

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042842.D  
 Acq On : 13 Aug 2025 08:30  
 Operator : SY/MD  
 Sample : VSTDICCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/14/2025  
 Supervised By : Mahesh Dadoda 08/18/2025

Quant Time: Aug 14 01:45:27 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 14 2025

QLast Update : Thu Aug 14 01:44:36 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.790 | 49   | 133104   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.965 | 114  | 413632   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.888 | 117  | 370372   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 279557 10.064 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.600%

Target Compounds

|                                 |       |     |        |       |        | Qvalue |
|---------------------------------|-------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane      | 1.499 | 85  | 178799 | 9.166 | ppbv   | 100    |
| 3) Chlorodifluoromethane        | 1.476 | 51  | 200866 | 9.306 | ppbv   | 100    |
| 4) Chloromethane                | 1.534 | 50  | 70952  | 9.013 | ppbv   | 100    |
| 5) Vinyl Chloride               | 1.583 | 62  | 66768  | 8.612 | ppbv   | 100    |
| 6) Bromomethane                 | 1.670 | 94  | 26964  | 8.698 | ppbv   | 100    |
| 7) Chloroethane                 | 1.706 | 64  | 26884  | 8.879 | ppbv   | 100    |
| 8) Dichlorotetrafluoroethane    | 1.557 | 85  | 149341 | 9.355 | ppbv   | 100    |
| 9) Propene                      | 1.486 | 41  | 87352  | 9.380 | ppbv   | 100    |
| 10) Heptane                     | 4.988 | 43  | 228679 | 9.186 | ppbv   | 100    |
| 11) Trichlorofluoromethane      | 1.881 | 101 | 169157 | 8.789 | ppbv   | 100    |
| 12) 1,1,2-Trichlorotrifluoro... | 2.143 | 101 | 139340 | 9.083 | ppbv   | 100    |
| 13) Ethanol                     | 1.722 | 45  | 6172   | 6.690 | ppbv   | 100    |
| 14) Bromoethene                 | 1.784 | 108 | 50730  | 9.135 | ppbv   | 100    |
| 15) Acetone                     | 1.839 | 43  | 126419 | 7.180 | ppbv   | 100    |
| 16) 1,3-Butadiene               | 1.612 | 39  | 66595  | 8.343 | ppbv   | 100    |
| 17) tert-Butyl alcohol          | 2.043 | 59  | 182511 | 8.741 | ppbv   | 100    |
| 18) 1,1-Dichloroethene          | 2.036 | 96  | 62397  | 9.252 | ppbv   | 100    |
| 19) Isopropyl Alcohol           | 1.887 | 45  | 86367  | 8.213 | ppbv   | 100    |
| 20) Methylene Chloride          | 2.065 | 84  | 55107  | 7.471 | ppbv   | 100    |
| 21) Allyl Chloride              | 2.098 | 41  | 113105 | 9.093 | ppbv   | 100    |
| 22) trans-1,2-Dichloroethene    | 2.344 | 96  | 71518  | 9.482 | ppbv   | 100    |
| 23) Vinyl Acetate               | 2.467 | 43  | 221395 | 9.558 | ppbv   | 100    |
| 24) 1,1-Dichloroethane          | 2.412 | 63  | 138444 | 8.885 | ppbv   | 100    |
| 25) Ethyl Acetate               | 2.839 | 43  | 390295 | 9.159 | ppbv   | 100    |
| 26) Hexane                      | 2.829 | 57  | 185288 | 9.420 | ppbv   | 100    |
| 27) Carbon Disulfide            | 2.153 | 76  | 174928 | 9.138 | ppbv   | 100    |
| 28) Methyl tert-Butyl Ether     | 2.444 | 73  | 87929  | 8.767 | ppbv   | 100    |
| 29) Chloroform                  | 2.852 | 83  | 257176 | 9.158 | ppbv   | 100    |
| 30) Cyclohexane                 | 3.862 | 84  | 161540 | 9.367 | ppbv   | 100    |
| 31) cis-1,2-Dichloroethene      | 2.726 | 61  | 179162 | 9.107 | ppbv   | 100    |
| 32) 1,1,1-Trichloroethane       | 3.373 | 97  | 266021 | 8.946 | ppbv   | 100    |
| 34) 2-Butanone                  | 2.560 | 43  | 252300 | 9.033 | ppbv   | 100    |
| 35) Carbon Tetrachloride        | 3.771 | 117 | 262983 | 9.222 | ppbv   | 100    |
| 36) Benzene                     | 3.664 | 78  | 377113 | 9.521 | ppbv   | 100    |
| 37) 1,2-Dichloroethane          | 3.224 | 62  | 199762 | 9.653 | ppbv   | 100    |
| 38) Trichloroethene             | 4.557 | 130 | 164881 | 9.115 | ppbv   | 100    |
| 39) 1,2-Dichloropropane         | 4.324 | 63  | 133996 | 9.263 | ppbv   | 100    |
| 40) 1,4-Dioxane                 | 4.590 | 88  | 61378  | 9.064 | ppbv # | 100    |
| 41) Tetrahydrofuran             | 3.059 | 42  | 147025 | 9.442 | ppbv   | 100    |
| 42) Bromodichloromethane        | 4.499 | 83  | 292909 | 9.499 | ppbv   | 100    |
| 43) Methyl Methacrylate         | 4.891 | 69  | 152035 | 9.357 | ppbv   | 100    |
| 44) 2,2,4-Trimethylpentane      | 4.648 | 57  | 626465 | 9.420 | ppbv   | 100    |
| 45) t-1,3-Dichloropropene       | 6.425 | 75  | 177207 | 9.616 | ppbv   | 100    |

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 Sample : VSTDICCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/14/2025  
 Supervised By : Mahesh Dadoda 08/18/2025

Quant Time: Aug 14 01:45:27 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 14 2025

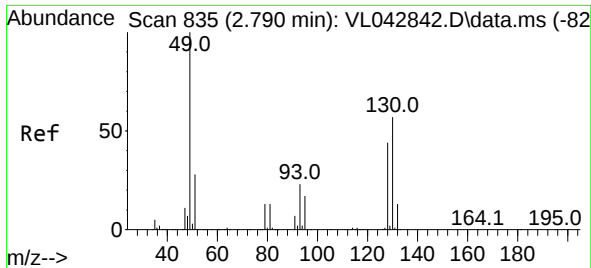
QLast Update : Thu Aug 14 01:44:36 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.609  | 75   | 222921   | 9.635  | ppbv   | 100      |
| 47) 1,1,2-Trichloroethane     | 6.590  | 97   | 141105   | 9.215  | ppbv   | 100      |
| 48) Dibromochloromethane      | 7.396  | 129  | 241553   | 9.739  | ppbv   | 100      |
| 49) Bromoform                 | 9.490  | 173  | 202975   | 9.923  | ppbv   | 100      |
| 50) 4-Methyl-2-Pentanone      | 5.761  | 43   | 364306   | 9.616  | ppbv   | 100      |
| 51) 2-Hexanone                | 7.441  | 43   | 289052   | 9.730  | ppbv # | 100      |
| 52) Tetrachloroethene         | 8.234  | 164  | 129484   | 9.026  | ppbv   | 100      |
| 53) Toluene                   | 6.943  | 91   | 443400   | 9.407  | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 7.661  | 107  | 209330   | 9.345  | ppbv   | 100      |
| 56) 1,1,1,2-Tetrachloroethane | 8.933  | 131  | 176135   | 9.196  | ppbv   | 100      |
| 57) Chlorobenzene             | 8.930  | 112  | 325303   | 9.237  | ppbv   | 100      |
| 58) Ethyl Benzene             | 9.364  | 91   | 605785   | 9.268  | ppbv   | 100      |
| 59) m/p-Xylene                | 9.542  | 91   | 950548m  | 18.524 | ppbv   |          |
| 60) o-Xylene                  | 9.972  | 91   | 469073   | 9.102  | ppbv   | 100      |
| 61) Styrene                   | 9.879  | 104  | 226056   | 9.362  | ppbv   | 100      |
| 62) Isopropylbenzene          | 10.549 | 105  | 685983   | 9.108  | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.972  | 83   | 249621   | 8.870  | ppbv   | 100      |
| 64) n-propylbenzene           | 10.995 | 120  | 175986   | 9.158  | ppbv   | 100      |
| 65) tert-Butylbenzene         | 11.539 | 119  | 594314   | 8.951  | ppbv   | 100      |
| 66) Benzyl Chloride           | 11.620 | 91   | 84156    | 9.985  | ppbv   | 100      |
| 67) sec-Butylbenzene          | 11.772 | 105  | 833378   | 8.943  | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 11.931 | 119  | 705700   | 8.820  | ppbv   | 100      |
| 70) n-Butylbenzene            | 12.287 | 91   | 713713   | 8.995  | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 10.908 | 91   | 525235   | 8.981  | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 11.131 | 105  | 578931   | 9.267  | ppbv   | 100      |
| 73) 1,3,5-Trimethylbenzene    | 11.209 | 105  | 478784   | 9.012  | ppbv   | 100      |
| 74) 1,2,4-Trimethylbenzene    | 11.542 | 105  | 516253   | 8.853  | ppbv   | 100      |
| 75) 1,3-Dichlorobenzene       | 11.613 | 146  | 307640   | 9.280  | ppbv   | 100      |
| 76) 1,4-Dichlorobenzene       | 11.678 | 146  | 308542   | 9.203  | ppbv   | 100      |
| 77) 1,2-Dichlorobenzene       | 11.953 | 146  | 289119   | 8.907  | ppbv   | 100      |
| 78) Hexachloro-1,3-Butadiene  | 13.885 | 225  | 211996   | 7.968  | ppbv   | 100      |
| 79) Naphthalene               | 13.516 | 128  | 487174   | 9.335  | ppbv   | 100      |
| 80) Naphthalene,2-methyl-     | 14.462 | 142  | 176880   | 9.000  | ppbv   | 100      |
| 81) 1,2,4-Trichlorobenzene    | 13.445 | 180  | 244998   | 9.220  | ppbv   | 100      |

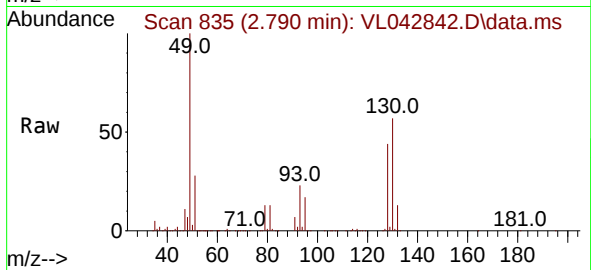
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.790 min Scan# 835  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

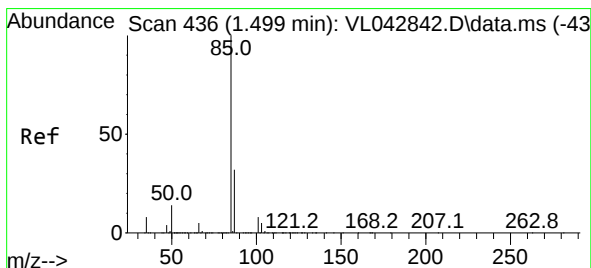
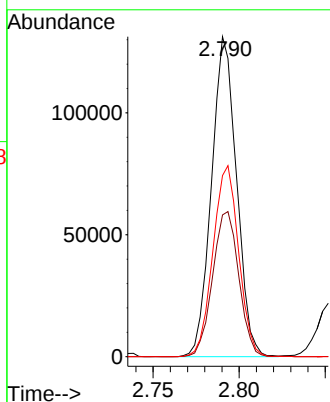
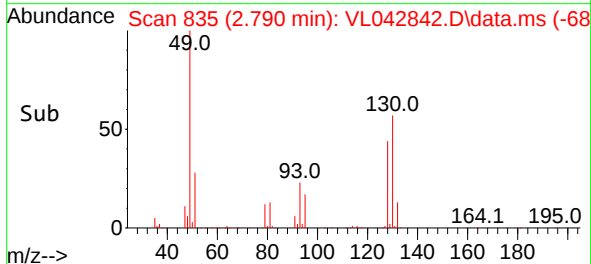
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 49 Resp: 133104  
Ion Ratio Lower Upper  
49 100  
128 47.4 23.7 71.1  
130 61.1 30.6 91.6

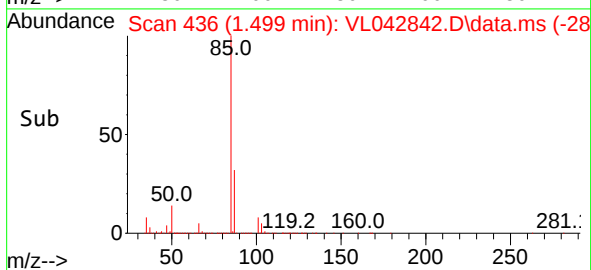
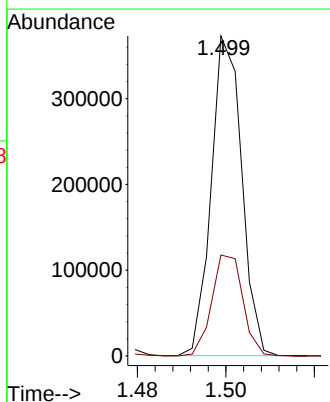
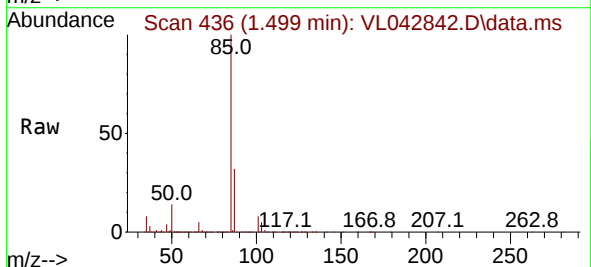
Manual Integrations  
APPROVED

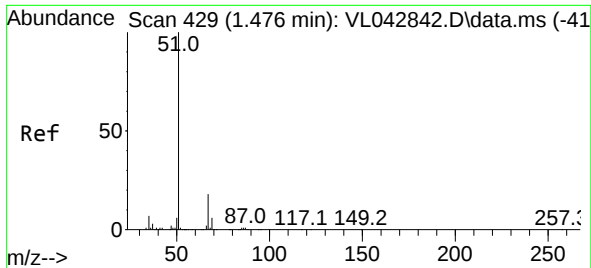
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025



#2  
Dichlorodifluoromethane  
Concen: 9.166 ppbv  
RT: 1.499 min Scan# 436  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

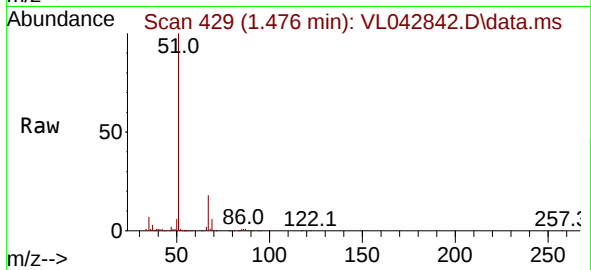
Tgt Ion: 85 Resp: 178799  
Ion Ratio Lower Upper  
85 100  
87 31.6 25.3 37.9





#3  
Chlorodifluoromethane  
Concen: 9.306 ppbv  
RT: 1.476 min Scan# 429  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

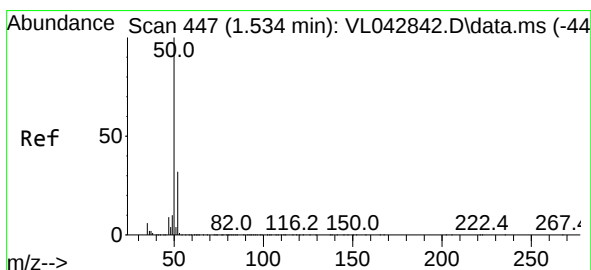
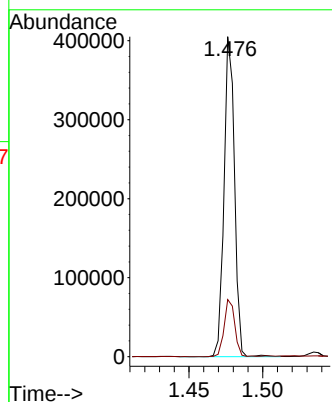
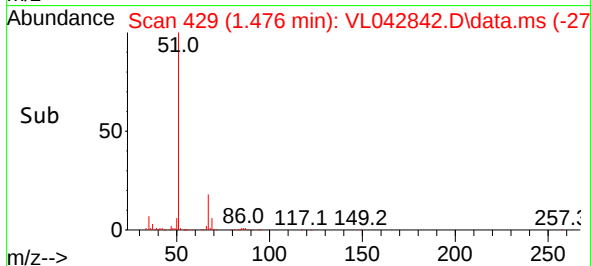
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



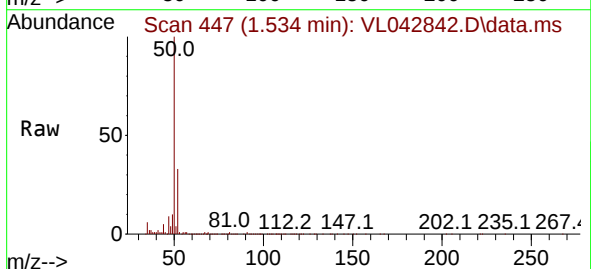
Tgt Ion: 51 Resp: 200860  
Ion Ratio Lower Upper  
51 100  
67 18.6 14.9 22.3

Manual Integrations  
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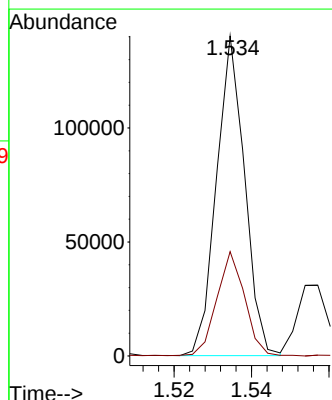
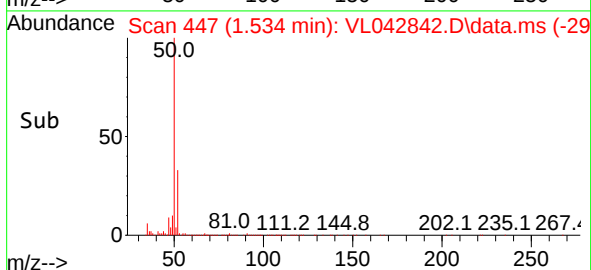
Reviewed By :Semsettin Yesilyurt 08/14/2025  
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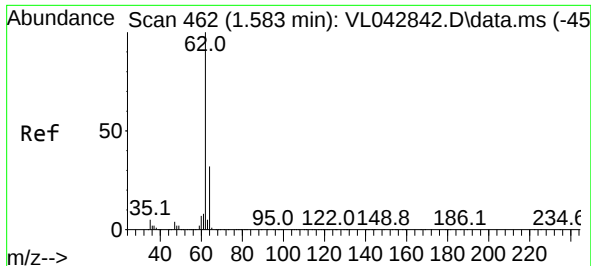


#4  
Chloromethane  
Concen: 9.013 ppbv  
RT: 1.534 min Scan# 447  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30



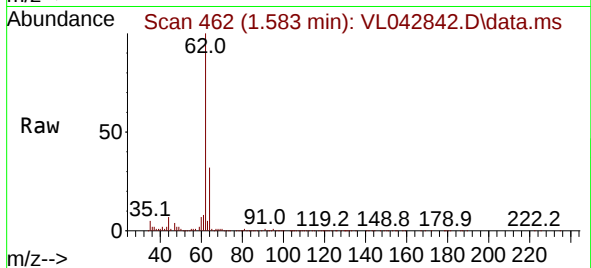
Tgt Ion: 50 Resp: 70952  
Ion Ratio Lower Upper  
50 100  
52 32.4 25.9 38.9





#5  
 Vinyl Chloride  
 Concen: 8.612 ppbv  
 RT: 1.583 min Scan# 462  
 Delta R.T. 0.000 min  
 Lab File: VL042842.D  
 Acq: 13 Aug 2025 08:30

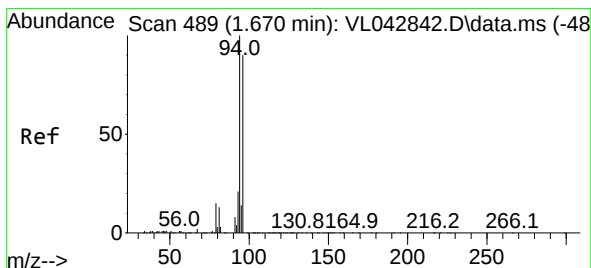
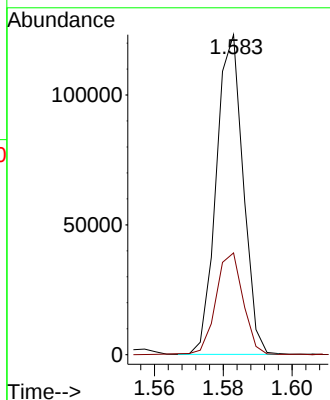
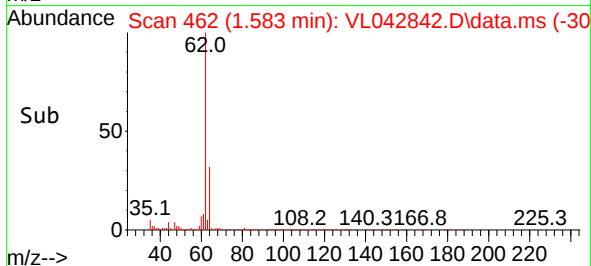
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDICCC010



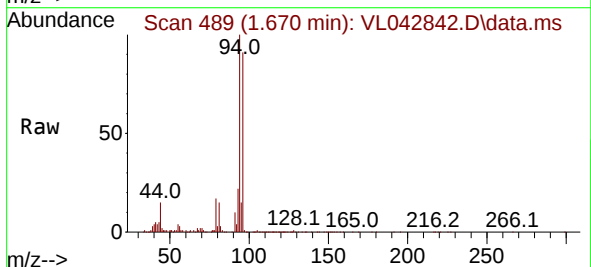
Tgt Ion: 62 Resp: 66768  
 Ion Ratio Lower Upper  
 62 100  
 64 31.8 25.4 38.2

Manual Integrations  
 APPROVED

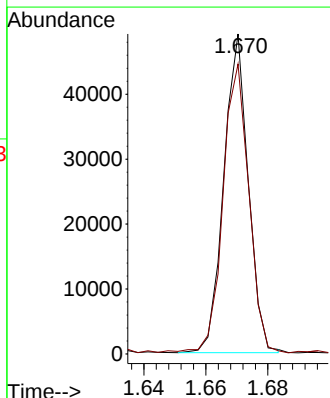
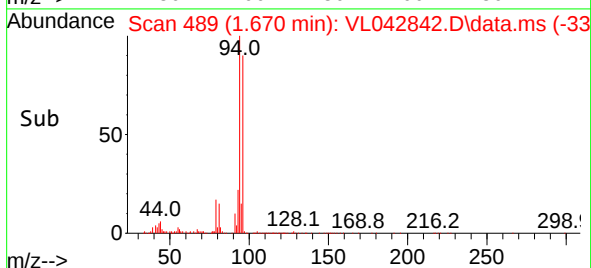
Reviewed By :Semsettin Yesilyurt 08/14/2025  
 Supervised By :Mahesh Dadoda 08/18/2025

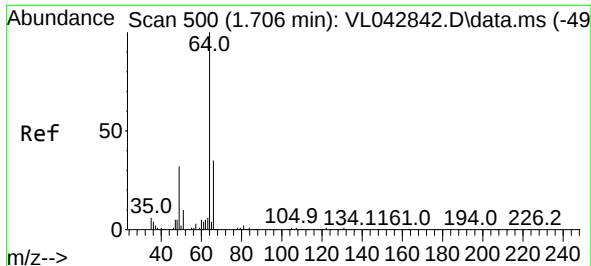


#6  
 Bromomethane  
 Concen: 8.698 ppbv  
 RT: 1.670 min Scan# 489  
 Delta R.T. 0.000 min  
 Lab File: VL042842.D  
 Acq: 13 Aug 2025 08:30



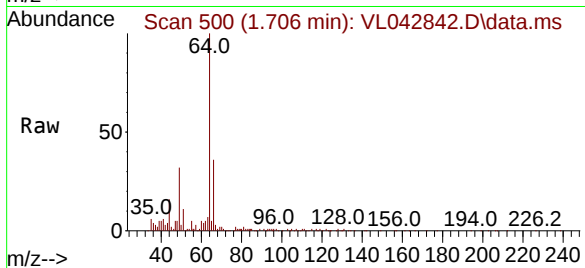
Tgt Ion: 94 Resp: 26964  
 Ion Ratio Lower Upper  
 94 100  
 96 90.1 72.1 108.1





#7  
Chloroethane  
Concen: 8.879 ppbv  
RT: 1.706 min Scan# 500  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

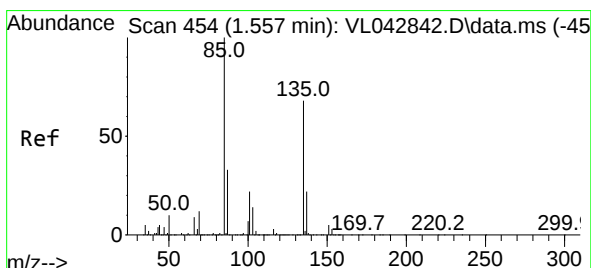
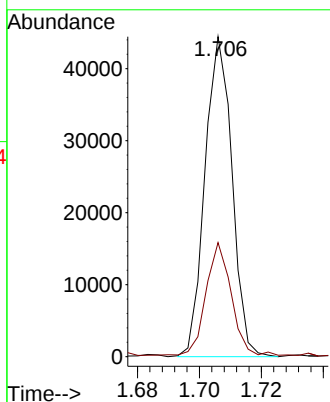
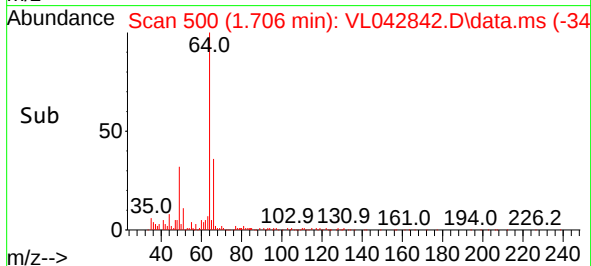
Instrument :  
MSVOA\_L  
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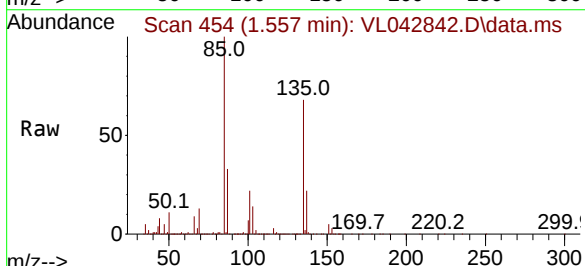
Tgt Ion: 64 Resp: 26884  
Ion Ratio Lower Upper  
64 100  
66 35.7 28.6 42.8

Manual Integrations  
APPROVED

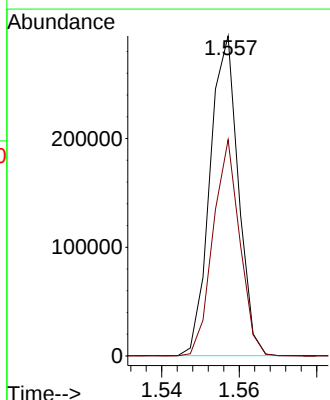
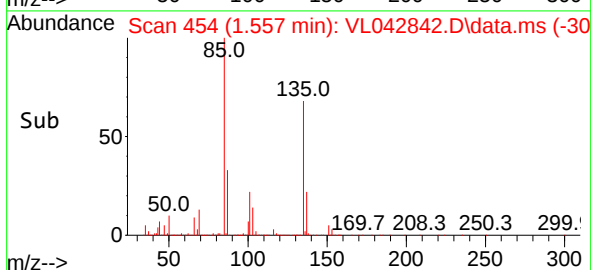
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025

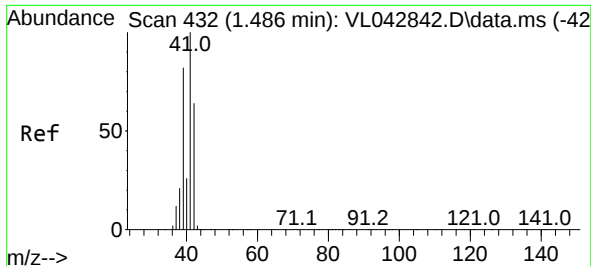


#8  
Dichlorotetrafluoroethane  
Concen: 9.355 ppbv  
RT: 1.557 min Scan# 454  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30



Tgt Ion: 85 Resp: 149341  
Ion Ratio Lower Upper  
85 100  
135 64.0 51.2 76.8





#9

Propene

Concen: 9.380 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 41 Resp: 87352

Ion Ratio Lower Upper

41 100

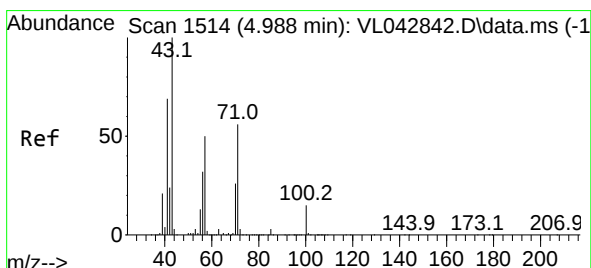
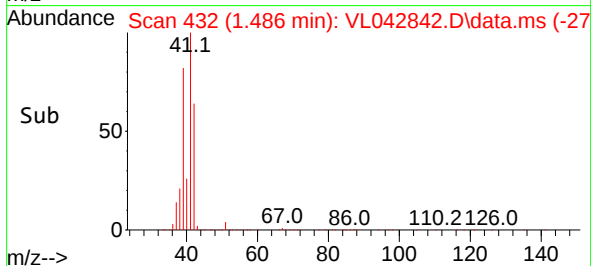
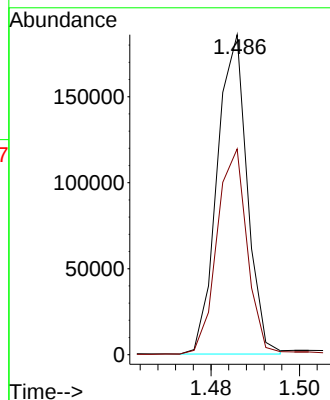
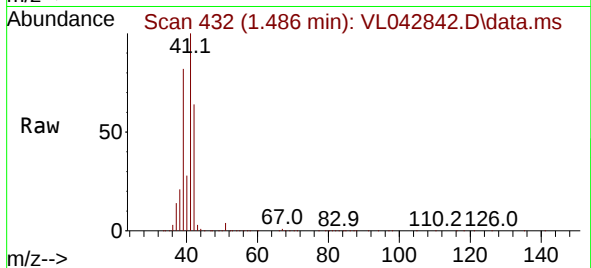
42 66.2 53.0 79.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#10

Heptane

Concen: 9.186 ppbv

RT: 4.988 min Scan# 1514

Delta R.T. 0.000 min

Lab File: VL042842.D

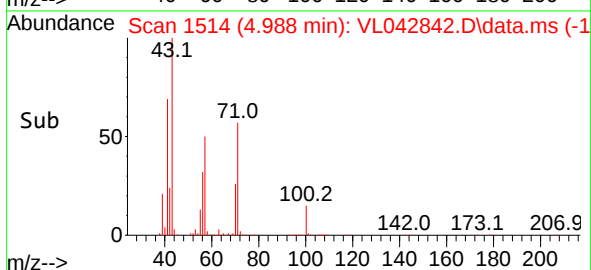
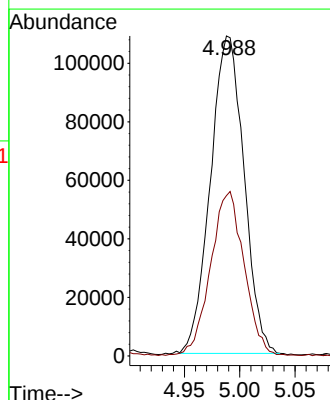
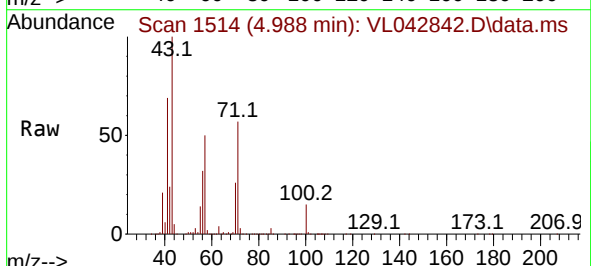
Acq: 13 Aug 2025 08:30

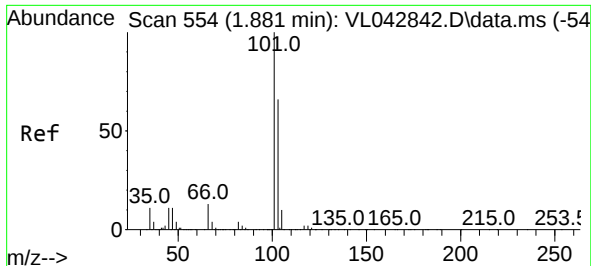
Tgt Ion: 43 Resp: 228679

Ion Ratio Lower Upper

43 100

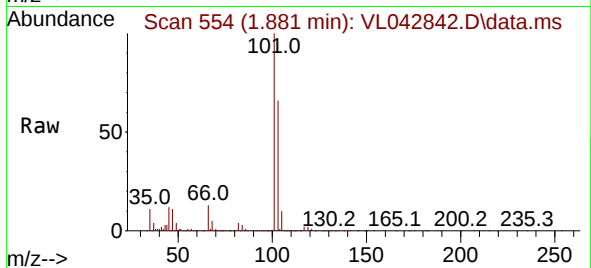
57 51.7 41.4 62.0





#11  
 Trichlorofluoromethane  
 Concen: 8.789 ppbv  
 RT: 1.881 min Scan# 511  
 Delta R.T. 0.000 min  
 Lab File: VL042842.D  
 Acq: 13 Aug 2025 08:30

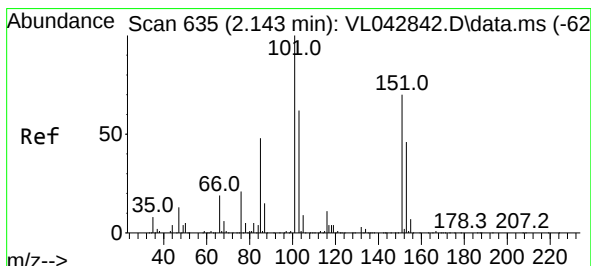
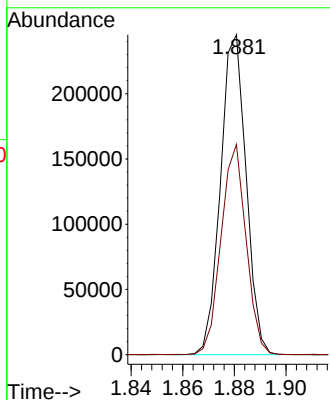
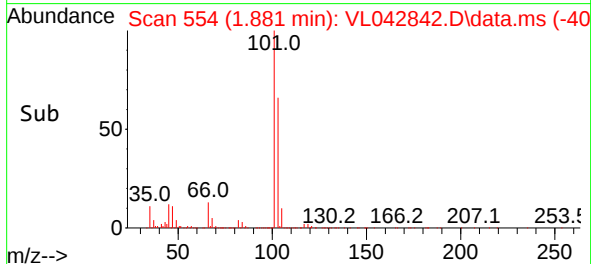
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010



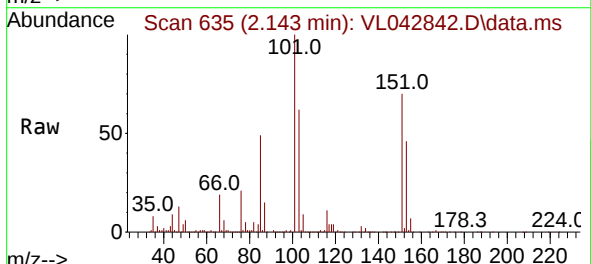
Tgt Ion:101 Resp: 16915  
 Ion Ratio Lower Upper  
 101 100  
 103 65.6 52.5 78.7

Manual Integrations  
 APPROVED

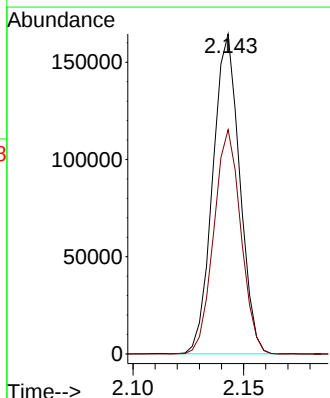
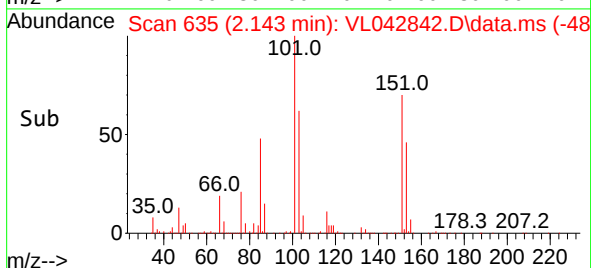
Reviewed By :Semsettin Yesilyurt 08/14/2025  
 Supervised By :Mahesh Dadoda 08/18/2025

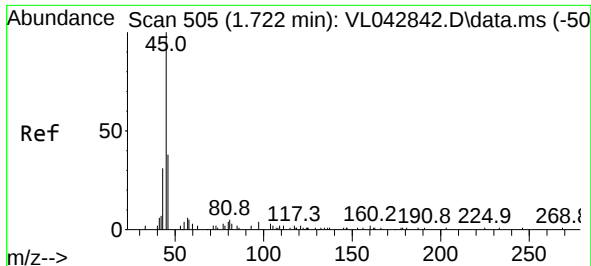


#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 9.083 ppbv  
 RT: 2.143 min Scan# 635  
 Delta R.T. 0.000 min  
 Lab File: VL042842.D  
 Acq: 13 Aug 2025 08:30



Tgt Ion:101 Resp: 139340  
 Ion Ratio Lower Upper  
 101 100  
 151 70.5 56.4 84.6





#13

Ethanol

Concen: 6.690 ppbv

RT: 1.722 min Scan# 505

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA\_L

ClientSampleId :

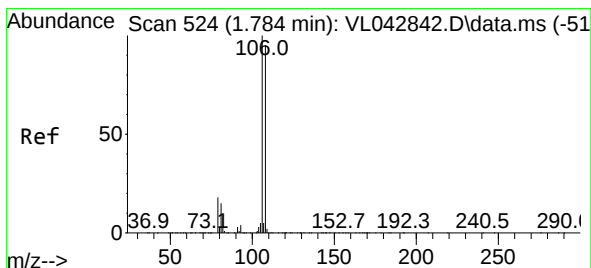
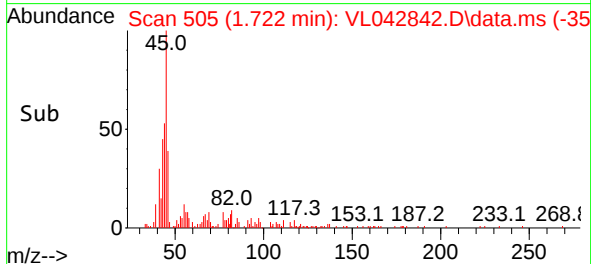
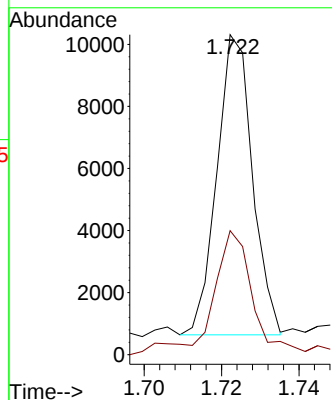
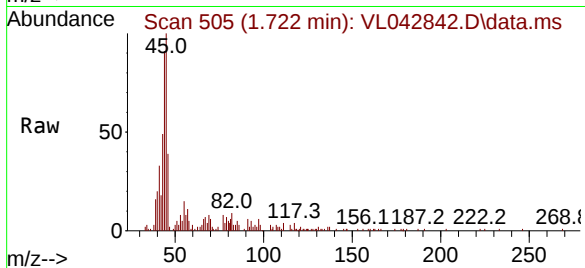
VSTDICCC010

Tgt Ion: 45 Resp: 6172  
 Ion Ratio Lower Upper  
 45 100  
 46 43.7 17.5 69.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025  
 Supervised By :Mahesh Dadoda 08/18/2025



#14

Bromoethene

Concen: 9.135 ppbv

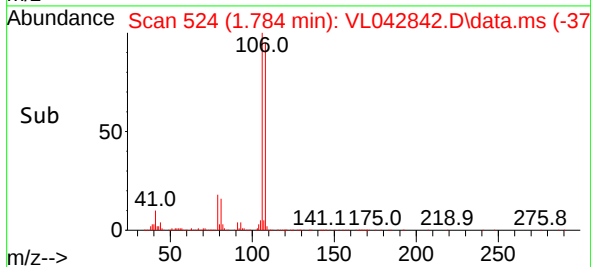
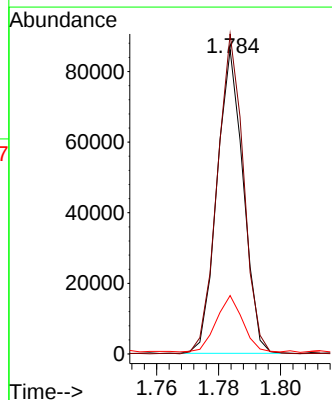
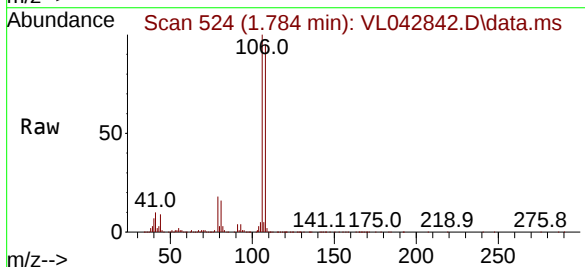
RT: 1.784 min Scan# 524

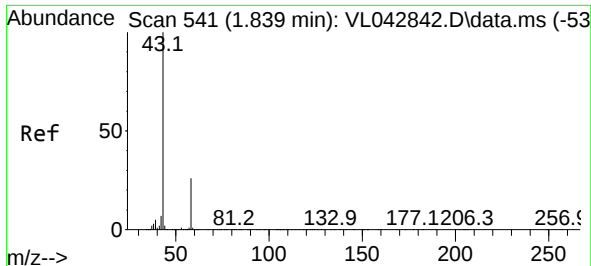
Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

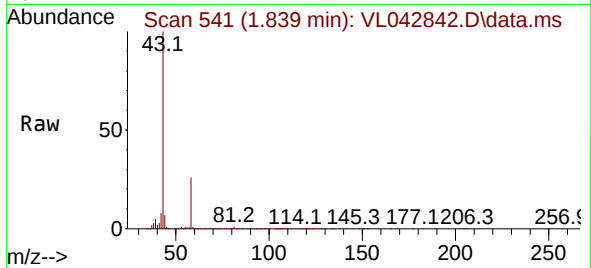
Tgt Ion:108 Resp: 50730  
 Ion Ratio Lower Upper  
 108 100  
 106 106.4 85.1 127.7  
 79 20.4 16.3 24.5





#15  
Acetone  
Concen: 7.180 ppbv  
RT: 1.839 min Scan# 541  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

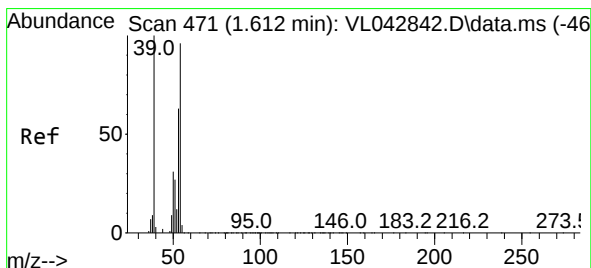
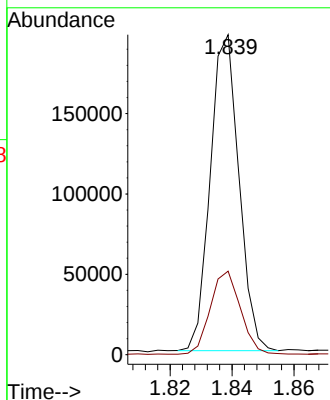
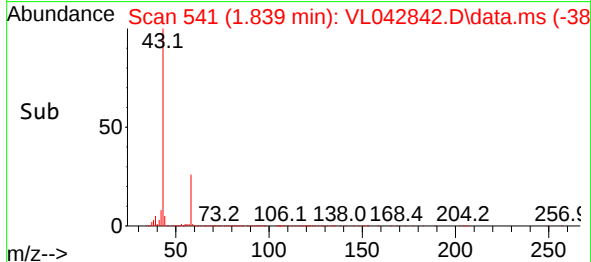
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



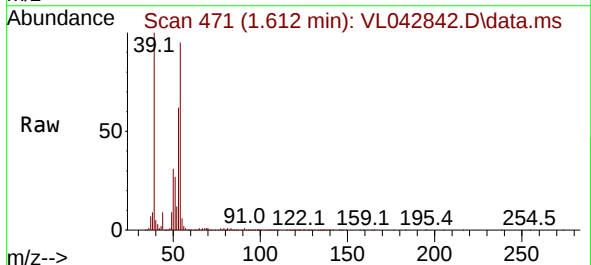
Tgt Ion: 43 Resp: 126419  
Ion Ratio Lower Upper  
43 100  
58 28.0 22.4 33.6

Manual Integrations  
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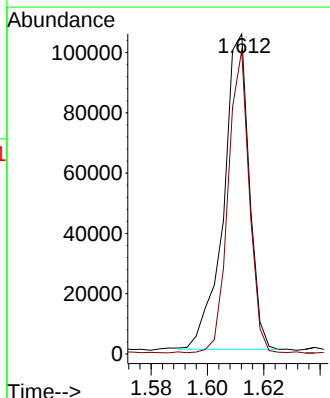
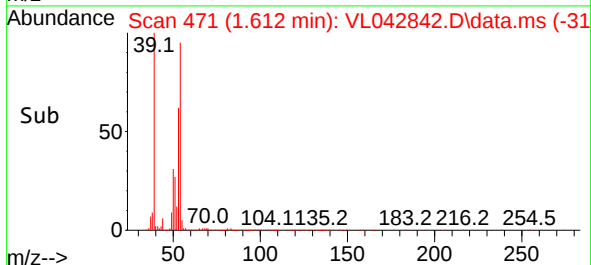
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025

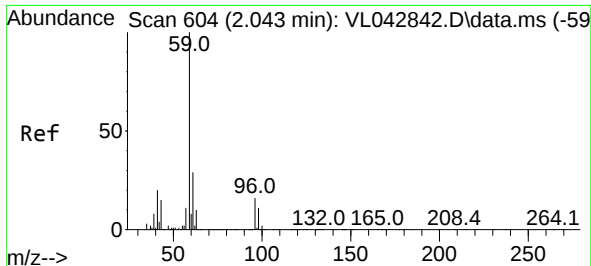


#16  
1,3-Butadiene  
Concen: 8.343 ppbv  
RT: 1.612 min Scan# 471  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30



Tgt Ion: 39 Resp: 66595  
Ion Ratio Lower Upper  
39 100  
54 79.5 63.6 95.4





#17

tert-Butyl alcohol

Concen: 8.741 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 59 Resp: 18251

Ion Ratio Lower Upper

59 100

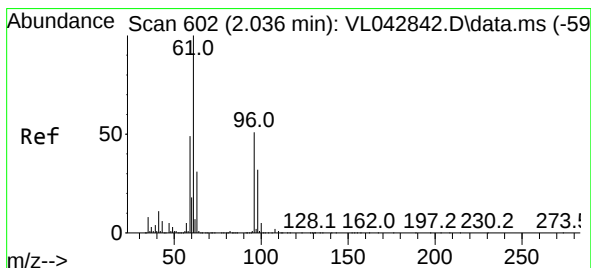
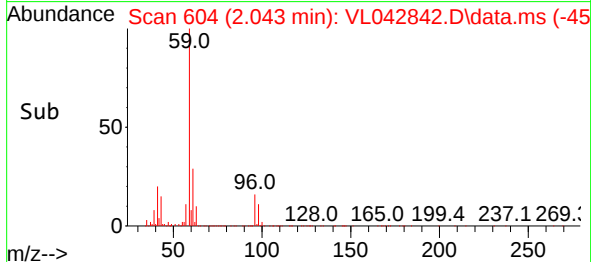
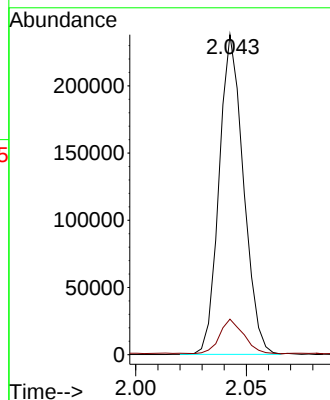
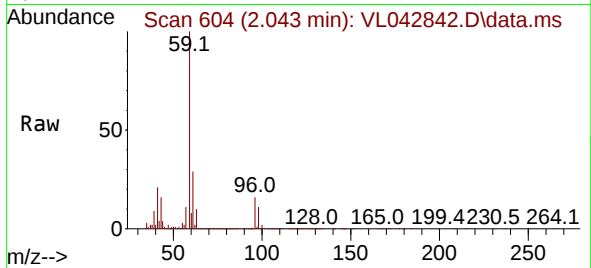
57 11.2 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#18

1,1-Dichloroethene

Concen: 9.252 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

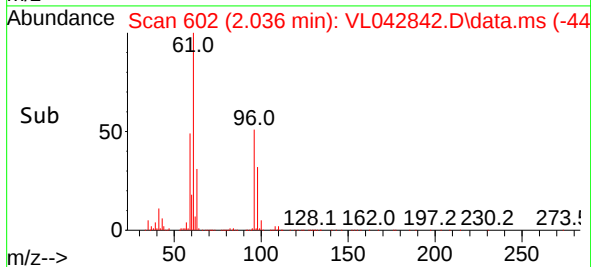
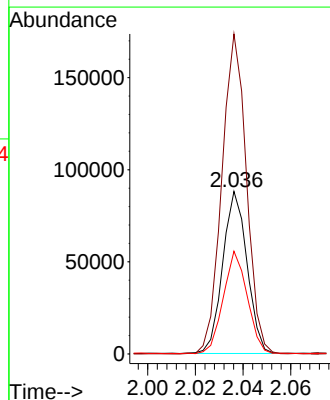
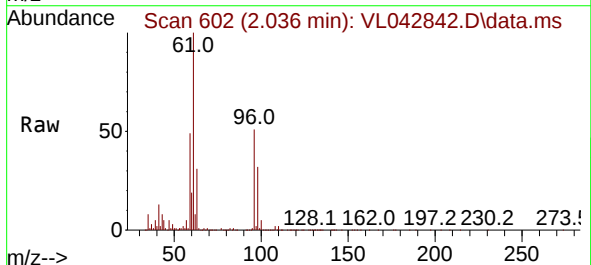
Tgt Ion: 96 Resp: 62397

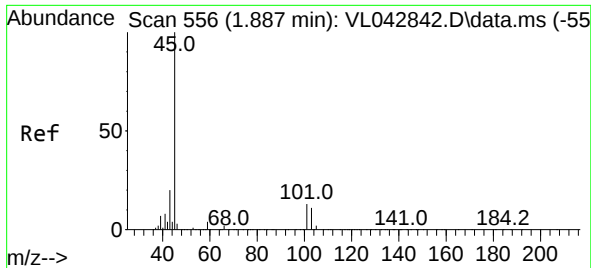
Ion Ratio Lower Upper

96 100

61 197.8 158.2 237.4

98 63.3 50.6 76.0





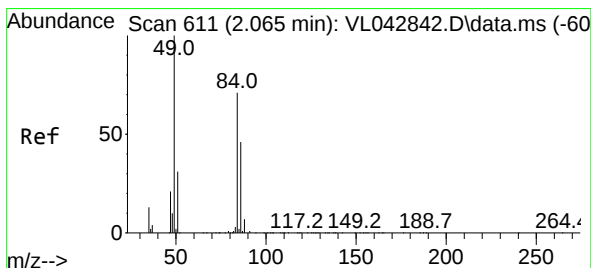
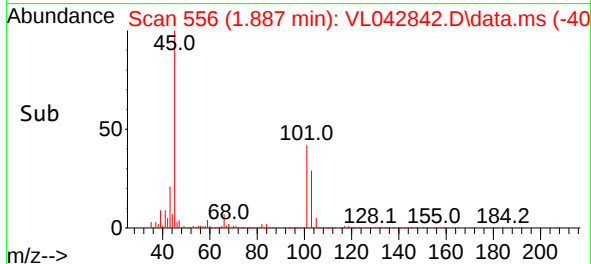
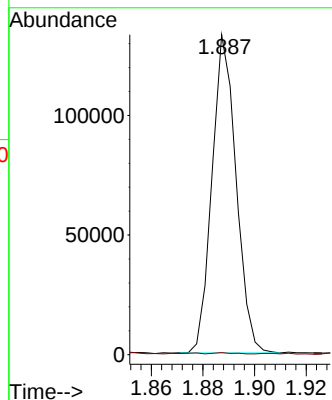
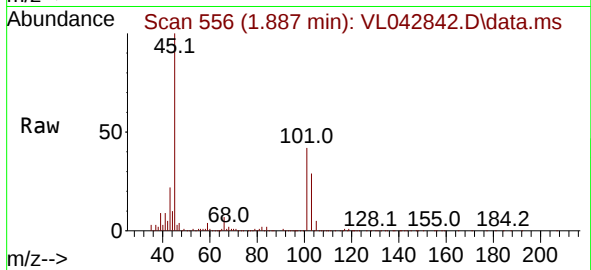
#19  
Isopropyl Alcohol  
Concen: 8.213 ppbv  
RT: 1.887 min Scan# 556  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010

Tgt Ion: 45 Resp: 8636  
Ion Ratio Lower Upper  
45 100  
58 40.9 32.7 49.1

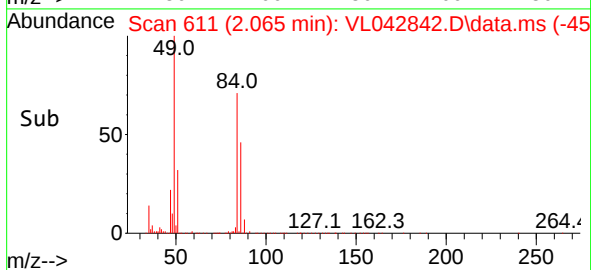
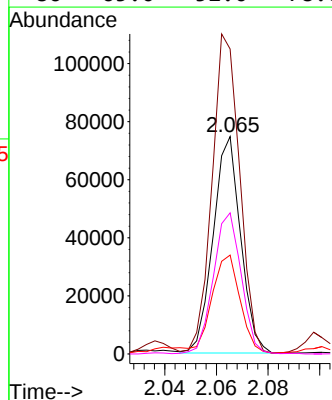
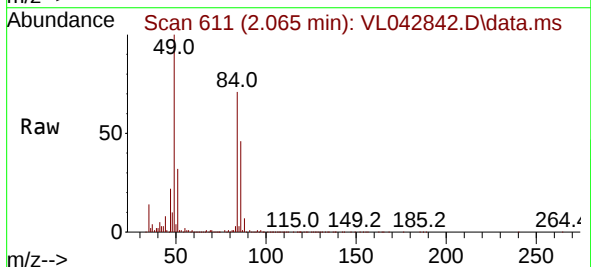
Manual Integrations  
APPROVED

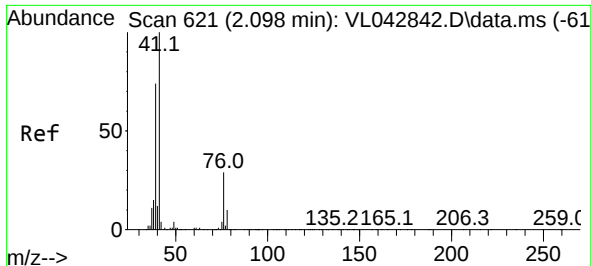
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025



#20  
Methylene Chloride  
Concen: 7.471 ppbv  
RT: 2.065 min Scan# 611  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

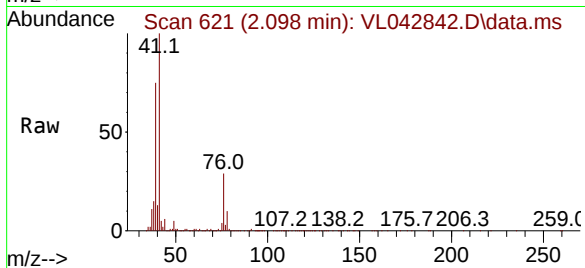
Tgt Ion: 84 Resp: 55107  
Ion Ratio Lower Upper  
84 100  
49 140.4 112.3 168.5  
51 45.0 36.0 54.0  
86 65.0 52.0 78.0





#21  
 Allyl Chloride  
 Concen: 9.093 ppbv  
 RT: 2.098 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: VL042842.D  
 Acq: 13 Aug 2025 08:30

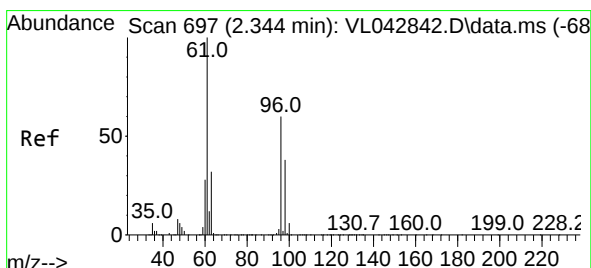
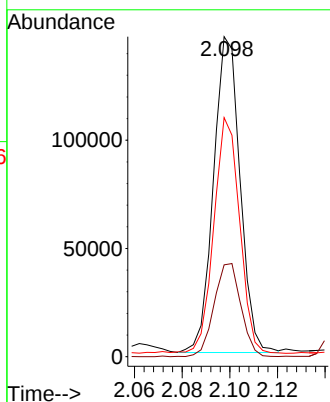
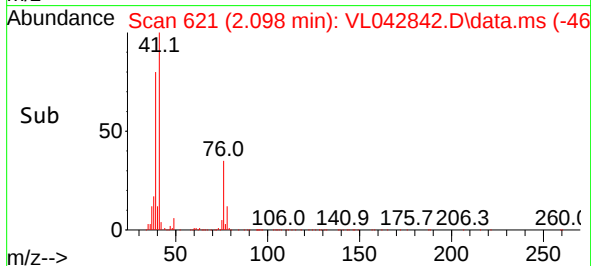
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010



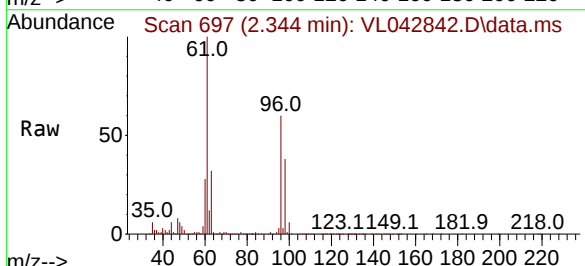
Tgt Ion: 41 Resp: 11310  
 Ion Ratio Lower Upper  
 41 100  
 76 29.9 23.9 35.9  
 39 72.2 57.8 86.6

Manual Integrations  
 APPROVED

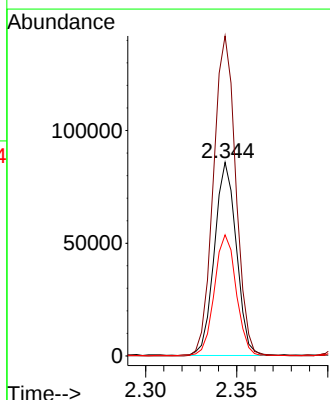
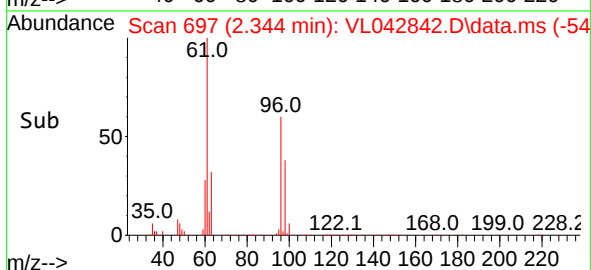
Reviewed By :Semsettin Yesilyurt 08/14/2025  
 Supervised By :Mahesh Dadoda 08/18/2025

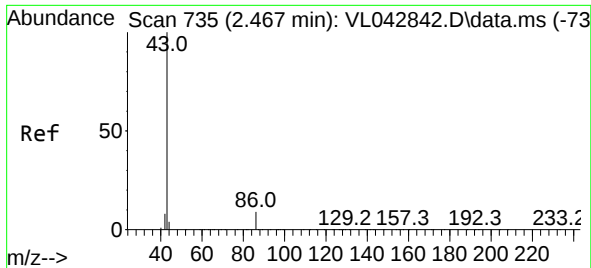


#22  
 trans-1,2-Dichloroethene  
 Concen: 9.482 ppbv  
 RT: 2.344 min Scan# 697  
 Delta R.T. 0.000 min  
 Lab File: VL042842.D  
 Acq: 13 Aug 2025 08:30



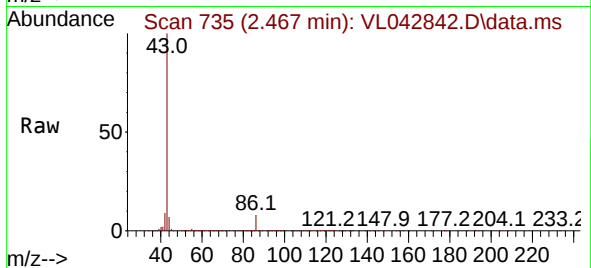
Tgt Ion: 96 Resp: 71518  
 Ion Ratio Lower Upper  
 96 100  
 61 165.8 132.6 199.0  
 98 62.5 50.0 75.0





#23  
 Vinyl Acetate  
 Concen: 9.558 ppbv  
 RT: 2.467 min Scan# 718  
 Delta R.T. 0.000 min  
 Lab File: VL042842.D  
 Acq: 13 Aug 2025 08:30

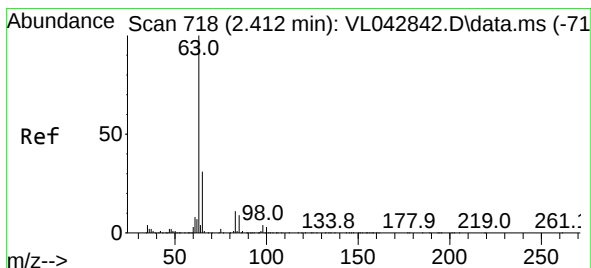
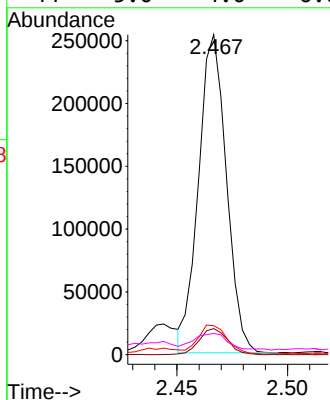
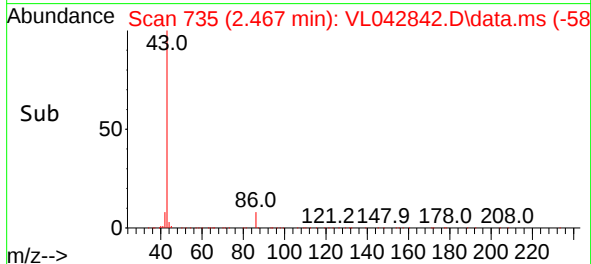
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010



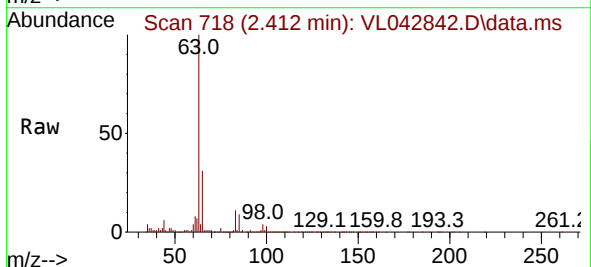
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 22139 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 86 8.2      | 6.6 9.8     |
| 42 8.8      | 7.0 10.6    |
| 44 5.0      | 4.0 6.0     |

Manual Integrations  
 APPROVED

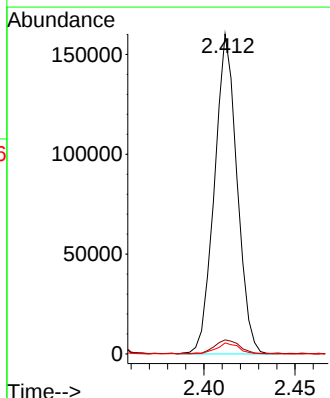
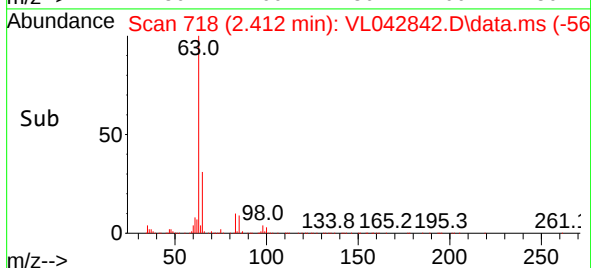
Reviewed By :Semsettin Yesilyurt 08/14/2025  
 Supervised By :Mahesh Dadoda 08/18/2025

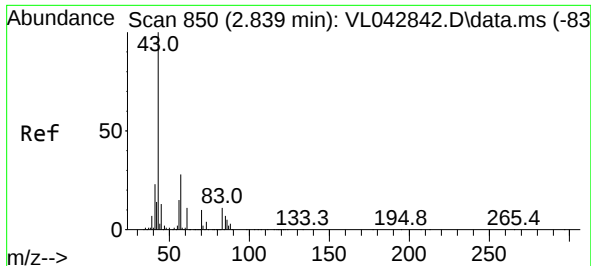


#24  
 1,1-Dichloroethane  
 Concen: 8.885 ppbv  
 RT: 2.412 min Scan# 718  
 Delta R.T. 0.000 min  
 Lab File: VL042842.D  
 Acq: 13 Aug 2025 08:30



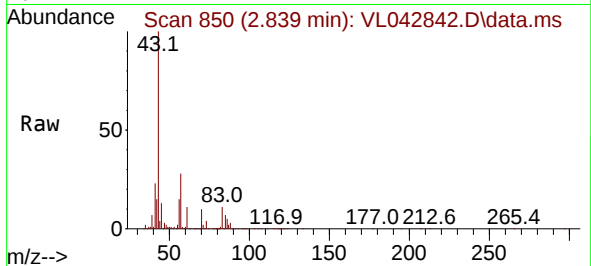
|             |              |
|-------------|--------------|
| Tgt Ion: 63 | Resp: 138444 |
| Ion Ratio   | Lower Upper  |
| 63 100      |              |
| 98 4.3      | 2.1 6.5      |
| 100 3.4     | 1.7 5.1      |





#25  
Ethyl Acetate  
Concen: 9.159 ppbv  
RT: 2.839 min Scan# 850  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

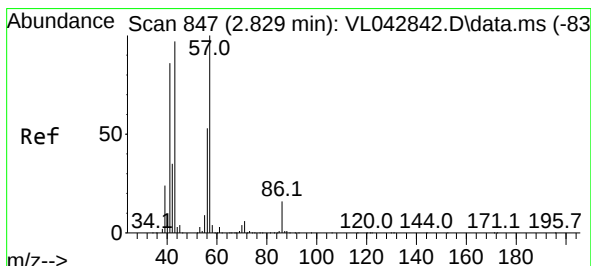
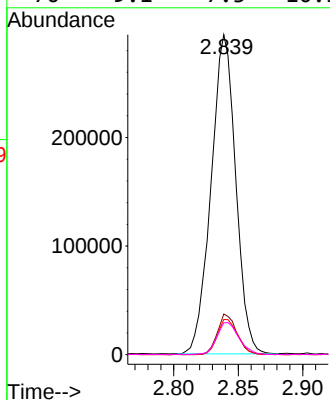
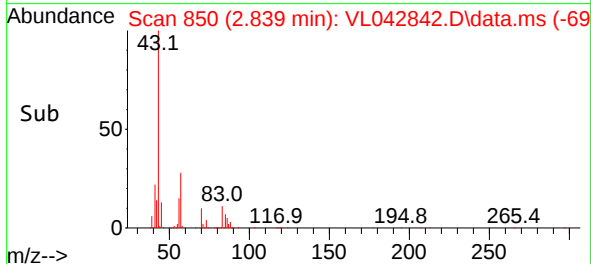
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 45      | 10.1  | 8.1   | 12.1  |
| 61      | 9.3   | 7.4   | 11.2  |
| 70      | 9.1   | 7.3   | 10.9  |

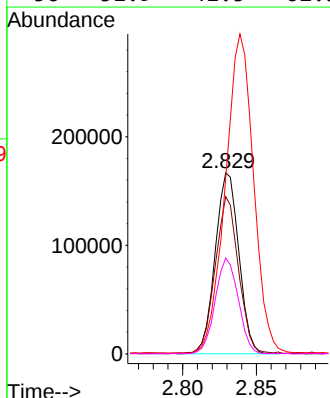
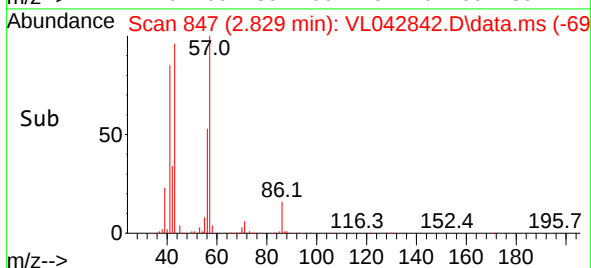
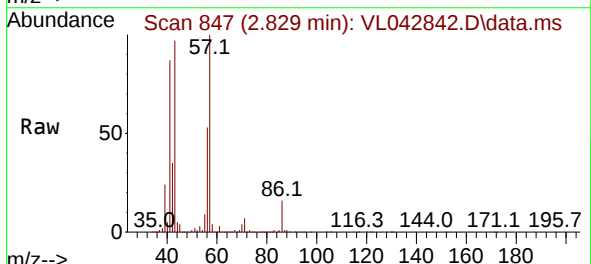
Manual Integrations  
APPROVED

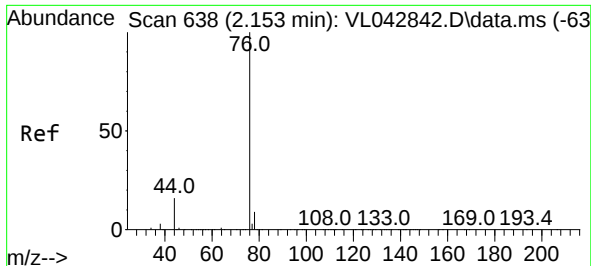
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025



#26  
Hexane  
Concen: 9.420 ppbv  
RT: 2.829 min Scan# 847  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

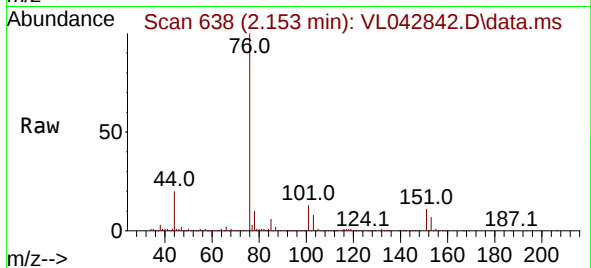
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 57      | 100   |       |       |
| 41      | 85.8  | 68.6  | 103.0 |
| 43      | 210.6 | 168.5 | 252.7 |
| 56      | 51.9  | 41.5  | 62.3  |





#27  
Carbon Disulfide  
Concen: 9.138 ppbv  
RT: 2.153 min Scan# 638  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

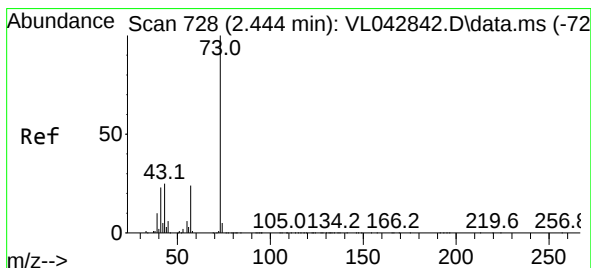
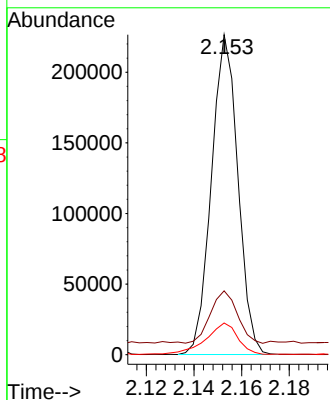
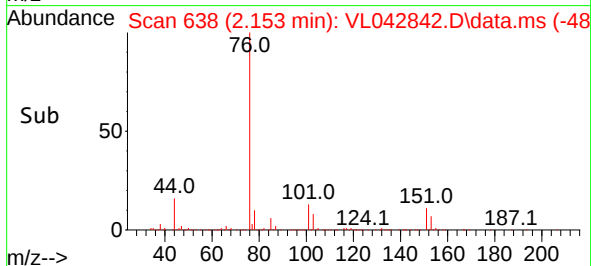
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



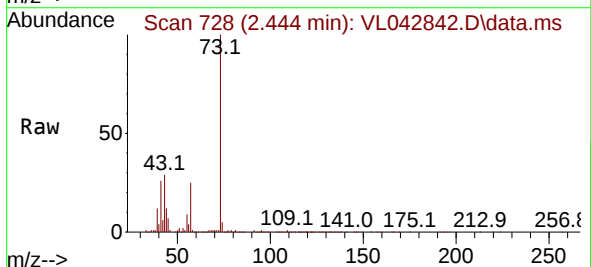
Tgt Ion: 76 Resp: 174928  
Ion Ratio Lower Upper  
76 100  
44 19.9 15.9 23.9  
78 11.9 9.5 14.3

Manual Integrations  
APPROVED

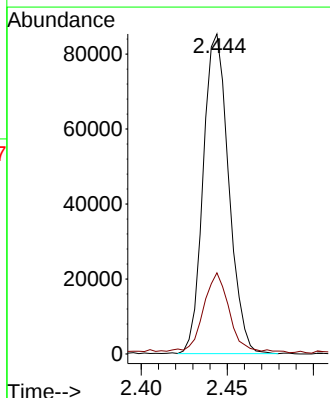
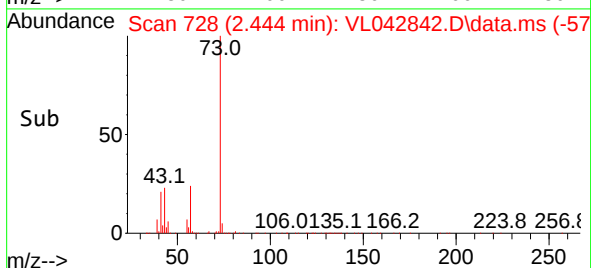
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025

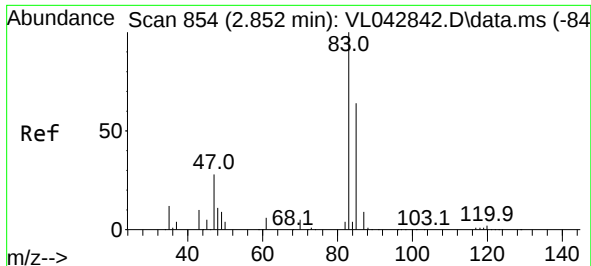


#28  
Methyl tert-Butyl Ether  
Concen: 8.767 ppbv  
RT: 2.444 min Scan# 728  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30



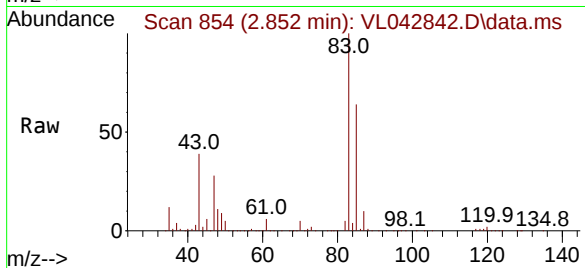
Tgt Ion: 73 Resp: 87929  
Ion Ratio Lower Upper  
73 100  
57 27.0 21.6 32.4





#29  
Chloroform  
Concen: 9.158 ppbv  
RT: 2.852 min Scan# 854  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

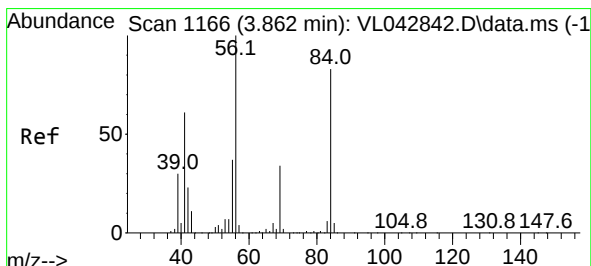
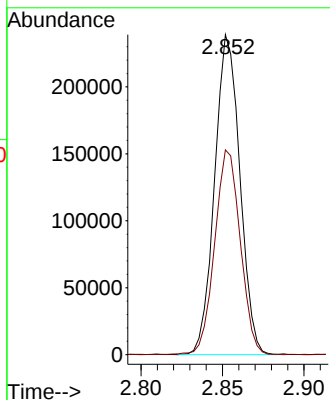
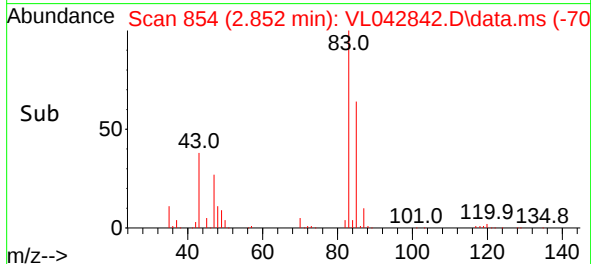
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 83 Resp: 257170  
Ion Ratio Lower Upper  
83 100  
85 63.9 51.1 76.7

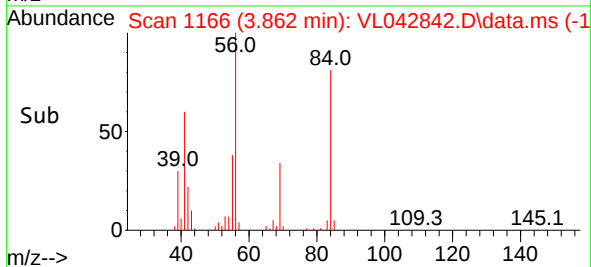
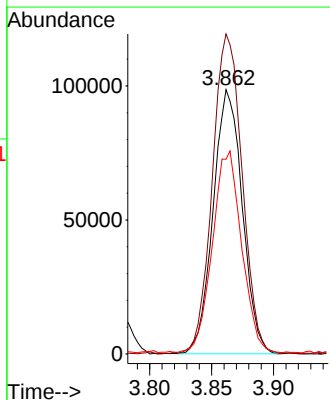
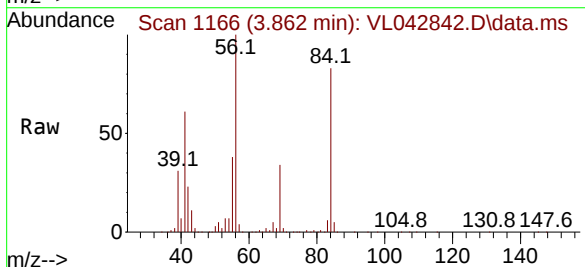
Manual Integrations  
APPROVED

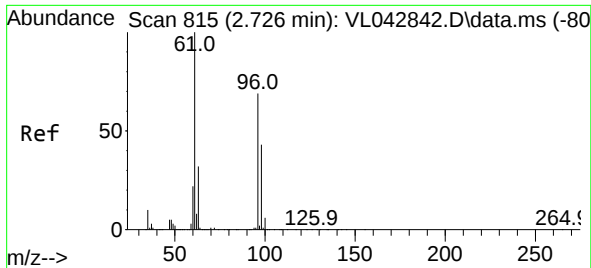
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025



#30  
Cyclohexane  
Concen: 9.367 ppbv  
RT: 3.862 min Scan# 1166  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

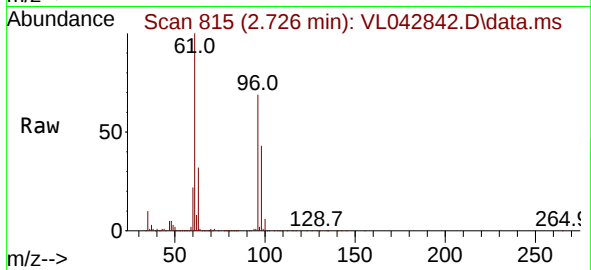
Tgt Ion: 84 Resp: 161540  
Ion Ratio Lower Upper  
84 100  
56 123.5 98.8 148.2  
41 76.6 61.3 91.9





#31  
 cis-1,2-Dichloroethene  
 Concen: 9.107 ppbv  
 RT: 2.726 min Scan# 815  
 Delta R.T. 0.000 min  
 Lab File: VL042842.D  
 Acq: 13 Aug 2025 08:30

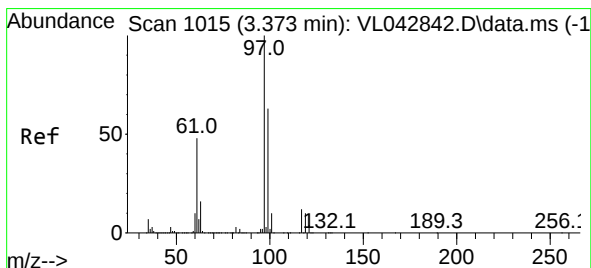
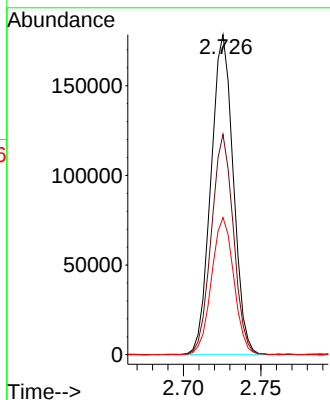
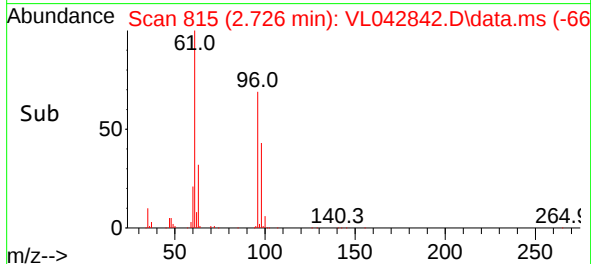
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010



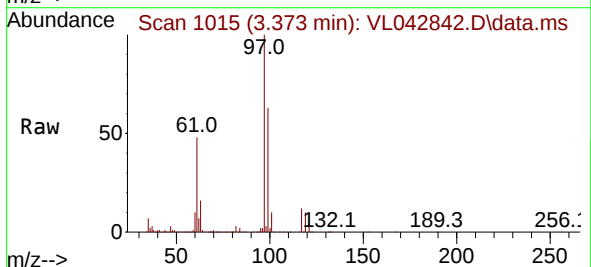
Tgt Ion: 61 Resp: 179162  
 Ion Ratio Lower Upper  
 61 100  
 96 68.8 55.0 82.6  
 98 42.9 34.3 51.5

Manual Integrations  
 APPROVED

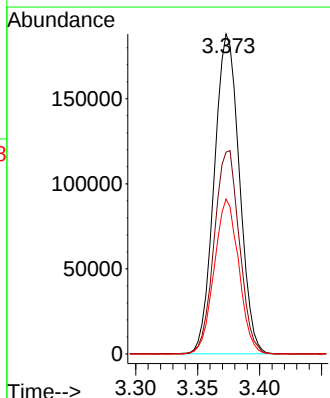
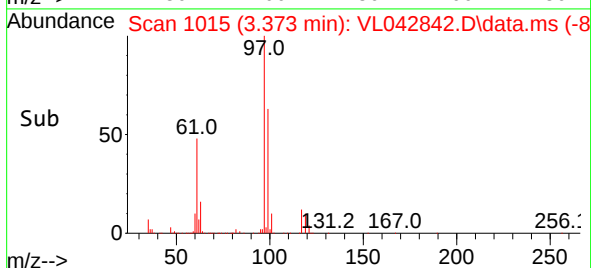
Reviewed By :Semsettin Yesilyurt 08/14/2025  
 Supervised By :Mahesh Dadoda 08/18/2025

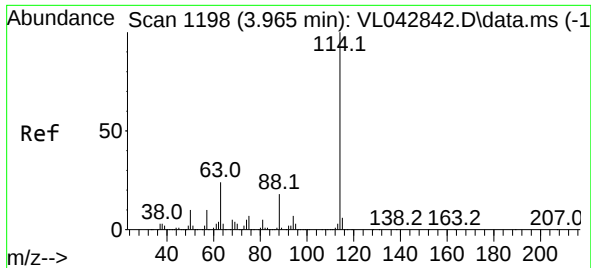


#32  
 1,1,1-Trichloroethane  
 Concen: 8.946 ppbv  
 RT: 3.373 min Scan# 1015  
 Delta R.T. 0.000 min  
 Lab File: VL042842.D  
 Acq: 13 Aug 2025 08:30



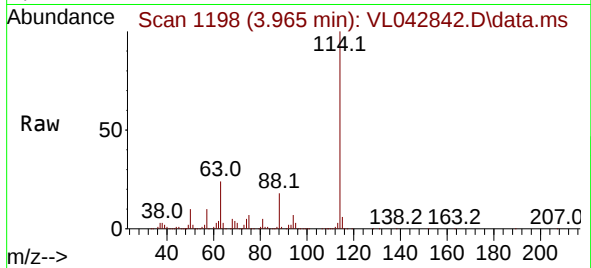
Tgt Ion: 97 Resp: 266021  
 Ion Ratio Lower Upper  
 97 100  
 99 63.8 51.0 76.6  
 61 47.5 38.0 57.0





#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.965 min Scan# 1198  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

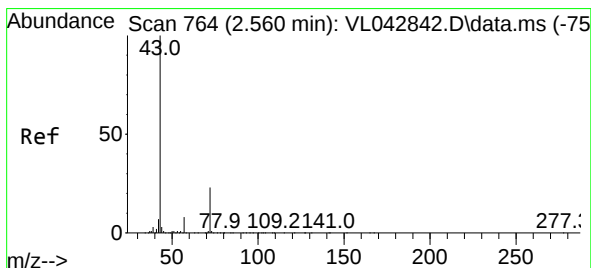
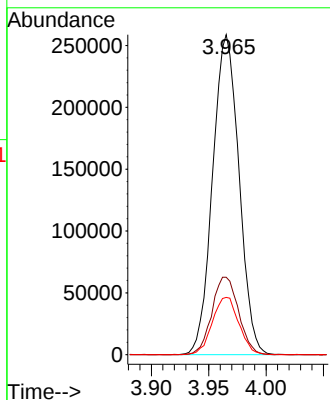
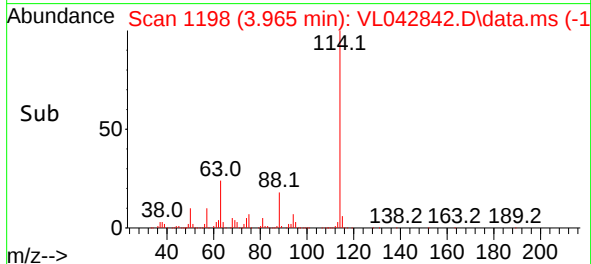
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



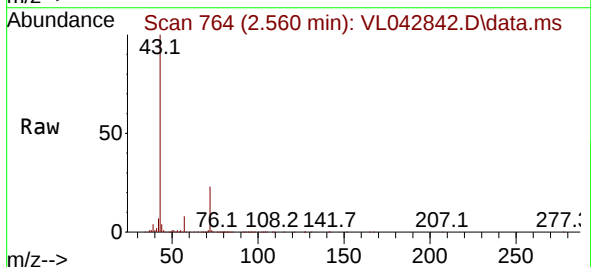
Tgt Ion:114 Resp: 413632  
Ion Ratio Lower Upper  
114 100  
63 24.6 19.7 29.5  
88 18.0 14.4 21.6

Manual Integrations  
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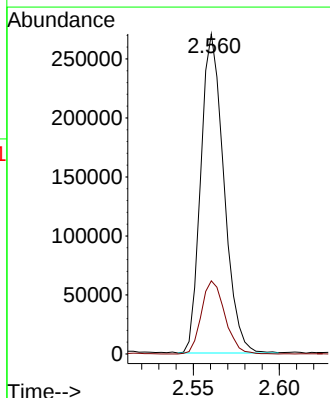
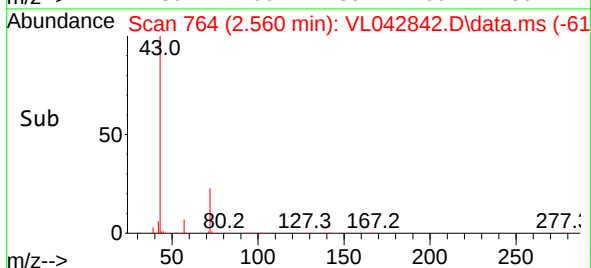
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025

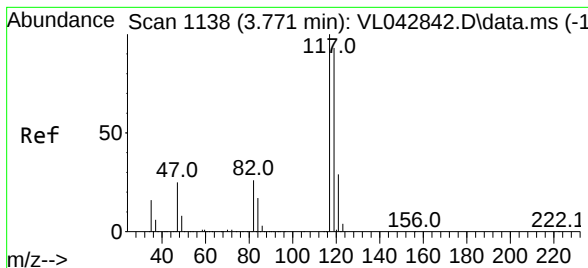


#34  
2-Butanone  
Concen: 9.033 ppbv  
RT: 2.560 min Scan# 764  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30



Tgt Ion: 43 Resp: 252300  
Ion Ratio Lower Upper  
43 100  
72 23.3 18.6 28.0





#35

Carbon Tetrachloride

Concen: 9.222 ppbv

RT: 3.771 min Scan# 1138

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion:117 Resp: 26298

Ion Ratio Lower Upper

117 100

119 93.4 74.7 112.1

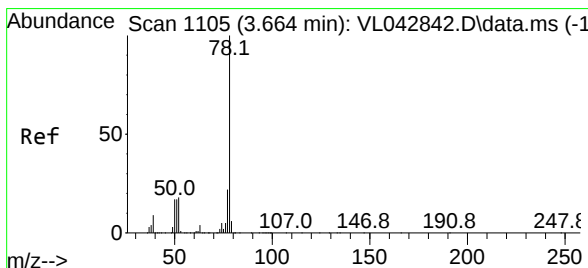
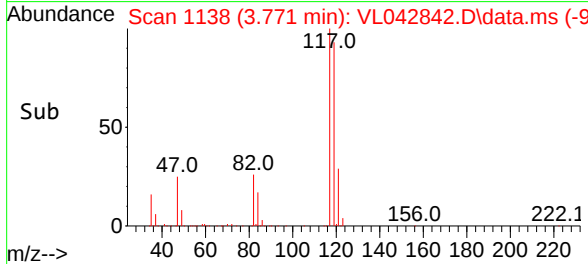
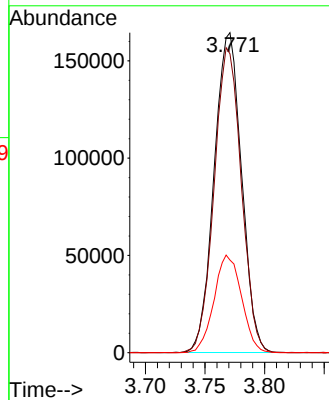
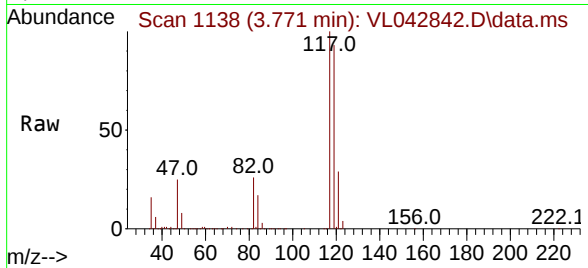
121 29.0 23.2 34.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#36

Benzene

Concen: 9.521 ppbv

RT: 3.664 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

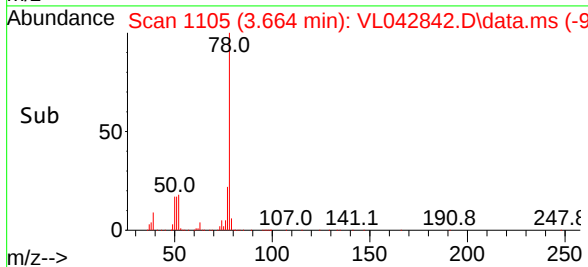
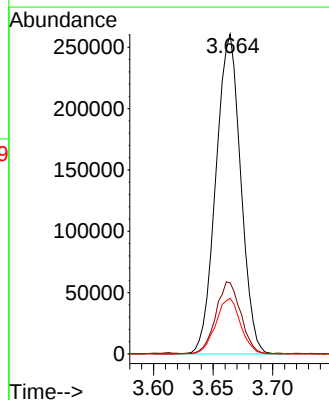
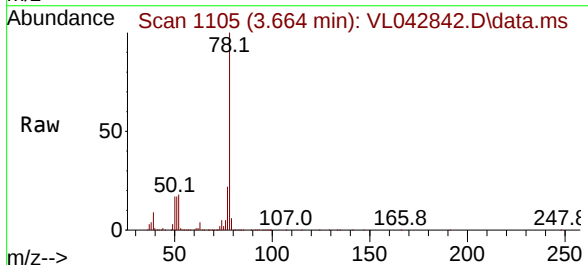
Tgt Ion: 78 Resp: 377113

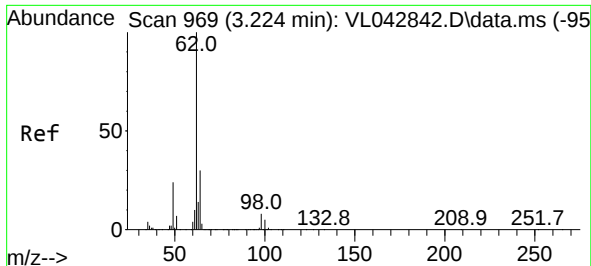
Ion Ratio Lower Upper

78 100

77 22.1 17.7 26.5

50 17.4 13.9 20.9





#37

1,2-Dichloroethane

Concen: 9.653 ppbv

RT: 3.224 min Scan# 969

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 62 Resp: 199762

Ion Ratio Lower Upper

62 100

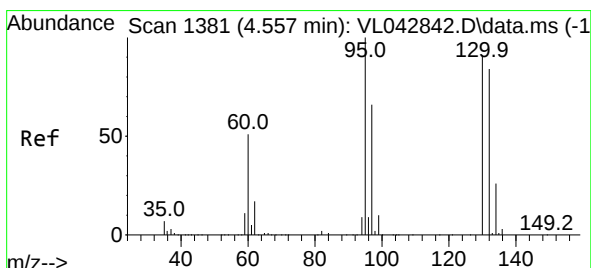
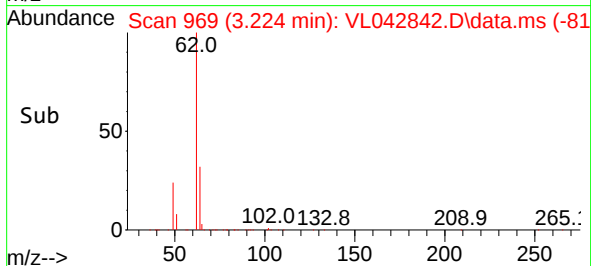
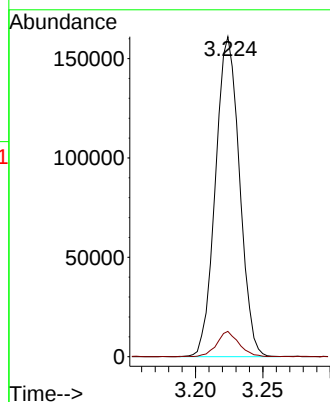
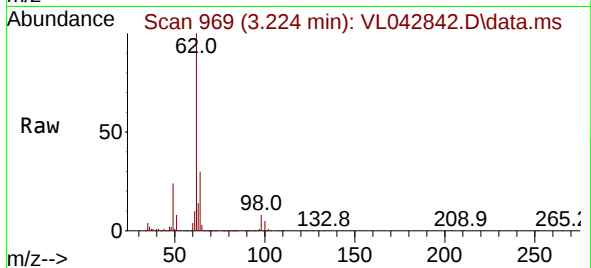
98 7.4 5.9 8.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#38

Trichloroethene

Concen: 9.115 ppbv

RT: 4.557 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Tgt Ion:130 Resp: 164881

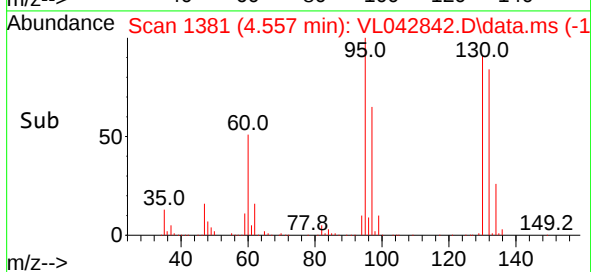
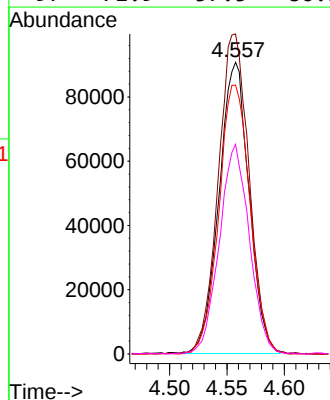
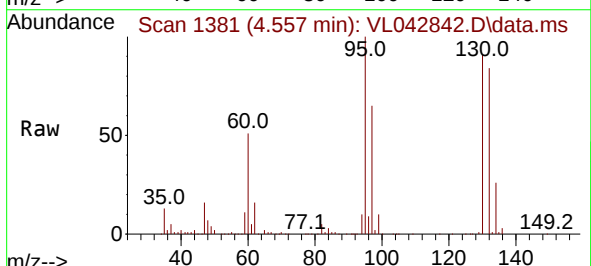
Ion Ratio Lower Upper

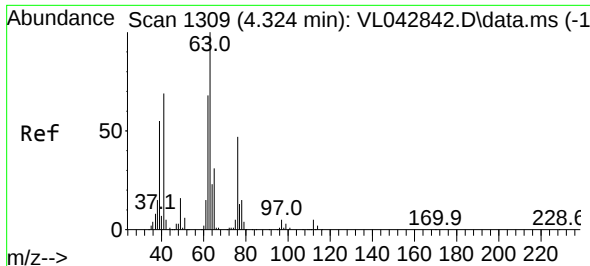
130 100

95 109.5 87.6 131.4

132 92.3 73.8 110.8

97 71.9 57.5 86.3





#39

1,2-Dichloropropane

Concen: 9.263 ppbv

RT: 4.324 min Scan# 1309

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

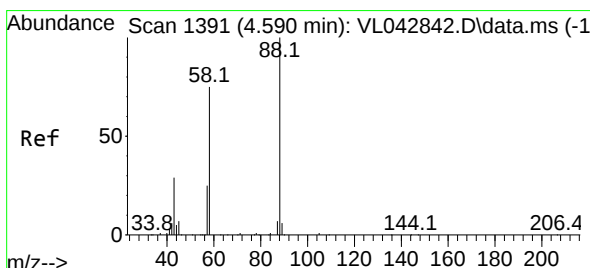
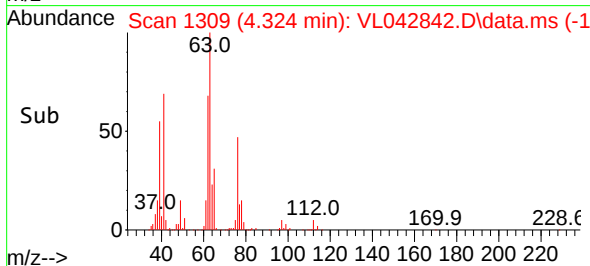
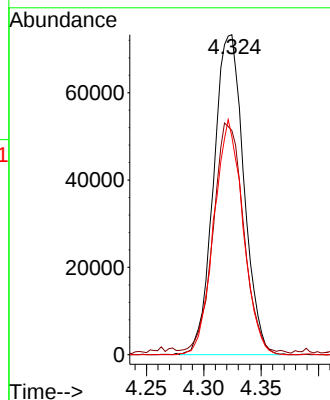
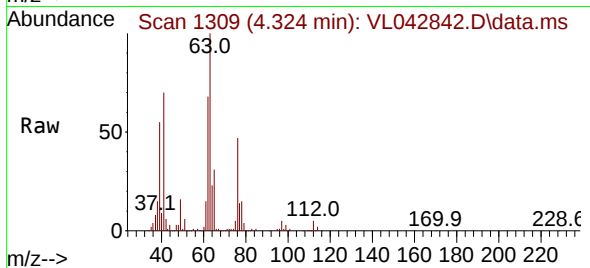
Tgt Ion: 63 Resp: 133990

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 41  | 68.7  | 55.0  | 82.4  |
| 62  | 68.0  | 54.4  | 81.6  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025



#40

1,4-Dioxane

Concen: 9.064 ppbv

RT: 4.590 min Scan# 1391

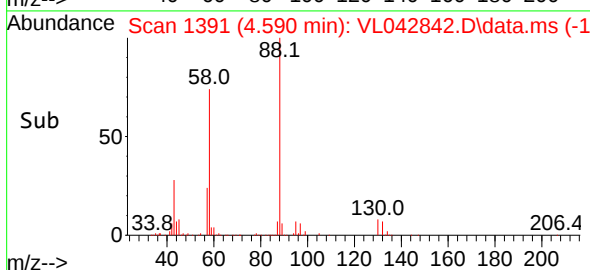
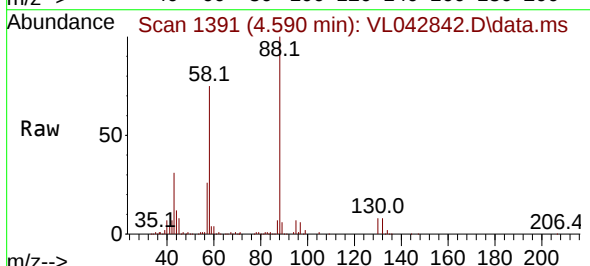
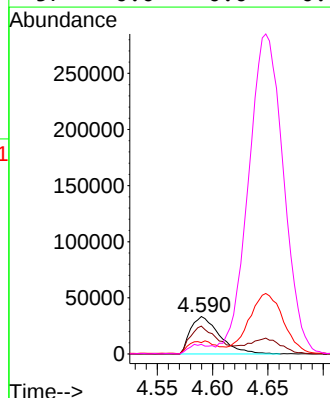
Delta R.T. 0.000 min

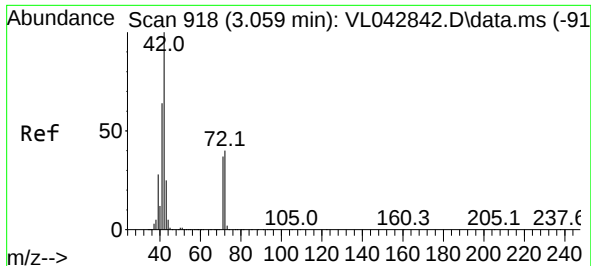
Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Tgt Ion: 88 Resp: 61378

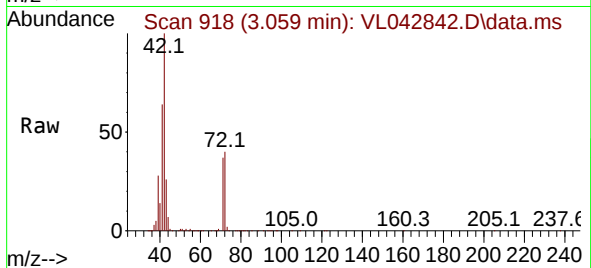
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 58  | 67.2  | 53.8  | 80.6  |
| 43  | 28.5  | 22.8  | 34.2  |
| 57  | 0.0   | 0.0   | 0.0   |





#41  
Tetrahydrofuran  
Concen: 9.442 ppbv  
RT: 3.059 min Scan# 918  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

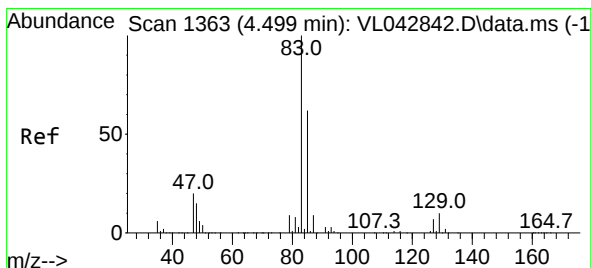
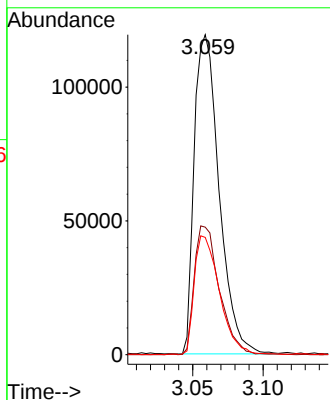
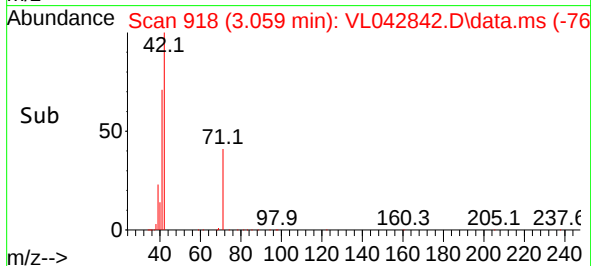
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



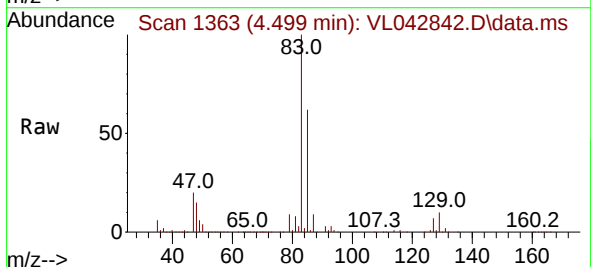
Tgt Ion: 42 Resp: 147025  
Ion Ratio Lower Upper  
42 100  
72 40.7 32.6 48.8  
71 37.5 30.0 45.0

Manual Integrations  
APPROVED

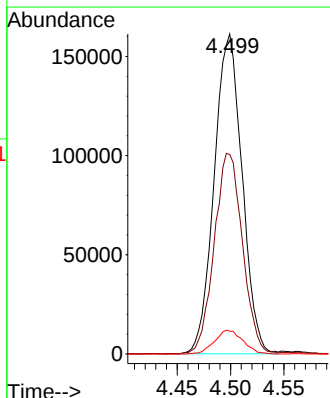
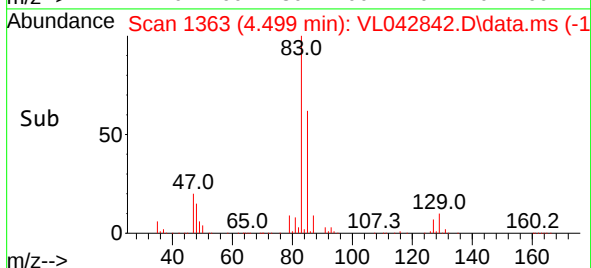
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025

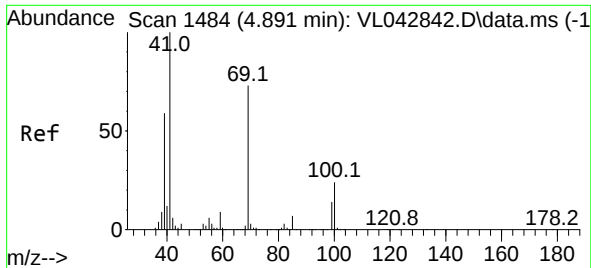


#42  
Bromodichloromethane  
Concen: 9.499 ppbv  
RT: 4.499 min Scan# 1363  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30



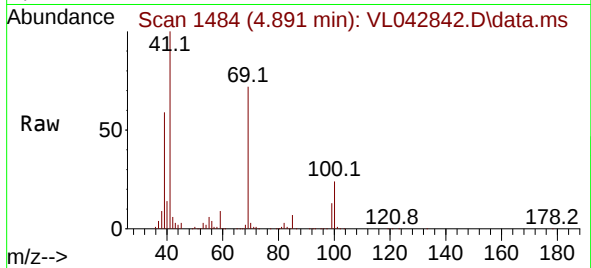
Tgt Ion: 83 Resp: 292909  
Ion Ratio Lower Upper  
83 100  
85 62.3 49.8 74.8  
127 7.2 5.8 8.6





#43  
Methyl Methacrylate  
Concen: 9.357 ppbv  
RT: 4.891 min Scan# 1484  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

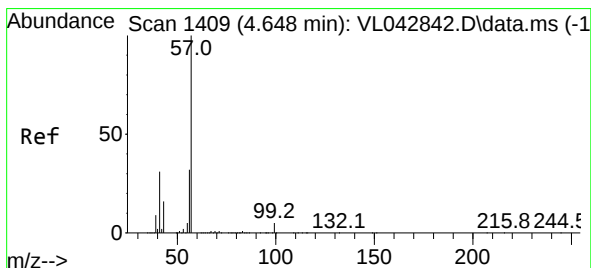
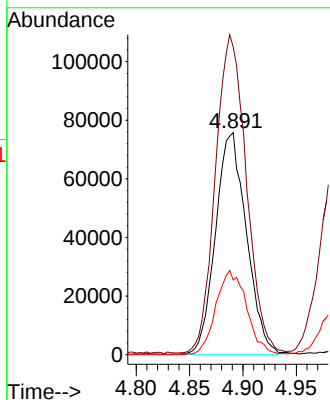
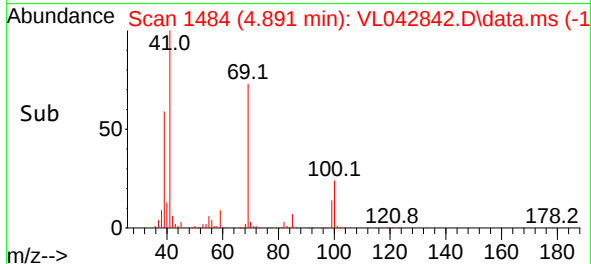
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



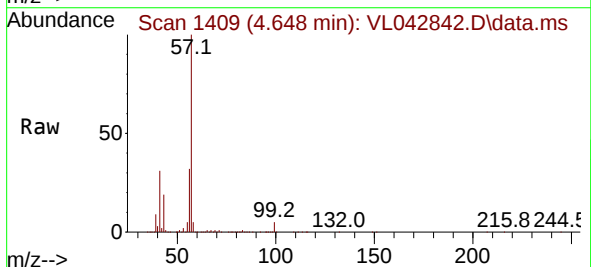
Tgt Ion: 69 Resp: 152035  
Ion Ratio Lower Upper  
69 100  
41 143.3 114.6 172.0  
100 37.8 30.2 45.4

Manual Integrations  
APPROVED

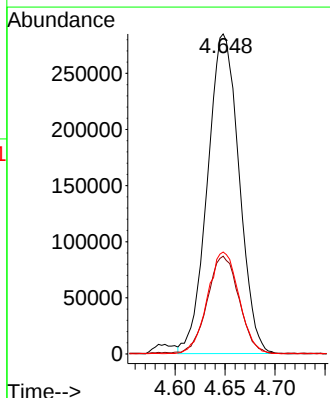
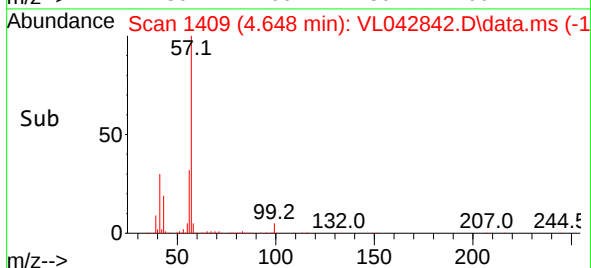
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025

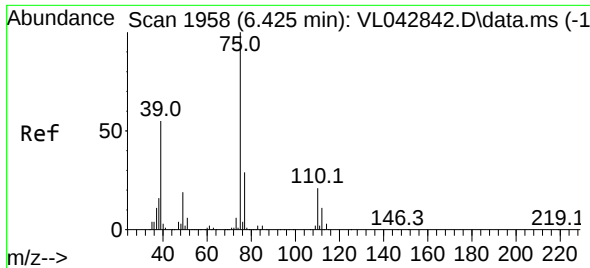


#44  
2,2,4-Trimethylpentane  
Concen: 9.420 ppbv  
RT: 4.648 min Scan# 1409  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30



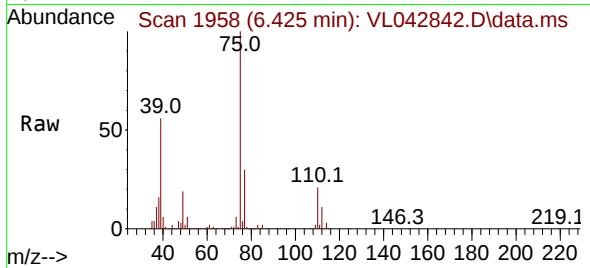
Tgt Ion: 57 Resp: 626465  
Ion Ratio Lower Upper  
57 100  
41 31.0 24.8 37.2  
56 31.9 25.5 38.3





#45  
 t-1,3-Dichloropropene  
 Concen: 9.616 ppbv  
 RT: 6.425 min Scan# 1958  
 Delta R.T. 0.000 min  
 Lab File: VL042842.D  
 Acq: 13 Aug 2025 08:30

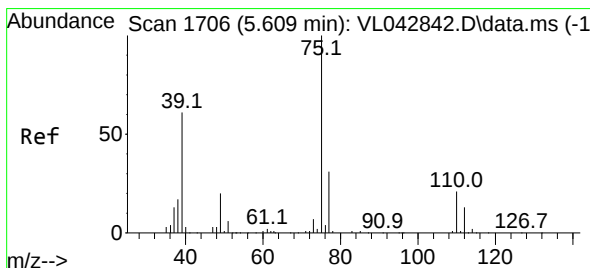
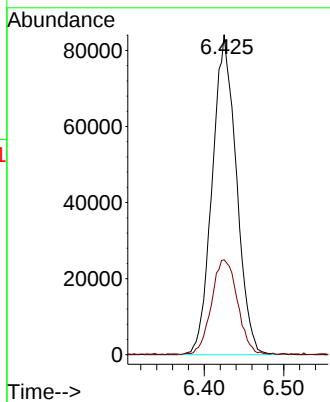
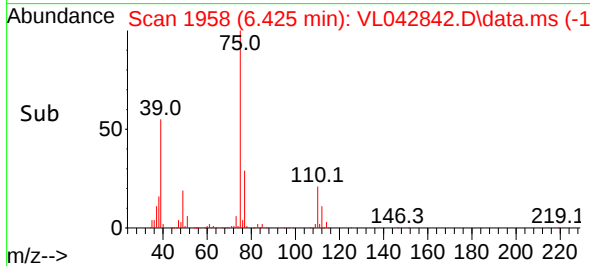
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010



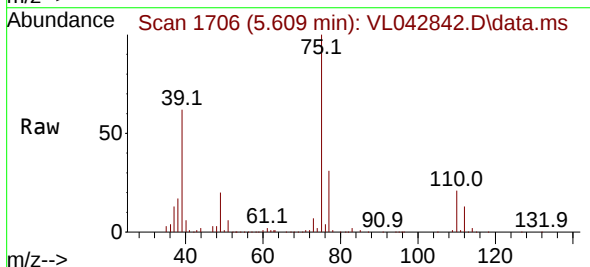
Tgt Ion: 75 Resp: 17720  
 Ion Ratio Lower Upper  
 75 100  
 77 29.7 23.8 35.6

Manual Integrations  
 APPROVED

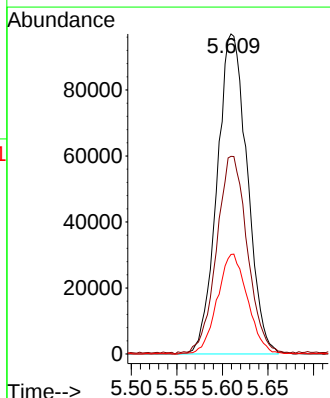
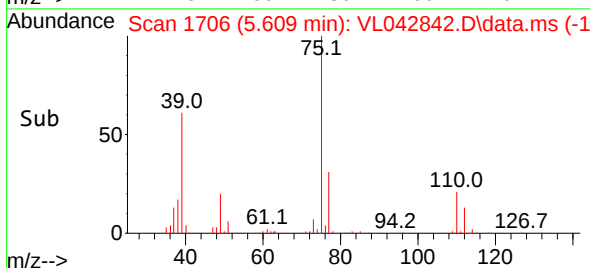
Reviewed By :Semsettin Yesilyurt 08/14/2025  
 Supervised By :Mahesh Dadoda 08/18/2025

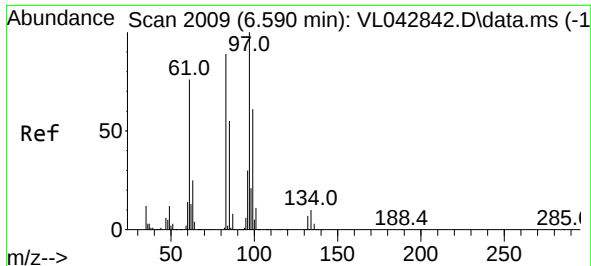


#46  
 cis-1,3-Dichloropropene  
 Concen: 9.635 ppbv  
 RT: 5.609 min Scan# 1706  
 Delta R.T. 0.000 min  
 Lab File: VL042842.D  
 Acq: 13 Aug 2025 08:30



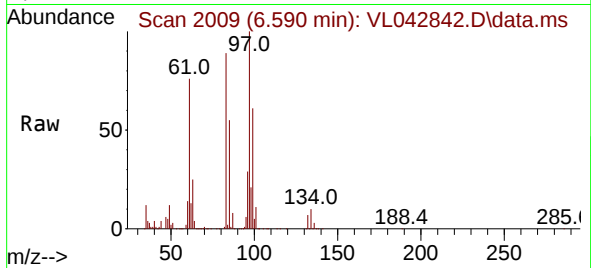
Tgt Ion: 75 Resp: 222921  
 Ion Ratio Lower Upper  
 75 100  
 39 61.1 48.9 73.3  
 77 31.1 24.9 37.3





#47  
1,1,2-Trichloroethane  
Concen: 9.215 ppbv  
RT: 6.590 min Scan# 2009  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

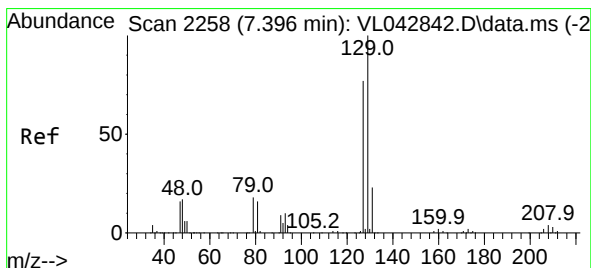
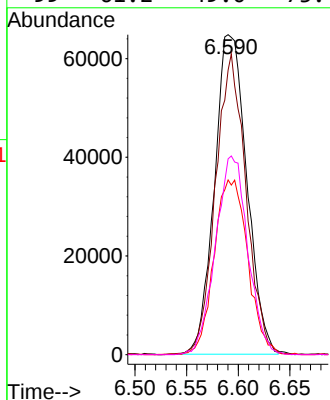
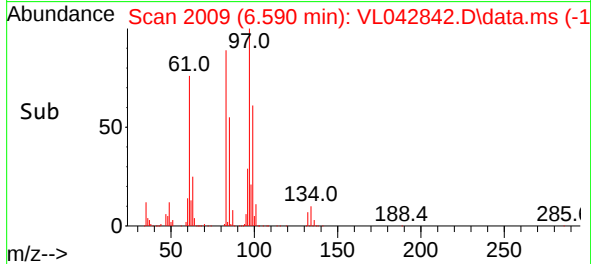
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 97 Resp: 14110  
Ion Ratio Lower Upper  
97 100  
83 88.7 71.0 106.4  
85 54.5 43.6 65.4  
99 61.2 49.0 73.4

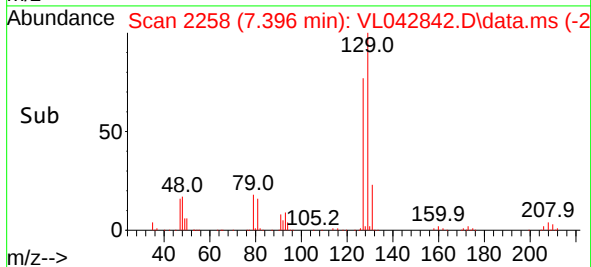
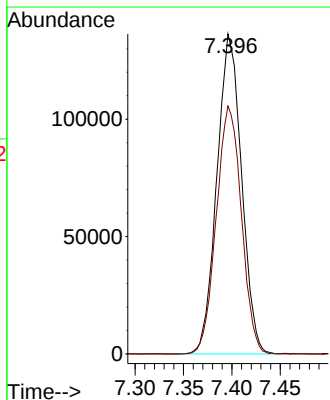
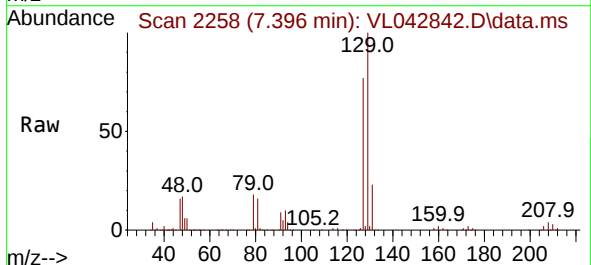
Manual Integrations  
APPROVED

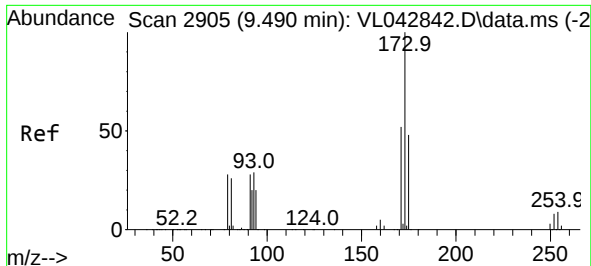
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025



#48  
Dibromochloromethane  
Concen: 9.739 ppbv  
RT: 7.396 min Scan# 2258  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

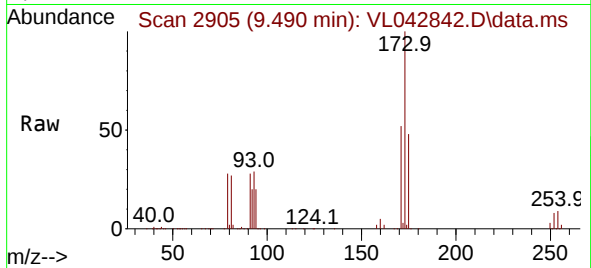
Tgt Ion:129 Resp: 241553  
Ion Ratio Lower Upper  
129 100  
127 78.8 39.4 118.2





#49  
Bromoform  
Concen: 9.923 ppbv  
RT: 9.490 min Scan# 2905  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

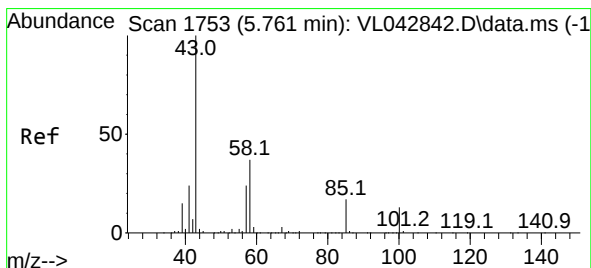
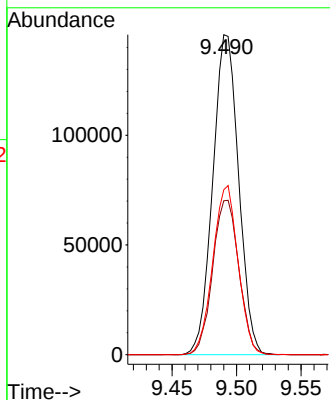
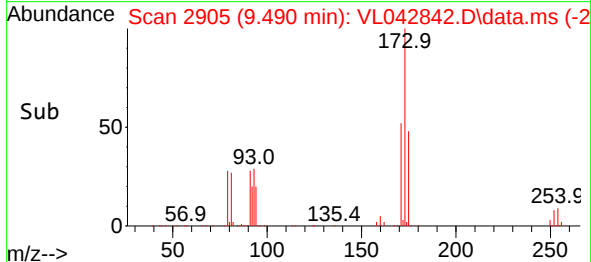
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 173 Resp: 202975  
Ion Ratio Lower Upper  
173 100  
175 49.0 39.2 58.8  
171 51.6 41.3 61.9

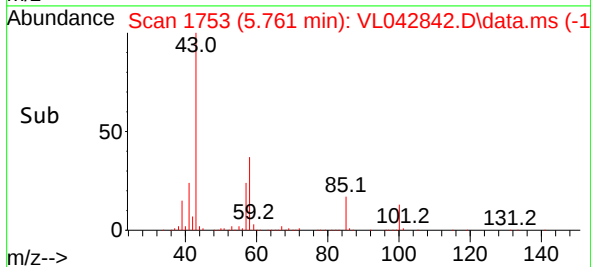
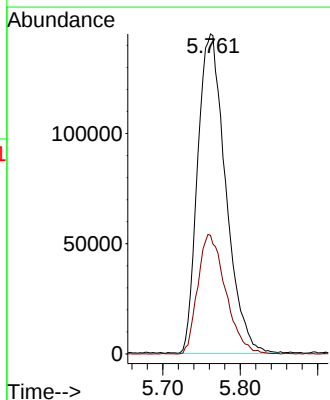
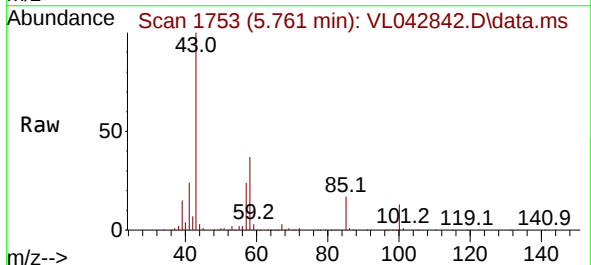
Manual Integrations  
APPROVED

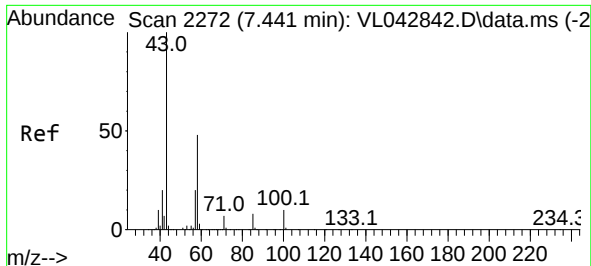
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025



#50  
4-Methyl-2-Pentanone  
Concen: 9.616 ppbv  
RT: 5.761 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

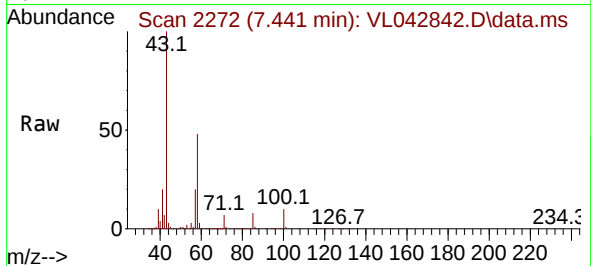
Tgt Ion: 43 Resp: 364306  
Ion Ratio Lower Upper  
43 100  
58 37.3 29.8 44.8





#51  
2-Hexanone  
Concen: 9.730 ppbv  
RT: 7.441 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

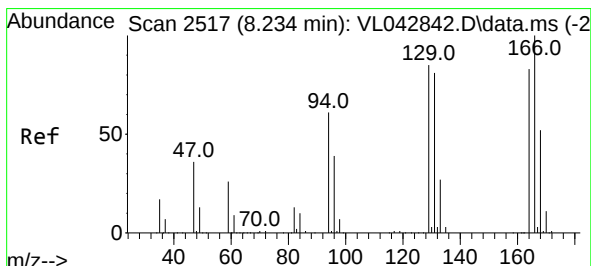
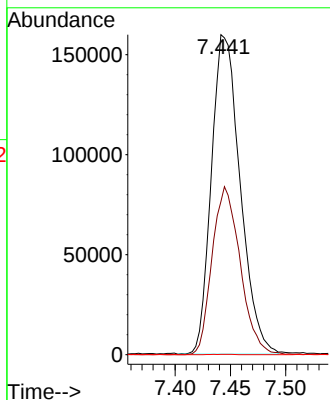
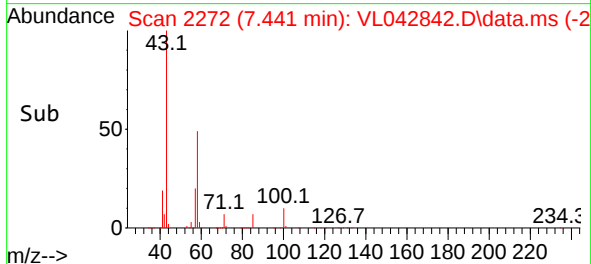
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 43 Resp: 28905  
Ion Ratio Lower Upper  
43 100  
58 51.3 41.0 61.6  
98 0.1 0.1 0.1

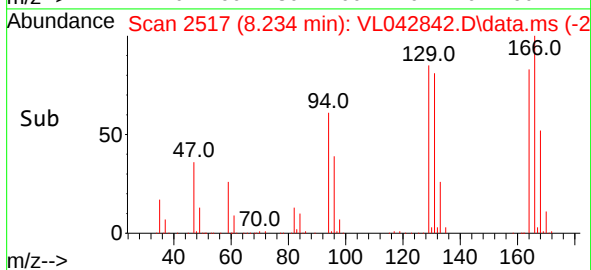
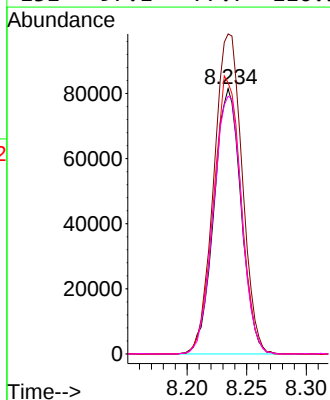
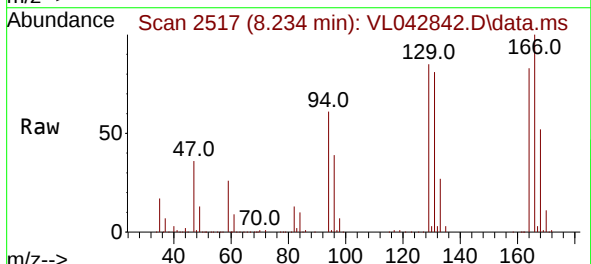
Manual Integrations  
APPROVED

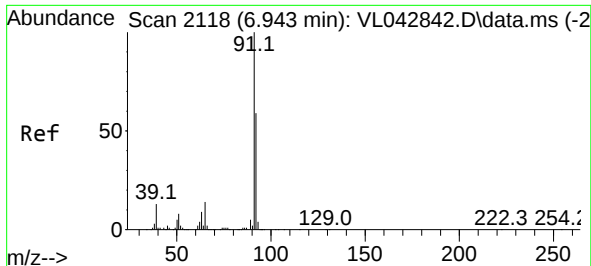
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025



#52  
Tetrachloroethene  
Concen: 9.026 ppbv  
RT: 8.234 min Scan# 2517  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

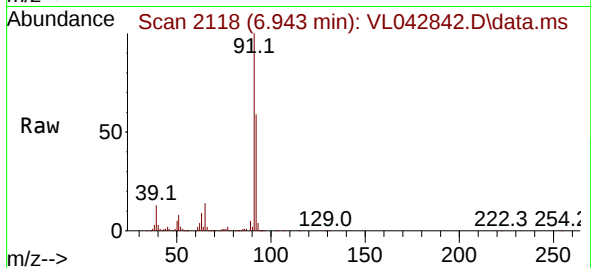
Tgt Ion:164 Resp: 129484  
Ion Ratio Lower Upper  
164 100  
166 120.6 96.5 144.7  
129 102.2 81.8 122.6  
131 97.1 77.7 116.5





#53  
Toluene  
Concen: 9.407 ppbv  
RT: 6.943 min Scan# 2118  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

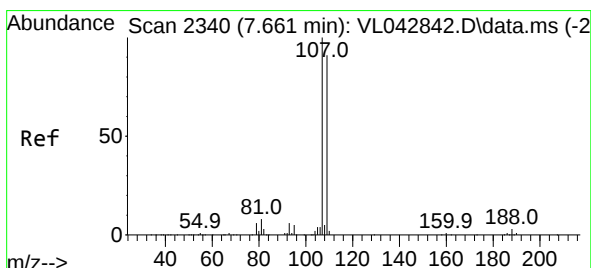
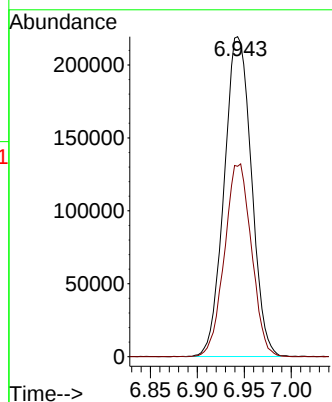
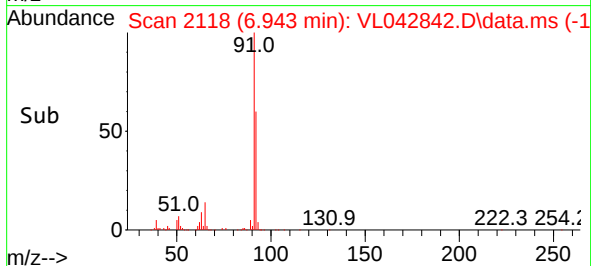
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



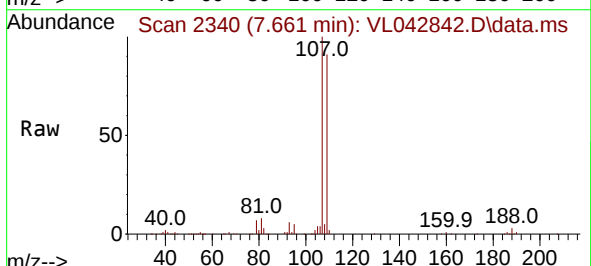
Tgt Ion: 91 Resp: 443400  
Ion Ratio Lower Upper  
91 100  
92 59.7 47.8 71.6

Manual Integrations  
APPROVED

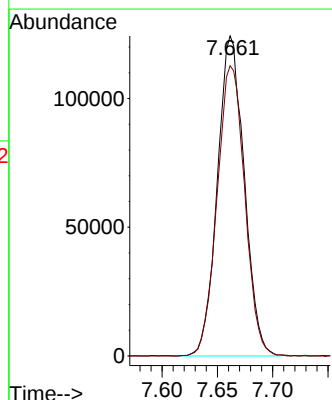
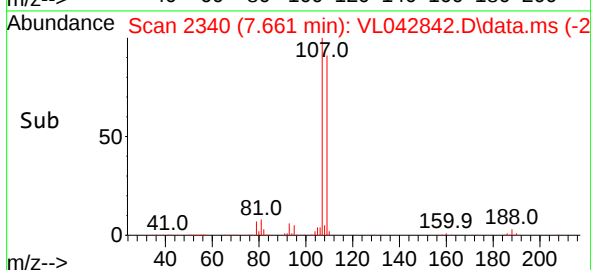
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025

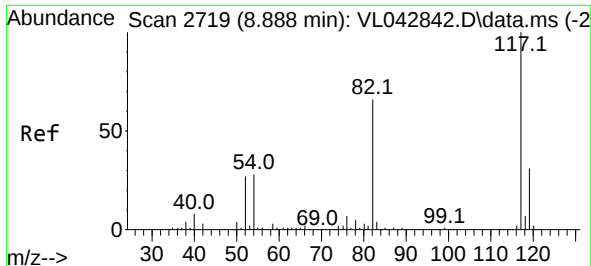


#54  
1,2-Dibromoethane  
Concen: 9.345 ppbv  
RT: 7.661 min Scan# 2340  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30



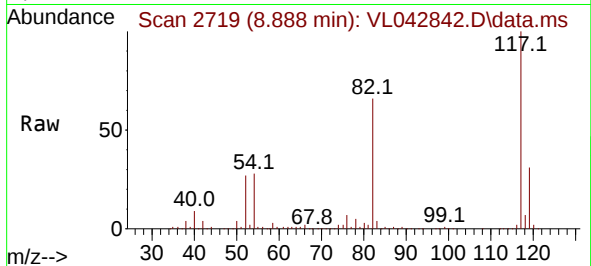
Tgt Ion:107 Resp: 209330  
Ion Ratio Lower Upper  
107 100  
109 90.6 72.5 108.7





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.888 min Scan# 2719  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

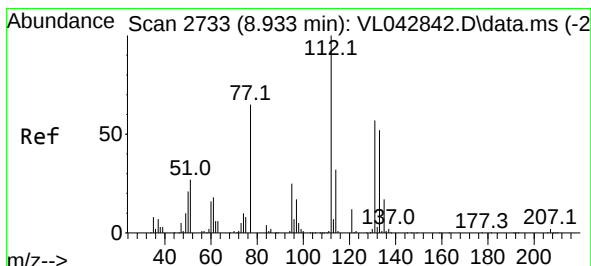
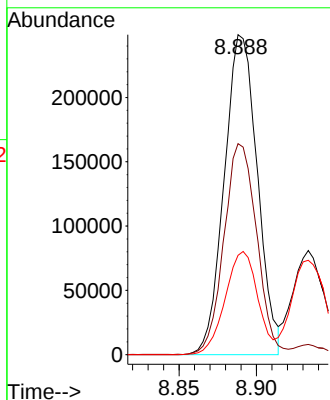
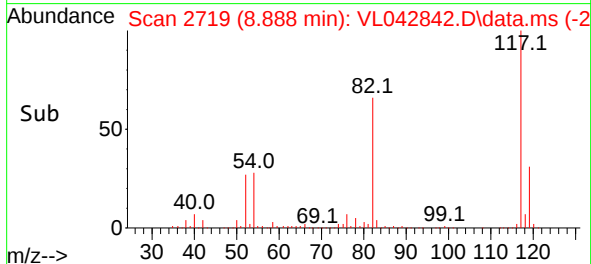
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion:117 Resp: 370372  
Ion Ratio Lower Upper  
117 100  
82 68.2 54.6 81.8  
119 32.4 25.9 38.9

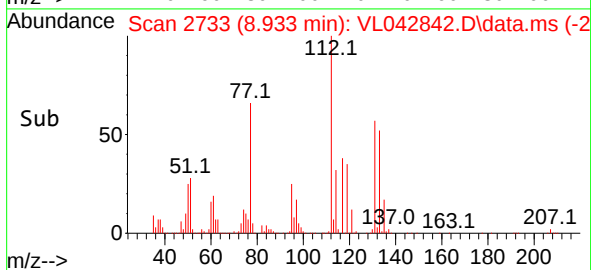
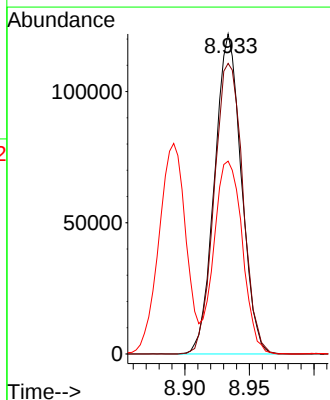
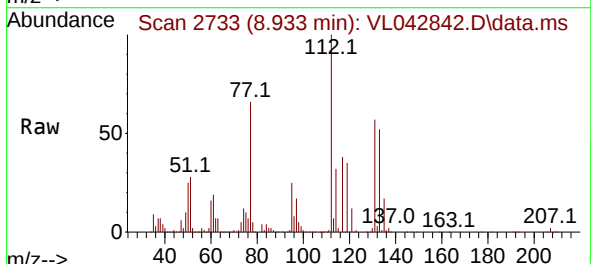
Manual Integrations  
APPROVED

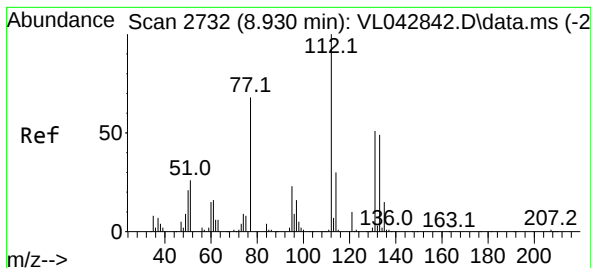
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025



#56  
1,1,1,2-Tetrachloroethane  
Concen: 9.196 ppbv  
RT: 8.933 min Scan# 2733  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

Tgt Ion:131 Resp: 176135  
Ion Ratio Lower Upper  
131 100  
133 96.7 77.4 116.0  
119 64.0 51.2 76.8





#57

Chlorobenzene

Concen: 9.237 ppbv

RT: 8.930 min Scan# 2732

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA\_L

ClientSampleId :

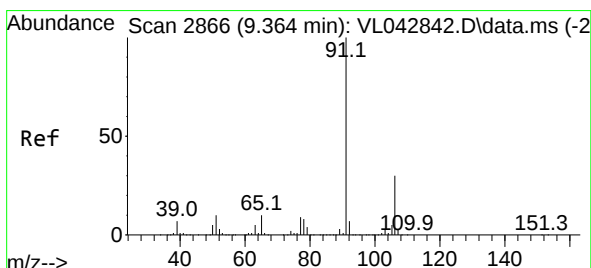
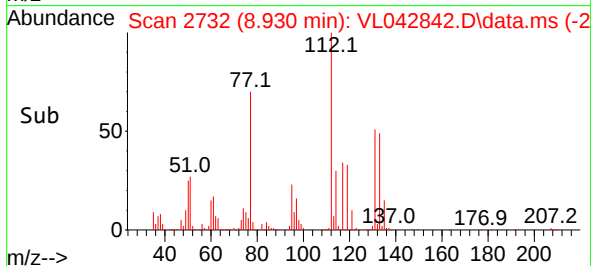
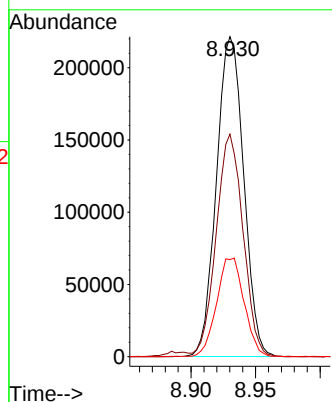
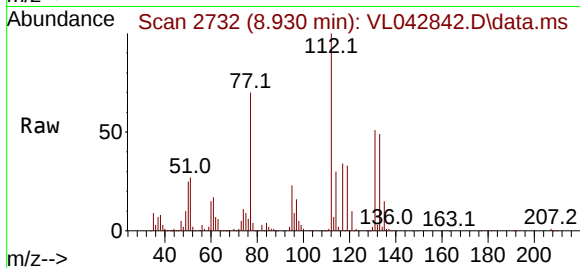
VSTDICCC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 32530 |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 77        | 69.4  | 55.5  | 83.3  |
| 114       | 30.2  | 27.2  | 33.2  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025



#58

Ethyl Benzene

Concen: 9.268 ppbv

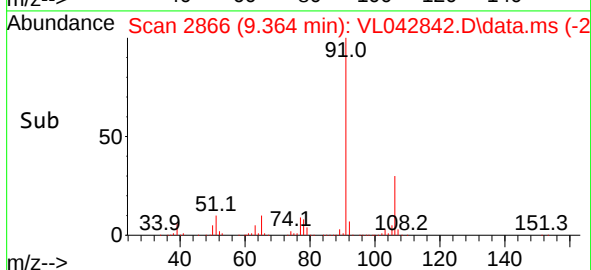
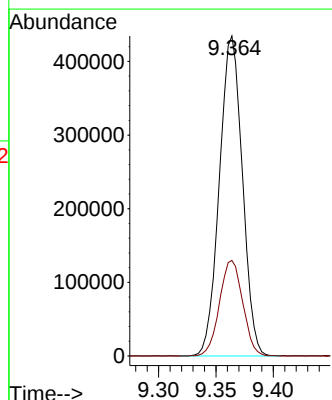
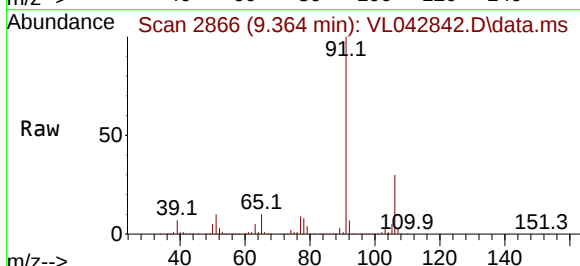
RT: 9.364 min Scan# 2866

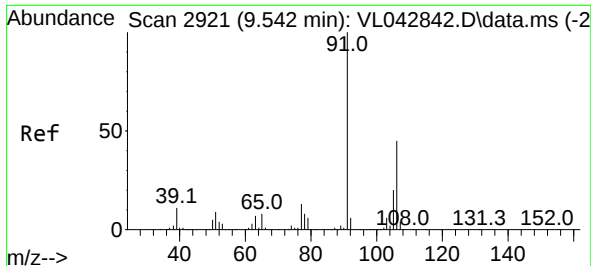
Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 605785 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 106       | 29.9  | 23.9  | 35.9   |





#59

m/p-Xylene

Concen: 18.524 ppbv m

RT: 9.542 min Scan# 2921

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 91 Resp: 950548

Ion Ratio Lower Upper

91 100

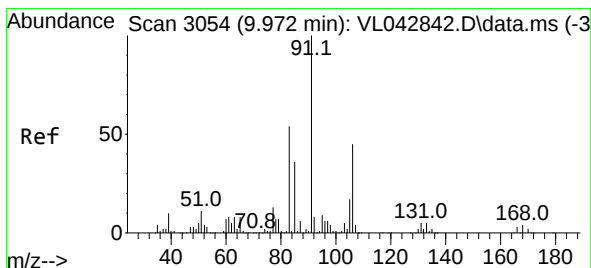
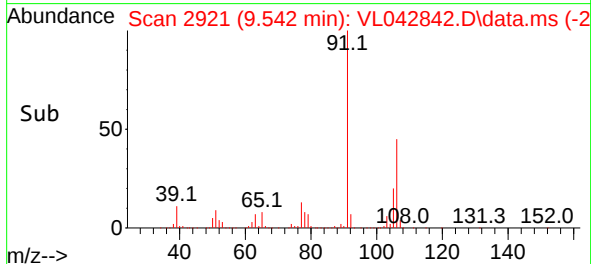
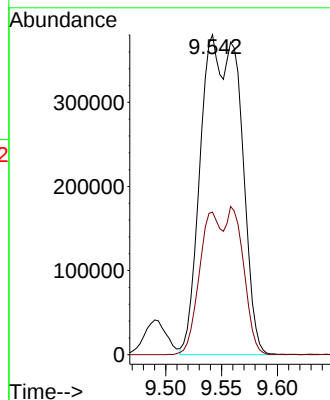
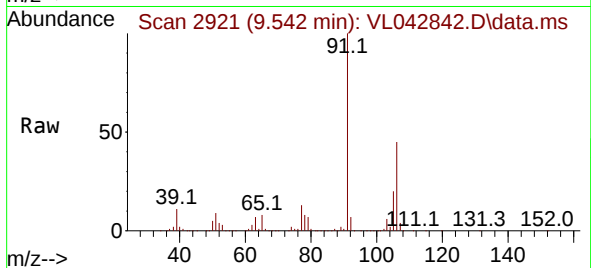
106 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#60

o-Xylene

Concen: 9.102 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VL042842.D

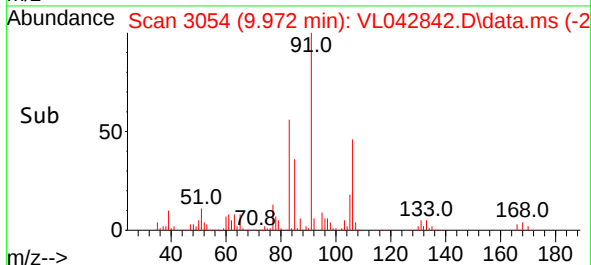
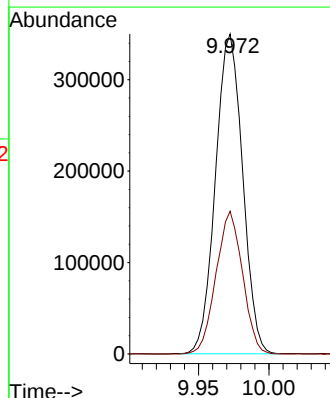
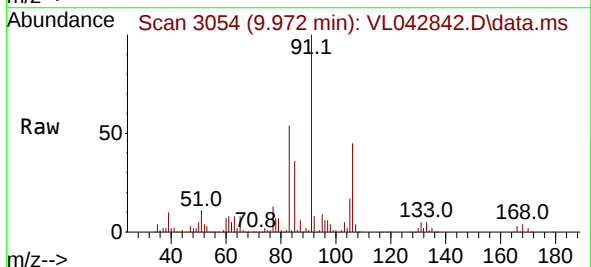
Acq: 13 Aug 2025 08:30

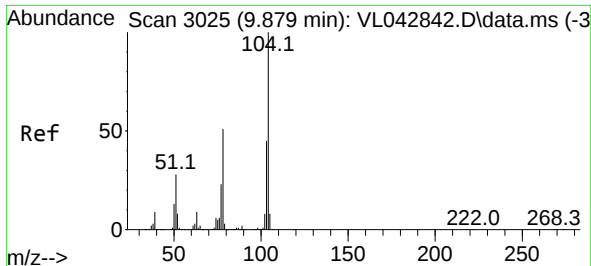
Tgt Ion: 91 Resp: 469073

Ion Ratio Lower Upper

91 100

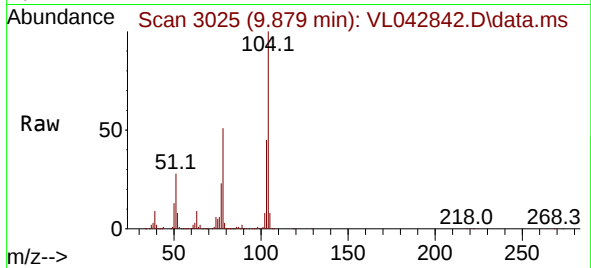
106 43.6 21.8 65.4





#61  
Styrene  
Concen: 9.362 ppbv  
RT: 9.879 min Scan# 3025  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

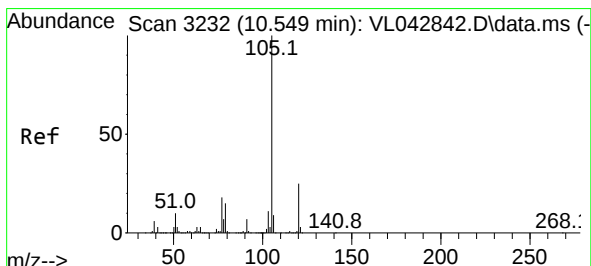
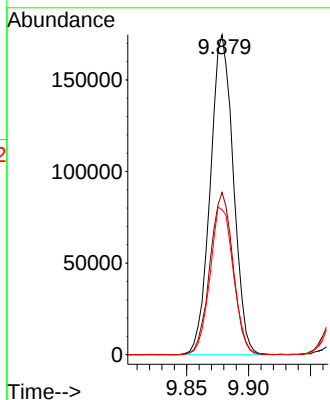
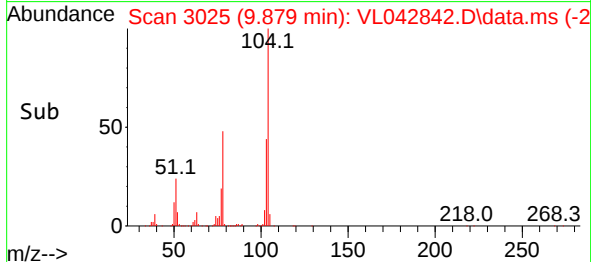
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



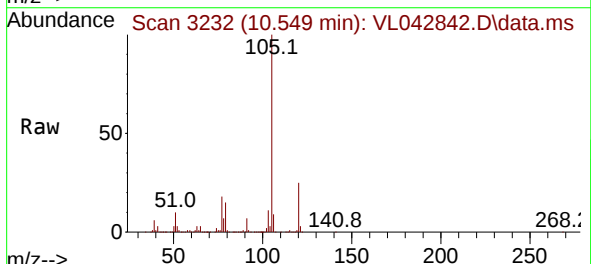
Tgt Ion:104 Resp: 226050  
Ion Ratio Lower Upper  
104 100  
78 50.8 40.6 61.0  
103 47.1 37.7 56.5

Manual Integrations  
APPROVED

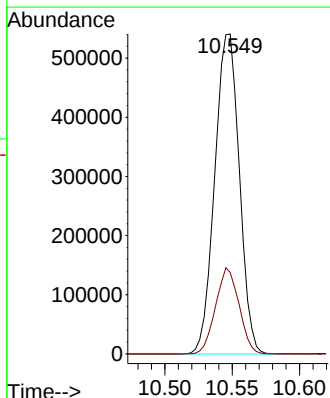
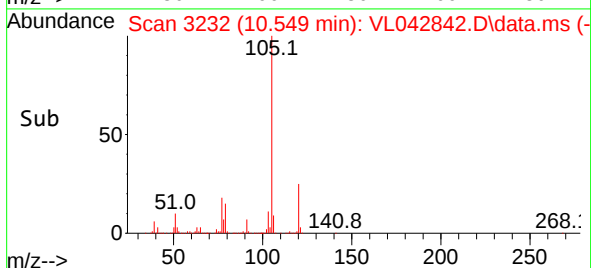
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025

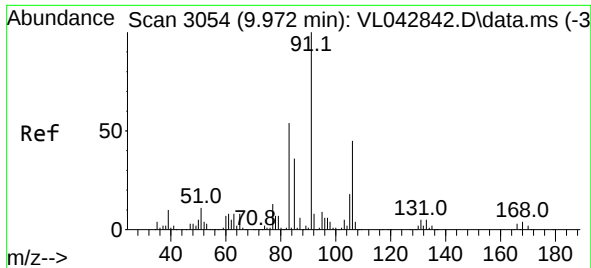


#62  
Isopropylbenzene  
Concen: 9.108 ppbv  
RT: 10.549 min Scan# 3232  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30



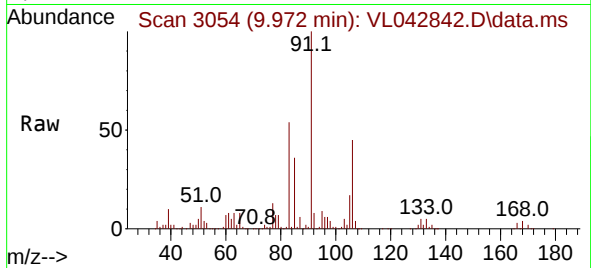
Tgt Ion:105 Resp: 685983  
Ion Ratio Lower Upper  
105 100  
120 25.7 20.6 30.8





#63  
1,1,2,2-Tetrachloroethane  
Concen: 8.870 ppbv  
RT: 9.972 min Scan# 3054  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

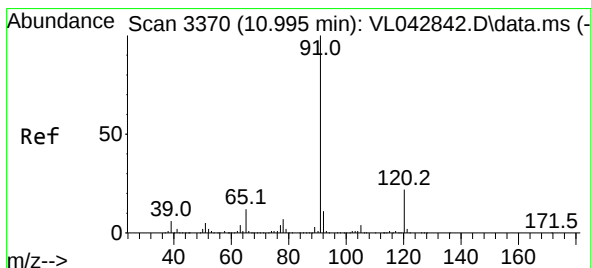
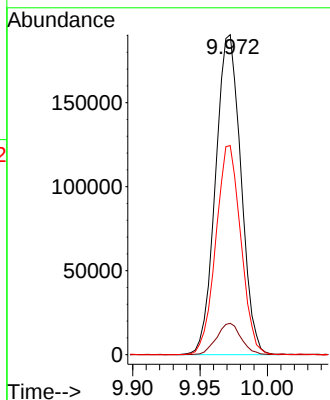
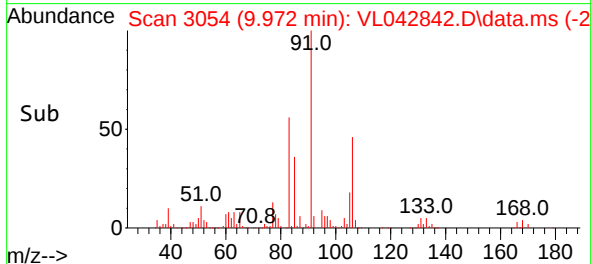
Instrument : MSVOA\_L  
ClientSampleId : VSTDICCC010



Tgt Ion: 83 Resp: 24962  
Ion Ratio Lower Upper  
83 100  
131 9.5 4.8 14.3  
85 64.5 32.3 96.8

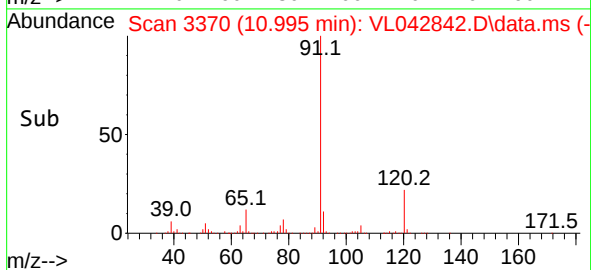
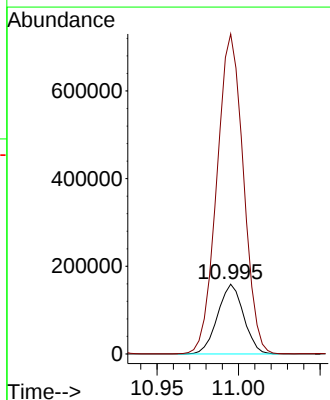
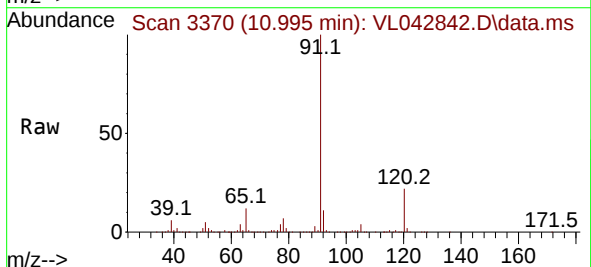
Manual Integrations  
APPROVED

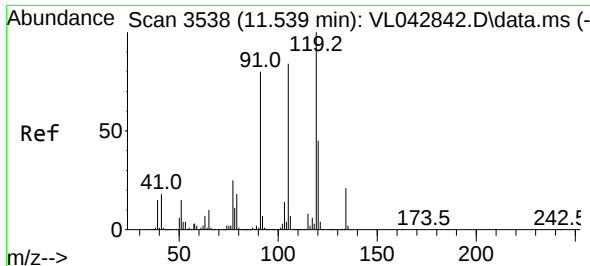
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025



#64  
n-propylbenzene  
Concen: 9.158 ppbv  
RT: 10.995 min Scan# 3370  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

Tgt Ion:120 Resp: 175986  
Ion Ratio Lower Upper  
120 100  
91 469.7 375.8 563.6





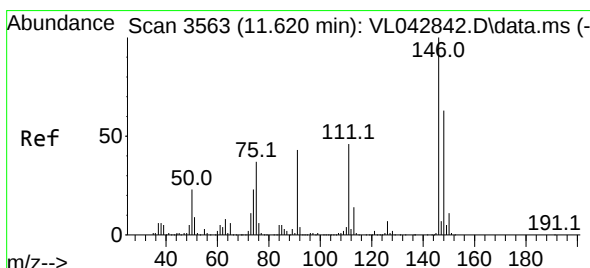
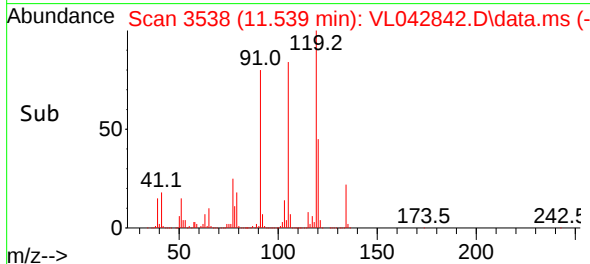
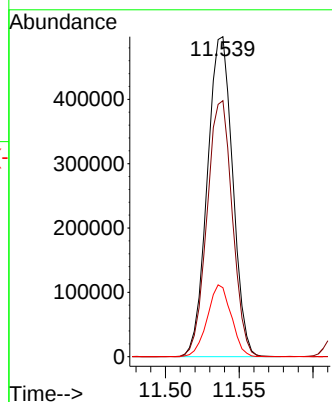
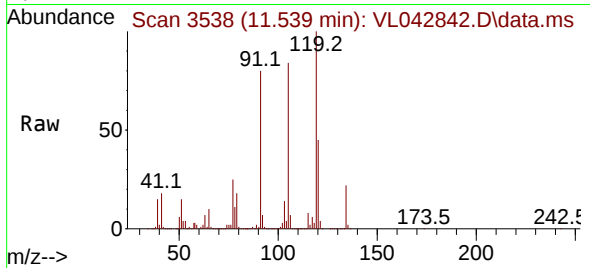
#65  
tert-Butylbenzene  
Concen: 8.951 ppbv  
RT: 11.539 min Scan# 3538  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010

Tgt Ion: 119 Resp: 594314  
Ion Ratio Lower Upper  
119 100  
91 79.9 63.9 95.9  
134 21.2 17.0 25.4

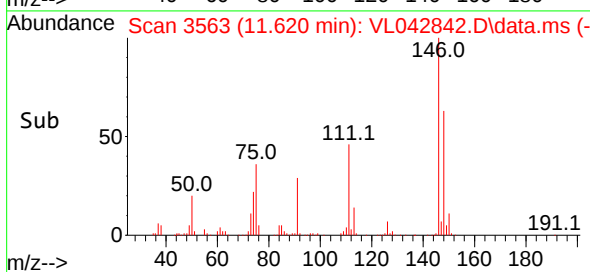
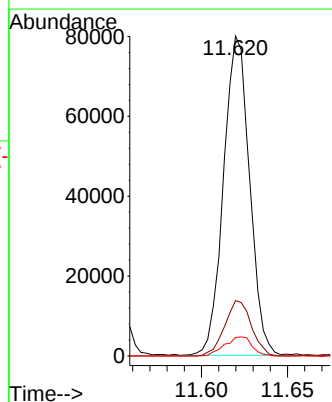
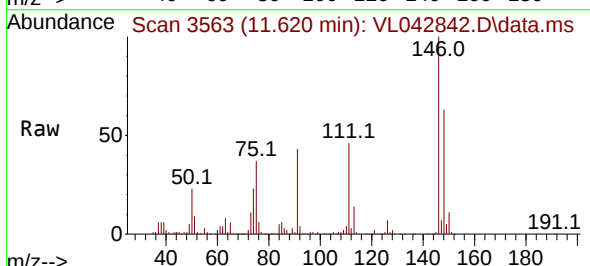
Manual Integrations  
APPROVED

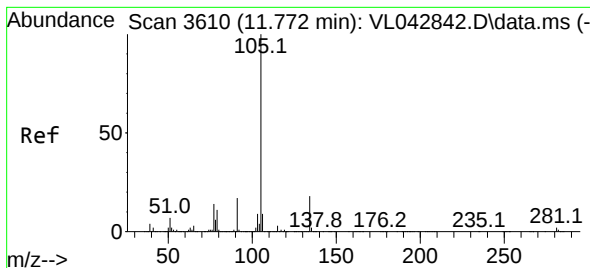
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025



#66  
Benzyl Chloride  
Concen: 9.985 ppbv  
RT: 11.620 min Scan# 3563  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

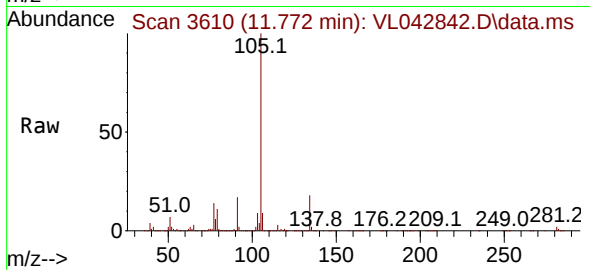
Tgt Ion: 91 Resp: 84156  
Ion Ratio Lower Upper  
91 100  
126 17.8 14.2 21.4  
128 6.3 5.0 7.6





#67  
 sec-Butylbenzene  
 Concen: 8.943 ppbv  
 RT: 11.772 min Scan# 3610  
 Delta R.T. 0.000 min  
 Lab File: VL042842.D  
 Acq: 13 Aug 2025 08:30

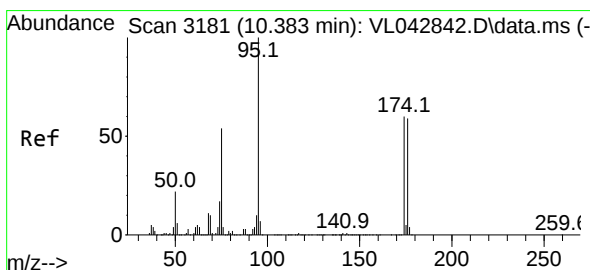
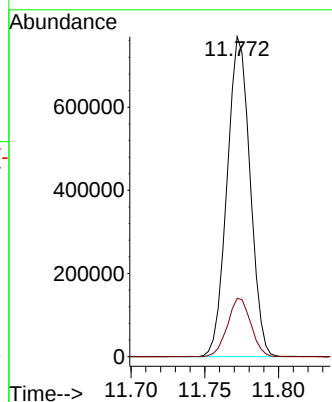
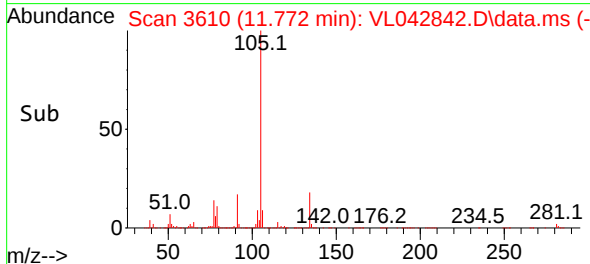
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDICCC010



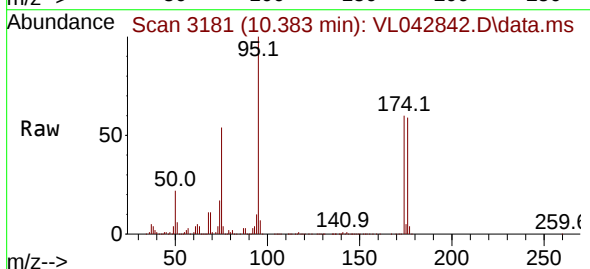
Tgt Ion:105 Resp: 833378  
 Ion Ratio Lower Upper  
 105 100  
 134 18.6 14.9 22.3

Manual Integrations  
 APPROVED

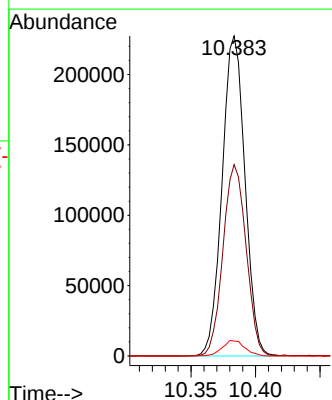
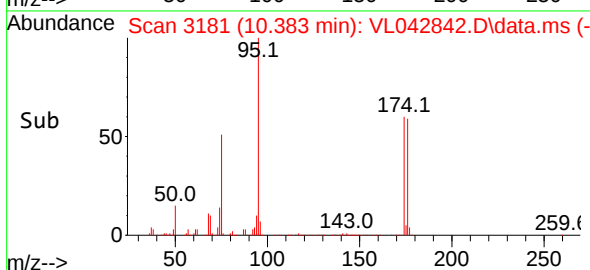
Reviewed By :Semsettin Yesilyurt 08/14/2025  
 Supervised By :Mahesh Dadoda 08/18/2025

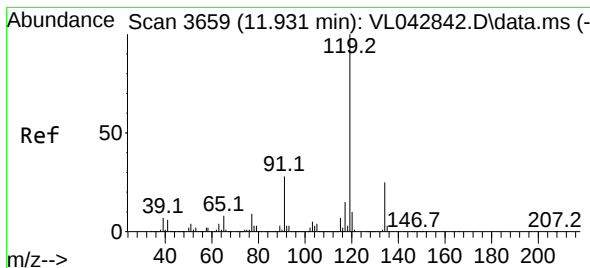


#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.064 ppbv  
 RT: 10.383 min Scan# 3181  
 Delta R.T. 0.000 min  
 Lab File: VL042842.D  
 Acq: 13 Aug 2025 08:30



Tgt Ion: 95 Resp: 279557  
 Ion Ratio Lower Upper  
 95 100  
 174 60.5 48.4 72.6  
 175 4.8 3.8 5.8





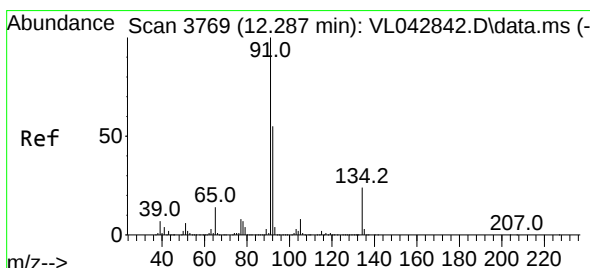
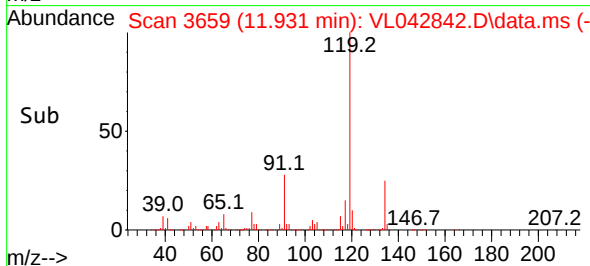
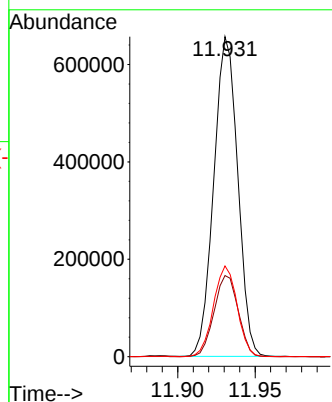
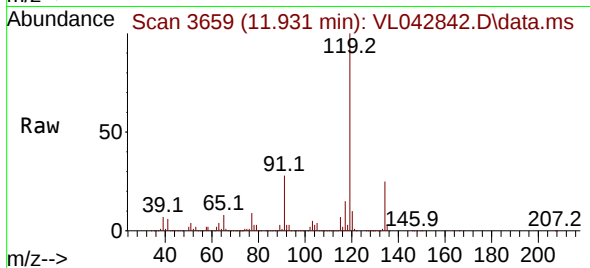
#69  
p-Isopropyltoluene  
Concen: 8.820 ppbv  
RT: 11.931 min Scan# 3659  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010

Tgt Ion:119 Resp: 705700  
Ion Ratio Lower Upper  
119 100  
134 25.7 20.6 30.8  
91 28.3 22.6 34.0

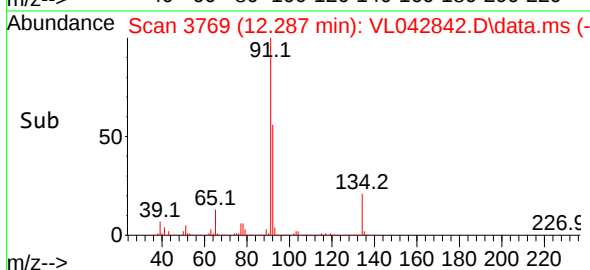
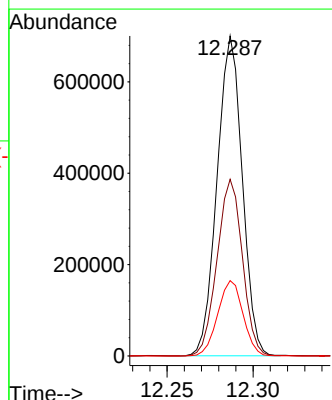
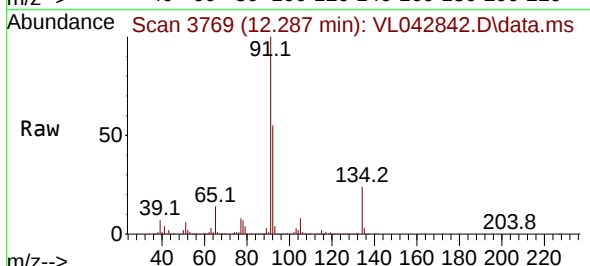
Manual Integrations  
APPROVED

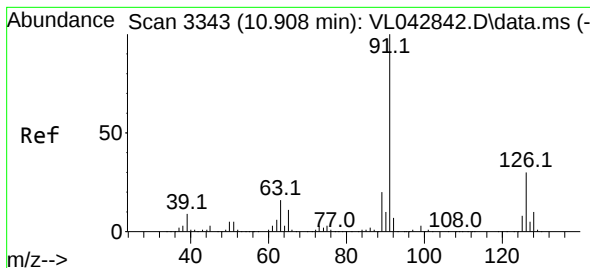
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025



#70  
n-Butylbenzene  
Concen: 8.995 ppbv  
RT: 12.287 min Scan# 3769  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

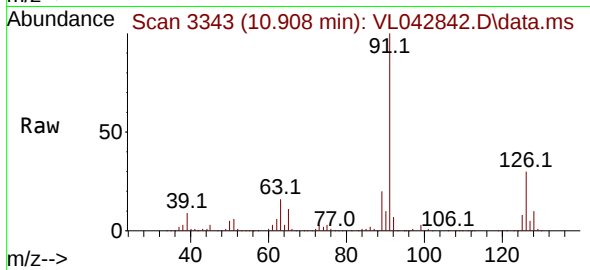
Tgt Ion: 91 Resp: 713713  
Ion Ratio Lower Upper  
91 100  
92 55.7 44.6 66.8  
134 23.7 19.0 28.4





#71  
2-Chlorotoluene  
Concen: 8.981 ppbv  
RT: 10.908 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

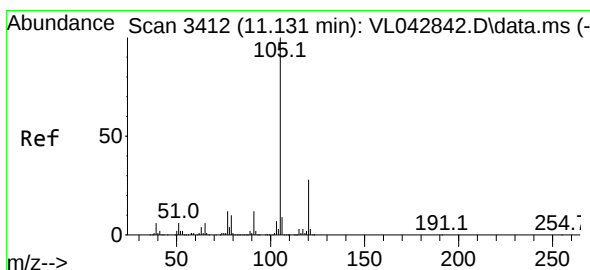
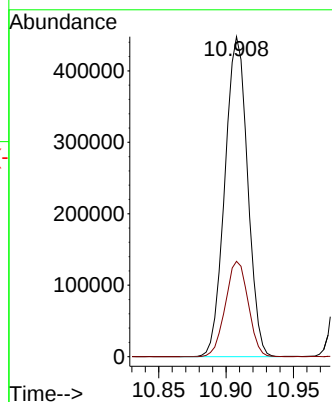
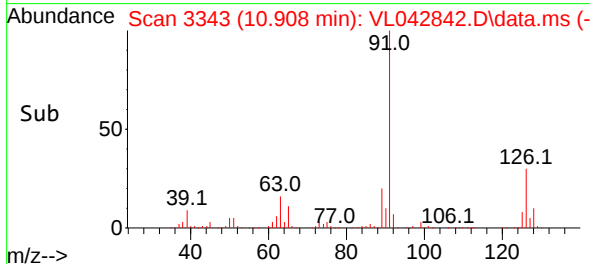
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion: 91 Resp: 52523  
Ion Ratio Lower Upper  
91 100  
126 29.9 12.0 47.8

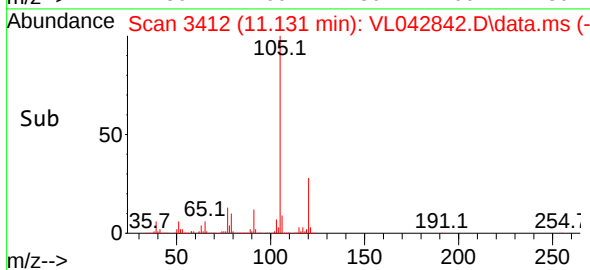
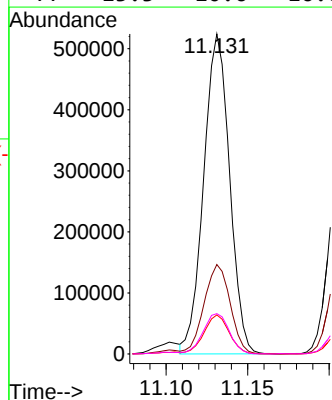
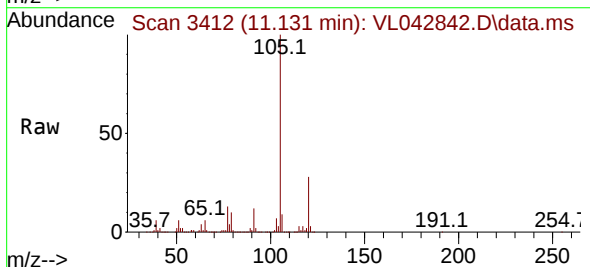
Manual Integrations  
APPROVED

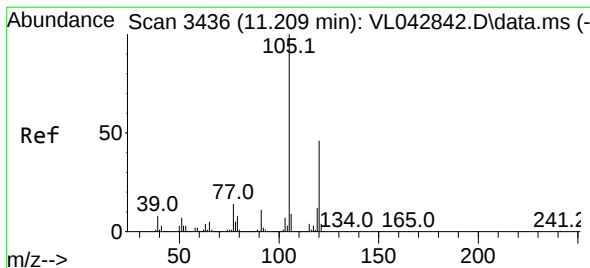
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025



#72  
4-Ethyltoluene  
Concen: 9.267 ppbv  
RT: 11.131 min Scan# 3412  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

Tgt Ion:105 Resp: 578931  
Ion Ratio Lower Upper  
105 100  
120 29.3 23.4 35.2  
91 12.2 9.8 14.6  
77 13.3 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 9.012 ppbv

RT: 11.209 min Scan# 3436

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion:105 Resp: 478784

Ion Ratio Lower Upper

105 100

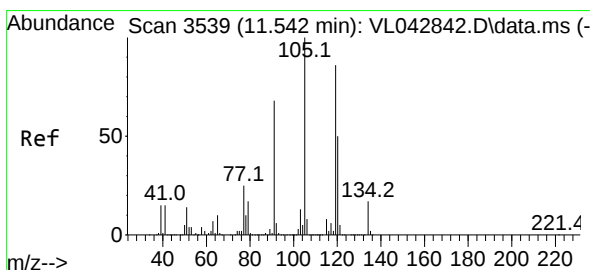
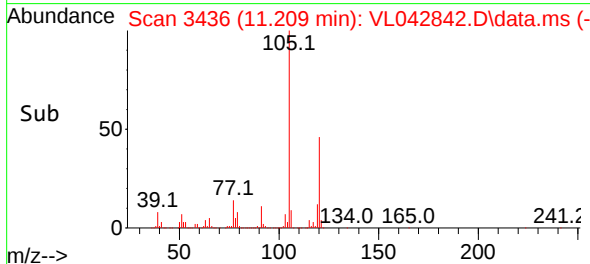
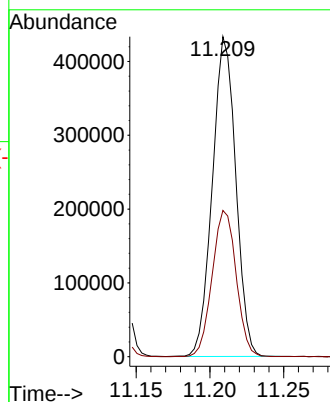
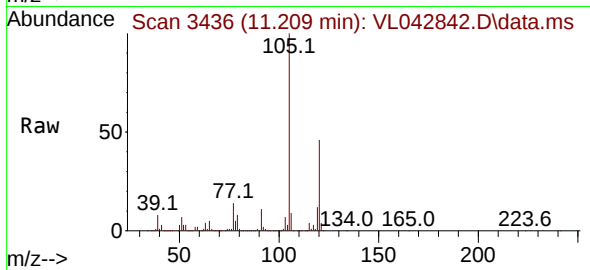
120 45.7 36.6 54.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#74

1,2,4-Trimethylbenzene

Concen: 8.853 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Tgt Ion:105 Resp: 516253

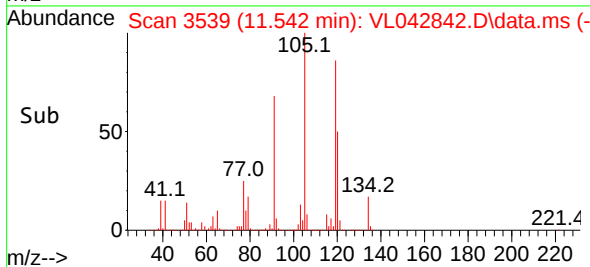
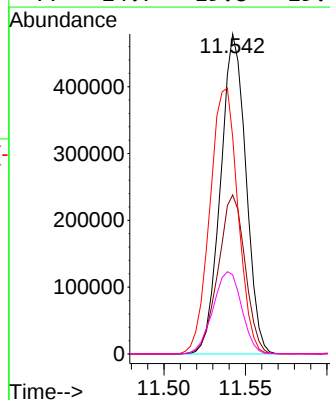
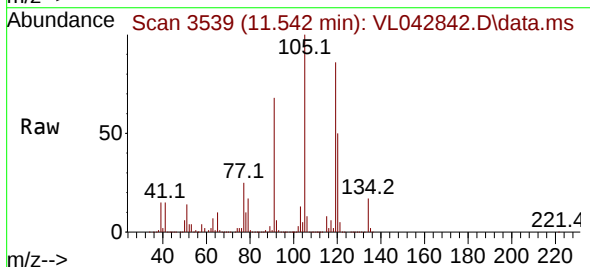
Ion Ratio Lower Upper

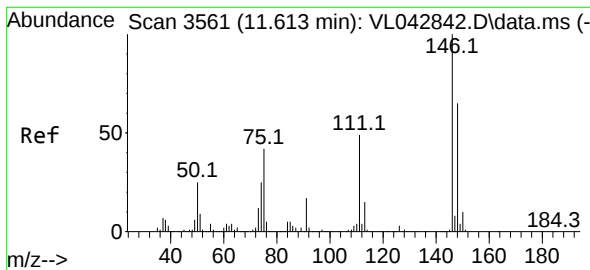
105 100

120 49.7 39.8 59.6

91 67.8 54.2 81.4

77 24.7 19.8 29.6





#75

1,3-Dichlorobenzene

Concen: 9.280 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

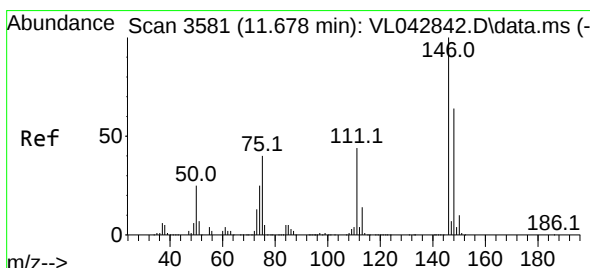
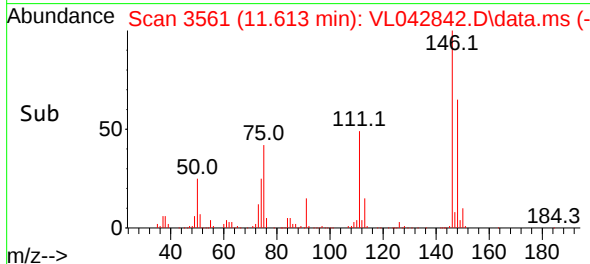
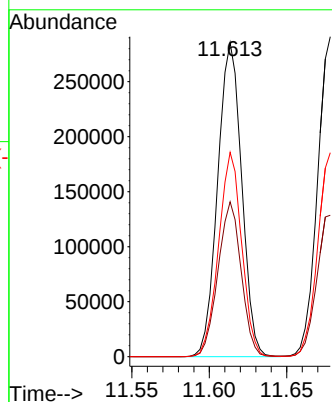
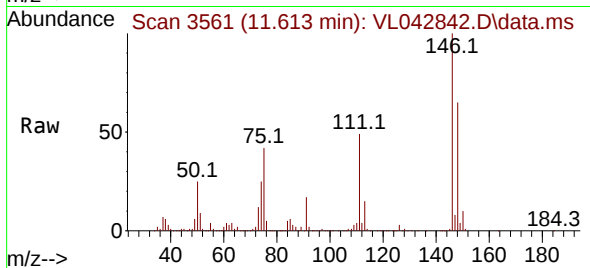
Tgt Ion:146 Resp: 307640

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 47.8  | 23.9  | 71.7  |
| 148 | 62.7  | 31.4  | 94.0  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025



#76

1,4-Dichlorobenzene

Concen: 9.203 ppbv

RT: 11.678 min Scan# 3581

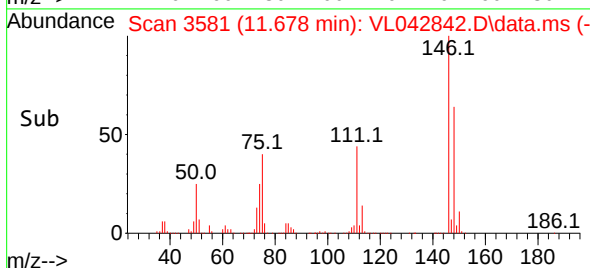
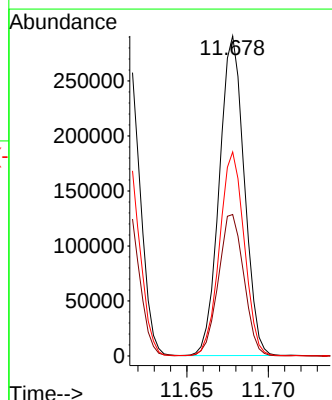
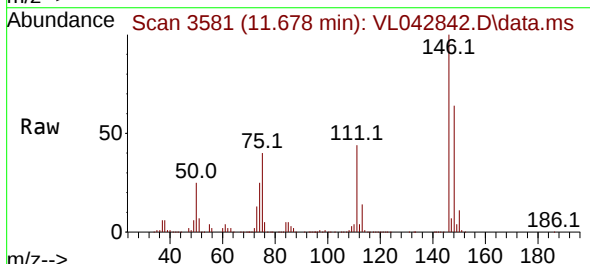
Delta R.T. 0.000 min

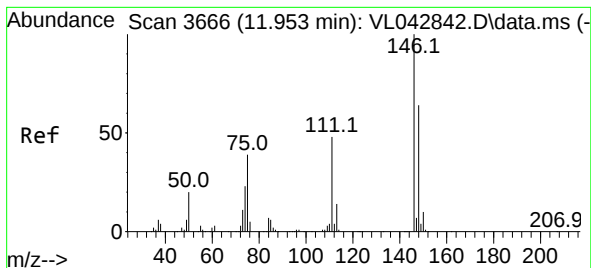
Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Tgt Ion:146 Resp: 308542

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 45.4  | 22.7  | 68.1  |
| 148 | 63.5  | 31.8  | 95.3  |





#77

1,2-Dichlorobenzene

Concen: 8.907 ppbv

RT: 11.953 min Scan# 3666

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion:146 Resp: 289119

Ion Ratio Lower Upper

146 100

111 49.3 24.6 74.0

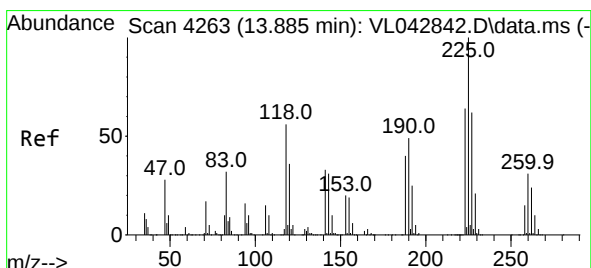
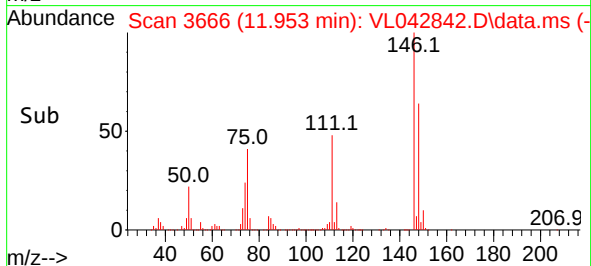
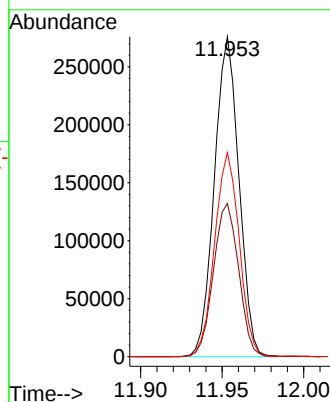
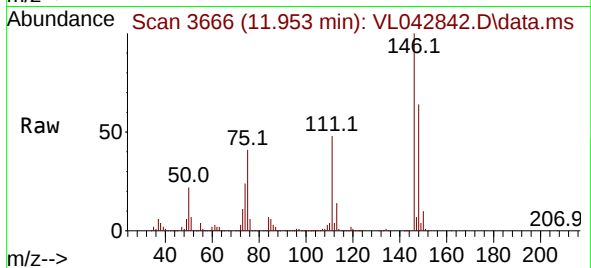
148 64.0 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#78

Hexachloro-1,3-Butadiene

Concen: 7.968 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. 0.000 min

Lab File: VL042842.D

Acq: 13 Aug 2025 08:30

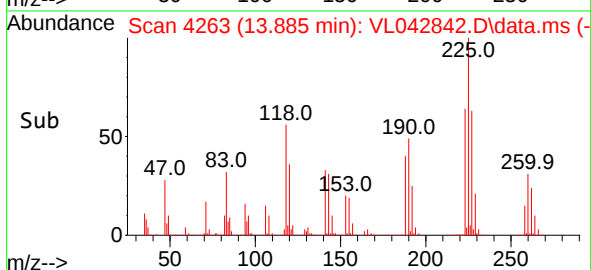
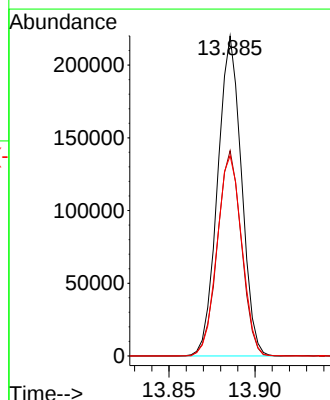
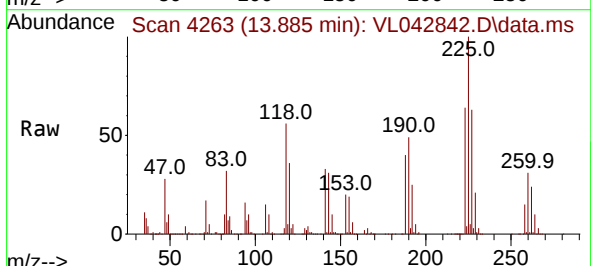
Tgt Ion:225 Resp: 211996

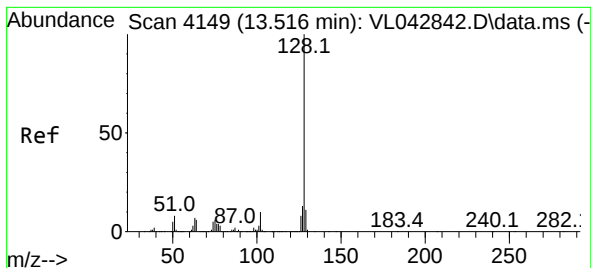
Ion Ratio Lower Upper

225 100

223 64.3 51.4 77.2

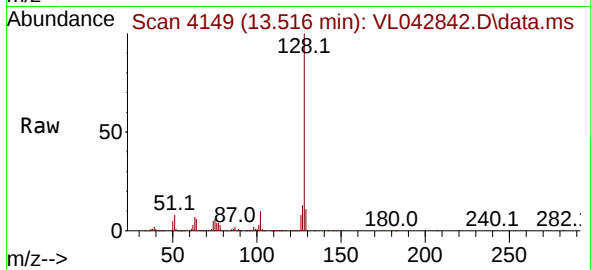
227 64.9 51.9 77.9





#79  
Naphthalene  
Concen: 9.335 ppbv  
RT: 13.516 min Scan# 4149  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

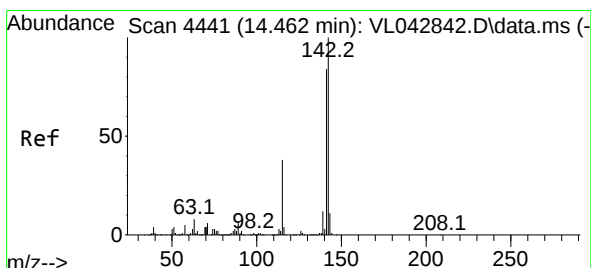
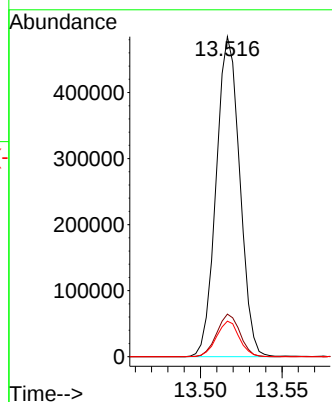
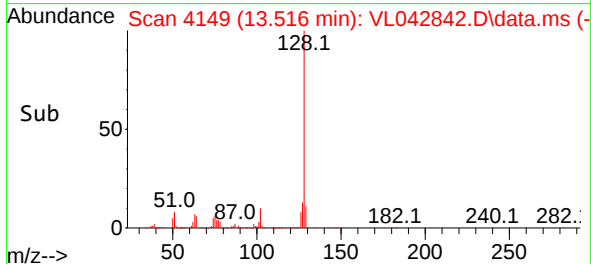
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010



Tgt Ion:128 Resp: 487174  
Ion Ratio Lower Upper  
128 100  
127 13.3 10.6 16.0  
129 11.1 8.9 13.3

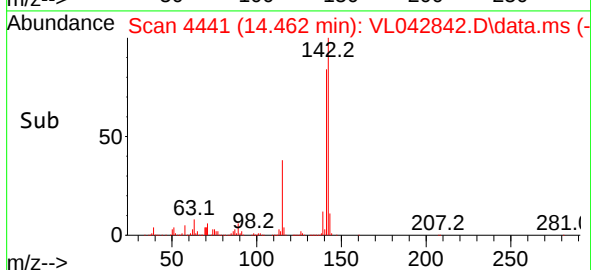
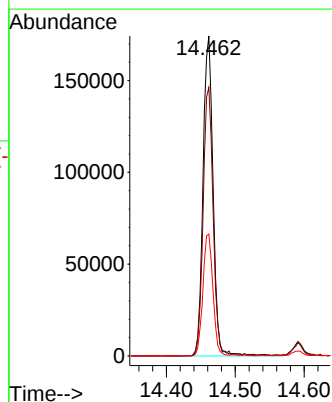
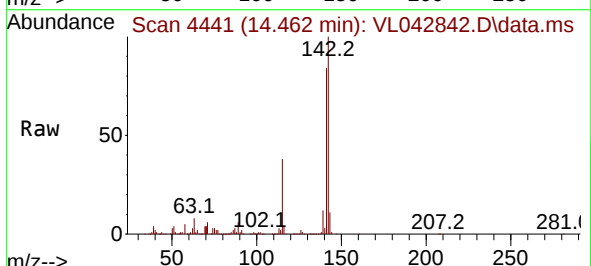
Manual Integrations  
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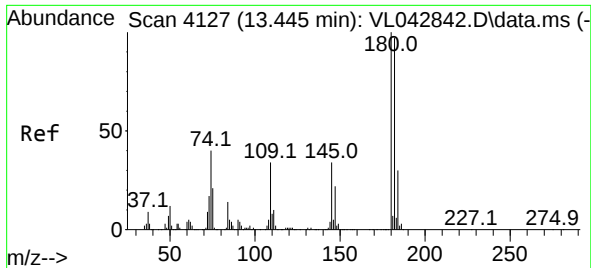
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025



#80  
Naphthalene,2-methyl-  
Concen: 9.000 ppbv  
RT: 14.462 min Scan# 4441  
Delta R.T. 0.000 min  
Lab File: VL042842.D  
Acq: 13 Aug 2025 08:30

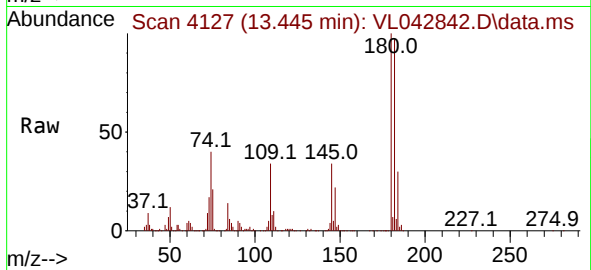
Tgt Ion:142 Resp: 176880  
Ion Ratio Lower Upper  
142 100  
141 83.8 67.0 100.6  
115 38.6 30.9 46.3





#81  
 1,2,4-Trichlorobenzene  
 Concen: 9.220 ppbv  
 RT: 13.445 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: VL042842.D  
 Acq: 13 Aug 2025 08:30

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010



Tgt Ion:180 Resp: 244998  
 Ion Ratio Lower Upper  
 180 100  
 182 96.1 76.9 115.3  
 184 30.6 24.5 36.7

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025  
 Supervised By :Mahesh Dadoda 08/18/2025

