

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042825\  
 Data File : VL042416.D  
 Acq On : 28 Apr 2025 08:44  
 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 04/29/2025  
 Supervised By :Mahesh Dadoda 04/30/2025

Quant Time: Apr 29 01:31:14 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.784 | 49   | 121989   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.955 | 114  | 345031   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.878 | 117  | 305240   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 264197 10.533 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.300%

Target Compounds

|                               |       |     |        |        |        | Qvalue |
|-------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 219089 | 10.165 | ppbv   | 98     |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 192111 | 9.360  | ppbv   | 99     |
| 4) Chloromethane              | 1.531 | 50  | 85195  | 9.988  | ppbv   | 98     |
| 5) Vinyl Chloride             | 1.580 | 62  | 82863  | 8.925  | ppbv   | 100    |
| 6) Bromomethane               | 1.667 | 94  | 37396  | 9.376  | ppbv   | 83     |
| 7) Chloroethane               | 1.703 | 64  | 32235  | 9.600  | ppbv   | 99     |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 189174 | 10.223 | ppbv   | 95     |
| 9) Propene                    | 1.483 | 41  | 75996  | 8.131  | ppbv   | 98     |
| 10) Heptane                   | 4.975 | 43  | 205785 | 7.837  | ppbv   | 98     |
| 11) Trichlorofluoromethane    | 1.874 | 101 | 210830 | 10.286 | ppbv   | 95     |
| 12) 1,1,2-Trichlorotrifluo... | 2.136 | 101 | 163109 | 9.733  | ppbv   | 97     |
| 13) Ethanol                   | 1.719 | 45  | 4612   | 3.104  | ppbv   | 98     |
| 14) Bromoethene               | 1.780 | 108 | 63235  | 10.010 | ppbv   | 97     |
| 15) Acetone                   | 1.832 | 43  | 172207 | 8.623  | ppbv   | 100    |
| 16) 1,3-Butadiene             | 1.609 | 39  | 84816  | 8.880  | ppbv   | 98     |
| 17) tert-Butyl alcohol        | 2.039 | 59  | 226804 | 9.164  | ppbv   | 100    |
| 18) 1,1-Dichloroethene        | 2.033 | 96  | 73751  | 9.420  | ppbv   | 96     |
| 19) Isopropyl Alcohol         | 1.884 | 45  | 101011 | 9.105  | ppbv   | 93     |
| 20) Methylene Chloride        | 2.059 | 84  | 62506  | 7.992  | ppbv   | 90     |
| 21) Allyl Chloride            | 2.094 | 41  | 125215 | 9.081  | ppbv   | 97     |
| 22) trans-1,2-Dichloroethene  | 2.337 | 96  | 81589  | 9.153  | ppbv   | 94     |
| 23) Vinyl Acetate             | 2.460 | 43  | 64907  | 8.030  | ppbv   | 97     |
| 24) 1,1-Dichloroethane        | 2.405 | 63  | 163124 | 9.634  | ppbv   | 99     |
| 25) Ethyl Acetate             | 2.835 | 43  | 425121 | 8.634  | ppbv   | 99     |
| 26) Hexane                    | 2.823 | 57  | 166789 | 8.370  | ppbv   | 98     |
| 27) Carbon Disulfide          | 2.146 | 76  | 205605 | 9.637  | ppbv   | 96     |
| 28) Methyl tert-Butyl Ether   | 2.437 | 73  | 116474 | 8.922  | ppbv   | 93     |
| 29) Chloroform                | 2.845 | 83  | 280938 | 9.975  | ppbv   | 99     |
| 30) Cyclohexane               | 3.852 | 84  | 142532 | 8.849  | ppbv   | 98     |
| 31) cis-1,2-Dichloroethene    | 2.719 | 61  | 181514 | 9.581  | ppbv   | 96     |
| 32) 1,1,1-Trichloroethane     | 3.363 | 97  | 301259 | 9.501  | ppbv   | 99     |
| 34) 2-Butanone                | 2.554 | 43  | 241047 | 8.834  | ppbv   | 99     |
| 35) Carbon Tetrachloride      | 3.758 | 117 | 305477 | 9.783  | ppbv   | 96     |
| 36) Benzene                   | 3.654 | 78  | 338736 | 9.102  | ppbv   | 97     |
| 37) 1,2-Dichloroethane        | 3.214 | 62  | 235966 | 10.564 | ppbv   | 97     |
| 38) Trichloroethene           | 4.541 | 130 | 136731 | 8.406  | ppbv   | 95     |
| 39) 1,2-Dichloropropane       | 4.308 | 63  | 122213 | 8.813  | ppbv   | 97     |
| 40) 1,4-Dioxane               | 4.577 | 88  | 58837  | 7.720  | ppbv # | 95     |
| 41) Tetrahydrofuran           | 3.052 | 42  | 133063 | 8.363  | ppbv   | 99     |
| 42) Bromodichloromethane      | 4.483 | 83  | 310726 | 9.996  | ppbv # | 96     |
| 43) Methyl Methacrylate       | 4.878 | 69  | 138030 | 8.230  | ppbv   | 94     |
| 44) 2,2,4-Trimethylpentane    | 4.635 | 57  | 562403 | 8.750  | ppbv   | 96     |
| 45) t-1,3-Dichloropropene     | 6.409 | 75  | 157191 | 9.175  | ppbv   | 95     |

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 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/29/2025  
 Supervised By : Mahesh Dadoda 04/30/2025

Quant Time: Apr 29 01:31:14 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M

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

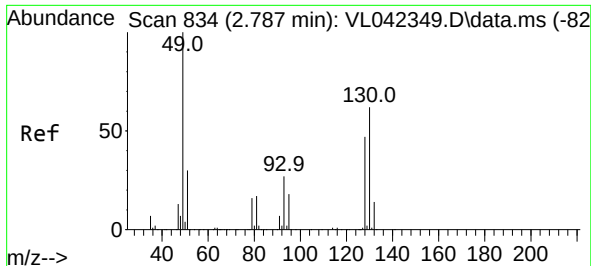
QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.593  | 75   | 191165   | 9.117  | ppbv # | 88       |
| 47) 1,1,2-Trichloroethane     | 6.574  | 97   | 133821   | 9.471  | ppbv   | 96       |
| 48) Dibromochloromethane      | 7.383  | 129  | 245439   | 9.832  | ppbv   | 99       |
| 49) Bromoform                 | 9.480  | 173  | 198991   | 9.117  | ppbv   | 100      |
| 50) 4-Methyl-2-Pentanone      | 5.748  | 43   | 356129   | 7.854  | ppbv   | 99       |
| 51) 2-Hexanone                | 7.431  | 43   | 287045   | 7.058  | ppbv   | 98       |
| 52) Tetrachloroethene         | 8.221  | 164  | 114038   | 7.928  | ppbv   | 91       |
| 53) Toluene                   | 6.927  | 91   | 398162   | 8.916  | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 7.648  | 107  | 189639   | 9.378  | ppbv   | 92       |
| 56) 1,1,1,2-Tetrachloroethane | 8.920  | 131  | 184161   | 9.969  | ppbv   | 97       |
| 57) Chlorobenzene             | 8.917  | 112  | 300677   | 9.471  | ppbv   | 98       |
| 58) Ethyl Benzene             | 9.354  | 91   | 568129   | 9.394  | ppbv   | 98       |
| 59) m/p-Xylene                | 9.548  | 91   | 929203m  | 19.073 | ppbv   |          |
| 60) o-Xylene                  | 9.963  | 91   | 466411   | 9.507  | ppbv   | 97       |
| 61) Styrene                   | 9.865  | 104  | 213119   | 9.101  | ppbv   | 98       |
| 62) Isopropylbenzene          | 10.535 | 105  | 680837   | 9.452  | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 9.959  | 83   | 274653   | 8.639  | ppbv   | 99       |
| 64) n-propylbenzene           | 10.989 | 120  | 166984   | 9.223  | ppbv   | 98       |
| 65) tert-Butylbenzene         | 11.529 | 119  | 610304   | 9.219  | ppbv   | 95       |
| 66) Benzyl Chloride           | 11.613 | 91   | 59187    | 8.136  | ppbv   | 99       |
| 67) sec-Butylbenzene          | 11.765 | 105  | 854169   | 9.276  | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 11.924 | 119  | 732365   | 9.155  | ppbv   | 97       |
| 70) n-Butylbenzene            | 12.280 | 91   | 765539   | 9.188  | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 10.898 | 91   | 534834   | 9.467  | ppbv   | 98       |
| 72) 4-Ethyltoluene            | 11.121 | 105  | 556591   | 9.280  | ppbv   | 97       |
| 73) 1,3,5-Trimethylbenzene    | 11.202 | 105  | 487223   | 9.201  | ppbv   | 98       |
| 74) 1,2,4-Trimethylbenzene    | 11.536 | 105  | 541720   | 8.759  | ppbv   | 94       |
| 75) 1,3-Dichlorobenzene       | 11.607 | 146  | 287285   | 8.936  | ppbv   | 97       |
| 76) 1,4-Dichlorobenzene       | 11.671 | 146  | 290512   | 8.991  | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 11.943 | 146  | 279962   | 8.956  | ppbv   | 98       |
| 78) Hexachloro-1,3-Butadiene  | 13.879 | 225  | 265745   | 8.419  | ppbv   | 100      |
| 79) Naphthalene               | 13.513 | 128  | 622606   | 8.418  | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 14.455 | 142  | 328047   | 7.783  | ppbv   | 95       |
| 81) 1,2,4-Trichlorobenzene    | 13.439 | 180  | 269711   | 8.493  | ppbv   | 99       |

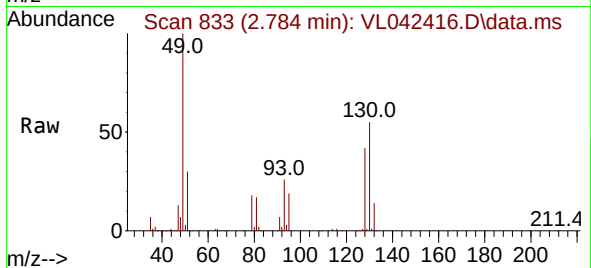
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.784 min Scan# 811  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

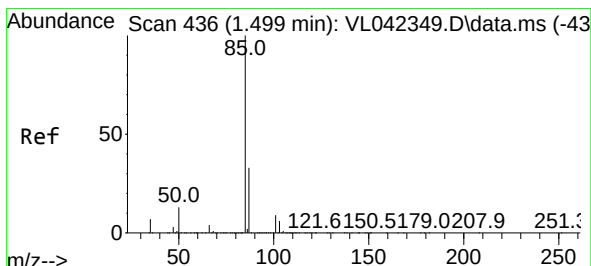
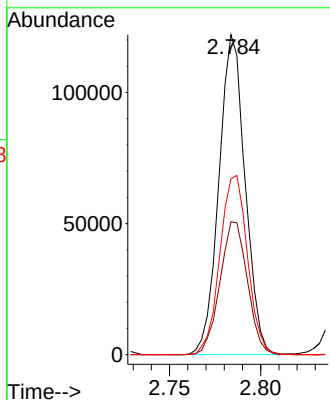
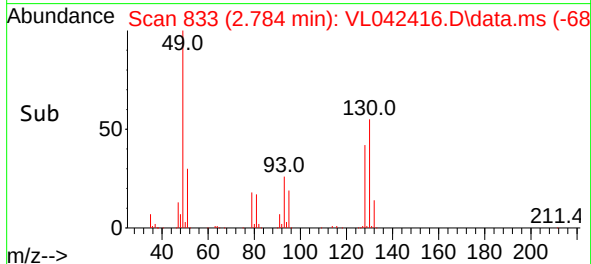
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 49 Resp: 121989  
Ion Ratio Lower Upper  
49 100  
128 43.6 22.8 68.4  
130 59.0 29.3 88.0

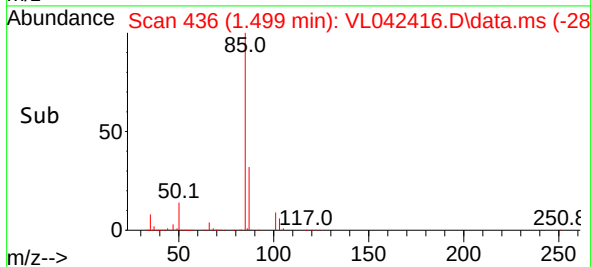
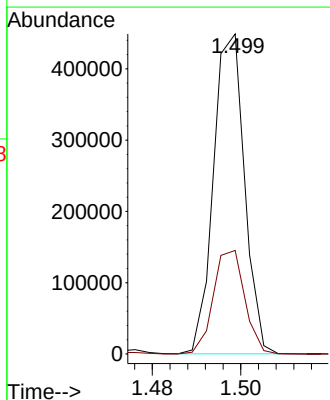
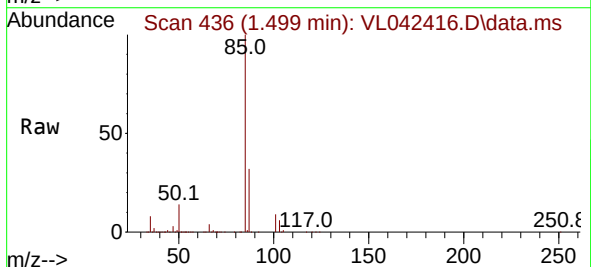
Manual Integrations  
APPROVED

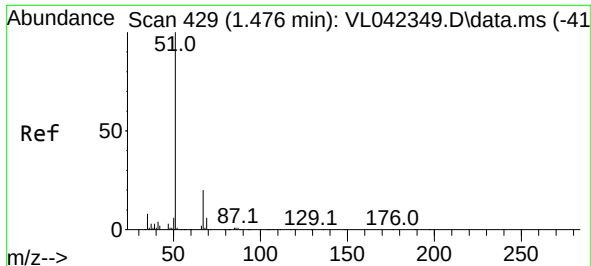
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



#2  
Dichlorodifluoromethane  
Concen: 10.165 ppbv  
RT: 1.499 min Scan# 436  
Delta R.T. -0.000 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

Tgt Ion: 85 Resp: 219089  
Ion Ratio Lower Upper  
85 100  
87 32.3 26.6 39.8





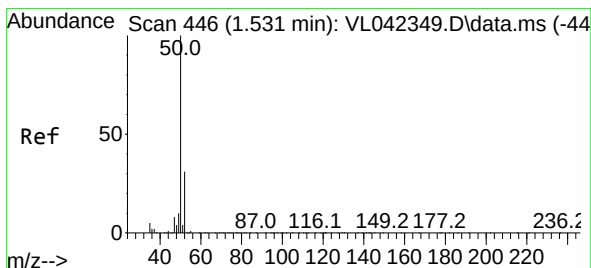
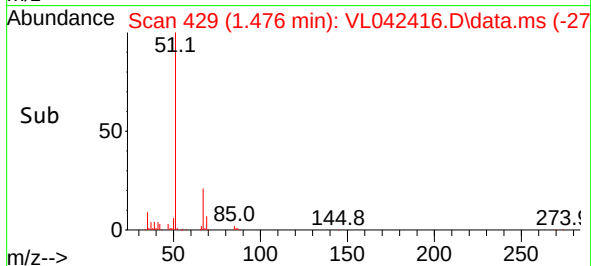
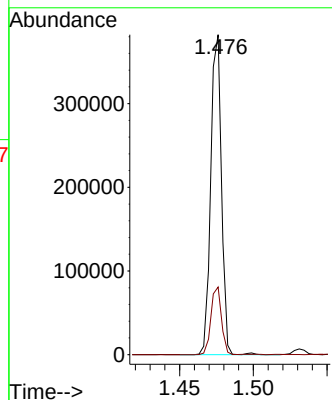
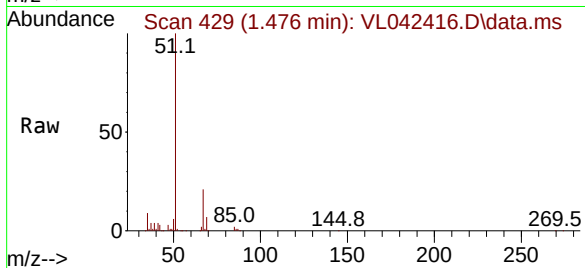
#3  
Chlorodifluoromethane  
Concen: 9.360 ppbv  
RT: 1.476 min Scan# 429  
Delta R.T. -0.000 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 51 Resp: 19211  
Ion Ratio Lower Upper  
51 100  
67 21.0 16.2 24.4

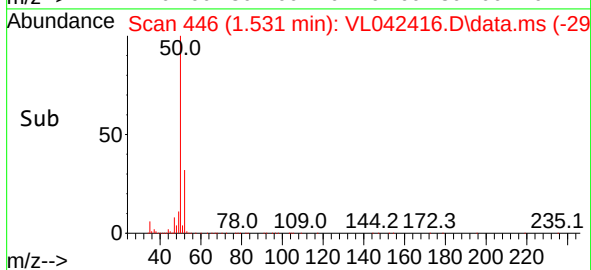
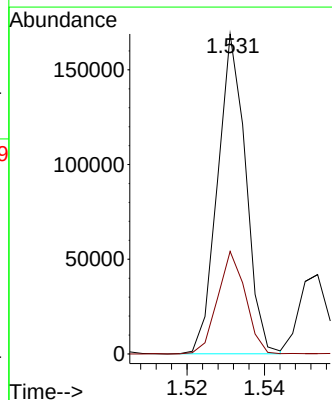
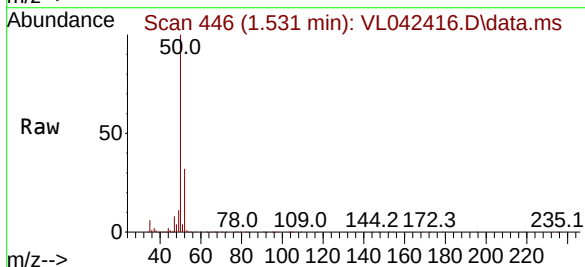
Manual Integrations  
APPROVED

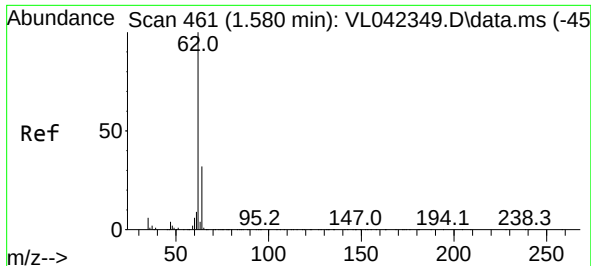
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



#4  
Chloromethane  
Concen: 9.988 ppbv  
RT: 1.531 min Scan# 446  
Delta R.T. -0.000 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

Tgt Ion: 50 Resp: 85195  
Ion Ratio Lower Upper  
50 100  
52 32.0 24.7 37.1





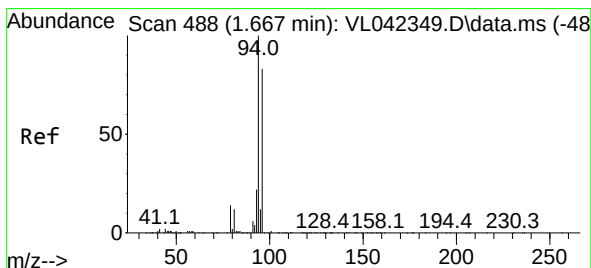
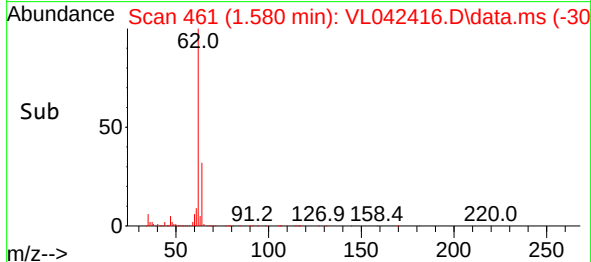
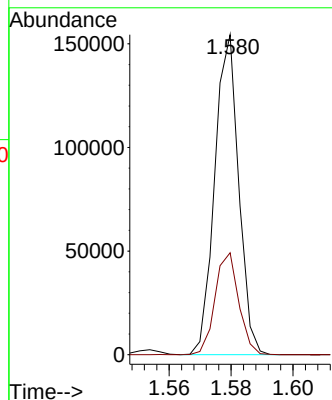
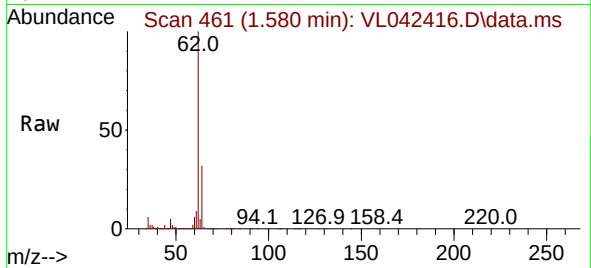
#5  
 Vinyl Chloride  
 Concen: 8.925 ppbv  
 RT: 1.580 min Scan# 461  
 Delta R.T. -0.000 min  
 Lab File: VL042416.D  
 Acq: 28 Apr 2025 08:44

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Tgt Ion: 62 Resp: 8286  
 Ion Ratio Lower Upper  
 62 100  
 64 31.8 25.4 38.0

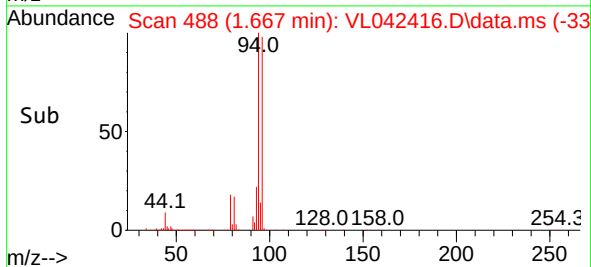
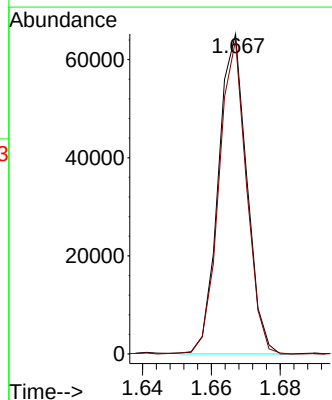
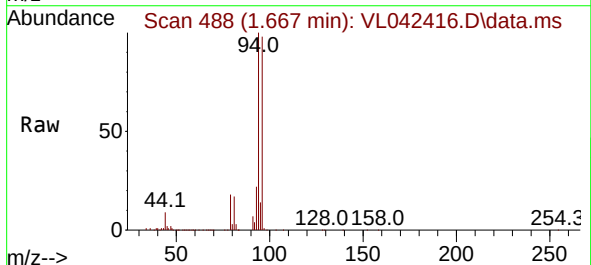
Manual Integrations  
 APPROVED

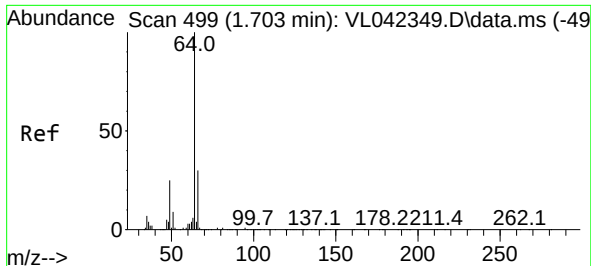
Reviewed By :Semsettin Yesilyurt 04/29/2025  
 Supervised By :Mahesh Dadoda 04/30/2025



#6  
 Bromomethane  
 Concen: 9.376 ppbv  
 RT: 1.667 min Scan# 488  
 Delta R.T. -0.000 min  
 Lab File: VL042416.D  
 Acq: 28 Apr 2025 08:44

Tgt Ion: 94 Resp: 37396  
 Ion Ratio Lower Upper  
 94 100  
 96 97.7 66.2 99.2





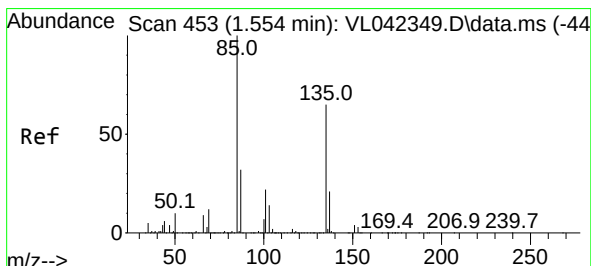
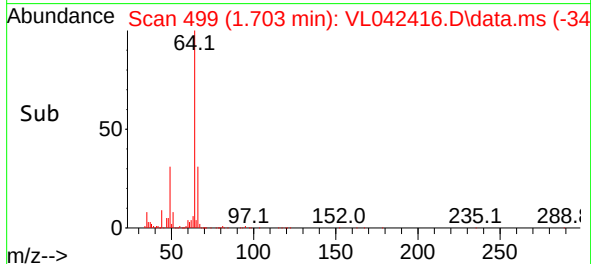
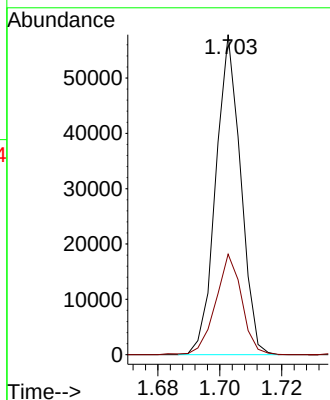
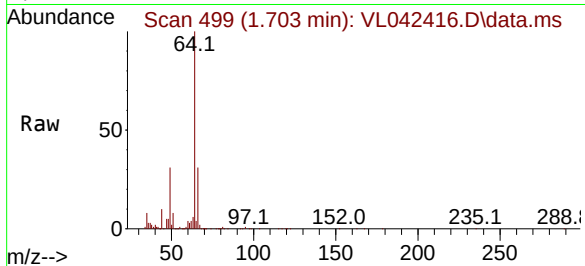
#7  
Chloroethane  
Concen: 9.600 ppbv  
RT: 1.703 min Scan# 499  
Delta R.T. -0.000 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 64 Resp: 32235  
Ion Ratio Lower Upper  
64 100  
66 31.4 24.6 37.0

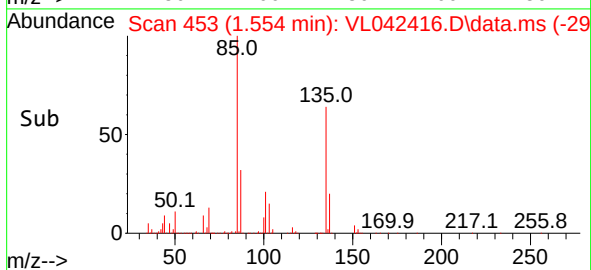
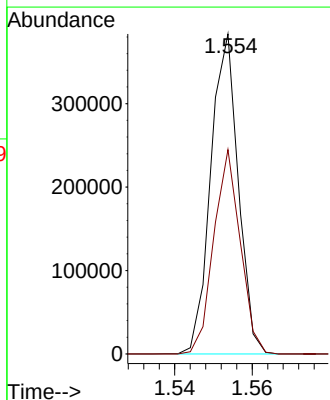
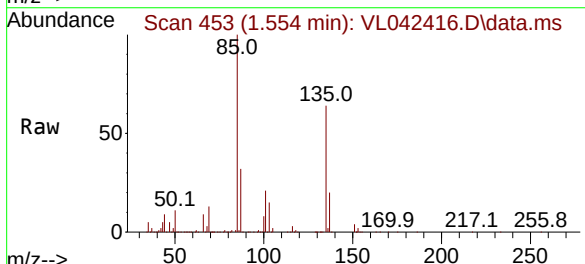
Manual Integrations  
APPROVED

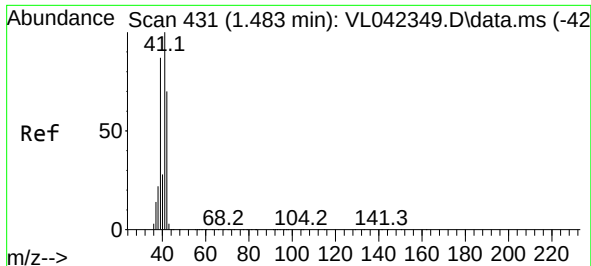
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



#8  
Dichlorotetrafluoroethane  
Concen: 10.223 ppbv  
RT: 1.554 min Scan# 453  
Delta R.T. -0.000 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

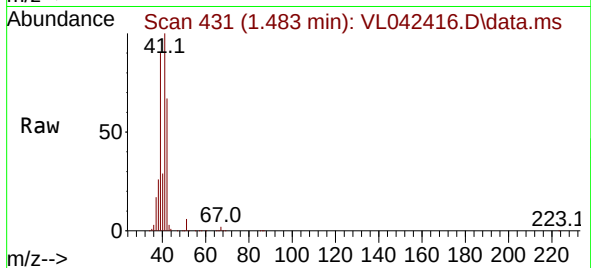
Tgt Ion: 85 Resp: 189174  
Ion Ratio Lower Upper  
85 100  
135 61.6 52.2 78.2





#9  
Propene  
Concen: 8.131 ppbv  
RT: 1.483 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

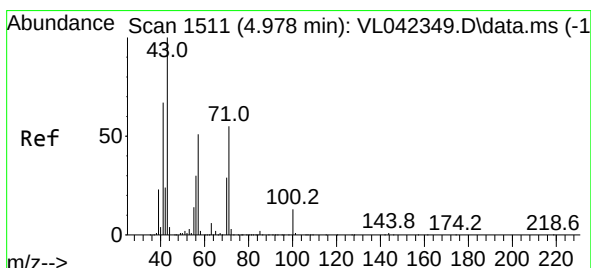
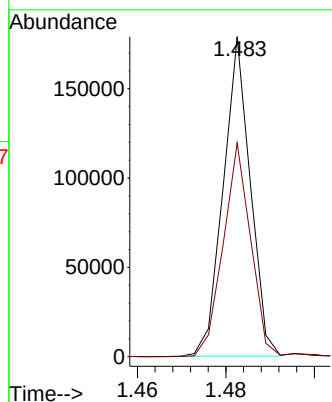
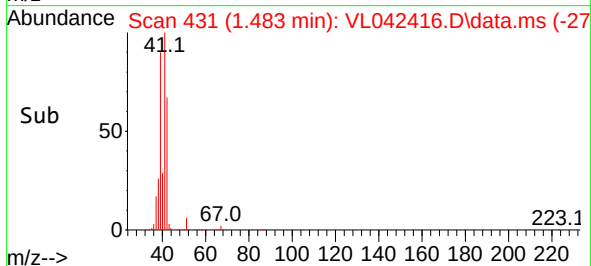
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



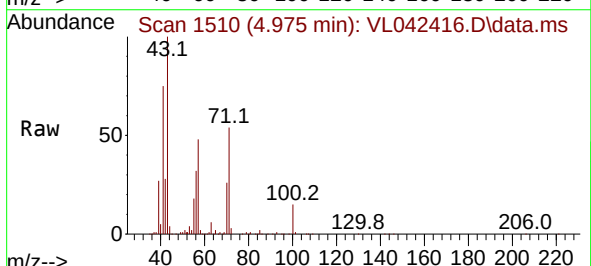
Tgt Ion: 41 Resp: 75990  
Ion Ratio Lower Upper  
41 100  
42 69.0 56.2 84.4

Manual Integrations  
APPROVED

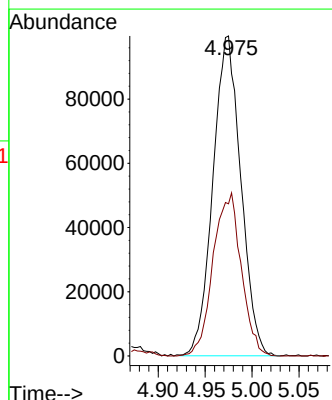
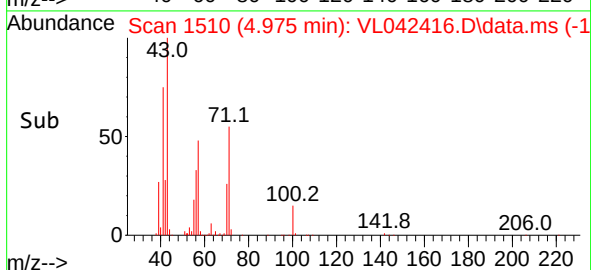
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



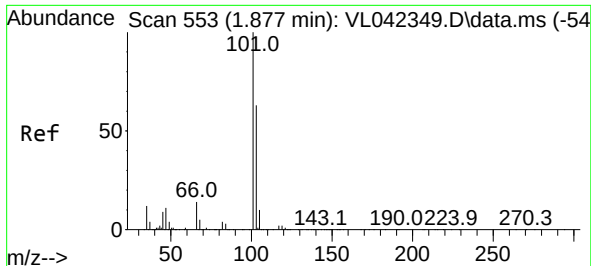
#10  
Heptane  
Concen: 7.837 ppbv  
RT: 4.975 min Scan# 1510  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44



Tgt Ion: 43 Resp: 205785  
Ion Ratio Lower Upper  
43 100  
57 51.3 39.9 59.9

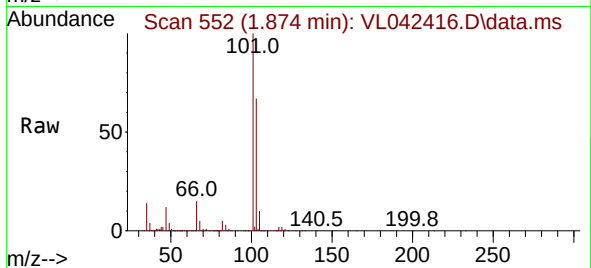






#11  
 Trichlorofluoromethane  
 Concen: 10.286 ppbv  
 RT: 1.874 min Scan# 511  
 Delta R.T. -0.003 min  
 Lab File: VL042416.D  
 Acq: 28 Apr 2025 08:44

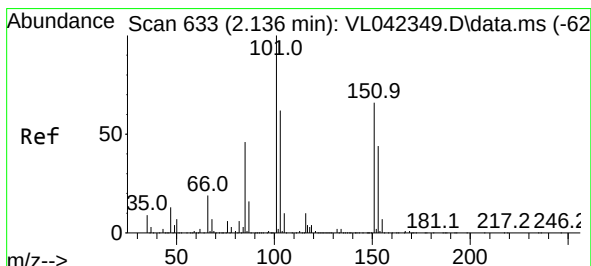
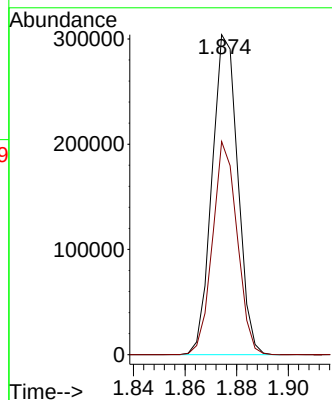
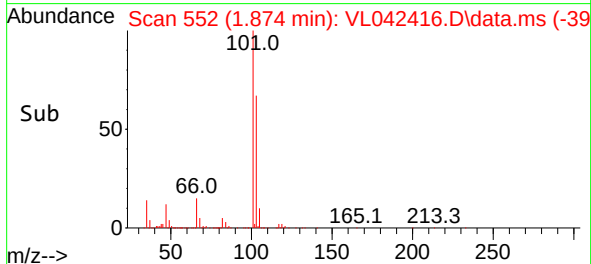
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



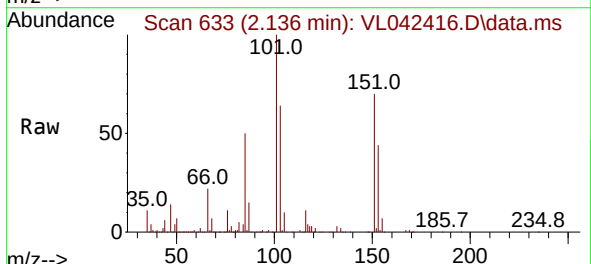
Tgt Ion:101 Resp: 210830  
 Ion Ratio Lower Upper  
 101 100  
 103 66.6 50.1 75.1

Manual Integrations  
 APPROVED

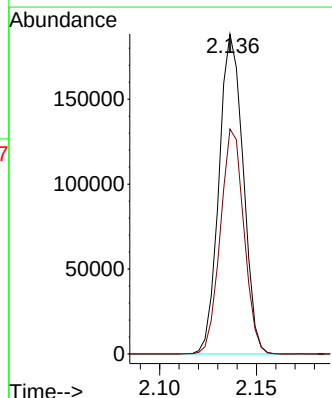
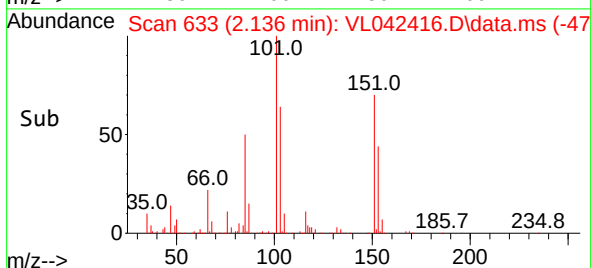
Reviewed By :Semsettin Yesilyurt 04/29/2025  
 Supervised By :Mahesh Dadoda 04/30/2025

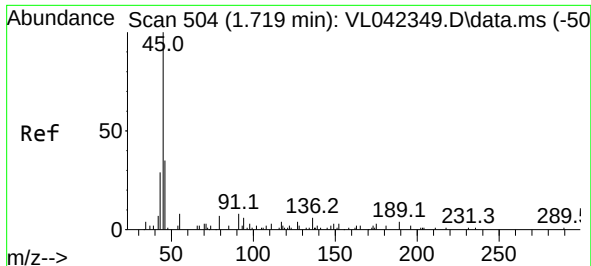


#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 9.733 ppbv  
 RT: 2.136 min Scan# 633  
 Delta R.T. -0.000 min  
 Lab File: VL042416.D  
 Acq: 28 Apr 2025 08:44



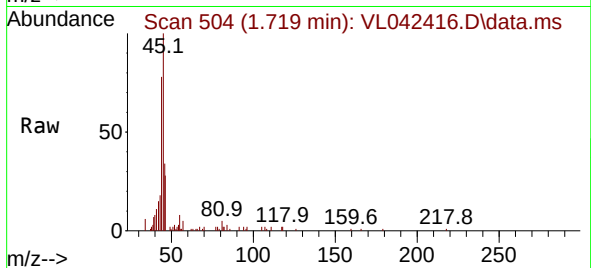
Tgt Ion:101 Resp: 163109  
 Ion Ratio Lower Upper  
 101 100  
 151 68.6 57.0 85.6





#13  
Ethanol  
Concen: 3.104 ppbv  
RT: 1.719 min Scan# 504  
Delta R.T. -0.000 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

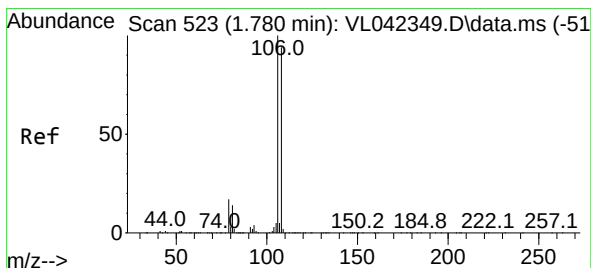
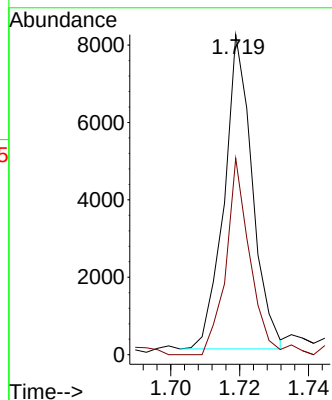
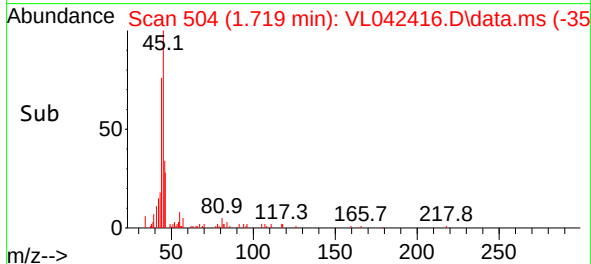
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



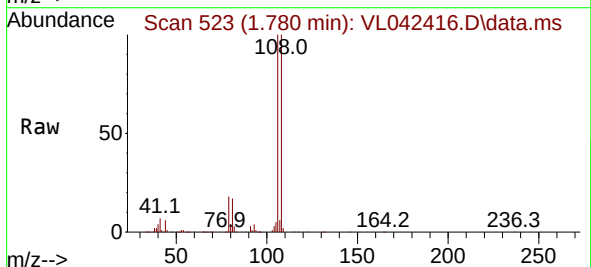
Tgt Ion: 45 Resp: 4612  
Ion Ratio Lower Upper  
45 100  
46 56.4 21.9 87.7

Manual Integrations  
APPROVED

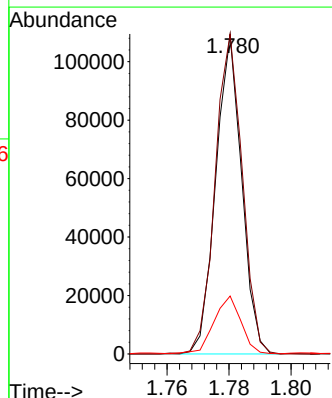
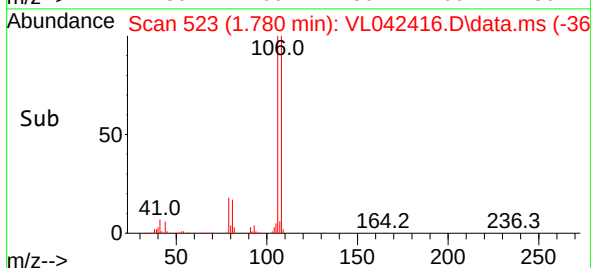
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025

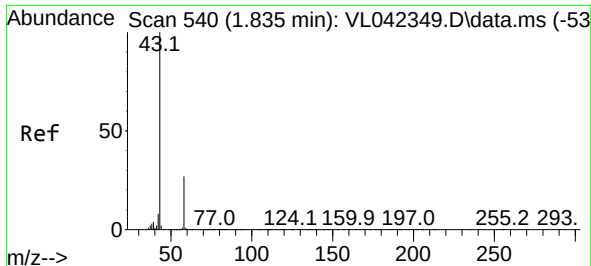


#14  
Bromoethene  
Concen: 10.010 ppbv  
RT: 1.780 min Scan# 523  
Delta R.T. -0.000 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44



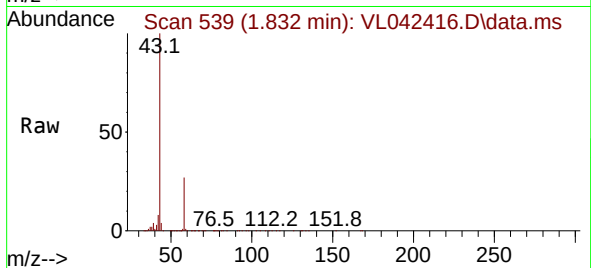
Tgt Ion:108 Resp: 63235  
Ion Ratio Lower Upper  
108 100  
106 105.2 85.9 128.9  
79 20.7 13.9 20.9





#15  
Acetone  
Concen: 8.623 ppbv  
RT: 1.832 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

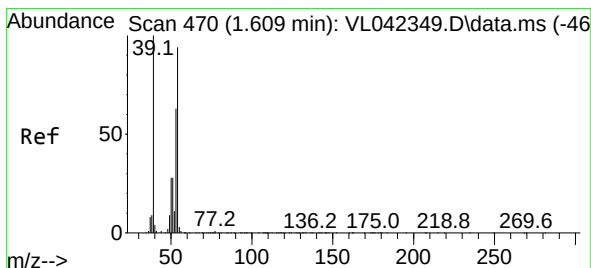
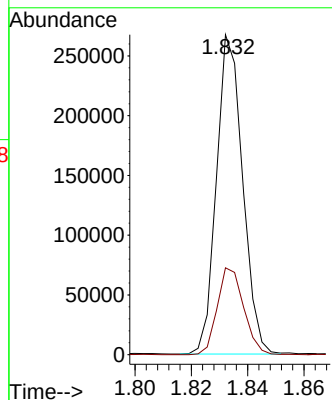
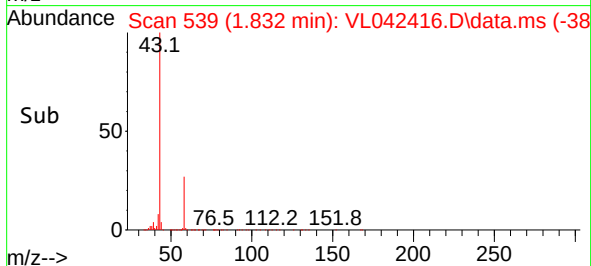
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 43 Resp: 17220  
Ion Ratio Lower Upper  
43 100  
58 27.7 22.4 33.6

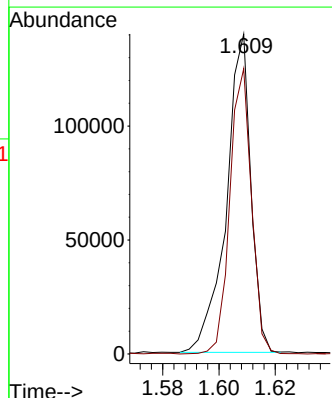
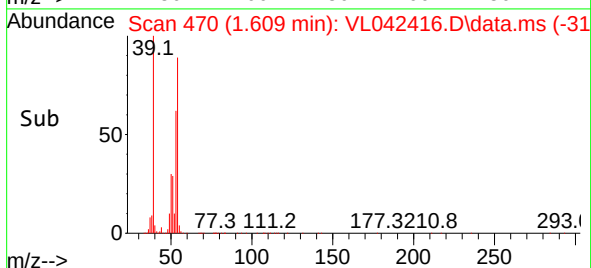
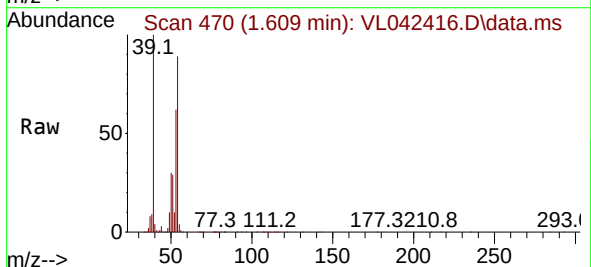
Manual Integrations  
APPROVED

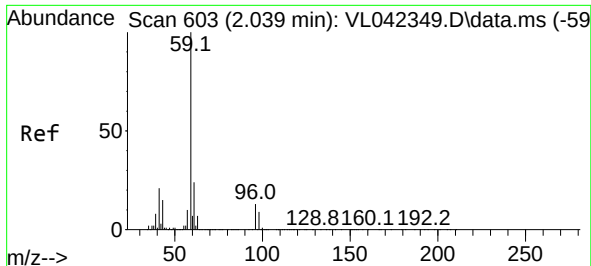
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



#16  
1,3-Butadiene  
Concen: 8.880 ppbv  
RT: 1.609 min Scan# 470  
Delta R.T. -0.000 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

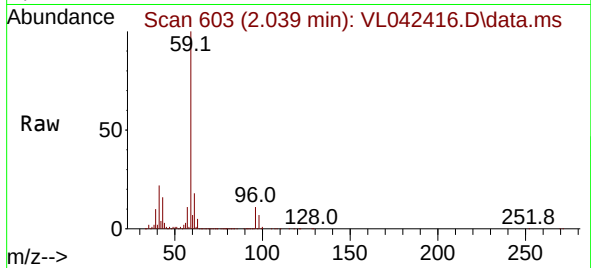
Tgt Ion: 39 Resp: 84816  
Ion Ratio Lower Upper  
39 100  
54 79.2 64.9 97.3





#17  
tert-Butyl alcohol  
Concen: 9.164 ppbv  
RT: 2.039 min Scan# 603  
Delta R.T. -0.000 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

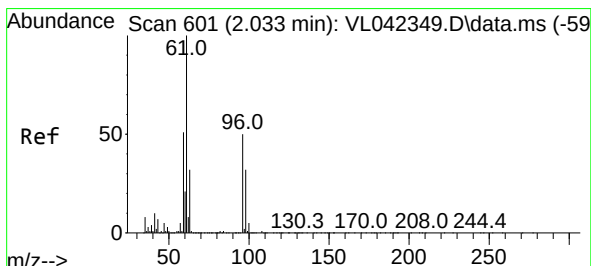
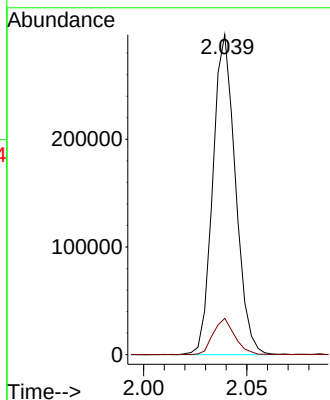
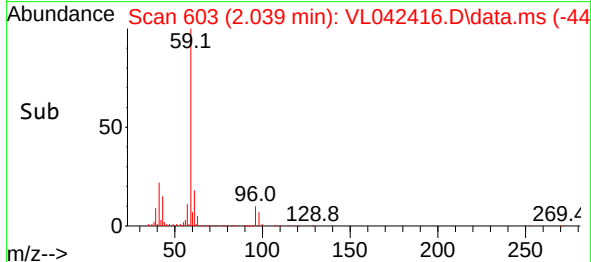
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



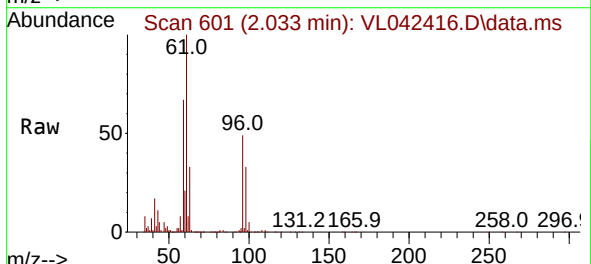
Tgt Ion: 59 Resp: 226804  
Ion Ratio Lower Upper  
59 100  
57 10.8 8.7 13.1

Manual Integrations  
APPROVED

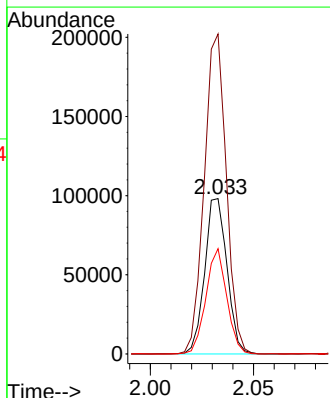
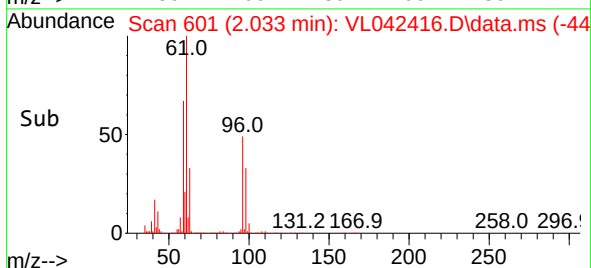
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025

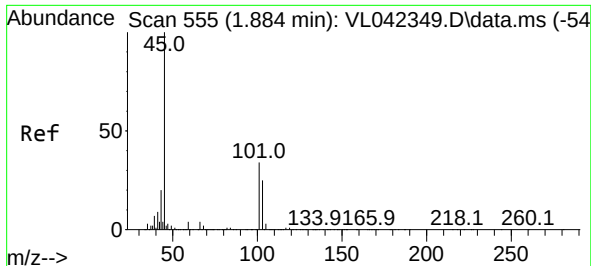


#18  
1,1-Dichloroethene  
Concen: 9.420 ppbv  
RT: 2.033 min Scan# 601  
Delta R.T. -0.000 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44



Tgt Ion: 96 Resp: 73751  
Ion Ratio Lower Upper  
96 100  
61 205.9 160.2 240.2  
98 67.8 51.0 76.4





#19

Isopropyl Alcohol

Concen: 9.105 ppbv

RT: 1.884 min Scan# 51

Delta R.T. -0.000 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 45 Resp: 10101

Ion Ratio Lower Upper

45 100

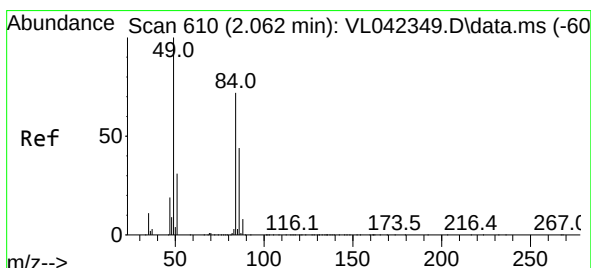
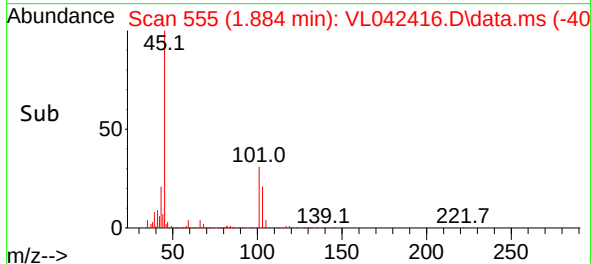
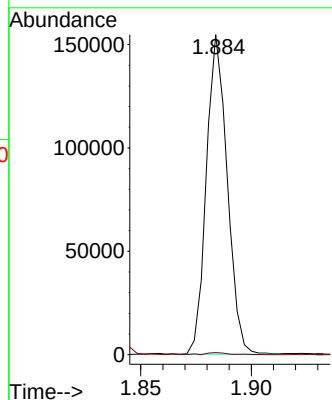
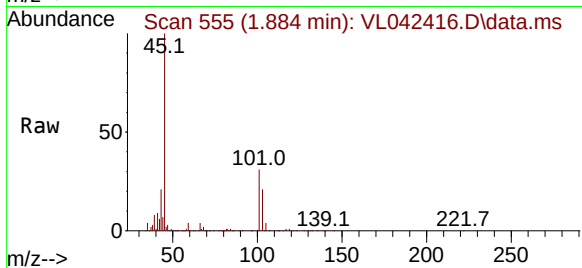
58 47.3 34.5 51.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/30/2025



#20

Methylene Chloride

Concen: 7.992 ppbv

RT: 2.059 min Scan# 609

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Tgt Ion: 84 Resp: 62506

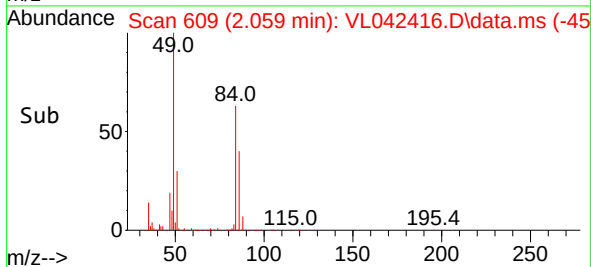
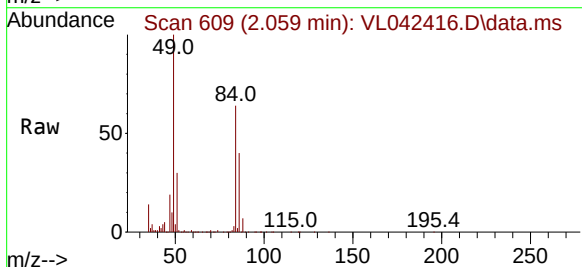
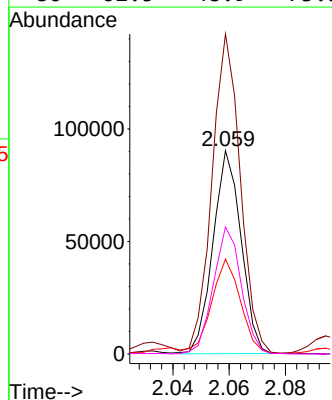
Ion Ratio Lower Upper

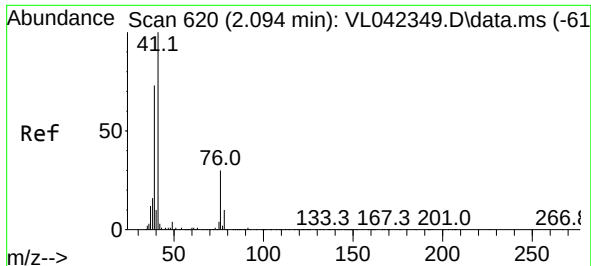
84 100

49 157.3 111.6 167.4

51 46.5 35.1 52.7

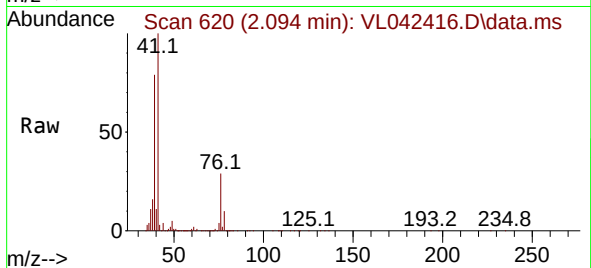
86 62.5 48.9 73.3





#21  
 Allyl Chloride  
 Concen: 9.081 ppbv  
 RT: 2.094 min Scan# 61  
 Delta R.T. -0.000 min  
 Lab File: VL042416.D  
 Acq: 28 Apr 2025 08:44

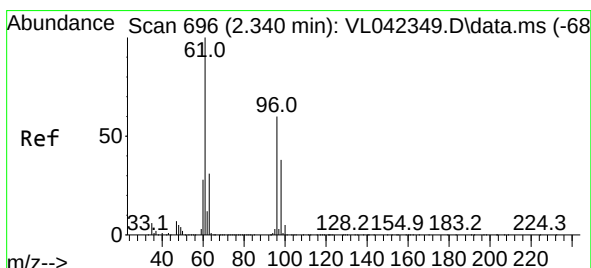
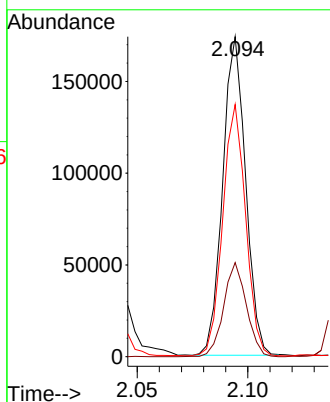
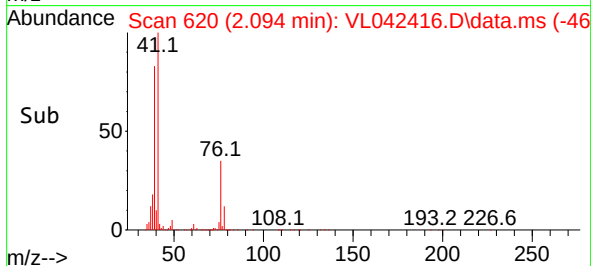
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



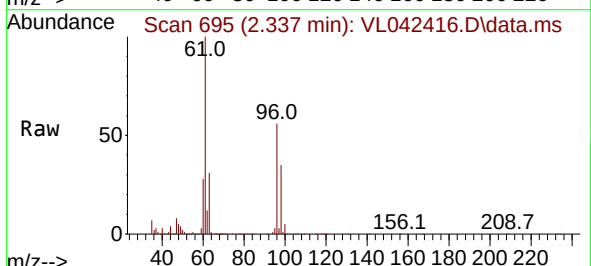
Tgt Ion: 41 Resp: 125215  
 Ion Ratio Lower Upper  
 41 100  
 76 29.2 24.8 37.2  
 39 78.4 60.6 90.8

Manual Integrations  
 APPROVED

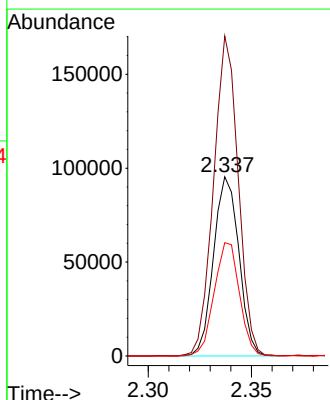
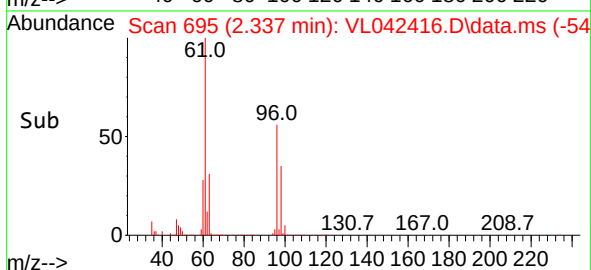
Reviewed By :Semsettin Yesilyurt 04/29/2025  
 Supervised By :Mahesh Dadoda 04/30/2025

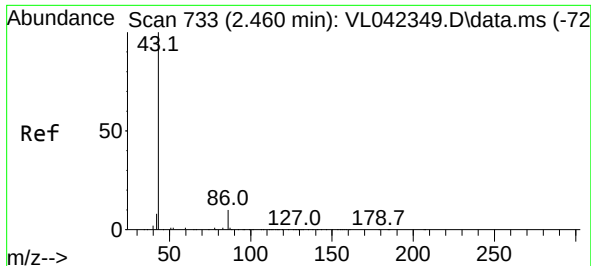


#22  
 trans-1,2-Dichloroethene  
 Concen: 9.153 ppbv  
 RT: 2.337 min Scan# 695  
 Delta R.T. -0.003 min  
 Lab File: VL042416.D  
 Acq: 28 Apr 2025 08:44



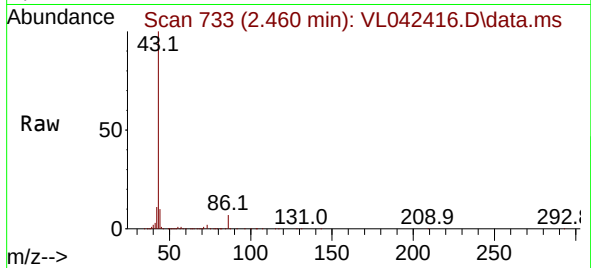
Tgt Ion: 96 Resp: 81589  
 Ion Ratio Lower Upper  
 96 100  
 61 178.4 133.7 200.5  
 98 63.2 50.3 75.5





#23  
 Vinyl Acetate  
 Concen: 8.030 ppbv  
 RT: 2.460 min Scan# 716  
 Delta R.T. -0.000 min  
 Lab File: VL042416.D  
 Acq: 28 Apr 2025 08:44

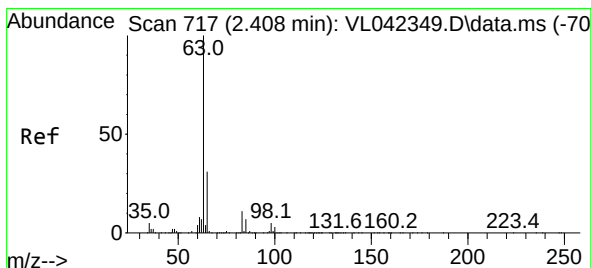
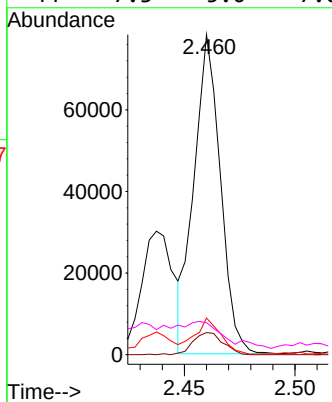
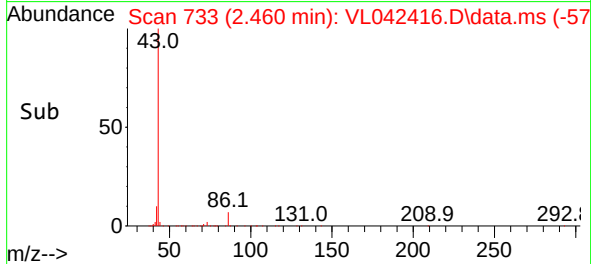
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



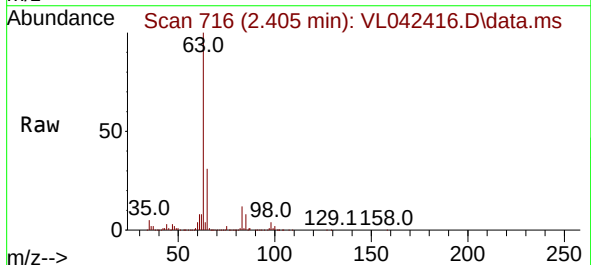
Tgt Ion: 43 Resp: 6490  
 Ion Ratio Lower Upper  
 43 100  
 86 6.9 6.5 9.7  
 42 11.1 7.8 11.8  
 44 7.3 5.0 7.6

Manual Integrations  
 APPROVED

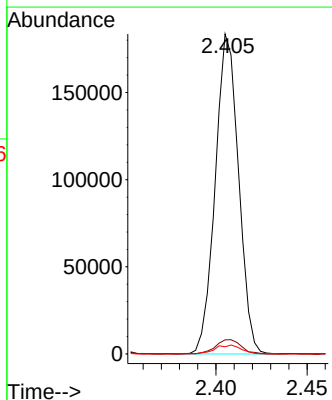
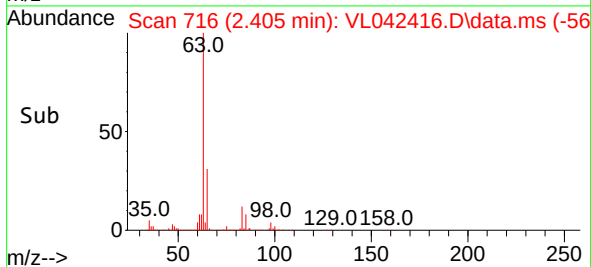
Reviewed By :Semsettin Yesilyurt 04/29/2025  
 Supervised By :Mahesh Dadoda 04/30/2025

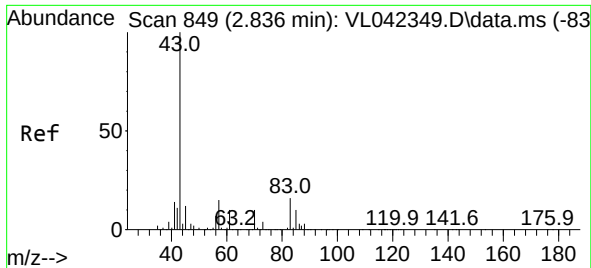


#24  
 1,1-Dichloroethane  
 Concen: 9.634 ppbv  
 RT: 2.405 min Scan# 716  
 Delta R.T. -0.003 min  
 Lab File: VL042416.D  
 Acq: 28 Apr 2025 08:44



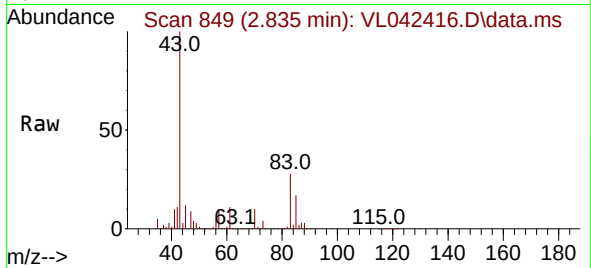
Tgt Ion: 63 Resp: 163124  
 Ion Ratio Lower Upper  
 63 100  
 98 4.4 2.3 6.8  
 100 2.2 1.6 4.8





#25  
Ethyl Acetate  
Concen: 8.634 ppbv  
RT: 2.835 min Scan# 849  
Delta R.T. -0.000 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

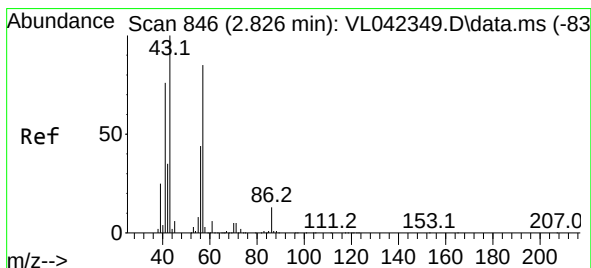
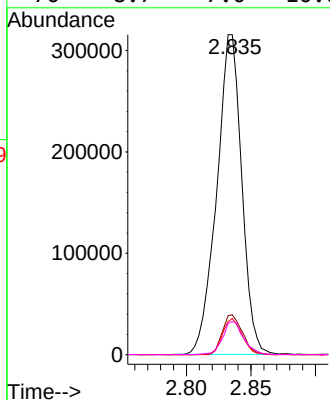
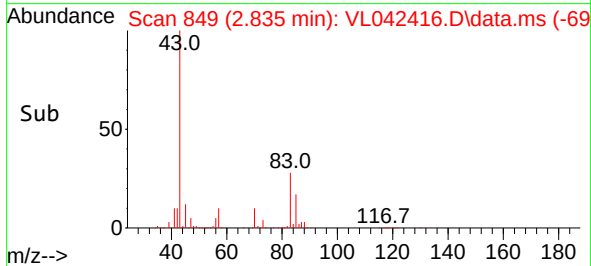
Instrument : MSVOA\_L  
ClientSampleId : VSTDCCC010



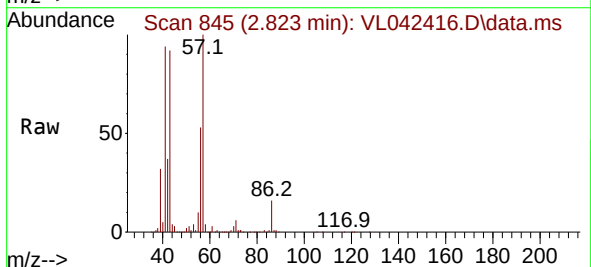
Tgt Ion: 43 Resp: 42512  
Ion Ratio Lower Upper  
43 100  
45 10.1 8.3 12.5  
61 8.9 7.3 10.9  
70 8.7 7.0 10.6

Manual Integrations  
APPROVED

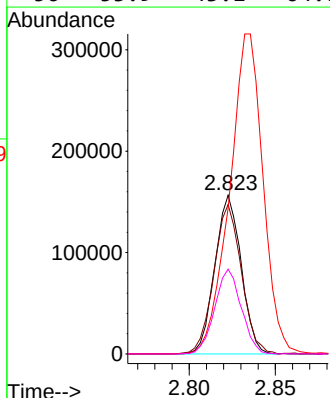
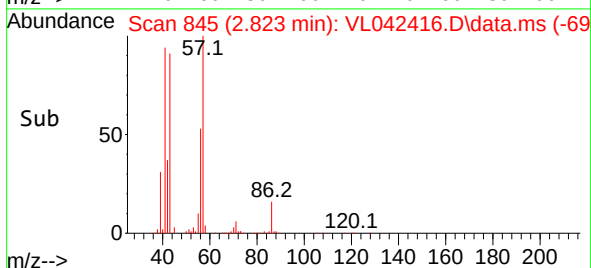
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



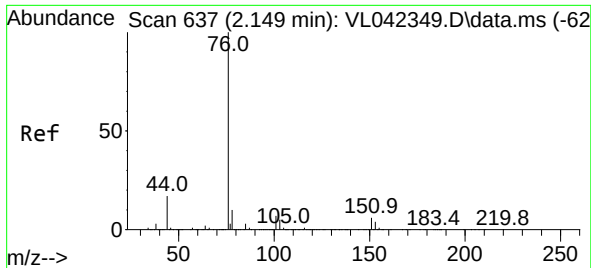
#26  
Hexane  
Concen: 8.370 ppbv  
RT: 2.823 min Scan# 845  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44



Tgt Ion: 57 Resp: 166789  
Ion Ratio Lower Upper  
57 100  
41 98.4 77.9 116.9  
43 256.1 208.4 312.6  
56 53.9 43.1 64.7

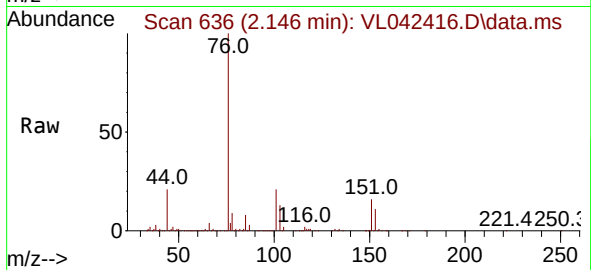






#27  
Carbon Disulfide  
Concen: 9.637 ppbv  
RT: 2.146 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

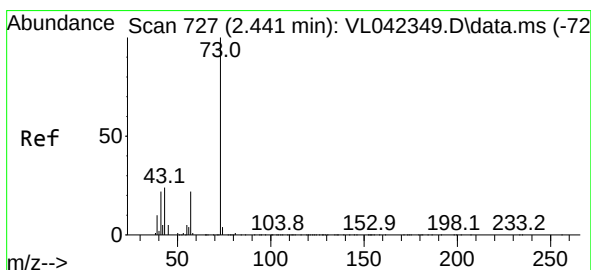
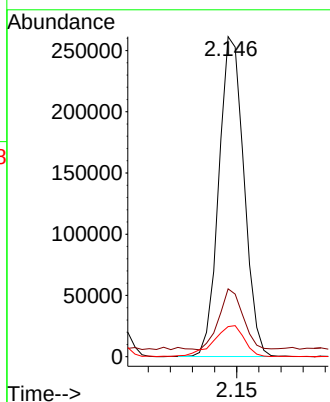
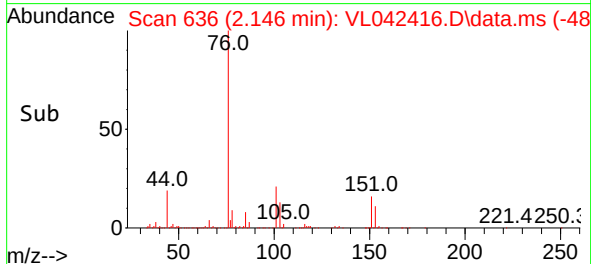
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 76 Resp: 205609  
Ion Ratio Lower Upper  
76 100  
44 22.2 15.5 23.3  
78 12.1 9.3 13.9

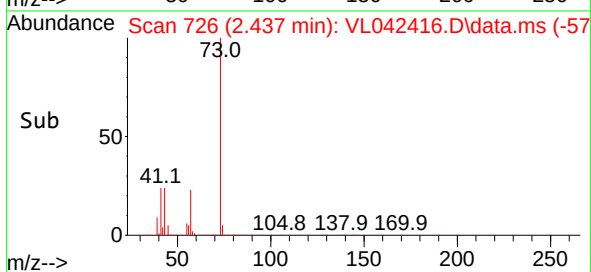
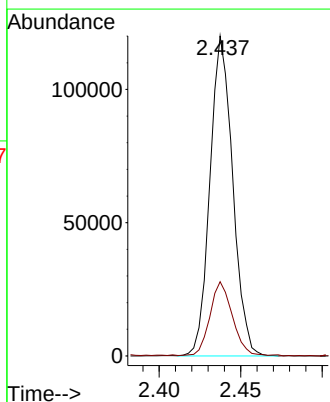
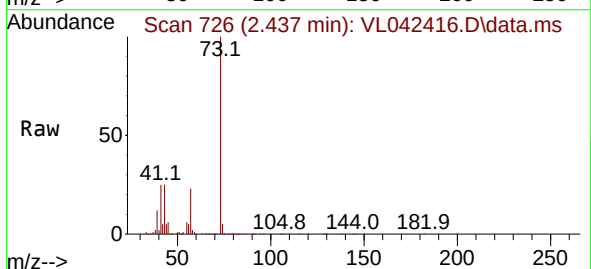
Manual Integrations  
APPROVED

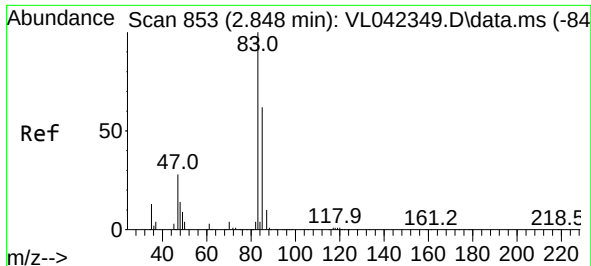
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



#28  
Methyl tert-Butyl Ether  
Concen: 8.922 ppbv  
RT: 2.437 min Scan# 726  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

Tgt Ion: 73 Resp: 116474  
Ion Ratio Lower Upper  
73 100  
57 23.1 21.3 31.9





#29

Chloroform

Concen: 9.975 ppbv

RT: 2.845 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 280938

Ion Ratio Lower Upper

83 100

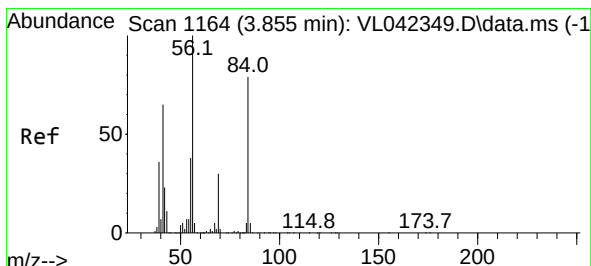
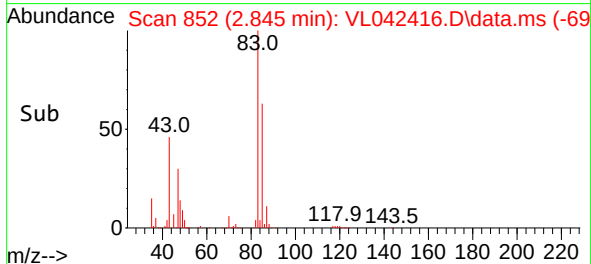
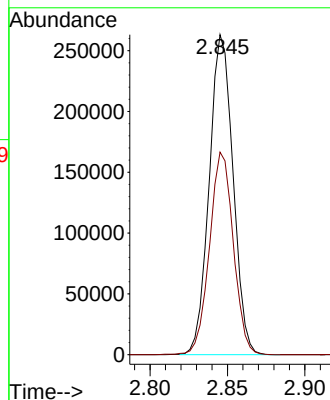
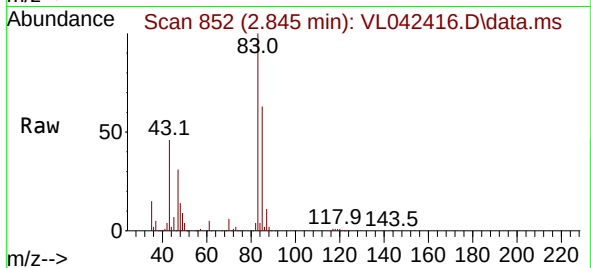
85 63.3 50.0 75.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/30/2025



#30

Cyclohexane

Concen: 8.849 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

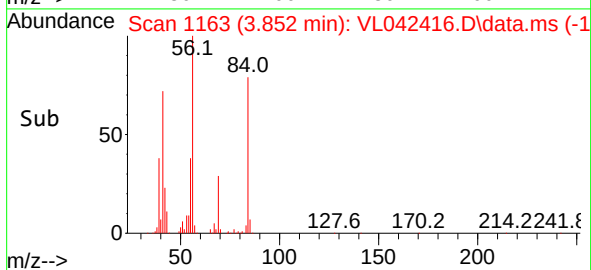
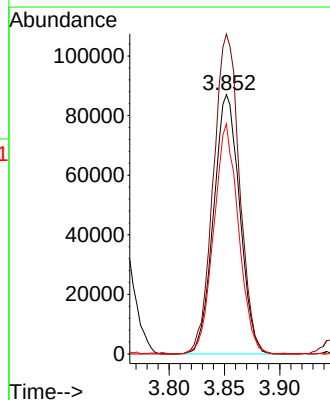
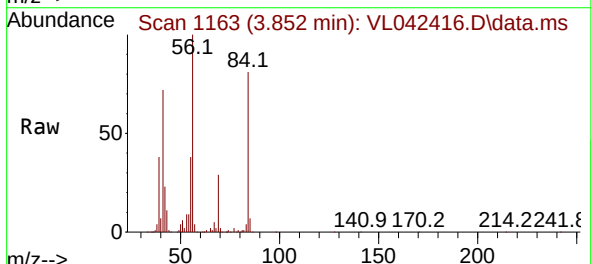
Tgt Ion: 84 Resp: 142532

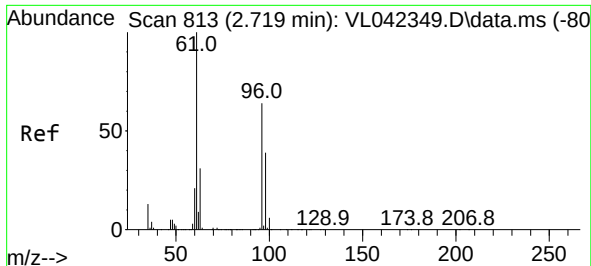
Ion Ratio Lower Upper

84 100

56 123.7 101.0 151.4

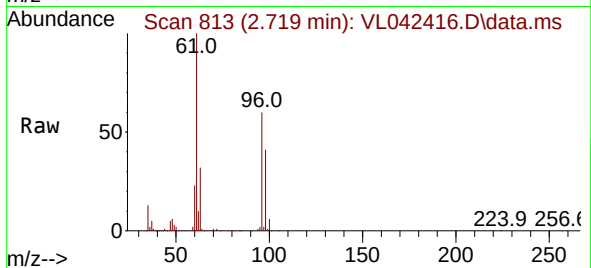
41 84.7 67.4 101.0





#31  
 cis-1,2-Dichloroethene  
 Concen: 9.581 ppbv  
 RT: 2.719 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VL042416.D  
 Acq: 28 Apr 2025 08:44

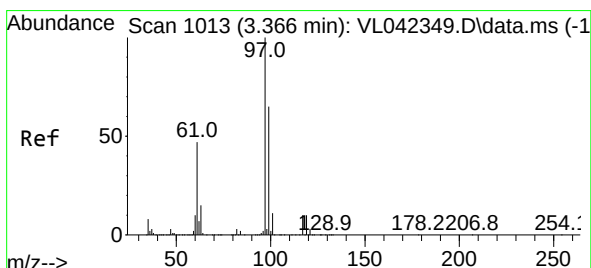
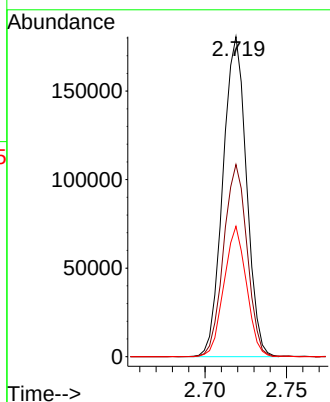
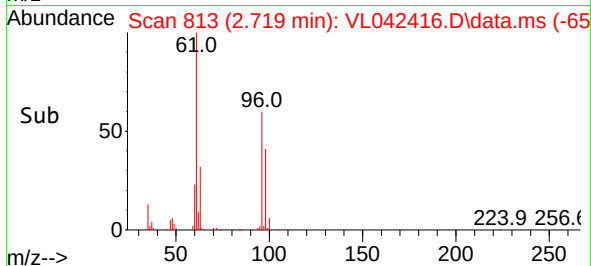
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



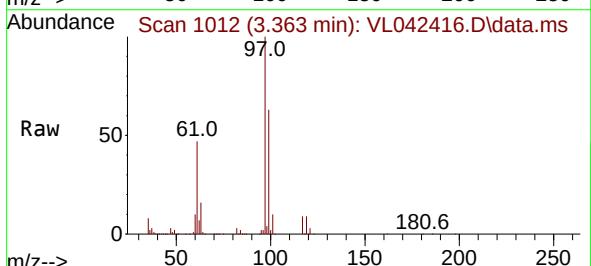
Tgt Ion: 61 Resp: 181514  
 Ion Ratio Lower Upper  
 61 100  
 96 60.1 50.8 76.2  
 98 40.8 30.9 46.3

Manual Integrations  
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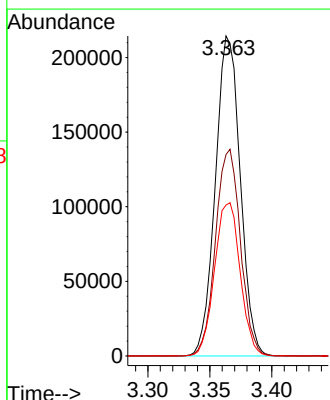
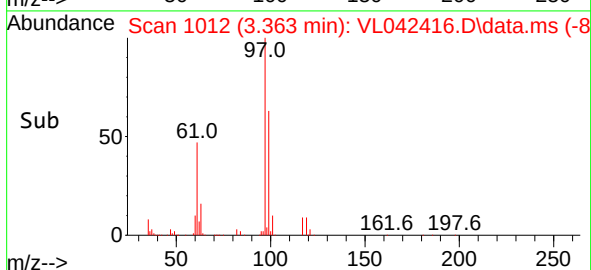
Reviewed By :Semsettin Yesilyurt 04/29/2025  
 Supervised By :Mahesh Dadoda 04/30/2025

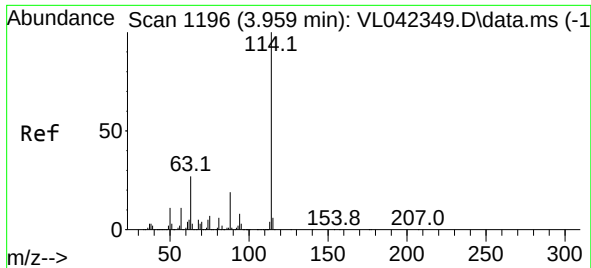


#32  
 1,1,1-Trichloroethane  
 Concen: 9.501 ppbv  
 RT: 3.363 min Scan# 1012  
 Delta R.T. -0.003 min  
 Lab File: VL042416.D  
 Acq: 28 Apr 2025 08:44



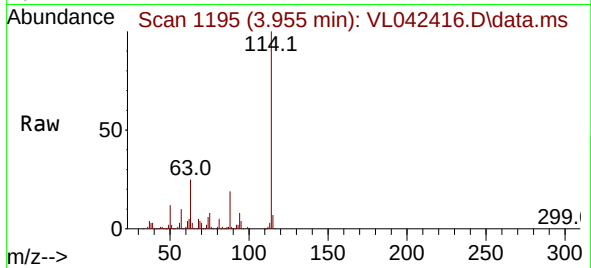
Tgt Ion: 97 Resp: 301259  
 Ion Ratio Lower Upper  
 97 100  
 99 64.6 51.0 76.4  
 61 49.3 38.8 58.2





#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.955 min Scan# 1195  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

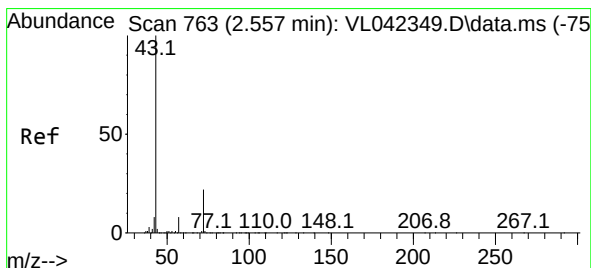
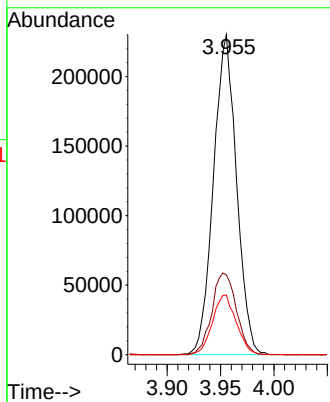
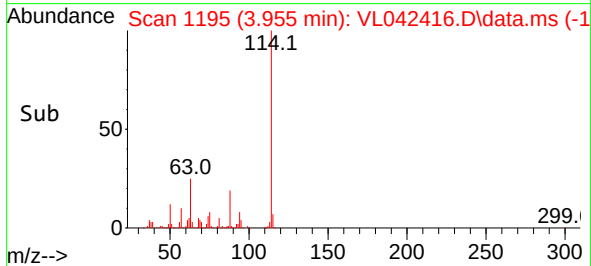
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion:114 Resp: 34503  
Ion Ratio Lower Upper  
114 100  
63 27.2 21.8 32.6  
88 19.2 15.5 23.3

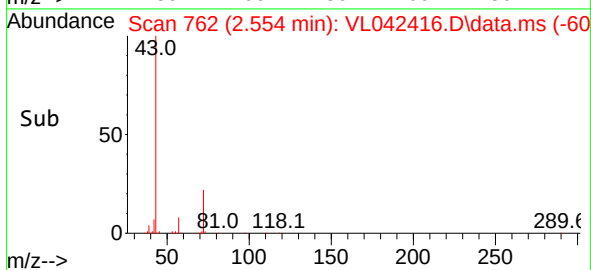
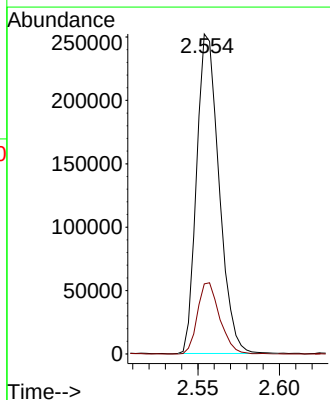
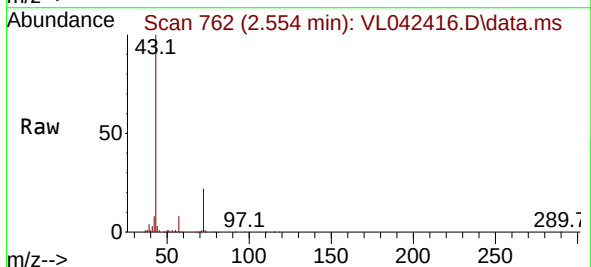
Manual Integrations  
APPROVED

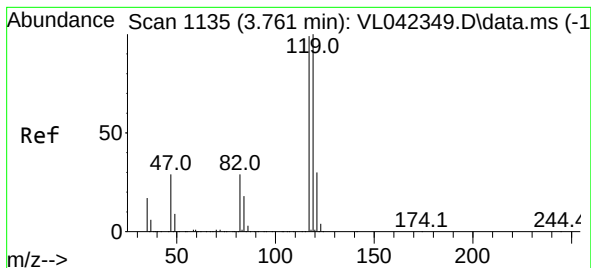
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



#34  
2-Butanone  
Concen: 8.834 ppbv  
RT: 2.554 min Scan# 762  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

Tgt Ion: 43 Resp: 241047  
Ion Ratio Lower Upper  
43 100  
72 22.1 18.2 27.2





#35

Carbon Tetrachloride

Concen: 9.783 ppbv

RT: 3.758 min Scan# 1135

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 117 Resp: 30547

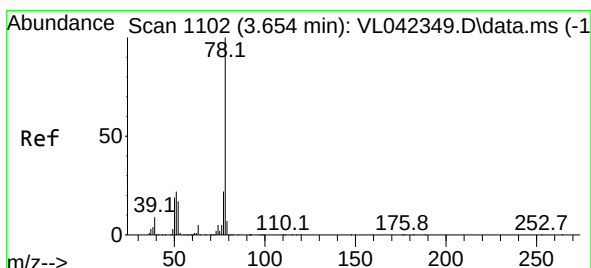
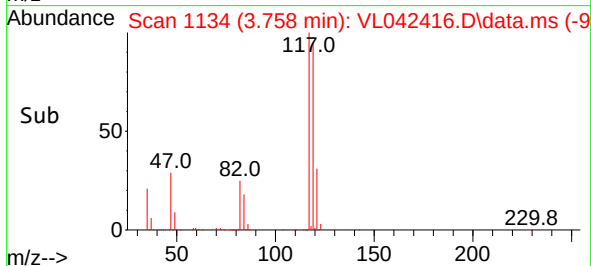
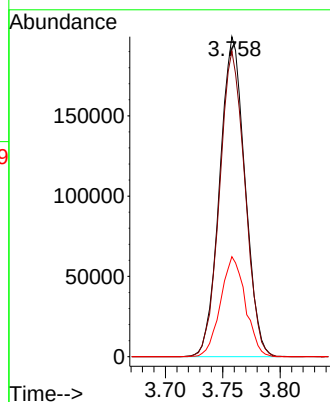
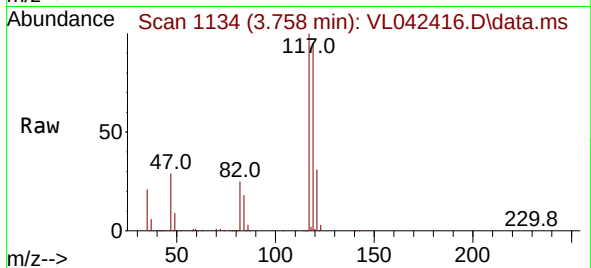
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 95.4  | 80.5  | 120.7 |
| 121 | 31.3  | 24.2  | 36.2  |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/30/2025



#36

Benzene

Concen: 9.102 ppbv

RT: 3.654 min Scan# 1102

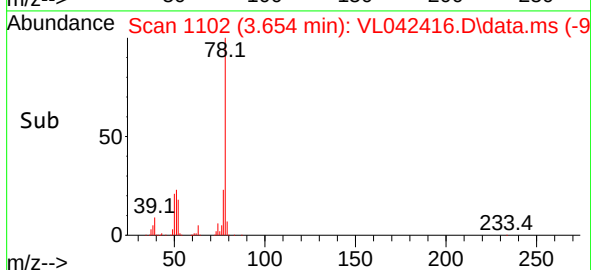
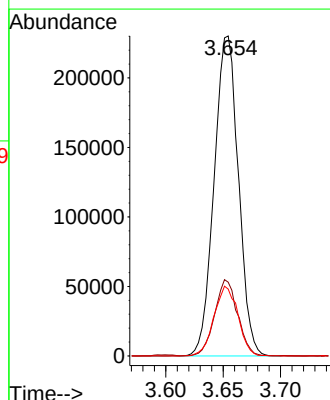
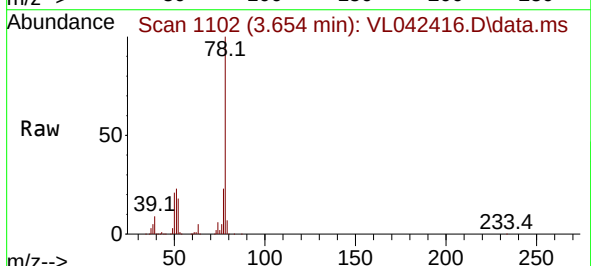
Delta R.T. -0.000 min

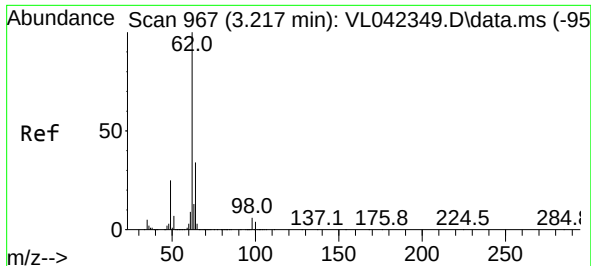
Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Tgt Ion: 78 Resp: 338736

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 78  | 100   |       |       |
| 77  | 23.0  | 17.4  | 26.0  |
| 50  | 20.9  | 15.5  | 23.3  |





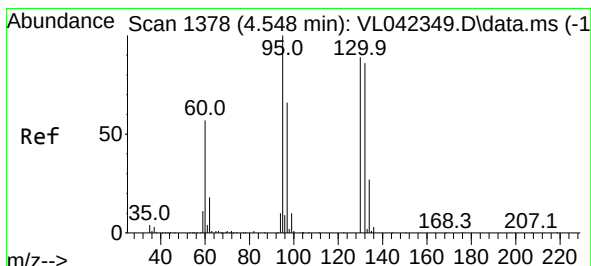
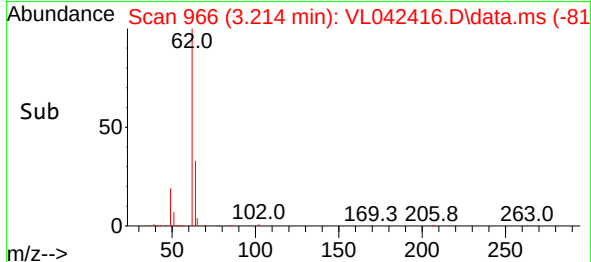
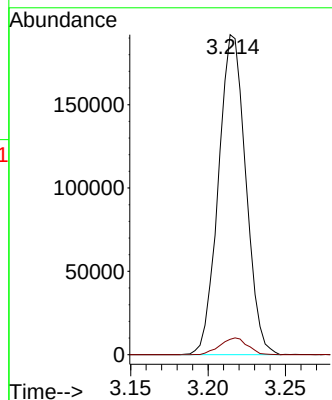
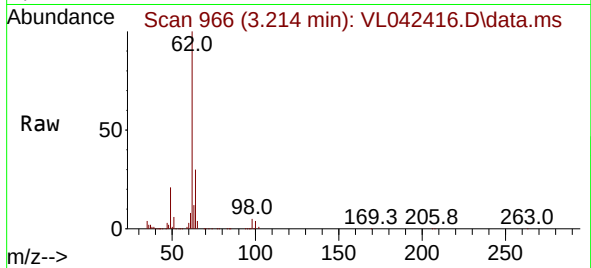
#37  
1,2-Dichloroethane  
Concen: 10.564 ppbv  
RT: 3.214 min Scan# 966  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 62 Resp: 235960  
Ion Ratio Lower Upper  
62 100  
98 5.3 5.1 7.7

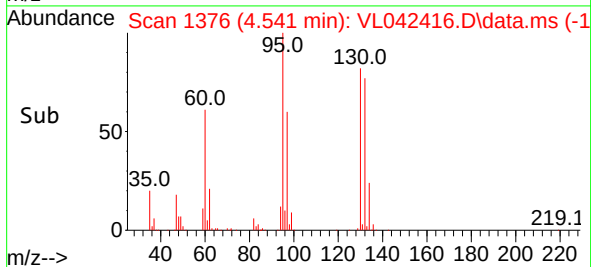
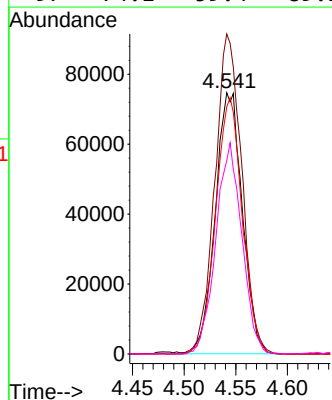
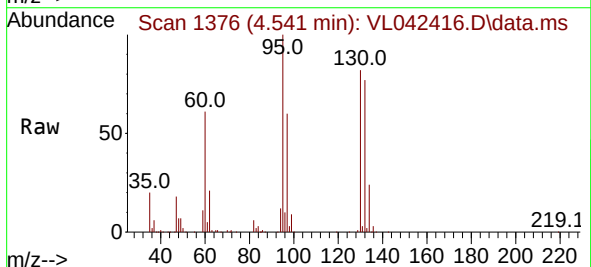
Manual Integrations  
APPROVED

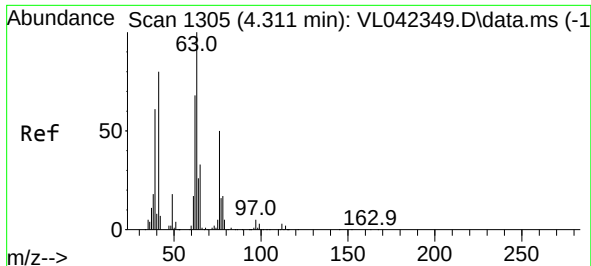
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



#38  
Trichloroethene  
Concen: 8.406 ppbv  
RT: 4.541 min Scan# 1376  
Delta R.T. -0.007 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

Tgt Ion:130 Resp: 136731  
Ion Ratio Lower Upper  
130 100  
95 122.5 89.8 134.6  
132 94.7 77.7 116.5  
97 74.1 59.4 89.2





#39

1,2-Dichloropropane

Concen: 8.813 ppbv

RT: 4.308 min Scan# 1304

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 12221

Ion Ratio Lower Upper

63 100

41 81.2 64.2 96.2

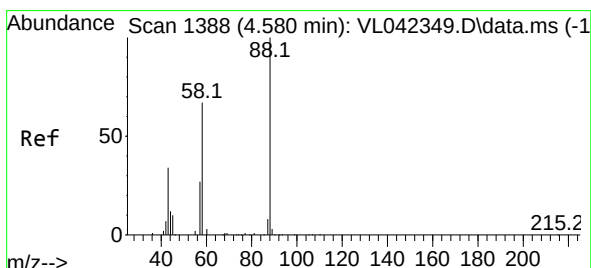
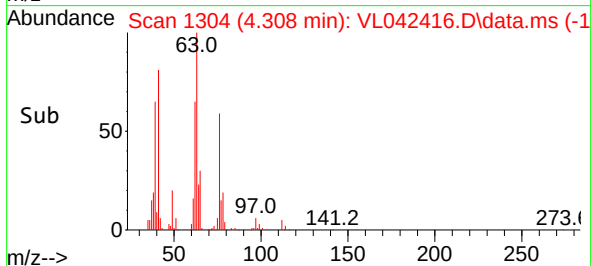
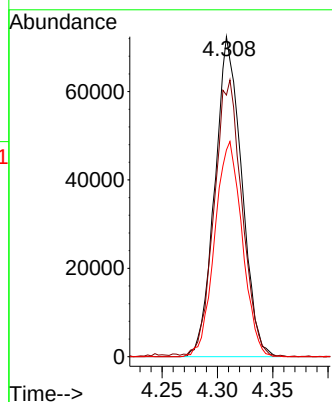
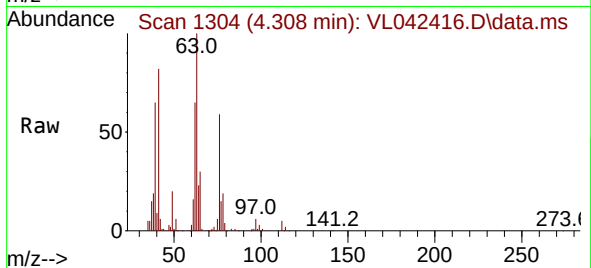
62 64.6 54.3 81.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/30/2025



#40

1,4-Dioxane

Concen: 7.720 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Tgt Ion: 88 Resp: 58837

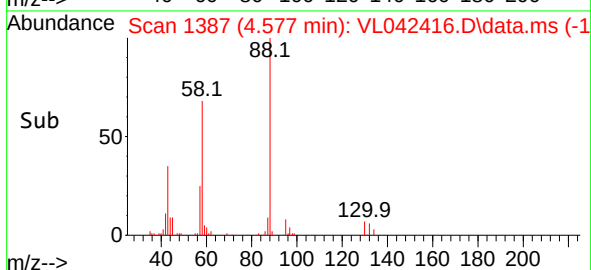
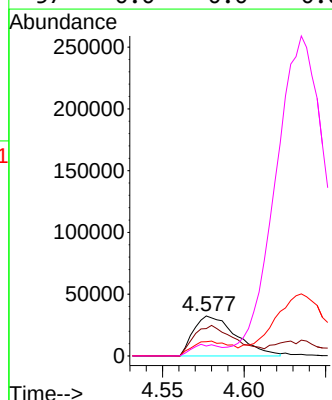
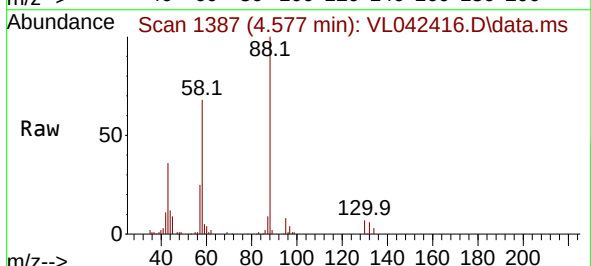
Ion Ratio Lower Upper

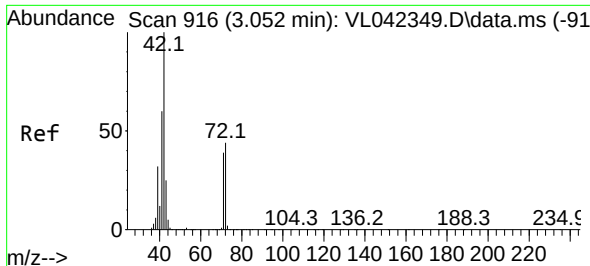
88 100

58 74.2 61.4 92.0

43 35.3 23.2 34.8#

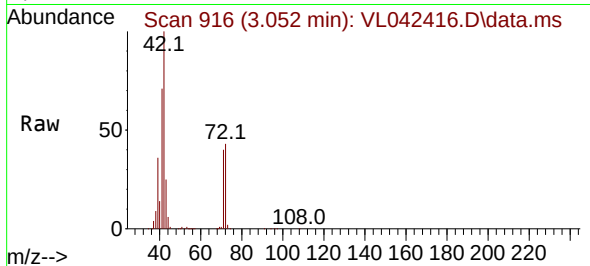
57 0.0 0.0 0.0





#41  
Tetrahydrofuran  
Concen: 8.363 ppbv  
RT: 3.052 min Scan# 916  
Delta R.T. -0.000 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

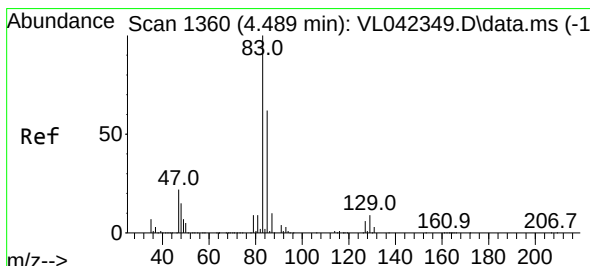
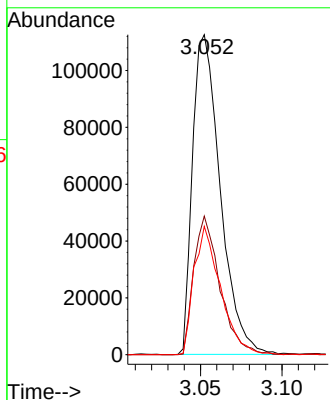
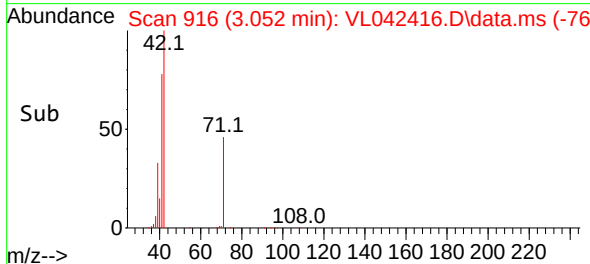
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



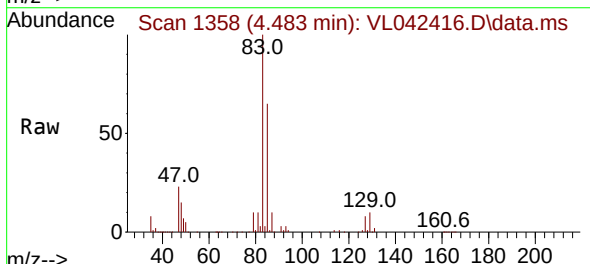
Tgt Ion: 42 Resp: 133063  
Ion Ratio Lower Upper  
42 100  
72 41.2 32.3 48.5  
71 38.8 31.4 47.2

Manual Integrations  
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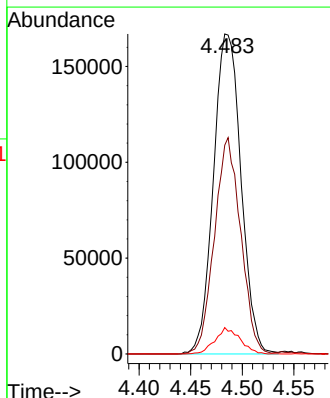
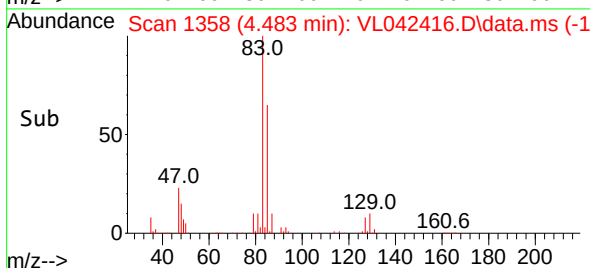
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



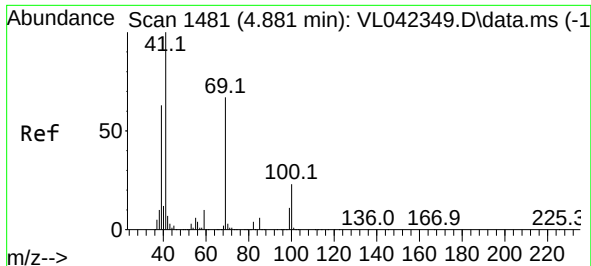
#42  
Bromodichloromethane  
Concen: 9.996 ppbv  
RT: 4.483 min Scan# 1358  
Delta R.T. -0.006 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44



Tgt Ion: 83 Resp: 310726  
Ion Ratio Lower Upper  
83 100  
85 65.3 49.7 74.5  
127 8.3 5.1 7.7#

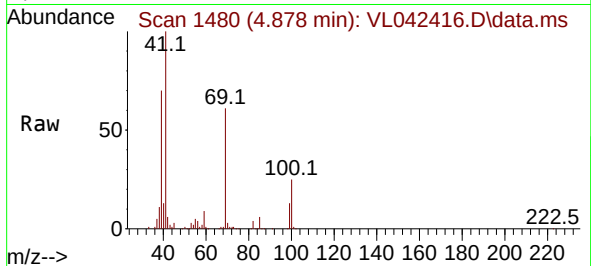






#43  
Methyl Methacrylate  
Concen: 8.230 ppbv  
RT: 4.878 min Scan# 1480  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

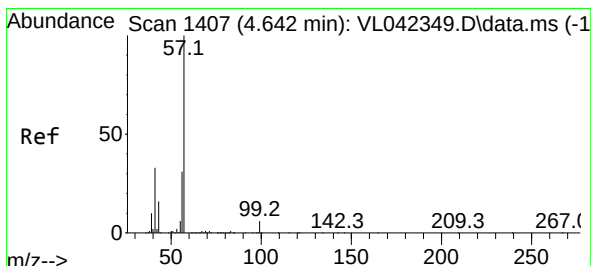
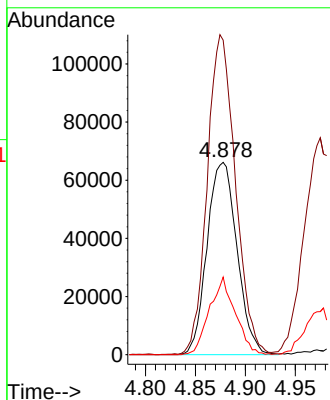
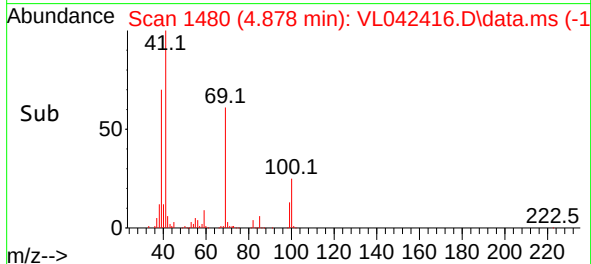
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



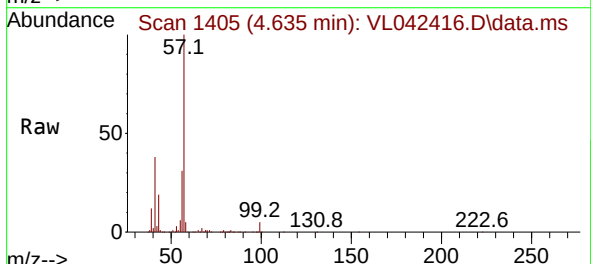
Tgt Ion: 69 Resp: 138030  
Ion Ratio Lower Upper  
69 100  
41 156.8 118.6 177.8  
100 34.8 28.2 42.2

Manual Integrations  
APPROVED

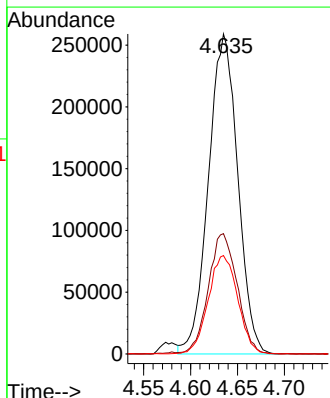
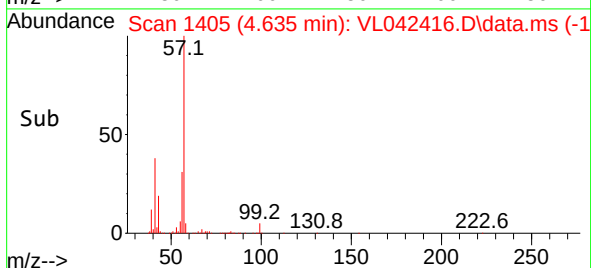
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025

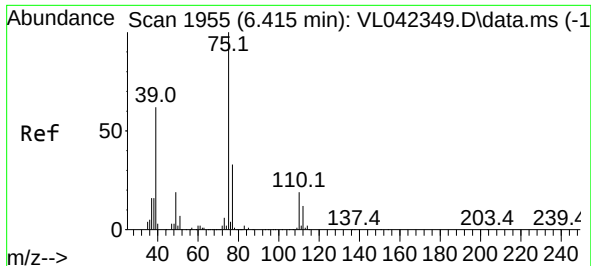


#44  
2,2,4-Trimethylpentane  
Concen: 8.750 ppbv  
RT: 4.635 min Scan# 1405  
Delta R.T. -0.007 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44



Tgt Ion: 57 Resp: 562403  
Ion Ratio Lower Upper  
57 100  
41 37.4 27.2 40.8  
56 31.1 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 9.175 ppbv

RT: 6.409 min Scan# 1955

Delta R.T. -0.006 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 75 Resp: 15719

Ion Ratio Lower Upper

75 100

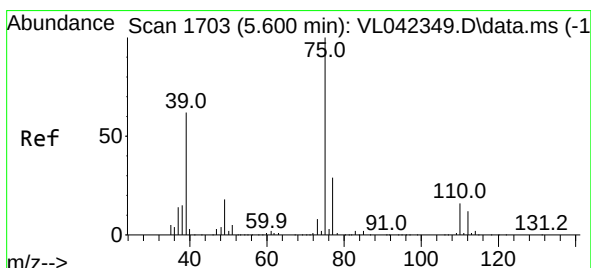
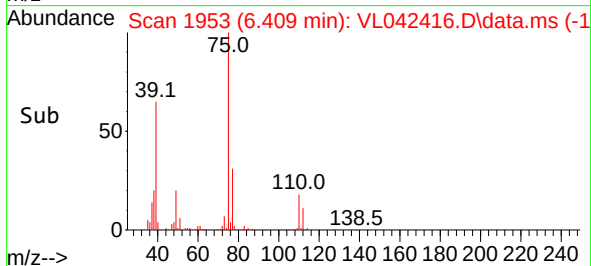
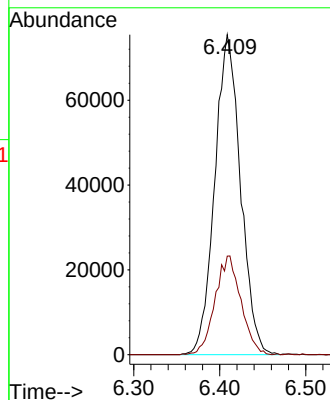
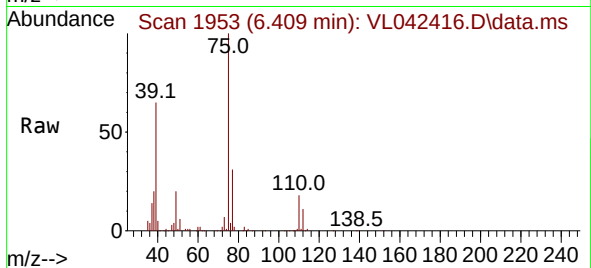
77 30.8 27.0 40.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/30/2025



#46

cis-1,3-Dichloropropene

Concen: 9.117 ppbv

RT: 5.593 min Scan# 1701

Delta R.T. -0.006 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

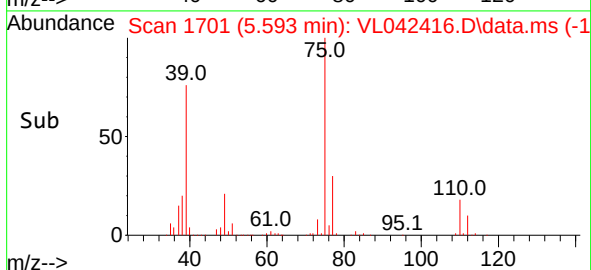
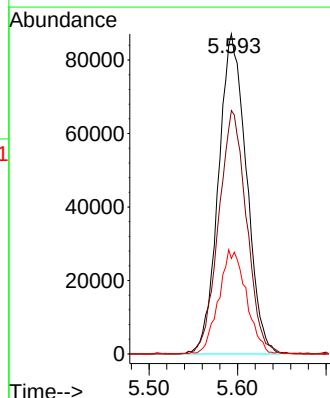
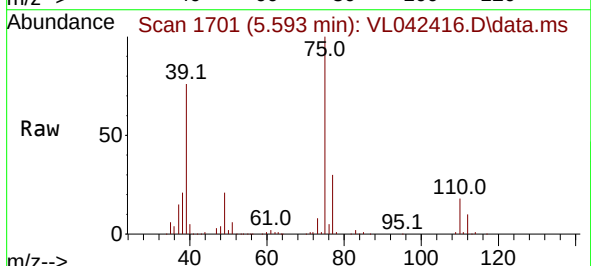
Tgt Ion: 75 Resp: 191165

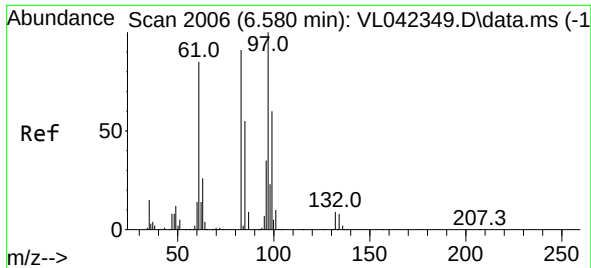
Ion Ratio Lower Upper

75 100

39 75.9 50.0 75.0#

77 29.8 23.0 34.6





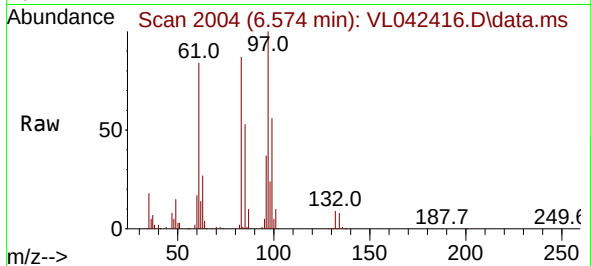
#47  
1,1,2-Trichloroethane  
Concen: 9.471 ppbv  
RT: 6.574 min Scan# 2006  
Delta R.T. -0.007 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

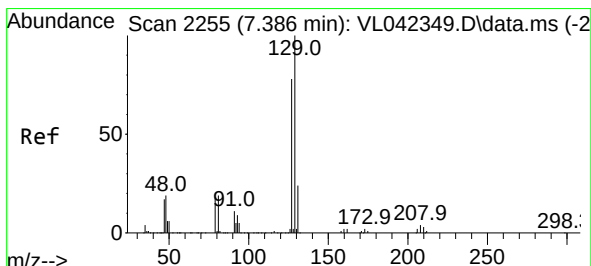
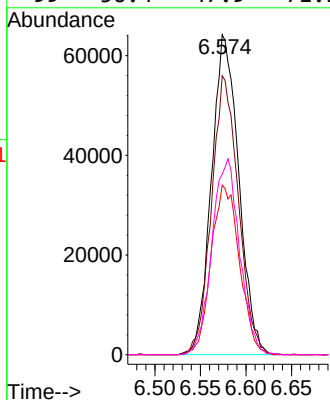
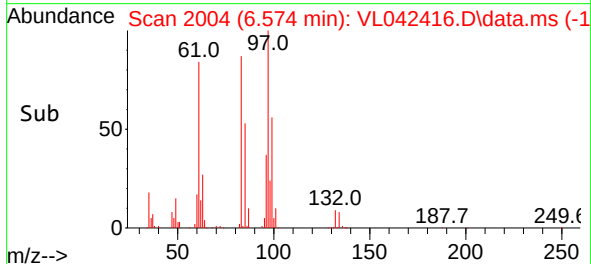


Tgt Ion: 97 Resp: 13382  
Ion Ratio Lower Upper  
97 100  
83 87.2 72.8 109.2  
85 53.0 44.2 66.4  
99 56.4 47.9 71.9

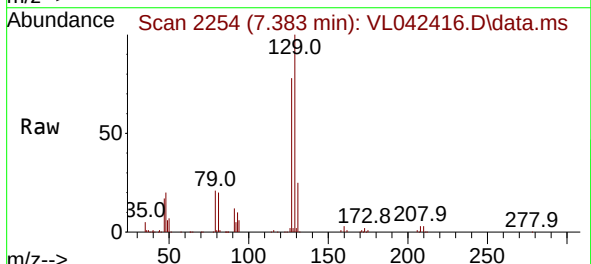
Manual Integrations

APPROVED

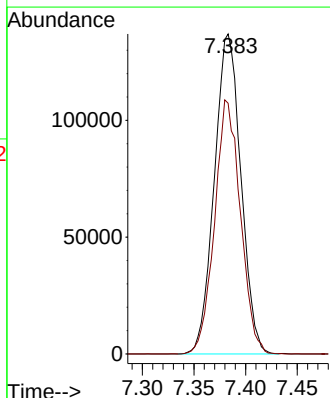
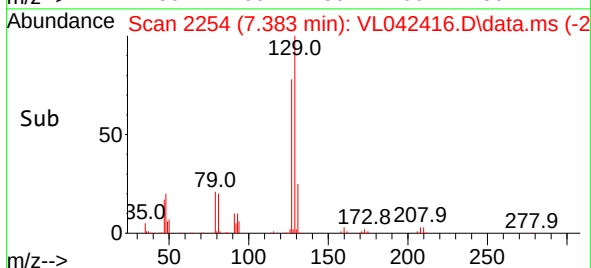
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025

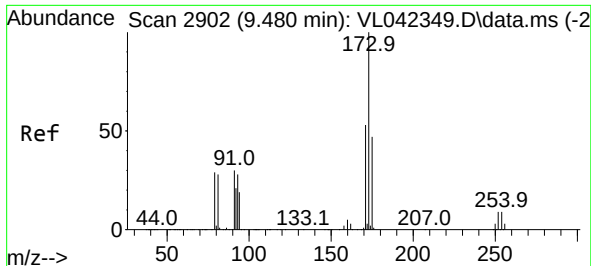


#48  
Dibromochloromethane  
Concen: 9.832 ppbv  
RT: 7.383 min Scan# 2254  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44



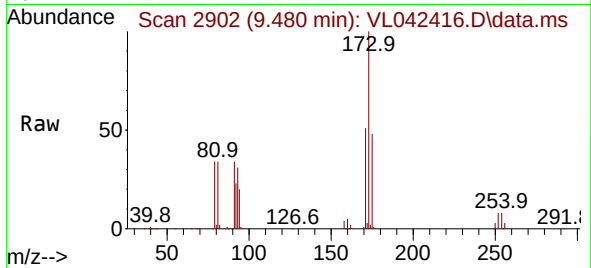
Tgt Ion:129 Resp: 245439  
Ion Ratio Lower Upper  
129 100  
127 77.0 39.1 117.3





#49  
Bromoform  
Concen: 9.117 ppbv  
RT: 9.480 min Scan# 2902  
Delta R.T. -0.000 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

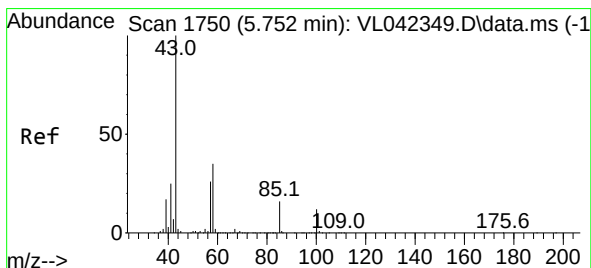
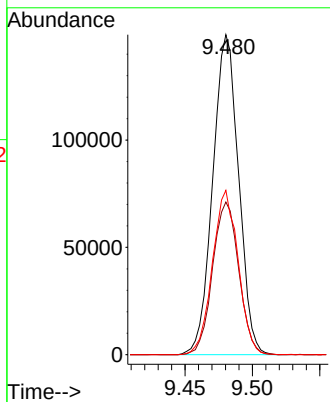
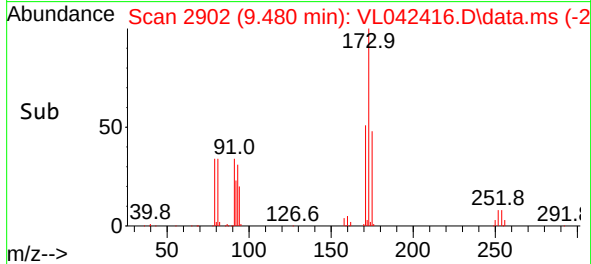
Instrument : MSVOA\_L  
ClientSampleId : VSTDCCC010



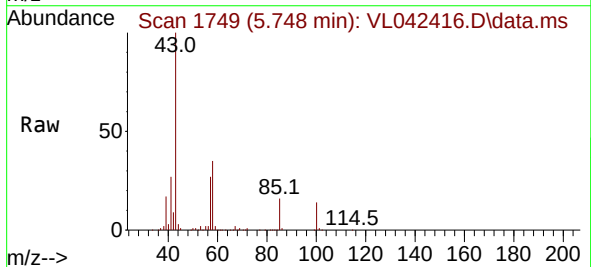
Tgt Ion:173 Resp: 19899  
Ion Ratio Lower Upper  
173 100  
175 48.2 38.2 57.2  
171 51.0 40.9 61.3

Manual Integrations  
APPROVED

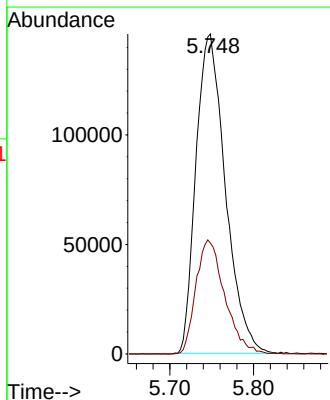
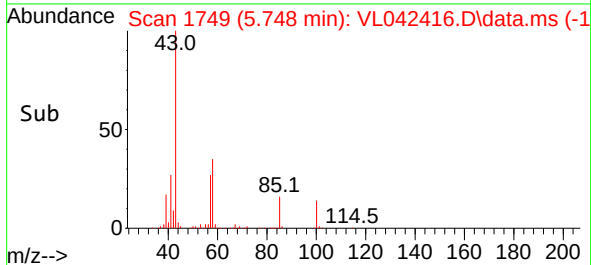
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025

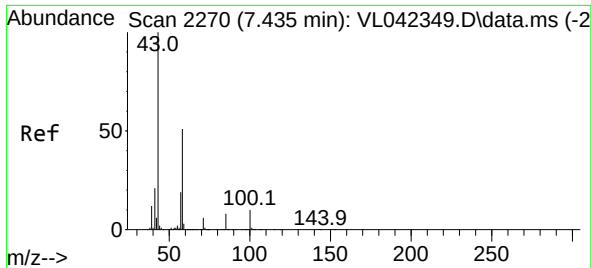


#50  
4-Methyl-2-Pentanone  
Concen: 7.854 ppbv  
RT: 5.748 min Scan# 1749  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44



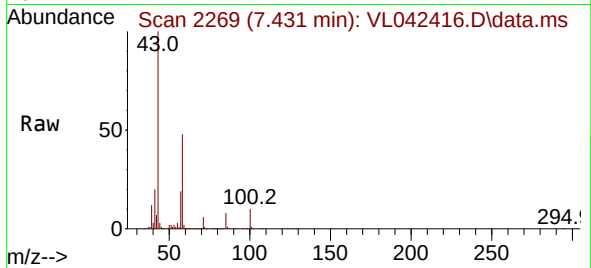
Tgt Ion: 43 Resp: 356129  
Ion Ratio Lower Upper  
43 100  
58 35.1 28.6 43.0





#51  
2-Hexanone  
Concen: 7.058 ppbv  
RT: 7.431 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

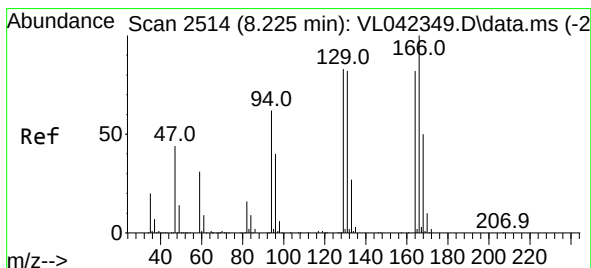
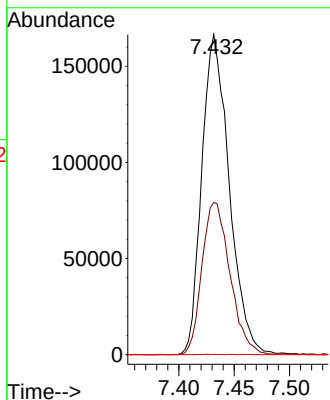
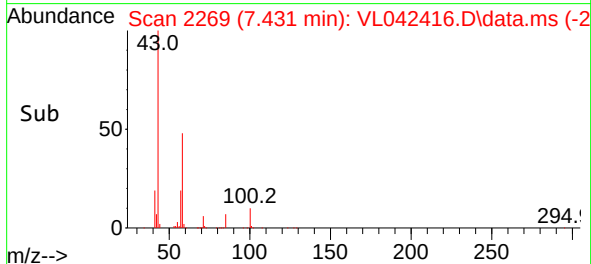
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 43 Resp: 28704  
Ion Ratio Lower Upper  
43 100  
58 48.8 40.2 60.4  
98 0.1 0.1 0.1

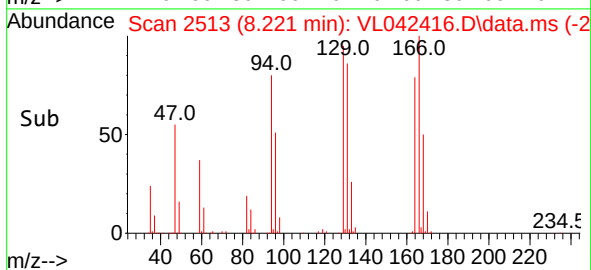
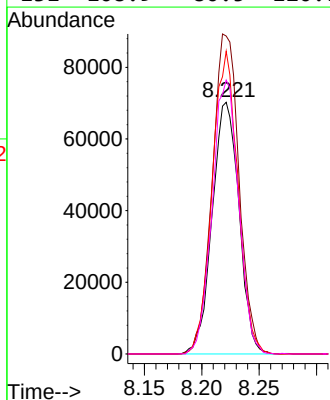
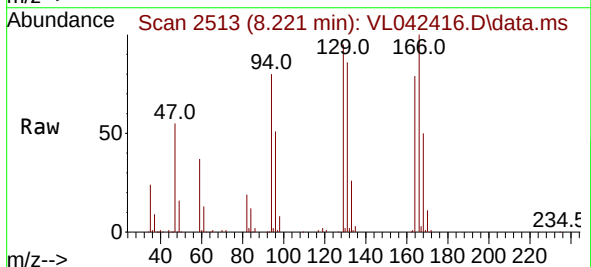
Manual Integrations  
APPROVED

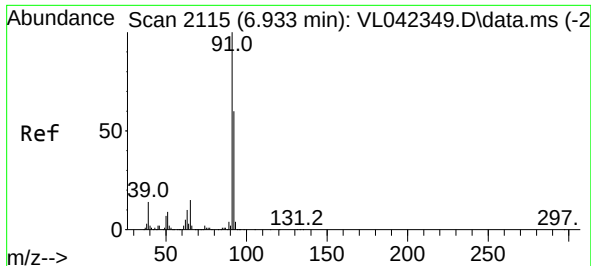
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



#52  
Tetrachloroethene  
Concen: 7.928 ppbv  
RT: 8.221 min Scan# 2513  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

Tgt Ion:164 Resp: 114038  
Ion Ratio Lower Upper  
164 100  
166 126.3 98.2 147.2  
129 120.3 81.8 122.8  
131 108.9 80.5 120.7





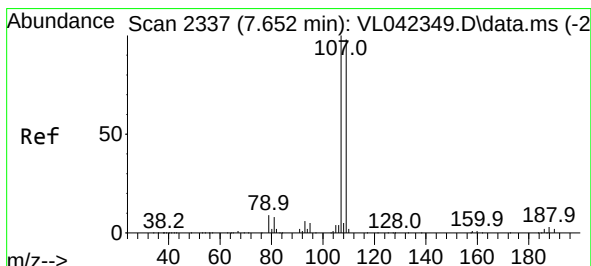
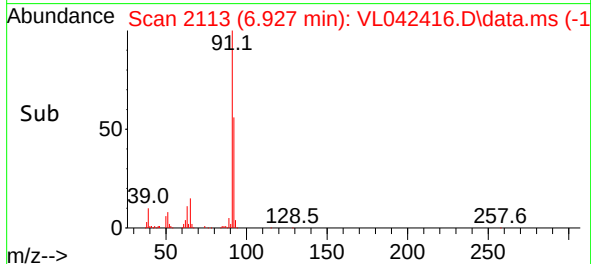
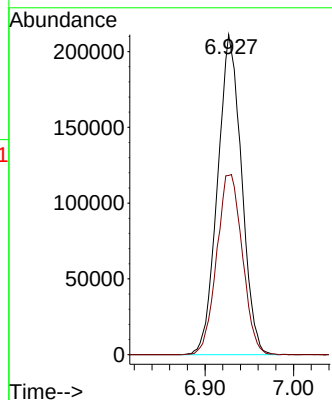
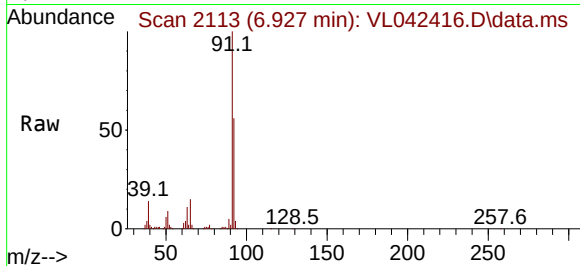
#53  
Toluene  
Concen: 8.916 ppbv  
RT: 6.927 min Scan# 2115  
Delta R.T. -0.006 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 91 Resp: 39816  
Ion Ratio Lower Upper  
91 100  
92 60.2 48.2 72.4

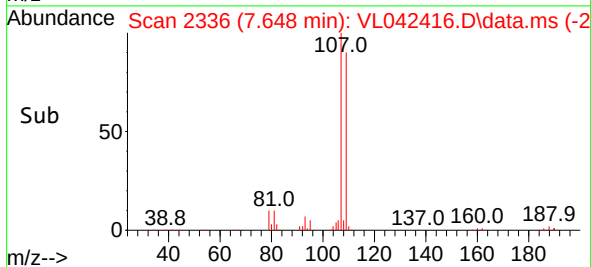
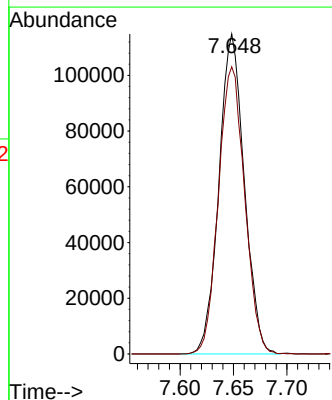
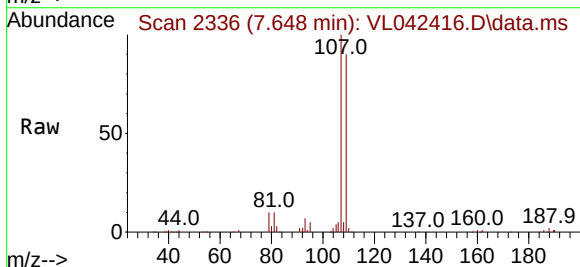
Manual Integrations  
APPROVED

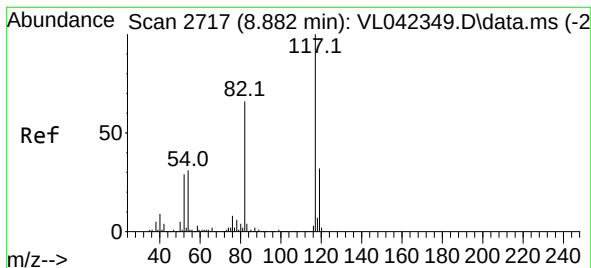
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



#54  
1,2-Dibromoethane  
Concen: 9.378 ppbv  
RT: 7.648 min Scan# 2336  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

Tgt Ion:107 Resp: 189639  
Ion Ratio Lower Upper  
107 100  
109 89.8 78.2 117.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.878 min Scan# 2716

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Instrument :

MSVOA\_L

ClientSampleId :

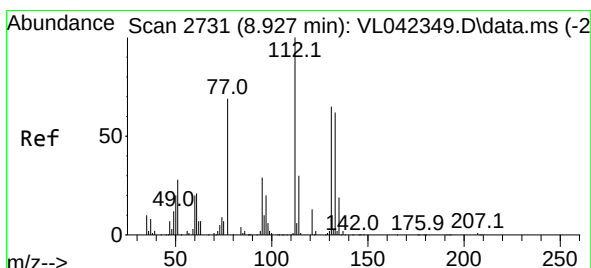
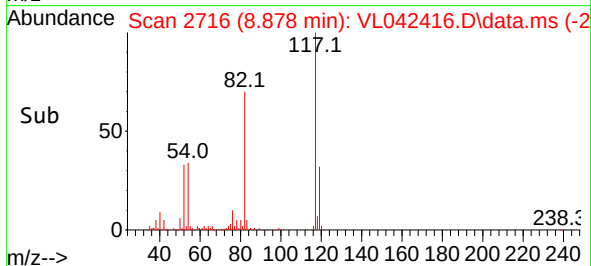
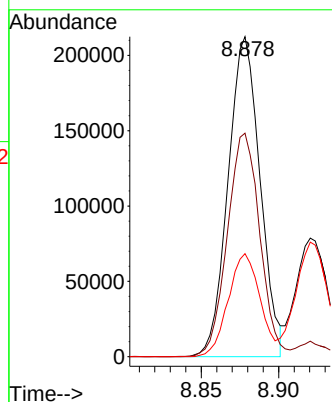
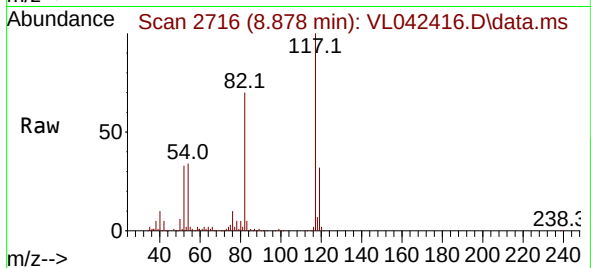
VSTDCCC010

Tgt Ion:117 Resp: 305240  
 Ion Ratio Lower Upper  
 117 100  
 82 75.0 57.8 86.6  
 119 31.9 25.2 37.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025  
 Supervised By :Mahesh Dadoda 04/30/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 9.969 ppbv

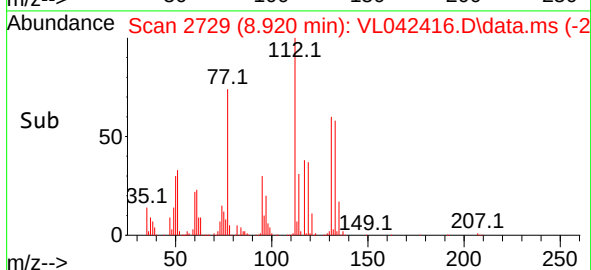
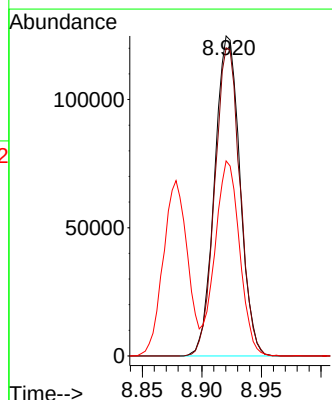
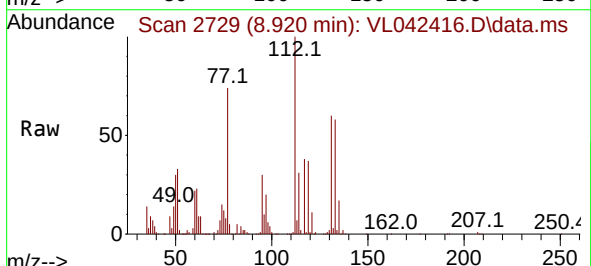
RT: 8.920 min Scan# 2729

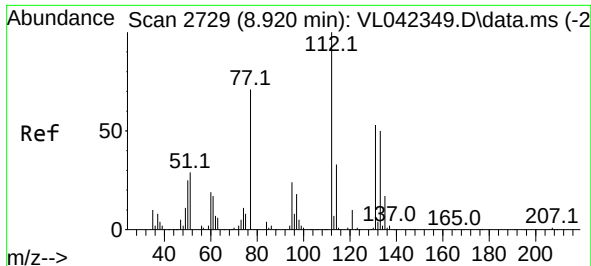
Delta R.T. -0.007 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

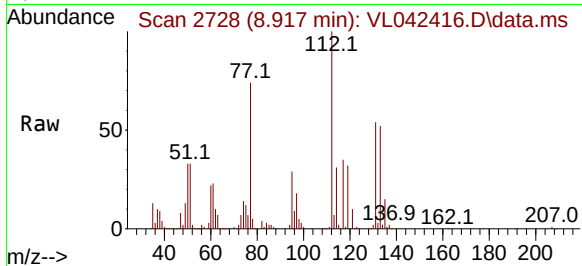
Tgt Ion:131 Resp: 184161  
 Ion Ratio Lower Upper  
 131 100  
 133 95.8 78.3 117.5  
 119 58.3 48.7 73.1





#57  
Chlorobenzene  
Concen: 9.471 ppbv  
RT: 8.917 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

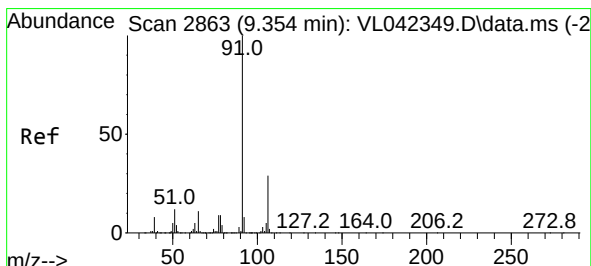
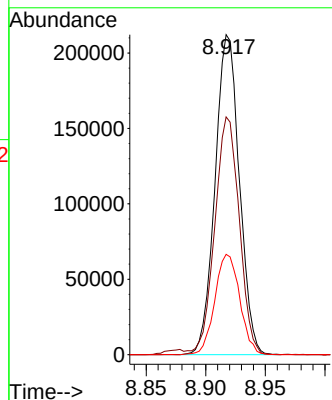
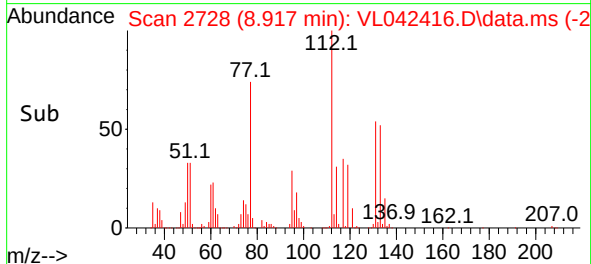
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 112 Resp: 30067  
Ion Ratio Lower Upper  
112 100  
77 74.3 57.8 86.6  
114 31.4 29.3 35.9

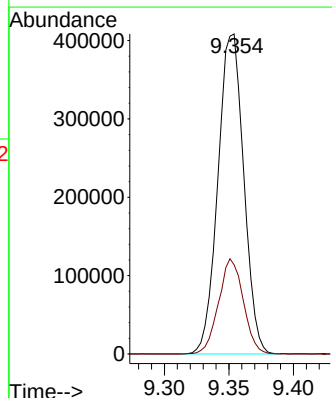
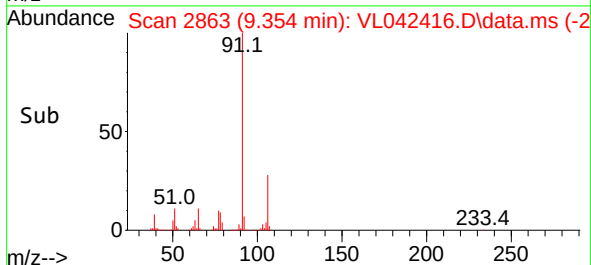
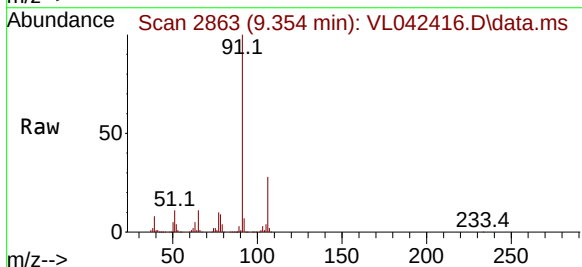
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025

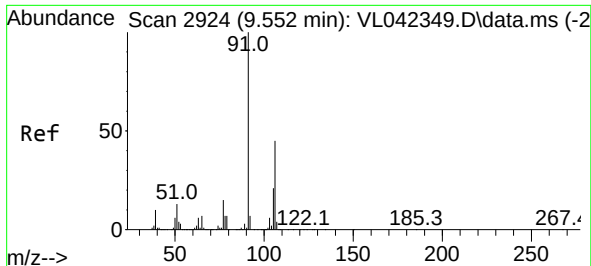


#58  
Ethyl Benzene  
Concen: 9.394 ppbv  
RT: 9.354 min Scan# 2863  
Delta R.T. -0.000 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

Tgt Ion: 91 Resp: 568129  
Ion Ratio Lower Upper  
91 100  
106 27.8 23.0 34.4







#59

m/p-Xylene

Concen: 19.073 ppbv m

RT: 9.548 min Scan# 2924

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 92920

Ion Ratio Lower Upper

91 100

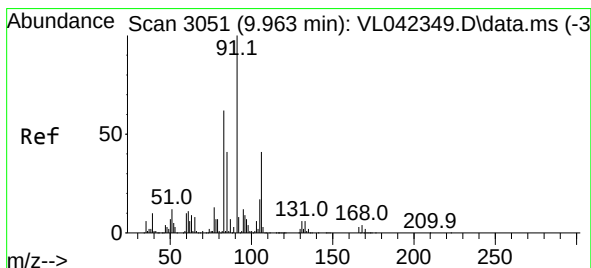
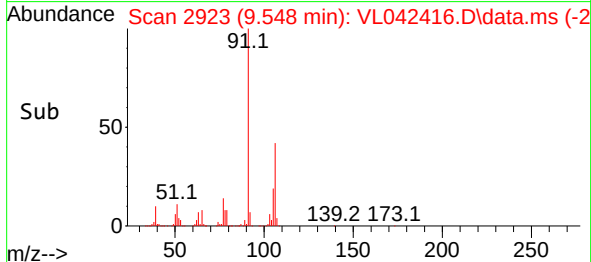
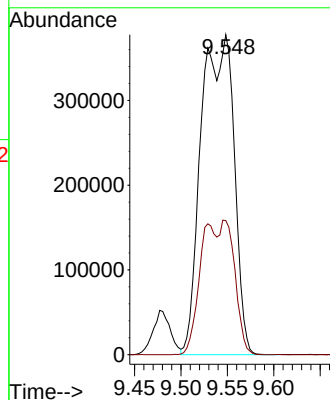
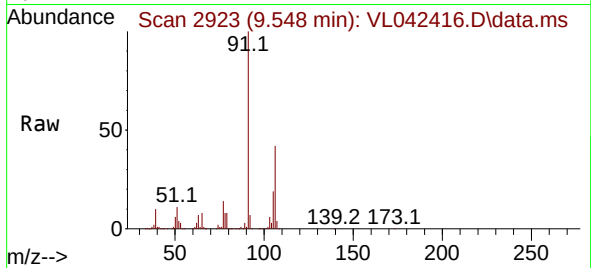
106 42.7 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/30/2025



#60

o-Xylene

Concen: 9.507 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VL042416.D

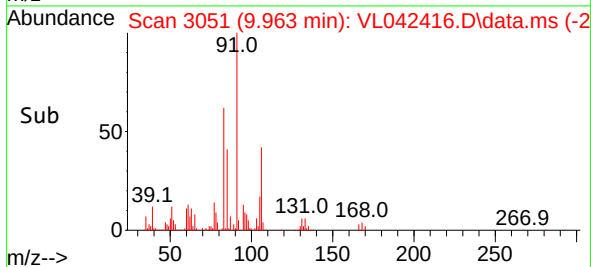
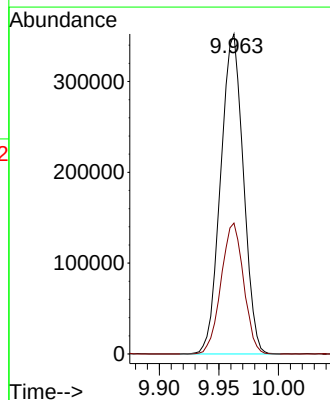
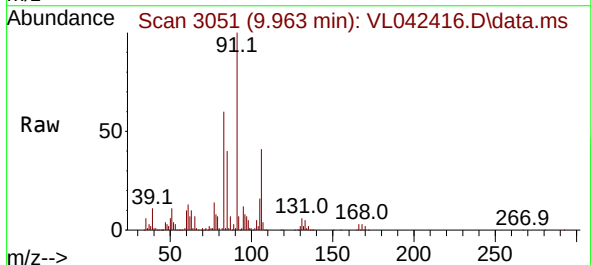
Acq: 28 Apr 2025 08:44

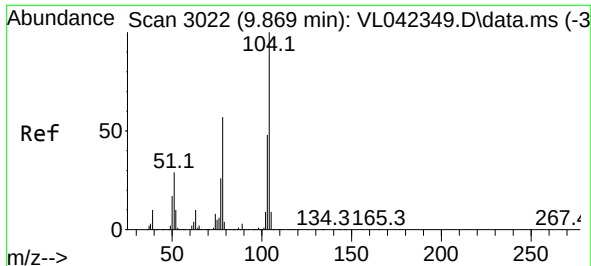
Tgt Ion: 91 Resp: 466411

Ion Ratio Lower Upper

91 100

106 40.6 21.1 63.4





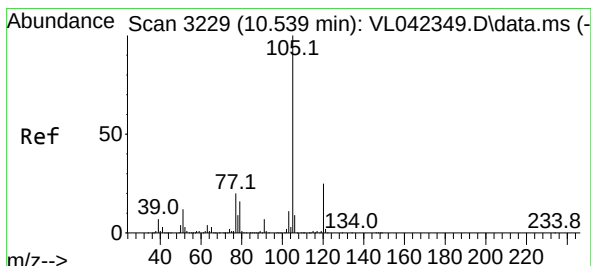
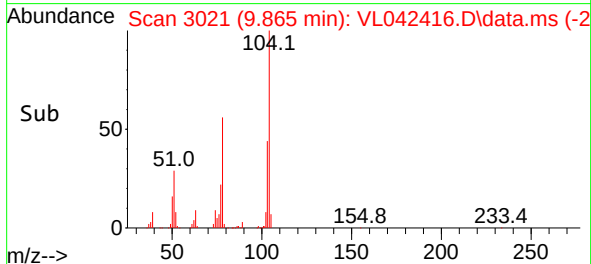
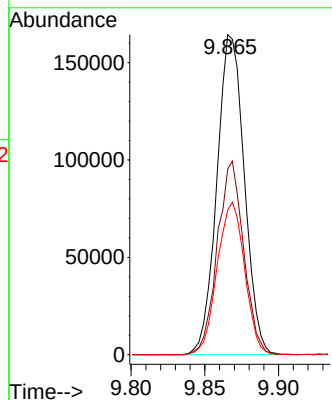
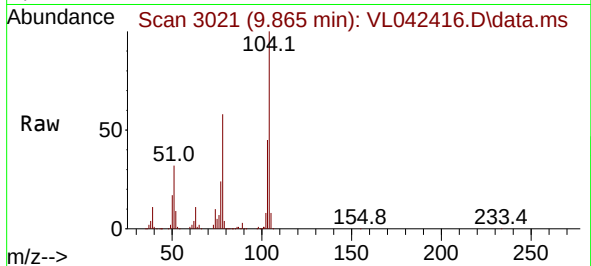
#61  
Styrene  
Concen: 9.101 ppbv  
RT: 9.865 min Scan# 3022  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion:104 Resp: 213119  
Ion Ratio Lower Upper  
104 100  
78 57.9 44.6 66.8  
103 47.6 37.4 56.0

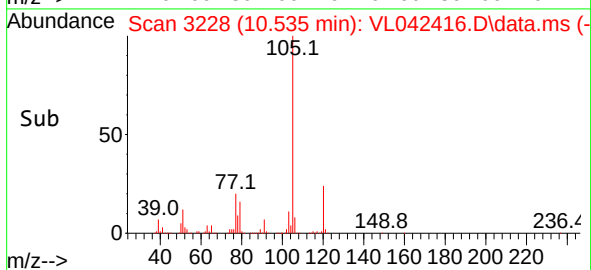
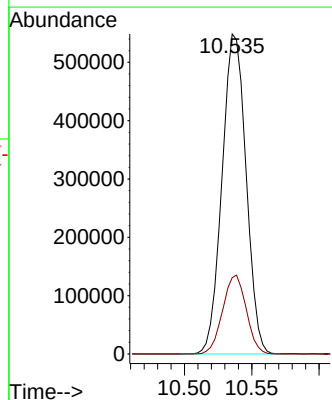
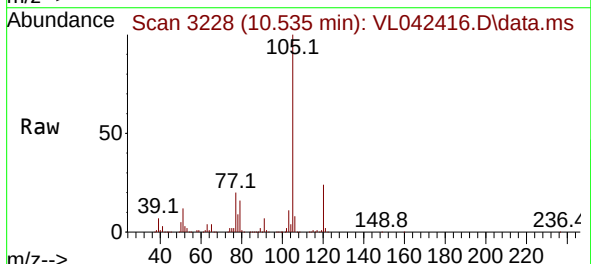
Manual Integrations  
APPROVED

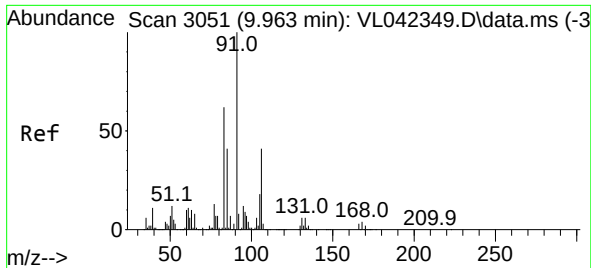
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



#62  
Isopropylbenzene  
Concen: 9.452 ppbv  
RT: 10.535 min Scan# 3228  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

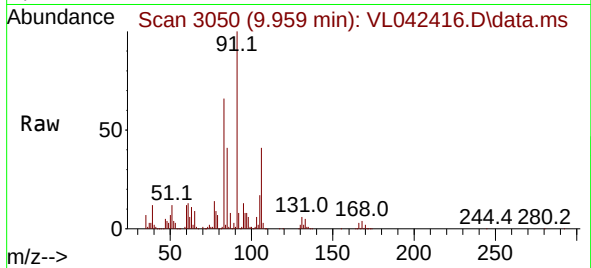
Tgt Ion:105 Resp: 680837  
Ion Ratio Lower Upper  
105 100  
120 24.1 19.8 29.8





#63  
1,1,2,2-Tetrachloroethane  
Concen: 8.639 ppbv  
RT: 9.959 min Scan# 3051  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

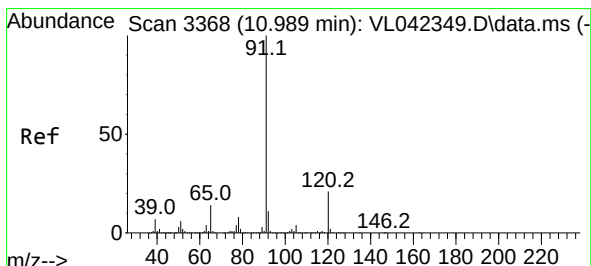
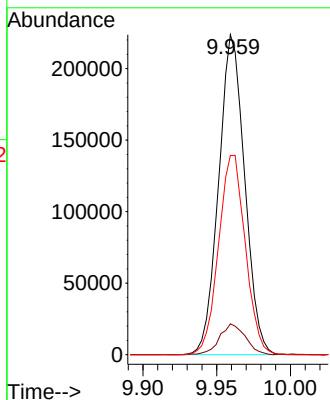
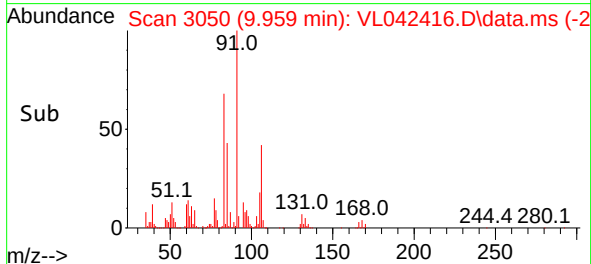
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



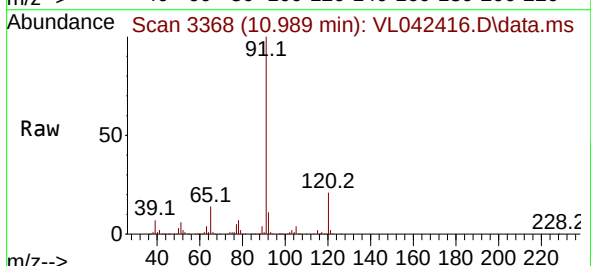
Tgt Ion: 83 Resp: 27465  
Ion Ratio Lower Upper  
83 100  
131 9.6 4.5 13.7  
85 64.2 32.4 97.0

Manual Integrations  
APPROVED

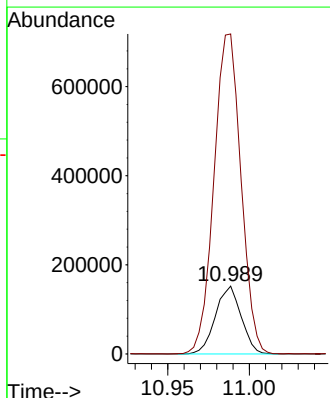
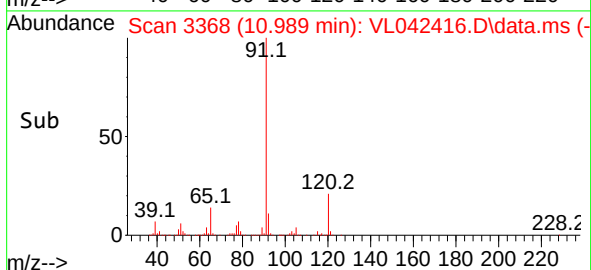
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025

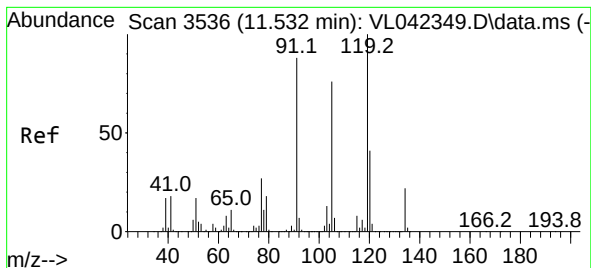


#64  
n-propylbenzene  
Concen: 9.223 ppbv  
RT: 10.989 min Scan# 3368  
Delta R.T. -0.000 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44



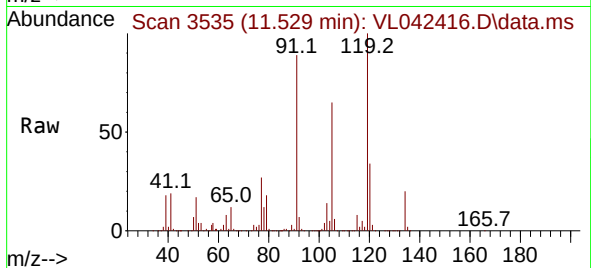
Tgt Ion:120 Resp: 166984  
Ion Ratio Lower Upper  
120 100  
91 495.0 392.4 588.6





#65  
tert-Butylbenzene  
Concen: 9.219 ppbv  
RT: 11.529 min Scan# 3535  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

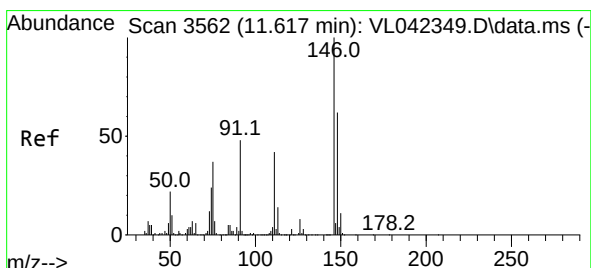
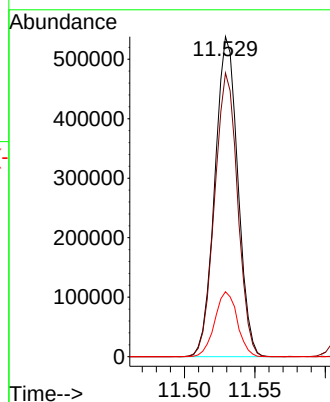
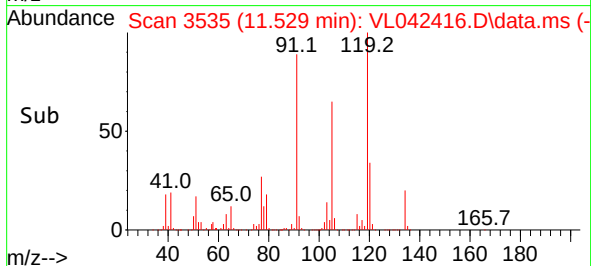
Instrument : MSVOA\_L  
ClientSampleId : VSTDCCC010



Tgt Ion: 119 Resp: 610304  
Ion Ratio Lower Upper  
119 100  
91 88.8 74.6 111.8  
134 19.9 18.8 28.2

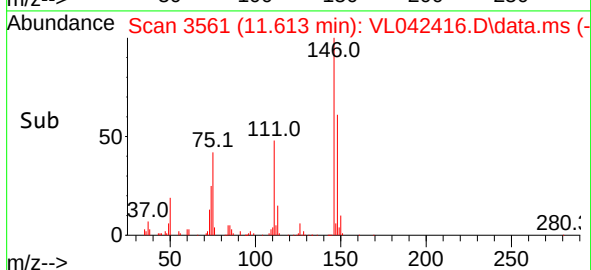
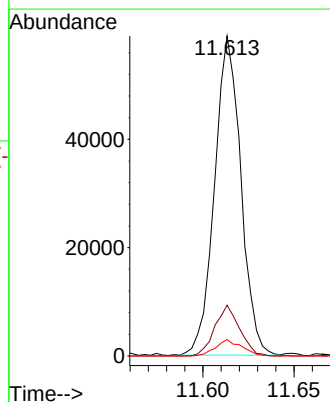
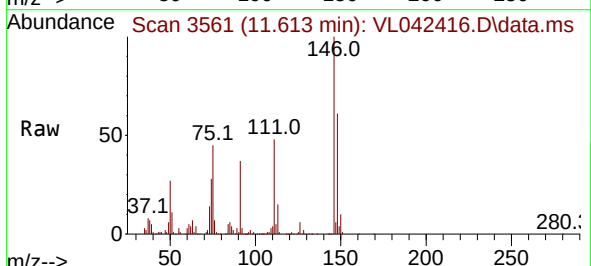
Manual Integrations  
APPROVED

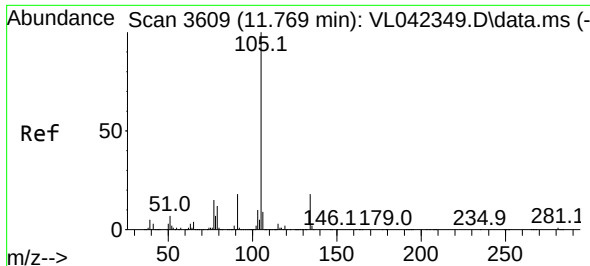
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



#66  
Benzyl Chloride  
Concen: 8.136 ppbv  
RT: 11.613 min Scan# 3561  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

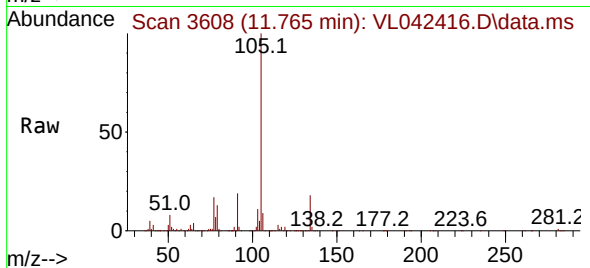
Tgt Ion: 91 Resp: 59187  
Ion Ratio Lower Upper  
91 100  
126 15.1 11.8 17.6  
128 5.1 4.5 6.7





#67  
 sec-Butylbenzene  
 Concen: 9.276 ppbv  
 RT: 11.765 min Scan# 3608  
 Delta R.T. -0.003 min  
 Lab File: VL042416.D  
 Acq: 28 Apr 2025 08:44

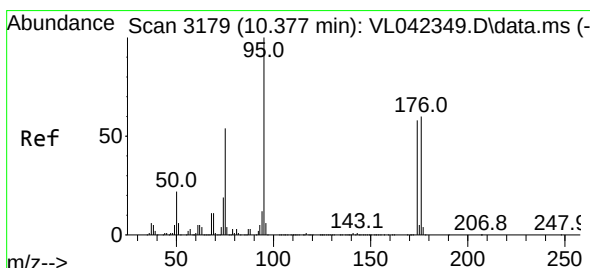
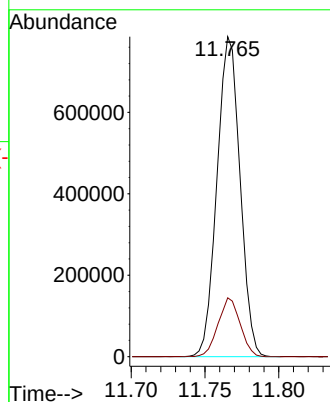
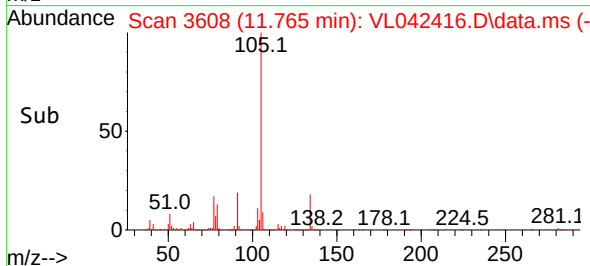
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



Tgt Ion:105 Resp: 854169  
 Ion Ratio Lower Upper  
 105 100  
 134 17.7 14.6 21.8

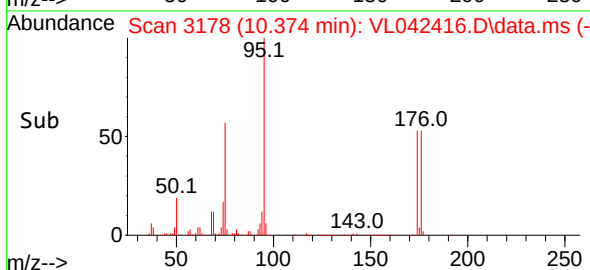
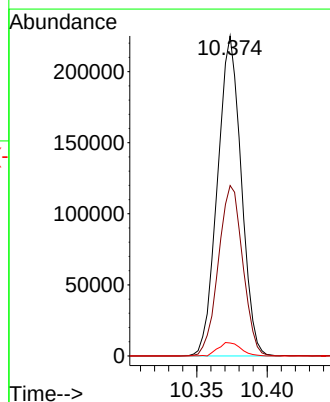
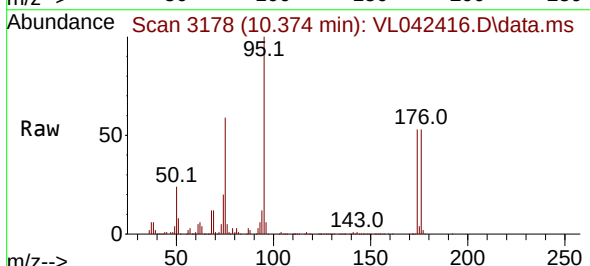
Manual Integrations  
 APPROVED

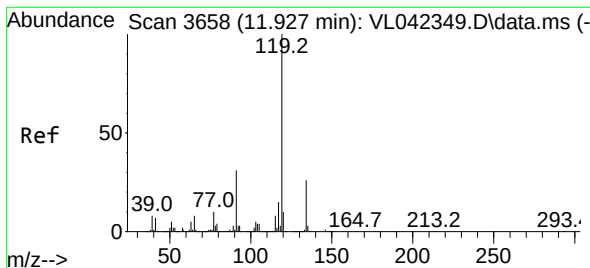
Reviewed By :Semsettin Yesilyurt 04/29/2025  
 Supervised By :Mahesh Dadoda 04/30/2025



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.533 ppbv  
 RT: 10.374 min Scan# 3178  
 Delta R.T. -0.003 min  
 Lab File: VL042416.D  
 Acq: 28 Apr 2025 08:44

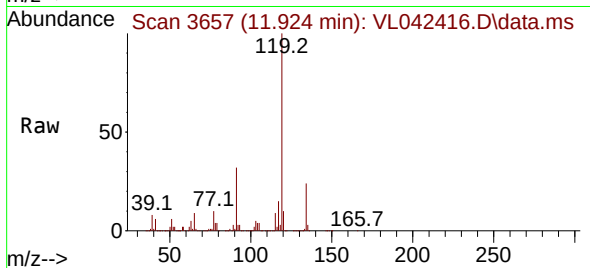
Tgt Ion: 95 Resp: 264197  
 Ion Ratio Lower Upper  
 95 100  
 174 54.7 48.5 72.7  
 175 4.0 3.7 5.5





#69  
p-Isopropyltoluene  
Concen: 9.155 ppbv  
RT: 11.924 min Scan# 3657  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

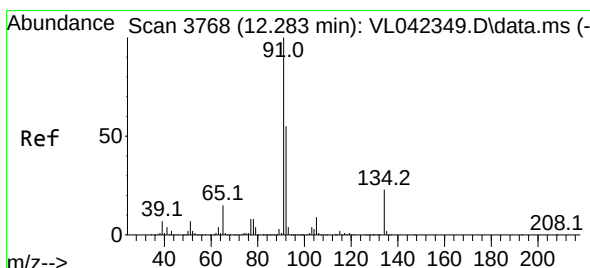
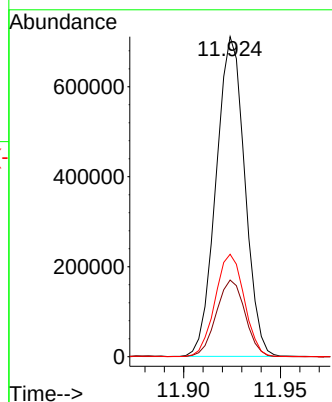
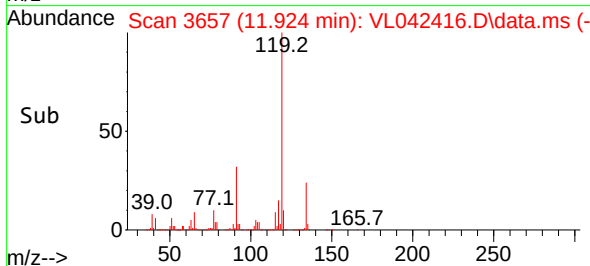
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



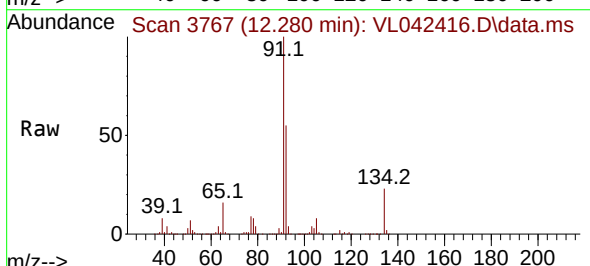
Tgt Ion: 119 Resp: 73236  
Ion Ratio Lower Upper  
119 100  
134 24.2 20.0 30.0  
91 32.7 24.4 36.6

Manual Integrations  
APPROVED

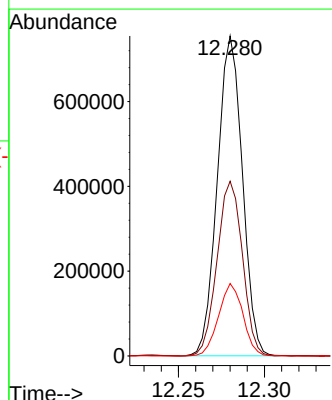
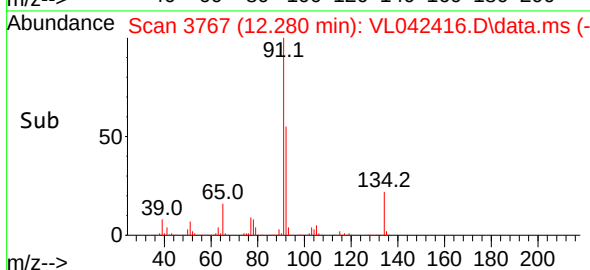
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025

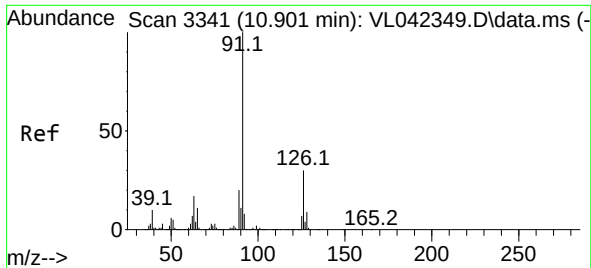


#70  
n-Butylbenzene  
Concen: 9.188 ppbv  
RT: 12.280 min Scan# 3767  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44



Tgt Ion: 91 Resp: 765539  
Ion Ratio Lower Upper  
91 100  
92 55.5 44.2 66.4  
134 22.1 18.2 27.4





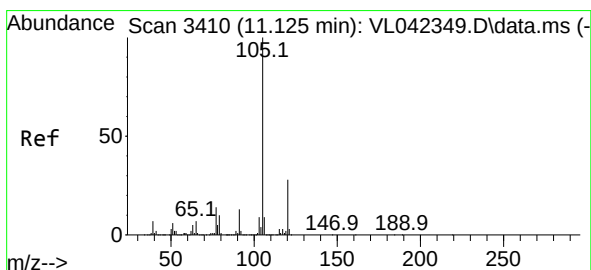
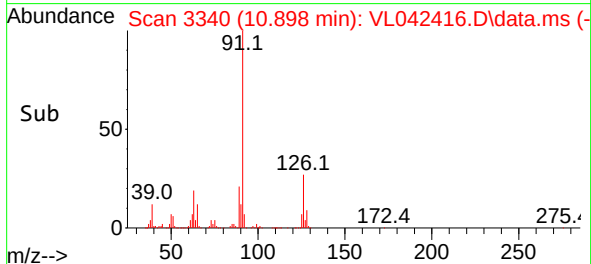
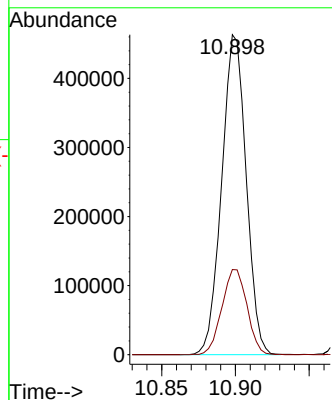
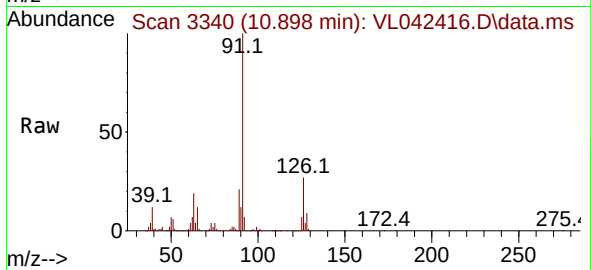
#71  
2-Chlorotoluene  
Concen: 9.467 ppbv  
RT: 10.898 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 91 Resp: 534834  
Ion Ratio Lower Upper  
91 100  
126 27.2 11.4 45.4

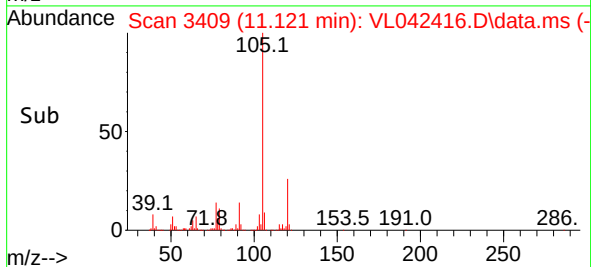
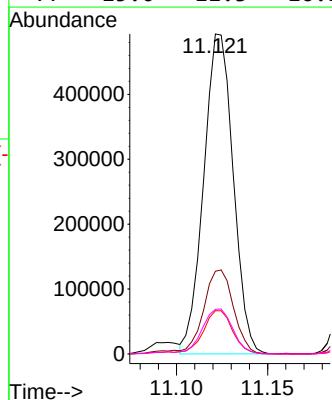
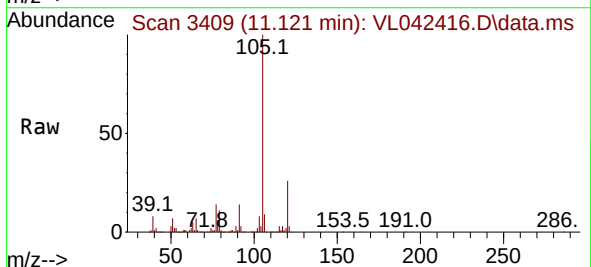
Manual Integrations  
APPROVED

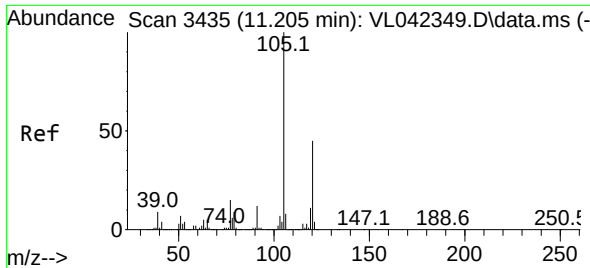
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



#72  
4-Ethyltoluene  
Concen: 9.280 ppbv  
RT: 11.121 min Scan# 3409  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

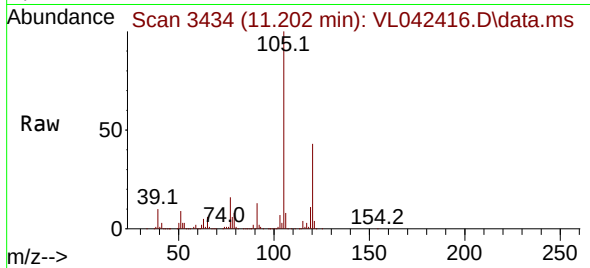
Tgt Ion:105 Resp: 556591  
Ion Ratio Lower Upper  
105 100  
120 27.4 23.2 34.8  
91 13.9 10.4 15.6  
77 15.0 11.3 16.9





#73  
1,3,5-Trimethylbenzene  
Concen: 9.201 ppbv  
RT: 11.202 min Scan# 3435  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

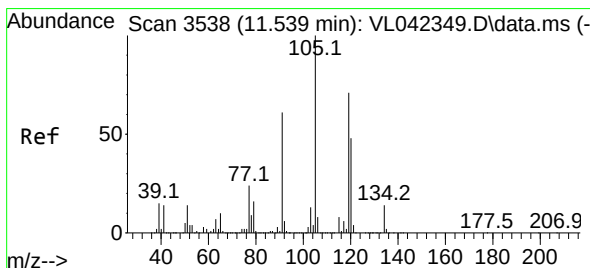
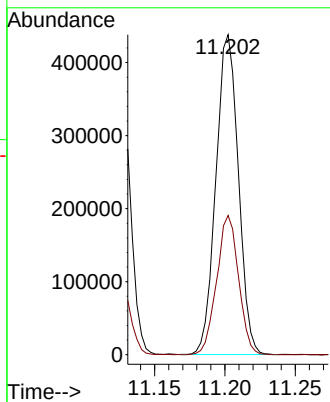
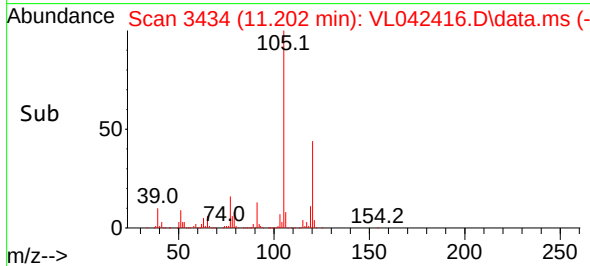
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



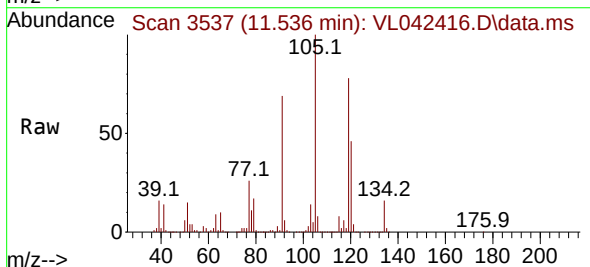
Tgt Ion:105 Resp: 48722  
Ion Ratio Lower Upper  
105 100  
120 43.5 35.6 53.4

Manual Integrations  
APPROVED

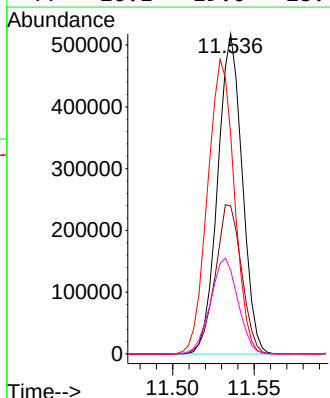
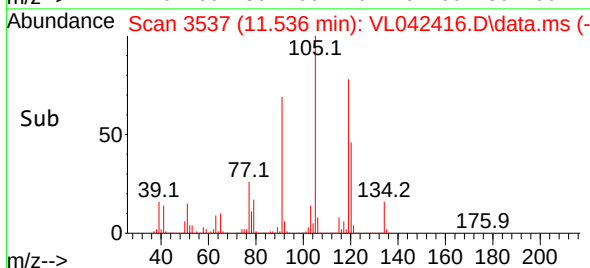
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025



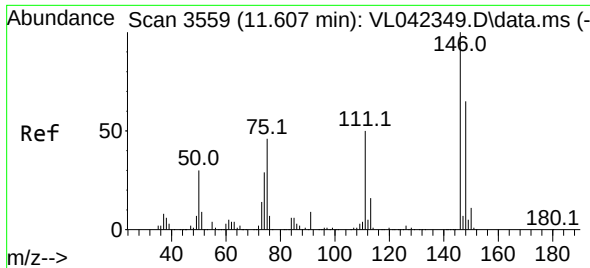
#74  
1,2,4-Trimethylbenzene  
Concen: 8.759 ppbv  
RT: 11.536 min Scan# 3537  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44



Tgt Ion:105 Resp: 541720  
Ion Ratio Lower Upper  
105 100  
120 46.2 38.1 57.1  
91 68.6 48.8 73.2  
77 26.1 19.0 28.4

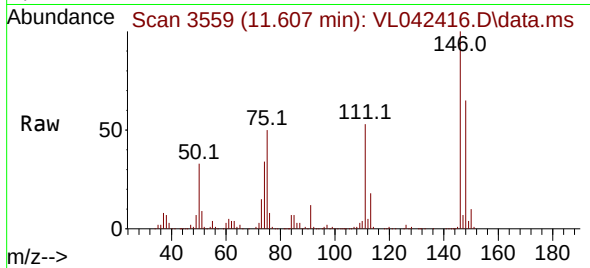






#75  
1,3-Dichlorobenzene  
Concen: 8.936 ppbv  
RT: 11.607 min Scan# 3559  
Delta R.T. -0.000 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

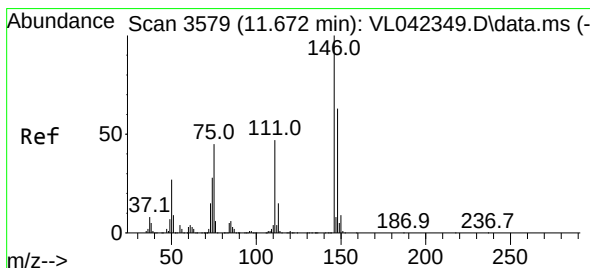
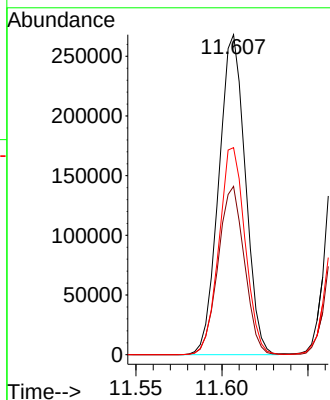
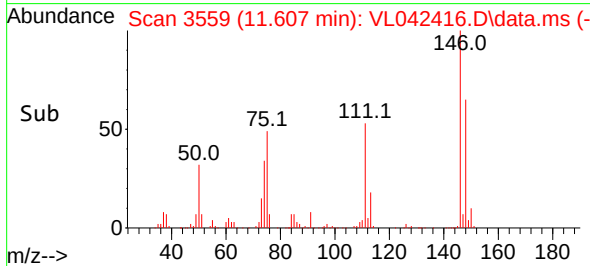
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



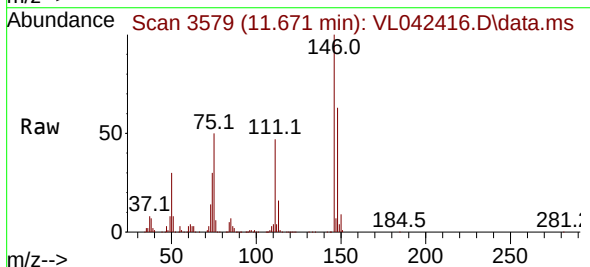
Tgt Ion:146 Resp: 287285  
Ion Ratio Lower Upper  
146 100  
111 52.1 24.3 72.8  
148 63.9 31.6 94.8

Manual Integrations  
APPROVED

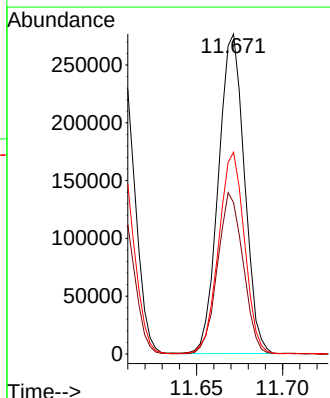
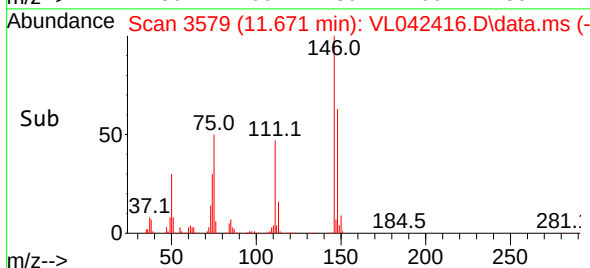
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025

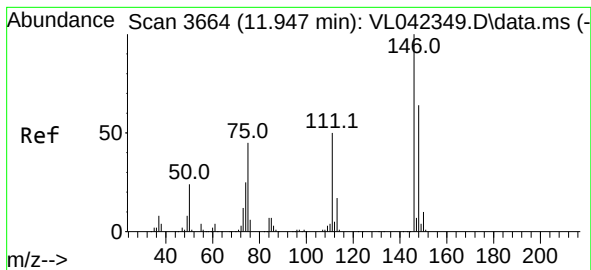


#76  
1,4-Dichlorobenzene  
Concen: 8.991 ppbv  
RT: 11.671 min Scan# 3579  
Delta R.T. -0.000 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44



Tgt Ion:146 Resp: 290512  
Ion Ratio Lower Upper  
146 100  
111 49.8 24.2 72.6  
148 63.2 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 8.956 ppbv

RT: 11.943 min Scan# 3663

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 279962

Ion Ratio Lower Upper

146 100

111 53.8 25.3 75.9

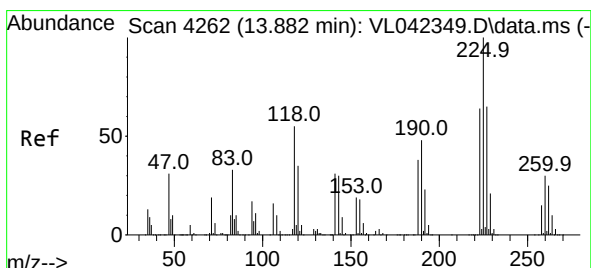
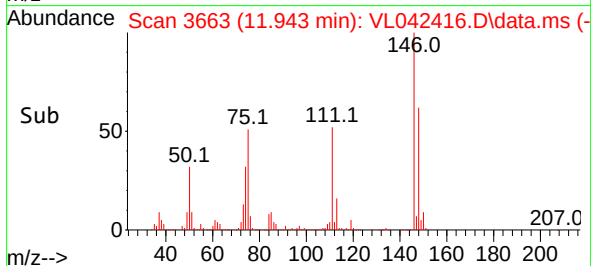
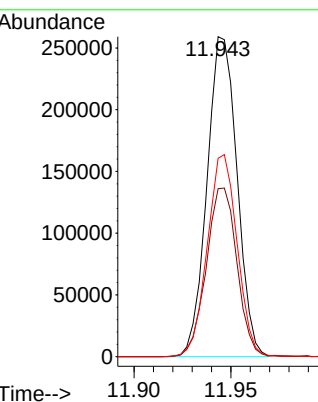
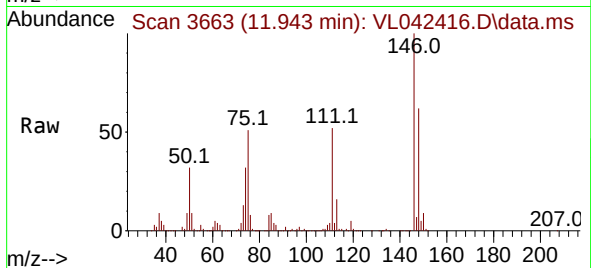
148 62.9 31.5 94.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/30/2025



#78

Hexachloro-1,3-Butadiene

Concen: 8.419 ppbv

RT: 13.879 min Scan# 4261

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

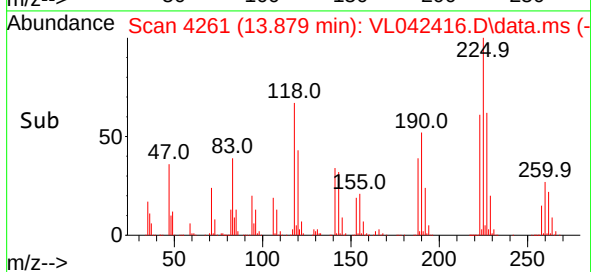
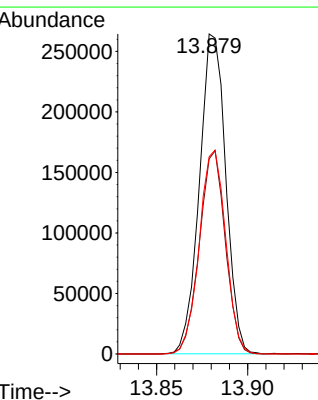
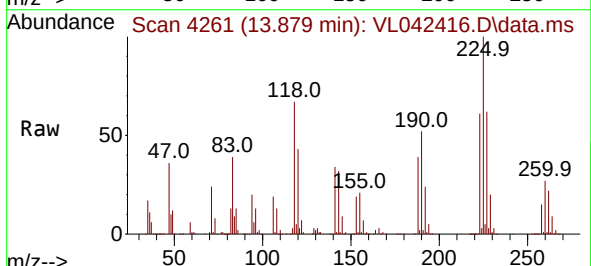
Tgt Ion:225 Resp: 265745

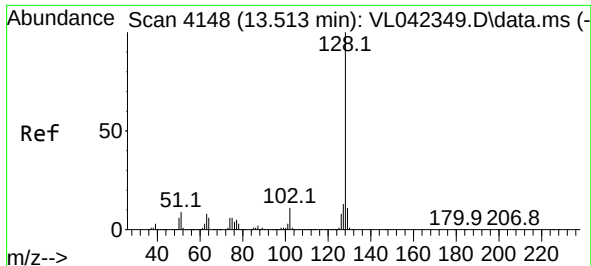
Ion Ratio Lower Upper

225 100

223 62.5 50.3 75.5

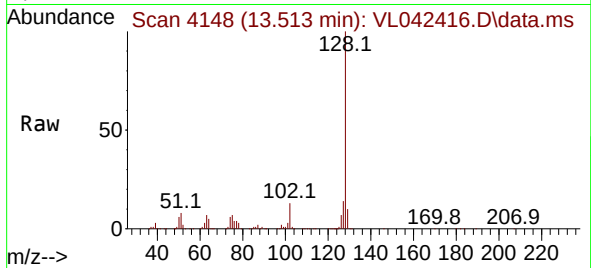
227 64.0 51.5 77.3





#79  
Naphthalene  
Concen: 8.418 ppbv  
RT: 13.513 min Scan# 4148  
Delta R.T. -0.000 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44

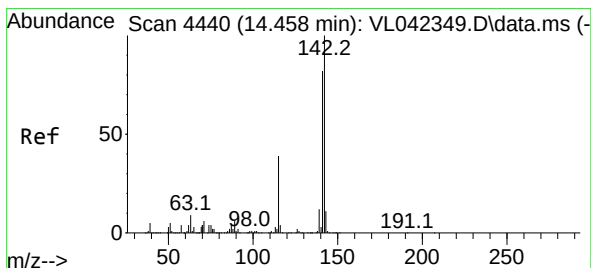
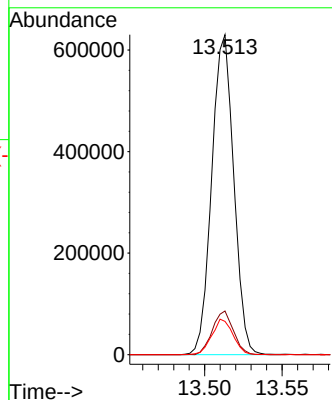
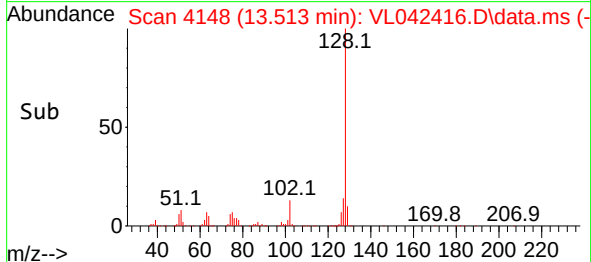
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



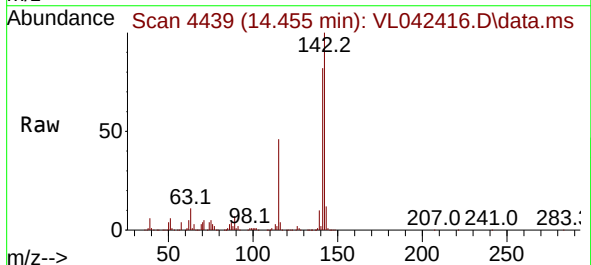
Tgt Ion:128 Resp: 622600  
Ion Ratio Lower Upper  
128 100  
127 13.7 10.6 15.8  
129 10.4 8.6 12.8

Manual Integrations  
APPROVED

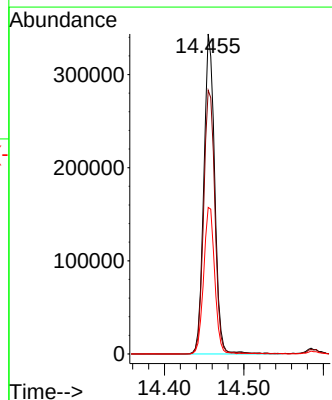
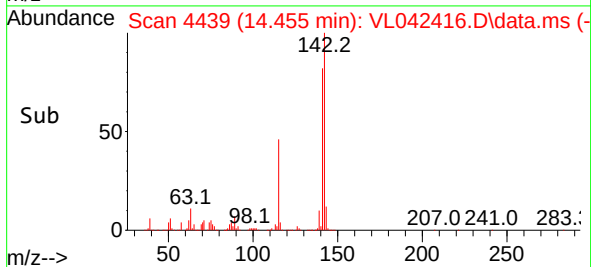
Reviewed By :Semsettin Yesilyurt 04/29/2025  
Supervised By :Mahesh Dadoda 04/30/2025

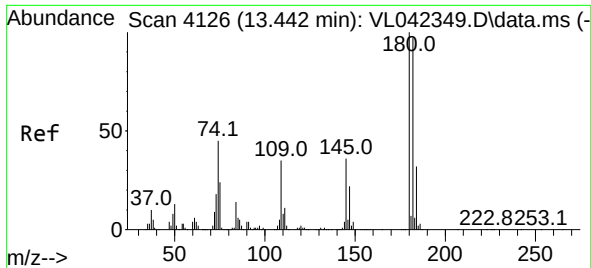


#80  
Naphthalene,2-methyl-  
Concen: 7.783 ppbv  
RT: 14.455 min Scan# 4439  
Delta R.T. -0.003 min  
Lab File: VL042416.D  
Acq: 28 Apr 2025 08:44



Tgt Ion:142 Resp: 328047  
Ion Ratio Lower Upper  
142 100  
141 86.0 66.8 100.2  
115 47.0 33.4 50.2





#81

1,2,4-Trichlorobenzene

Concen: 8.493 ppbv

RT: 13.439 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion:180 Resp: 26971

Ion Ratio Lower Upper

180 100

182 97.0 76.8 115.2

184 30.6 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/29/2025

Supervised By :Mahesh Dadoda 04/30/2025

