

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL090425\  
 Data File : VL042888.D  
 Acq On : 04 Sep 2025 12:21  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/05/2025  
 Supervised By : Mahesh Dadoda 09/05/2025

Quant Time: Sep 05 01:20:46 2025

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

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

QLast Update : Thu Aug 14 02:12:54 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.793 | 49   | 126170   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.968 | 114  | 354548   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.891 | 117  | 305322   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.387 95 238170 10.401 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.000%

Target Compounds

|                               |       |     |        |        |        | Qvalue |
|-------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.502 | 85  | 193328 | 10.455 | ppbv   | 100    |
| 3) Chlorodifluoromethane      | 1.479 | 51  | 217495 | 10.641 | ppbv   | 100    |
| 4) Chloromethane              | 1.538 | 50  | 76287  | 10.223 | ppbv   | 99     |
| 5) Vinyl Chloride             | 1.583 | 62  | 68873  | 9.372  | ppbv   | 99     |
| 6) Bromomethane               | 1.670 | 94  | 28366  | 9.653  | ppbv   | 94     |
| 7) Chloroethane               | 1.709 | 64  | 26816  | 9.344  | ppbv   | 90     |
| 8) Dichlorotetrafluoroethane  | 1.557 | 85  | 156776 | 10.361 | ppbv   | 94     |
| 9) Propene                    | 1.486 | 41  | 84339  | 9.555  | ppbv   | 97     |
| 10) Heptane                   | 4.994 | 43  | 227172 | 9.609  | ppbv   | 99     |
| 11) Trichlorofluoromethane    | 1.881 | 101 | 180337 | 9.885  | ppbv   | 94     |
| 12) 1,1,2-Trichlorotrifluo... | 2.146 | 101 | 145704 | 10.020 | ppbv   | 96     |
| 13) Ethanol                   | 1.725 | 45  | 6319   | 7.829  | ppbv   | 92     |
| 14) Bromoethene               | 1.787 | 108 | 50855  | 9.661  | ppbv   | 97     |
| 15) Acetone                   | 1.839 | 43  | 140571 | 8.422  | ppbv   | 98     |
| 16) 1,3-Butadiene             | 1.612 | 39  | 67467  | 8.917  | ppbv   | 98     |
| 17) tert-Butyl alcohol        | 2.046 | 59  | 172174 | 8.699  | ppbv   | 98     |
| 18) 1,1-Dichloroethene        | 2.039 | 96  | 64265  | 10.053 | ppbv   | 96     |
| 19) Isopropyl Alcohol         | 1.890 | 45  | 88687  | 8.897  | ppbv   | 97     |
| 20) Methylene Chloride        | 2.065 | 84  | 56482  | 8.079  | ppbv   | 92     |
| 21) Allyl Chloride            | 2.101 | 41  | 111750 | 9.478  | ppbv   | 96     |
| 22) trans-1,2-Dichloroethene  | 2.347 | 96  | 72316  | 9.778  | ppbv   | 96     |
| 23) Vinyl Acetate             | 2.470 | 43  | 240753 | 10.491 | ppbv   | 99     |
| 24) 1,1-Dichloroethane        | 2.415 | 63  | 144798 | 9.803  | ppbv   | 99     |
| 25) Ethyl Acetate             | 2.842 | 43  | 402614 | 9.967  | ppbv   | 98     |
| 26) Hexane                    | 2.832 | 57  | 184675 | 9.905  | ppbv   | 96     |
| 27) Carbon Disulfide          | 2.156 | 76  | 186403 | 10.273 | ppbv   | 98     |
| 28) Methyl tert-Butyl Ether   | 2.447 | 73  | 90259  | 9.494  | ppbv   | 94     |
| 29) Chloroform                | 2.855 | 83  | 280390 | 10.533 | ppbv   | 99     |
| 30) Cyclohexane               | 3.868 | 84  | 154459 | 9.449  | ppbv   | 98     |
| 31) cis-1,2-Dichloroethene    | 2.729 | 61  | 185311 | 9.950  | ppbv   | 97     |
| 32) 1,1,1-Trichloroethane     | 3.376 | 97  | 282844 | 10.053 | ppbv   | 99     |
| 34) 2-Butanone                | 2.564 | 43  | 267855 | 11.188 | ppbv   | 99     |
| 35) Carbon Tetrachloride      | 3.774 | 117 | 277458 | 11.351 | ppbv   | 97     |
| 36) Benzene                   | 3.667 | 78  | 368328 | 10.849 | ppbv   | 98     |
| 37) 1,2-Dichloroethane        | 3.227 | 62  | 216745 | 12.220 | ppbv   | 97     |
| 38) Trichloroethene           | 4.561 | 130 | 155001 | 9.997  | ppbv   | 92     |
| 39) 1,2-Dichloropropane       | 4.324 | 63  | 135713 | 10.945 | ppbv   | 95     |
| 40) 1,4-Dioxane               | 4.596 | 88  | 57426  | 9.739  | ppbv # | 89     |
| 41) Tetrahydrofuran           | 3.062 | 42  | 144304 | 10.811 | ppbv   | 98     |
| 42) Bromodichloromethane      | 4.502 | 83  | 312742 | 11.832 | ppbv   | 98     |
| 43) Methyl Methacrylate       | 4.897 | 69  | 142269 | 10.172 | ppbv   | 97     |
| 44) 2,2,4-Trimethylpentane    | 4.654 | 57  | 616871 | 10.705 | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 6.431 | 75  | 162419 | 10.290 | ppbv   | 100    |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL090425\  
 Data File : VL042888.D  
 Acq On : 04 Sep 2025 12:21  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/05/2025  
 Supervised By : Mahesh Dadoda 09/05/2025

Quant Time: Sep 05 01:20:46 2025

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

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

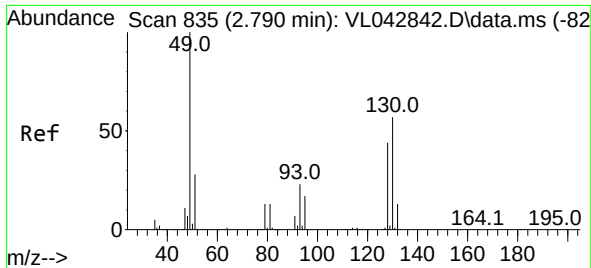
QLast Update : Thu Aug 14 02:12:54 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.619  | 75   | 208989   | 10.626 | ppbv   | 99       |
| 47) 1,1,2-Trichloroethane     | 6.596  | 97   | 143562   | 10.928 | ppbv   | 98       |
| 48) Dibromochloromethane      | 7.402  | 129  | 238088   | 11.199 | ppbv   | 99       |
| 49) Bromoform                 | 9.496  | 173  | 186758   | 10.652 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.768  | 43   | 352340   | 10.888 | ppbv   | 98       |
| 51) 2-Hexanone                | 7.448  | 43   | 281377   | 11.050 | ppbv # | 97       |
| 52) Tetrachloroethene         | 8.237  | 164  | 114794   | 9.346  | ppbv   | 93       |
| 53) Toluene                   | 6.946  | 91   | 415989   | 10.306 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 7.665  | 107  | 207852   | 10.826 | ppbv   | 98       |
| 56) 1,1,1,2-Tetrachloroethane | 8.940  | 131  | 172051   | 10.897 | ppbv   | 100      |
| 57) Chlorobenzene             | 8.933  | 112  | 308473   | 10.626 | ppbv   | 95       |
| 58) Ethyl Benzene             | 9.367  | 91   | 575425   | 10.680 | ppbv   | 98       |
| 59) m/p-Xylene                | 9.564  | 91   | 928810m  | 21.993 | ppbv   |          |
| 60) o-Xylene                  | 9.975  | 91   | 466103   | 10.972 | ppbv   | 98       |
| 61) Styrene                   | 9.885  | 104  | 201466   | 10.122 | ppbv   | 99       |
| 62) Isopropylbenzene          | 10.548 | 105  | 663141   | 10.681 | ppbv   | 98       |
| 63) 1,1,2,2-Tetrachloroethane | 9.975  | 83   | 264816   | 11.335 | ppbv   | 98       |
| 64) n-propylbenzene           | 10.998 | 120  | 167388   | 10.567 | ppbv   | 92       |
| 65) tert-Butylbenzene         | 11.539 | 119  | 573769   | 10.483 | ppbv   | 95       |
| 66) Benzyl Chloride           | 11.623 | 91   | 52019    | 7.487  | ppbv   | 97       |
| 67) sec-Butylbenzene          | 11.775 | 105  | 835362   | 10.874 | ppbv   | 98       |
| 69) p-Isopropyltoluene        | 11.934 | 119  | 675014   | 10.234 | ppbv   | 98       |
| 70) n-Butylbenzene            | 12.290 | 91   | 720311   | 11.012 | ppbv   | 98       |
| 71) 2-Chlorotoluene           | 10.911 | 91   | 510985   | 10.599 | ppbv   | 98       |
| 72) 4-Ethyltoluene            | 11.134 | 105  | 555877   | 10.794 | ppbv   | 98       |
| 73) 1,3,5-Trimethylbenzene    | 11.212 | 105  | 462968   | 10.571 | ppbv   | 98       |
| 74) 1,2,4-Trimethylbenzene    | 11.545 | 105  | 517749   | 10.770 | ppbv   | 98       |
| 75) 1,3-Dichlorobenzene       | 11.616 | 146  | 293988   | 10.758 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 11.681 | 146  | 290294   | 10.504 | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 11.956 | 146  | 285558   | 10.671 | ppbv   | 98       |
| 78) Hexachloro-1,3-Butadiene  | 13.889 | 225  | 175105   | 7.984  | ppbv   | 98       |
| 79) Naphthalene               | 13.520 | 128  | 444012   | 10.188 | ppbv   | 98       |
| 80) Naphthalene,2-methyl-     | 14.465 | 142  | 141188   | 8.670  | ppbv   | 98       |
| 81) 1,2,4-Trichlorobenzene    | 13.448 | 180  | 216348   | 9.877  | ppbv   | 99       |

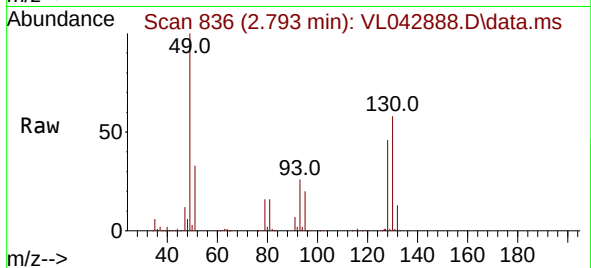
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.793 min Scan# 835  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

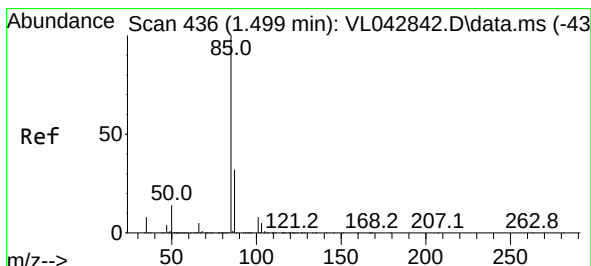
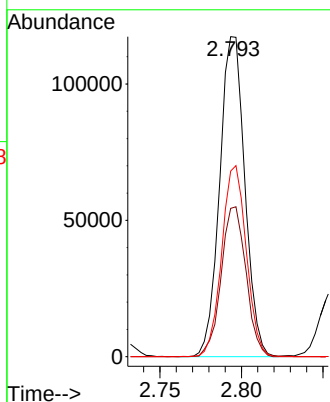
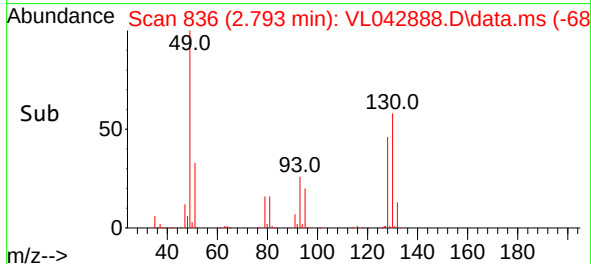
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



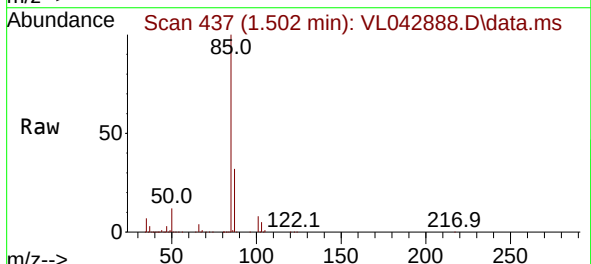
Tgt Ion: 49 Resp: 126170  
Ion Ratio Lower Upper  
49 100  
128 46.1 23.7 71.1  
130 58.3 30.6 91.6

Manual Integrations  
APPROVED

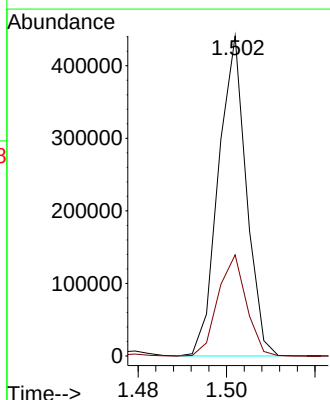
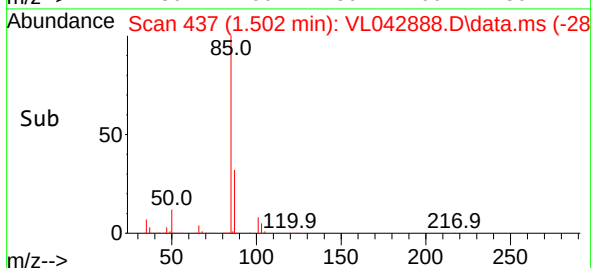
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025

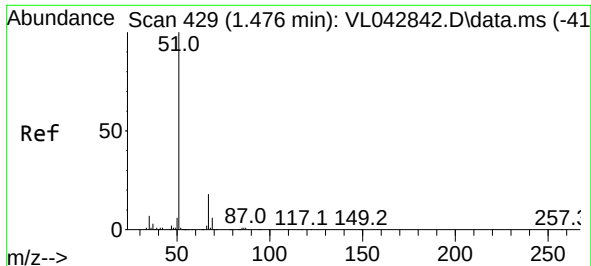


#2  
Dichlorodifluoromethane  
Concen: 10.455 ppbv  
RT: 1.502 min Scan# 437  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21



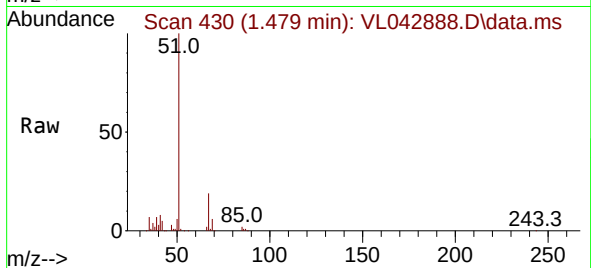
Tgt Ion: 85 Resp: 193328  
Ion Ratio Lower Upper  
85 100  
87 31.6 25.3 37.9





#3  
Chlorodifluoromethane  
Concen: 10.641 ppbv  
RT: 1.479 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

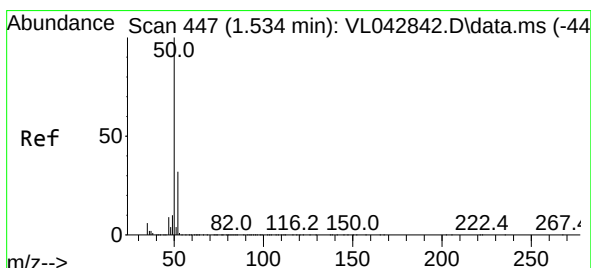
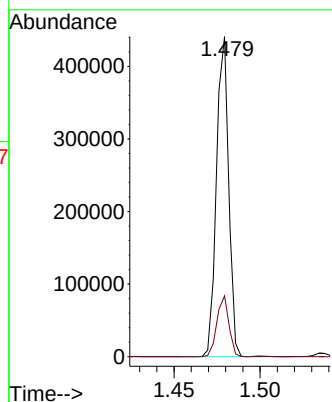
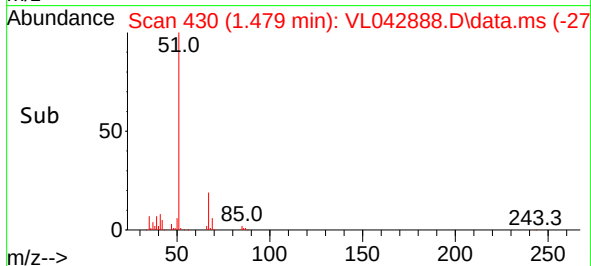
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



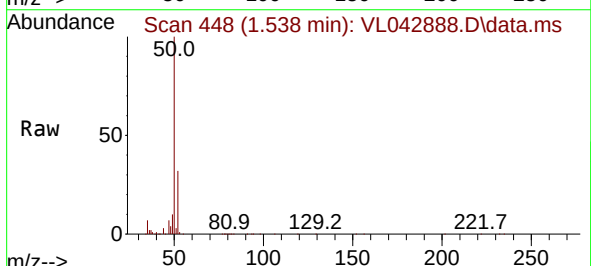
Tgt Ion: 51 Resp: 21749  
Ion Ratio Lower Upper  
51 100  
67 18.7 14.9 22.3

Manual Integrations  
APPROVED

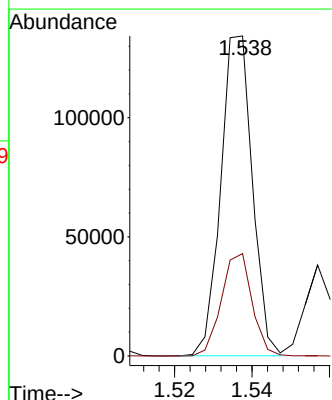
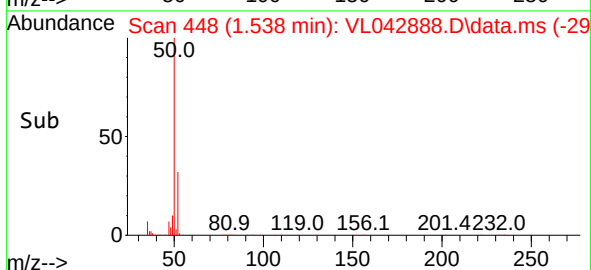
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025

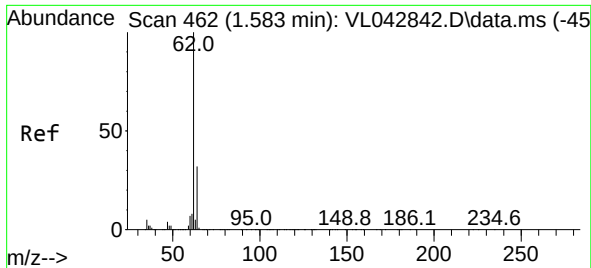


#4  
Chloromethane  
Concen: 10.223 ppbv  
RT: 1.538 min Scan# 448  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21



Tgt Ion: 50 Resp: 76287  
Ion Ratio Lower Upper  
50 100  
52 32.0 25.9 38.9





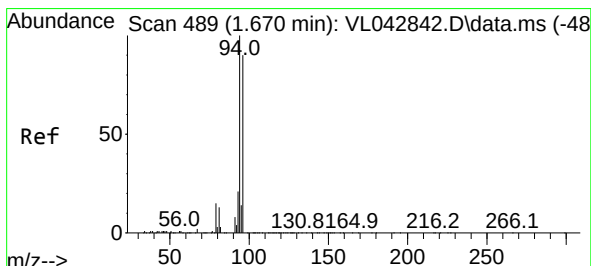
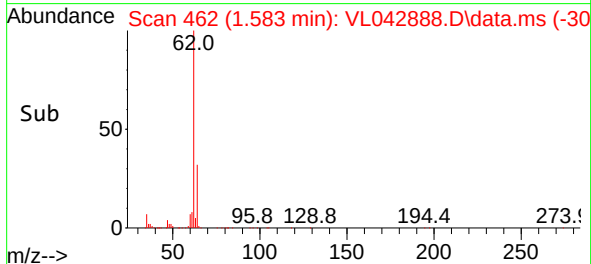
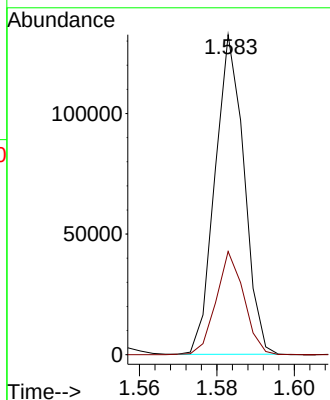
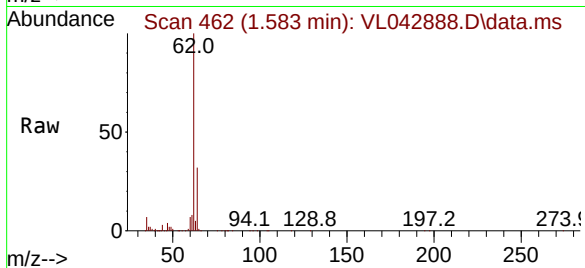
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 Vinyl Chloride  
 Concen: 9.372 ppbv  
 RT: 1.583 min Scan# 462  
 Delta R.T. -0.000 min  
 Lab File: VL042888.D  
 Acq: 04 Sep 2025 12:21

Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDCCC010

Tgt Ion: 62 Resp: 6887  
 Ion Ratio Lower Upper  
 62 100  
 64 32.2 25.4 38.2

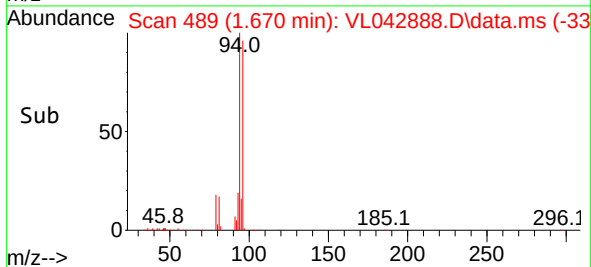
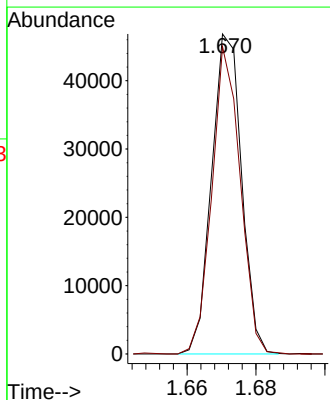
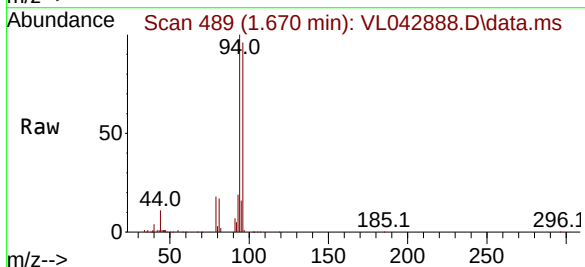
Manual Integrations  
 APPROVED

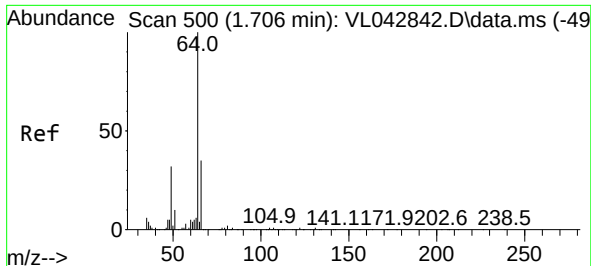
Reviewed By :Semsettin Yesilyurt 09/05/2025  
 Supervised By :Mahesh Dadoda 09/05/2025



#6  
 Bromomethane  
 Concen: 9.653 ppbv  
 RT: 1.670 min Scan# 489  
 Delta R.T. -0.000 min  
 Lab File: VL042888.D  
 Acq: 04 Sep 2025 12:21

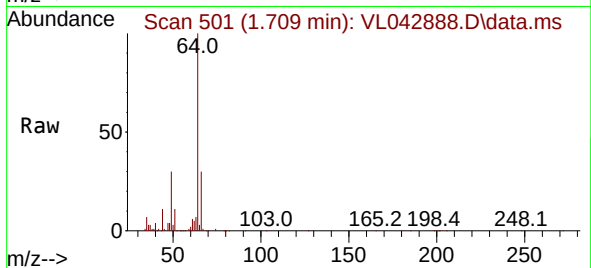
Tgt Ion: 94 Resp: 28366  
 Ion Ratio Lower Upper  
 94 100  
 96 96.0 72.1 108.1





#7  
Chloroethane  
Concen: 9.344 ppbv  
RT: 1.709 min Scan# 500  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

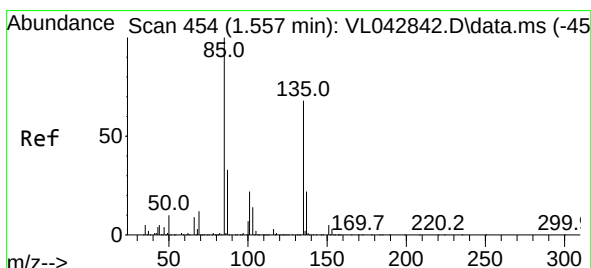
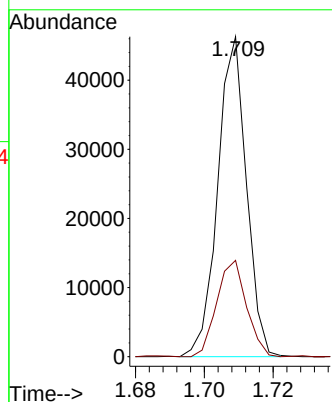
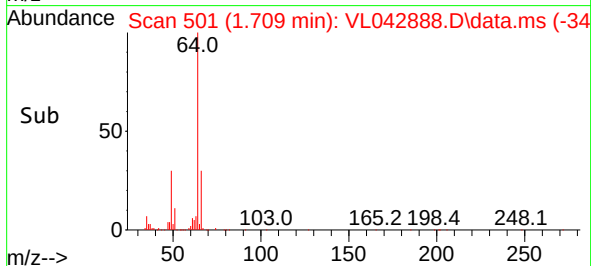
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 64 Resp: 26810  
Ion Ratio Lower Upper  
64 100  
66 30.1 28.6 42.8

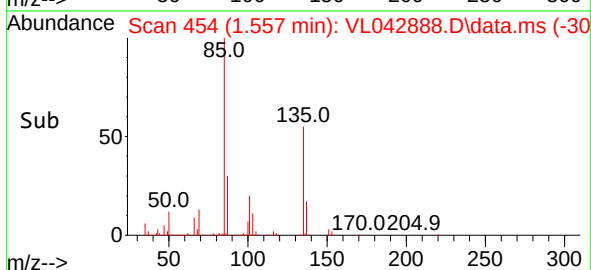
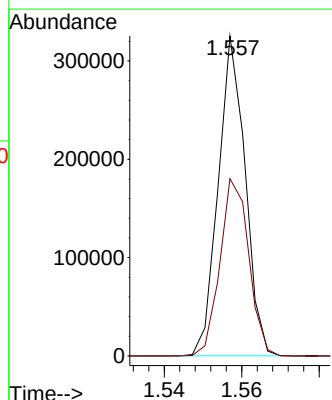
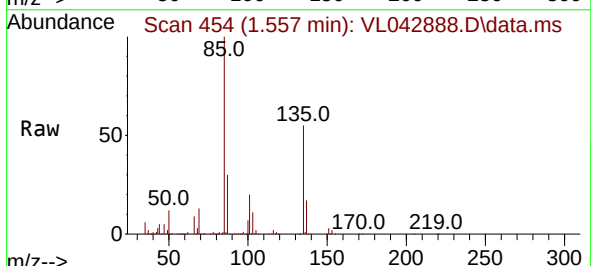
Manual Integrations  
APPROVED

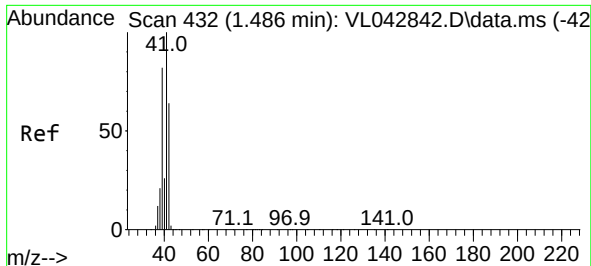
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025



#8  
Dichlorotetrafluoroethane  
Concen: 10.361 ppbv  
RT: 1.557 min Scan# 454  
Delta R.T. -0.000 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

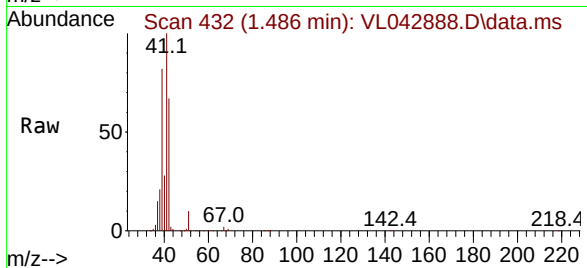
Tgt Ion: 85 Resp: 156776  
Ion Ratio Lower Upper  
85 100  
135 59.3 51.2 76.8





#9  
Propene  
Concen: 9.555 ppbv  
RT: 1.486 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

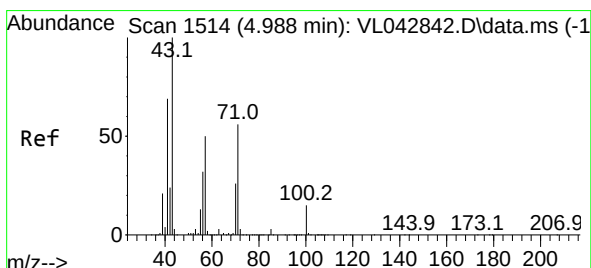
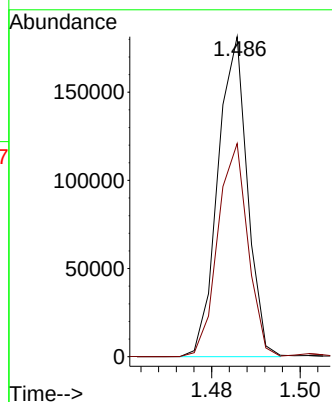
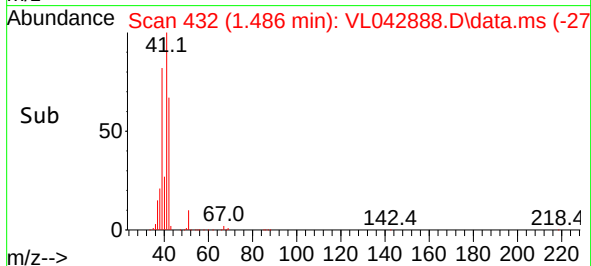
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



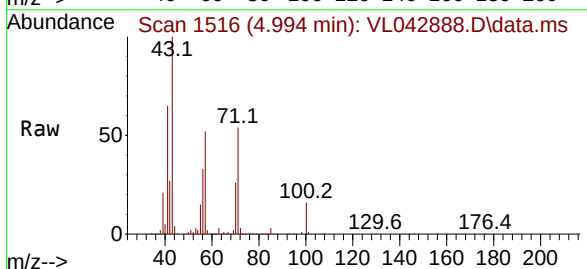
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Ion Ratio Lower Upper  
41 100  
42 68.8 53.0 79.4

Manual Integrations  
APPROVED

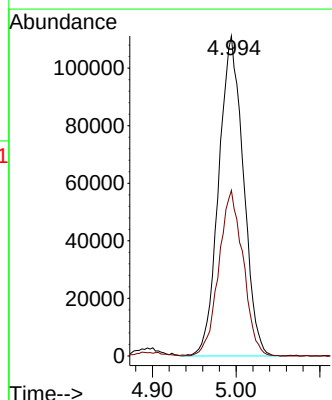
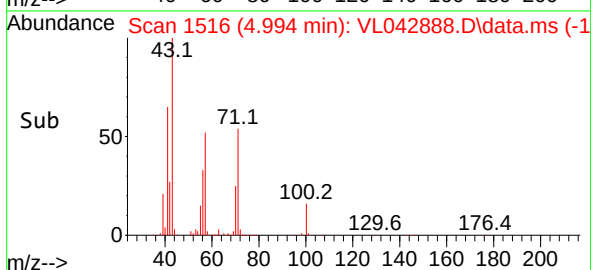
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025



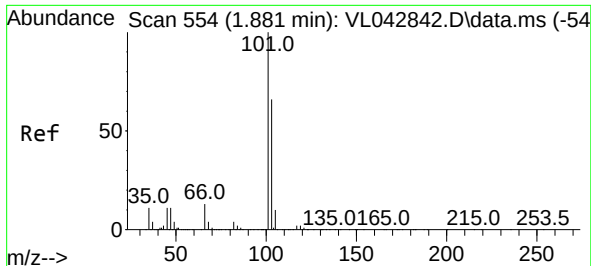
#10  
Heptane  
Concen: 9.609 ppbv  
RT: 4.994 min Scan# 1516  
Delta R.T. 0.006 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21



Tgt Ion: 43 Resp: 227172  
Ion Ratio Lower Upper  
43 100  
57 51.0 41.4 62.0







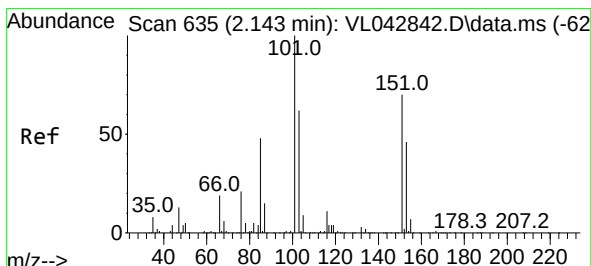
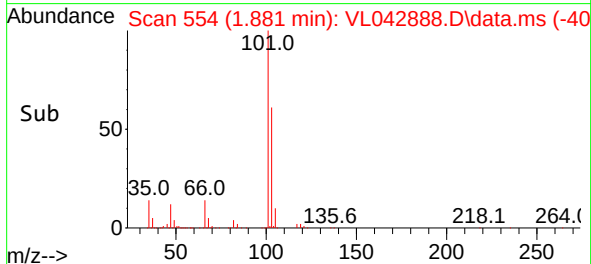
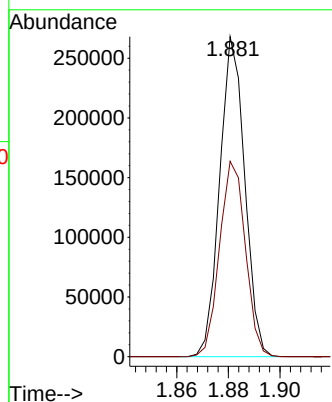
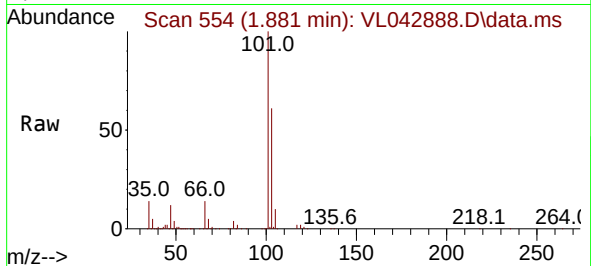
#11  
Trichlorofluoromethane  
Concen: 9.885 ppbv  
RT: 1.881 min Scan# 511  
Delta R.T. -0.000 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion:101 Resp: 180337  
Ion Ratio Lower Upper  
101 100  
103 61.1 52.5 78.7

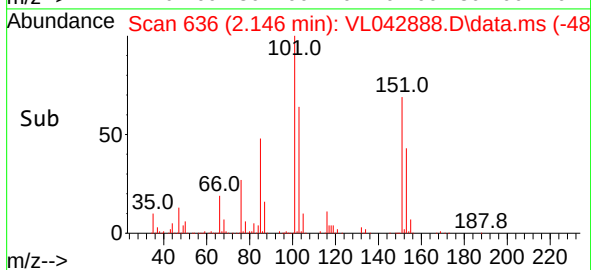
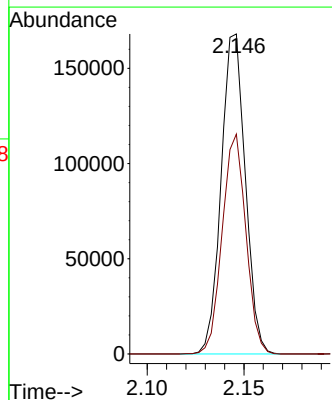
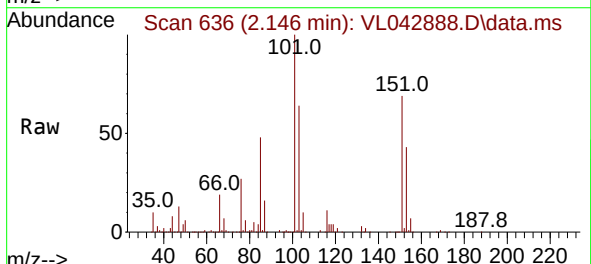
Manual Integrations  
APPROVED

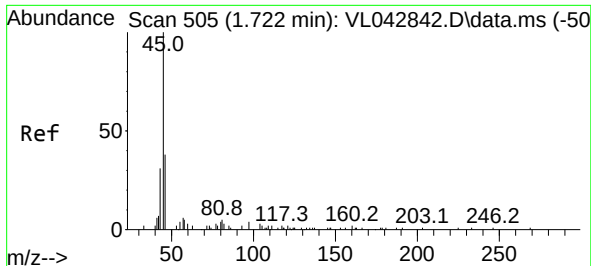
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025



#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 10.020 ppbv  
RT: 2.146 min Scan# 636  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

Tgt Ion:101 Resp: 145704  
Ion Ratio Lower Upper  
101 100  
151 67.3 56.4 84.6





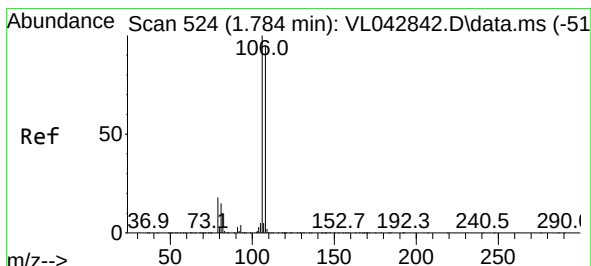
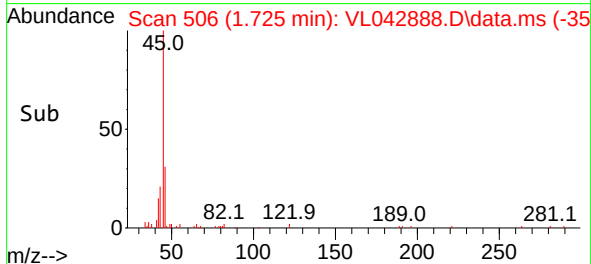
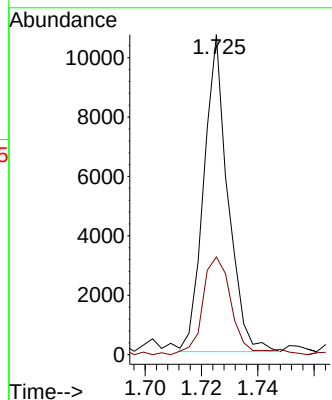
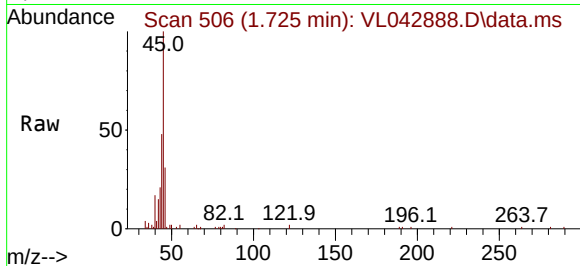
#13  
Ethanol  
Concen: 7.829 ppbv  
RT: 1.725 min Scan# 505  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 45 Resp: 6319  
Ion Ratio Lower Upper  
45 100  
46 38.6 17.5 69.9

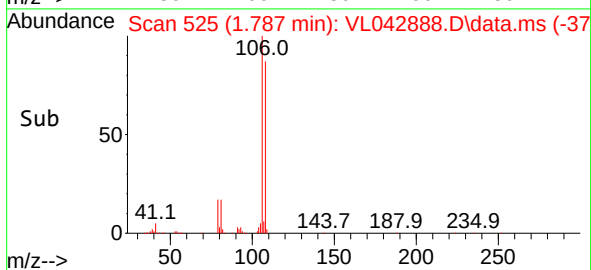
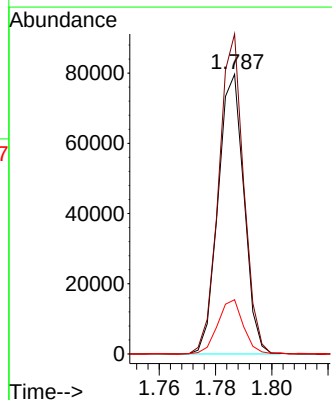
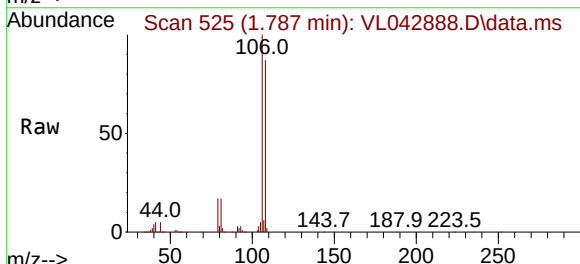
Manual Integrations  
APPROVED

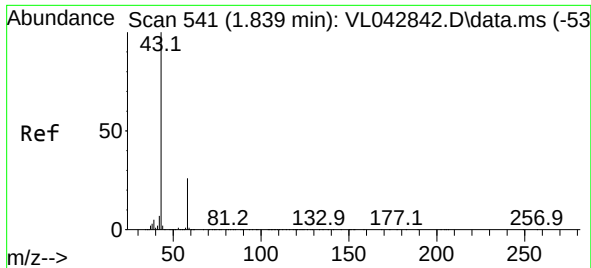
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025



#14  
Bromoethene  
Concen: 9.661 ppbv  
RT: 1.787 min Scan# 525  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

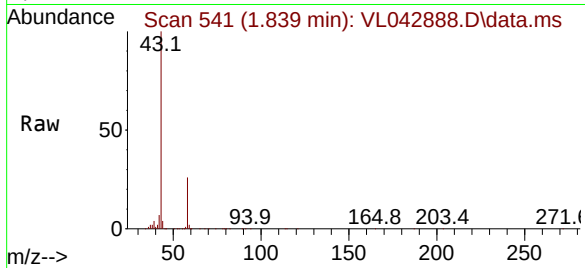
Tgt Ion:108 Resp: 50855  
Ion Ratio Lower Upper  
108 100  
106 110.1 85.1 127.7  
79 19.6 16.3 24.5





#15  
Acetone  
Concen: 8.422 ppbv  
RT: 1.839 min Scan# 541  
Delta R.T. -0.000 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

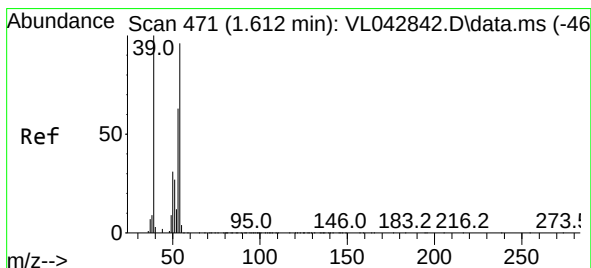
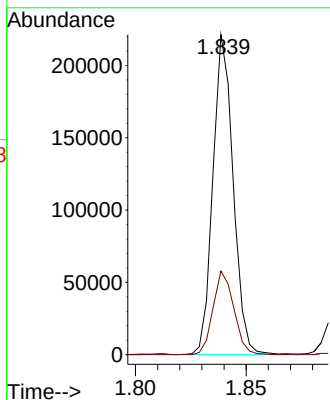
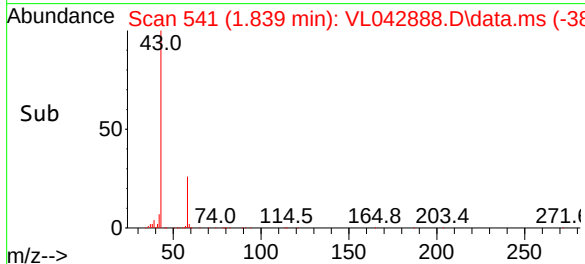
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



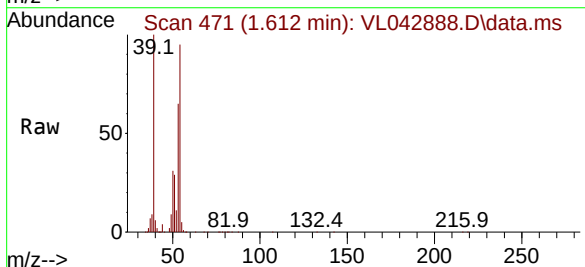
Tgt Ion: 43 Resp: 14057  
Ion Ratio Lower Upper  
43 100  
58 27.1 22.4 33.6

Manual Integrations  
APPROVED

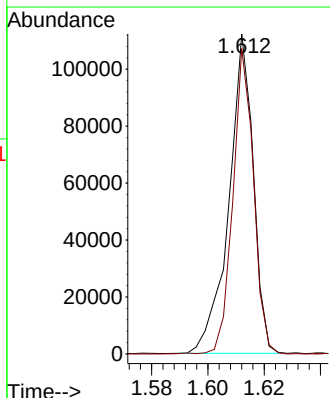
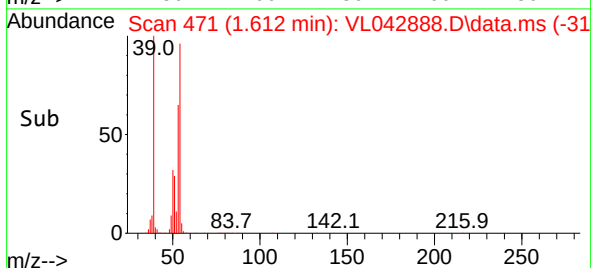
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025

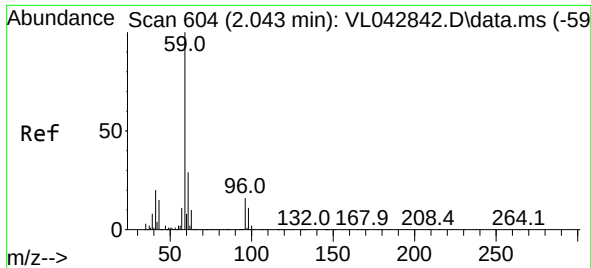


#16  
1,3-Butadiene  
Concen: 8.917 ppbv  
RT: 1.612 min Scan# 471  
Delta R.T. -0.000 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21



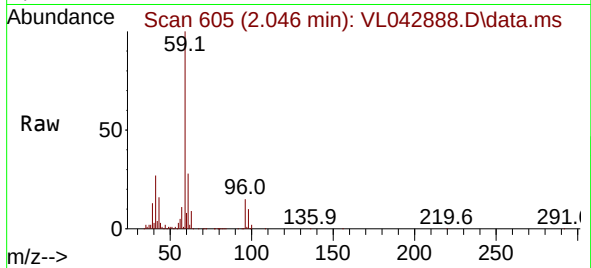
Tgt Ion: 39 Resp: 67467  
Ion Ratio Lower Upper  
39 100  
54 80.9 63.6 95.4





#17  
tert-Butyl alcohol  
Concen: 8.699 ppbv  
RT: 2.046 min Scan# 604  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

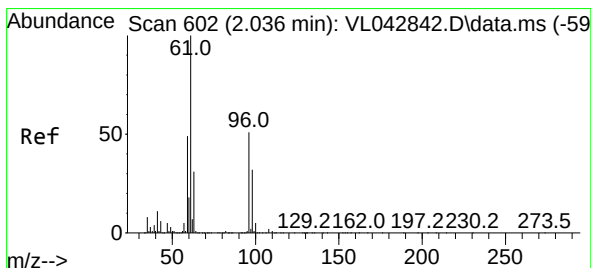
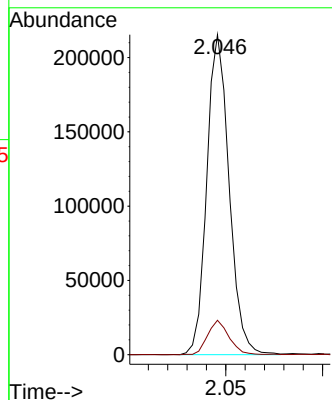
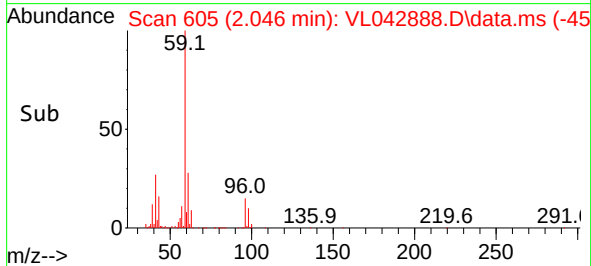
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 59 Resp: 172174  
Ion Ratio Lower Upper  
59 100  
57 10.5 9.0 13.4

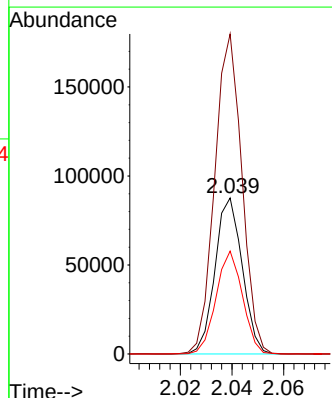
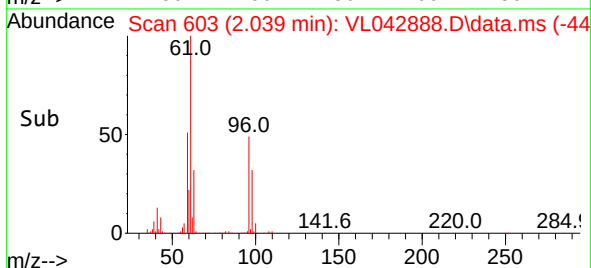
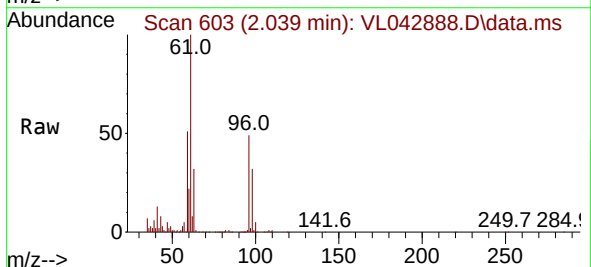
Manual Integrations  
APPROVED

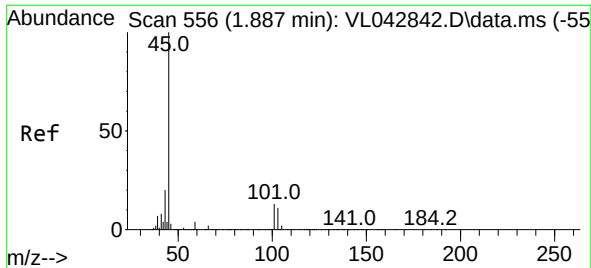
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025



#18  
1,1-Dichloroethene  
Concen: 10.053 ppbv  
RT: 2.039 min Scan# 603  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

Tgt Ion: 96 Resp: 64265  
Ion Ratio Lower Upper  
96 100  
61 204.9 158.2 237.4  
98 65.9 50.6 76.0





#19

Isopropyl Alcohol

Concen: 8.897 ppbv

RT: 1.890 min Scan# 556

Delta R.T. 0.003 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 45 Resp: 8868

Ion Ratio Lower Upper

45 100

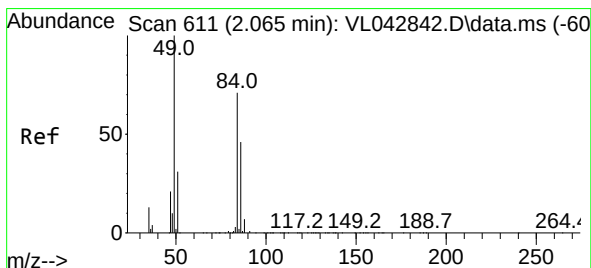
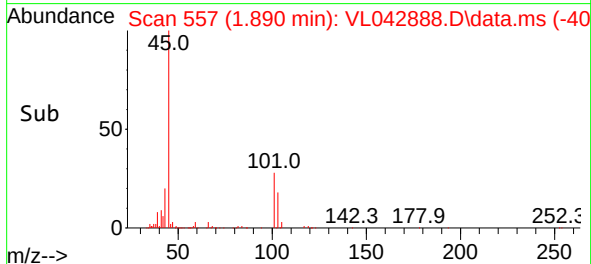
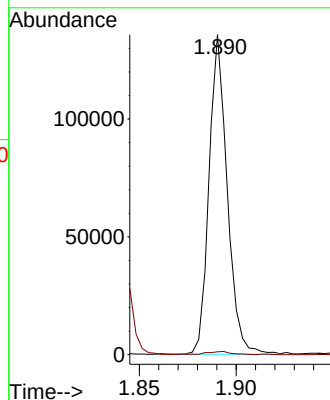
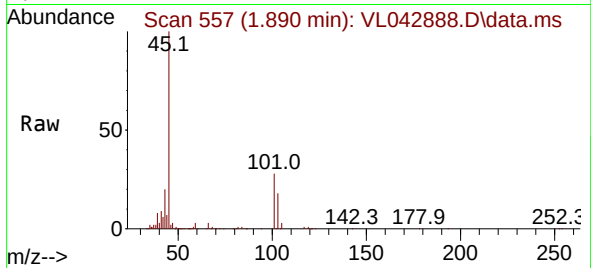
58 42.9 32.7 49.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/05/2025

Supervised By :Mahesh Dadoda 09/05/2025



#20

Methylene Chloride

Concen: 8.079 ppbv

RT: 2.065 min Scan# 611

Delta R.T. -0.000 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

Tgt Ion: 84 Resp: 56482

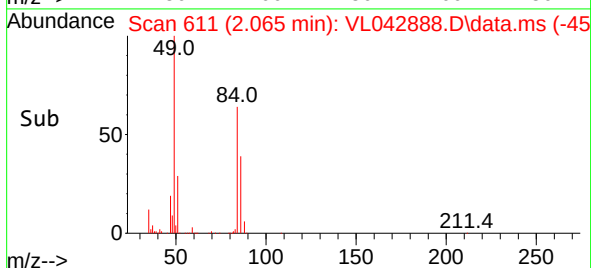
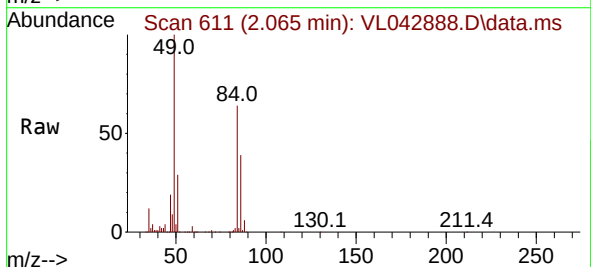
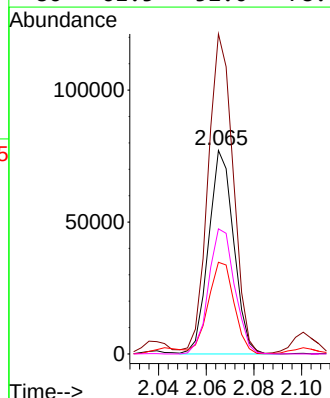
Ion Ratio Lower Upper

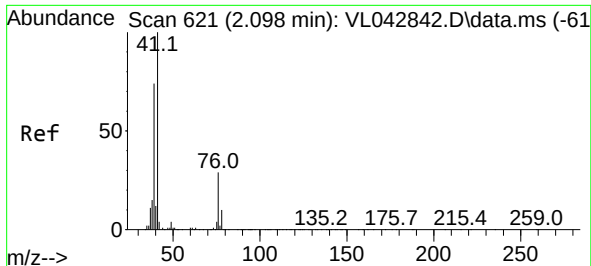
84 100

49 155.8 112.3 168.5

51 44.5 36.0 54.0

86 61.5 52.0 78.0





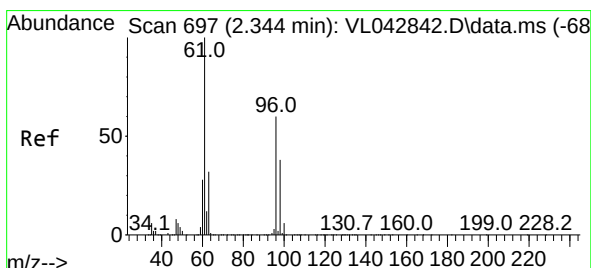
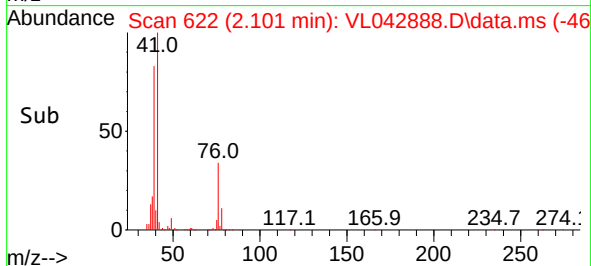
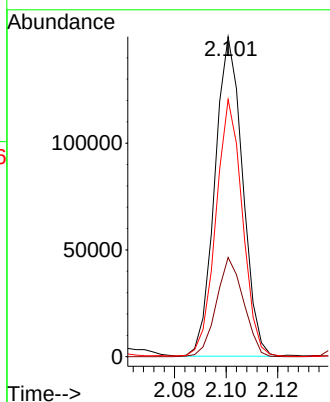
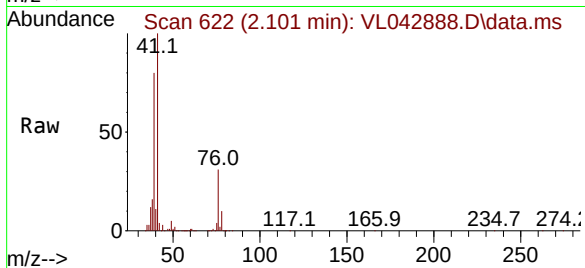
#21  
 Allyl Chloride  
 Concen: 9.478 ppbv  
 RT: 2.101 min Scan# 611  
 Delta R.T. 0.003 min  
 Lab File: VL042888.D  
 Acq: 04 Sep 2025 12:21

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Tgt Ion: 41 Resp: 111750  
 Ion Ratio Lower Upper  
 41 100  
 76 30.4 23.9 35.9  
 39 76.4 57.8 86.6

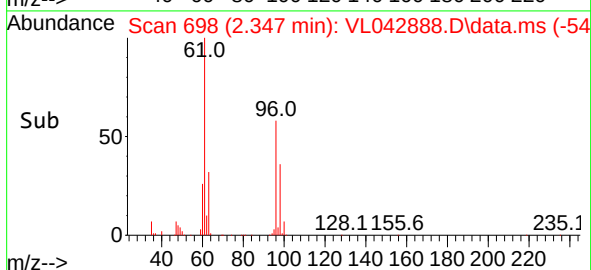
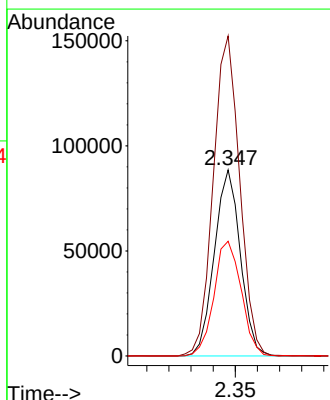
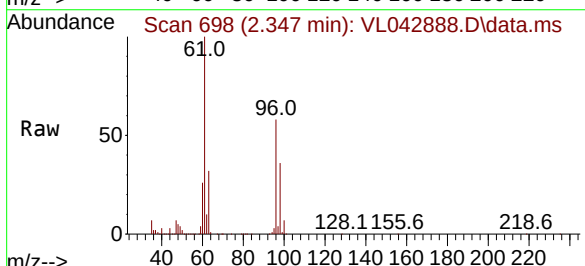
Manual Integrations  
 APPROVED

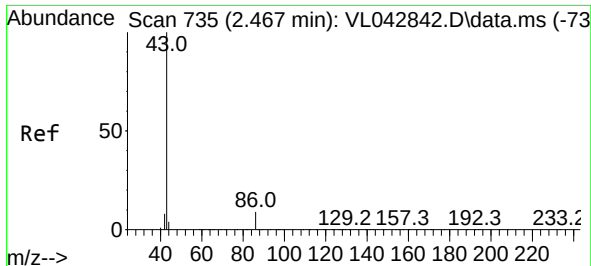
Reviewed By :Semsettin Yesilyurt 09/05/2025  
 Supervised By :Mahesh Dadoda 09/05/2025



#22  
 trans-1,2-Dichloroethene  
 Concen: 9.778 ppbv  
 RT: 2.347 min Scan# 698  
 Delta R.T. 0.003 min  
 Lab File: VL042888.D  
 Acq: 04 Sep 2025 12:21

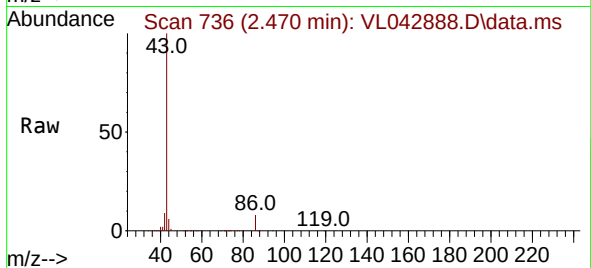
Tgt Ion: 96 Resp: 72316  
 Ion Ratio Lower Upper  
 96 100  
 61 171.9 132.6 199.0  
 98 61.6 50.0 75.0





#23  
 Vinyl Acetate  
 Concen: 10.491 ppbv  
 RT: 2.470 min Scan# 719  
 Delta R.T. 0.003 min  
 Lab File: VL042888.D  
 Acq: 04 Sep 2025 12:21

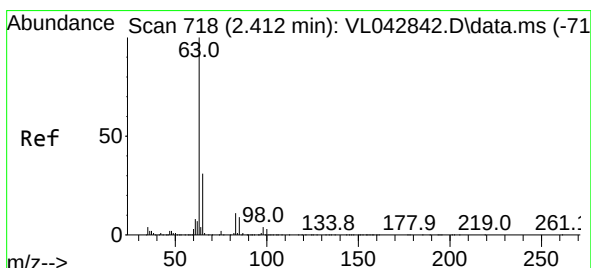
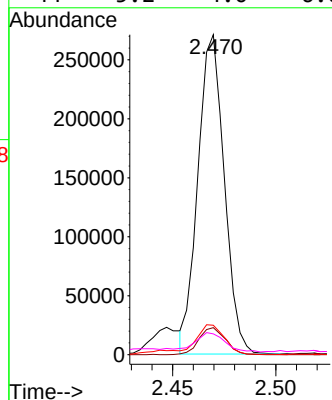
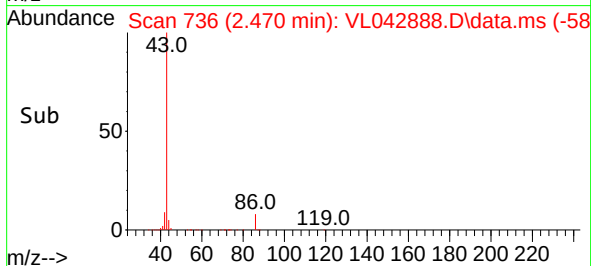
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



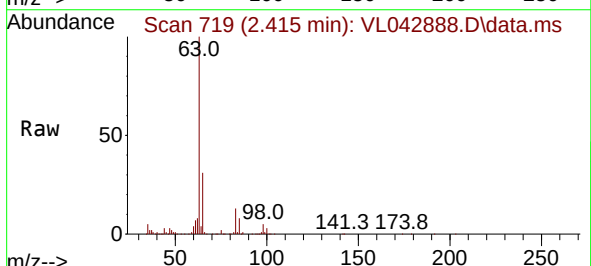
Tgt Ion: 43 Resp: 24075  
 Ion Ratio Lower Upper  
 43 100  
 86 8.5 6.6 9.8  
 42 9.2 7.0 10.6  
 44 5.2 4.0 6.0

Manual Integrations  
 APPROVED

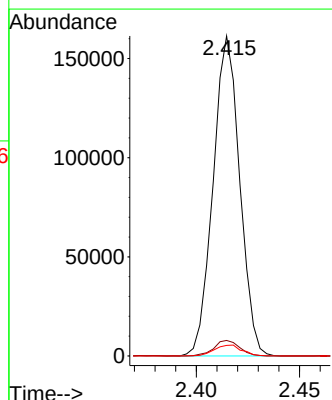
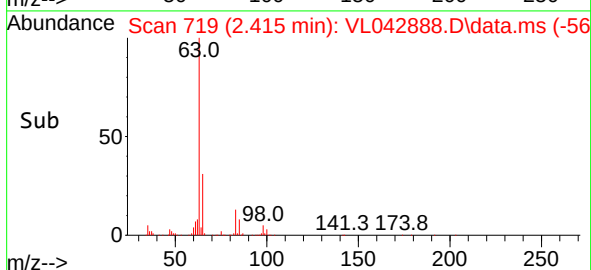
Reviewed By :Semsettin Yesilyurt 09/05/2025  
 Supervised By :Mahesh Dadoda 09/05/2025

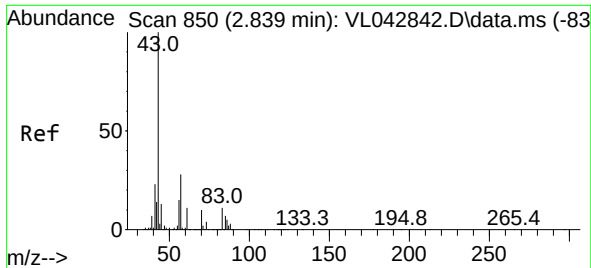


#24  
 1,1-Dichloroethane  
 Concen: 9.803 ppbv  
 RT: 2.415 min Scan# 719  
 Delta R.T. 0.003 min  
 Lab File: VL042888.D  
 Acq: 04 Sep 2025 12:21



Tgt Ion: 63 Resp: 144798  
 Ion Ratio Lower Upper  
 63 100  
 98 4.8 2.1 6.5  
 100 3.3 1.7 5.1





#25  
Ethyl Acetate  
Concen: 9.967 ppbv  
RT: 2.842 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

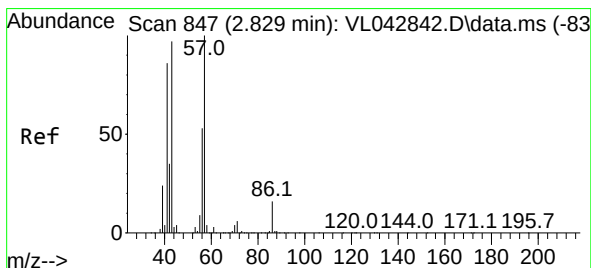
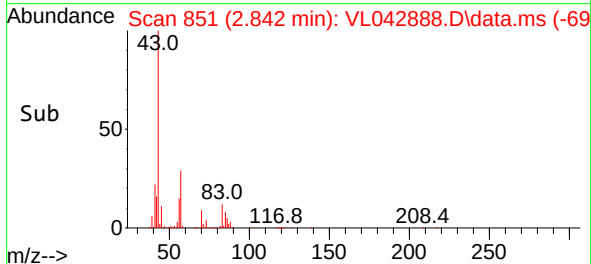
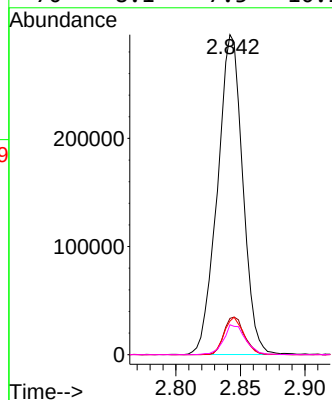
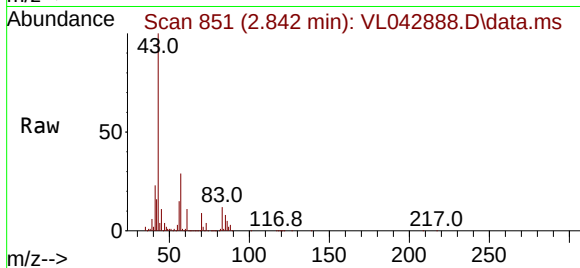
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 43 Resp: 402614

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 9.7   | 8.1   | 12.1  |
| 61  | 9.1   | 7.4   | 11.2  |
| 70  | 8.1   | 7.3   | 10.9  |

Manual Integrations  
APPROVED

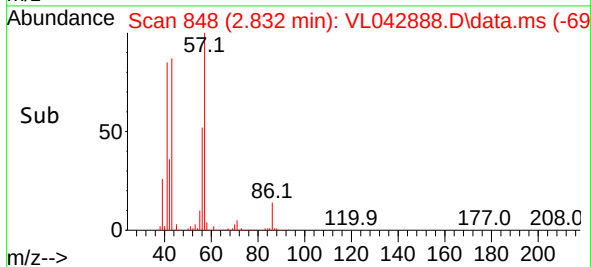
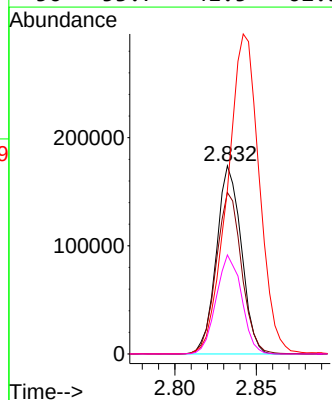
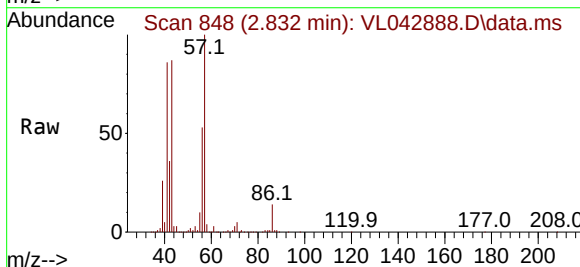
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025



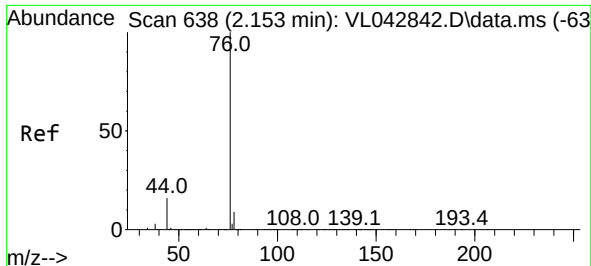
#26  
Hexane  
Concen: 9.905 ppbv  
RT: 2.832 min Scan# 848  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

Tgt Ion: 57 Resp: 184675

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 88.3  | 68.6  | 103.0 |
| 43  | 218.3 | 168.5 | 252.7 |
| 56  | 53.7  | 41.5  | 62.3  |

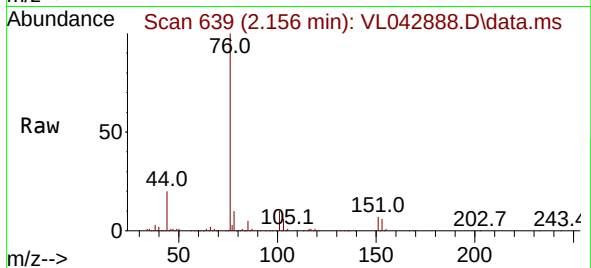






#27  
Carbon Disulfide  
Concen: 10.273 ppbv  
RT: 2.156 min Scan# 611  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

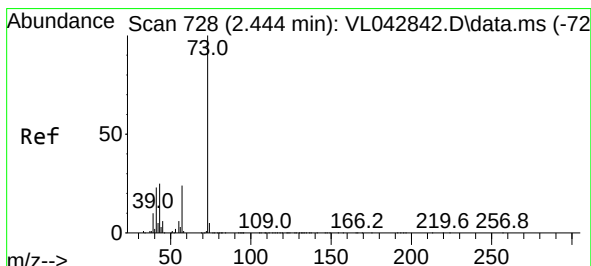
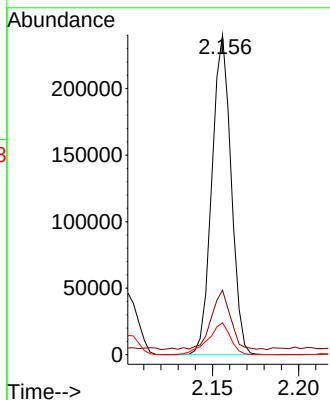
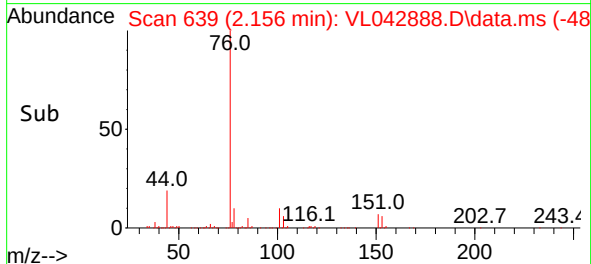
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



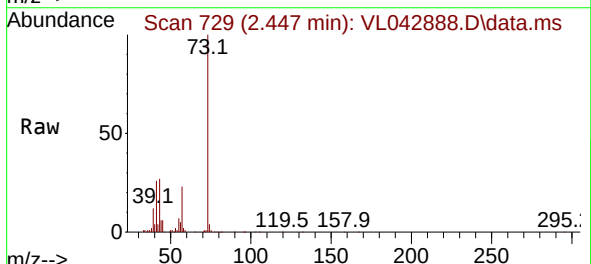
Tgt Ion: 76 Resp: 18640  
Ion Ratio Lower Upper  
76 100  
44 18.7 15.9 23.9  
78 11.6 9.5 14.3

Manual Integrations  
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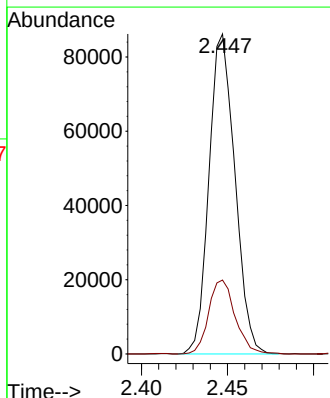
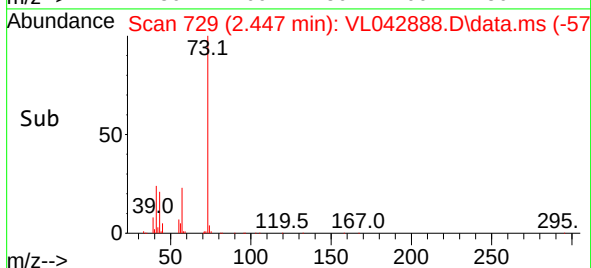
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025

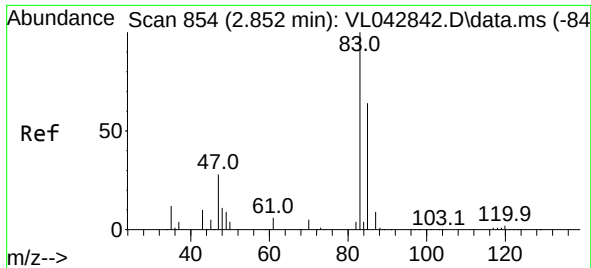


#28  
Methyl tert-Butyl Ether  
Concen: 9.494 ppbv  
RT: 2.447 min Scan# 729  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21



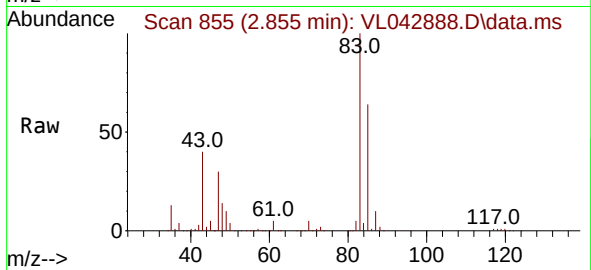
Tgt Ion: 73 Resp: 90259  
Ion Ratio Lower Upper  
73 100  
57 23.7 21.6 32.4





#29  
Chloroform  
Concen: 10.533 ppbv  
RT: 2.855 min Scan# 854  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

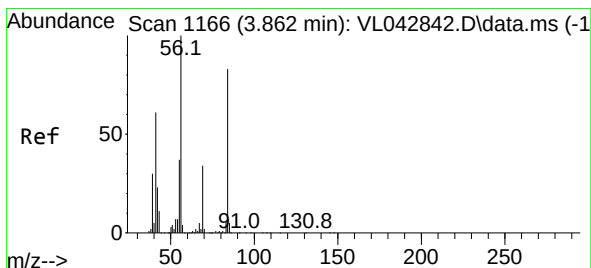
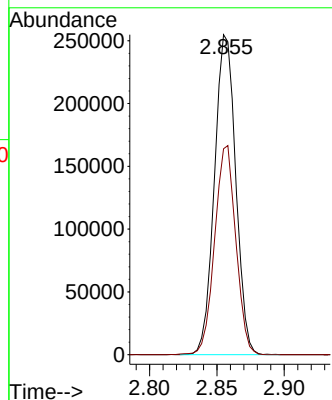
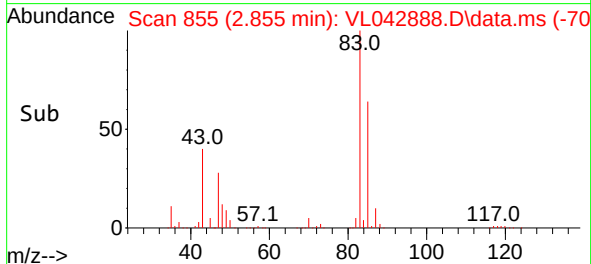
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 83 Resp: 280390  
Ion Ratio Lower Upper  
83 100  
85 64.3 51.1 76.7

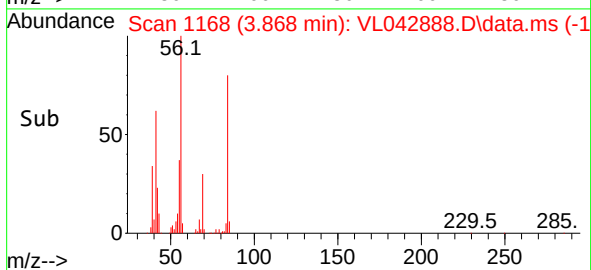
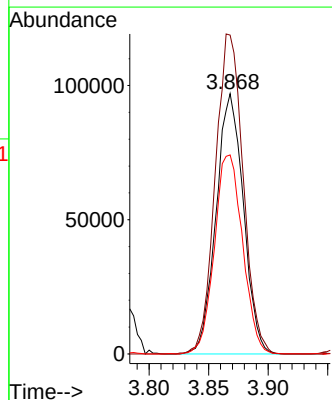
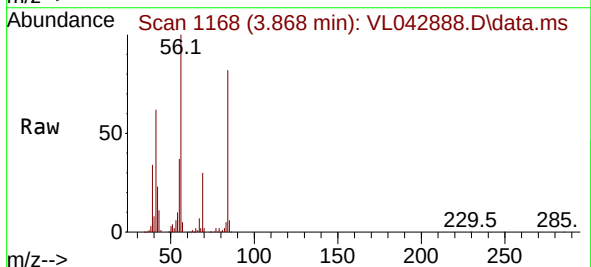
Manual Integrations  
APPROVED

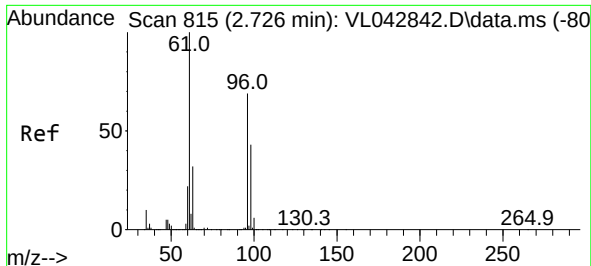
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025



#30  
Cyclohexane  
Concen: 9.449 ppbv  
RT: 3.868 min Scan# 1168  
Delta R.T. 0.006 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

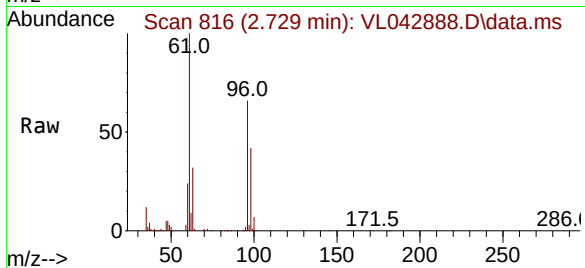
Tgt Ion: 84 Resp: 154459  
Ion Ratio Lower Upper  
84 100  
56 125.2 98.8 148.2  
41 79.0 61.3 91.9





#31  
 cis-1,2-Dichloroethene  
 Concen: 9.950 ppbv  
 RT: 2.729 min Scan# 815  
 Delta R.T. 0.003 min  
 Lab File: VL042888.D  
 Acq: 04 Sep 2025 12:21

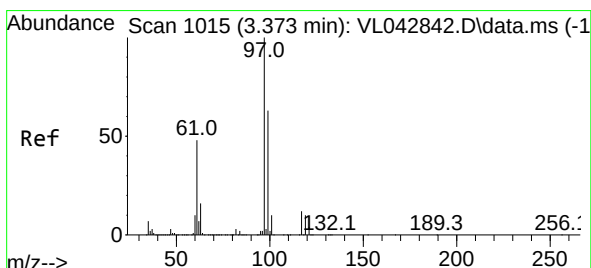
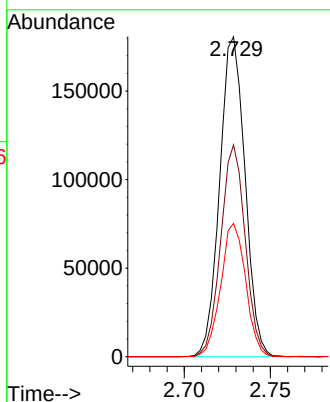
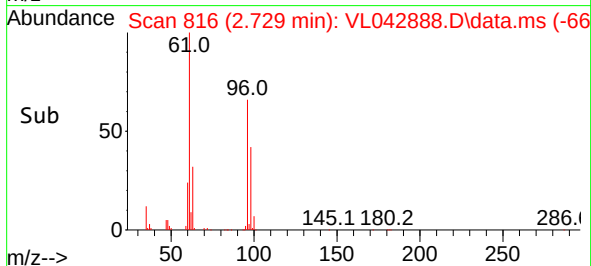
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



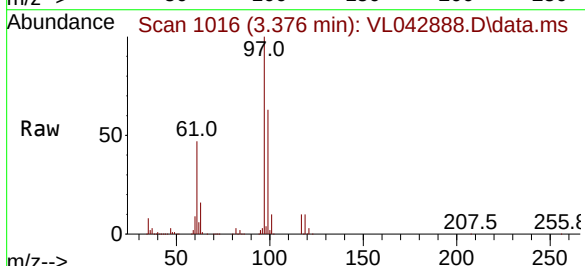
Tgt Ion: 61 Resp: 18531  
 Ion Ratio Lower Upper  
 61 100  
 96 66.2 55.0 82.6  
 98 41.6 34.3 51.5

Manual Integrations  
 APPROVED

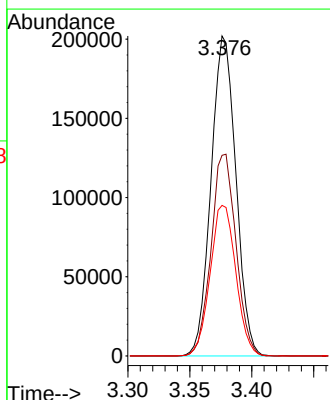
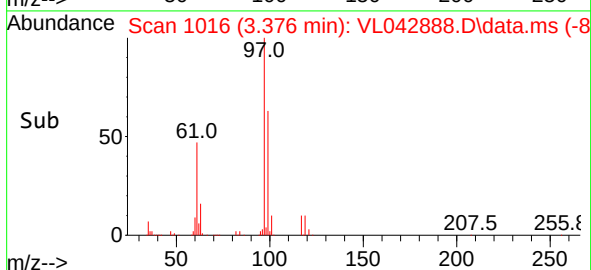
Reviewed By :Semsettin Yesilyurt 09/05/2025  
 Supervised By :Mahesh Dadoda 09/05/2025

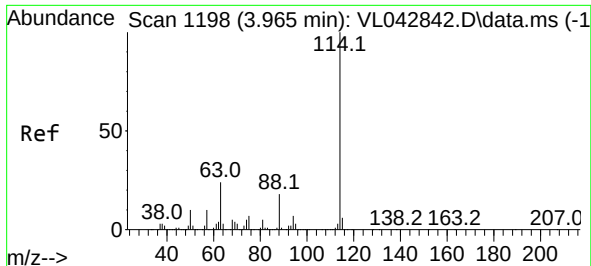


#32  
 1,1,1-Trichloroethane  
 Concen: 10.053 ppbv  
 RT: 3.376 min Scan# 1016  
 Delta R.T. 0.003 min  
 Lab File: VL042888.D  
 Acq: 04 Sep 2025 12:21



Tgt Ion: 97 Resp: 282844  
 Ion Ratio Lower Upper  
 97 100  
 99 63.2 51.0 76.6  
 61 48.7 38.0 57.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.003 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

Instrument :

MSVOA\_L

ClientSampleId :

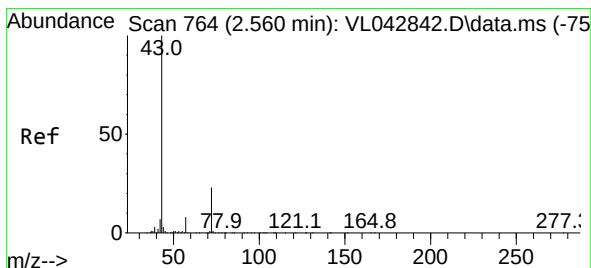
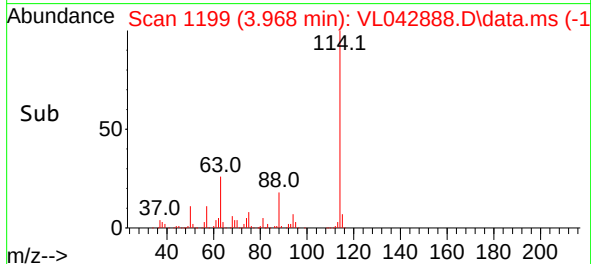
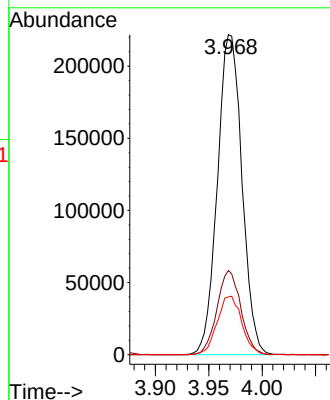
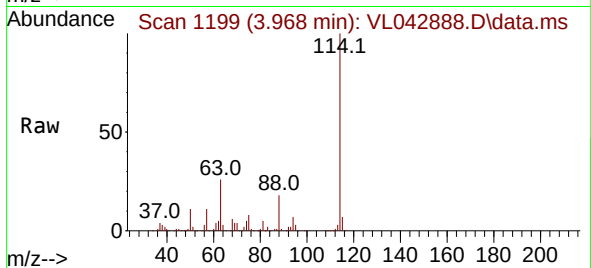
VSTDCCC010

|             |             |
|-------------|-------------|
| Tgt Ion:114 | Resp: 35454 |
| Ion Ratio   | Lower Upper |
| 114 100     |             |
| 63 25.6     | 19.7 29.5   |
| 88 18.3     | 14.4 21.6   |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025



#34

2-Butanone

Concen: 11.188 ppbv

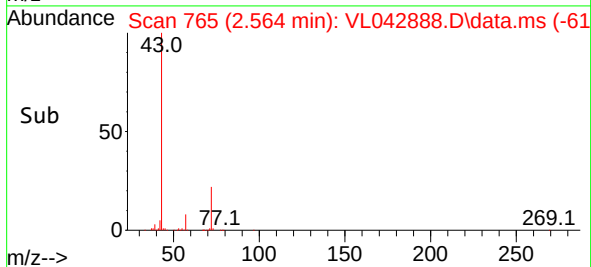
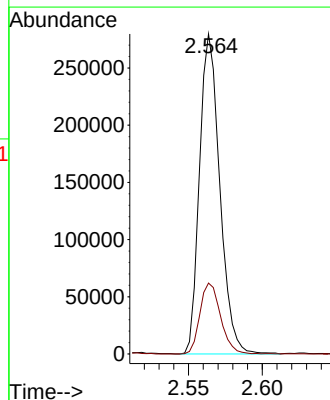
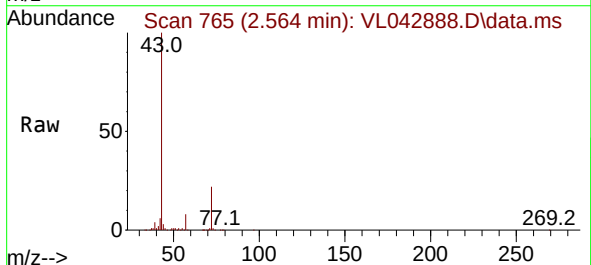
RT: 2.564 min Scan# 765

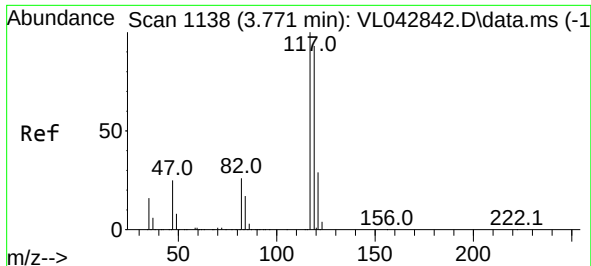
Delta R.T. 0.003 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

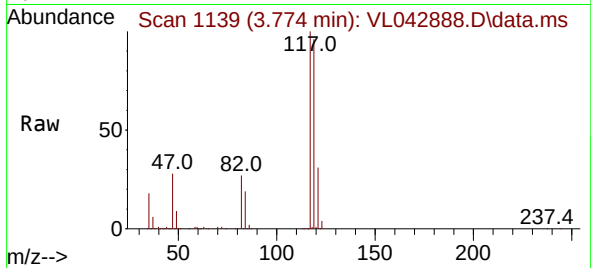
|             |              |
|-------------|--------------|
| Tgt Ion: 43 | Resp: 267855 |
| Ion Ratio   | Lower Upper  |
| 43 100      |              |
| 72 22.6     | 18.6 28.0    |





#35  
Carbon Tetrachloride  
Concen: 11.351 ppbv  
RT: 3.774 min Scan# 1138  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

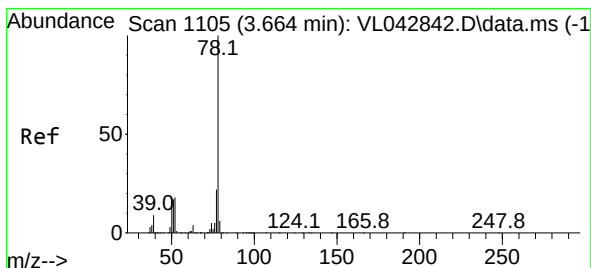
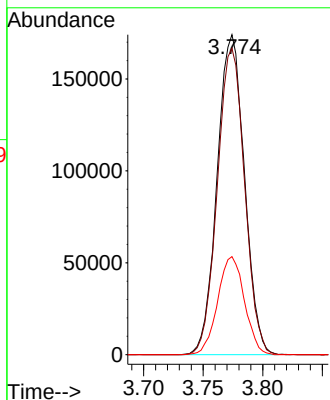
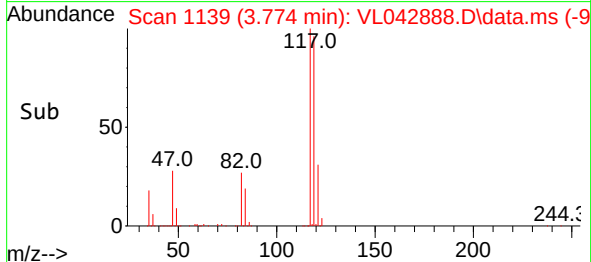
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 117 Resp: 277458  
Ion Ratio Lower Upper  
117 100  
119 95.7 74.7 112.1  
121 30.7 23.2 34.8

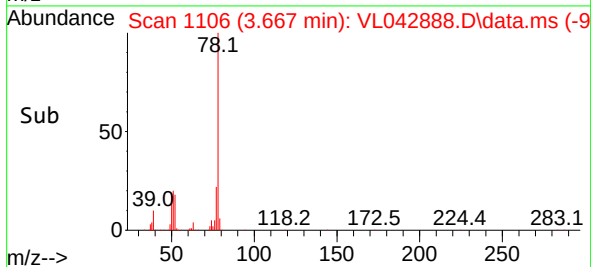
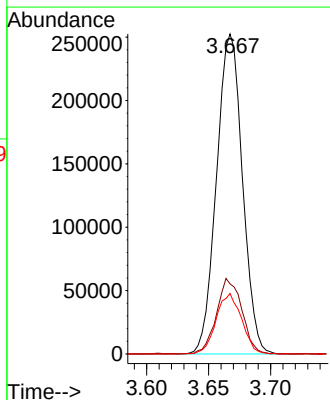
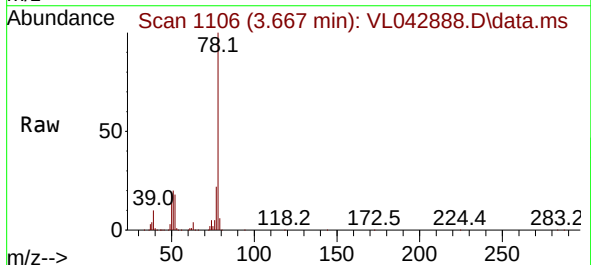
Manual Integrations  
APPROVED

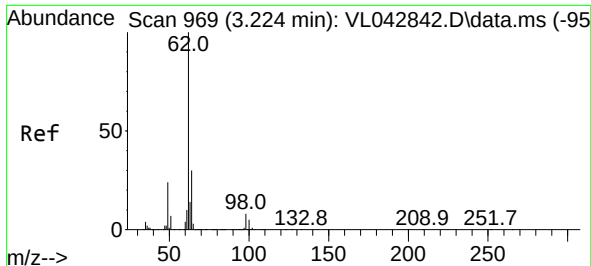
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025



#36  
Benzene  
Concen: 10.849 ppbv  
RT: 3.667 min Scan# 1106  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

Tgt Ion: 78 Resp: 368328  
Ion Ratio Lower Upper  
78 100  
77 21.9 17.7 26.5  
50 18.9 13.9 20.9





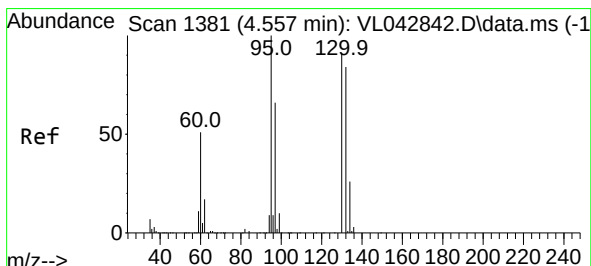
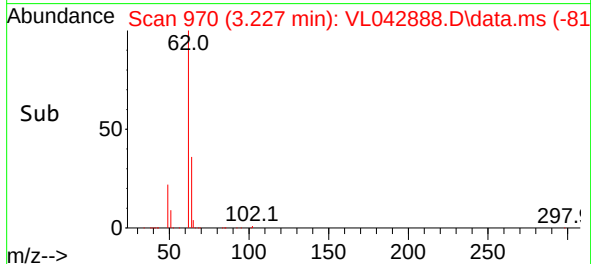
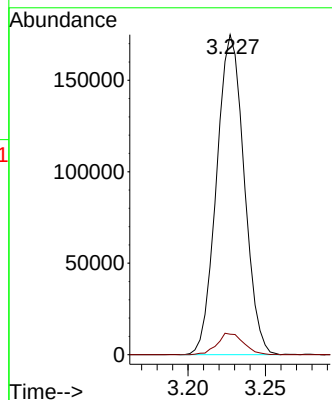
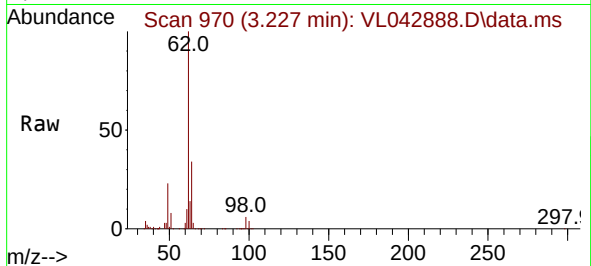
#37  
1,2-Dichloroethane  
Concen: 12.220 ppbv  
RT: 3.227 min Scan# 91  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 62 Resp: 21674  
Ion Ratio Lower Upper  
62 100  
98 6.4 5.9 8.9

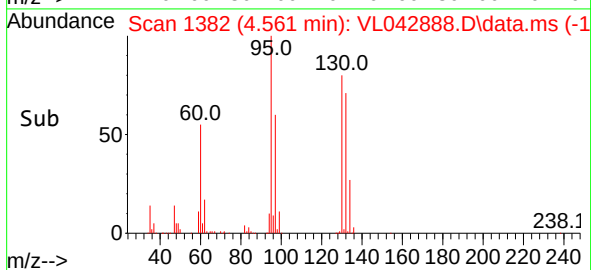
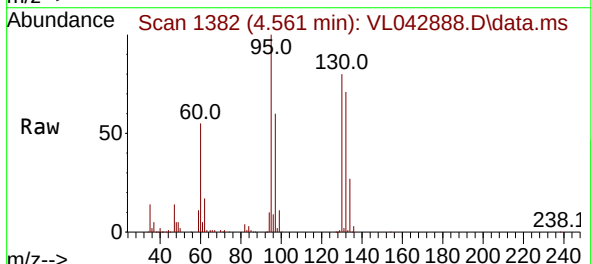
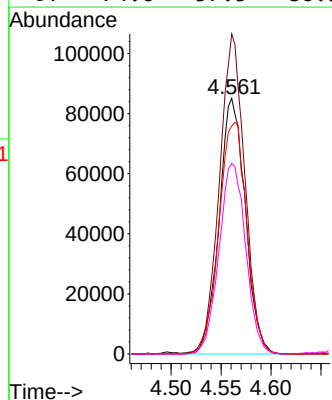
Manual Integrations  
APPROVED

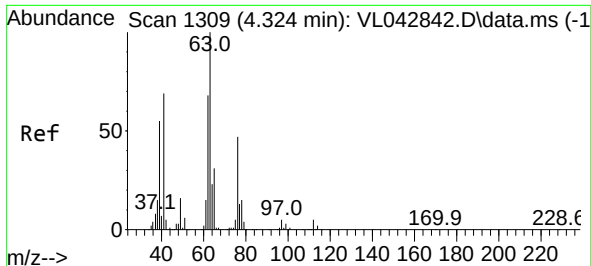
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025



#38  
Trichloroethene  
Concen: 9.997 ppbv  
RT: 4.561 min Scan# 1382  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

Tgt Ion:130 Resp: 155001  
Ion Ratio Lower Upper  
130 100  
95 125.2 87.6 131.4  
132 89.2 73.8 110.8  
97 74.6 57.5 86.3





#39

1,2-Dichloropropane

Concen: 10.945 ppbv

RT: 4.324 min Scan# 1309

Delta R.T. -0.000 min

Lab File: VL042888.D

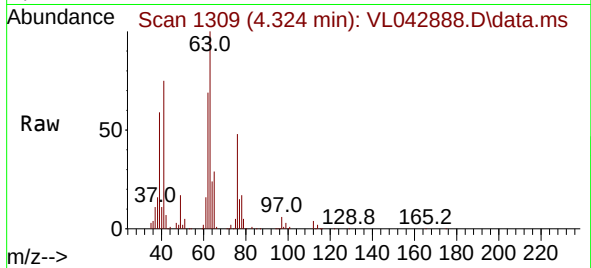
Acq: 04 Sep 2025 12:21

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010



Tgt Ion: 63 Resp: 13571

Ion Ratio Lower Upper

63 100

41 75.4 55.0 82.4

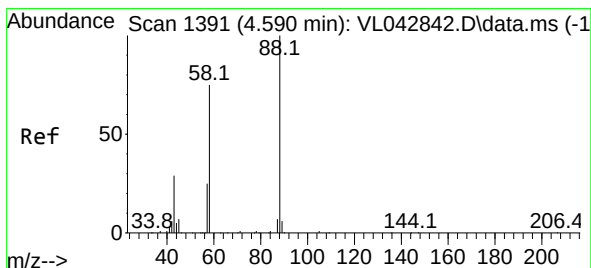
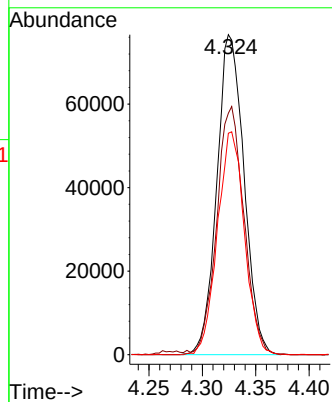
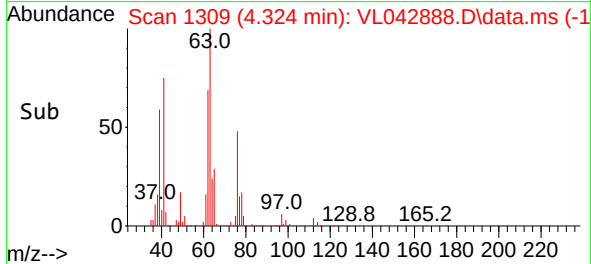
62 69.2 54.4 81.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/05/2025

Supervised By :Mahesh Dadoda 09/05/2025



#40

1,4-Dioxane

Concen: 9.739 ppbv

RT: 4.596 min Scan# 1393

Delta R.T. 0.006 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

Tgt Ion: 88 Resp: 57426

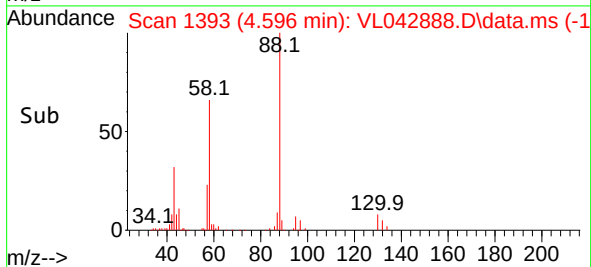
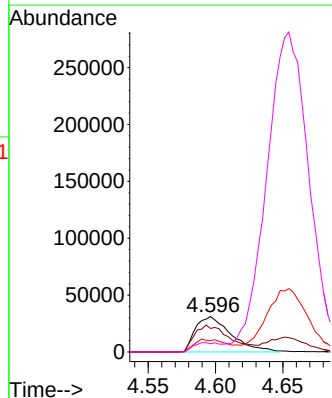
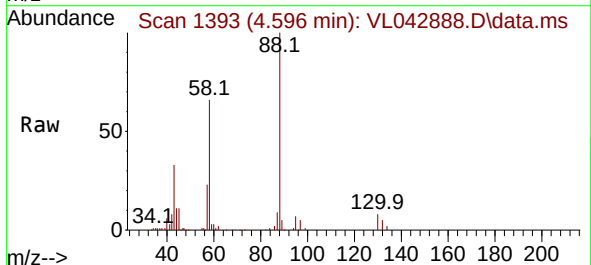
Ion Ratio Lower Upper

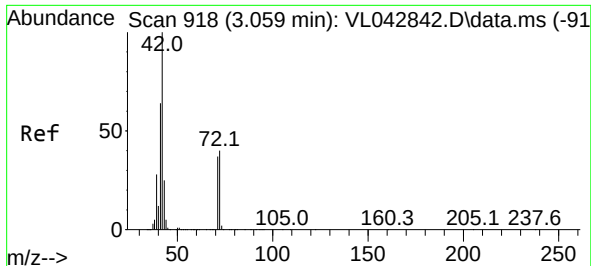
88 100

58 75.1 53.8 80.6

43 35.9 22.8 34.2

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 10.811 ppbv

RT: 3.062 min Scan# 918

Delta R.T. 0.003 min

Lab File: VL042888.D

Acq: 04 Sep 2025 12:21

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

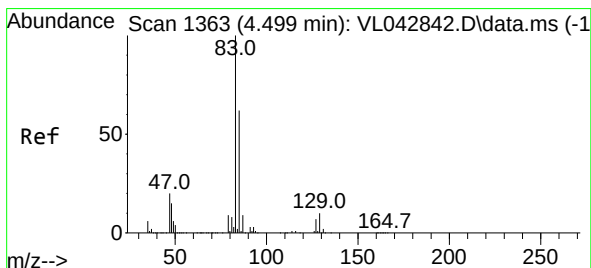
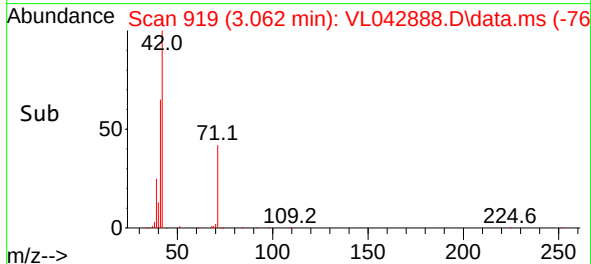
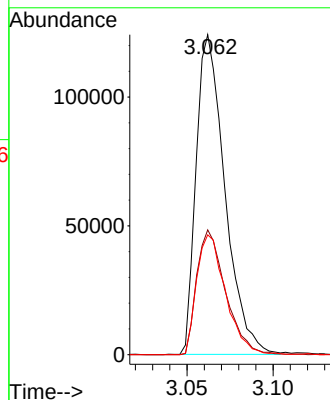
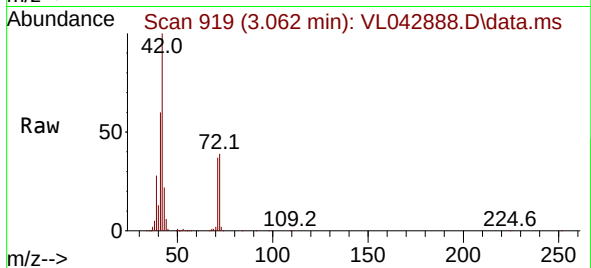
Tgt Ion: 42 Resp: 144304

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 39.2  | 32.6  | 48.8  |
| 71  | 38.0  | 30.0  | 45.0  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025



#42

Bromodichloromethane

Concen: 11.832 ppbv

RT: 4.502 min Scan# 1364

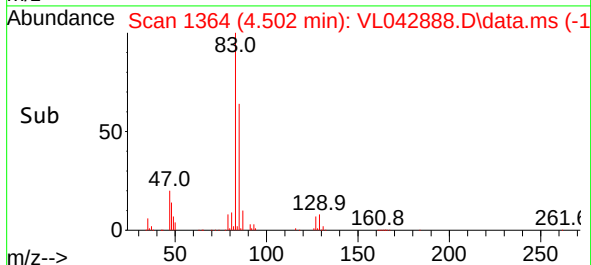
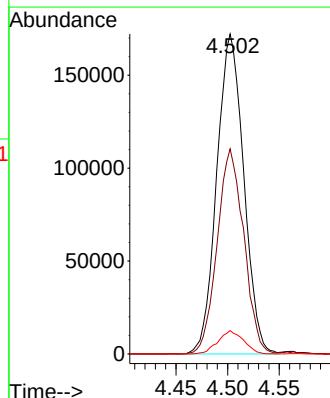
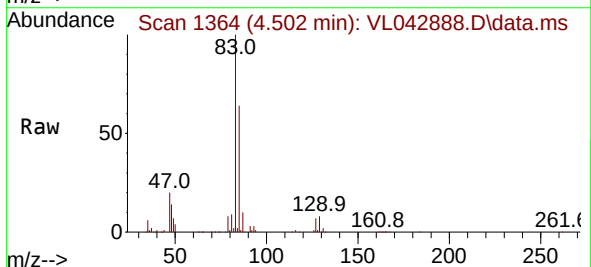
Delta R.T. 0.003 min

Lab File: VL042888.D

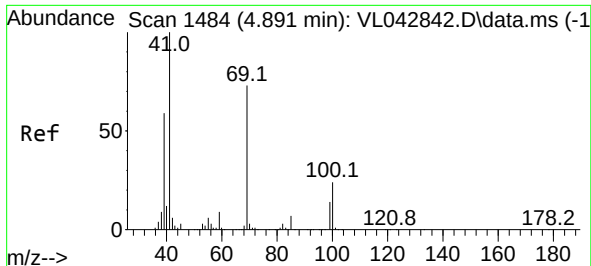
Acq: 04 Sep 2025 12:21

Tgt Ion: 83 Resp: 312742

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 64.1  | 49.8  | 74.8  |
| 127 | 7.3   | 5.8   | 8.6   |

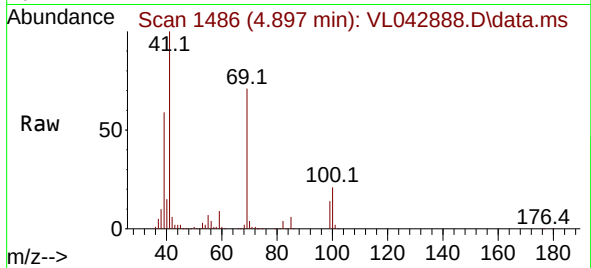






#43  
Methyl Methacrylate  
Concen: 10.172 ppbv  
RT: 4.897 min Scan# 1411  
Delta R.T. 0.006 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

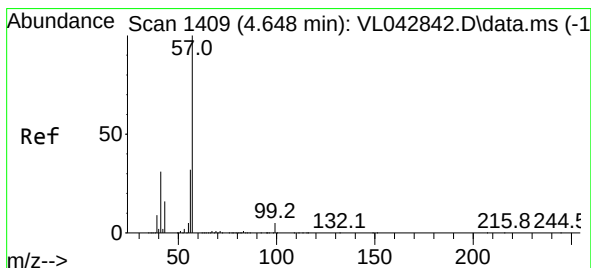
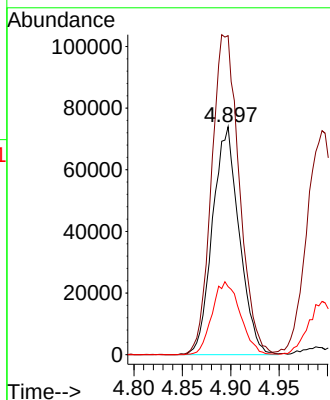
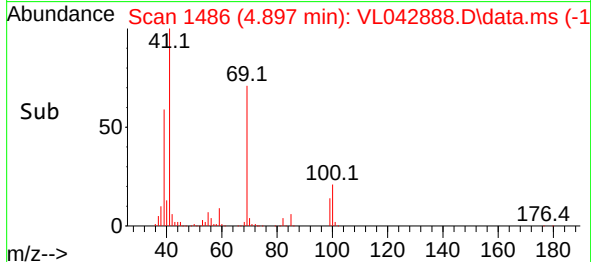
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



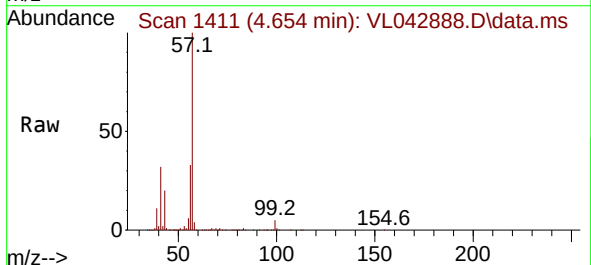
Tgt Ion: 69 Resp: 142269  
Ion Ratio Lower Upper  
69 100  
41 145.8 114.6 172.0  
100 33.7 30.2 45.4

Manual Integrations  
APPROVED

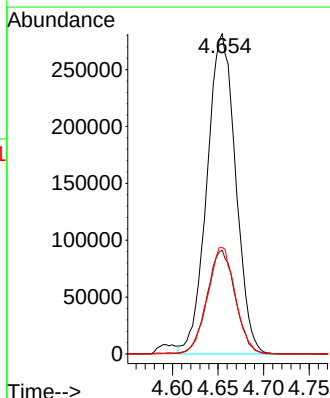
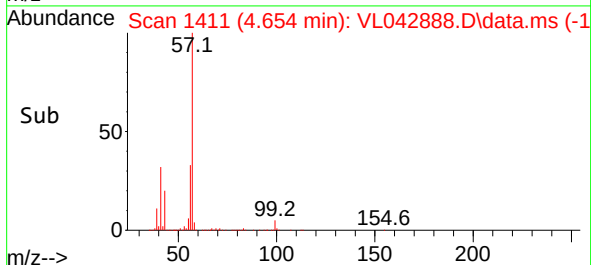
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025

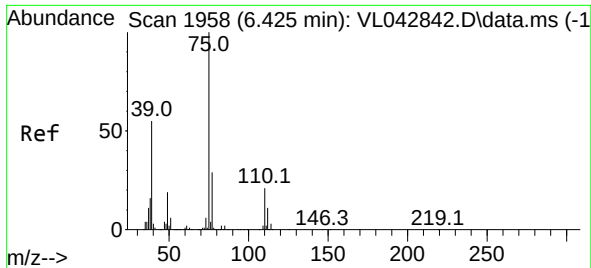


#44  
2,2,4-Trimethylpentane  
Concen: 10.705 ppbv  
RT: 4.654 min Scan# 1411  
Delta R.T. 0.006 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21



Tgt Ion: 57 Resp: 616871  
Ion Ratio Lower Upper  
57 100  
41 32.2 24.8 37.2  
56 32.3 25.5 38.3





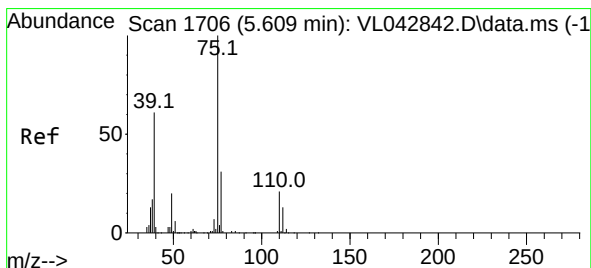
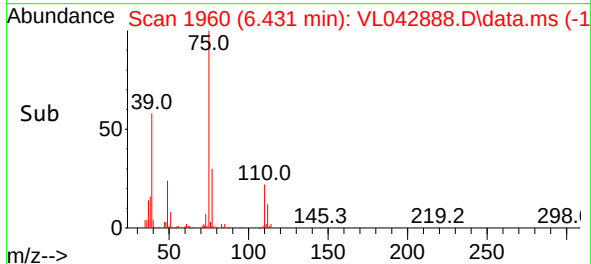
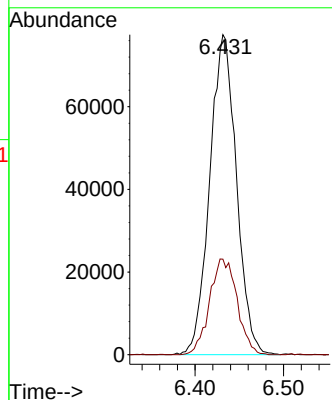
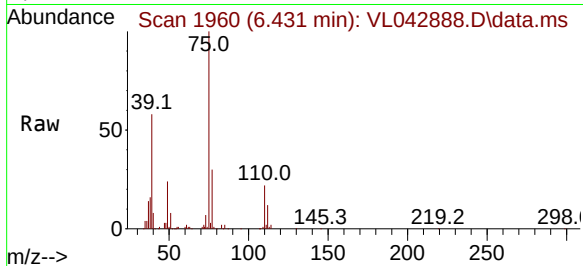
#45  
t-1,3-Dichloropropene  
Concen: 10.290 ppbv  
RT: 6.431 min Scan# 1958  
Delta R.T. 0.006 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 75 Resp: 162419  
Ion Ratio Lower Upper  
75 100  
77 29.9 23.8 35.6

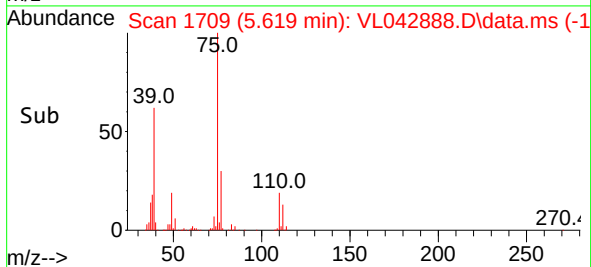
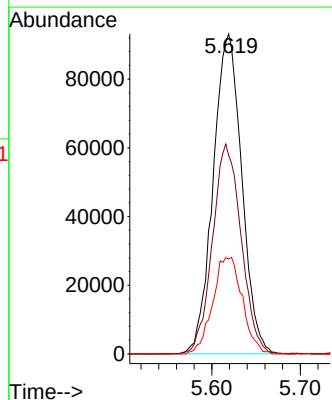
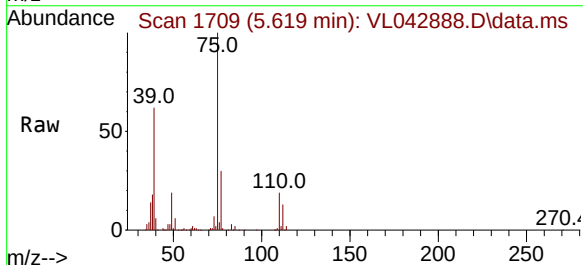
Manual Integrations  
APPROVED

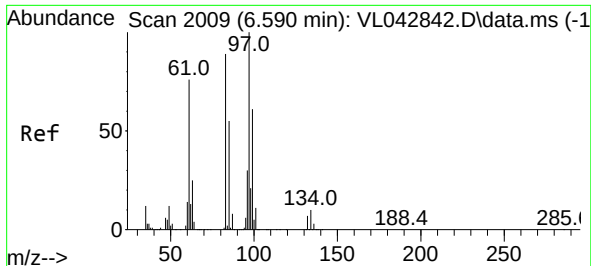
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025



#46  
cis-1,3-Dichloropropene  
Concen: 10.626 ppbv  
RT: 5.619 min Scan# 1709  
Delta R.T. 0.010 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

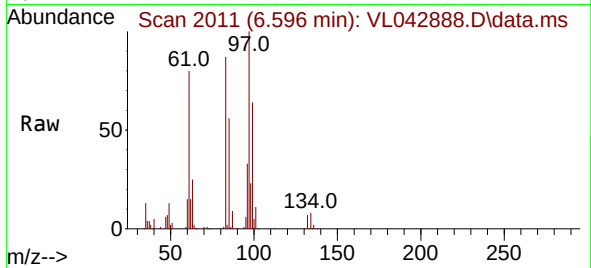
Tgt Ion: 75 Resp: 208989  
Ion Ratio Lower Upper  
75 100  
39 61.8 48.9 73.3  
77 29.7 24.9 37.3





#47  
1,1,2-Trichloroethane  
Concen: 10.928 ppbv  
RT: 6.596 min Scan# 2009  
Delta R.T. 0.006 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

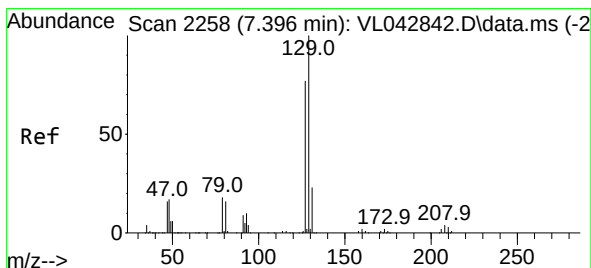
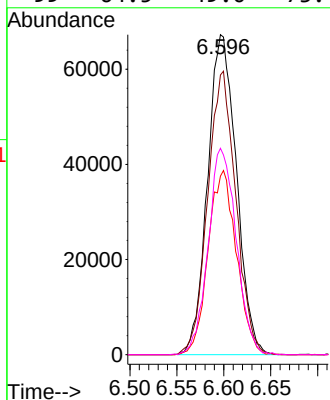
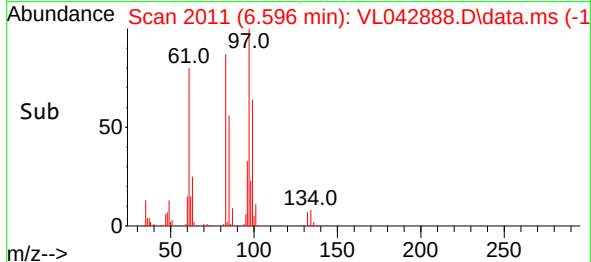
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 97 Resp: 143562  
Ion Ratio Lower Upper  
97 100  
83 87.3 71.0 106.4  
85 55.7 43.6 65.4  
99 64.5 49.0 73.4

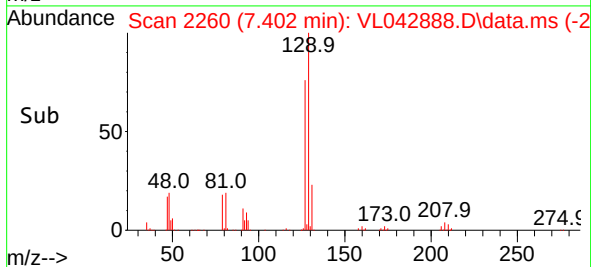
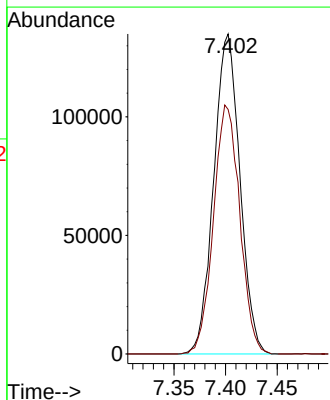
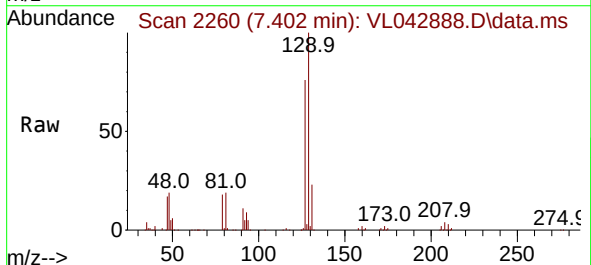
Manual Integrations  
APPROVED

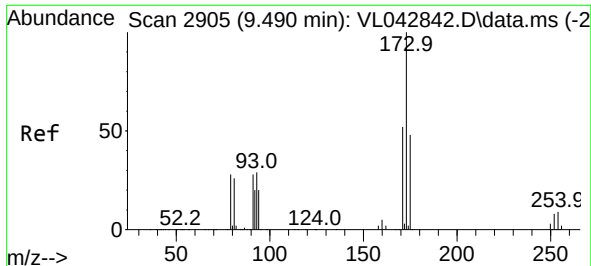
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025



#48  
Dibromochloromethane  
Concen: 11.199 ppbv  
RT: 7.402 min Scan# 2260  
Delta R.T. 0.006 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

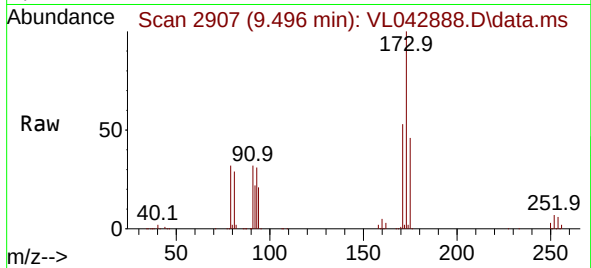
Tgt Ion:129 Resp: 238088  
Ion Ratio Lower Upper  
129 100  
127 78.2 39.4 118.2





#49  
Bromoform  
Concen: 10.652 ppbv  
RT: 9.496 min Scan# 2905  
Delta R.T. 0.006 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

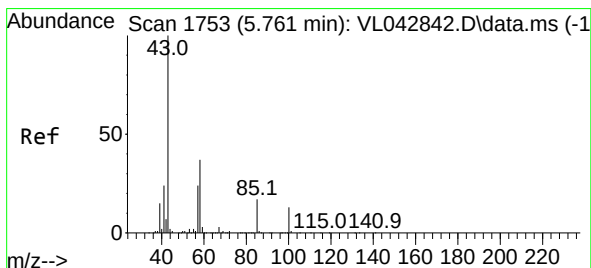
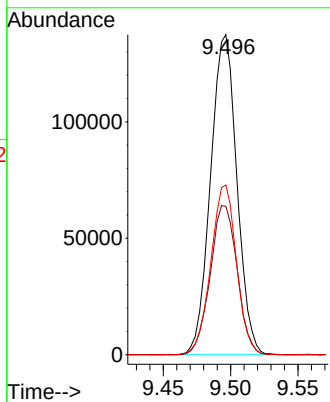
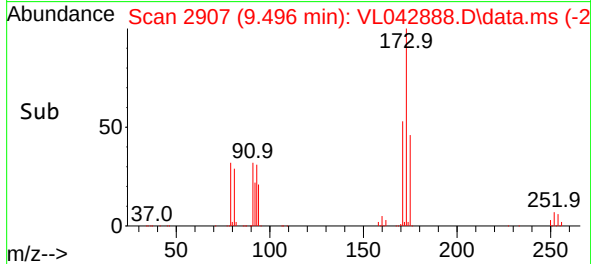
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 173 Resp: 186758  
Ion Ratio Lower Upper  
173 100  
175 47.7 39.2 58.8  
171 51.6 41.3 61.9

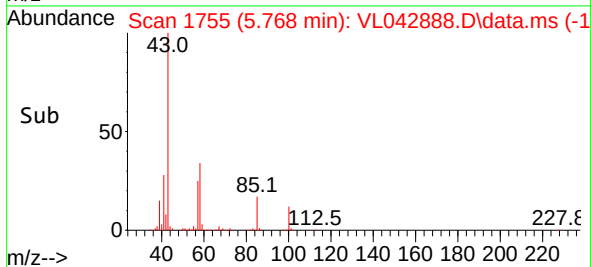
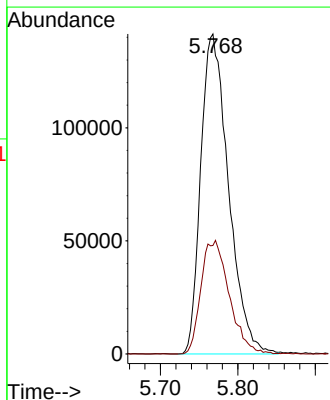
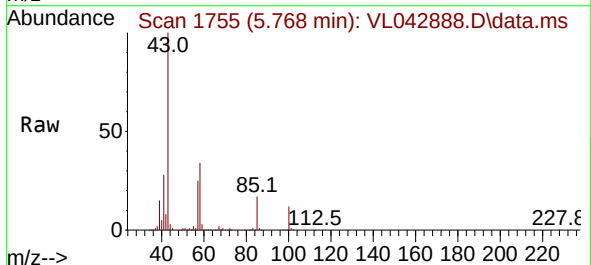
Manual Integrations  
APPROVED

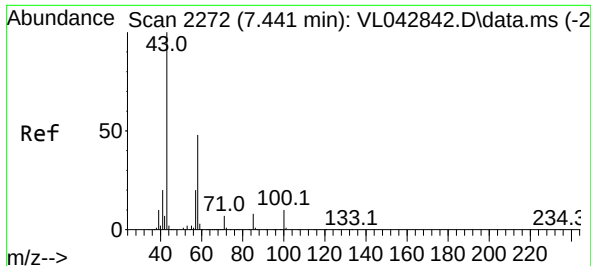
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025



#50  
4-Methyl-2-Pentanone  
Concen: 10.888 ppbv  
RT: 5.768 min Scan# 1755  
Delta R.T. 0.006 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

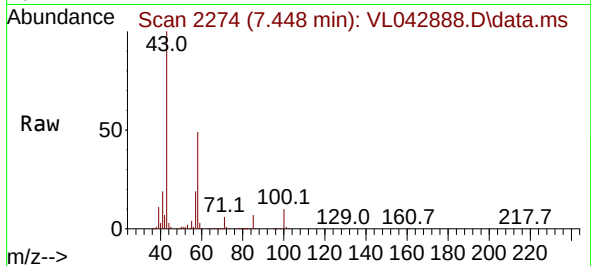
Tgt Ion: 43 Resp: 352340  
Ion Ratio Lower Upper  
43 100  
58 36.2 29.8 44.8





#51  
2-Hexanone  
Concen: 11.050 ppbv  
RT: 7.448 min Scan# 2118  
Delta R.T. 0.006 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

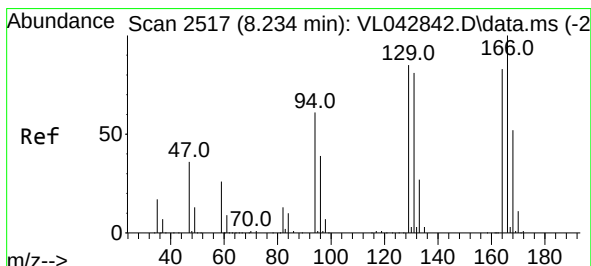
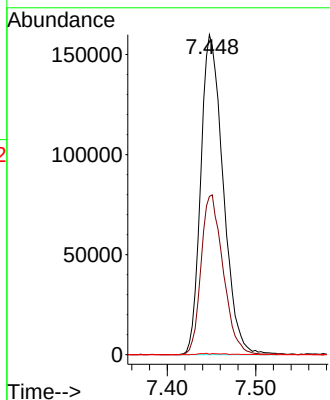
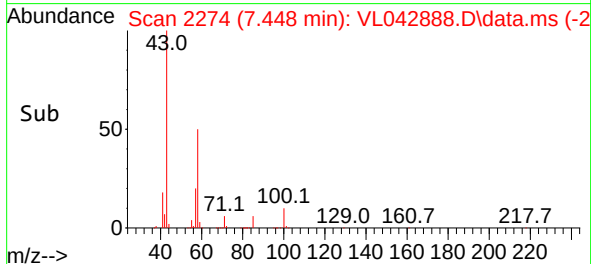
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



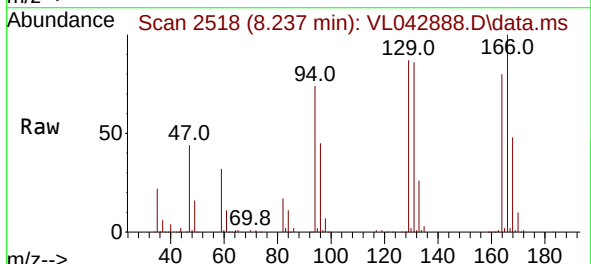
Tgt Ion: 43 Resp: 28137  
Ion Ratio Lower Upper  
43 100  
58 49.3 41.0 61.6  
98 0.5 0.1 0.1

Manual Integrations  
APPROVED

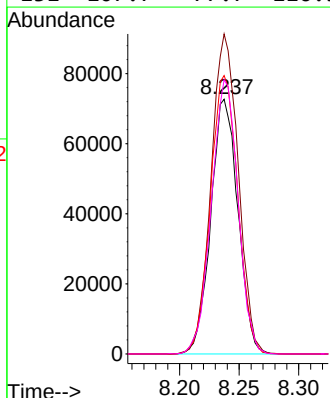
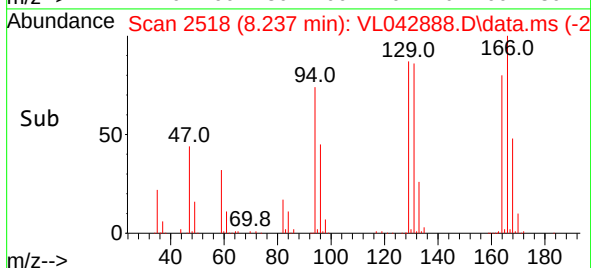
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025

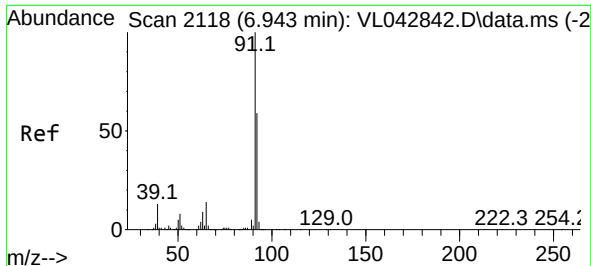


#52  
Tetrachloroethene  
Concen: 9.346 ppbv  
RT: 8.237 min Scan# 2518  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21



Tgt Ion:164 Resp: 114794  
Ion Ratio Lower Upper  
164 100  
166 125.5 96.5 144.7  
129 109.3 81.8 122.6  
131 107.7 77.7 116.5





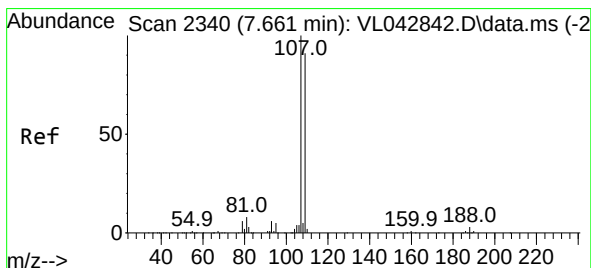
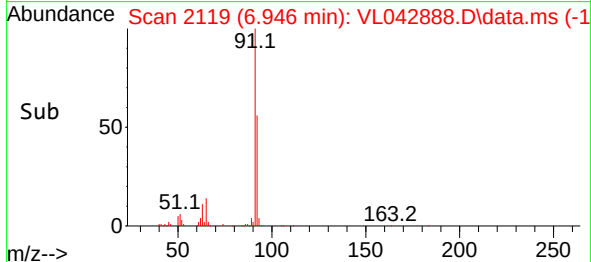
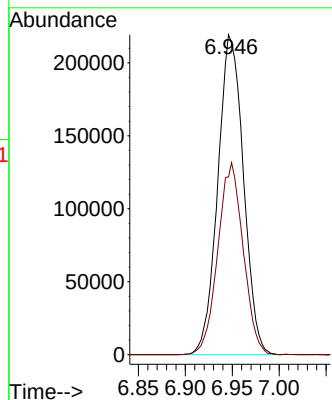
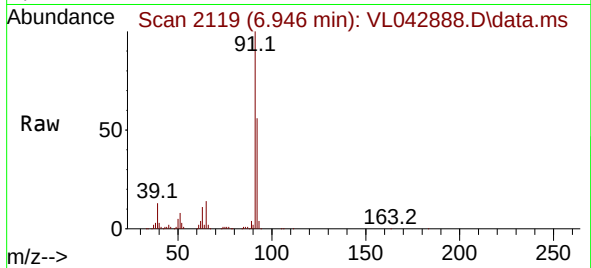
#53  
Toluene  
Concen: 10.306 ppbv  
RT: 6.946 min Scan# 2118  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 91 Resp: 415989  
Ion Ratio Lower Upper  
91 100  
92 59.4 47.8 71.6

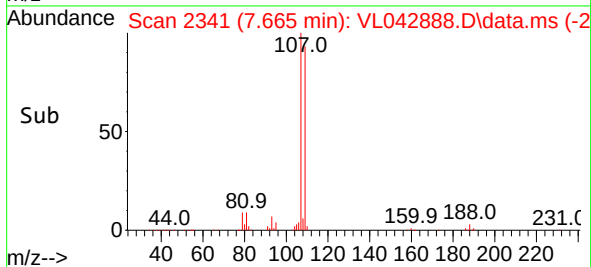
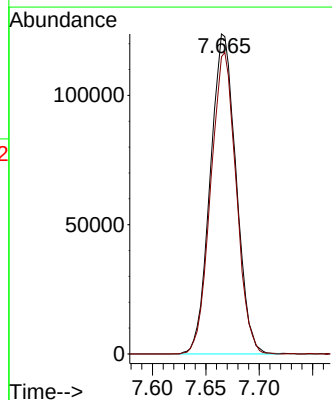
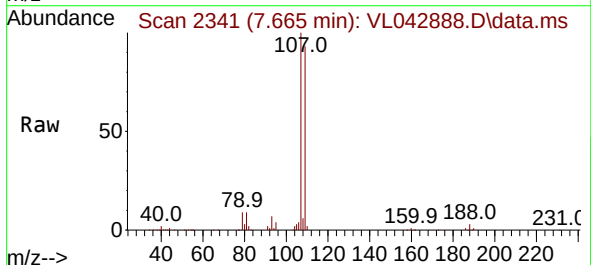
Manual Integrations  
APPROVED

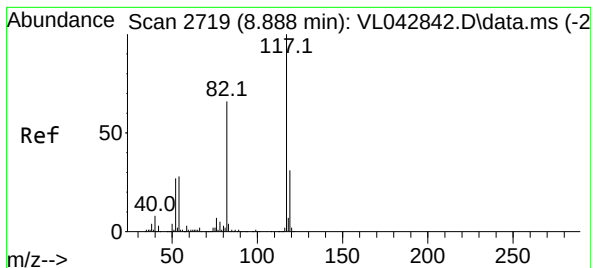
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025



#54  
1,2-Dibromoethane  
Concen: 10.826 ppbv  
RT: 7.665 min Scan# 2341  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

Tgt Ion:107 Resp: 207852  
Ion Ratio Lower Upper  
107 100  
109 92.9 72.5 108.7





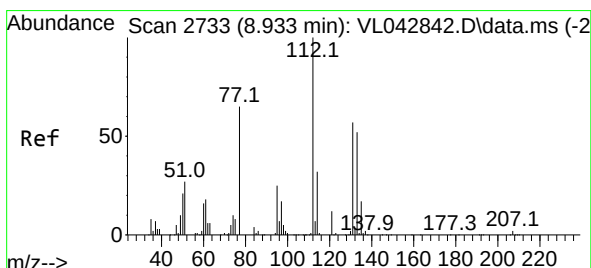
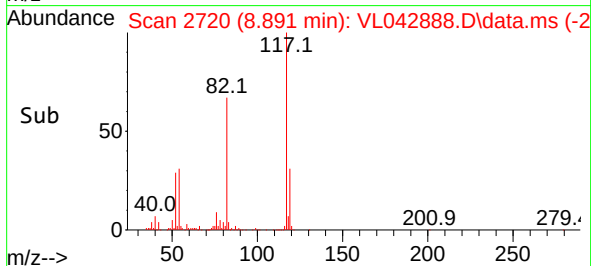
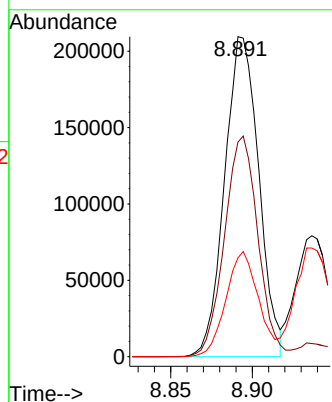
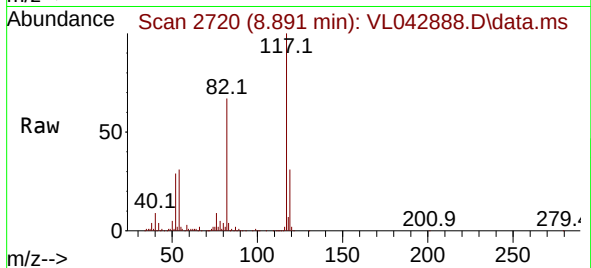
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.891 min Scan# 2719  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion:117 Resp: 30532  
Ion Ratio Lower Upper  
117 100  
82 71.4 54.6 81.8  
119 30.5 25.9 38.9

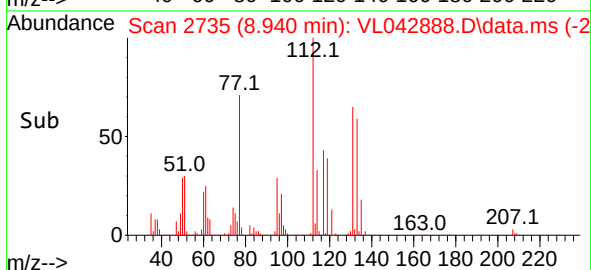
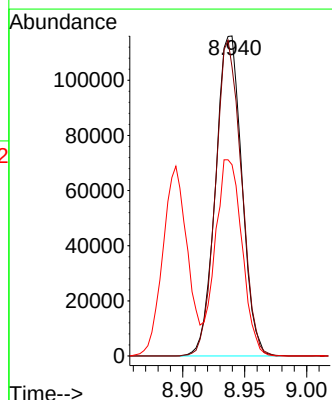
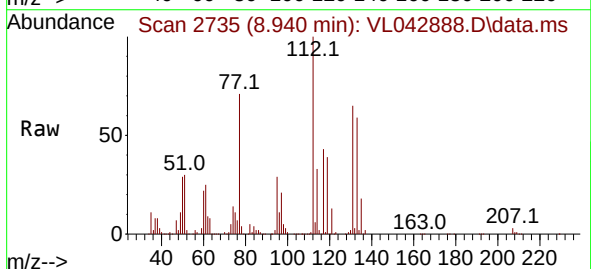
Manual Integrations  
APPROVED

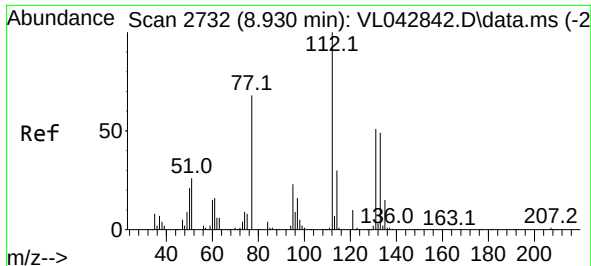
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025



#56  
1,1,1,2-Tetrachloroethane  
Concen: 10.897 ppbv  
RT: 8.940 min Scan# 2735  
Delta R.T. 0.006 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

Tgt Ion:131 Resp: 172051  
Ion Ratio Lower Upper  
131 100  
133 97.0 77.4 116.0  
119 64.2 51.2 76.8





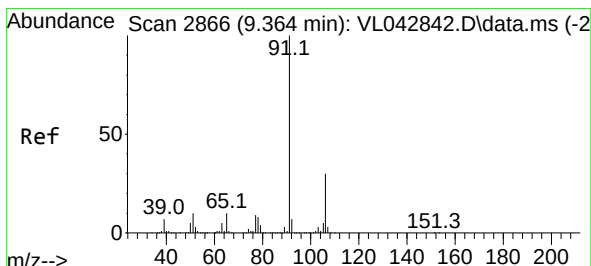
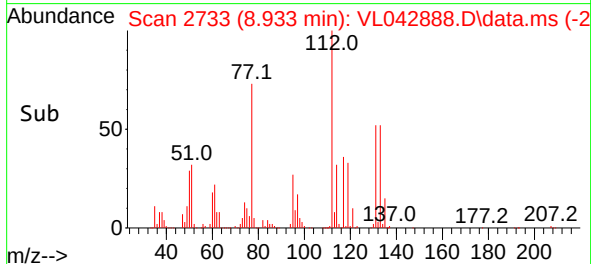
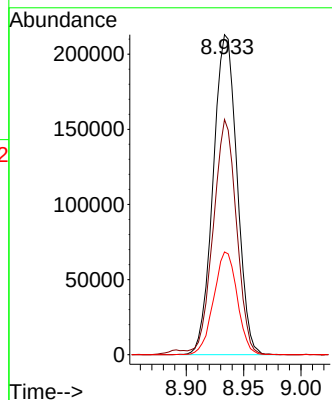
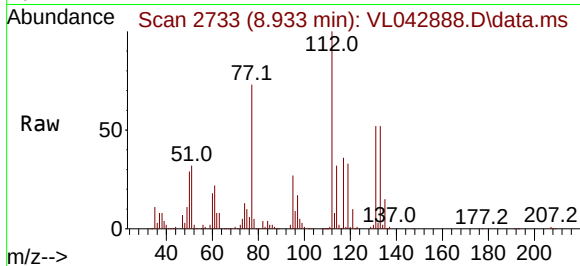
#57  
Chlorobenzene  
Concen: 10.626 ppbv  
RT: 8.933 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 112 Resp: 30847  
Ion Ratio Lower Upper  
112 100  
77 73.4 55.5 83.3  
114 32.1 27.2 33.2

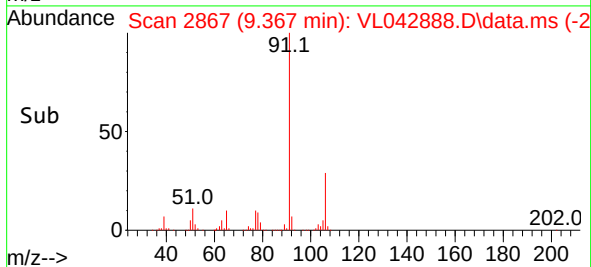
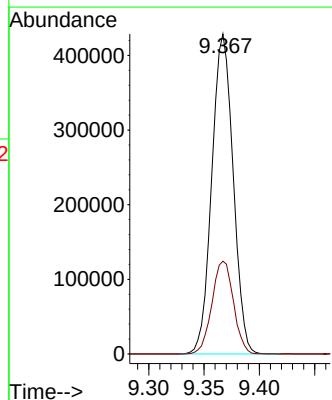
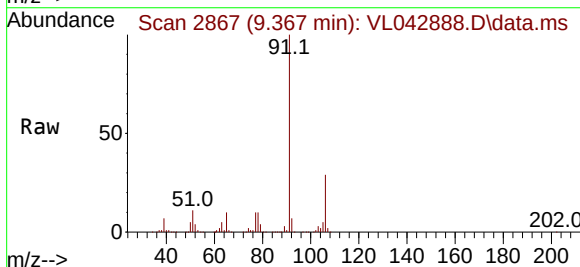
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025

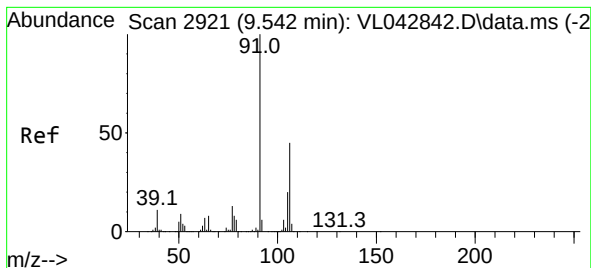


#58  
Ethyl Benzene  
Concen: 10.680 ppbv  
RT: 9.367 min Scan# 2867  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

Tgt Ion: 91 Resp: 575425  
Ion Ratio Lower Upper  
91 100  
106 29.0 23.9 35.9

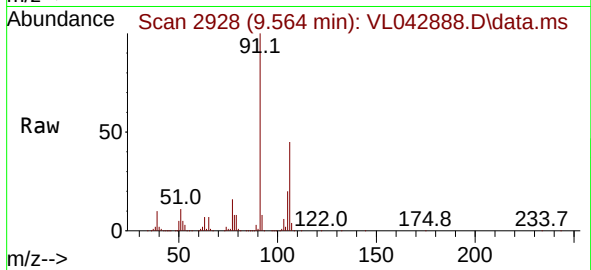






#59  
m/p-Xylene  
Concen: 21.993 ppbv m  
RT: 9.564 min Scan# 2928  
Delta R.T. 0.023 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

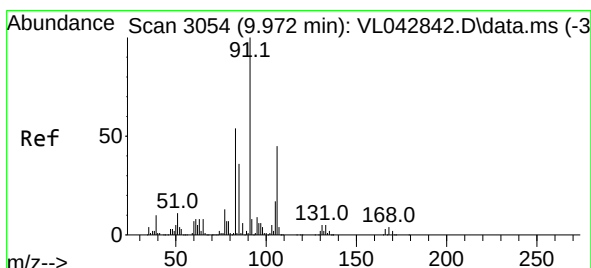
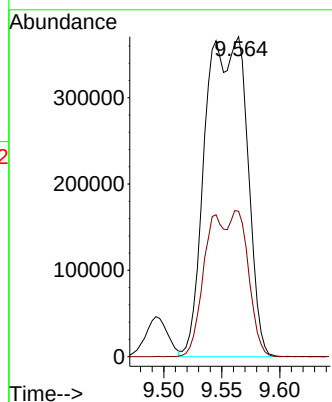
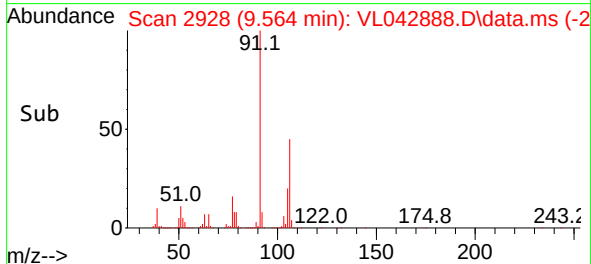
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 91 Resp: 928810  
Ion Ratio Lower Upper  
91 100  
106 0.0 0.0 0.0

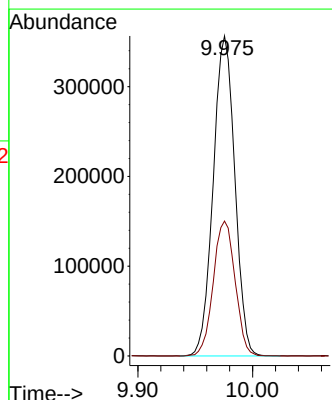
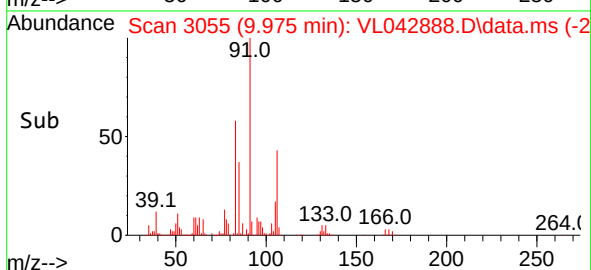
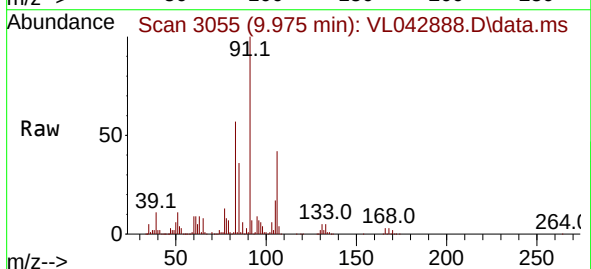
Manual Integrations  
APPROVED

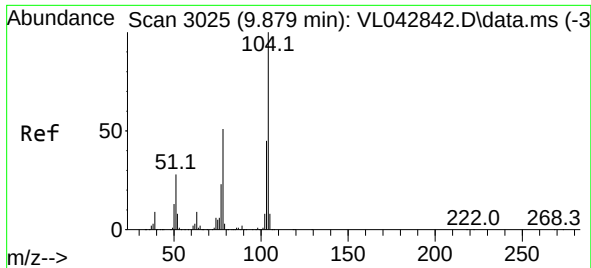
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025



#60  
o-Xylene  
Concen: 10.972 ppbv  
RT: 9.975 min Scan# 3055  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

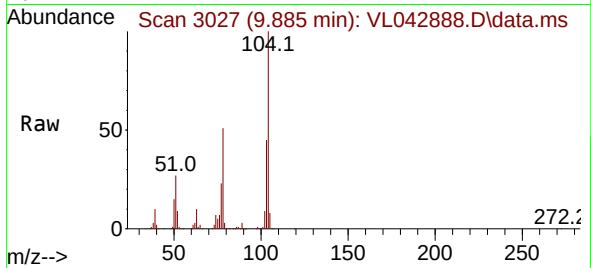
Tgt Ion: 91 Resp: 466103  
Ion Ratio Lower Upper  
91 100  
106 42.6 21.8 65.4





#61  
Styrene  
Concen: 10.122 ppbv  
RT: 9.885 min Scan# 3025  
Delta R.T. 0.006 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

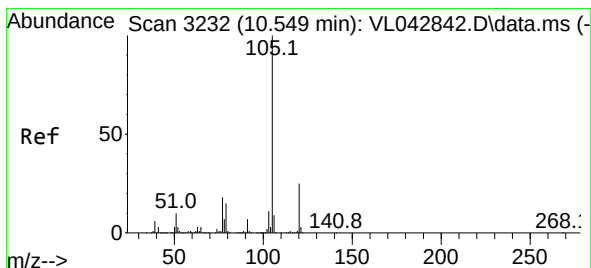
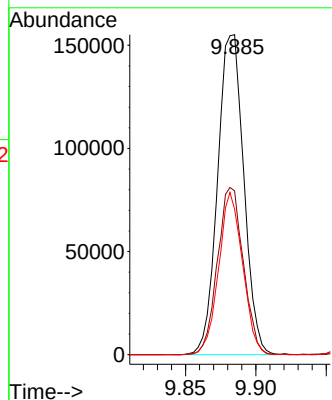
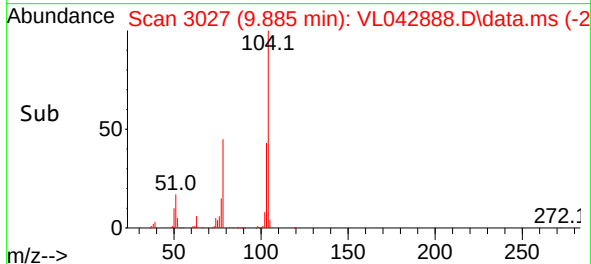
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



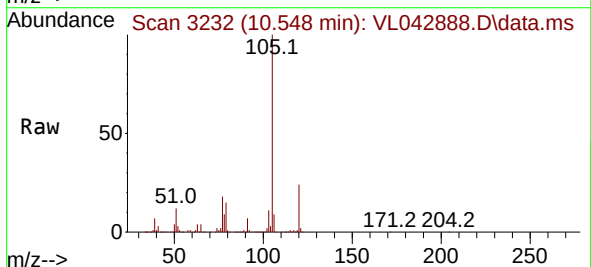
Tgt Ion:104 Resp: 201460  
Ion Ratio Lower Upper  
104 100  
78 51.6 40.6 61.0  
103 46.4 37.7 56.5

Manual Integrations  
APPROVED

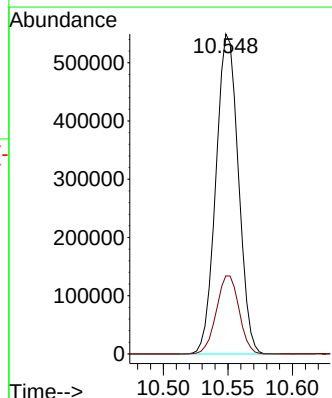
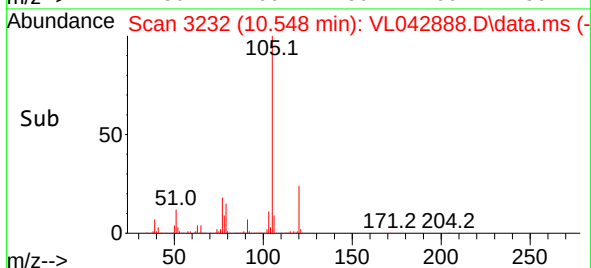
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025

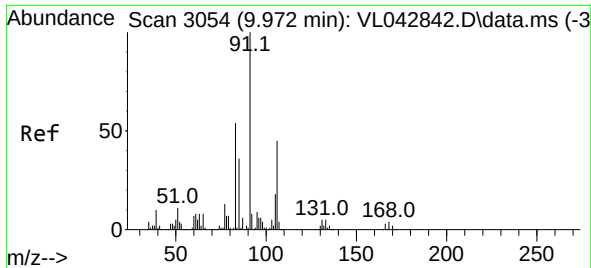


#62  
Isopropylbenzene  
Concen: 10.681 ppbv  
RT: 10.548 min Scan# 3232  
Delta R.T. -0.000 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21



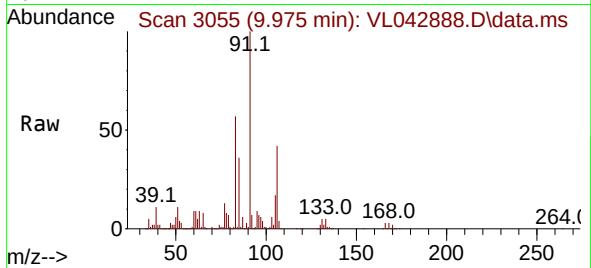
Tgt Ion:105 Resp: 663141  
Ion Ratio Lower Upper  
105 100  
120 24.7 20.6 30.8





#63  
1,1,2,2-Tetrachloroethane  
Concen: 11.335 ppbv  
RT: 9.975 min Scan# 3054  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

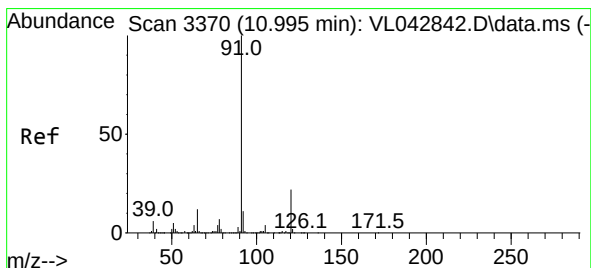
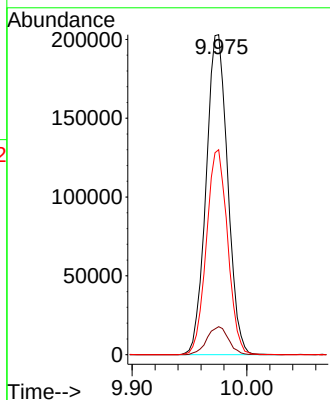
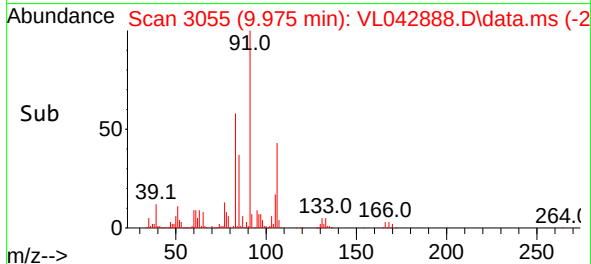
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 83 Resp: 264810  
Ion Ratio Lower Upper  
83 100  
131 8.8 4.8 14.3  
85 63.2 32.3 96.8

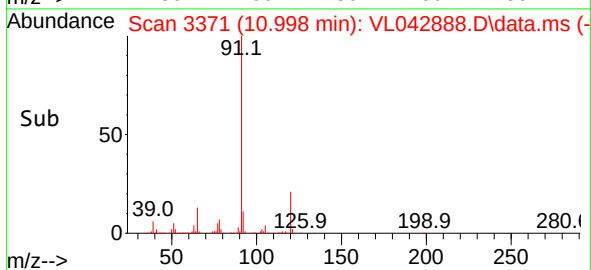
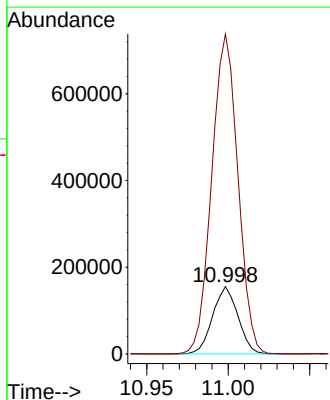
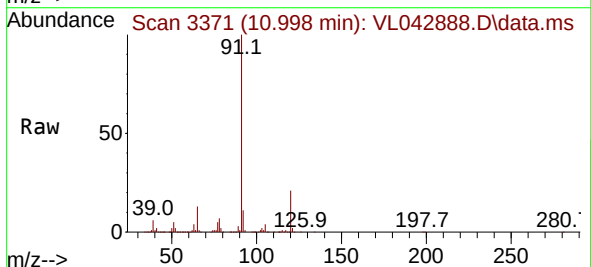
Manual Integrations  
APPROVED

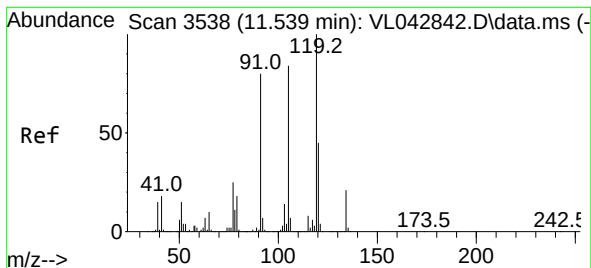
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025



#64  
n-propylbenzene  
Concen: 10.567 ppbv  
RT: 10.998 min Scan# 3371  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

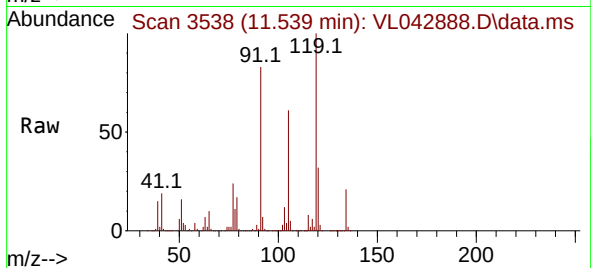
Tgt Ion:120 Resp: 167388  
Ion Ratio Lower Upper  
120 100  
91 491.3 375.8 563.6





#65  
tert-Butylbenzene  
Concen: 10.483 ppbv  
RT: 11.539 min Scan# 3538  
Delta R.T. -0.000 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

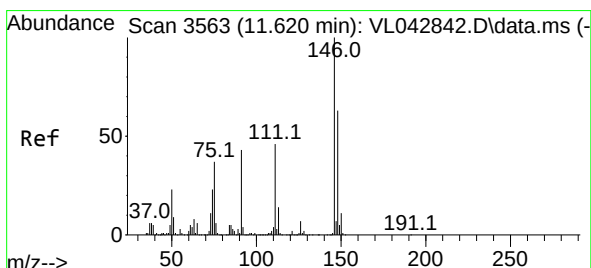
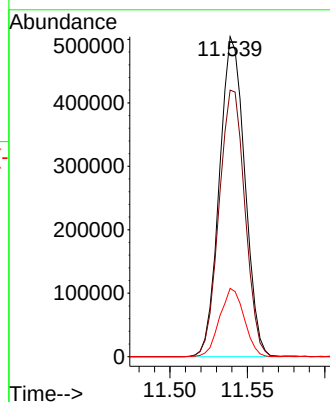
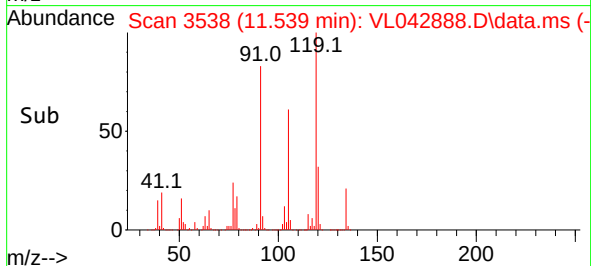
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



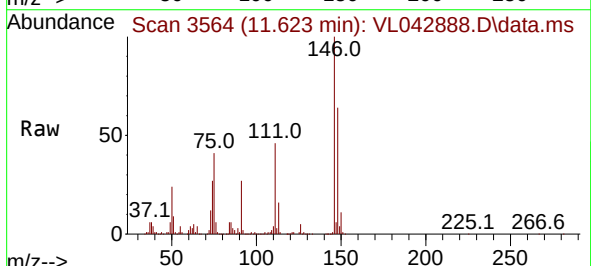
Tgt Ion: 119 Resp: 573769  
Ion Ratio Lower Upper  
119 100  
91 85.1 63.9 95.9  
134 20.7 17.0 25.4

Manual Integrations  
APPROVED

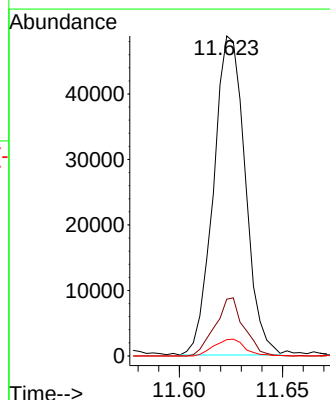
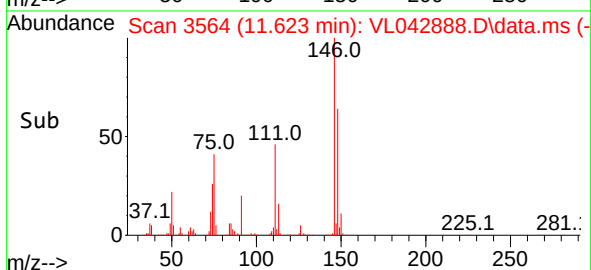
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025

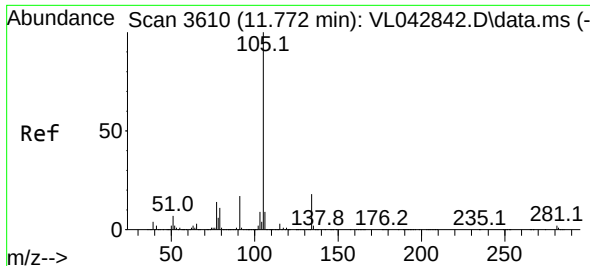


#66  
Benzyl Chloride  
Concen: 7.487 ppbv  
RT: 11.623 min Scan# 3564  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21



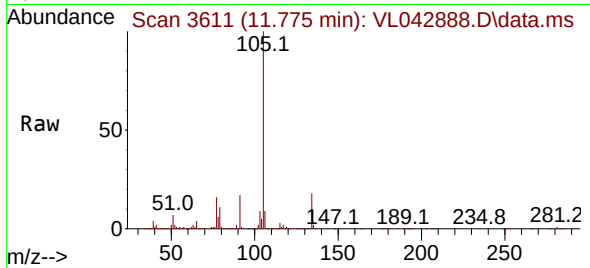
Tgt Ion: 91 Resp: 52019  
Ion Ratio Lower Upper  
91 100  
126 16.5 14.2 21.4  
128 5.2 5.0 7.6





#67  
 sec-Butylbenzene  
 Concen: 10.874 ppbv  
 RT: 11.775 min Scan# 3611  
 Delta R.T. 0.003 min  
 Lab File: VL042888.D  
 Acq: 04 Sep 2025 12:21

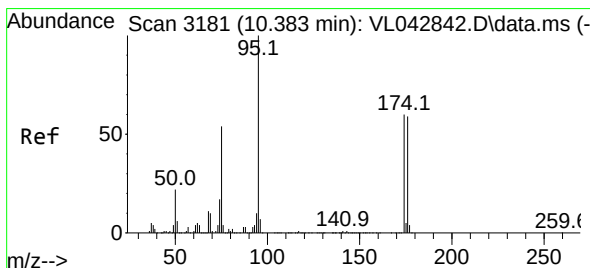
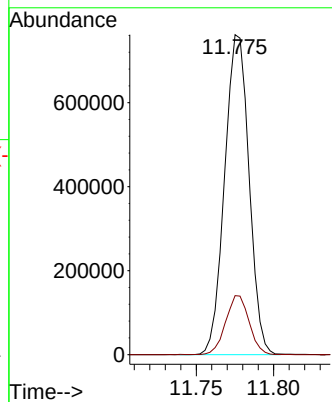
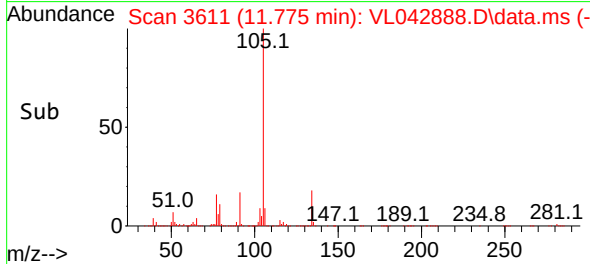
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDCCC010



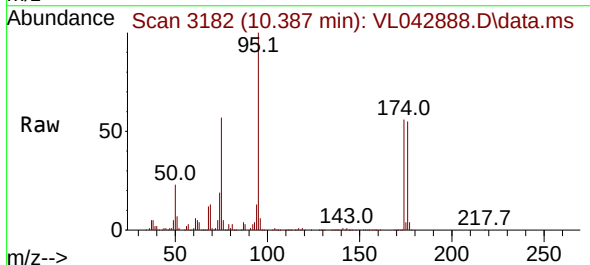
Tgt Ion: 105 Resp: 835362  
 Ion Ratio Lower Upper  
 105 100  
 134 17.9 14.9 22.3

Manual Integrations  
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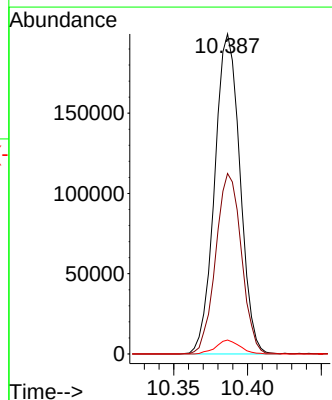
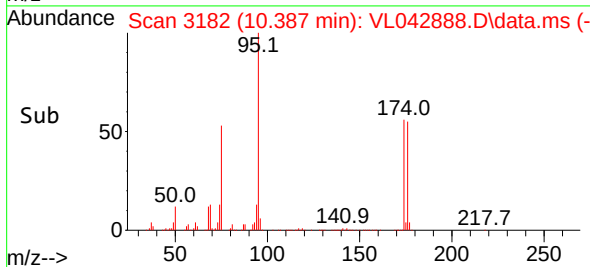
Reviewed By :Semsettin Yesilyurt 09/05/2025  
 Supervised By :Mahesh Dadoda 09/05/2025

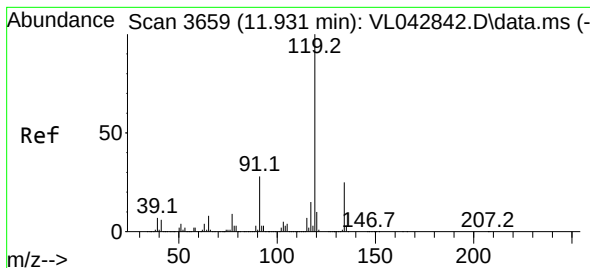


#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.401 ppbv  
 RT: 10.387 min Scan# 3182  
 Delta R.T. 0.003 min  
 Lab File: VL042888.D  
 Acq: 04 Sep 2025 12:21



Tgt Ion: 95 Resp: 238170  
 Ion Ratio Lower Upper  
 95 100  
 174 57.2 48.4 72.6  
 175 4.1 3.8 5.8





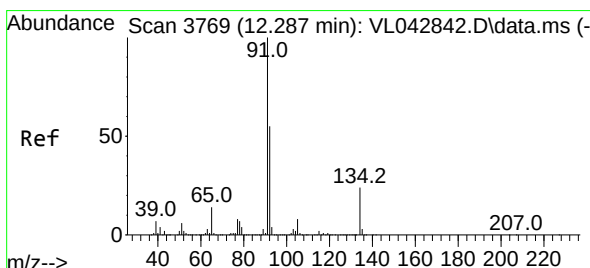
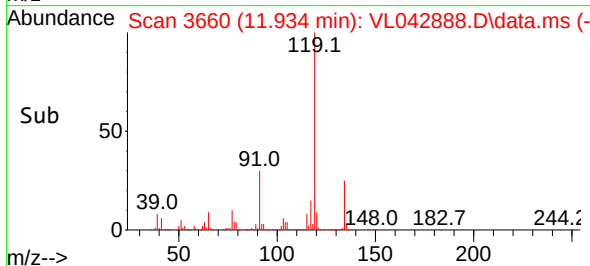
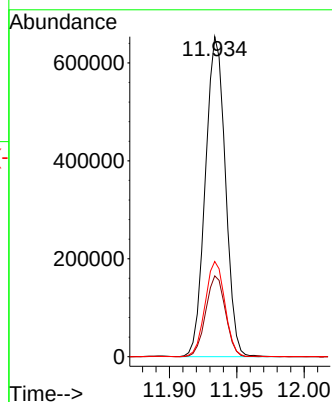
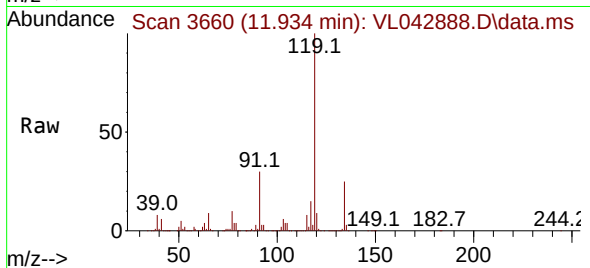
#69  
p-Isopropyltoluene  
Concen: 10.234 ppbv  
RT: 11.934 min Scan# 3659  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion:119 Resp: 675014  
Ion Ratio Lower Upper  
119 100  
134 24.9 20.6 30.8  
91 29.6 22.6 34.0

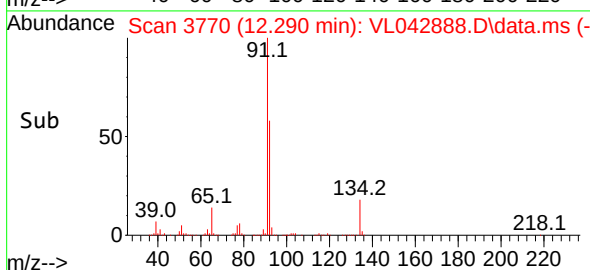
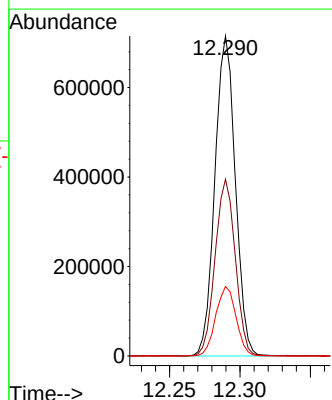
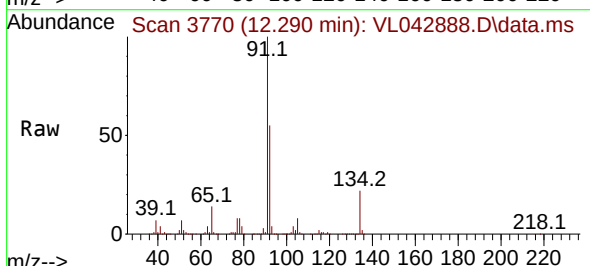
Manual Integrations  
APPROVED

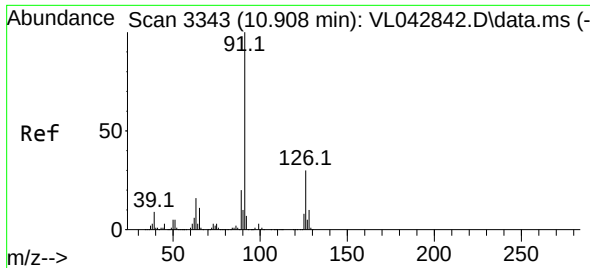
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025



#70  
n-Butylbenzene  
Concen: 11.012 ppbv  
RT: 12.290 min Scan# 3770  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

Tgt Ion: 91 Resp: 720311  
Ion Ratio Lower Upper  
91 100  
92 54.7 44.6 66.8  
134 21.7 19.0 28.4





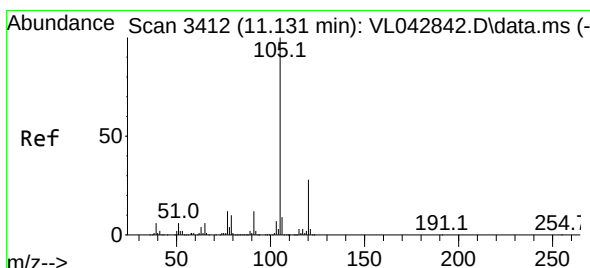
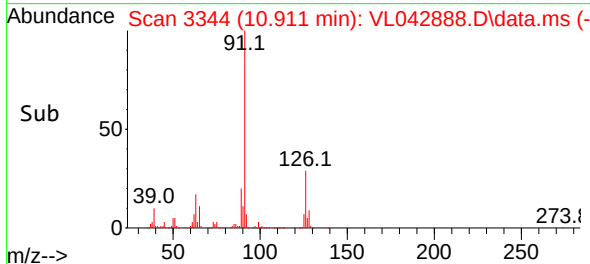
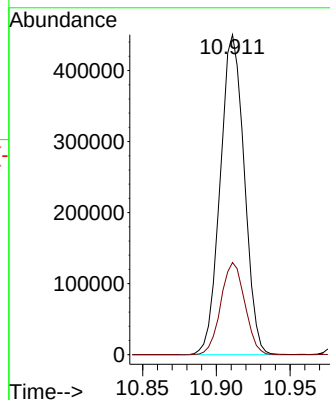
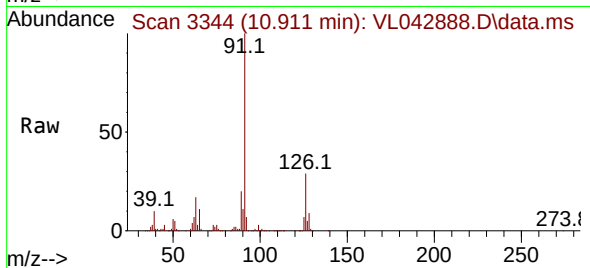
#71  
2-Chlorotoluene  
Concen: 10.599 ppbv  
RT: 10.911 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 91 Resp: 51098  
Ion Ratio Lower Upper  
91 100  
126 28.7 12.0 47.8

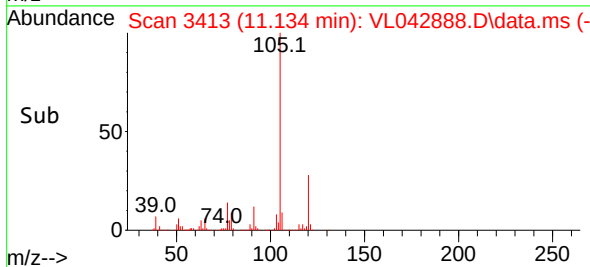
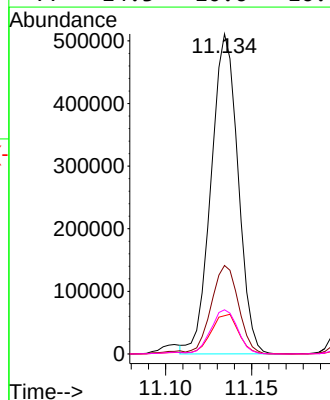
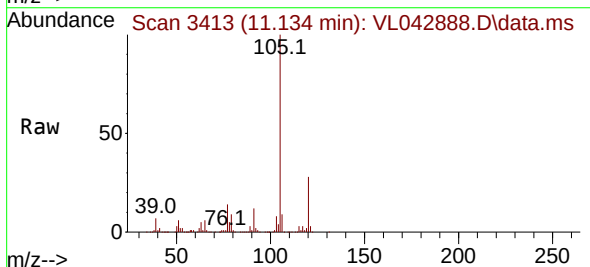
Manual Integrations  
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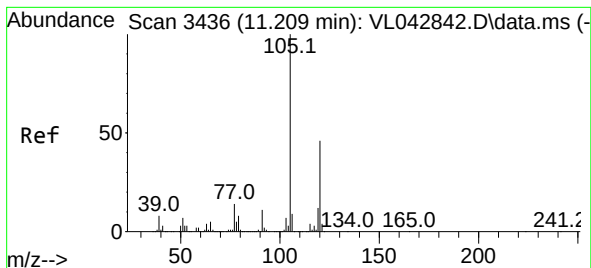
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025



#72  
4-Ethyltoluene  
Concen: 10.794 ppbv  
RT: 11.134 min Scan# 3413  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

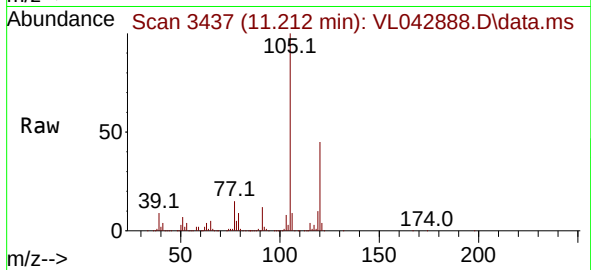
Tgt Ion:105 Resp: 555877  
Ion Ratio Lower Upper  
105 100  
120 28.8 23.4 35.2  
91 13.2 9.8 14.6  
77 14.3 10.6 16.0





#73  
1,3,5-Trimethylbenzene  
Concen: 10.571 ppbv  
RT: 11.212 min Scan# 3436  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

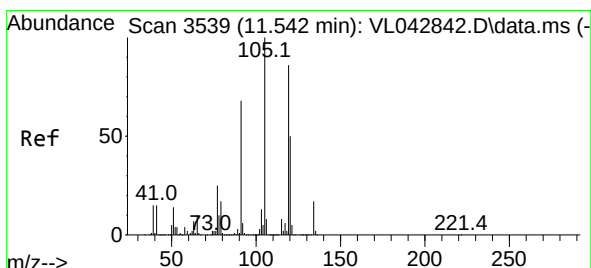
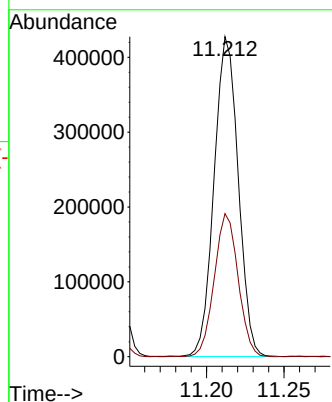
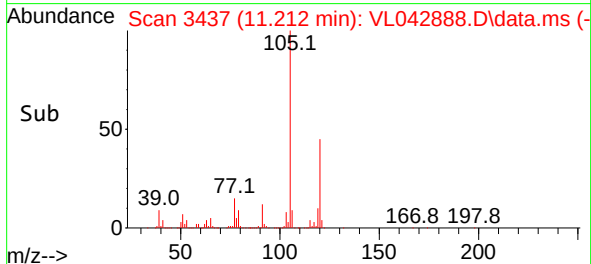
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



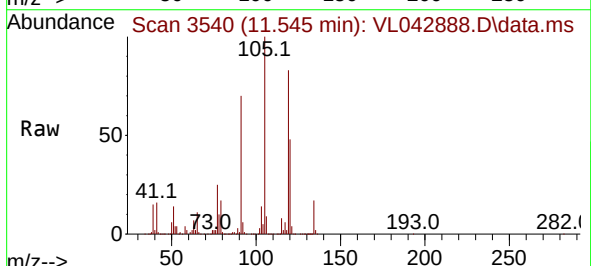
Tgt Ion:105 Resp: 462968  
Ion Ratio Lower Upper  
105 100  
120 44.7 36.6 54.8

Manual Integrations  
APPROVED

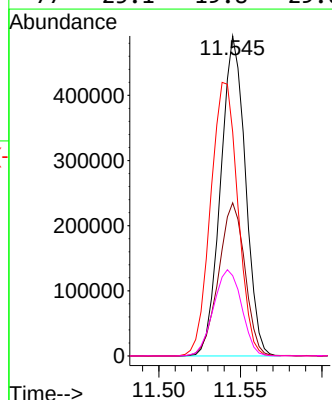
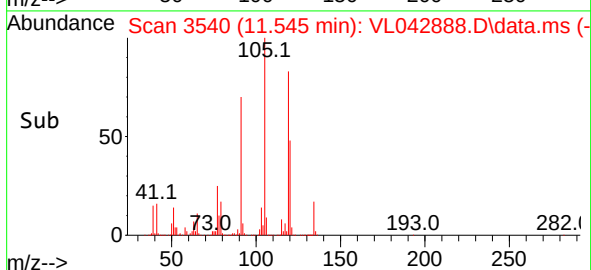
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025



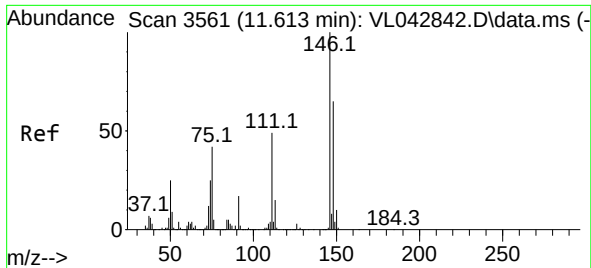
#74  
1,2,4-Trimethylbenzene  
Concen: 10.770 ppbv  
RT: 11.545 min Scan# 3540  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21



Tgt Ion:105 Resp: 517749  
Ion Ratio Lower Upper  
105 100  
120 47.8 39.8 59.6  
91 69.9 54.2 81.4  
77 25.1 19.8 29.6

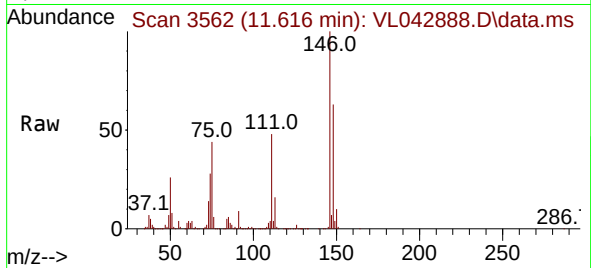






#75  
1,3-Dichlorobenzene  
Concen: 10.758 ppbv  
RT: 11.616 min Scan# 3562  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

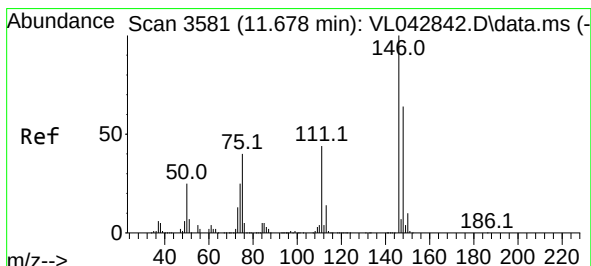
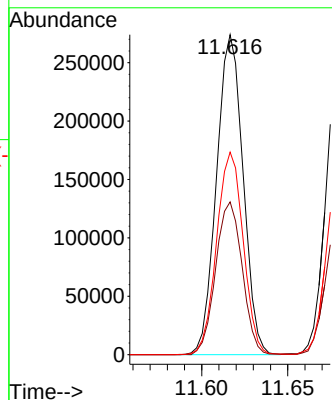
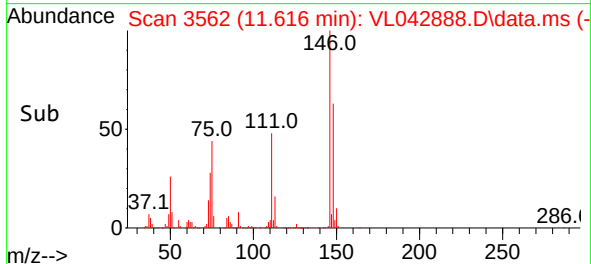
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



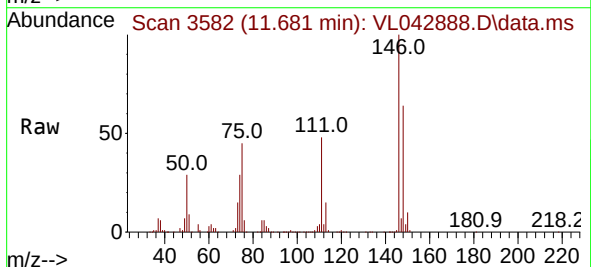
Tgt Ion:146 Resp: 293988  
Ion Ratio Lower Upper  
146 100  
111 47.8 23.9 71.7  
148 63.5 31.4 94.0

Manual Integrations  
APPROVED

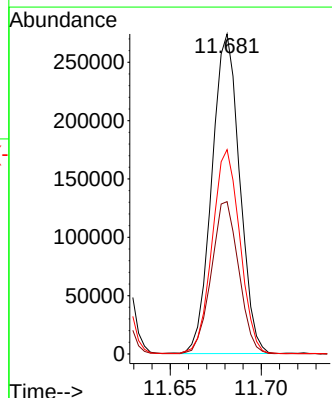
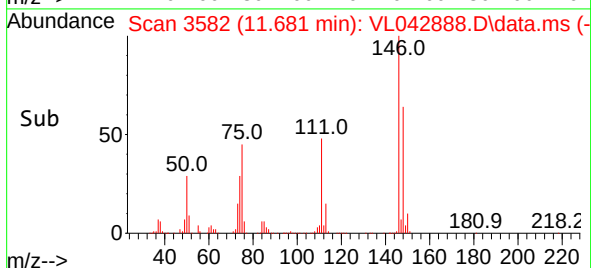
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025

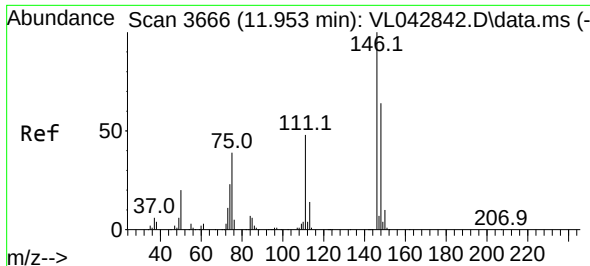


#76  
1,4-Dichlorobenzene  
Concen: 10.504 ppbv  
RT: 11.681 min Scan# 3582  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21



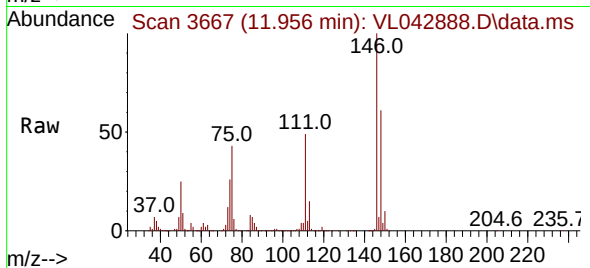
Tgt Ion:146 Resp: 290294  
Ion Ratio Lower Upper  
146 100  
111 47.3 22.7 68.1  
148 64.1 31.8 95.3





#77  
1,2-Dichlorobenzene  
Concen: 10.671 ppbv  
RT: 11.956 min Scan# 3667  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

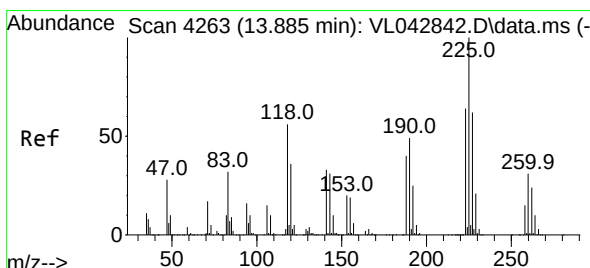
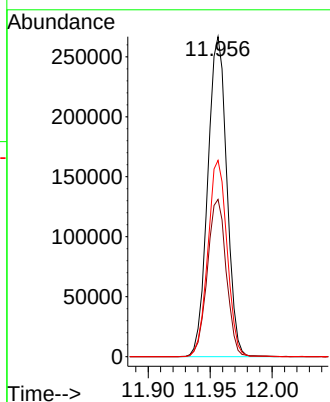
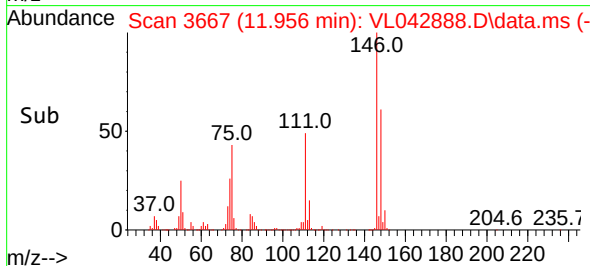
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



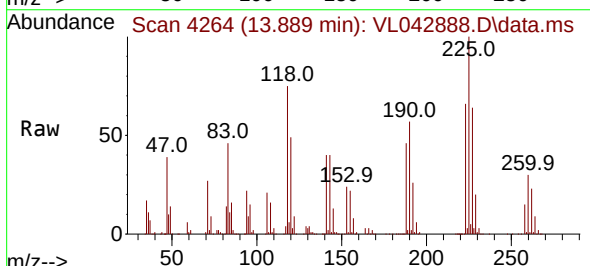
Tgt Ion:146 Resp: 285558  
Ion Ratio Lower Upper  
146 100  
111 49.0 24.6 74.0  
148 61.9 32.0 96.0

Manual Integrations  
APPROVED

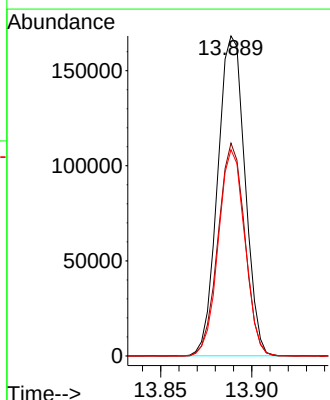
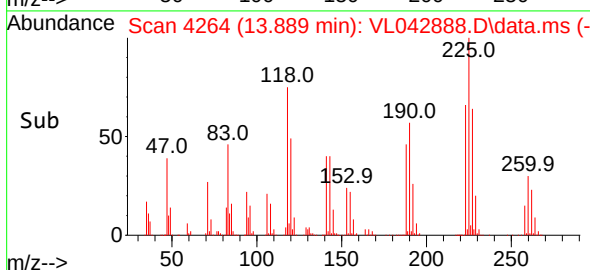
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025

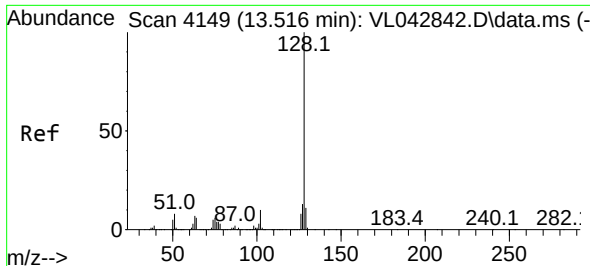


#78  
Hexachloro-1,3-Butadiene  
Concen: 7.984 ppbv  
RT: 13.889 min Scan# 4264  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21



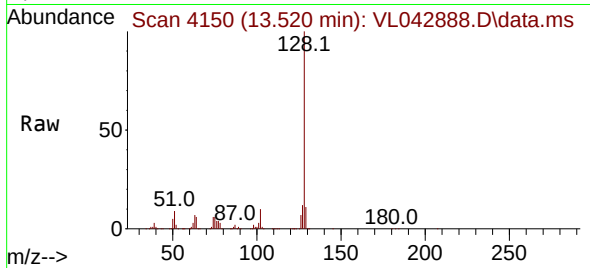
Tgt Ion:225 Resp: 175105  
Ion Ratio Lower Upper  
225 100  
223 64.8 51.4 77.2  
227 62.6 51.9 77.9





#79  
Naphthalene  
Concen: 10.188 ppbv  
RT: 13.520 min Scan# 4149  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21

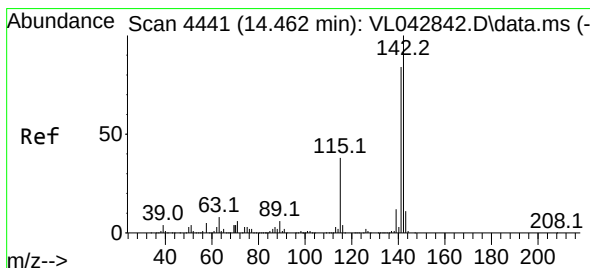
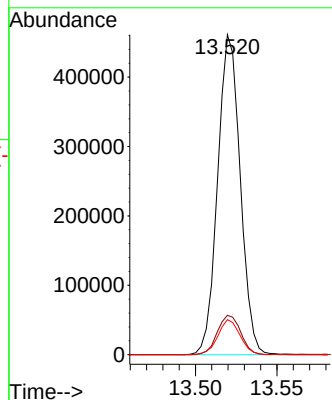
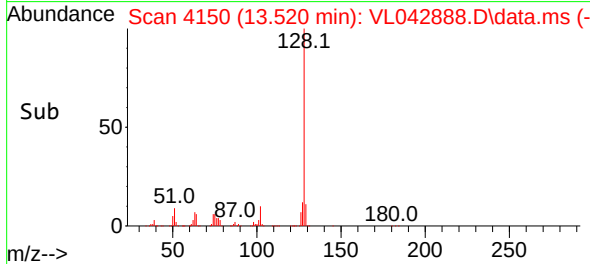
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



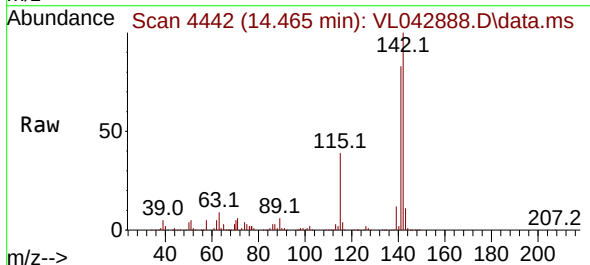
Tgt Ion:128 Resp: 444012  
Ion Ratio Lower Upper  
128 100  
127 12.3 10.6 16.0  
129 10.9 8.9 13.3

Manual Integrations  
APPROVED

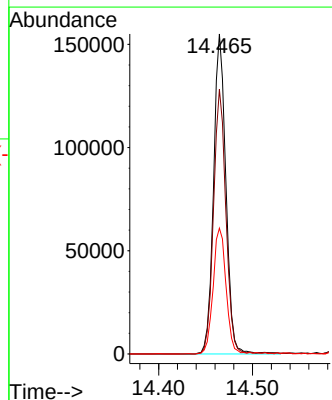
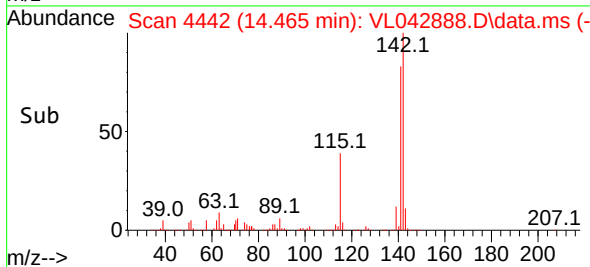
Reviewed By :Semsettin Yesilyurt 09/05/2025  
Supervised By :Mahesh Dadoda 09/05/2025

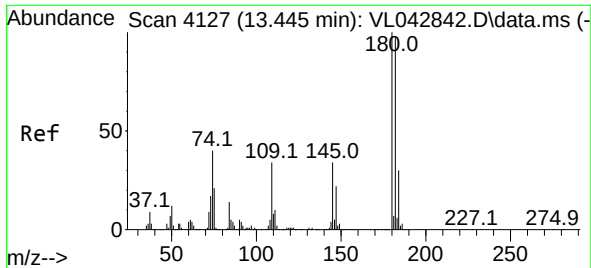


#80  
Naphthalene,2-methyl-  
Concen: 8.670 ppbv  
RT: 14.465 min Scan# 4442  
Delta R.T. 0.003 min  
Lab File: VL042888.D  
Acq: 04 Sep 2025 12:21



Tgt Ion:142 Resp: 141188  
Ion Ratio Lower Upper  
142 100  
141 84.1 67.0 100.6  
115 42.2 30.9 46.3





#81

1,2,4-Trichlorobenzene

Concen: 9.877 ppbv

RT: 13.448 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042888.D

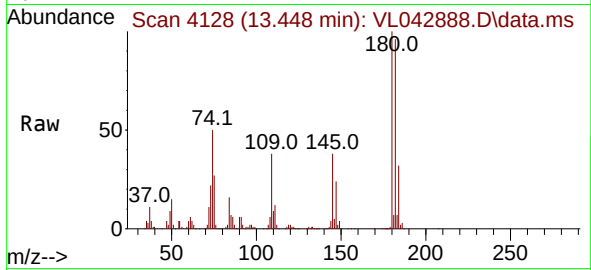
Acq: 04 Sep 2025 12:21

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 216348

Ion Ratio Lower Upper

180 100

182 95.6 76.9 115.3

184 30.0 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/05/2025

Supervised By :Mahesh Dadoda 09/05/2025

