9 65.8





#61

Styrene

Concen: 9.551 ppbv

RT: 9.863 min Scan# 3024

Delta R.T. -0.013 min

Lab File: VL043137.D

Acq: 03 Nov 2025 08:33

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

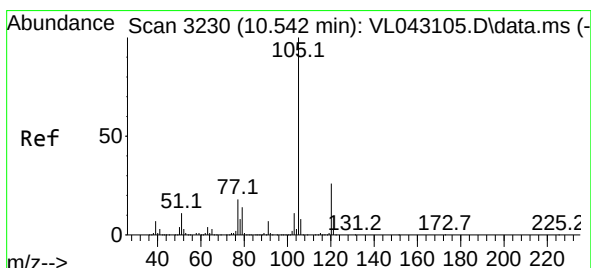
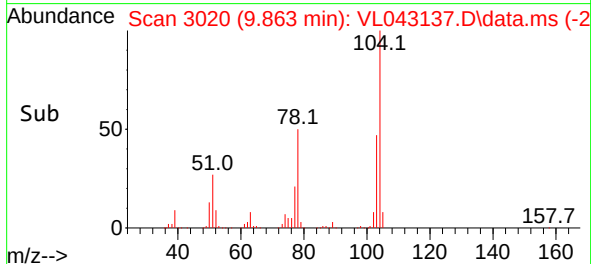
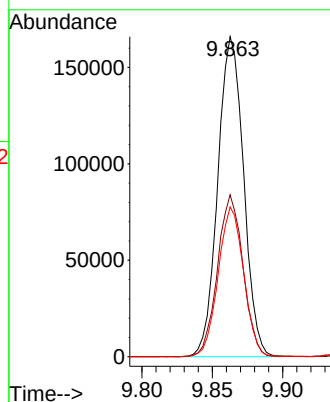
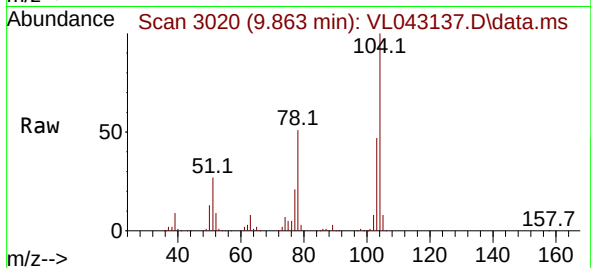
Tgt Ion:104 Resp: 21188

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 104 | 100   |       |       |
| 78  | 49.9  | 40.2  | 60.2  |
| 103 | 46.2  | 36.9  | 55.3  |

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Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025



#62

Isopropylbenzene

Concen: 9.541 ppbv

RT: 10.533 min Scan# 3227

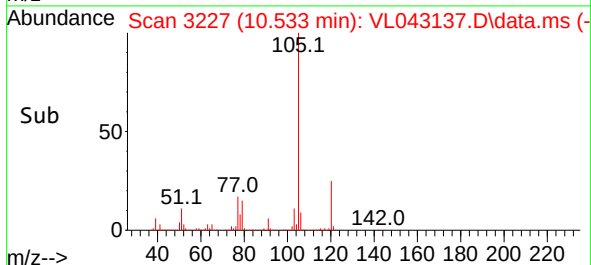
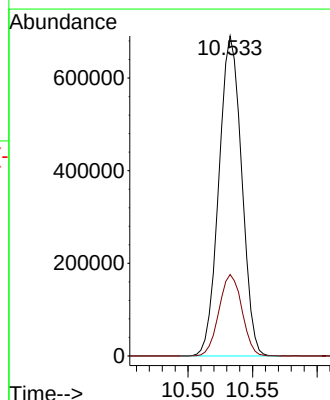
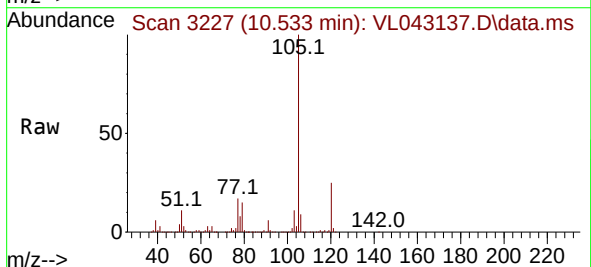
Delta R.T. -0.010 min

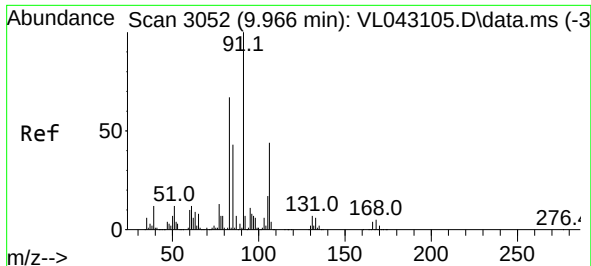
Lab File: VL043137.D

Acq: 03 Nov 2025 08:33

Tgt Ion:105 Resp: 847198

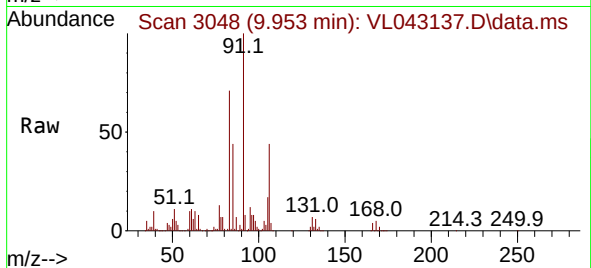
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 25.6  | 20.2  | 30.4  |





#63  
1,1,2,2-Tetrachloroethane  
Concen: 8.902 ppbv  
RT: 9.953 min Scan# 3048  
Delta R.T. -0.013 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

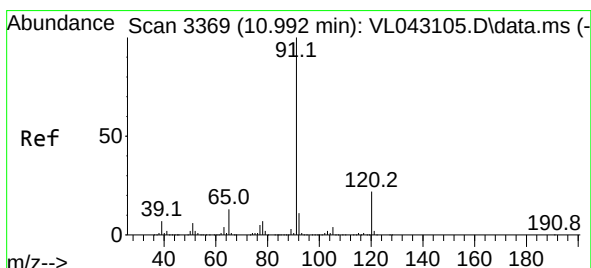
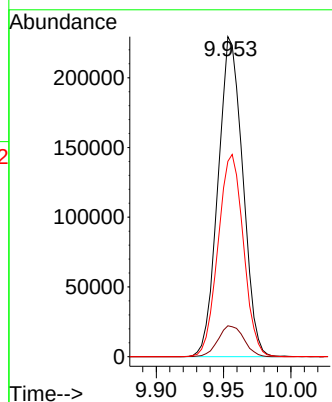
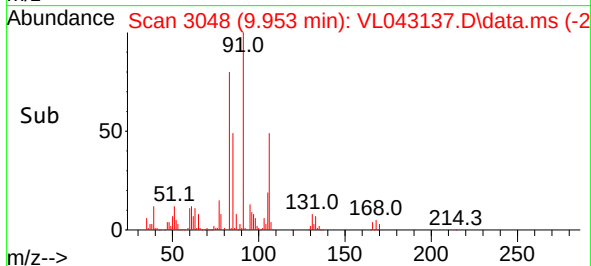
Instrument : MSVOA\_L  
ClientSampleId : VSTDCCC010



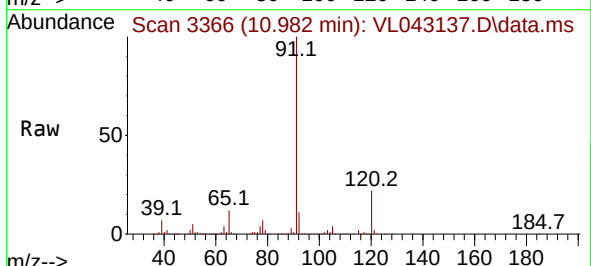
Tgt Ion: 83 Resp: 292938  
Ion Ratio Lower Upper  
83 100  
131 10.1 4.8 14.3  
85 64.8 32.0 96.0

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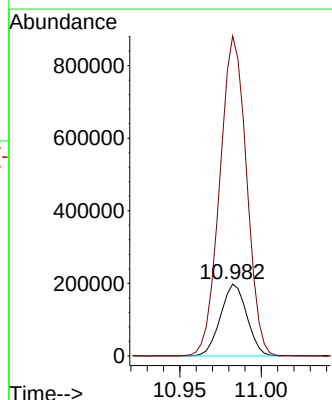
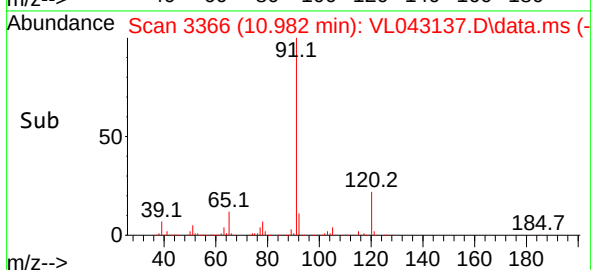
Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025

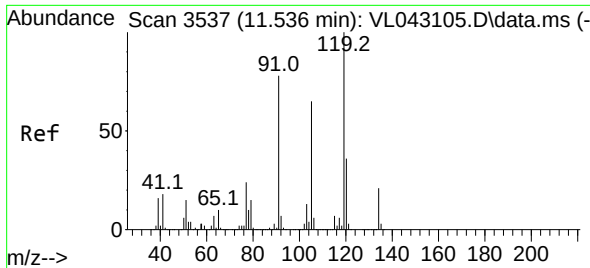


#64  
n-propylbenzene  
Concen: 9.446 ppbv  
RT: 10.982 min Scan# 3366  
Delta R.T. -0.010 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33



Tgt Ion:120 Resp: 222061  
Ion Ratio Lower Upper  
120 100  
91 454.2 361.6 542.4





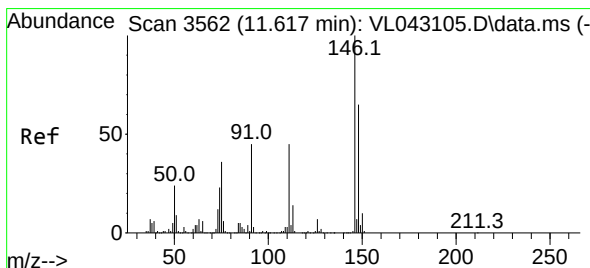
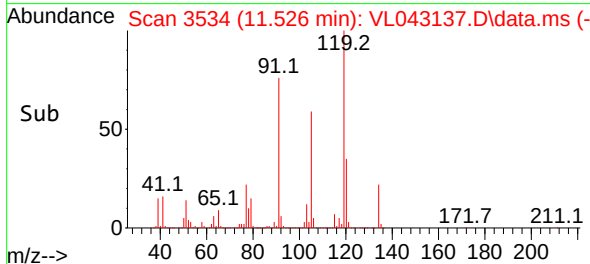
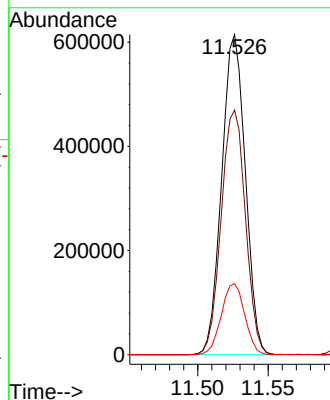
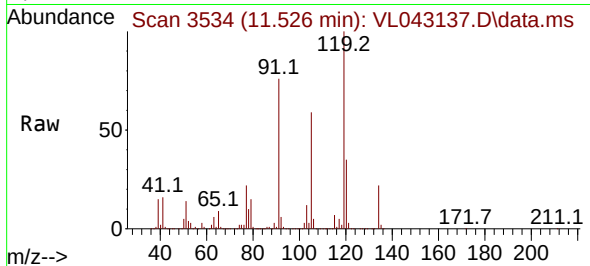
#65  
tert-Butylbenzene  
Concen: 9.159 ppbv  
RT: 11.526 min Scan# 3534  
Delta R.T. -0.010 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Instrument : MSVOA\_L  
ClientSampleId : VSTDCCC010

Tgt Ion: 119 Resp: 718200  
Ion Ratio Lower Upper  
119 100  
91 78.5 63.4 95.0  
134 22.0 17.3 25.9

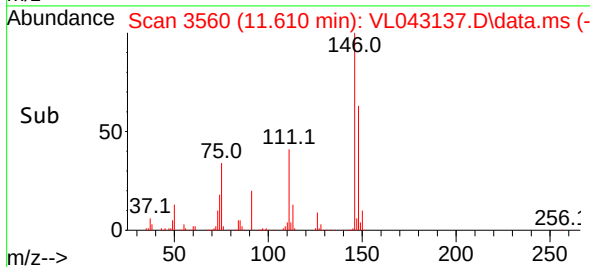
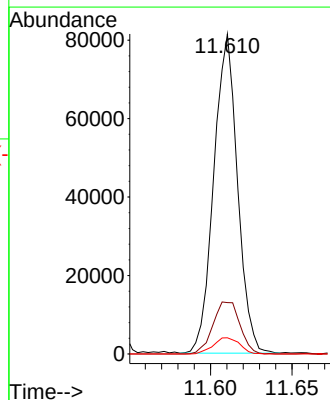
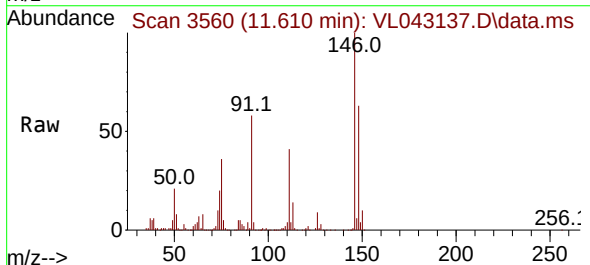
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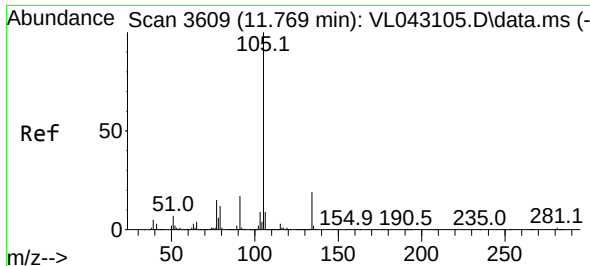
Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025



#66  
Benzyl Chloride  
Concen: 9.427 ppbv  
RT: 11.610 min Scan# 3560  
Delta R.T. -0.006 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Tgt Ion: 91 Resp: 82278  
Ion Ratio Lower Upper  
91 100  
126 18.7 14.6 22.0  
128 5.7 4.6 6.8





#67

sec-Butylbenzene

Concen: 9.198 ppbv

RT: 11.762 min Scan# 30

Delta R.T. -0.006 min

Lab File: VL043137.D

Acq: 03 Nov 2025 08:33

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 102362

Ion Ratio Lower Upper

105 100

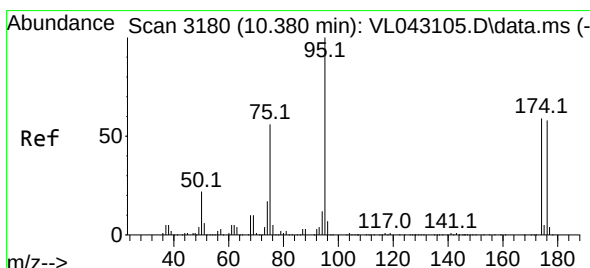
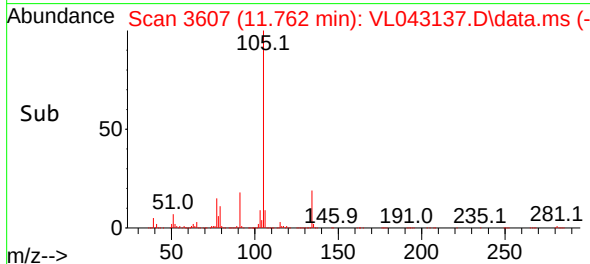
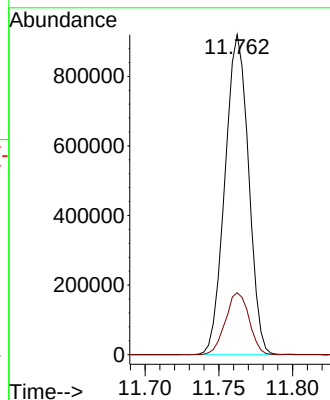
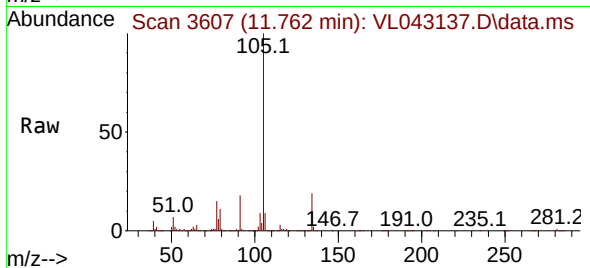
134 19.5 15.5 23.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/04/2025

Supervised By :Mahesh Dadoda 11/05/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 9.967 ppbv

RT: 10.371 min Scan# 3177

Delta R.T. -0.010 min

Lab File: VL043137.D

Acq: 03 Nov 2025 08:33

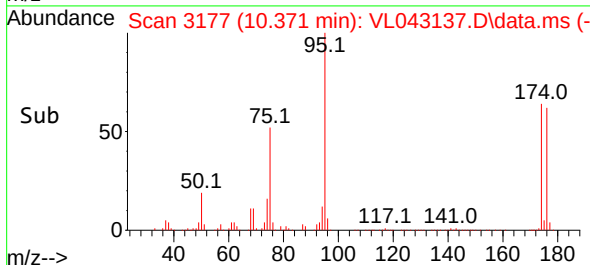
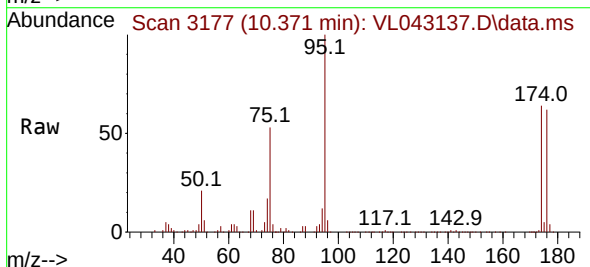
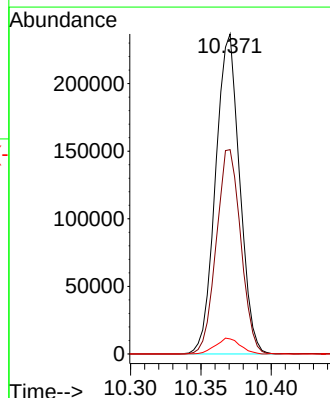
Tgt Ion: 95 Resp: 281587

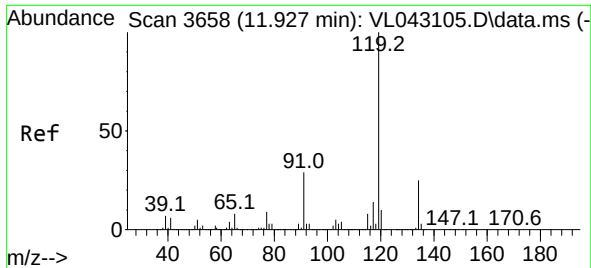
Ion Ratio Lower Upper

95 100

174 65.0 48.3 72.5

175 5.1 3.8 5.8





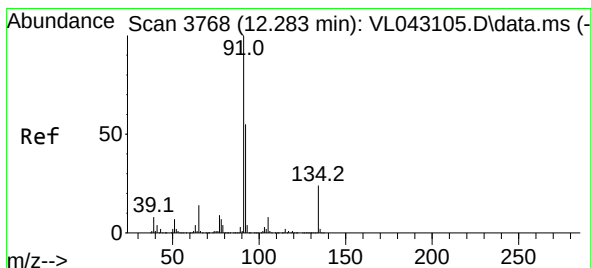
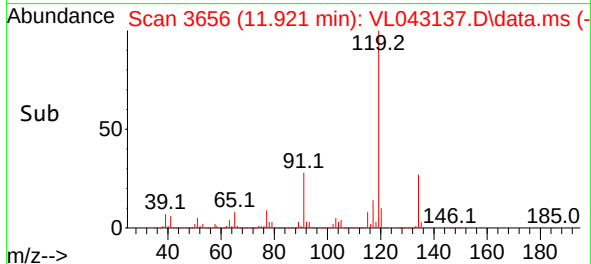
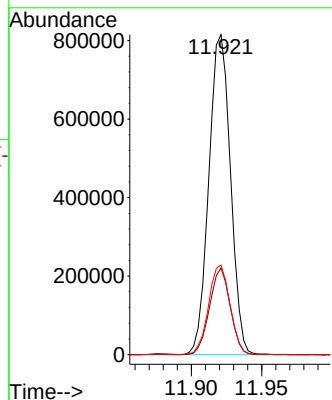
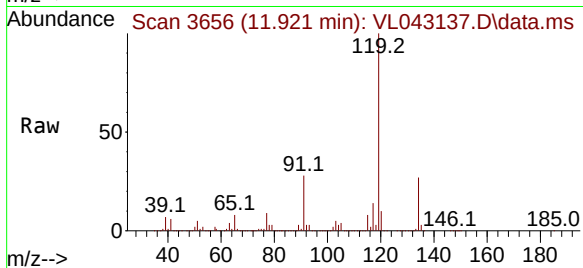
#69  
p-Isopropyltoluene  
Concen: 9.200 ppbv  
RT: 11.921 min Scan# 3656  
Delta R.T. -0.006 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion:119 Resp: 870091  
Ion Ratio Lower Upper  
119 100  
134 26.0 20.3 30.5  
91 27.9 22.6 33.8

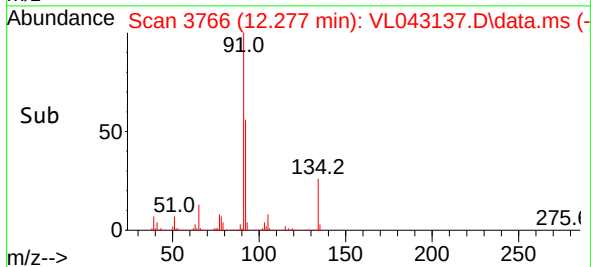
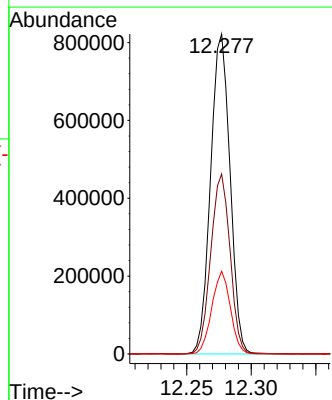
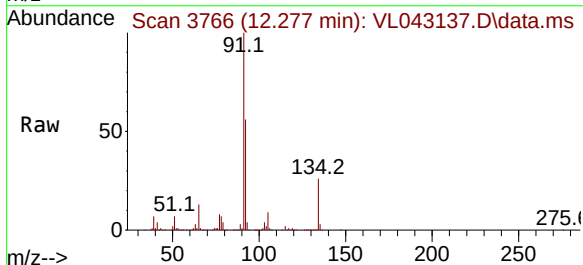
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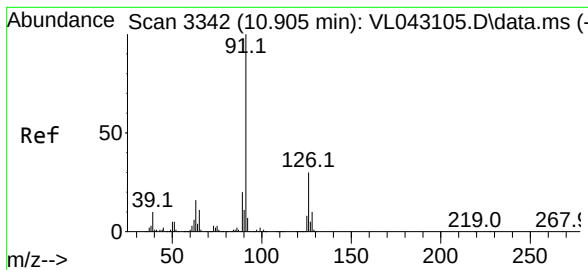
Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025



#70  
n-Butylbenzene  
Concen: 9.228 ppbv  
RT: 12.277 min Scan# 3766  
Delta R.T. -0.006 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Tgt Ion: 91 Resp: 859996  
Ion Ratio Lower Upper  
91 100  
92 56.0 44.5 66.7  
134 24.7 19.3 28.9





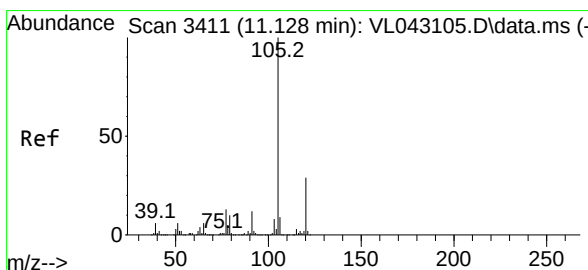
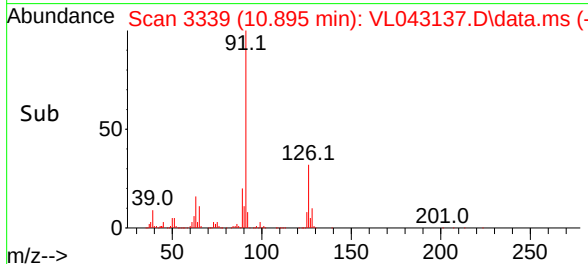
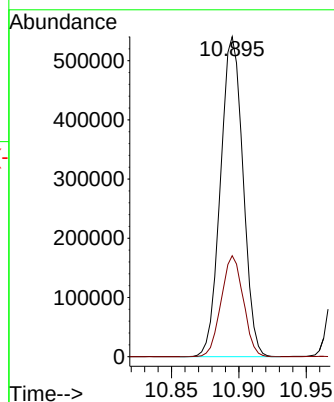
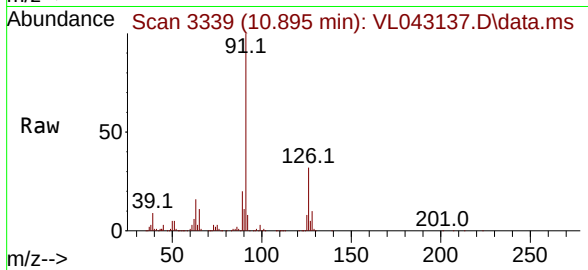
#71  
2-Chlorotoluene  
Concen: 9.287 ppbv  
RT: 10.895 min Scan# 31  
Delta R.T. -0.010 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 91 Resp: 62900  
Ion Ratio Lower Upper  
91 100  
126 30.9 12.0 48.0

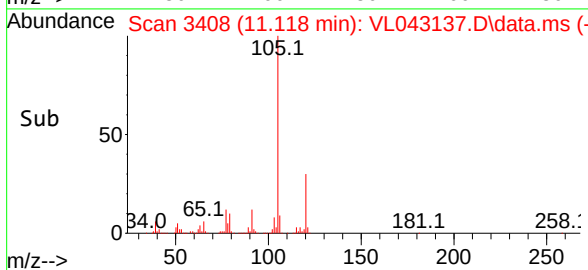
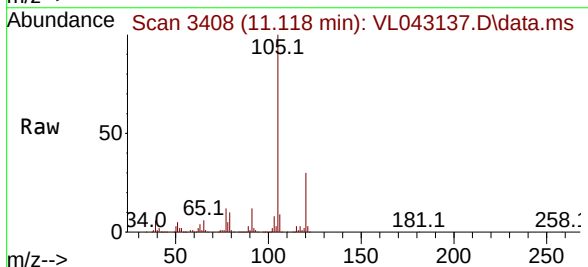
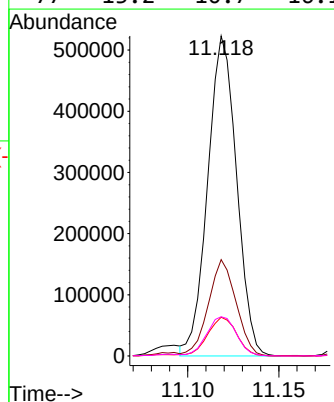
Manual Integrations  
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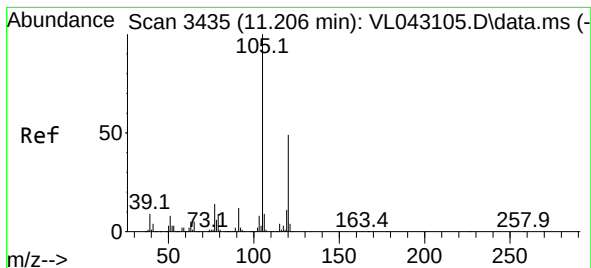
Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025



#72  
4-Ethyltoluene  
Concen: 9.538 ppbv  
RT: 11.118 min Scan# 3408  
Delta R.T. -0.010 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Tgt Ion:105 Resp: 576358  
Ion Ratio Lower Upper  
105 100  
120 30.0 24.2 36.4  
91 12.6 10.0 15.0  
77 13.2 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 9.499 ppbv

RT: 11.196 min Scan# 3435

Delta R.T. -0.010 min

Lab File: VL043137.D

Acq: 03 Nov 2025 08:33

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 473349

Ion Ratio Lower Upper

105 100

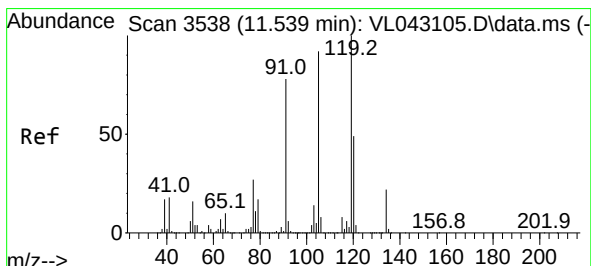
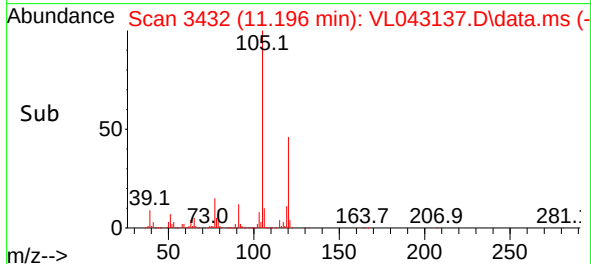
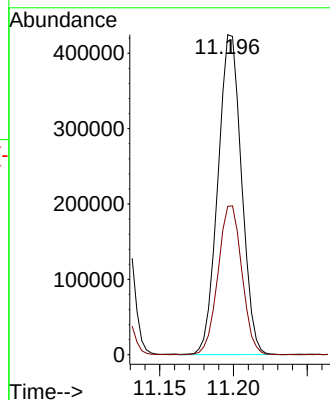
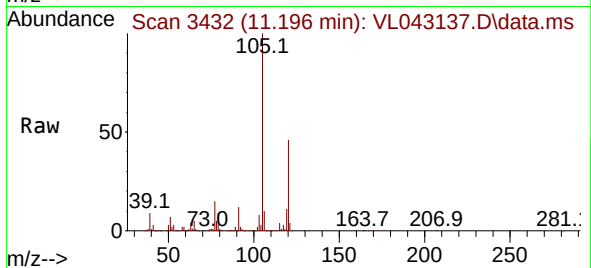
120 46.4 39.0 58.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/04/2025

Supervised By :Mahesh Dadoda 11/05/2025



#74

1,2,4-Trimethylbenzene

Concen: 9.171 ppbv

RT: 11.533 min Scan# 3536

Delta R.T. -0.006 min

Lab File: VL043137.D

Acq: 03 Nov 2025 08:33

Tgt Ion:105 Resp: 511430

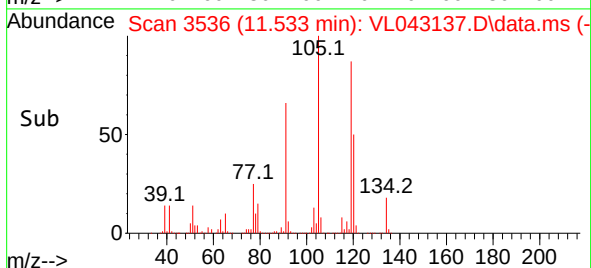
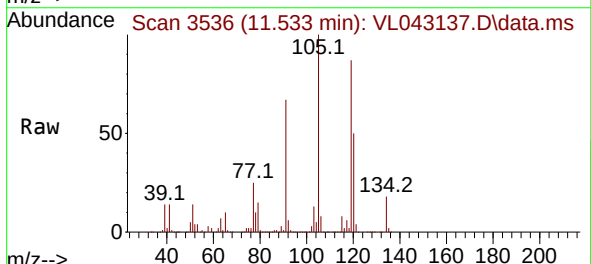
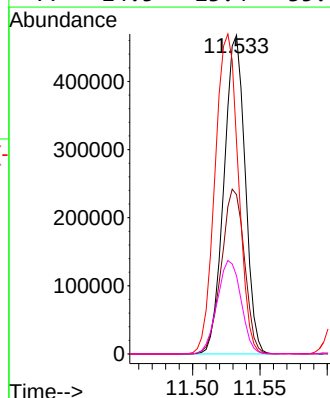
Ion Ratio Lower Upper

105 100

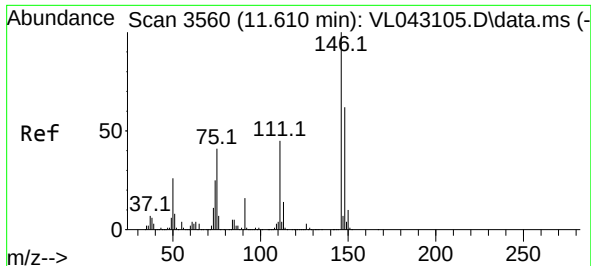
120 50.0 42.8 64.2

91 66.5 68.3 102.5#

77 24.5 23.4 35.0







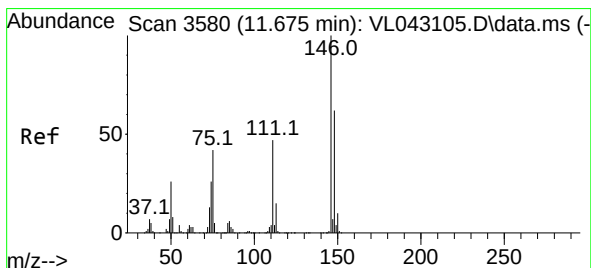
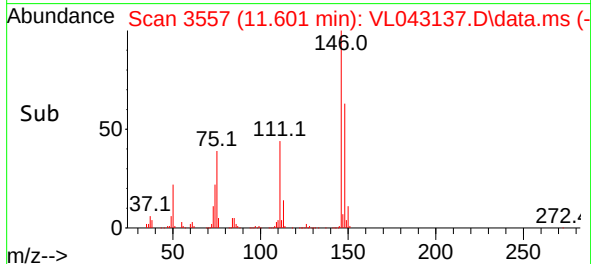
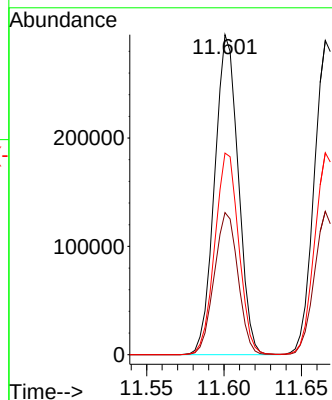
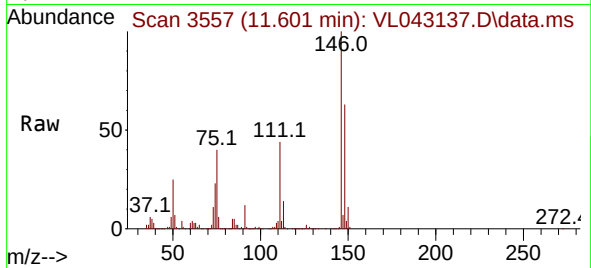
#75  
1,3-Dichlorobenzene  
Concen: 9.701 ppbv  
RT: 11.601 min Scan# 3557  
Delta R.T. -0.010 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Instrument : MSVOA\_L  
ClientSampleId : VSTDCCC010

Tgt Ion:146 Resp: 31376  
Ion Ratio Lower Upper  
146 100  
111 44.7 23.3 69.9  
148 63.7 31.6 95.0

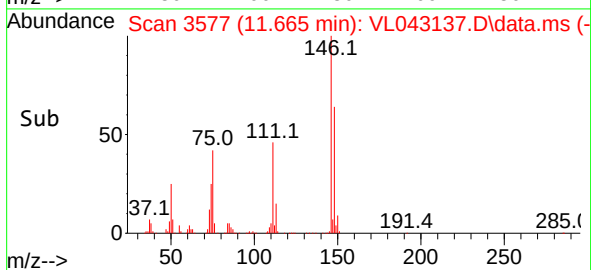
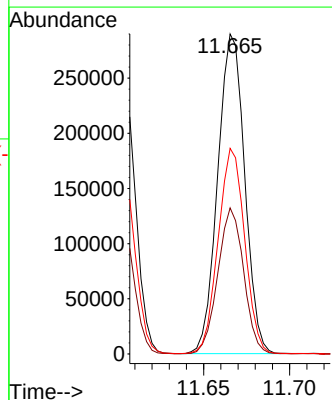
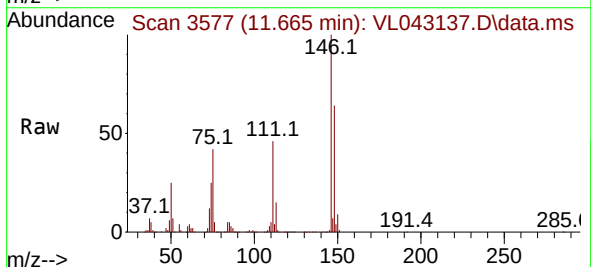
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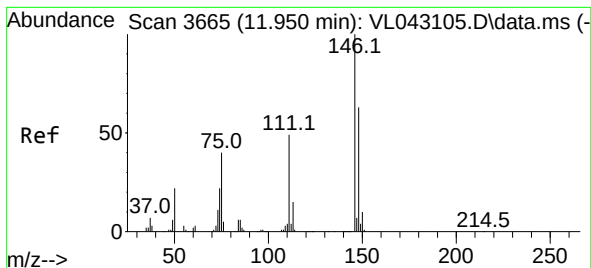
Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025



#76  
1,4-Dichlorobenzene  
Concen: 9.675 ppbv  
RT: 11.665 min Scan# 3577  
Delta R.T. -0.010 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

Tgt Ion:146 Resp: 315542  
Ion Ratio Lower Upper  
146 100  
111 44.0 22.4 67.0  
148 63.7 31.6 94.7





#77

1,2-Dichlorobenzene

Concen: 9.483 ppbv

RT: 11.940 min Scan# 3665

Delta R.T. -0.010 min

Lab File: VL043137.D

Acq: 03 Nov 2025 08:33

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 29670

Ion Ratio Lower Upper

146 100

111 47.0 24.0 72.0

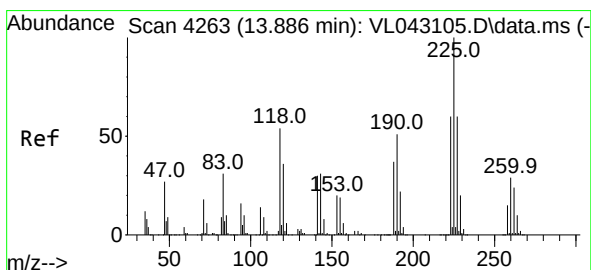
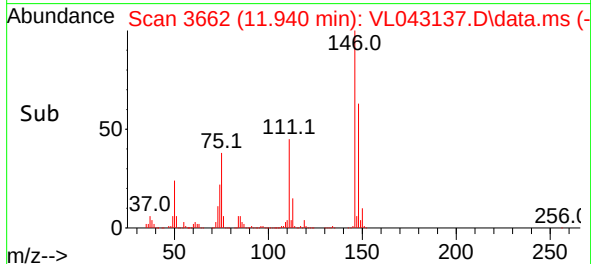
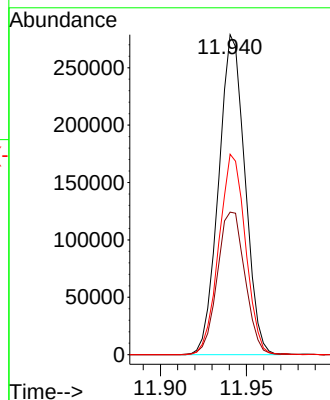
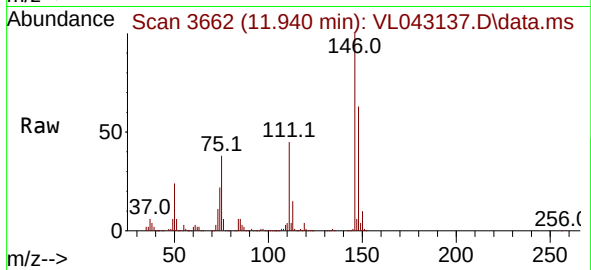
148 63.4 31.1 93.3

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Reviewed By :Semsettin Yesilyurt 11/04/2025

Supervised By :Mahesh Dadoda 11/05/2025



#78

Hexachloro-1,3-Butadiene

Concen: 9.290 ppbv

RT: 13.876 min Scan# 4260

Delta R.T. -0.010 min

Lab File: VL043137.D

Acq: 03 Nov 2025 08:33

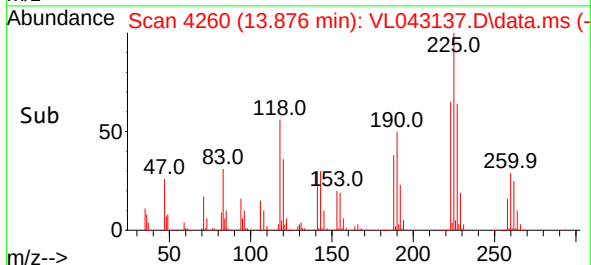
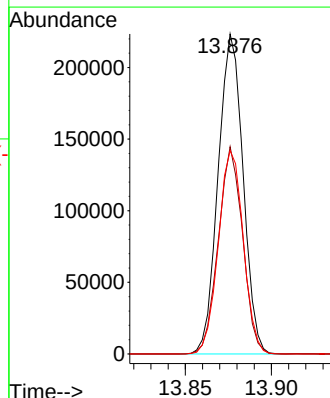
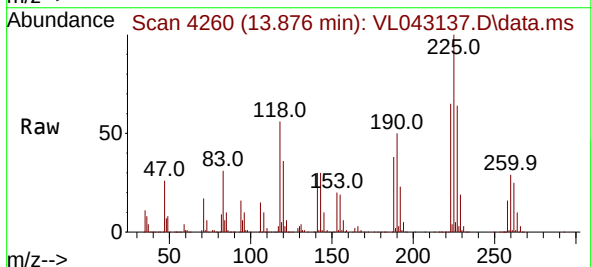
Tgt Ion:225 Resp: 225057

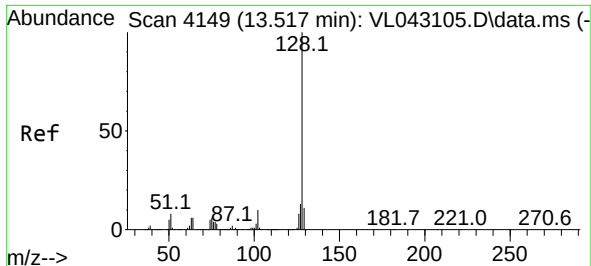
Ion Ratio Lower Upper

225 100

223 63.1 50.2 75.4

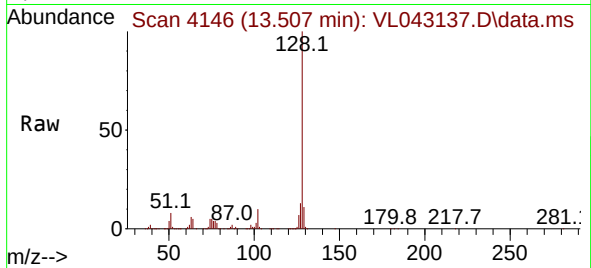
227 63.5 49.6 74.4





#79  
Naphthalene  
Concen: 9.169 ppbv  
RT: 13.507 min Scan# 4146  
Delta R.T. -0.010 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33

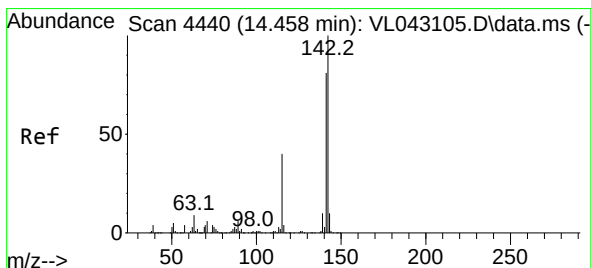
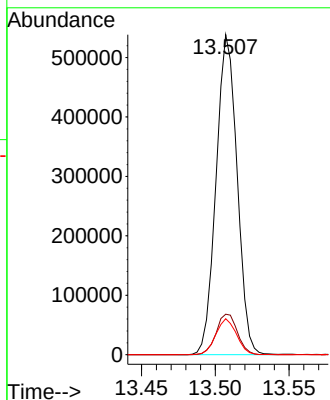
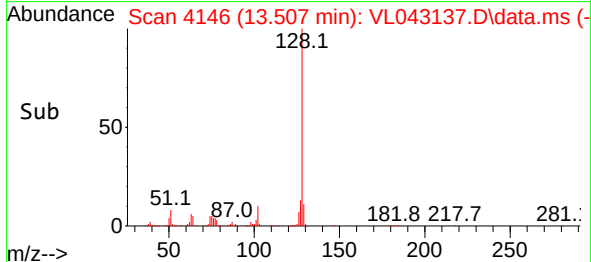
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



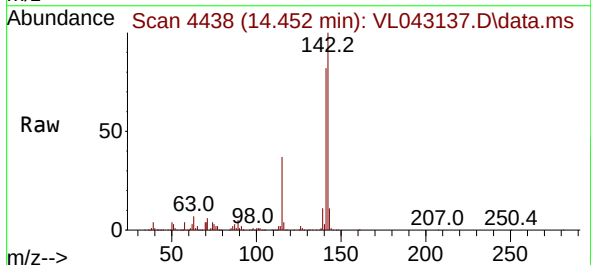
Tgt Ion:128 Resp: 534462  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.5 15.7  
129 11.2 9.1 13.7

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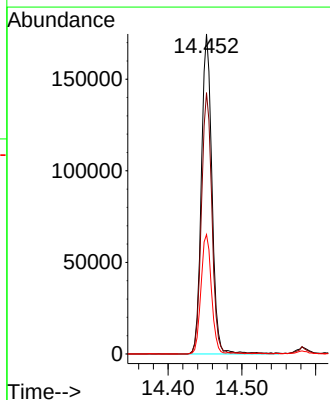
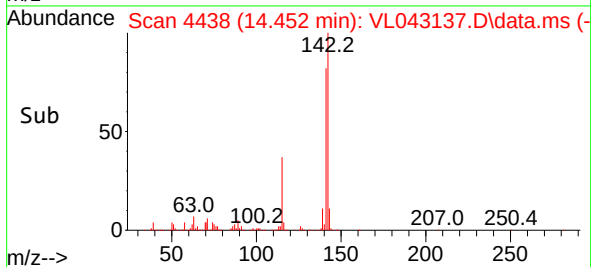
Reviewed By :Semsettin Yesilyurt 11/04/2025  
Supervised By :Mahesh Dadoda 11/05/2025

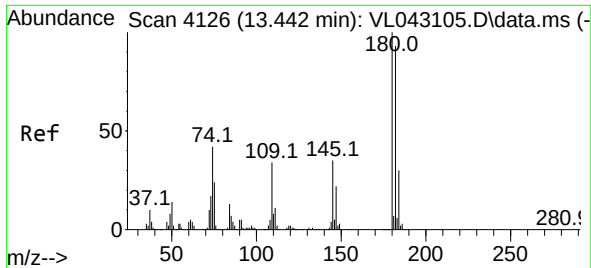


#80  
Naphthalene,2-methyl-  
Concen: 11.414 ppbv  
RT: 14.452 min Scan# 4438  
Delta R.T. -0.006 min  
Lab File: VL043137.D  
Acq: 03 Nov 2025 08:33



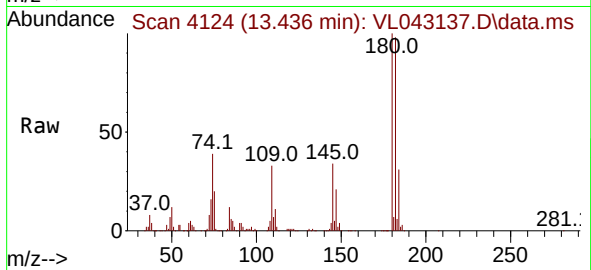
Tgt Ion:142 Resp: 173337  
Ion Ratio Lower Upper  
142 100  
141 81.8 64.6 97.0  
115 37.7 30.2 45.4





#81  
 1,2,4-Trichlorobenzene  
 Concen: 9.994 ppbv  
 RT: 13.436 min Scan# 41  
 Delta R.T. -0.006 min  
 Lab File: VL043137.D  
 Acq: 03 Nov 2025 08:33

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



Tgt Ion:180 Resp: 241795  
 Ion Ratio Lower Upper  
 180 100  
 182 96.5 75.5 113.3  
 184 30.5 23.9 35.9

Manual Integrations  
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Reviewed By :Semsettin Yesilyurt 11/04/2025  
 Supervised By :Mahesh Dadoda 11/05/2025

