

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL070225\  
 Data File : VL042690.D  
 Acq On : 02 Jul 2025 08:56  
 Operator : SY/MD  
 Sample : VSTDICC002  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC002

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/03/2025  
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 01:25:48 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL070225AIR.M

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

QLast Update : Thu Jul 03 01:24:10 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.794 | 49   | 120042   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.969 | 114  | 312860   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.892 | 117  | 271598   | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.384 95 211854 10.141 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.400%

Target Compounds

|                               |       |     |        |       |        | Qvalue |
|-------------------------------|-------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.502 | 85  | 26783  | 2.131 | ppbv   | 97     |
| 3) Chlorodifluoromethane      | 1.480 | 51  | 38872  | 2.069 | ppbv   | 100    |
| 4) Chloromethane              | 1.535 | 50  | 10573  | 2.145 | ppbv   | 89     |
| 5) Vinyl Chloride             | 1.583 | 62  | 9733   | 1.965 | ppbv   | 99     |
| 6) Bromomethane               | 1.671 | 94  | 4273   | 1.931 | ppbv   | 97     |
| 7) Chloroethane               | 1.706 | 64  | 4013   | 2.110 | ppbv   | 97     |
| 8) Dichlorotetrafluoroethane  | 1.557 | 85  | 21841  | 2.098 | ppbv   | 100    |
| 9) Propene                    | 1.486 | 41  | 15391  | 2.189 | ppbv   | 95     |
| 10) Heptane                   | 4.995 | 43  | 40605m | 2.128 | ppbv   |        |
| 11) Trichlorofluoromethane    | 1.881 | 101 | 28523  | 2.153 | ppbv   | 99     |
| 12) 1,1,2-Trichlorotrifluo... | 2.143 | 101 | 21456  | 2.046 | ppbv   | 95     |
| 13) Ethanol                   | 1.726 | 45  | 1757   | 2.630 | ppbv   | 95     |
| 14) Bromoethene               | 1.784 | 108 | 7746   | 2.119 | ppbv # | 96     |
| 15) Acetone                   | 1.839 | 43  | 25238  | 2.120 | ppbv   | 97     |
| 16) 1,3-Butadiene             | 1.612 | 39  | 11117  | 2.026 | ppbv   | 99     |
| 17) tert-Butyl alcohol        | 2.046 | 59  | 23997  | 2.066 | ppbv   | 97     |
| 18) 1,1-Dichloroethene        | 2.040 | 96  | 10032  | 2.153 | ppbv   | 94     |
| 19) Isopropyl Alcohol         | 1.891 | 45  | 14705  | 2.149 | ppbv # | 1      |
| 20) Methylene Chloride        | 2.066 | 84  | 9338   | 2.051 | ppbv   | 97     |
| 21) Allyl Chloride            | 2.101 | 41  | 17280  | 2.081 | ppbv   | 98     |
| 22) trans-1,2-Dichloroethene  | 2.347 | 96  | 11093  | 2.186 | ppbv   | 94     |
| 23) Vinyl Acetate             | 2.467 | 43  | 39372  | 2.044 | ppbv # | 98     |
| 24) 1,1-Dichloroethane        | 2.415 | 63  | 21916  | 2.089 | ppbv   | 99     |
| 25) Ethyl Acetate             | 2.842 | 43  | 77767  | 2.159 | ppbv   | 100    |
| 26) Hexane                    | 2.833 | 57  | 32281  | 2.148 | ppbv   | 98     |
| 27) Carbon Disulfide          | 2.156 | 76  | 25545  | 2.085 | ppbv # | 85     |
| 28) Methyl tert-Butyl Ether   | 2.451 | 73  | 14297  | 2.326 | ppbv   | 100    |
| 29) Chloroform                | 2.855 | 83  | 48759  | 2.148 | ppbv   | 92     |
| 30) Cyclohexane               | 3.872 | 84  | 24389  | 2.148 | ppbv   | 95     |
| 31) cis-1,2-Dichloroethene    | 2.729 | 61  | 29632  | 2.072 | ppbv   | 100    |
| 32) 1,1,1-Trichloroethane     | 3.376 | 97  | 41283  | 1.903 | ppbv   | 98     |
| 34) 2-Butanone                | 2.564 | 43  | 51845  | 2.094 | ppbv   | 97     |
| 35) Carbon Tetrachloride      | 3.771 | 117 | 41742  | 1.924 | ppbv   | 94     |
| 36) Benzene                   | 3.664 | 78  | 64694  | 2.052 | ppbv   | 98     |
| 37) 1,2-Dichloroethane        | 3.224 | 62  | 33990  | 2.030 | ppbv   | 97     |
| 38) Trichloroethene           | 4.561 | 130 | 27249  | 2.000 | ppbv   | 89     |
| 39) 1,2-Dichloropropane       | 4.321 | 63  | 25320  | 2.058 | ppbv # | 84     |
| 40) 1,4-Dioxane               | 4.600 | 88  | 9321m  | 1.972 | ppbv   |        |
| 41) Tetrahydrofuran           | 3.066 | 42  | 25677  | 2.035 | ppbv   | 97     |
| 42) Bromodichloromethane      | 4.499 | 83  | 48408  | 2.041 | ppbv   | 96     |
| 43) Methyl Methacrylate       | 4.898 | 69  | 20355  | 2.010 | ppbv   | 97     |
| 44) 2,2,4-Trimethylpentane    | 4.652 | 57  | 112040 | 2.129 | ppbv   | 98     |
| 45) t-1,3-Dichloropropene     | 6.432 | 75  | 20979m | 1.971 | ppbv   |        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL070225\  
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 Acq On : 02 Jul 2025 08:56  
 Operator : SY/MD  
 Sample : VSTDICC002  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC002

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025  
 Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 01:25:48 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL070225AIR.M

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

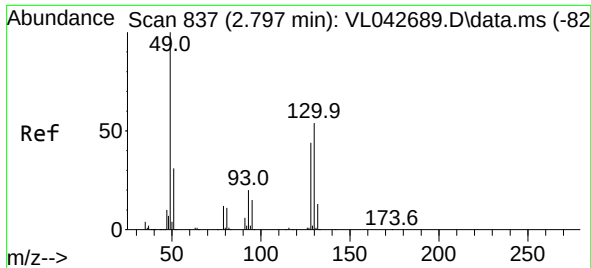
QLast Update : Thu Jul 03 01:24:10 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.619  | 75   | 29059m   | 1.979 | ppbv   |          |
| 47) 1,1,2-Trichloroethane     | 6.597  | 97   | 24877m   | 2.054 | ppbv   |          |
| 48) Dibromochloromethane      | 7.396  | 129  | 38842    | 2.094 | ppbv   | 99       |
| 49) Bromoform                 | 9.494  | 173  | 32624    | 2.037 | ppbv   | 98       |
| 50) 4-Methyl-2-Pentanone      | 5.771  | 43   | 58107    | 2.008 | ppbv   | 99       |
| 51) 2-Hexanone                | 7.451  | 43   | 42828    | 2.026 | ppbv # | 99       |
| 52) Tetrachloroethene         | 8.238  | 164  | 21125    | 1.997 | ppbv   | 92       |
| 53) Toluene                   | 6.950  | 91   | 59500    | 2.021 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 7.668  | 107  | 34397    | 2.035 | ppbv   | 93       |
| 56) 1,1,1,2-Tetrachloroethane | 8.937  | 131  | 30008    | 2.043 | ppbv   | 94       |
| 57) Chlorobenzene             | 8.930  | 112  | 57600    | 2.114 | ppbv # | 92       |
| 58) Ethyl Benzene             | 9.367  | 91   | 82202    | 2.093 | ppbv   | 98       |
| 59) m/p-Xylene                | 9.562  | 91   | 142254m  | 4.322 | ppbv   |          |
| 60) o-Xylene                  | 9.973  | 91   | 71539    | 2.211 | ppbv   | 95       |
| 61) Styrene                   | 9.882  | 104  | 25203    | 1.982 | ppbv   | 98       |
| 62) Isopropylbenzene          | 10.549 | 105  | 106122   | 2.172 | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 9.973  | 83   | 51423    | 2.063 | ppbv   | 99       |
| 64) n-propylbenzene           | 10.995 | 120  | 27567    | 2.204 | ppbv   | 91       |
| 65) tert-Butylbenzene         | 11.539 | 119  | 96905    | 2.318 | ppbv   | 98       |
| 66) Benzyl Chloride           | 11.623 | 91   | 8222     | 2.030 | ppbv   | 99       |
| 67) sec-Butylbenzene          | 11.775 | 105  | 144413   | 2.255 | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 11.934 | 119  | 116378   | 2.283 | ppbv   | 100      |
| 70) n-Butylbenzene            | 12.287 | 91   | 119746   | 2.332 | ppbv   | 98       |
| 71) 2-Chlorotoluene           | 10.911 | 91   | 76582    | 2.119 | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 11.135 | 105  | 87315    | 2.211 | ppbv   | 98       |
| 73) 1,3,5-Trimethylbenzene    | 11.212 | 105  | 73219    | 2.199 | ppbv   | 98       |
| 74) 1,2,4-Trimethylbenzene    | 11.542 | 105  | 87853    | 2.313 | ppbv   | 97       |
| 75) 1,3-Dichlorobenzene       | 11.614 | 146  | 56931    | 2.136 | ppbv   | 98       |
| 76) 1,4-Dichlorobenzene       | 11.678 | 146  | 54426    | 2.152 | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 11.953 | 146  | 59993    | 2.229 | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 13.889 | 225  | 49131    | 2.343 | ppbv   | 100      |
| 79) Naphthalene               | 13.520 | 128  | 89795    | 2.852 | ppbv   | 98       |
| 80) Naphthalene,2-methyl-     | 14.465 | 142  | 31532    | 2.395 | ppbv   | 98       |
| 81) 1,2,4-Trichlorobenzene    | 13.446 | 180  | 46047    | 2.493 | ppbv   | 100      |

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





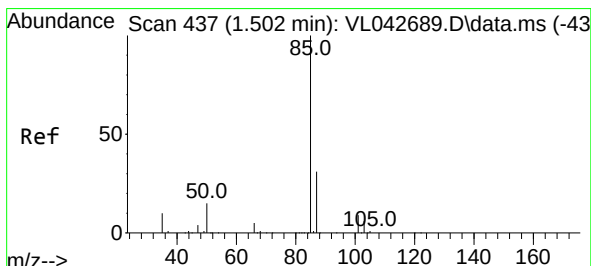
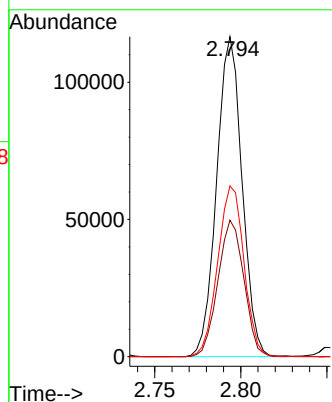
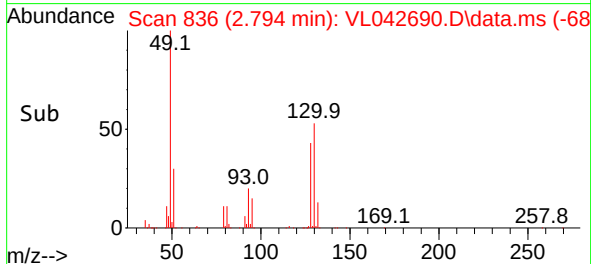
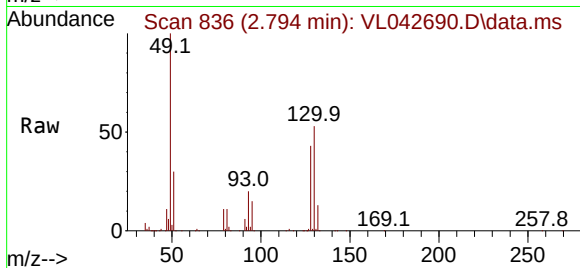
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Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.794 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

Tgt Ion: 49 Resp: 12004  
Ion Ratio Lower Upper  
49 100  
128 43.5 21.4 64.2  
130 55.1 28.0 84.0

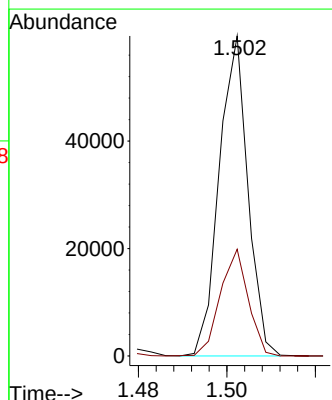
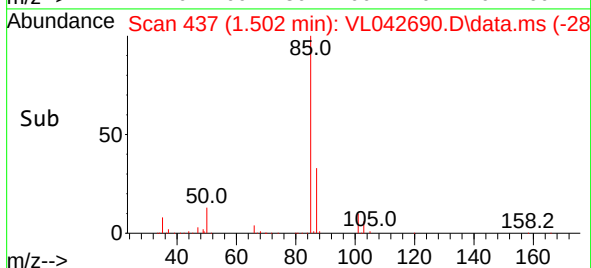
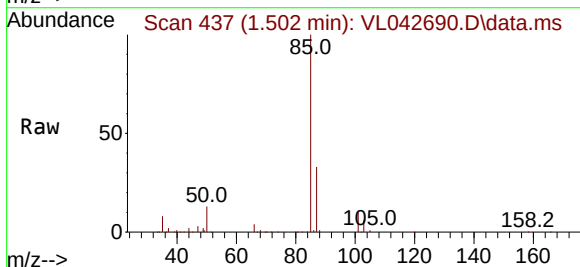
Manual Integrations  
APPROVED

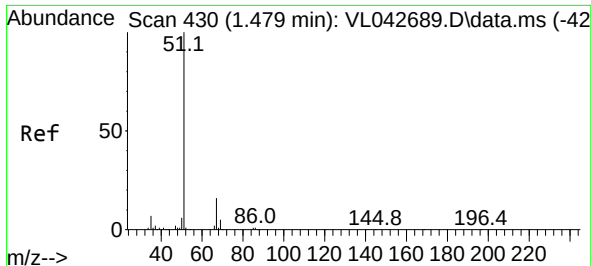
Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025



#2  
Dichlorodifluoromethane  
Concen: 2.131 ppbv  
RT: 1.502 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

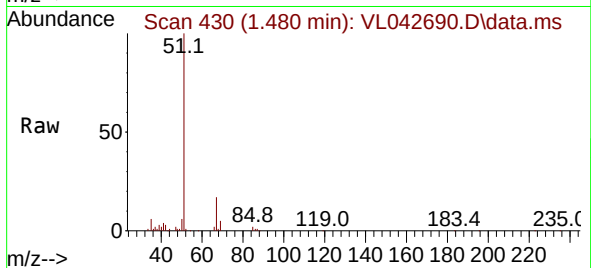
Tgt Ion: 85 Resp: 26783  
Ion Ratio Lower Upper  
85 100  
87 33.3 25.1 37.7





#3  
Chlorodifluoromethane  
Concen: 2.069 ppbv  
RT: 1.480 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

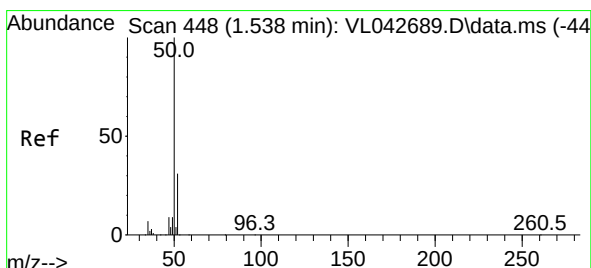
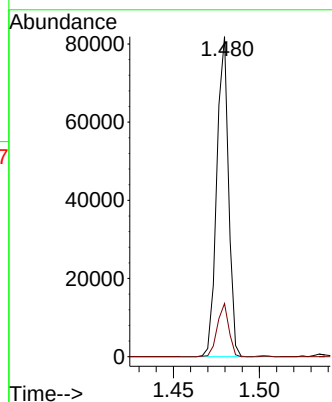
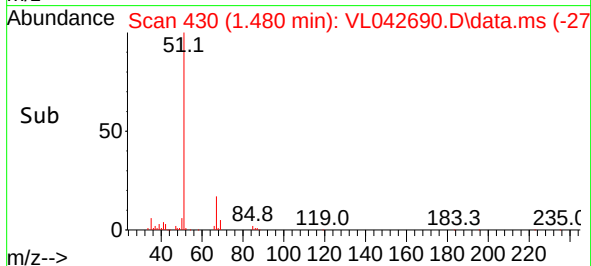
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



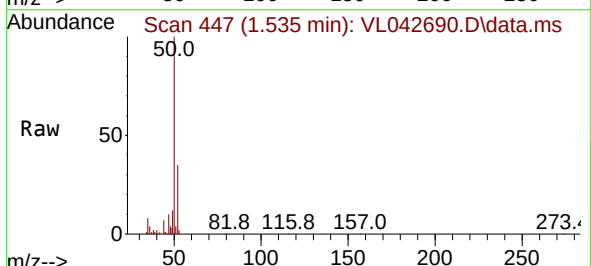
Tgt Ion: 51 Resp: 38872  
Ion Ratio Lower Upper  
51 100  
67 16.3 13.1 19.7

Manual Integrations  
APPROVED

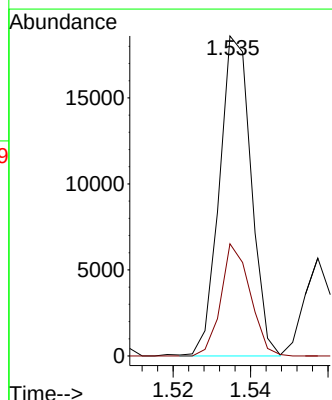
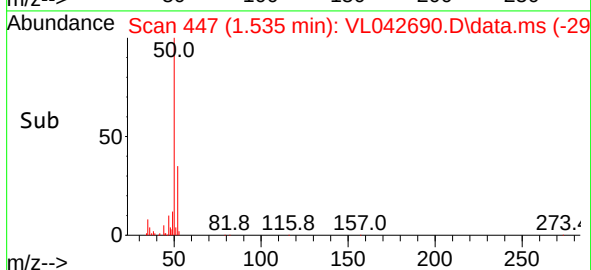
Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025

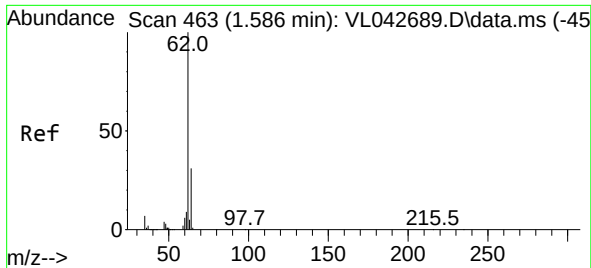


#4  
Chloromethane  
Concen: 2.145 ppbv  
RT: 1.535 min Scan# 447  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56



Tgt Ion: 50 Resp: 10573  
Ion Ratio Lower Upper  
50 100  
52 37.0 24.8 37.2





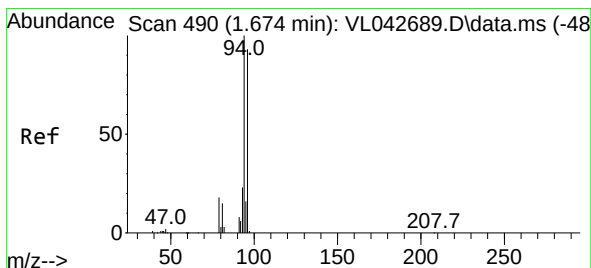
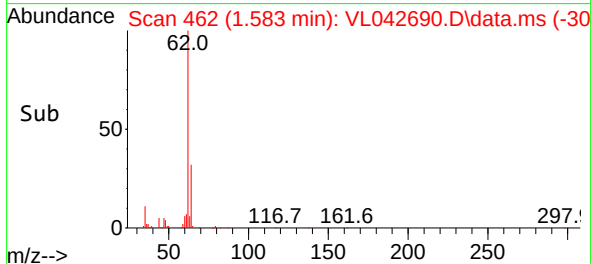
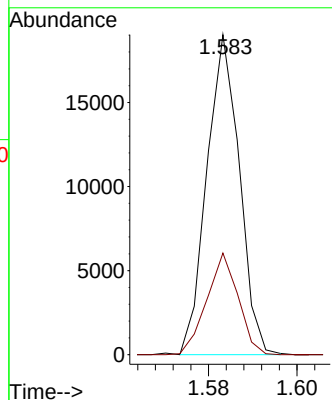
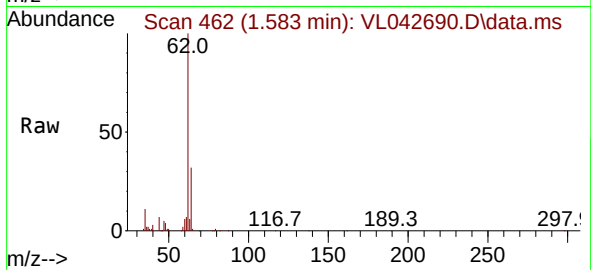
#5  
 Vinyl Chloride  
 Concen: 1.965 ppbv  
 RT: 1.583 min Scan# 462  
 Delta R.T. -0.003 min  
 Lab File: VL042690.D  
 Acq: 02 Jul 2025 08:56

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC002

Tgt Ion: 62 Resp: 973  
 Ion Ratio Lower Upper  
 62 100  
 64 31.8 25.1 37.7

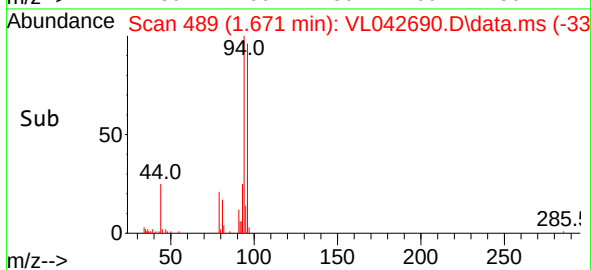
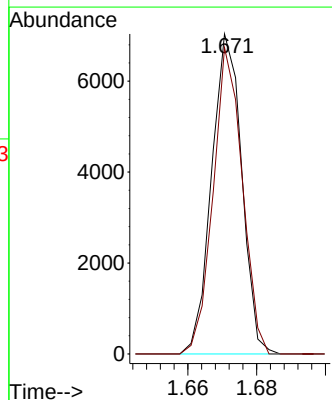
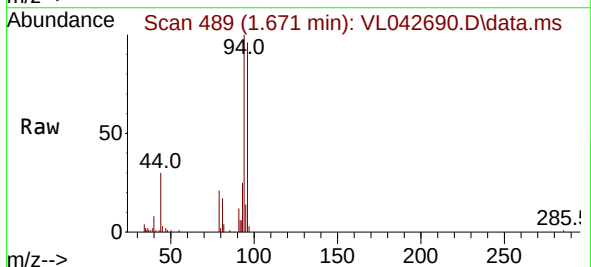
Manual Integrations  
 APPROVED

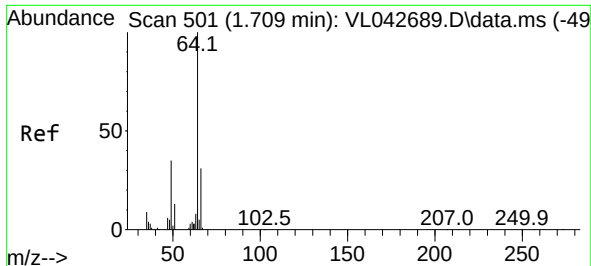
Reviewed By :Semsettin Yesilyurt 07/03/2025  
 Supervised By :Mahesh Dadoda 07/03/2025



#6  
 Bromomethane  
 Concen: 1.931 ppbv  
 RT: 1.671 min Scan# 489  
 Delta R.T. -0.003 min  
 Lab File: VL042690.D  
 Acq: 02 Jul 2025 08:56

Tgt Ion: 94 Resp: 4273  
 Ion Ratio Lower Upper  
 94 100  
 96 95.8 74.6 112.0





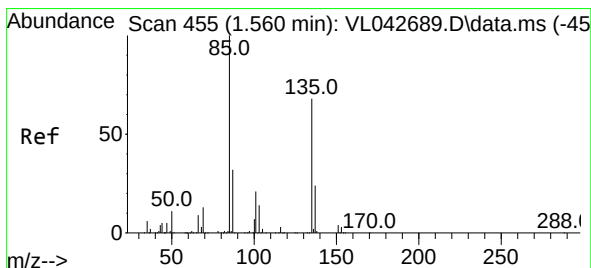
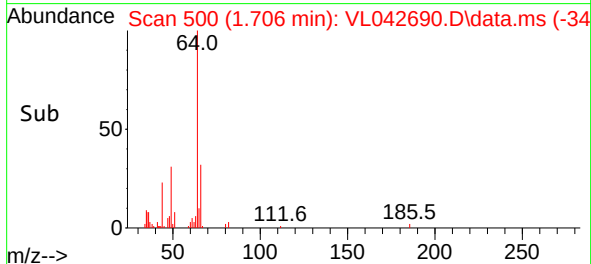
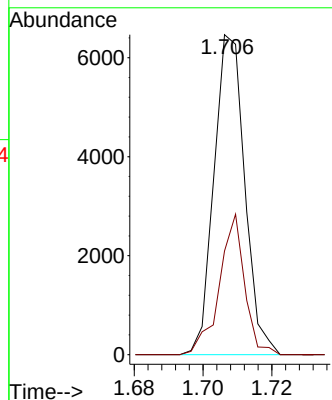
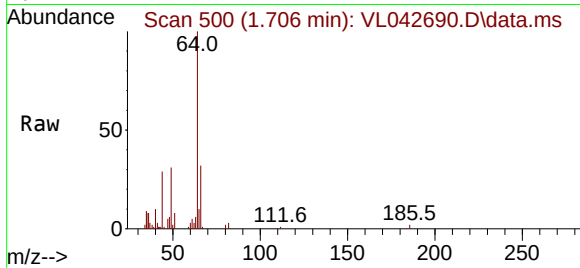
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Chloroethane  
Concen: 2.110 ppbv  
RT: 1.706 min Scan# 501  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

Tgt Ion: 64 Resp: 401  
Ion Ratio Lower Upper  
64 100  
66 32.4 24.7 37.1

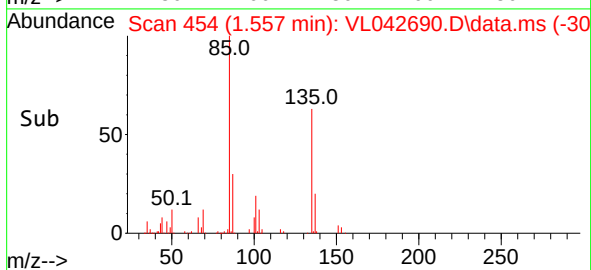
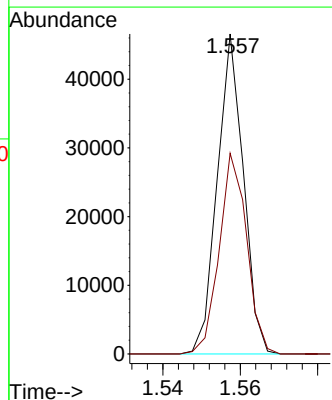
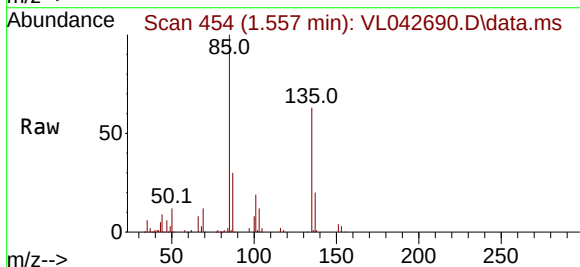
Manual Integrations  
APPROVED

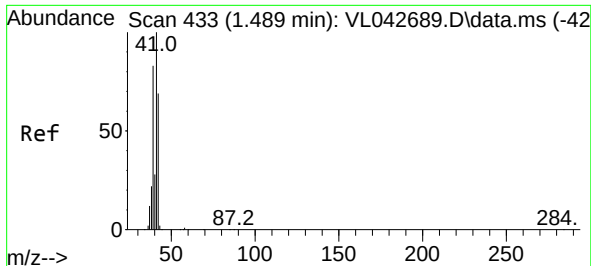
Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025



#8  
Dichlorotetrafluoroethane  
Concen: 2.098 ppbv  
RT: 1.557 min Scan# 454  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Tgt Ion: 85 Resp: 21841  
Ion Ratio Lower Upper  
85 100  
135 66.0 52.6 79.0





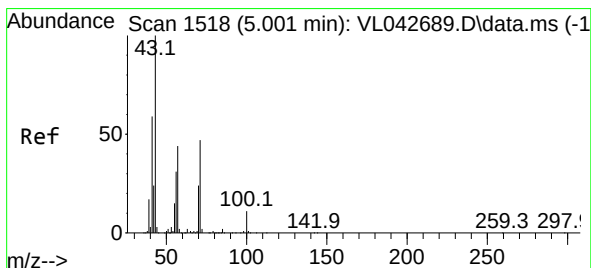
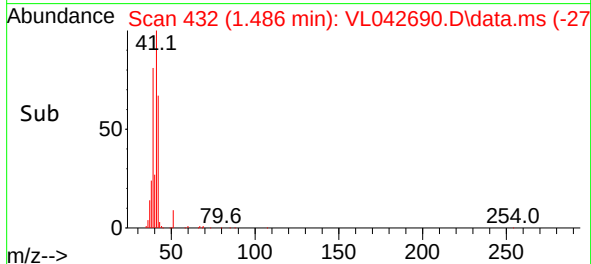
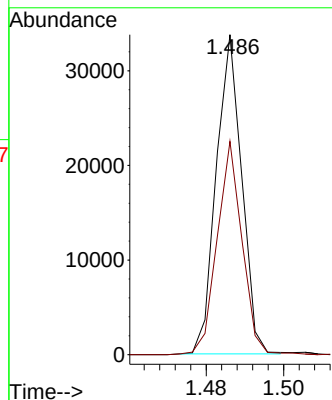
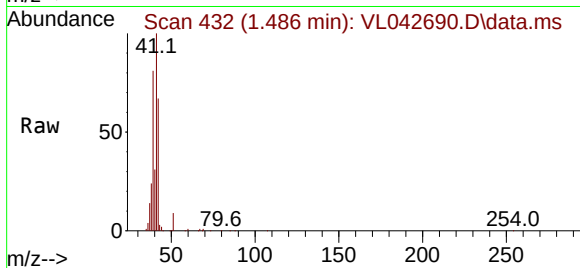
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Propene  
Concen: 2.189 ppbv  
RT: 1.486 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

Tgt Ion: 41 Resp: 1539  
Ion Ratio Lower Upper  
41 100  
42 65.7 55.6 83.4

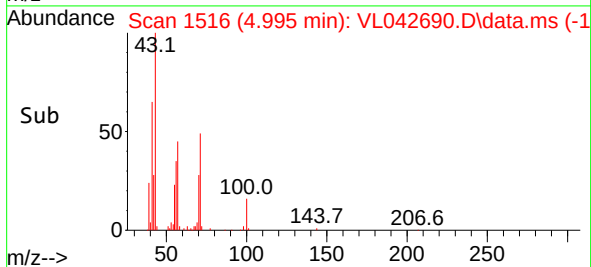
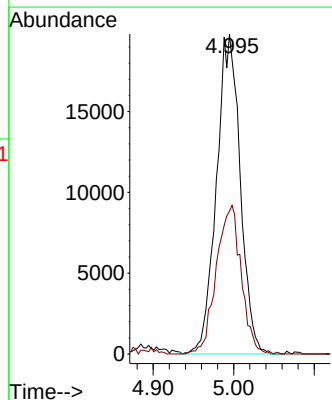
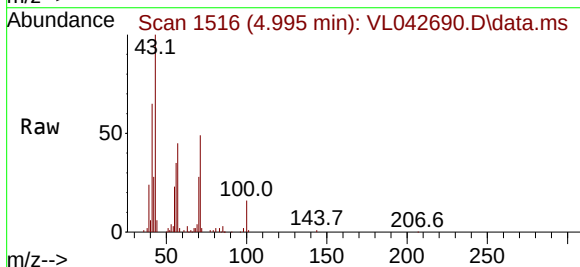
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025

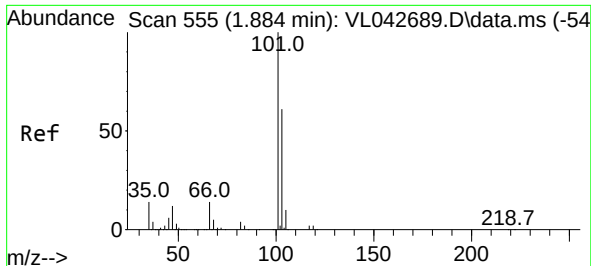


#10  
Heptane  
Concen: 2.128 ppbv m  
RT: 4.995 min Scan# 1516  
Delta R.T. -0.006 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Tgt Ion: 43 Resp: 40605  
Ion Ratio Lower Upper  
43 100  
57 48.6 37.4 56.0







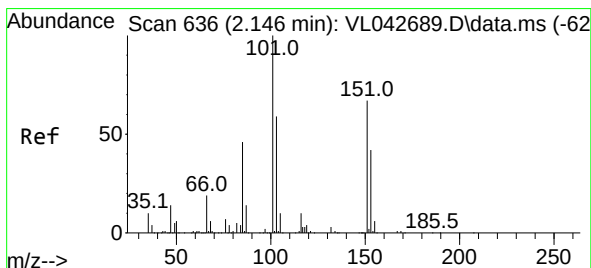
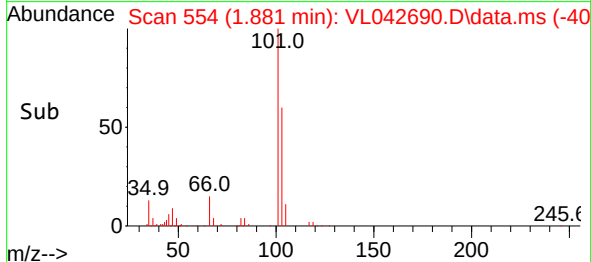
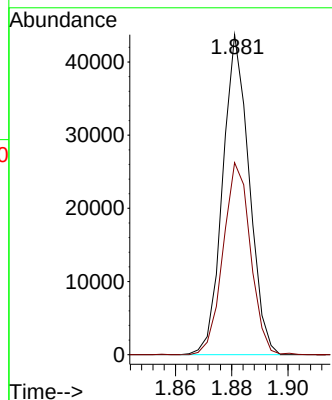
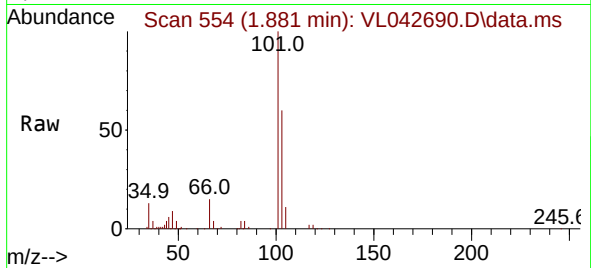
#11  
 Trichlorofluoromethane  
 Concen: 2.153 ppbv  
 RT: 1.881 min Scan# 51  
 Delta R.T. -0.003 min  
 Lab File: VL042690.D  
 Acq: 02 Jul 2025 08:56

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC002

Tgt Ion:101 Resp: 2852  
 Ion Ratio Lower Upper  
 101 100  
 103 60.0 48.9 73.3

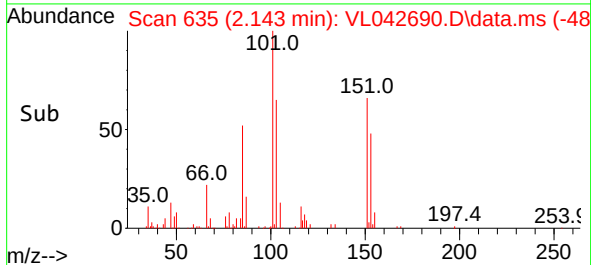
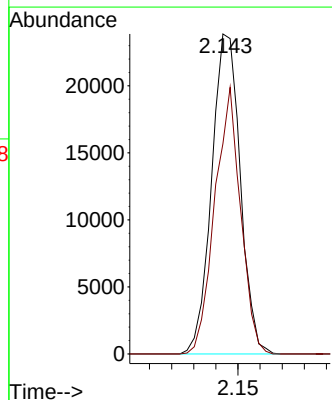
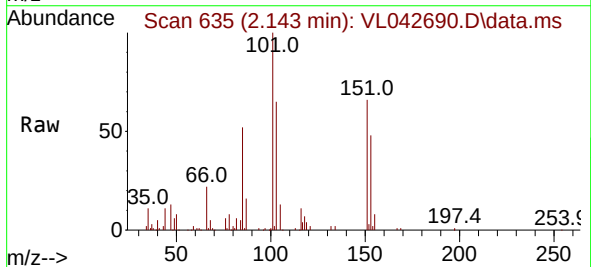
Manual Integrations  
 APPROVED

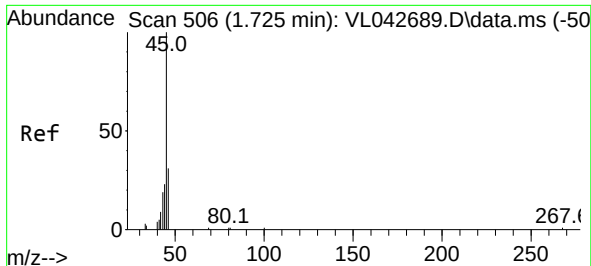
Reviewed By :Semsettin Yesilyurt 07/03/2025  
 Supervised By :Mahesh Dadoda 07/03/2025



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 2.046 ppbv  
 RT: 2.143 min Scan# 635  
 Delta R.T. -0.003 min  
 Lab File: VL042690.D  
 Acq: 02 Jul 2025 08:56

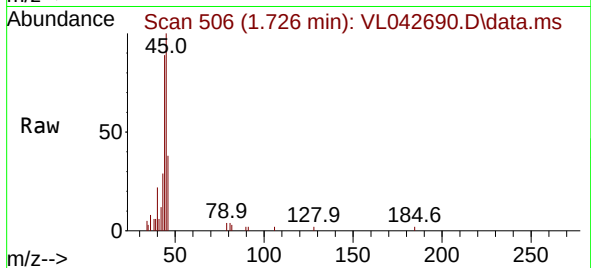
Tgt Ion:101 Resp: 21456  
 Ion Ratio Lower Upper  
 101 100  
 151 75.1 56.6 84.8





#13  
Ethanol  
Concen: 2.630 ppbv  
RT: 1.726 min Scan# 506  
Delta R.T. 0.000 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

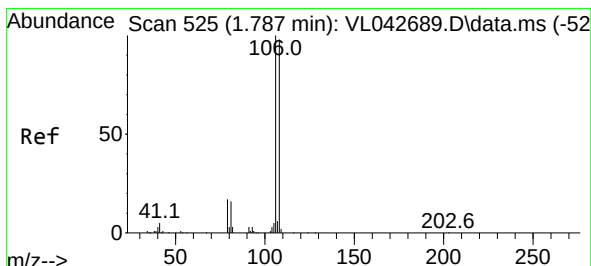
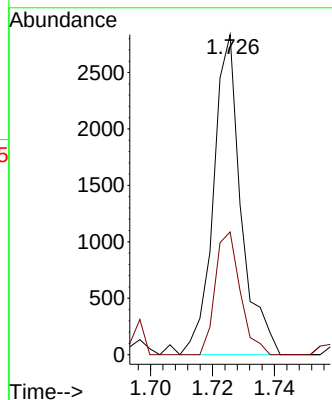
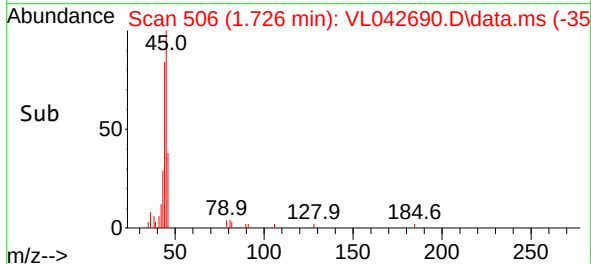
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



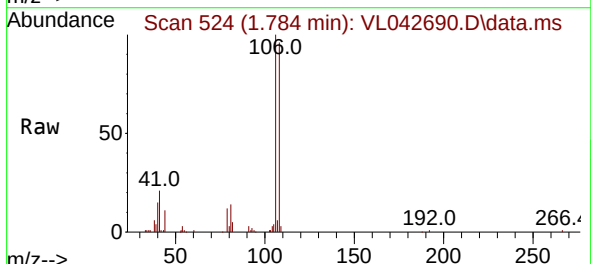
Tgt Ion: 45 Resp: 175  
Ion Ratio Lower Upper  
45 100  
46 34.7 15.2 60.8

Manual Integrations  
APPROVED

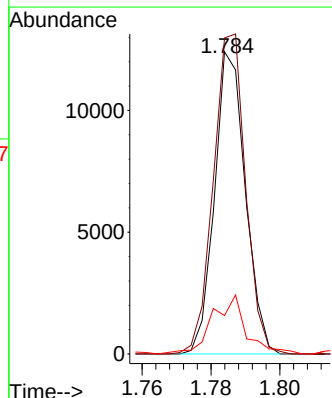
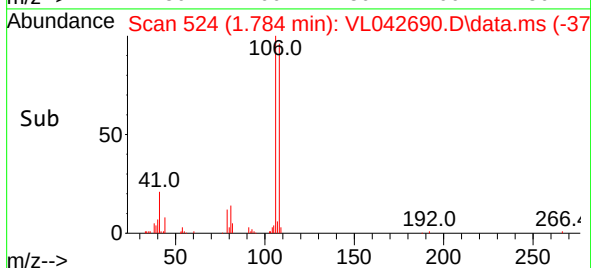
Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025

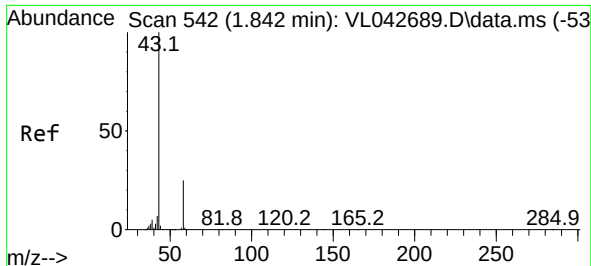


#14  
Bromoethene  
Concen: 2.119 ppbv  
RT: 1.784 min Scan# 524  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56



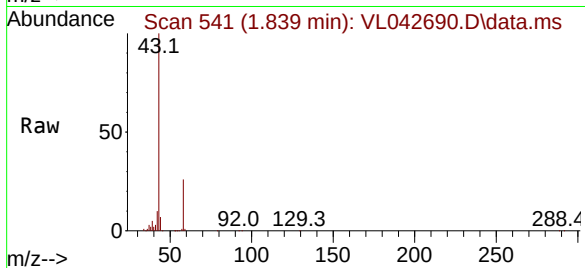
Tgt Ion:108 Resp: 7746  
Ion Ratio Lower Upper  
108 100  
106 110.4 85.9 128.9  
79 22.1 14.5 21.7#





#15  
Acetone  
Concen: 2.120 ppbv  
RT: 1.839 min Scan# 541  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

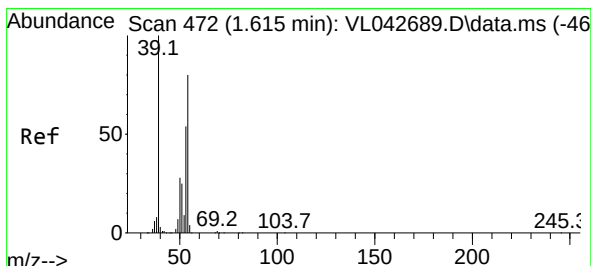
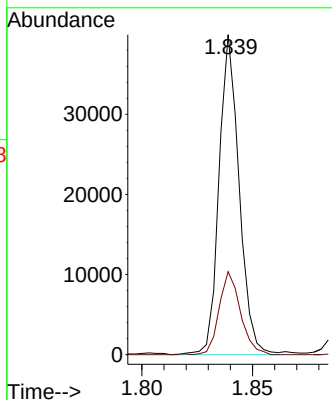
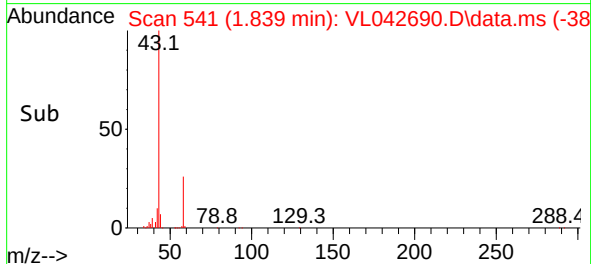
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



Tgt Ion: 43 Resp: 25238  
Ion Ratio Lower Upper  
43 100  
58 27.5 20.6 31.0

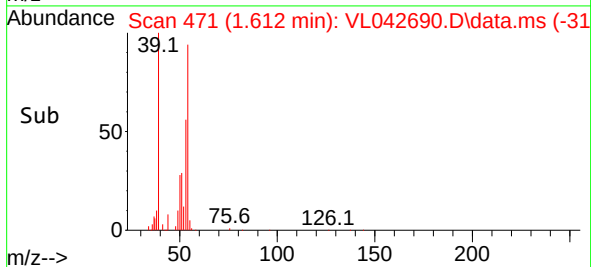
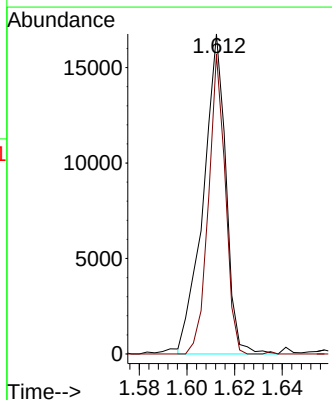
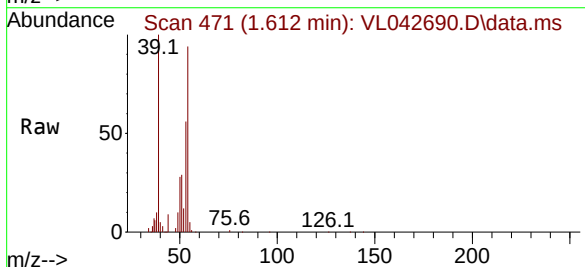
Manual Integrations  
APPROVED

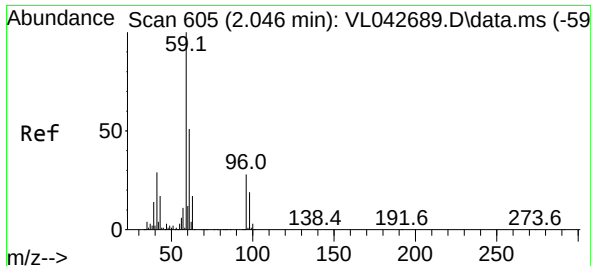
Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025



#16  
1,3-Butadiene  
Concen: 2.026 ppbv  
RT: 1.612 min Scan# 471  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Tgt Ion: 39 Resp: 11117  
Ion Ratio Lower Upper  
39 100  
54 69.4 54.9 82.3





#17

tert-Butyl alcohol

Concen: 2.066 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.000 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC002

Tgt Ion: 59 Resp: 2399

Ion Ratio Lower Upper

59 100

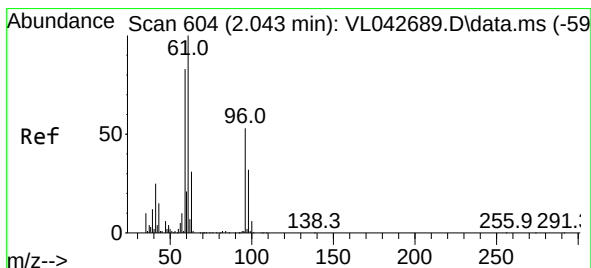
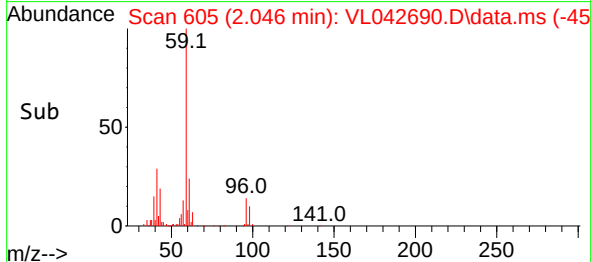
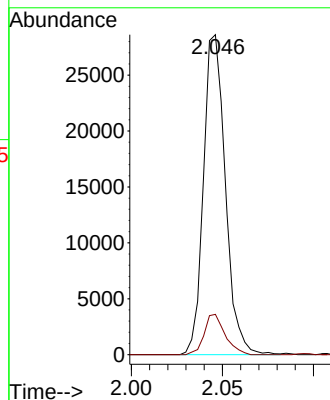
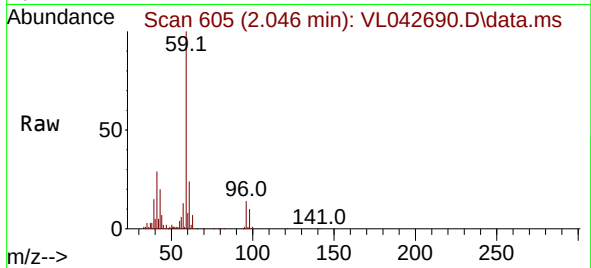
57 12.0 8.8 13.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/03/2025

Supervised By :Mahesh Dadoda 07/03/2025



#18

1,1-Dichloroethene

Concen: 2.153 ppbv

RT: 2.040 min Scan# 603

Delta R.T. -0.003 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

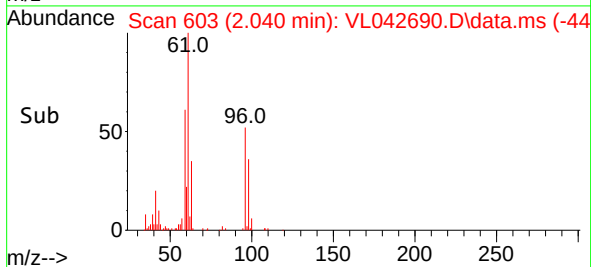
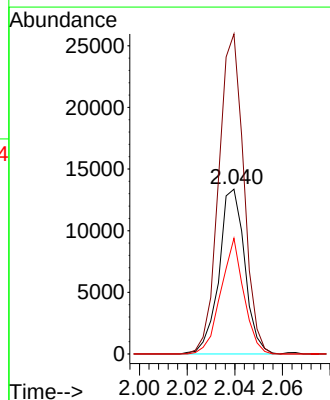
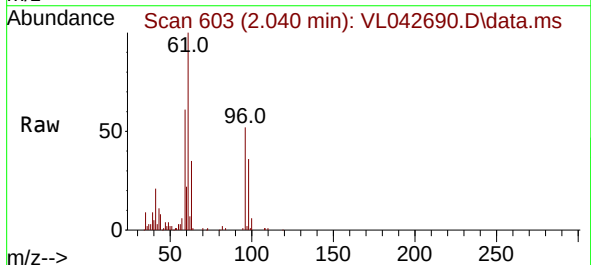
Tgt Ion: 96 Resp: 10032

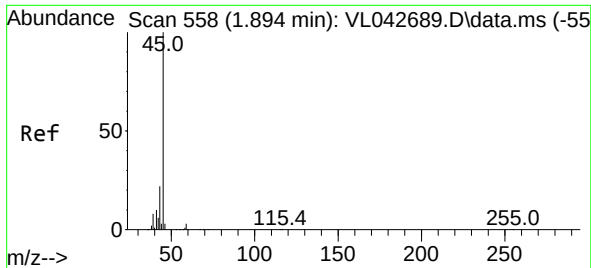
Ion Ratio Lower Upper

96 100

61 194.1 151.0 226.6

98 70.2 49.0 73.4





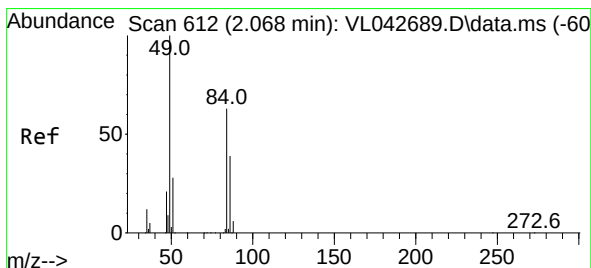
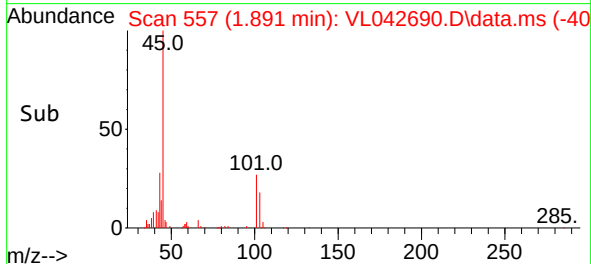
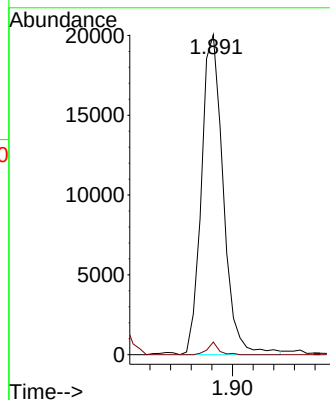
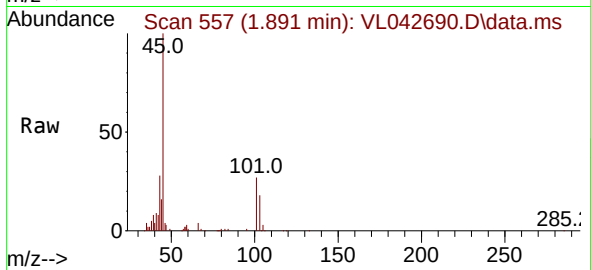
#19  
Isopropyl Alcohol  
Concen: 2.149 ppbv  
RT: 1.891 min Scan# 511  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

Tgt Ion: 45 Resp: 1470  
Ion Ratio Lower Upper  
45 100  
58 47.2 1.4 2.2

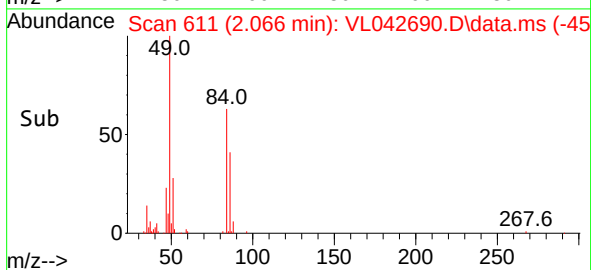
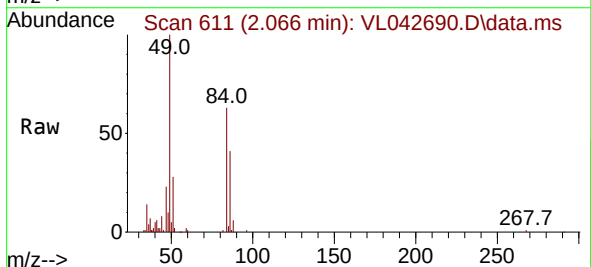
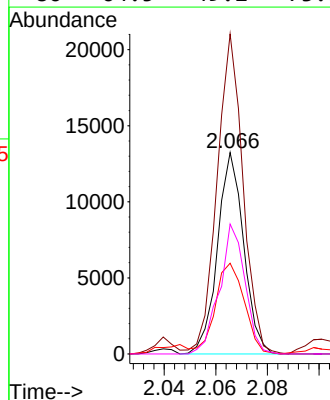
Manual Integrations  
APPROVED

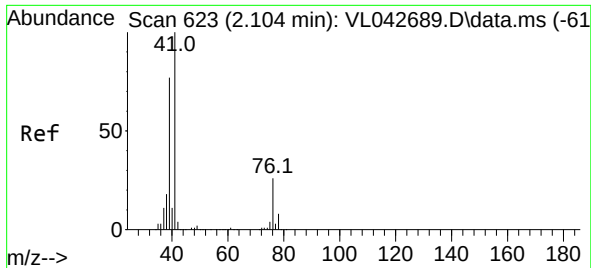
Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025



#20  
Methylene Chloride  
Concen: 2.051 ppbv  
RT: 2.066 min Scan# 611  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

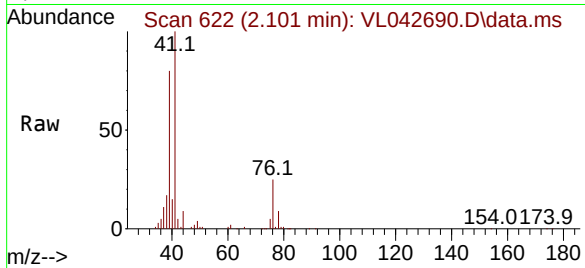
Tgt Ion: 84 Resp: 9338  
Ion Ratio Lower Upper  
84 100  
49 158.2 128.6 193.0  
51 45.0 37.4 56.2  
86 64.5 49.2 73.8





#21  
 Allyl Chloride  
 Concen: 2.081 ppbv  
 RT: 2.101 min Scan# 61  
 Delta R.T. -0.003 min  
 Lab File: VL042690.D  
 Acq: 02 Jul 2025 08:56

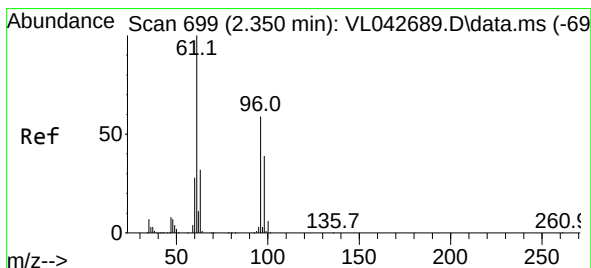
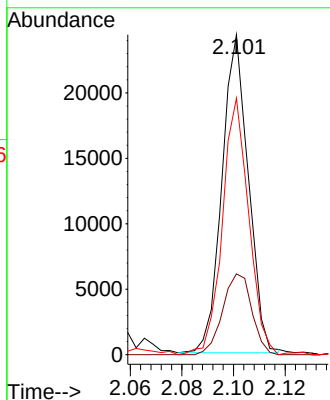
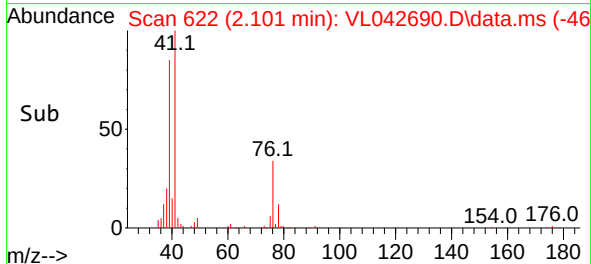
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC002



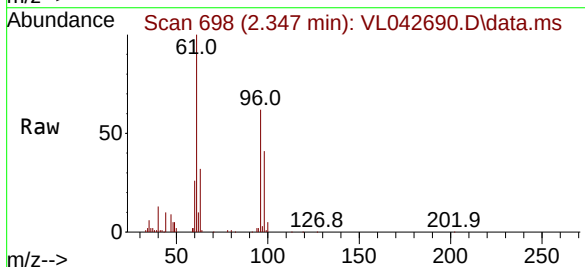
Tgt Ion: 41 Resp: 17280  
 Ion Ratio Lower Upper  
 41 100  
 76 28.0 21.7 32.5  
 39 81.0 63.4 95.2

Manual Integrations  
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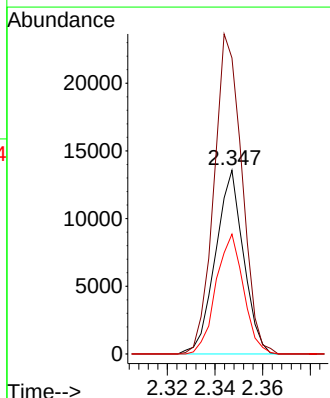
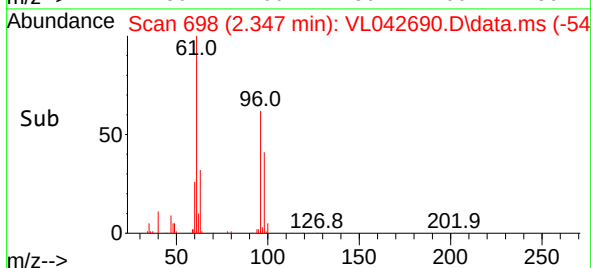
Reviewed By :Semsettin Yesilyurt 07/03/2025  
 Supervised By :Mahesh Dadoda 07/03/2025

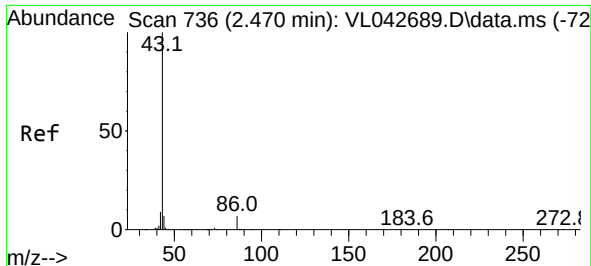


#22  
 trans-1,2-Dichloroethene  
 Concen: 2.186 ppbv  
 RT: 2.347 min Scan# 698  
 Delta R.T. -0.003 min  
 Lab File: VL042690.D  
 Acq: 02 Jul 2025 08:56



Tgt Ion: 96 Resp: 11093  
 Ion Ratio Lower Upper  
 96 100  
 61 161.1 136.5 204.7  
 98 65.3 53.5 80.3





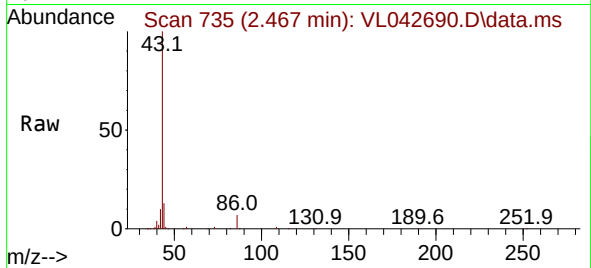
#23  
 Vinyl Acetate  
 Concen: 2.044 ppbv  
 RT: 2.467 min Scan# 719  
 Delta R.T. -0.003 min  
 Lab File: VL042690.D  
 Acq: 02 Jul 2025 08:56

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC002

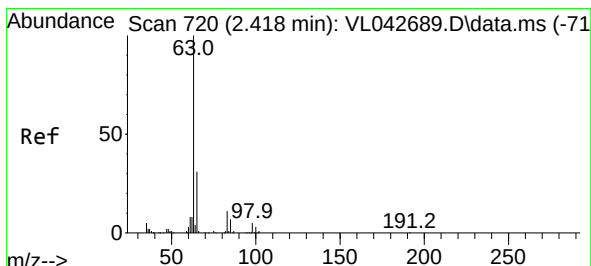
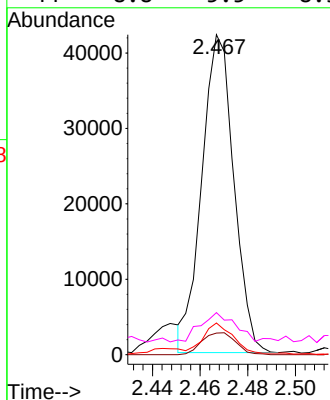
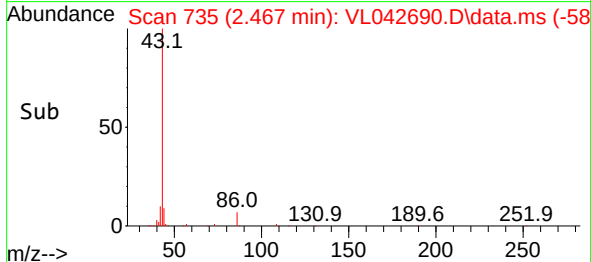


Tgt Ion: 43 Resp: 39372  
 Ion Ratio Lower Upper  
 43 100  
 86 6.8 5.8 8.6  
 42 9.4 7.2 10.8  
 44 8.8 5.5 8.3#

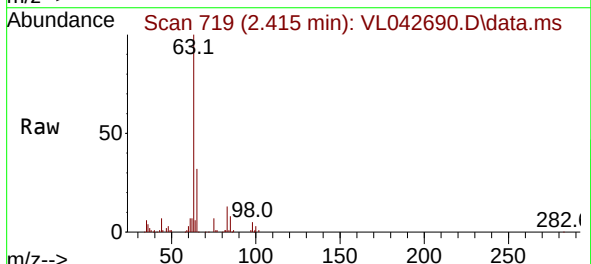
Manual Integrations

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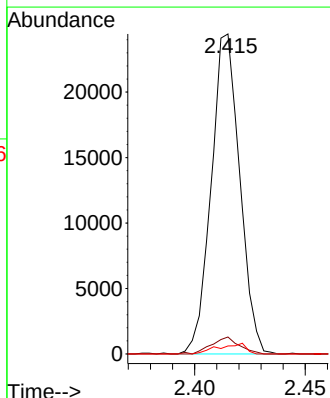
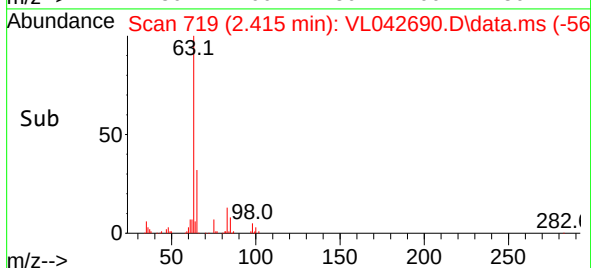
Reviewed By :Semsettin Yesilyurt 07/03/2025  
 Supervised By :Mahesh Dadoda 07/03/2025

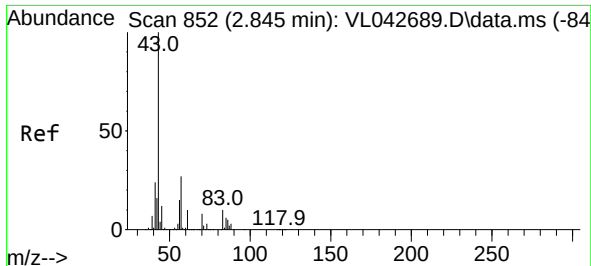


#24  
 1,1-Dichloroethane  
 Concen: 2.089 ppbv  
 RT: 2.415 min Scan# 719  
 Delta R.T. -0.003 min  
 Lab File: VL042690.D  
 Acq: 02 Jul 2025 08:56



Tgt Ion: 63 Resp: 21916  
 Ion Ratio Lower Upper  
 63 100  
 98 5.3 2.5 7.6  
 100 2.5 1.7 5.0





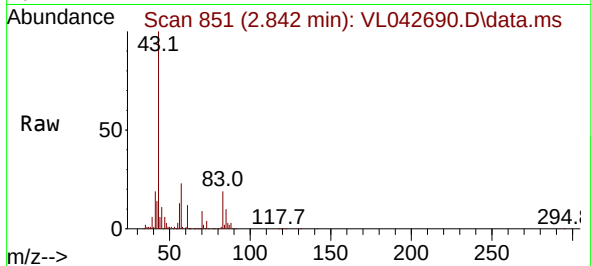
#25  
Ethyl Acetate  
Concen: 2.159 ppbv  
RT: 2.842 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC002

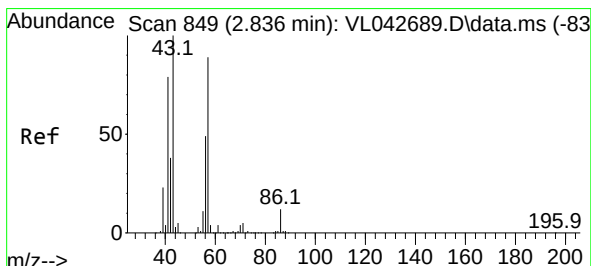
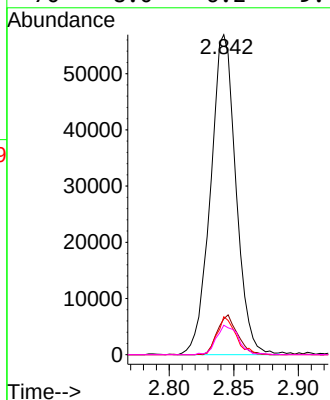
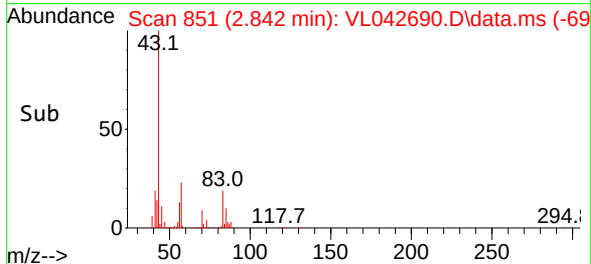


Tgt Ion: 43 Resp: 7776  
Ion Ratio Lower Upper  
43 100  
45 9.9 8.1 12.1  
61 8.8 7.0 10.6  
70 8.0 6.2 9.4

Manual Integrations

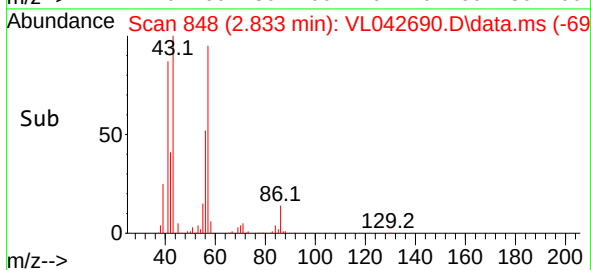
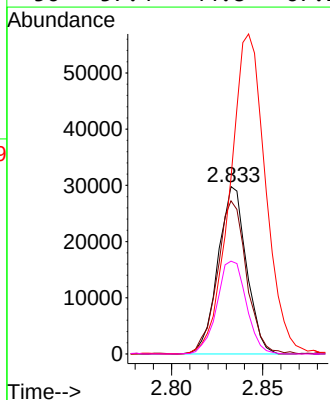
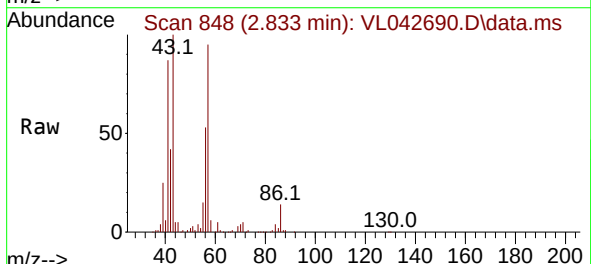
APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025

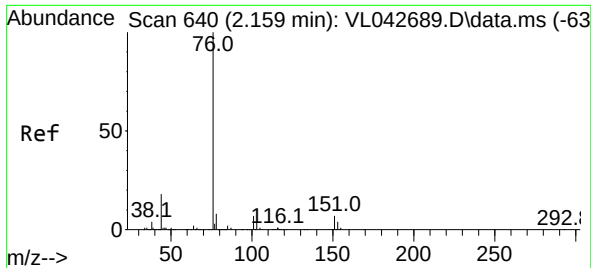


#26  
Hexane  
Concen: 2.148 ppbv  
RT: 2.833 min Scan# 848  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Tgt Ion: 57 Resp: 32281  
Ion Ratio Lower Upper  
57 100  
41 92.8 73.7 110.5  
43 241.9 190.6 285.8  
56 57.4 44.8 67.2

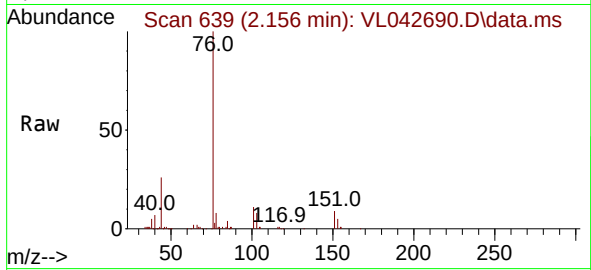






#27  
Carbon Disulfide  
Concen: 2.085 ppbv  
RT: 2.156 min Scan# 611  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

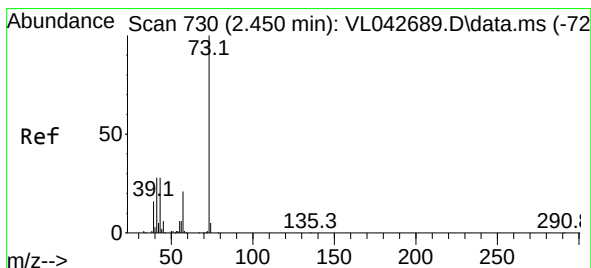
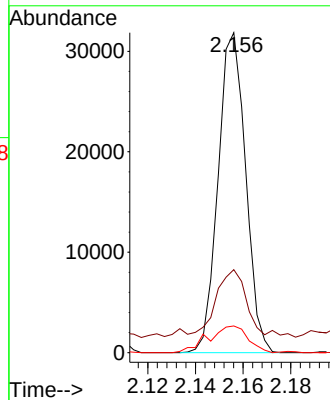
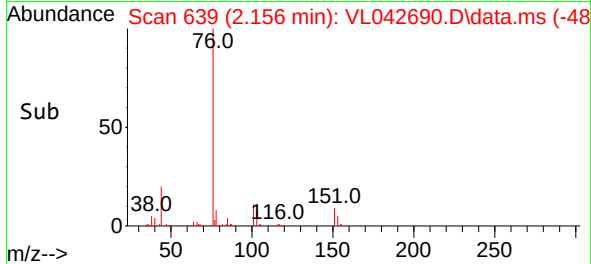
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



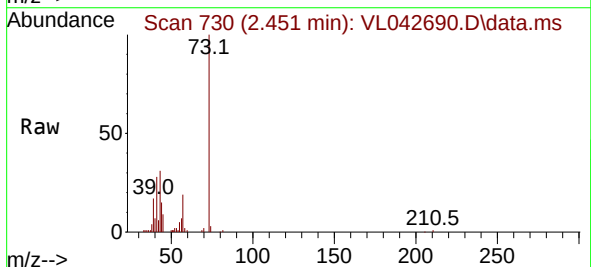
Tgt Ion: 76 Resp: 2554  
Ion Ratio Lower Upper  
76 100  
44 29.6 15.6 23.4  
78 12.2 9.2 13.8

Manual Integrations  
APPROVED

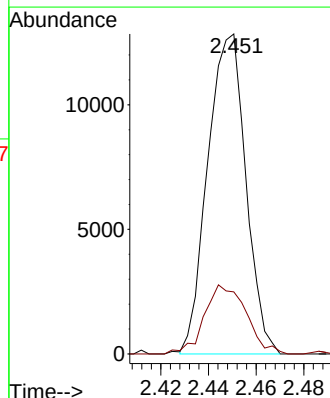
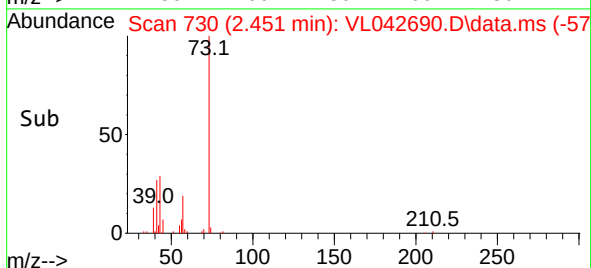
Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025

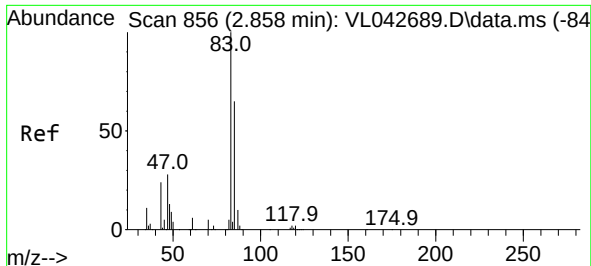


#28  
Methyl tert-Butyl Ether  
Concen: 2.326 ppbv  
RT: 2.451 min Scan# 730  
Delta R.T. 0.000 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56



Tgt Ion: 73 Resp: 14297  
Ion Ratio Lower Upper  
73 100  
57 23.9 19.3 28.9





#29

Chloroform

Concen: 2.148 ppbv

RT: 2.855 min Scan# 855

Delta R.T. -0.003 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC002

Tgt Ion: 83 Resp: 48759

Ion Ratio Lower Upper

83 100

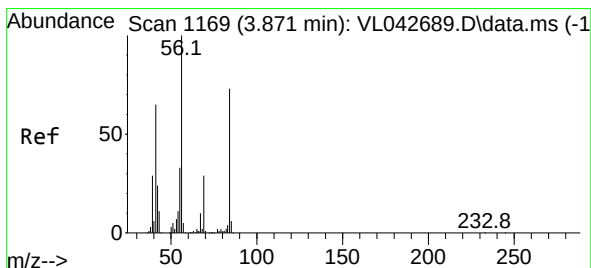
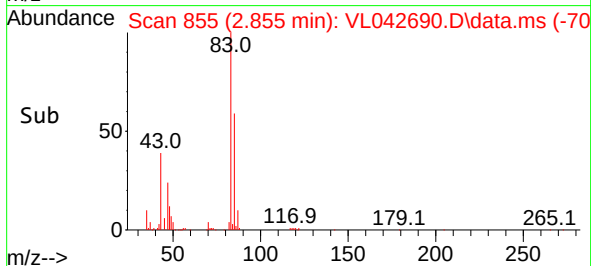
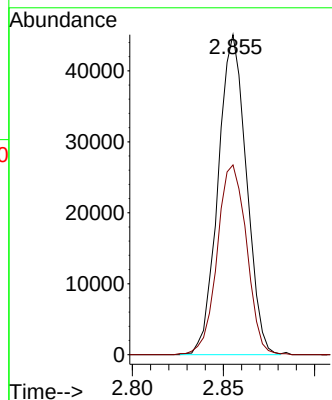
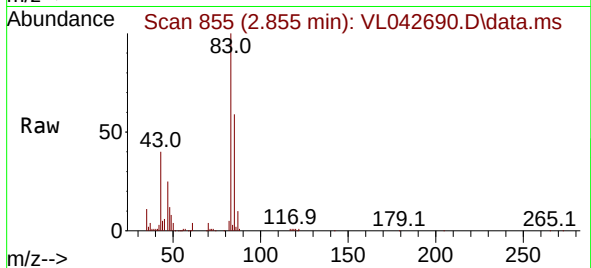
85 59.0 52.4 78.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025

Supervised By :Mahesh Dadoda 07/03/2025



#30

Cyclohexane

Concen: 2.148 ppbv

RT: 3.872 min Scan# 1169

Delta R.T. 0.000 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

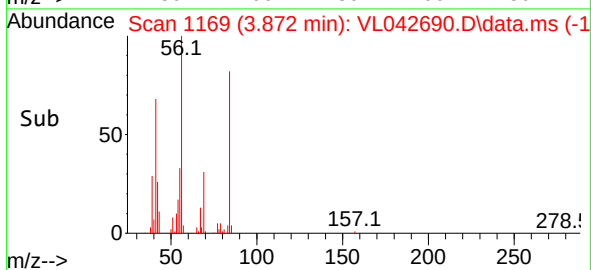
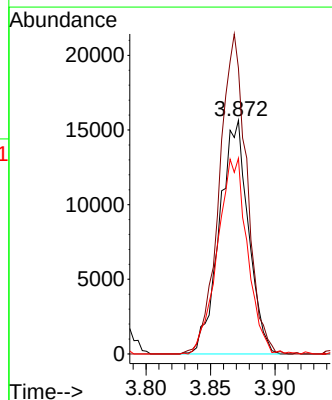
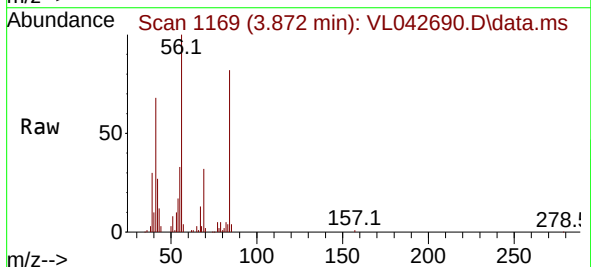
Tgt Ion: 84 Resp: 24389

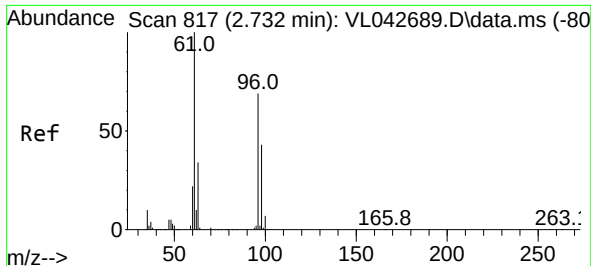
Ion Ratio Lower Upper

84 100

56 130.4 110.4 165.6

41 86.9 71.4 107.0





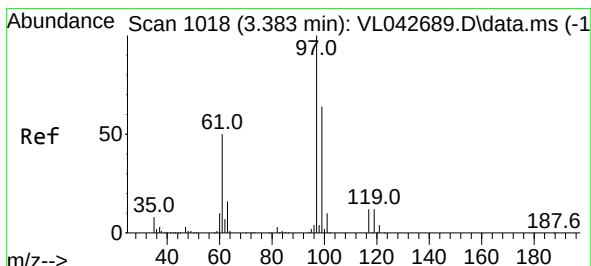
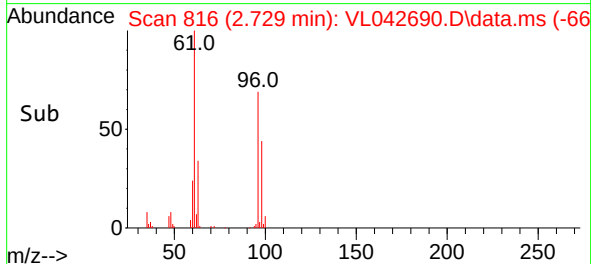
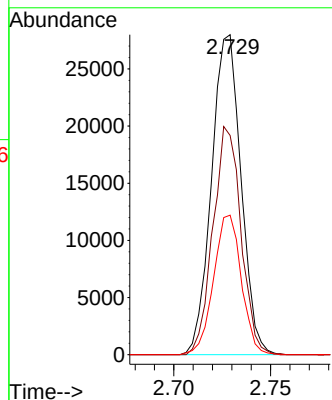
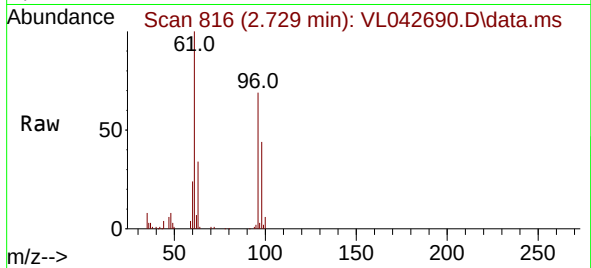
#31  
 cis-1,2-Dichloroethene  
 Concen: 2.072 ppbv  
 RT: 2.729 min Scan# 816  
 Delta R.T. -0.003 min  
 Lab File: VL042690.D  
 Acq: 02 Jul 2025 08:56

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC002

Tgt Ion: 61 Resp: 29632  
 Ion Ratio Lower Upper  
 61 100  
 96 68.5 54.8 82.2  
 98 43.6 34.7 52.1

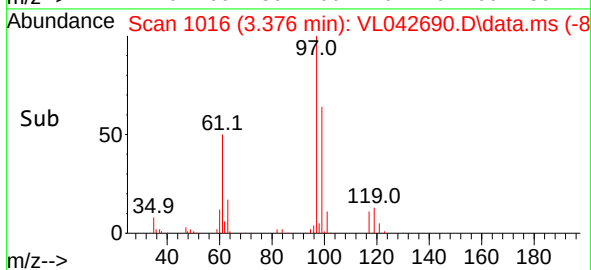
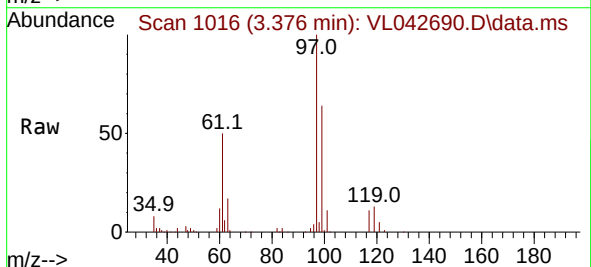
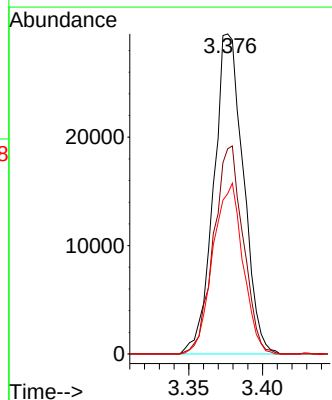
Manual Integrations  
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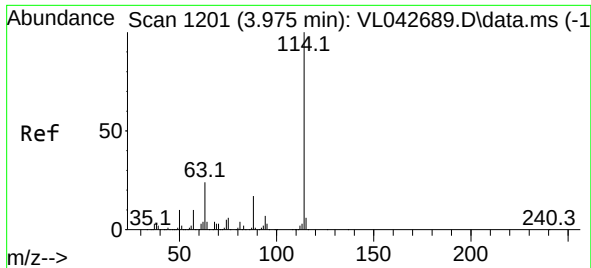
Reviewed By :Semsettin Yesilyurt 07/03/2025  
 Supervised By :Mahesh Dadoda 07/03/2025



#32  
 1,1,1-Trichloroethane  
 Concen: 1.903 ppbv  
 RT: 3.376 min Scan# 1016  
 Delta R.T. -0.006 min  
 Lab File: VL042690.D  
 Acq: 02 Jul 2025 08:56

Tgt Ion: 97 Resp: 41283  
 Ion Ratio Lower Upper  
 97 100  
 99 64.6 51.4 77.0  
 61 54.1 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.969 min Scan# 1199

Delta R.T. -0.006 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC002

Tgt Ion:114 Resp: 312860

Ion Ratio Lower Upper

114 100

63 25.3 20.4 30.6

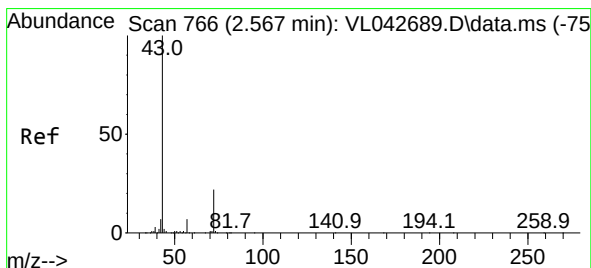
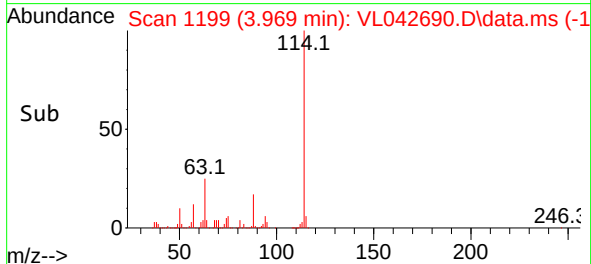
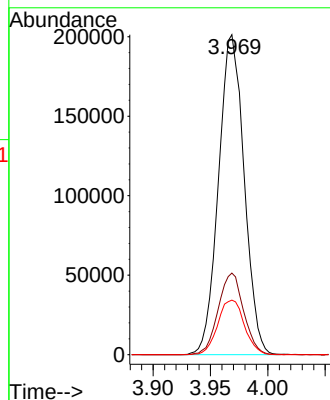
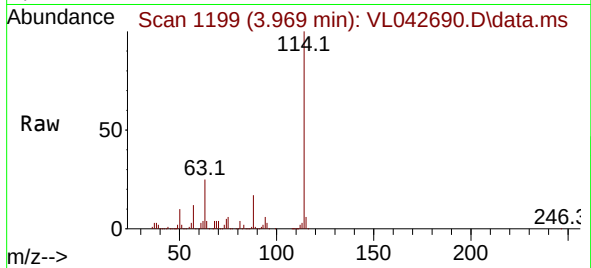
88 17.7 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025

Supervised By :Mahesh Dadoda 07/03/2025



#34

2-Butanone

Concen: 2.094 ppbv

RT: 2.564 min Scan# 765

Delta R.T. -0.003 min

Lab File: VL042690.D

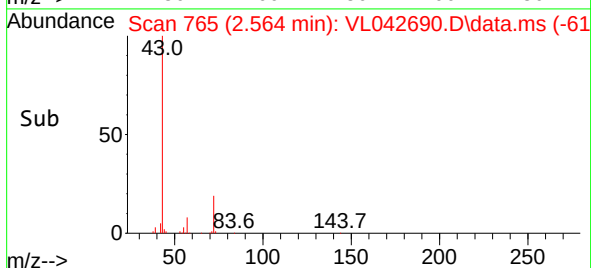
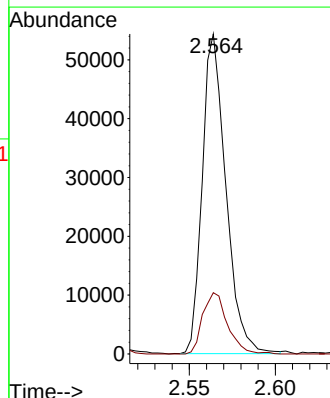
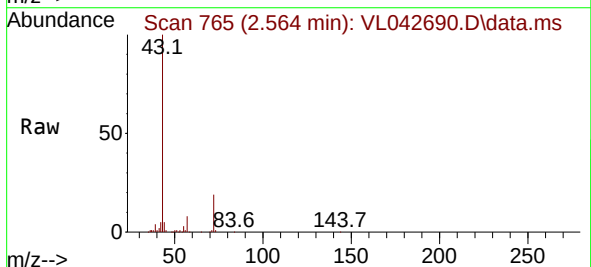
Acq: 02 Jul 2025 08:56

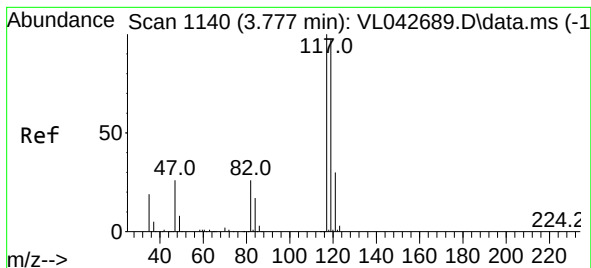
Tgt Ion: 43 Resp: 51845

Ion Ratio Lower Upper

43 100

72 20.1 17.1 25.7





#35

Carbon Tetrachloride

Concen: 1.924 ppbv

RT: 3.771 min Scan# 1140

Delta R.T. -0.006 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

Instrument :

MSVOA\_L

ClientSampleId :

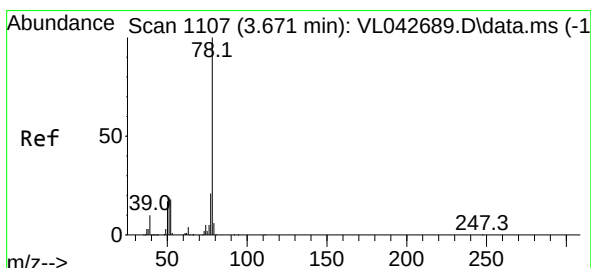
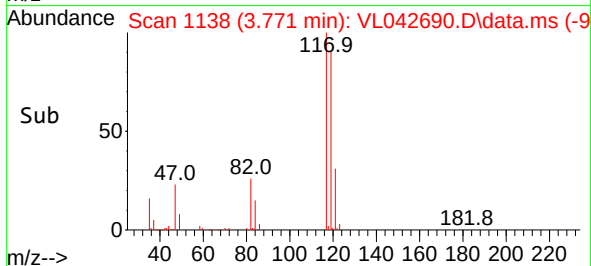
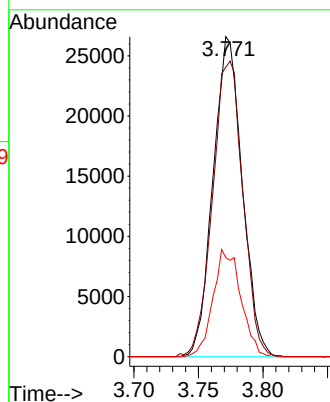
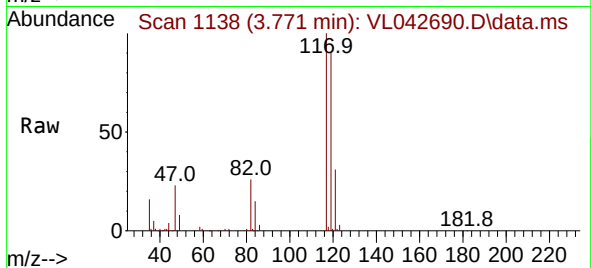
VSTDIC002

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 4174  |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 119       | 90.1  | 77.6  | 116.4 |
| 121       | 30.9  | 24.0  | 36.0  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025



#36

Benzene

Concen: 2.052 ppbv

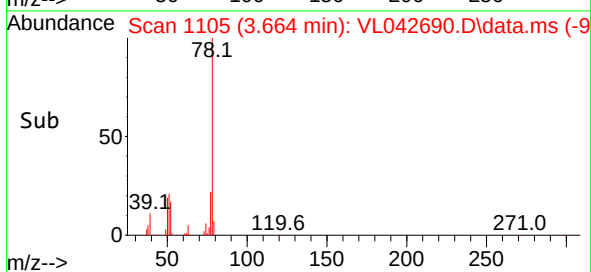
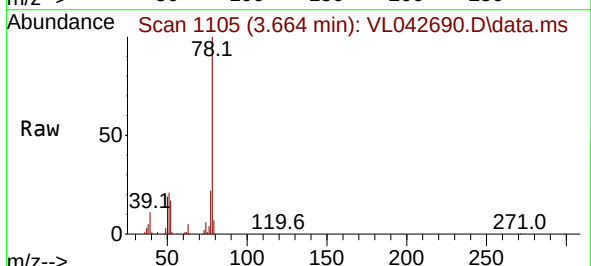
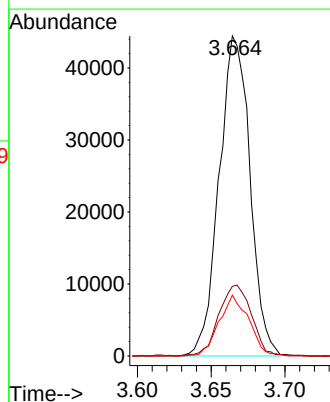
RT: 3.664 min Scan# 1105

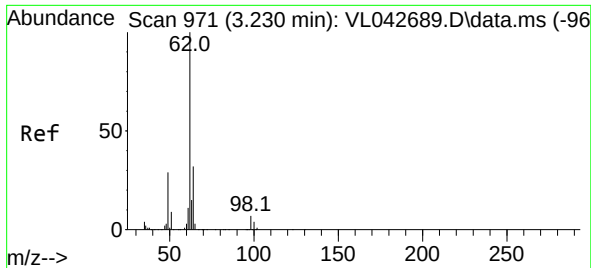
Delta R.T. -0.006 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 78    | Resp: | 64694 |
| Ion Ratio | Lower | Upper |       |
| 78        | 100   |       |       |
| 77        | 21.6  | 17.0  | 25.4  |
| 50        | 19.0  | 13.7  | 20.5  |





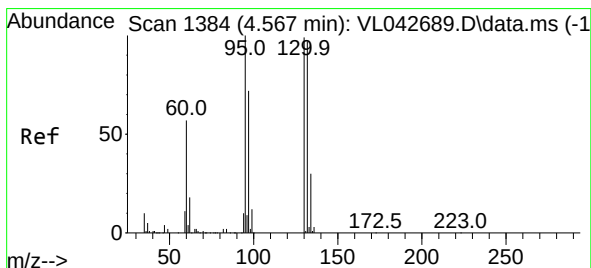
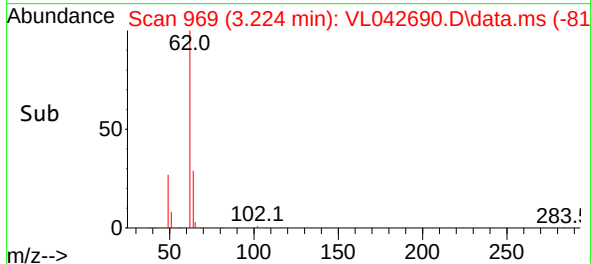
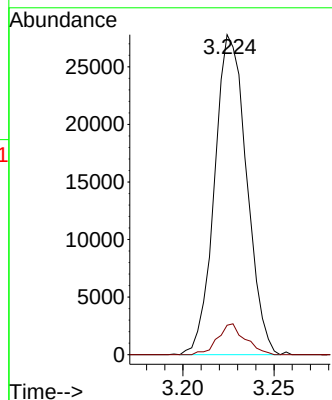
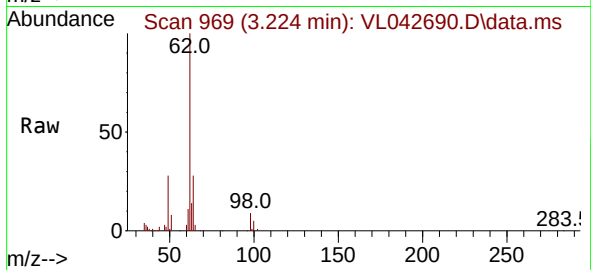
#37  
1,2-Dichloroethane  
Concen: 2.030 ppbv  
RT: 3.224 min Scan# 971  
Delta R.T. -0.006 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

Tgt Ion: 62 Resp: 33990  
Ion Ratio Lower Upper  
62 100  
98 8.2 5.8 8.8

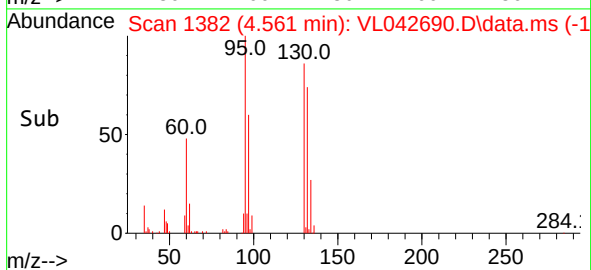
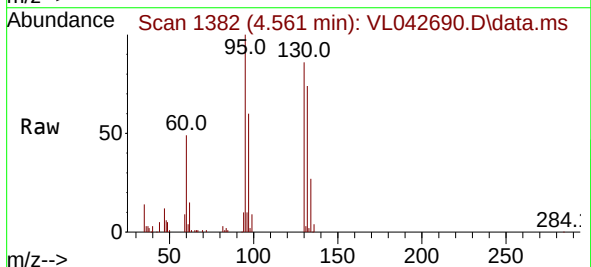
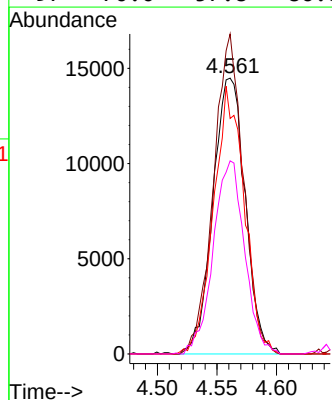
Manual Integrations  
APPROVED

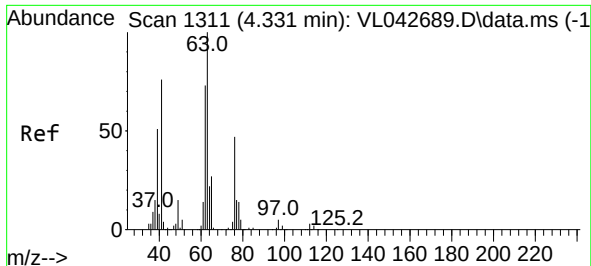
Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025



#38  
Trichloroethene  
Concen: 2.000 ppbv  
RT: 4.561 min Scan# 1382  
Delta R.T. -0.006 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Tgt Ion:130 Resp: 27249  
Ion Ratio Lower Upper  
130 100  
95 116.0 81.1 121.7  
132 85.4 77.9 116.9  
97 70.0 57.8 86.8





#39

1,2-Dichloropropane

Concen: 2.058 ppbv

RT: 4.321 min Scan# 1311

Delta R.T. -0.009 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC002

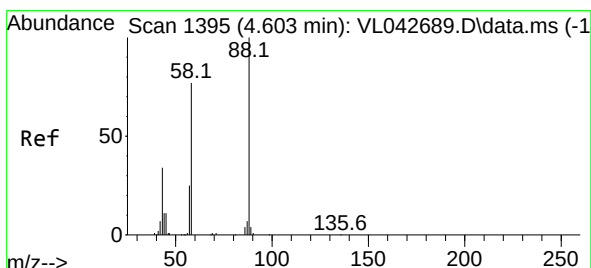
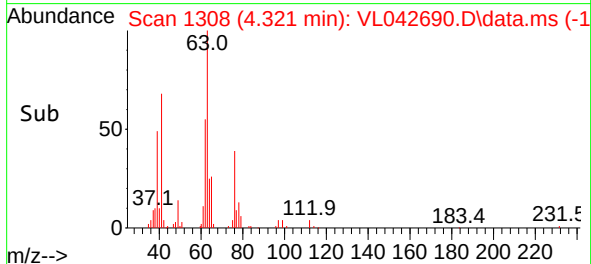
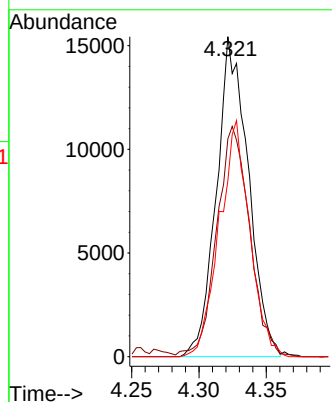
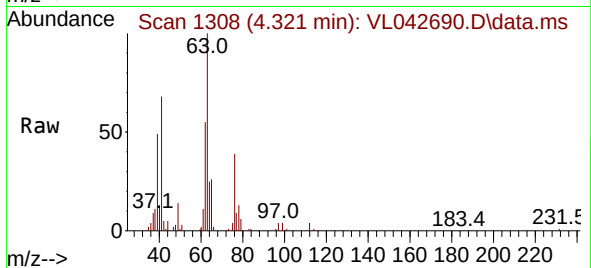
Tgt Ion: 63 Resp: 25320

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 41  | 67.3  | 60.8  | 91.2  |
| 62  | 55.0  | 58.6  | 87.8  |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025



#40

1,4-Dioxane

Concen: 1.972 ppbv m

RT: 4.600 min Scan# 1394

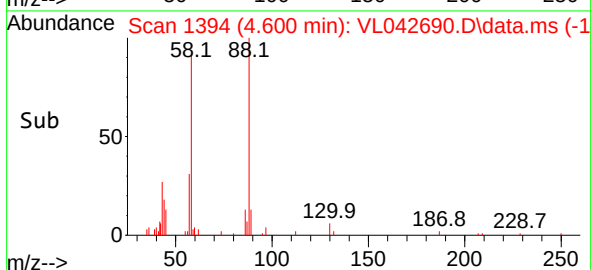
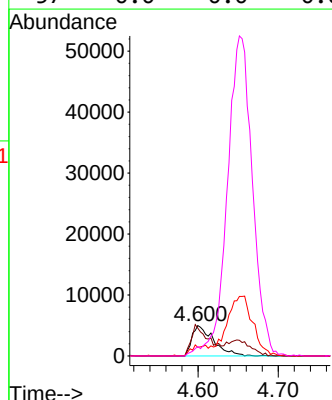
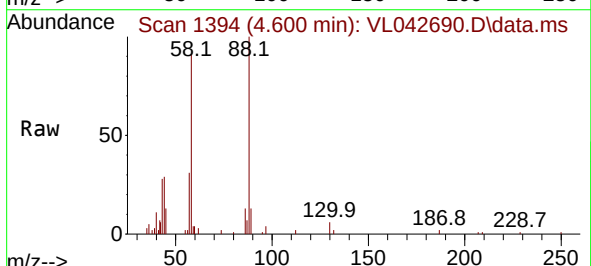
Delta R.T. -0.003 min

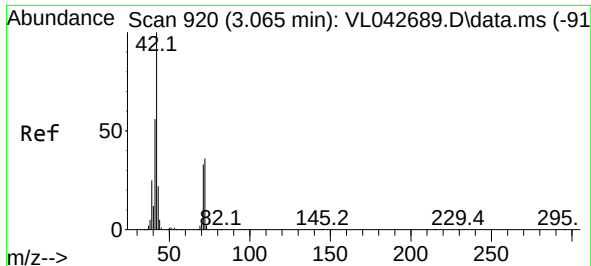
Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

Tgt Ion: 88 Resp: 9321

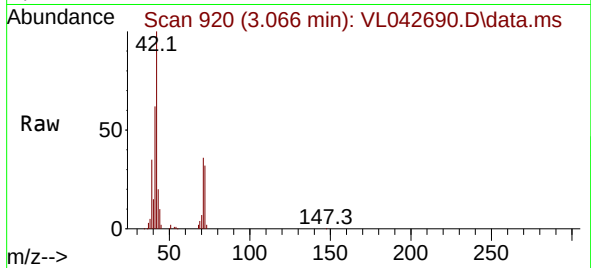
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 58  | 83.3  | 62.1  | 93.1  |
| 43  | 0.0   | 26.2  | 39.2  |
| 57  | 0.0   | 0.0   | 0.0   |





#41  
Tetrahydrofuran  
Concen: 2.035 ppbv  
RT: 3.066 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

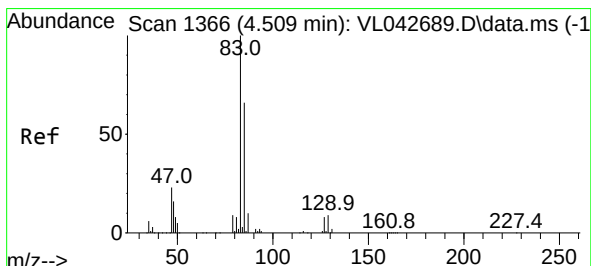
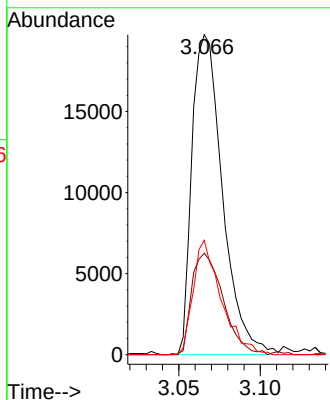
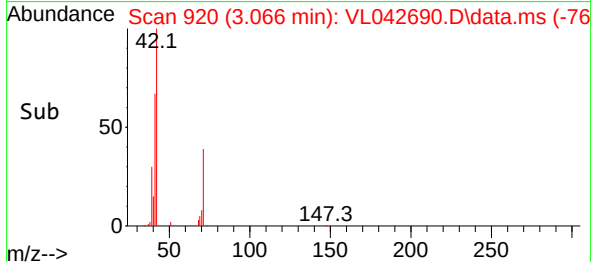
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



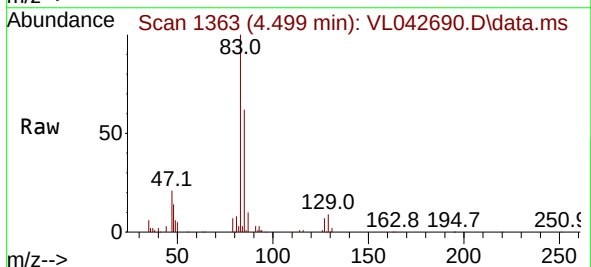
Tgt Ion: 42 Resp: 2567  
Ion Ratio Lower Upper  
42 100  
72 33.0 28.2 42.4  
71 32.8 25.4 38.0

Manual Integrations  
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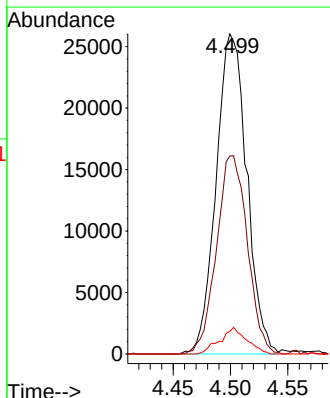
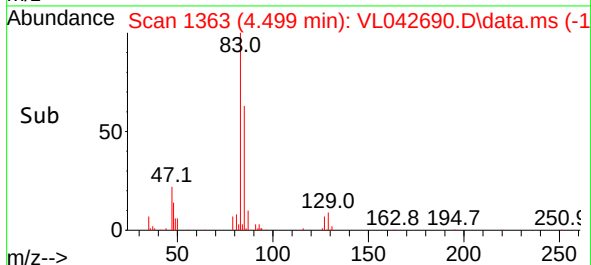
Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025



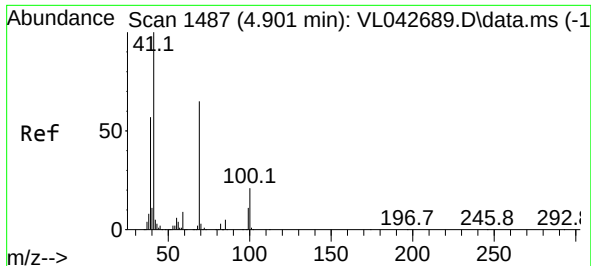
#42  
Bromodichloromethane  
Concen: 2.041 ppbv  
RT: 4.499 min Scan# 1363  
Delta R.T. -0.009 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56



Tgt Ion: 83 Resp: 48408  
Ion Ratio Lower Upper  
83 100  
85 61.8 52.5 78.7  
127 7.1 6.1 9.1

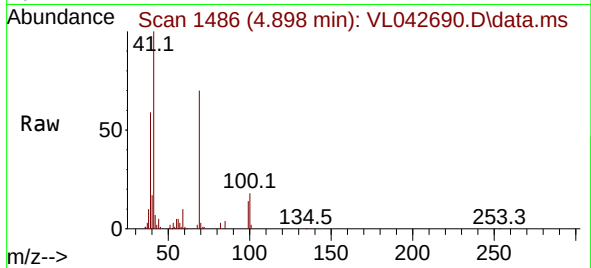






#43  
Methyl Methacrylate  
Concen: 2.010 ppbv  
RT: 4.898 min Scan# 1486  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

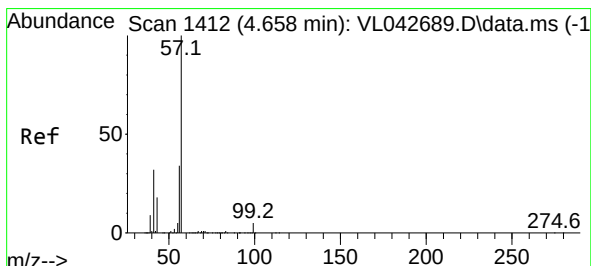
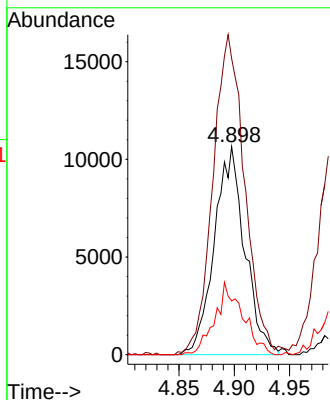
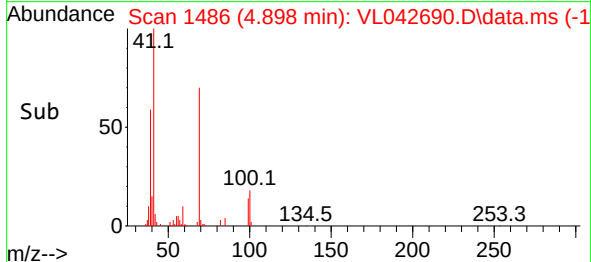
Instrument : MSVOA\_L  
ClientSampleId : VSTDIC002



Tgt Ion: 69 Resp: 2035  
Ion Ratio Lower Upper  
69 100  
41 161.0 125.4 188.2  
100 32.2 26.4 39.6

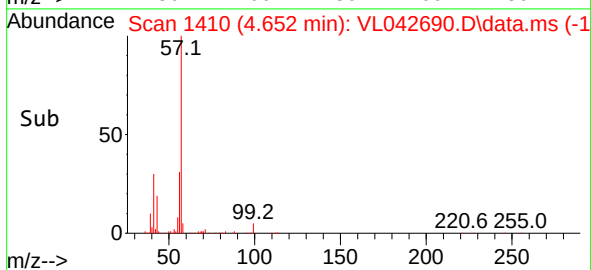
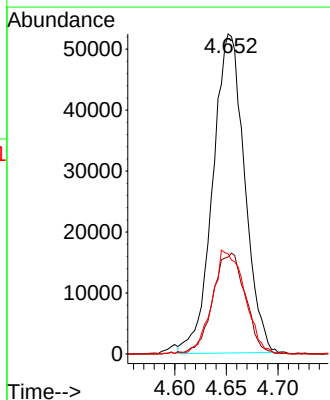
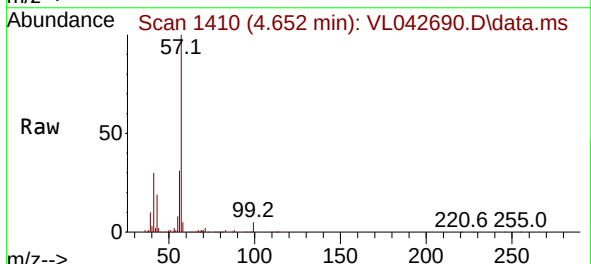
Manual Integrations  
APPROVED

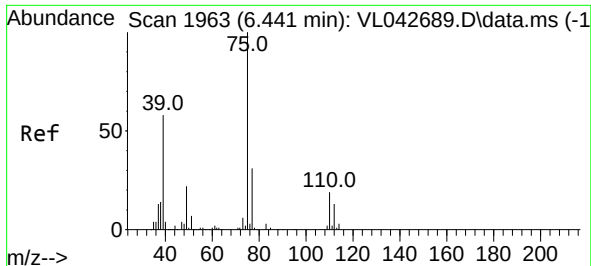
Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025



#44  
2,2,4-Trimethylpentane  
Concen: 2.129 ppbv  
RT: 4.652 min Scan# 1410  
Delta R.T. -0.006 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Tgt Ion: 57 Resp: 112040  
Ion Ratio Lower Upper  
57 100  
41 32.8 25.2 37.8  
56 33.4 26.3 39.5





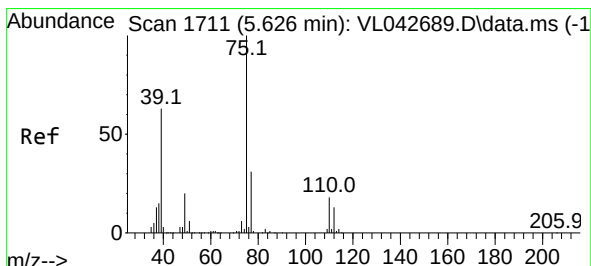
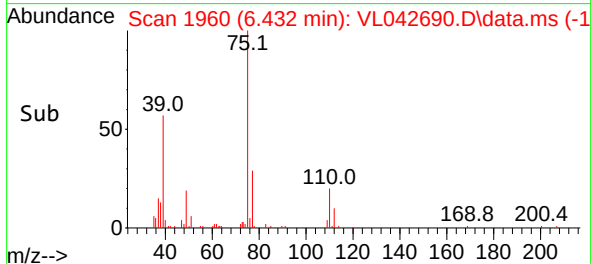
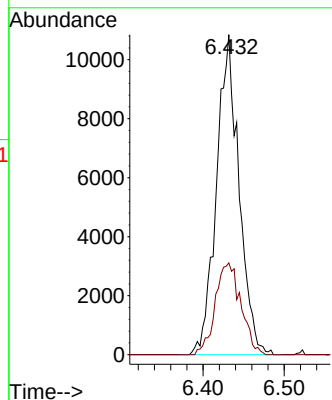
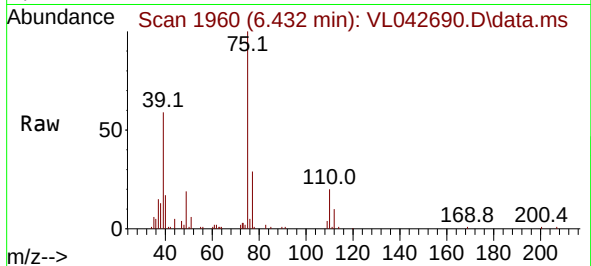
#45  
t-1,3-Dichloropropene  
Concen: 1.971 ppbv m  
RT: 6.432 min Scan# 1709  
Delta R.T. -0.009 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

Tgt Ion: 75 Resp: 20979  
Ion Ratio Lower Upper  
75 100  
77 28.7 25.0 37.4

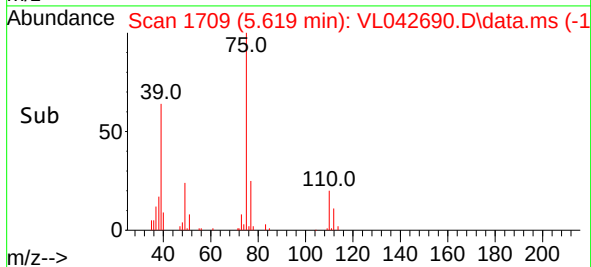
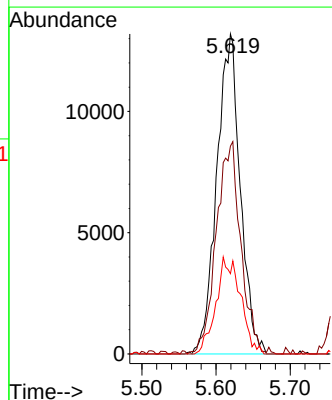
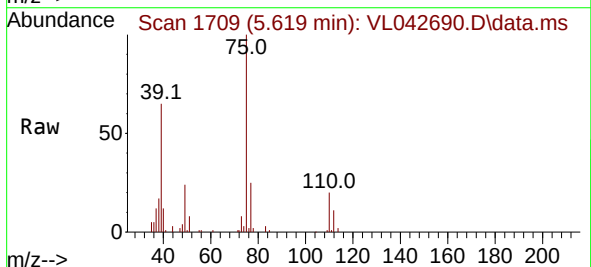
Manual Integrations  
APPROVED

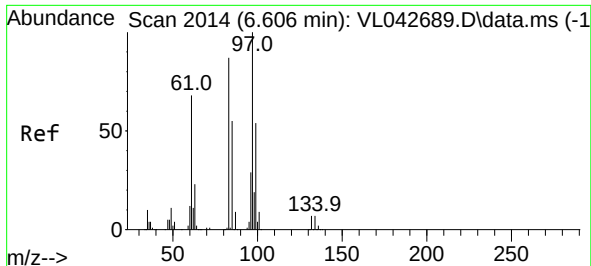
Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025



#46  
cis-1,3-Dichloropropene  
Concen: 1.979 ppbv m  
RT: 5.619 min Scan# 1709  
Delta R.T. -0.006 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

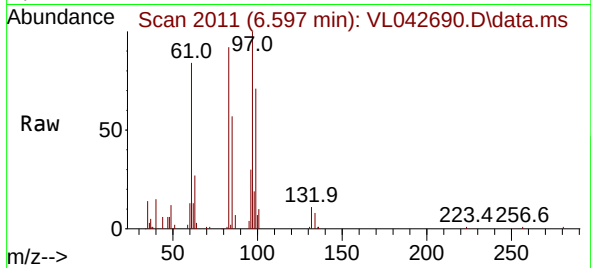
Tgt Ion: 75 Resp: 29059  
Ion Ratio Lower Upper  
75 100  
39 65.0 50.6 75.8  
77 25.1 24.8 37.2





#47  
1,1,2-Trichloroethane  
Concen: 2.054 ppbv m  
RT: 6.597 min Scan# 2011  
Delta R.T. -0.009 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

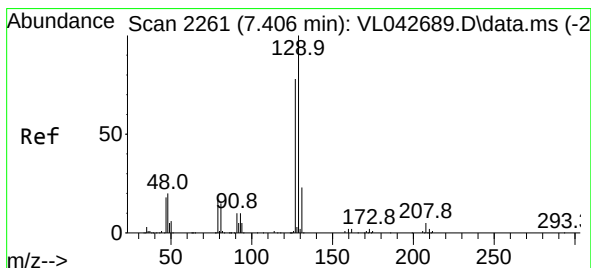
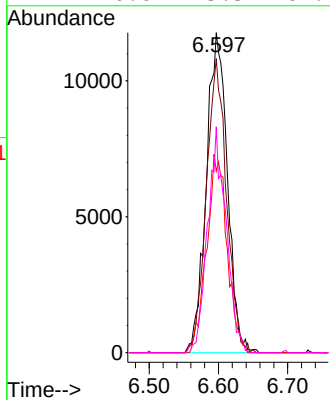
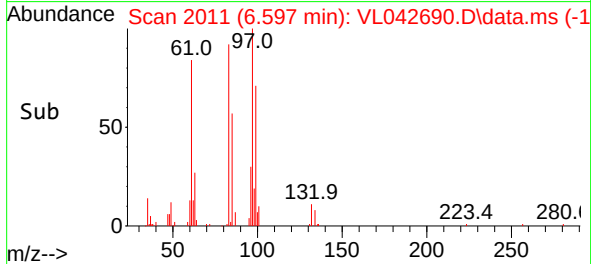
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



Tgt Ion: 97 Resp: 2487  
Ion Ratio Lower Upper  
97 100  
83 91.9 69.3 103.9  
85 56.8 43.7 65.5  
99 70.6 43.3 64.9#

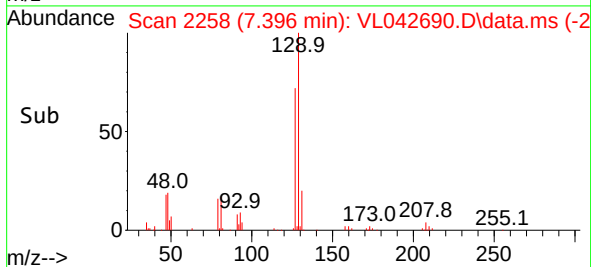
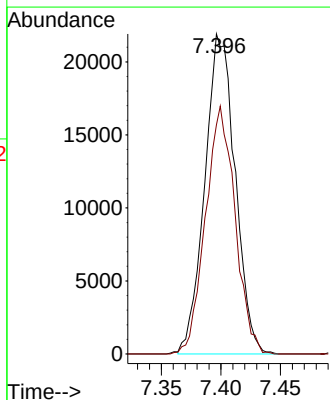
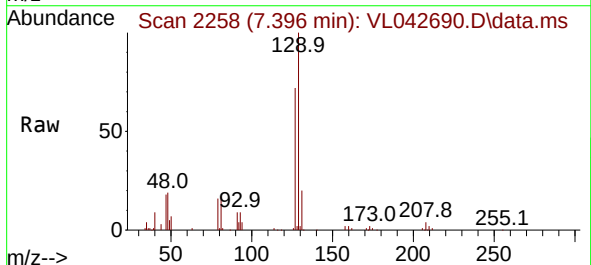
Manual Integrations  
APPROVED

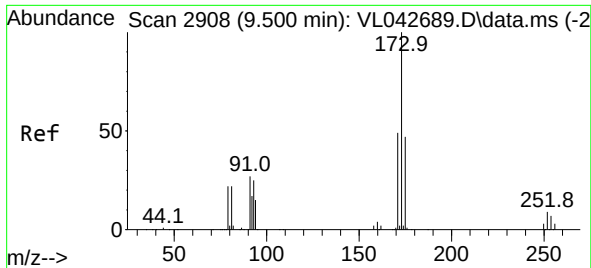
Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025



#48  
Dibromochloromethane  
Concen: 2.094 ppbv  
RT: 7.396 min Scan# 2258  
Delta R.T. -0.009 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Tgt Ion:129 Resp: 38842  
Ion Ratio Lower Upper  
129 100  
127 75.4 38.3 114.8





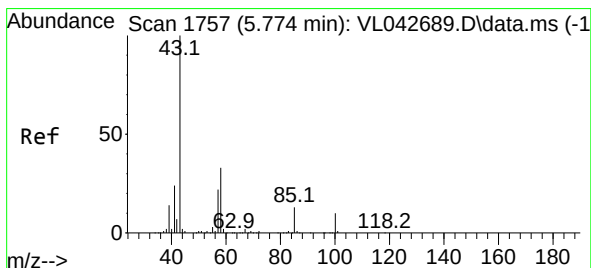
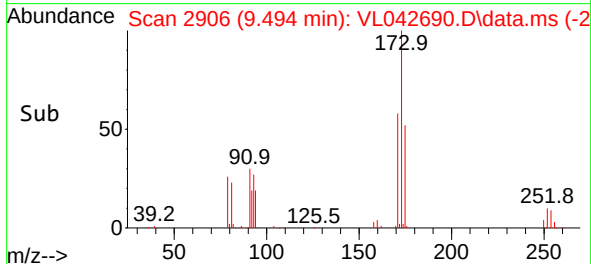
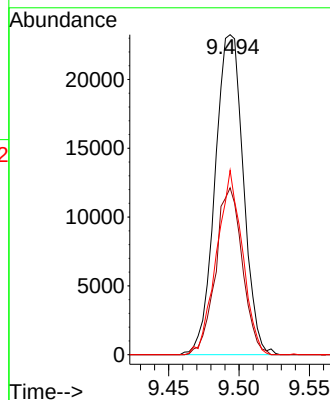
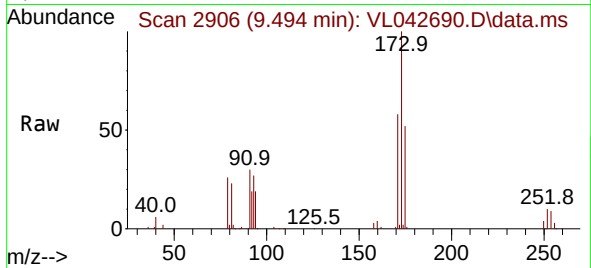
#49  
Bromoform  
Concen: 2.037 ppbv  
RT: 9.494 min Scan# 2906  
Delta R.T. -0.006 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

Tgt Ion:173 Resp: 32624  
Ion Ratio Lower Upper  
173 100  
175 49.2 38.6 57.8  
171 52.5 40.3 60.5

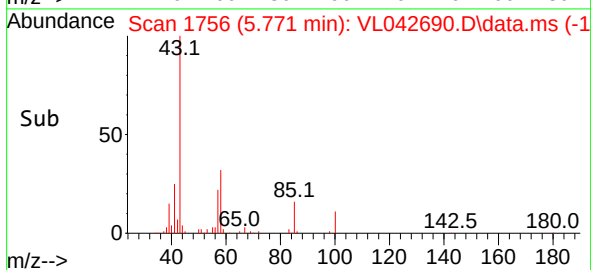
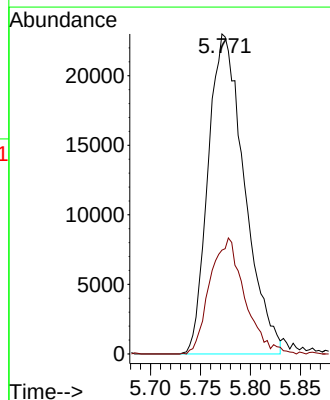
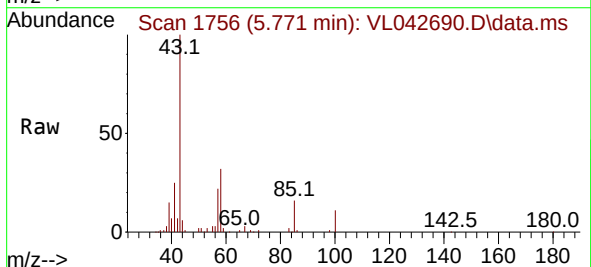
Manual Integrations  
APPROVED

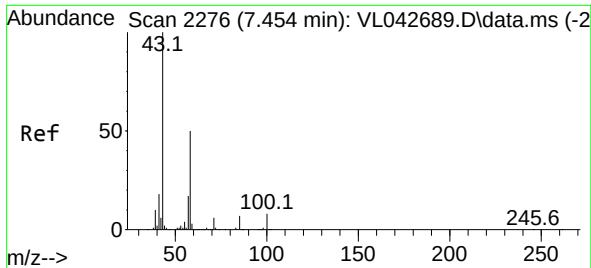
Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025



#50  
4-Methyl-2-Pentanone  
Concen: 2.008 ppbv  
RT: 5.771 min Scan# 1756  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

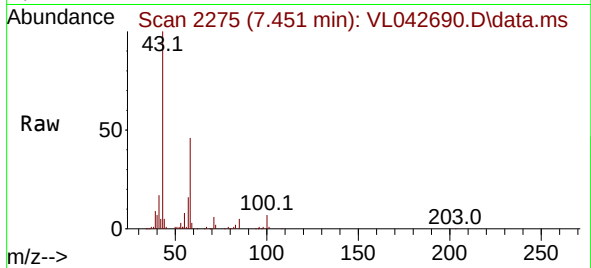
Tgt Ion: 43 Resp: 58107  
Ion Ratio Lower Upper  
43 100  
58 34.9 27.5 41.3





#51  
2-Hexanone  
Concen: 2.026 ppbv  
RT: 7.451 min Scan# 2118  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

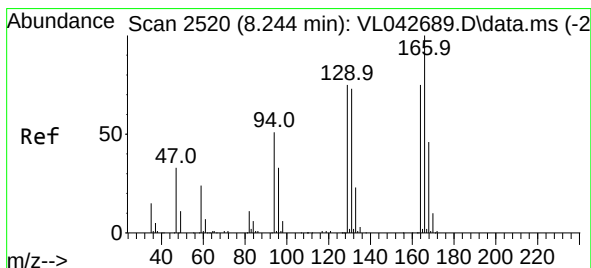
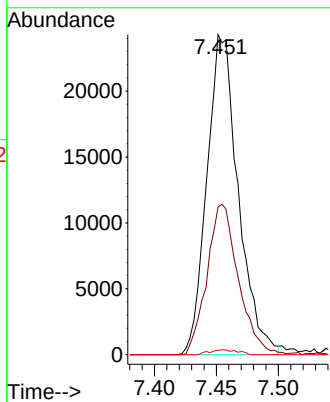
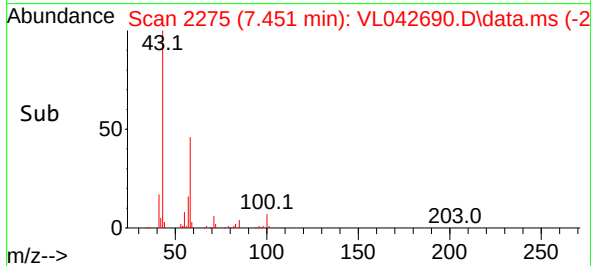
Instrument : MSVOA\_L  
ClientSampleId : VSTDIC002



Tgt Ion: 43 Resp: 42828  
Ion Ratio Lower Upper  
43 100  
58 47.5 38.6 57.8  
98 1.4 0.6 1.0

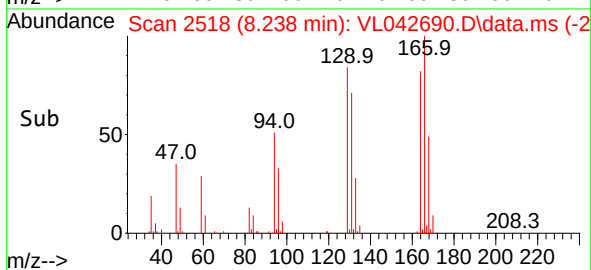
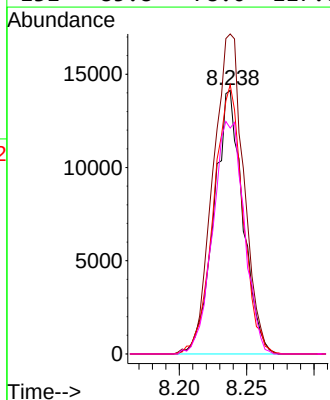
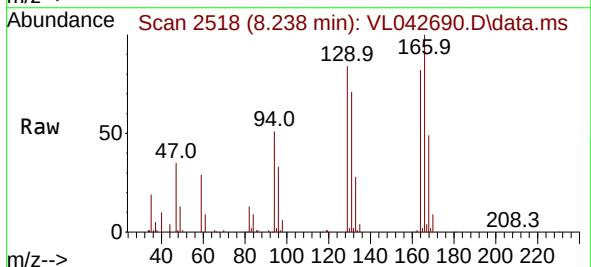
Manual Integrations  
APPROVED

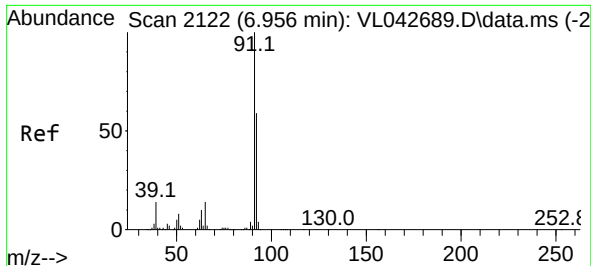
Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025



#52  
Tetrachloroethene  
Concen: 1.997 ppbv  
RT: 8.238 min Scan# 2518  
Delta R.T. -0.006 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

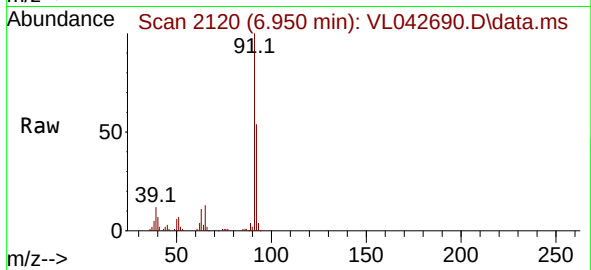
Tgt Ion:164 Resp: 21125  
Ion Ratio Lower Upper  
164 100  
166 121.4 106.6 160.0  
129 101.8 79.8 119.6  
131 85.8 78.0 117.0





#53  
Toluene  
Concen: 2.021 ppbv  
RT: 6.950 min Scan# 2122  
Delta R.T. -0.006 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

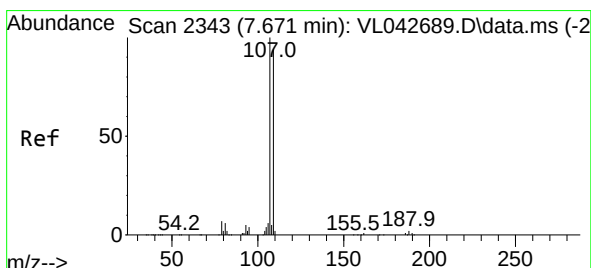
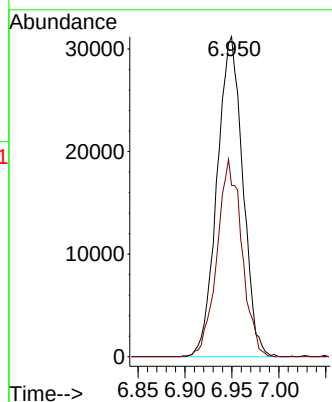
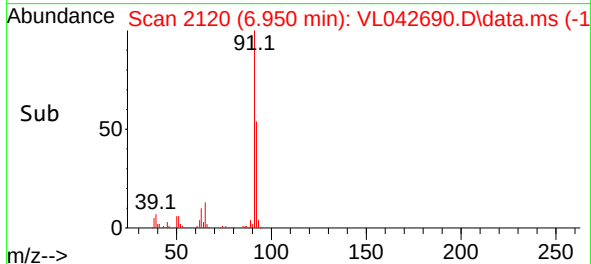
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



Tgt Ion: 91 Resp: 59500  
Ion Ratio Lower Upper  
91 100  
92 59.5 47.4 71.2

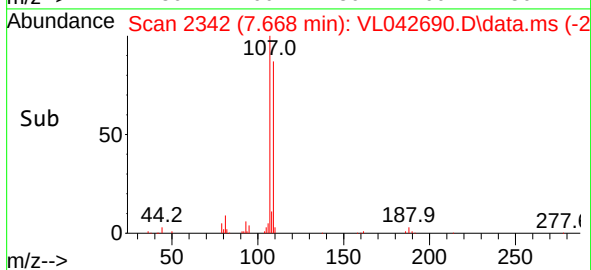
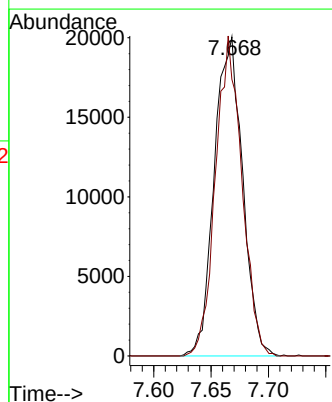
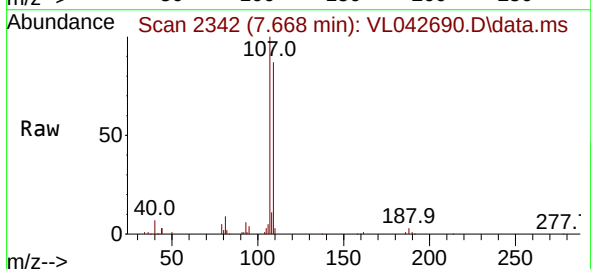
Manual Integrations  
APPROVED

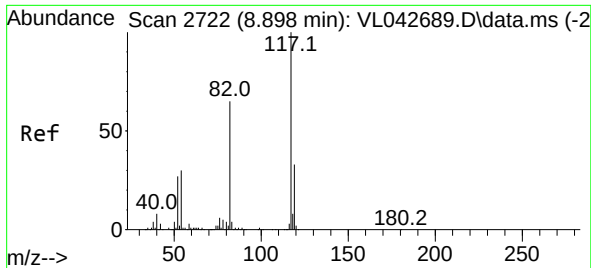
Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025



#54  
1,2-Dibromoethane  
Concen: 2.035 ppbv  
RT: 7.668 min Scan# 2342  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Tgt Ion:107 Resp: 34397  
Ion Ratio Lower Upper  
107 100  
109 86.8 74.8 112.2





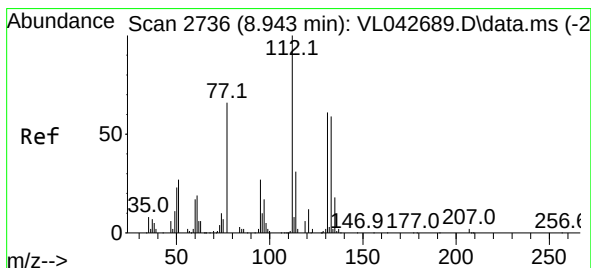
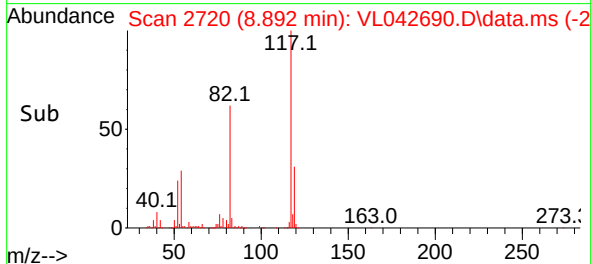
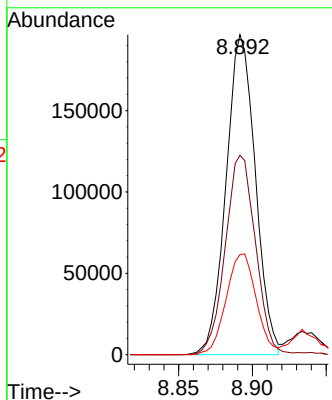
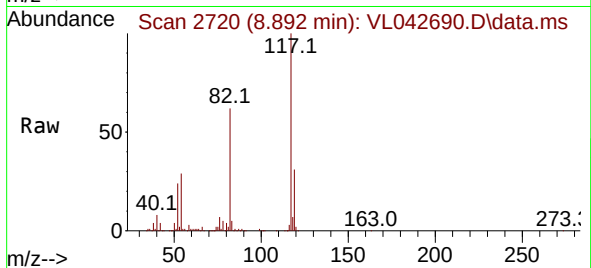
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.892 min Scan# 27159  
Delta R.T. -0.006 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

Tgt Ion:117 Resp: 271598  
Ion Ratio Lower Upper  
117 100  
82 64.7 53.4 80.2  
119 32.5 26.6 39.8

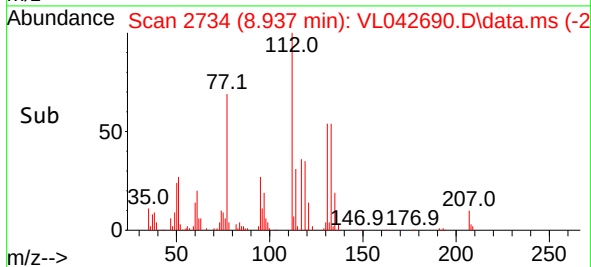
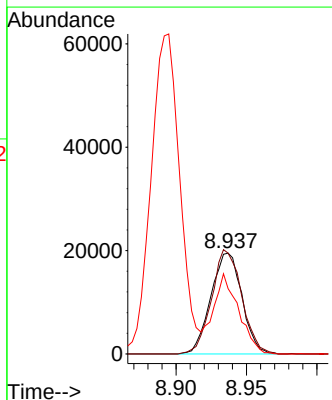
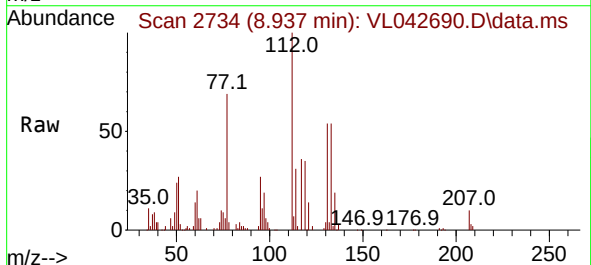
Manual Integrations  
APPROVED

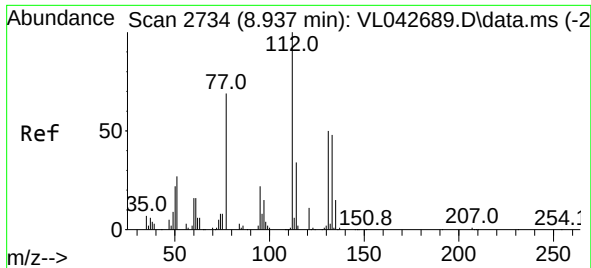
Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025



#56  
1,1,1,2-Tetrachloroethane  
Concen: 2.043 ppbv  
RT: 8.937 min Scan# 2734  
Delta R.T. -0.006 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Tgt Ion:131 Resp: 30008  
Ion Ratio Lower Upper  
131 100  
133 100.2 77.3 115.9  
119 57.6 52.6 78.8





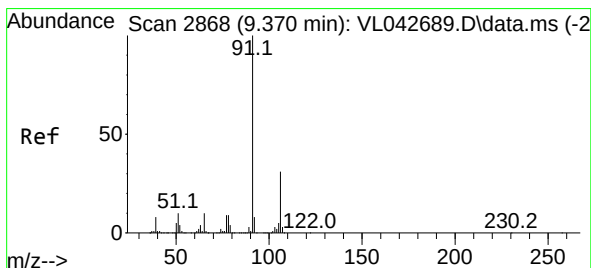
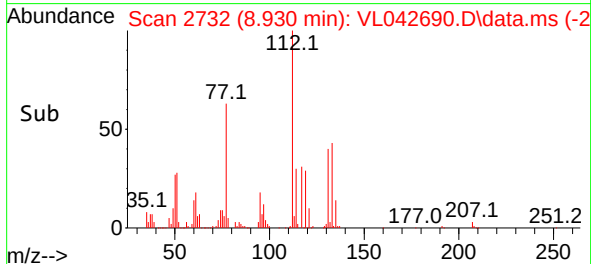
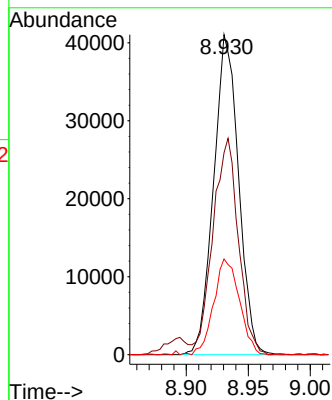
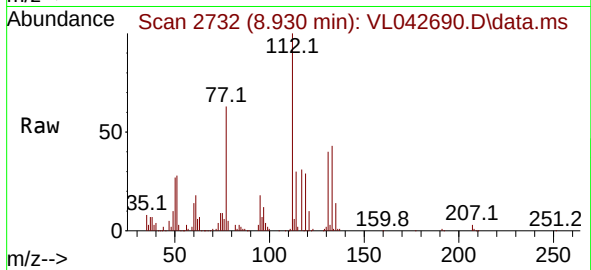
#57  
Chlorobenzene  
Concen: 2.114 ppbv  
RT: 8.930 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

Tgt Ion:112 Resp: 57600  
Ion Ratio Lower Upper  
112 100  
77 62.8 56.2 84.4  
114 29.9 30.2 37.0

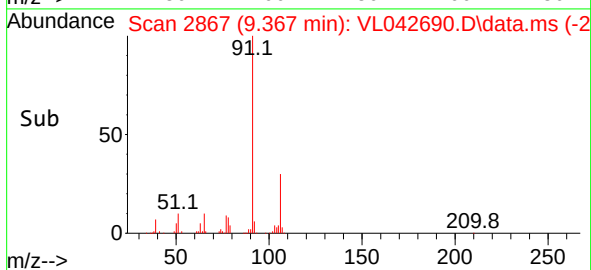
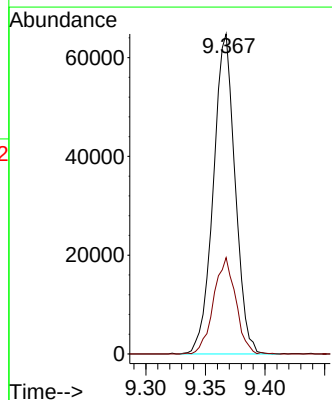
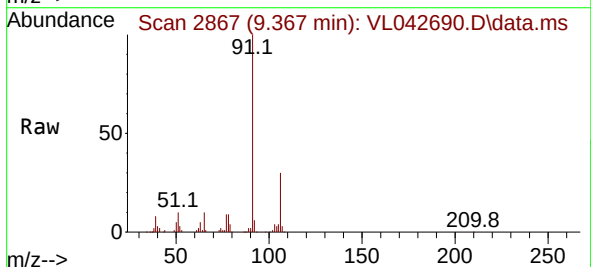
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025

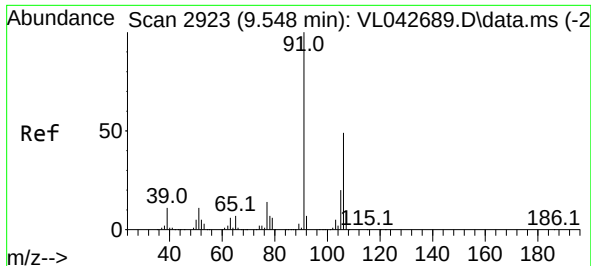


#58  
Ethyl Benzene  
Concen: 2.093 ppbv  
RT: 9.367 min Scan# 2867  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Tgt Ion: 91 Resp: 82202  
Ion Ratio Lower Upper  
91 100  
106 30.1 24.9 37.3







#59

m/p-Xylene

Concen: 4.322 ppbv m

RT: 9.562 min Scan# 2923

Delta R.T. 0.013 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC002

Tgt Ion: 91 Resp: 142254

Ion Ratio Lower Upper

91 100

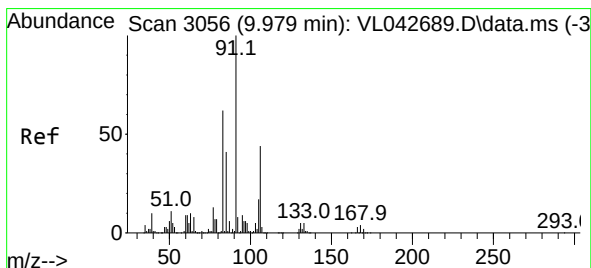
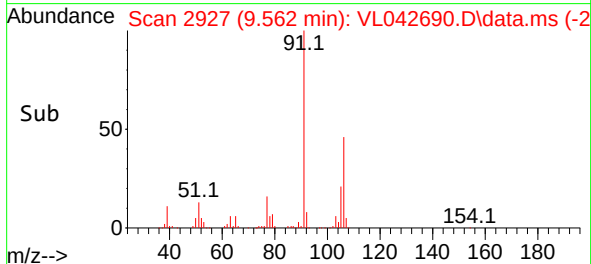
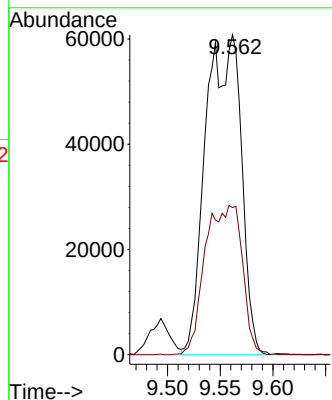
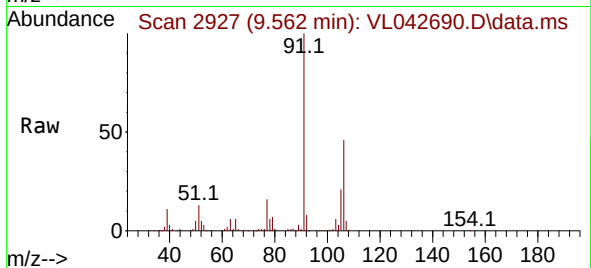
106 0.0 37.6 56.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025

Supervised By :Mahesh Dadoda 07/03/2025



#60

o-Xylene

Concen: 2.211 ppbv

RT: 9.973 min Scan# 3054

Delta R.T. -0.006 min

Lab File: VL042690.D

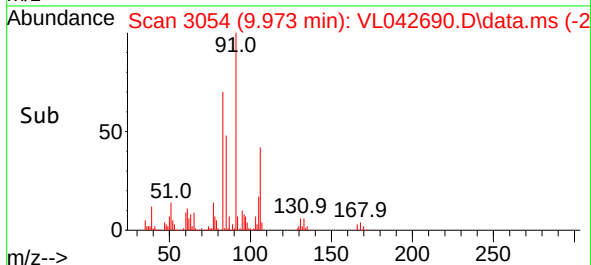
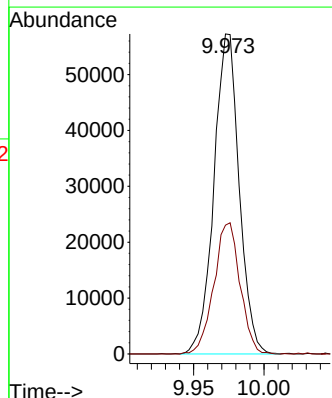
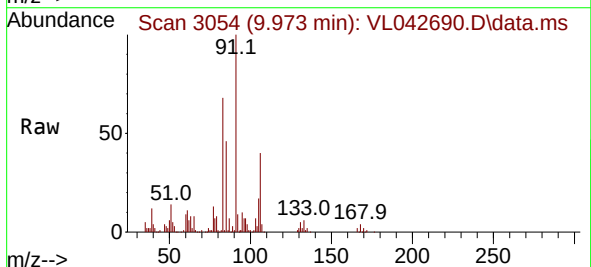
Acq: 02 Jul 2025 08:56

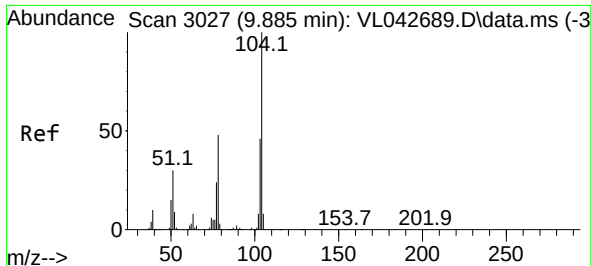
Tgt Ion: 91 Resp: 71539

Ion Ratio Lower Upper

91 100

106 42.5 22.8 68.4





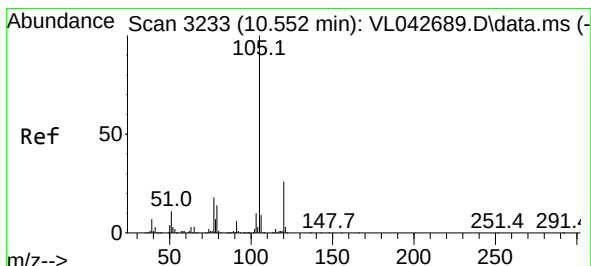
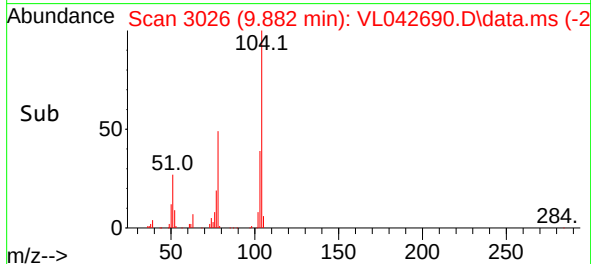
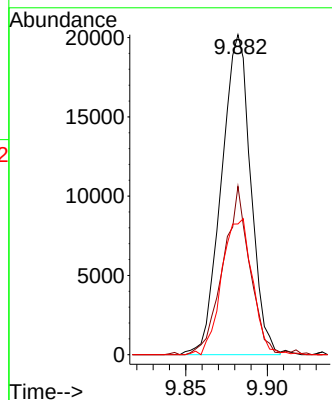
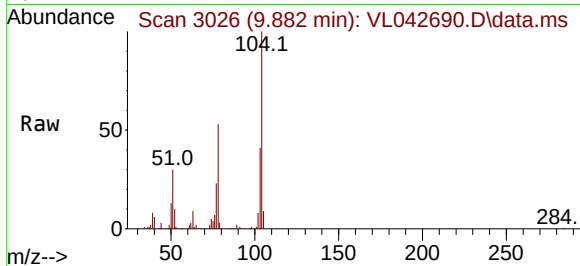
#61  
Styrene  
Concen: 1.982 ppbv  
RT: 9.882 min Scan# 3027  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

Tgt Ion:104 Resp: 2520  
Ion Ratio Lower Upper  
104 100  
78 48.9 39.0 58.6  
103 44.7 37.4 56.0

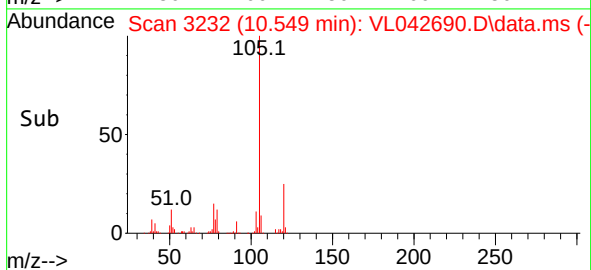
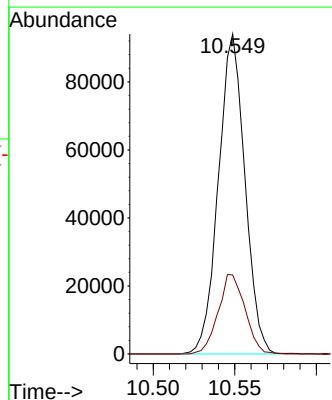
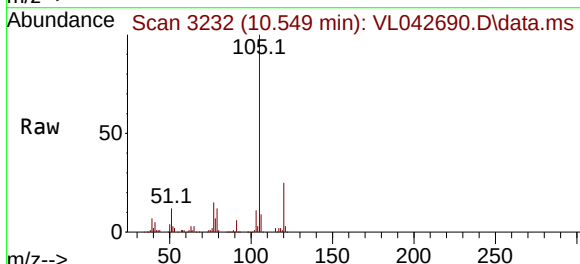
Manual Integrations  
APPROVED

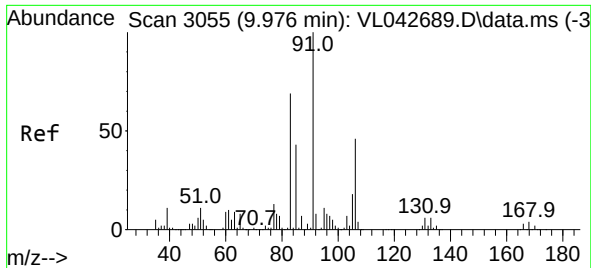
Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025



#62  
Isopropylbenzene  
Concen: 2.172 ppbv  
RT: 10.549 min Scan# 3232  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Tgt Ion:105 Resp: 106122  
Ion Ratio Lower Upper  
105 100  
120 25.2 20.6 31.0





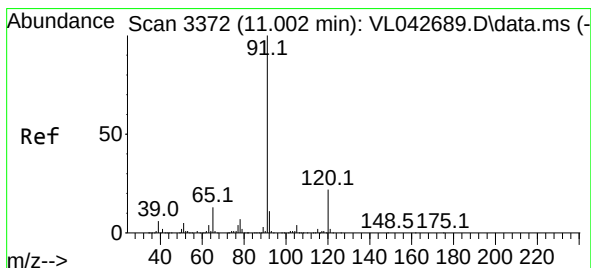
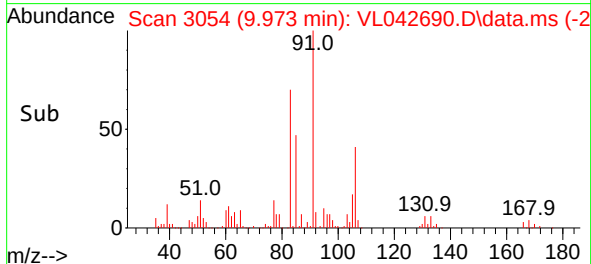
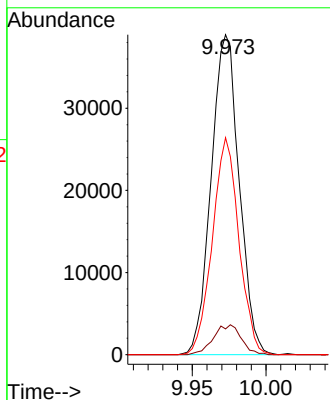
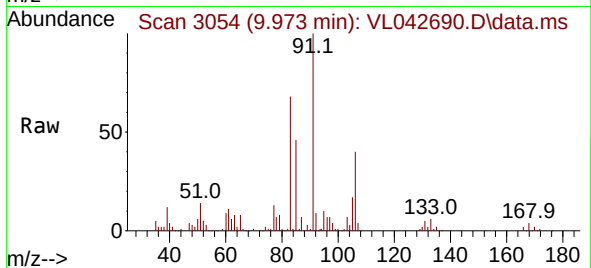
#63  
1,1,2,2-Tetrachloroethane  
Concen: 2.063 ppbv  
RT: 9.973 min Scan# 3055  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Instrument : MSVOA\_L  
ClientSampleId : VSTDICC002

Tgt Ion: 83 Resp: 5142  
Ion Ratio Lower Upper  
83 100  
131 9.3 4.5 13.4  
85 64.2 31.5 94.5

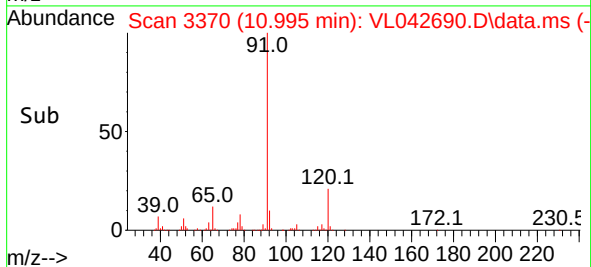
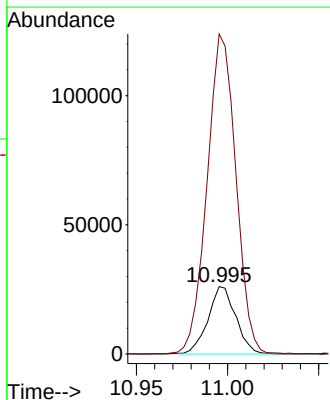
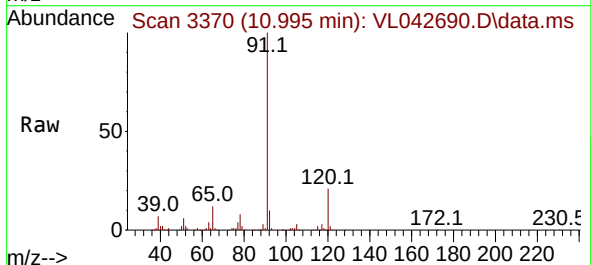
Manual Integrations  
APPROVED

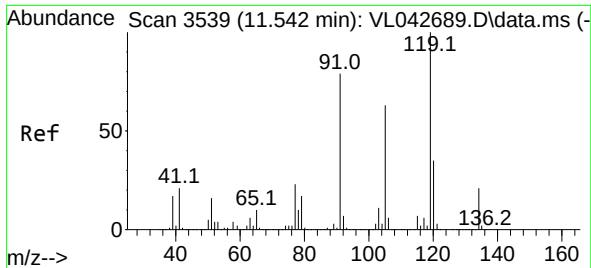
Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025



#64  
n-propylbenzene  
Concen: 2.204 ppbv  
RT: 10.995 min Scan# 3370  
Delta R.T. -0.006 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Tgt Ion:120 Resp: 27567  
Ion Ratio Lower Upper  
120 100  
91 496.3 377.8 566.8





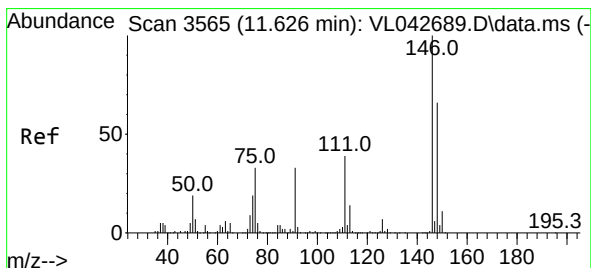
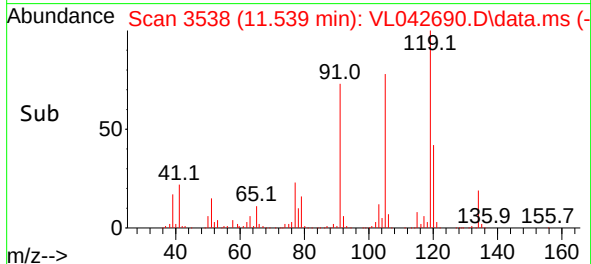
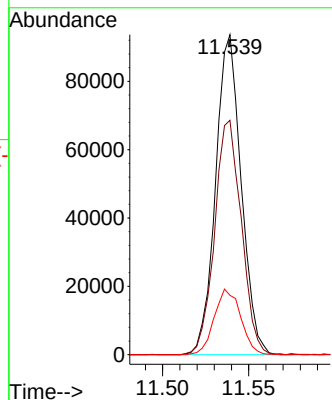
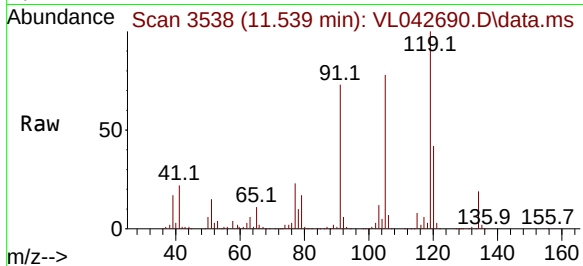
#65  
tert-Butylbenzene  
Concen: 2.318 ppbv  
RT: 11.539 min Scan# 3538  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

Tgt Ion:119 Resp: 9690  
Ion Ratio Lower Upper  
119 100  
91 76.5 62.6 93.8  
134 21.2 16.9 25.3

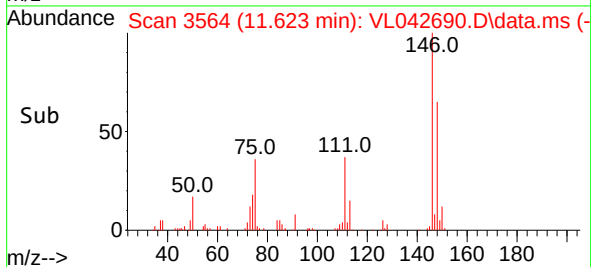
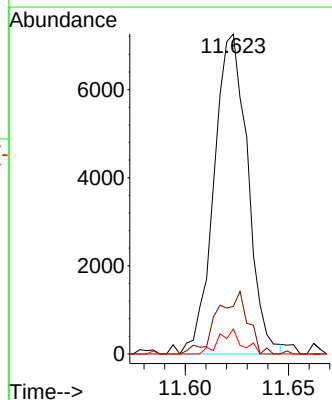
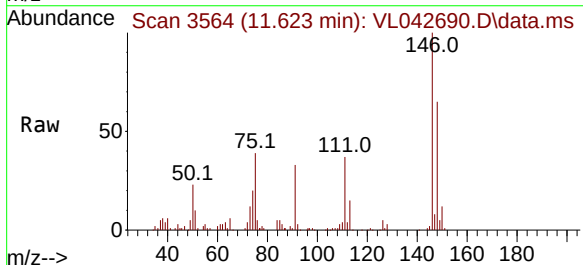
Manual Integrations  
APPROVED

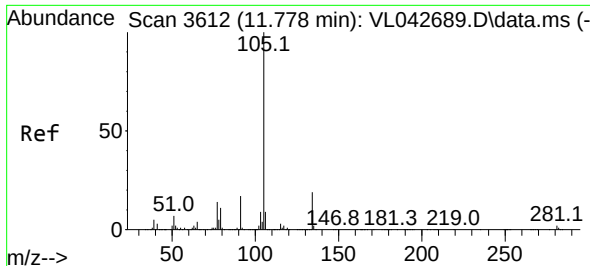
Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025



#66  
Benzyl Chloride  
Concen: 2.030 ppbv  
RT: 11.623 min Scan# 3564  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

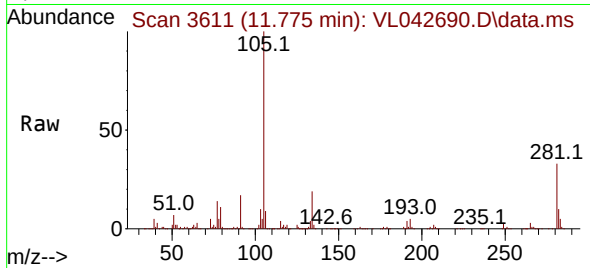
Tgt Ion: 91 Resp: 8222  
Ion Ratio Lower Upper  
91 100  
126 18.0 14.8 22.2  
128 5.2 4.7 7.1





#67  
 sec-Butylbenzene  
 Concen: 2.255 ppbv  
 RT: 11.775 min Scan# 3611  
 Delta R.T. -0.003 min  
 Lab File: VL042690.D  
 Acq: 02 Jul 2025 08:56

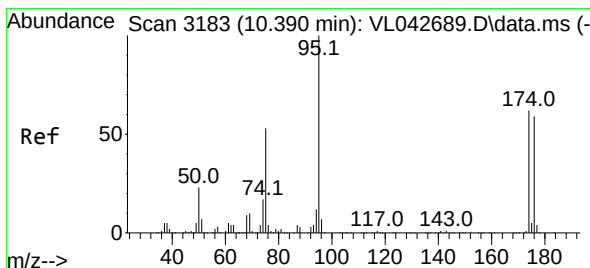
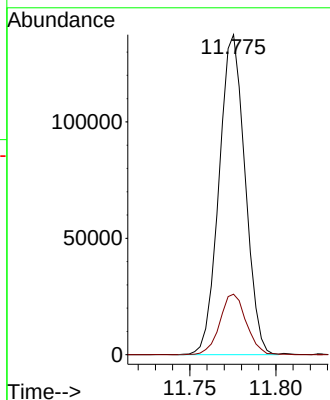
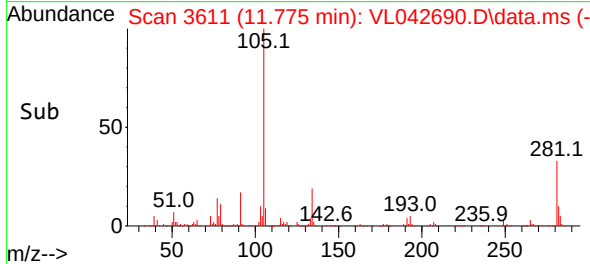
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC002



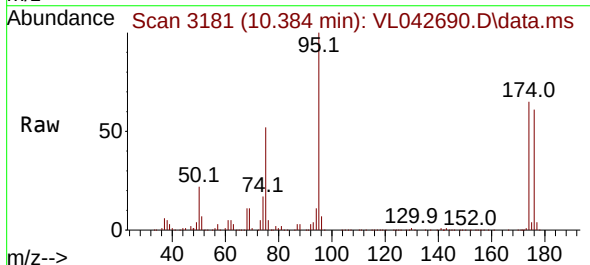
Tgt Ion:105 Resp: 14441  
 Ion Ratio Lower Upper  
 105 100  
 134 19.2 15.0 22.6

Manual Integrations  
 APPROVED

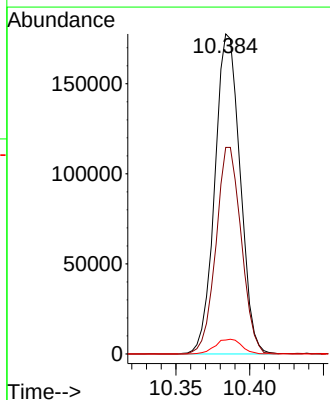
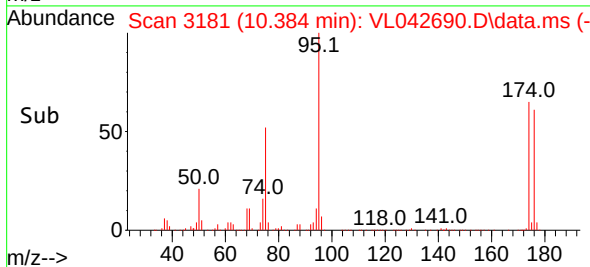
Reviewed By :Semsettin Yesilyurt 07/03/2025  
 Supervised By :Mahesh Dadoda 07/03/2025

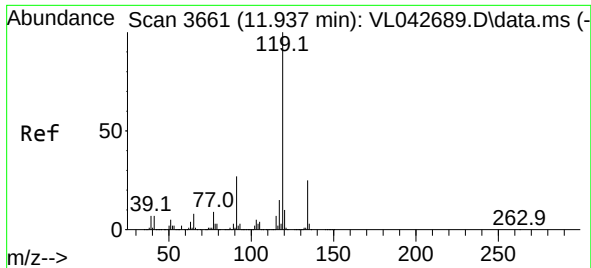


#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.141 ppbv  
 RT: 10.384 min Scan# 3181  
 Delta R.T. -0.006 min  
 Lab File: VL042690.D  
 Acq: 02 Jul 2025 08:56



Tgt Ion: 95 Resp: 211854  
 Ion Ratio Lower Upper  
 95 100  
 174 64.9 51.2 76.8  
 175 4.8 3.8 5.8





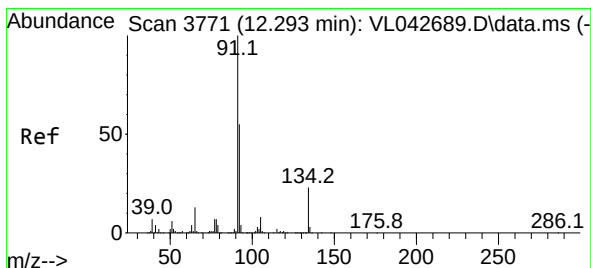
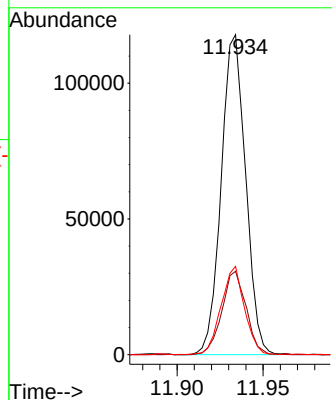
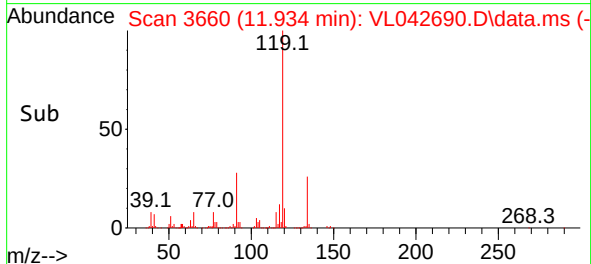
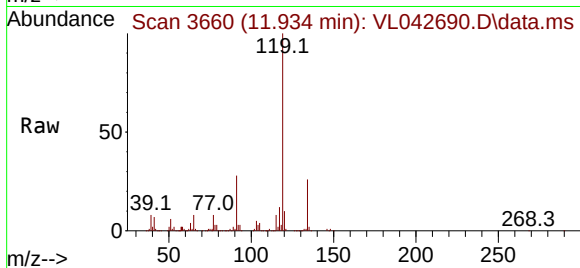
#69  
p-Isopropyltoluene  
Concen: 2.283 ppbv  
RT: 11.934 min Scan# 3660  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

Tgt Ion: 119 Resp: 116378  
Ion Ratio Lower Upper  
119 100  
134 25.9 20.6 31.0  
91 26.9 21.4 32.2

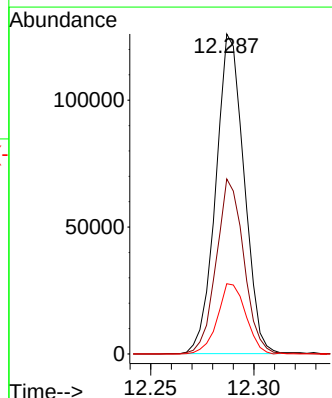
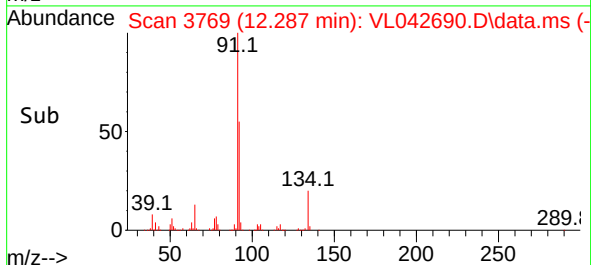
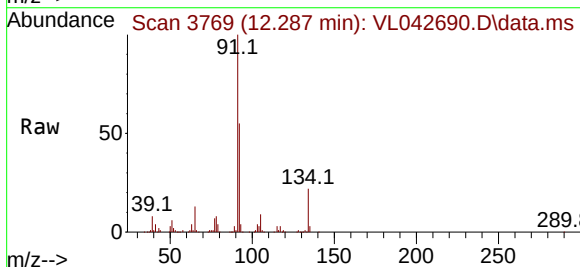
Manual Integrations  
APPROVED

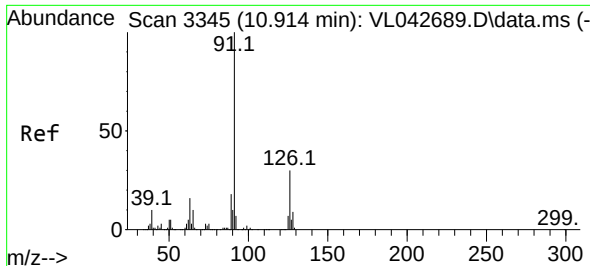
Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025



#70  
n-Butylbenzene  
Concen: 2.332 ppbv  
RT: 12.287 min Scan# 3769  
Delta R.T. -0.006 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

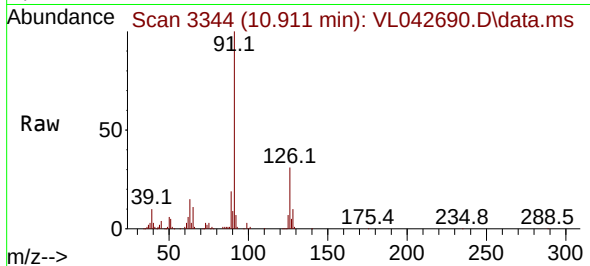
Tgt Ion: 91 Resp: 119746  
Ion Ratio Lower Upper  
91 100  
92 53.6 44.2 66.2  
134 22.2 18.6 27.8





#71  
2-Chlorotoluene  
Concen: 2.119 ppbv  
RT: 10.911 min Scan# 311  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

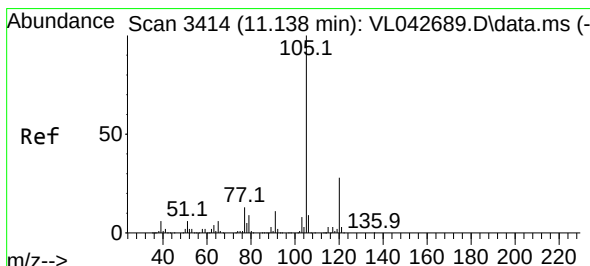
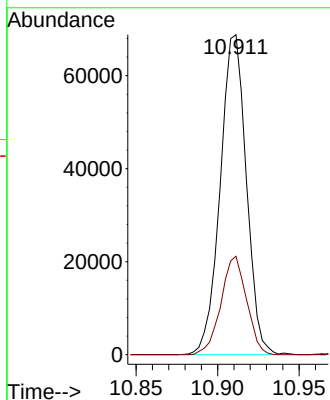
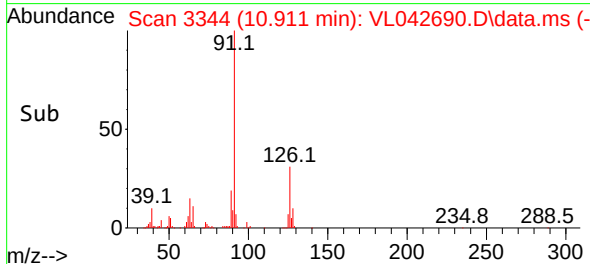
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002



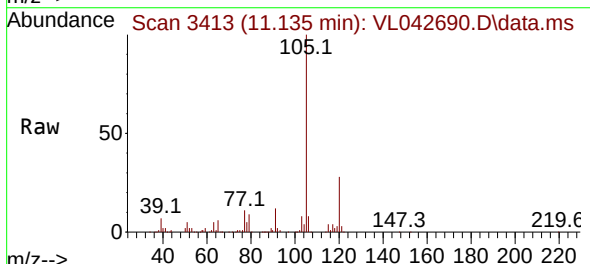
Tgt Ion: 91 Resp: 76582  
Ion Ratio Lower Upper  
91 100  
126 30.1 11.8 47.4

Manual Integrations  
APPROVED

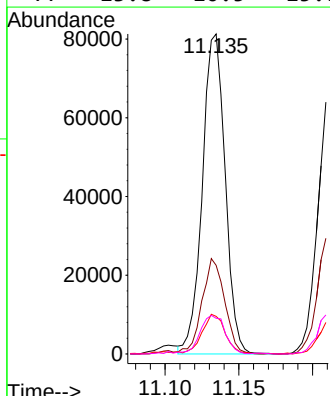
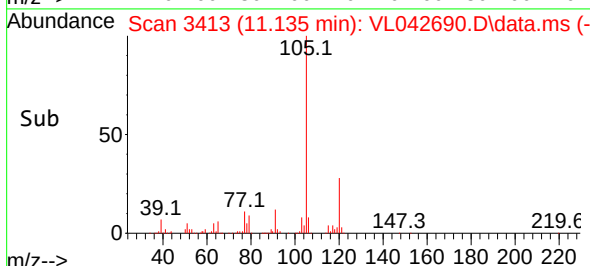
Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025

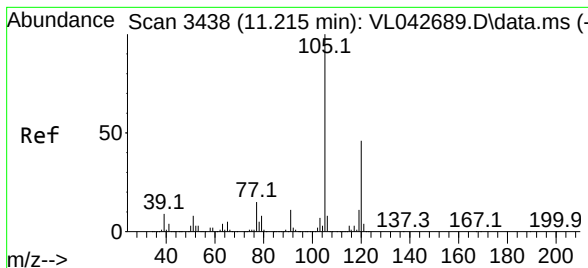


#72  
4-Ethyltoluene  
Concen: 2.211 ppbv  
RT: 11.135 min Scan# 3413  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56



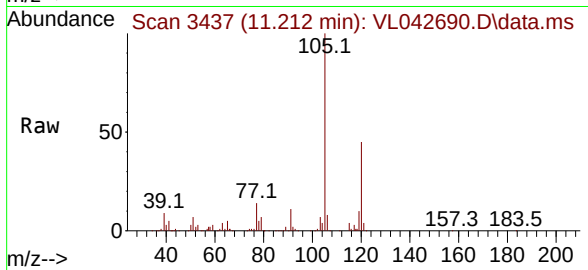
Tgt Ion:105 Resp: 87315  
Ion Ratio Lower Upper  
105 100  
120 30.3 23.8 35.6  
91 13.6 9.7 14.5  
77 13.8 10.5 15.7





#73  
1,3,5-Trimethylbenzene  
Concen: 2.199 ppbv  
RT: 11.212 min Scan# 3438  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

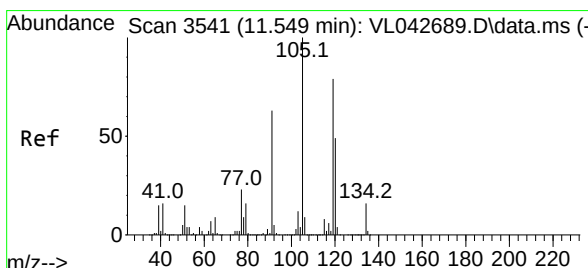
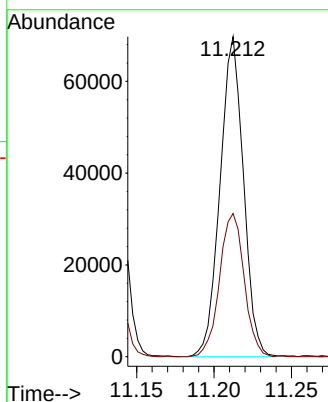
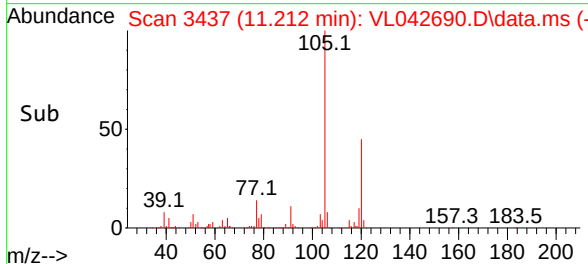
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002



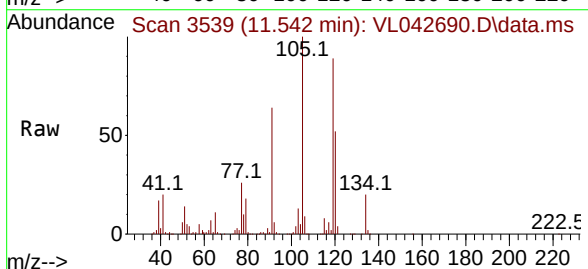
Tgt Ion:105 Resp: 73219  
Ion Ratio Lower Upper  
105 100  
120 44.8 37.0 55.4

Manual Integrations  
APPROVED

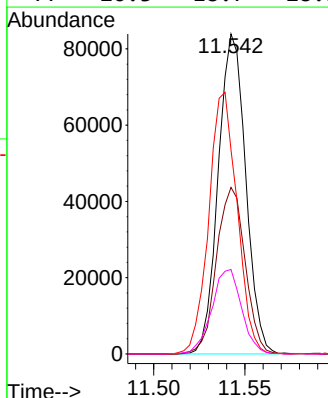
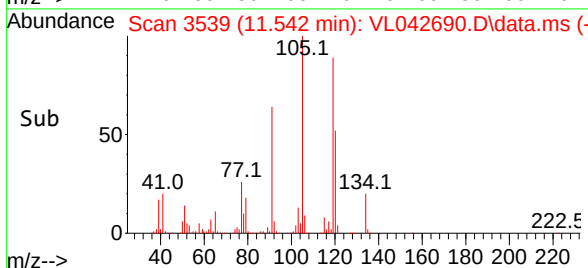
Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025



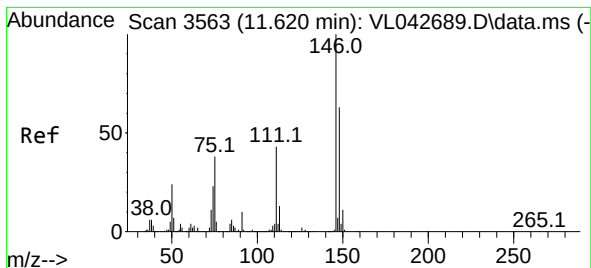
#74  
1,2,4-Trimethylbenzene  
Concen: 2.313 ppbv  
RT: 11.542 min Scan# 3539  
Delta R.T. -0.006 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56



Tgt Ion:105 Resp: 87853  
Ion Ratio Lower Upper  
105 100  
120 52.0 39.6 59.4  
91 63.5 51.0 76.6  
77 26.3 18.7 28.1







#75

1,3-Dichlorobenzene

Concen: 2.136 ppbv

RT: 11.614 min Scan# 3561

Delta R.T. -0.006 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

Instrument :

MSVOA\_L

ClientSampleId :

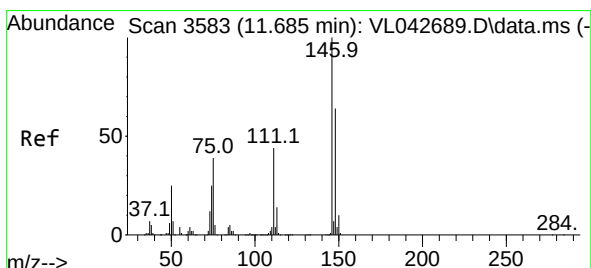
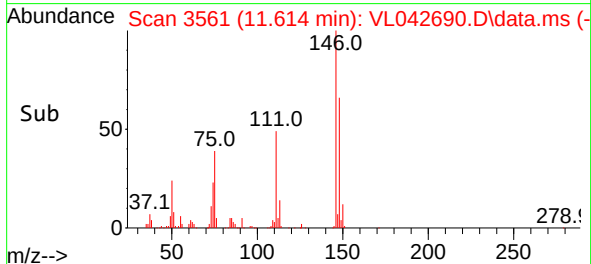
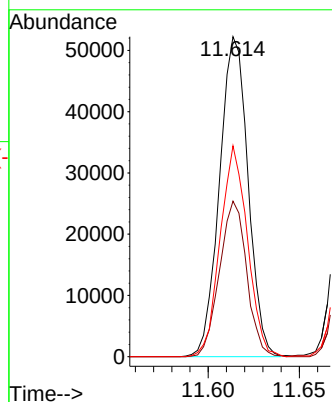
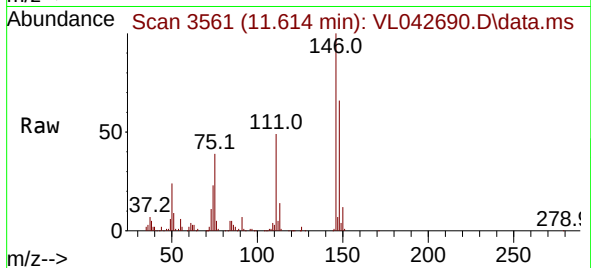
VSTDICC002

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 5693      |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 46.2  | 21.6 65.0 |
| 148         | 63.0  | 31.6 94.7 |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025



#76

1,4-Dichlorobenzene

Concen: 2.152 ppbv

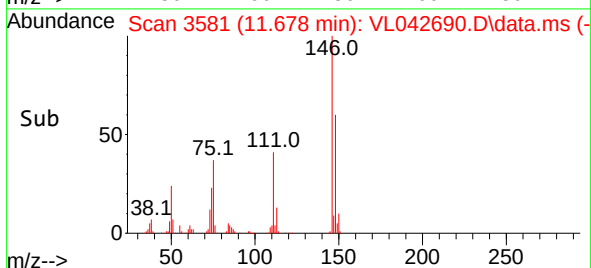
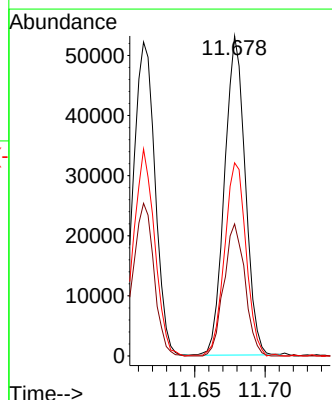
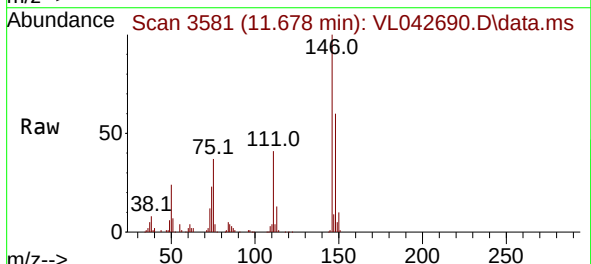
RT: 11.678 min Scan# 3581

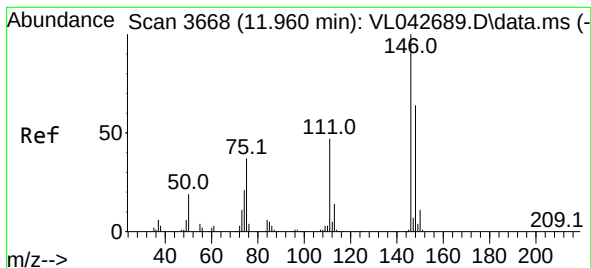
Delta R.T. -0.006 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 54426     |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 42.2  | 21.4 64.3 |
| 148         | 63.0  | 31.8 95.4 |





#77

1,2-Dichlorobenzene

Concen: 2.229 ppbv

RT: 11.953 min Scan# 3666

Delta R.T. -0.006 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

Instrument :

MSVOA\_L

ClientSampleId :

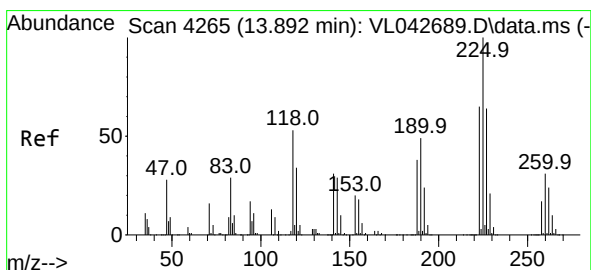
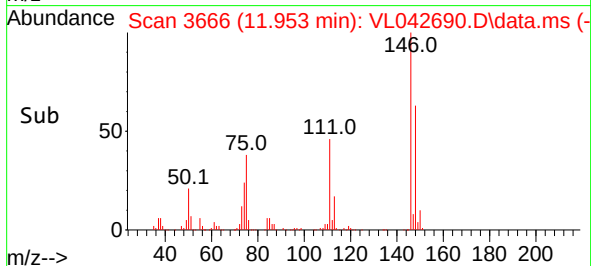
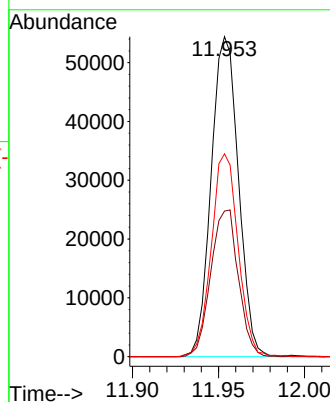
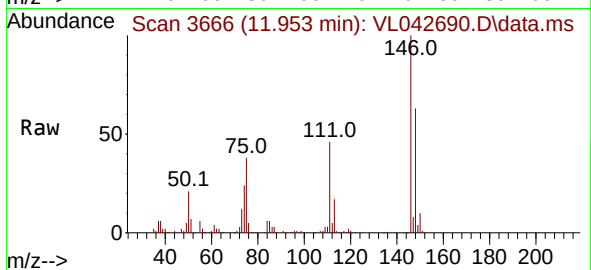
VSTDICC002

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 146   | Resp: | 5999 |
| Ion Ratio | Lower | Upper |      |
| 146       | 100   |       |      |
| 111       | 46.4  | 22.9  | 68.8 |
| 148       | 62.3  | 31.9  | 95.7 |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025



#78

Hexachloro-1,3-Butadiene

Concen: 2.343 ppbv

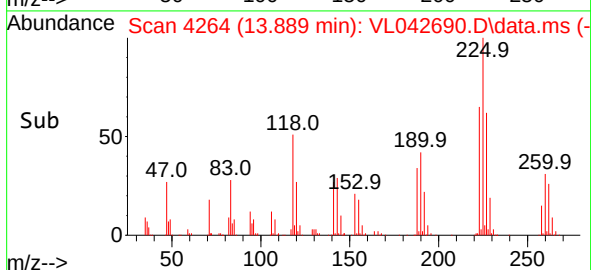
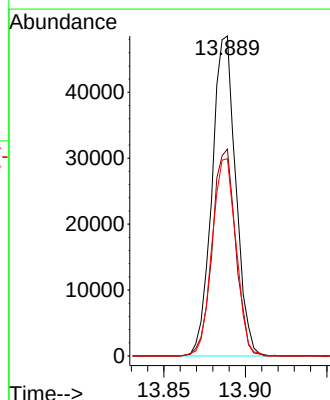
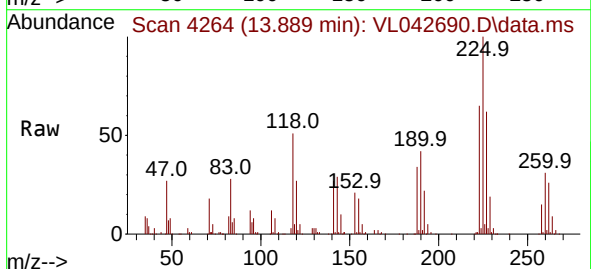
RT: 13.889 min Scan# 4264

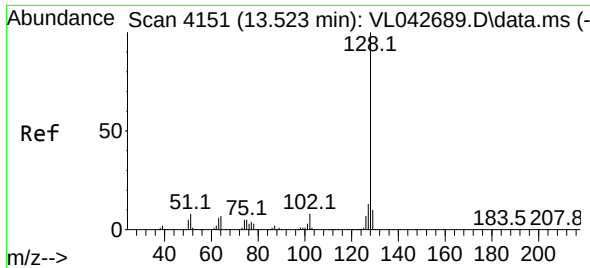
Delta R.T. -0.003 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 49131 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 63.4  | 50.5  | 75.7  |
| 227       | 62.2  | 50.0  | 75.0  |





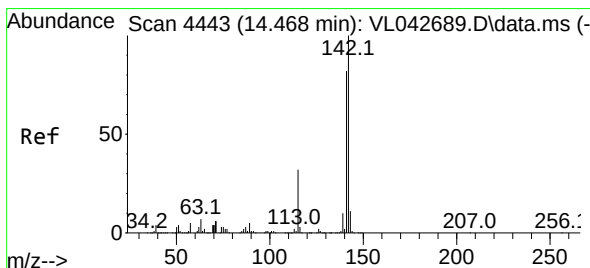
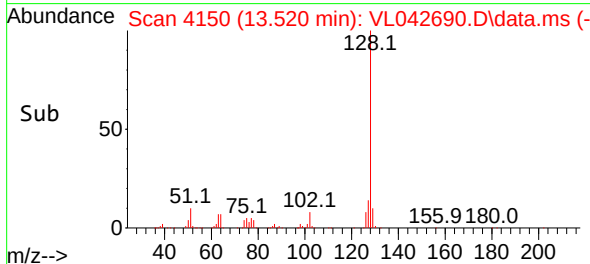
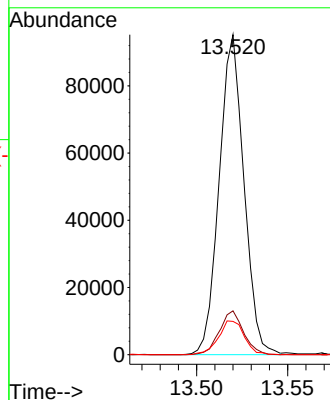
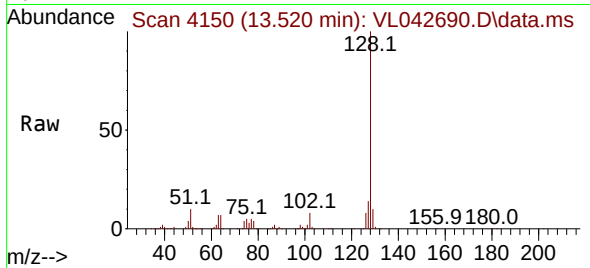
#79  
Naphthalene  
Concen: 2.852 ppbv  
RT: 13.520 min Scan# 4151  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

Tgt Ion:128 Resp: 8979  
Ion Ratio Lower Upper  
128 100  
127 13.7 10.2 15.4  
129 10.4 8.2 12.2

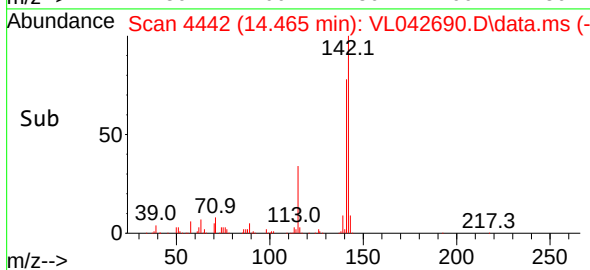
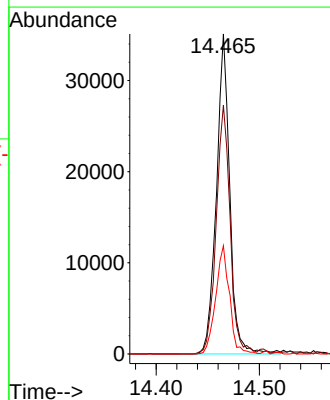
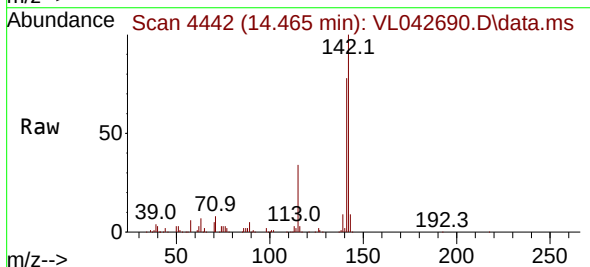
Manual Integrations  
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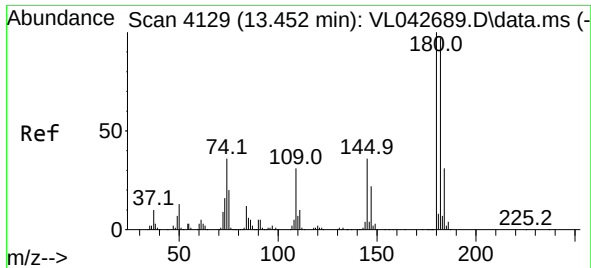
Reviewed By :Semsettin Yesilyurt 07/03/2025  
Supervised By :Mahesh Dadoda 07/03/2025



#80  
Naphthalene,2-methyl-  
Concen: 2.395 ppbv  
RT: 14.465 min Scan# 4442  
Delta R.T. -0.003 min  
Lab File: VL042690.D  
Acq: 02 Jul 2025 08:56

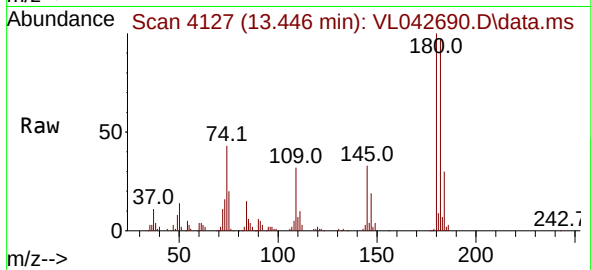
Tgt Ion:142 Resp: 31532  
Ion Ratio Lower Upper  
142 100  
141 82.2 67.4 101.2  
115 35.2 26.9 40.3





#81  
 1,2,4-Trichlorobenzene  
 Concen: 2.493 ppbv  
 RT: 13.446 min Scan# 41  
 Delta R.T. -0.006 min  
 Lab File: VL042690.D  
 Acq: 02 Jul 2025 08:56

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC002



Tgt Ion:180 Resp: 4604  
 Ion Ratio Lower Upper  
 180 100  
 182 95.9 76.7 115.1  
 184 30.3 24.4 36.6

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Reviewed By :Semsettin Yesilyurt 07/03/2025  
 Supervised By :Mahesh Dadoda 07/03/2025

