

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL050625\  
 Data File : VL042502.D  
 Acq On : 06 May 2025 18:07  
 Operator : SY/MD  
 Sample : MDL2 0.40  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL2 0.40

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/07/2025  
 Supervised By : Mahesh Dadoda 05/09/2025

Quant Time: May 07 01:44:55 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL050125AIR.M

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

QLast Update : Fri May 02 03:16:31 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.797 | 49   | 69752    | 10.000 | ppbv  | 0.01     |
| 33) 1,4-Difluorobenzene | 3.975 | 114  | 178512   | 10.000 | ppbv  | 0.02     |
| 55) Chlorobenzene-d5    | 8.898 | 117  | 146916   | 10.000 | ppbv  | 0.02     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.390 95 140214 10.294 ppbv 0.01  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.900%

Target Compounds

|                               |       |     |       |       |        | Qvalue |
|-------------------------------|-------|-----|-------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.502 | 85  | 5685  | 0.493 | ppbv   | 97     |
| 3) Chlorodifluoromethane      | 1.479 | 51  | 6200  | 0.508 | ppbv   | 98     |
| 4) Chloromethane              | 1.538 | 50  | 2651  | 0.549 | ppbv # | 79     |
| 5) Vinyl Chloride             | 1.586 | 62  | 2443  | 0.503 | ppbv   | 93     |
| 6) Bromomethane               | 1.674 | 94  | 1474  | 0.642 | ppbv   | 93     |
| 7) Chloroethane               | 1.709 | 64  | 824   | 0.459 | ppbv # | 48     |
| 8) Dichlorotetrafluoroethane  | 1.557 | 85  | 5055  | 0.531 | ppbv   | 99     |
| 9) Propene                    | 1.489 | 41  | 1391  | 0.348 | ppbv # | 80     |
| 10) Heptane                   | 4.994 | 43  | 3734m | 0.361 | ppbv   |        |
| 11) Trichlorofluoromethane    | 1.881 | 101 | 5836  | 0.548 | ppbv   | 98     |
| 12) 1,1,2-Trichlorotrifluo... | 2.146 | 101 | 4694  | 0.552 | ppbv   | 97     |
| 13) Ethanol                   | 1.729 | 45  | 616m  | 0.760 | ppbv   |        |
| 14) Bromoethene               | 1.787 | 108 | 1727  | 0.550 | ppbv # | 88     |
| 15) Acetone                   | 1.842 | 43  | 8139  | 0.639 | ppbv # | 89     |
| 16) 1,3-Butadiene             | 1.612 | 39  | 3162  | 0.563 | ppbv   | 88     |
| 17) tert-Butyl alcohol        | 2.052 | 59  | 4846  | 0.432 | ppbv # | 82     |
| 18) 1,1-Dichloroethene        | 2.039 | 96  | 1985  | 0.500 | ppbv   | 92     |
| 19) Isopropyl Alcohol         | 1.894 | 45  | 4014  | 0.570 | ppbv # | 86     |
| 20) Methylene Chloride        | 2.072 | 84  | 2565  | 0.670 | ppbv # | 76     |
| 21) Allyl Chloride            | 2.101 | 41  | 3746  | 0.457 | ppbv # | 78     |
| 22) trans-1,2-Dichloroethene  | 2.350 | 96  | 2466  | 0.532 | ppbv   | 82     |
| 23) Vinyl Acetate             | 2.466 | 43  | 5100m | 0.420 | ppbv   |        |
| 24) 1,1-Dichloroethane        | 2.415 | 63  | 4763  | 0.503 | ppbv # | 92     |
| 25) Ethyl Acetate             | 2.855 | 43  | 7674m | 0.376 | ppbv   |        |
| 26) Hexane                    | 2.835 | 57  | 2762  | 0.311 | ppbv # | 73     |
| 27) Carbon Disulfide          | 2.156 | 76  | 4576  | 0.441 | ppbv # | 35     |
| 28) Methyl tert-Butyl Ether   | 2.447 | 73  | 2220  | 0.416 | ppbv # | 74     |
| 29) Chloroform                | 2.855 | 83  | 8064  | 0.484 | ppbv   | 90     |
| 30) Cyclohexane               | 3.865 | 84  | 2225m | 0.300 | ppbv   |        |
| 31) cis-1,2-Dichloroethene    | 2.732 | 61  | 3862  | 0.373 | ppbv   | 97     |
| 32) 1,1,1-Trichloroethane     | 3.379 | 97  | 7649m | 0.424 | ppbv   |        |
| 34) 2-Butanone                | 2.570 | 43  | 5435  | 0.421 | ppbv   | 96     |
| 35) Carbon Tetrachloride      | 3.771 | 117 | 8190  | 0.505 | ppbv # | 55     |
| 36) Benzene                   | 3.671 | 78  | 6695m | 0.397 | ppbv   |        |
| 37) 1,2-Dichloroethane        | 3.230 | 62  | 5877  | 0.453 | ppbv   | 100    |
| 38) Trichloroethene           | 4.561 | 130 | 3444  | 0.536 | ppbv # | 79     |
| 39) 1,2-Dichloropropane       | 4.328 | 63  | 3425m | 0.543 | ppbv   |        |
| 40) 1,4-Dioxane               | 4.625 | 88  | 1049m | 0.355 | ppbv   |        |
| 41) Tetrahydrofuran           | 3.075 | 42  | 2014m | 0.328 | ppbv   |        |
| 42) Bromodichloromethane      | 4.509 | 83  | 7218  | 0.455 | ppbv # | 86     |
| 43) Methyl Methacrylate       | 4.900 | 69  | 2325m | 0.370 | ppbv   |        |
| 44) 2,2,4-Trimethylpentane    | 4.658 | 57  | 9990m | 0.366 | ppbv   |        |
| 45) t-1,3-Dichloropropene     | 6.438 | 75  | 2465m | 0.299 | ppbv   |        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL050625\  
 Data File : VL042502.D  
 Acq On : 06 May 2025 18:07  
 Operator : SY/MD  
 Sample : MDL2 0.40  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL2 0.40

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025  
 Supervised By :Mahesh Dadoda 05/09/2025

Quant Time: May 07 01:44:55 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL050125AIR.M

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

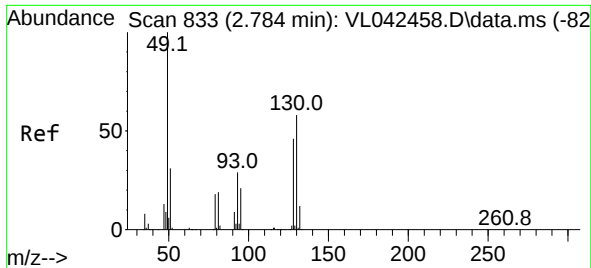
QLast Update : Fri May 02 03:16:31 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.625  | 75   | 3119m    | 0.318 | ppbv   |          |
| 47) 1,1,2-Trichloroethane     | 6.600  | 97   | 3588m    | 0.519 | ppbv   |          |
| 48) Dibromochloromethane      | 7.415  | 129  | 5306m    | 0.454 | ppbv   |          |
| 49) Bromoform                 | 9.493  | 173  | 3723     | 0.380 | ppbv   | 98       |
| 50) 4-Methyl-2-Pentanone      | 5.787  | 43   | 5800m    | 0.355 | ppbv   |          |
| 51) 2-Hexanone                | 7.461  | 43   | 3878m    | 0.297 | ppbv   |          |
| 52) Tetrachloroethene         | 8.244  | 164  | 2725m    | 0.425 | ppbv   |          |
| 53) Toluene                   | 6.952  | 91   | 5590m    | 0.314 | ppbv   |          |
| 54) 1,2-Dibromoethane         | 7.674  | 107  | 4141m    | 0.392 | ppbv   |          |
| 56) 1,1,1,2-Tetrachloroethane | 8.937  | 131  | 4485     | 0.517 | ppbv # | 61       |
| 57) Chlorobenzene             | 8.933  | 112  | 7727m    | 0.523 | ppbv   |          |
| 58) Ethyl Benzene             | 9.367  | 91   | 6849m    | 0.279 | ppbv   |          |
| 59) m/p-Xylene                | 9.564  | 91   | 10466m   | 0.508 | ppbv   |          |
| 60) o-Xylene                  | 9.972  | 91   | 5683     | 0.276 | ppbv   | 96       |
| 61) Styrene                   | 9.885  | 104  | 2174m    | 0.283 | ppbv   |          |
| 62) Isopropylbenzene          | 10.548 | 105  | 8884     | 0.299 | ppbv # | 87       |
| 63) 1,1,2,2-Tetrachloroethane | 9.979  | 83   | 7339     | 0.517 | ppbv   | 92       |
| 64) n-propylbenzene           | 10.998 | 120  | 2029     | 0.279 | ppbv   | 86       |
| 65) tert-Butylbenzene         | 11.542 | 119  | 6663     | 0.251 | ppbv   | 99       |
| 66) Benzyl Chloride           | 11.629 | 91   | 1575m    | 0.514 | ppbv   |          |
| 67) sec-Butylbenzene          | 11.778 | 105  | 11045    | 0.293 | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 11.937 | 119  | 7712     | 0.243 | ppbv   | 97       |
| 70) n-Butylbenzene            | 12.293 | 91   | 8444     | 0.257 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 10.911 | 91   | 7493     | 0.321 | ppbv   | 96       |
| 72) 4-Ethyltoluene            | 11.134 | 105  | 6341     | 0.261 | ppbv # | 93       |
| 73) 1,3,5-Trimethylbenzene    | 11.215 | 105  | 6099     | 0.285 | ppbv # | 75       |
| 74) 1,2,4-Trimethylbenzene    | 11.545 | 105  | 7236     | 0.280 | ppbv   | 88       |
| 75) 1,3-Dichlorobenzene       | 11.620 | 146  | 5936     | 0.412 | ppbv   | 90       |
| 76) 1,4-Dichlorobenzene       | 11.684 | 146  | 5050     | 0.371 | ppbv   | 96       |
| 77) 1,2-Dichlorobenzene       | 11.960 | 146  | 6571     | 0.466 | ppbv   | 96       |
| 78) Hexachloro-1,3-Butadiene  | 13.892 | 225  | 7279     | 0.517 | ppbv   | 96       |
| 79) Naphthalene               | 13.523 | 128  | 4539m    | 0.209 | ppbv   |          |
| 80) Naphthalene,2-methyl-     | 14.471 | 142  | 1321m    | 0.082 | ppbv   |          |
| 81) 1,2,4-Trichlorobenzene    | 13.452 | 180  | 2644m    | 0.228 | ppbv   |          |

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





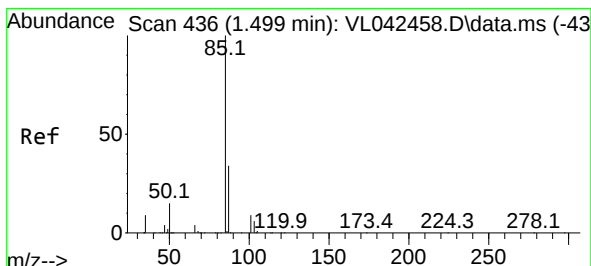
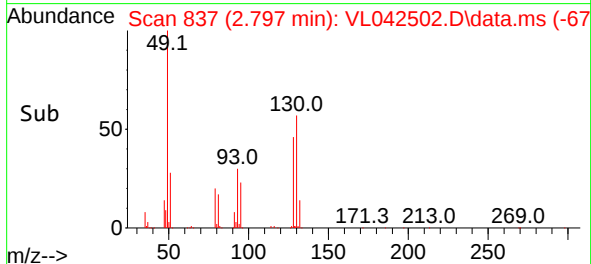
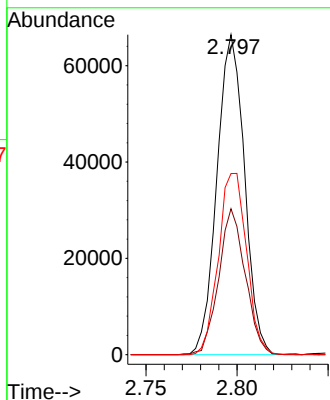
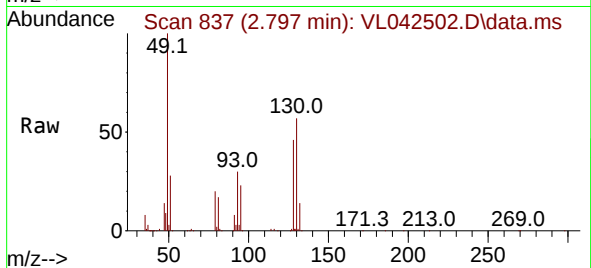
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Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.797 min Scan# 81  
Delta R.T. 0.013 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL2 0.40

Tgt Ion: 49 Resp: 6975  
Ion Ratio Lower Upper  
49 100  
128 44.0 23.3 69.9  
130 58.2 29.5 88.6

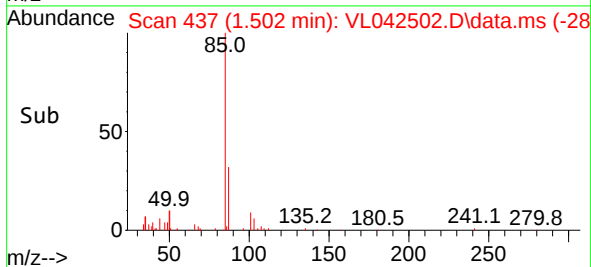
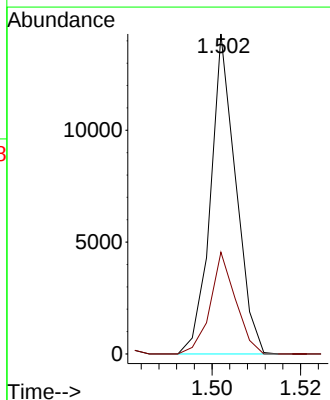
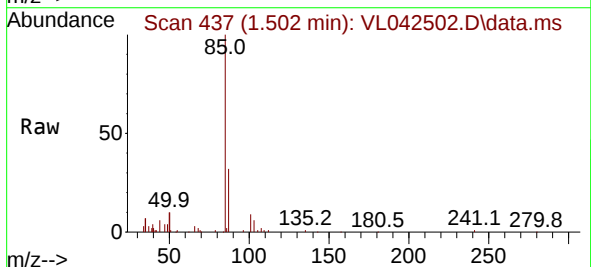
Manual Integrations  
APPROVED

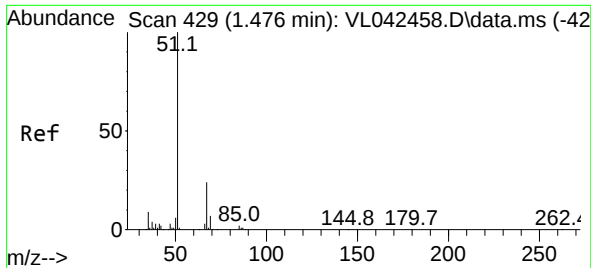
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#2  
Dichlorodifluoromethane  
Concen: 0.493 ppbv  
RT: 1.502 min Scan# 437  
Delta R.T. 0.003 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

Tgt Ion: 85 Resp: 5685  
Ion Ratio Lower Upper  
85 100  
87 31.8 26.9 40.3





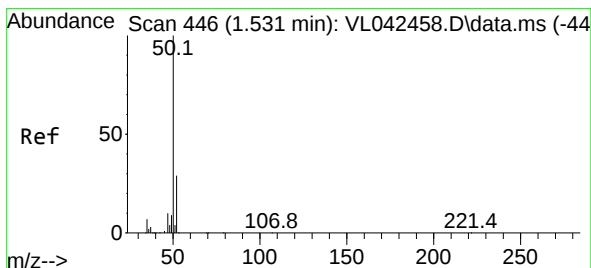
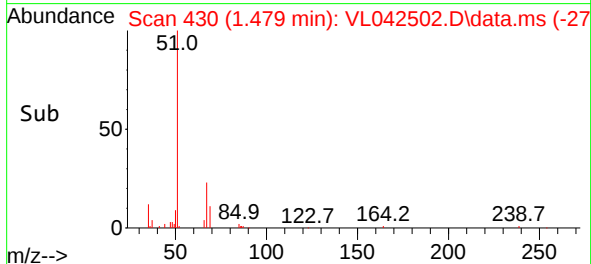
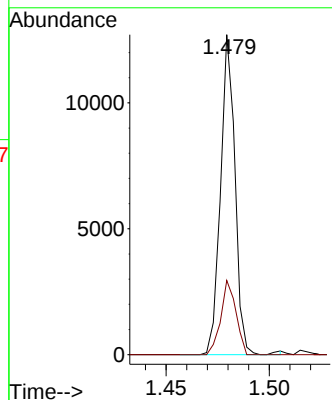
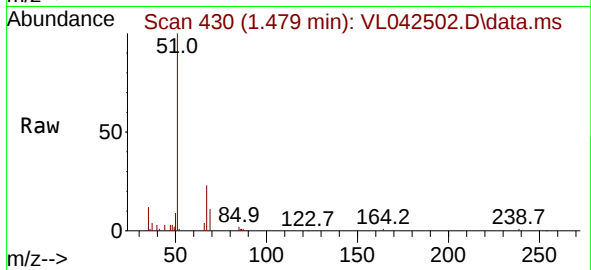
#3  
Chlorodifluoromethane  
Concen: 0.508 ppbv  
RT: 1.479 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL2 0.40

Tgt Ion: 51 Resp: 6200  
Ion Ratio Lower Upper  
51 100  
67 24.2 18.4 27.6

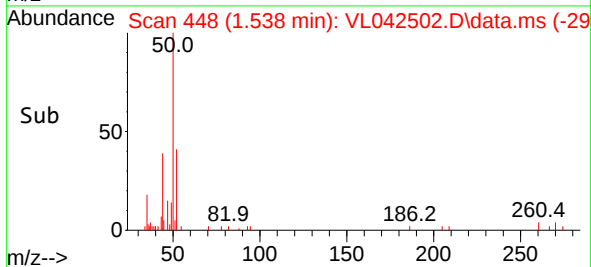
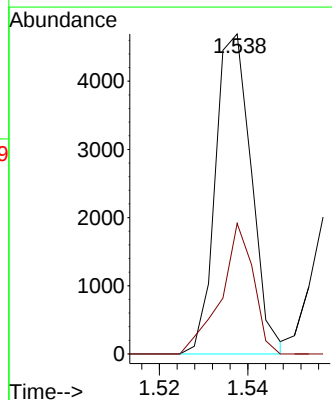
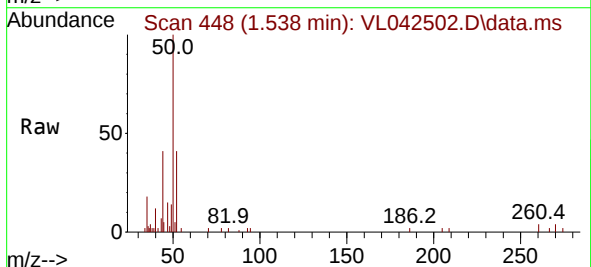
Manual Integrations  
APPROVED

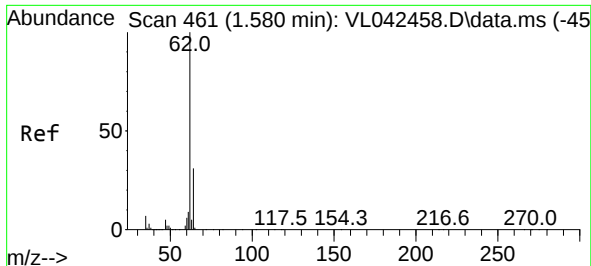
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#4  
Chloromethane  
Concen: 0.549 ppbv  
RT: 1.538 min Scan# 448  
Delta R.T. 0.007 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

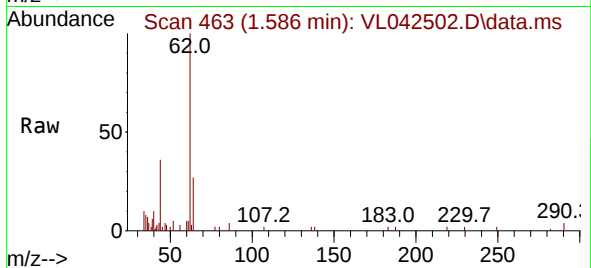
Tgt Ion: 50 Resp: 2651  
Ion Ratio Lower Upper  
50 100  
52 40.8 23.5 35.3#





#5  
 Vinyl Chloride  
 Concen: 0.503 ppbv  
 RT: 1.586 min Scan# 40  
 Delta R.T. 0.007 min  
 Lab File: VL042502.D  
 Acq: 06 May 2025 18:07

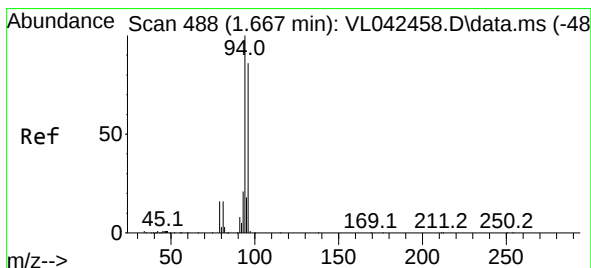
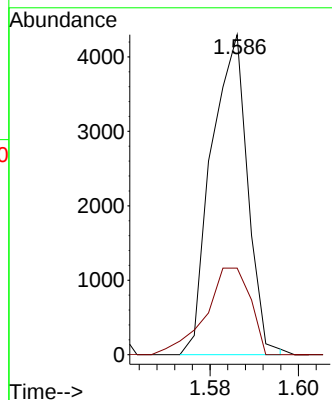
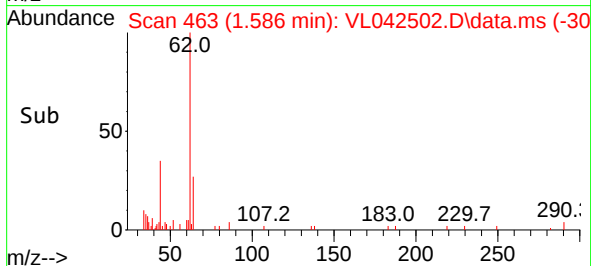
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL2 0.40



Tgt Ion: 62 Resp: 244  
 Ion Ratio Lower Upper  
 62 100  
 64 27.1 24.9 37.3

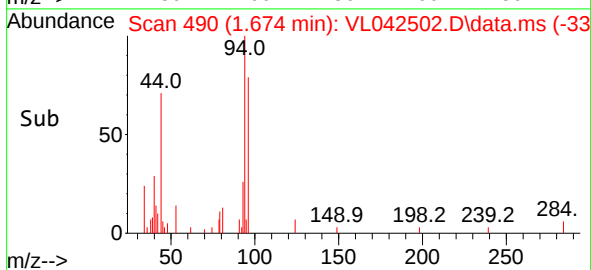
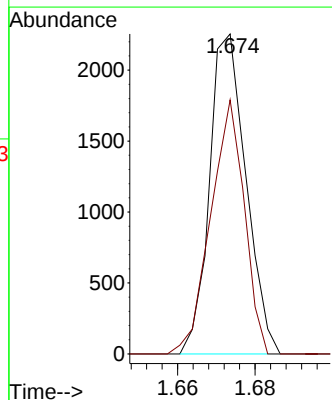
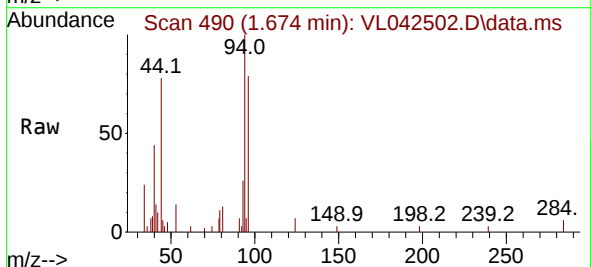
Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025  
 Supervised By :Mahesh Dadoda 05/09/2025



#6  
 Bromomethane  
 Concen: 0.642 ppbv  
 RT: 1.674 min Scan# 490  
 Delta R.T. 0.007 min  
 Lab File: VL042502.D  
 Acq: 06 May 2025 18:07

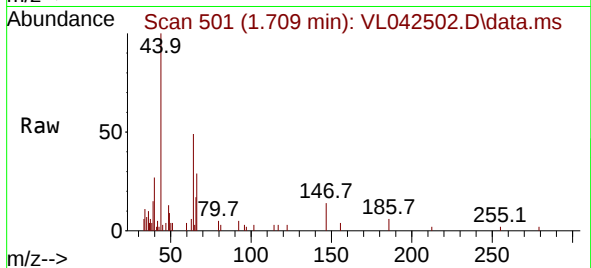
Tgt Ion: 94 Resp: 1474  
 Ion Ratio Lower Upper  
 94 100  
 96 79.4 68.8 103.2





#7  
Chloroethane  
Concen: 0.459 ppbv  
RT: 1.709 min Scan# 501  
Delta R.T. 0.007 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

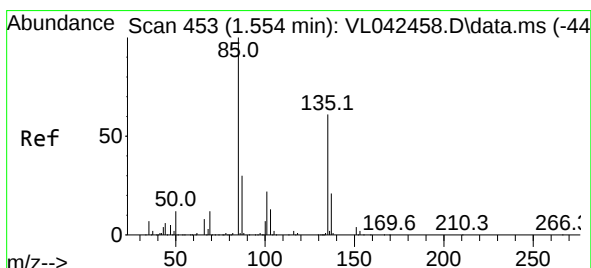
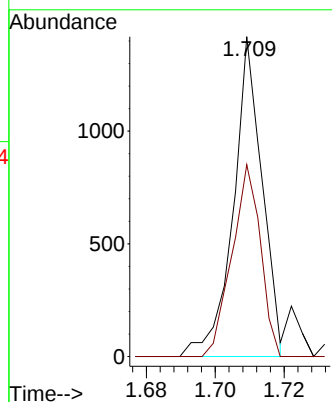
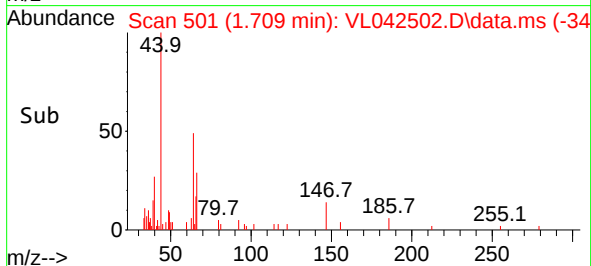
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL2 0.40



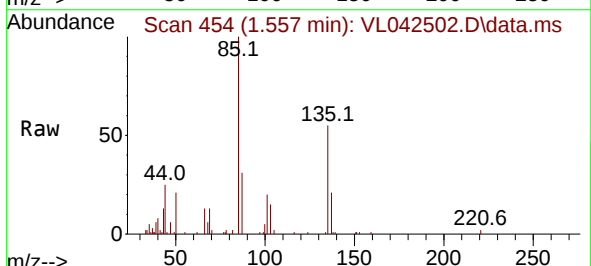
Tgt Ion: 64 Resp: 824  
Ion Ratio Lower Upper  
64 100  
66 60.0 25.0 37.4

Manual Integrations  
APPROVED

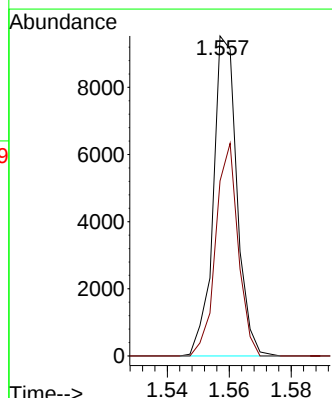
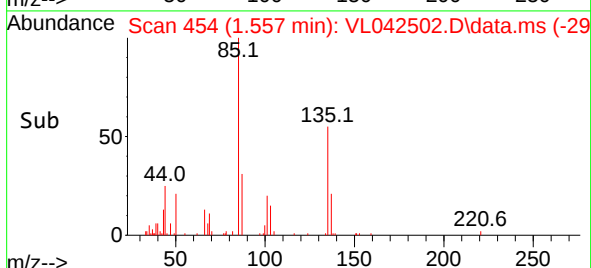
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

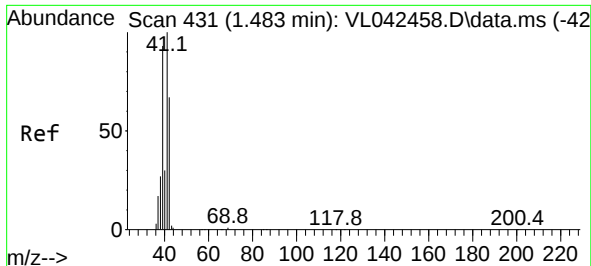


#8  
Dichlorotetrafluoroethane  
Concen: 0.531 ppbv  
RT: 1.557 min Scan# 454  
Delta R.T. 0.003 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07



Tgt Ion: 85 Resp: 5055  
Ion Ratio Lower Upper  
85 100  
135 62.9 49.8 74.8





#9

Propene

Concen: 0.348 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Instrument :

MSVOA\_L

ClientSampleId :

MDL2 0.40

Tgt Ion: 41 Resp: 139

Ion Ratio Lower Upper

41 100

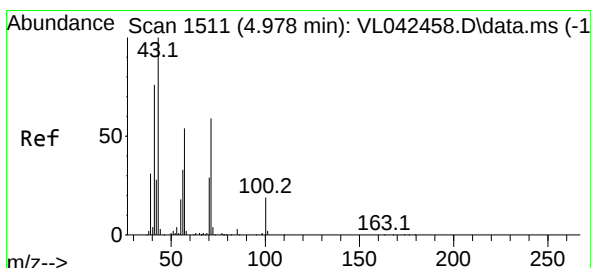
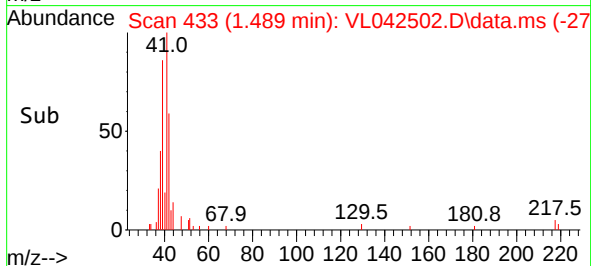
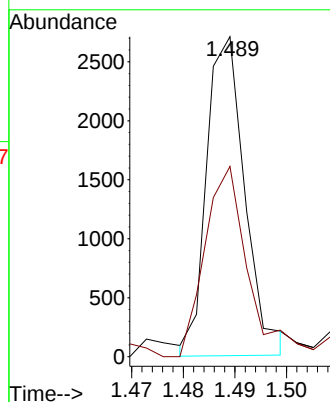
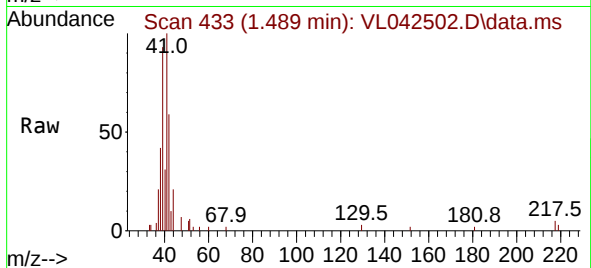
42 83.9 54.3 81.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025

Supervised By :Mahesh Dadoda 05/09/2025



#10

Heptane

Concen: 0.361 ppbv m

RT: 4.994 min Scan# 1516

Delta R.T. 0.016 min

Lab File: VL042502.D

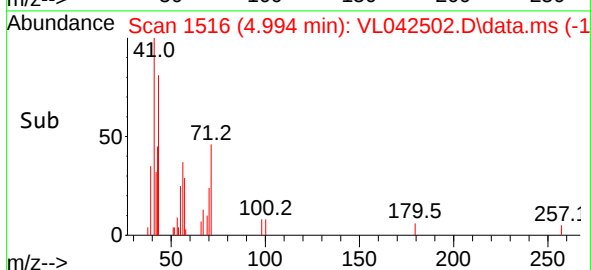
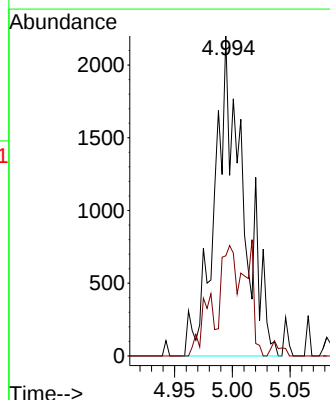
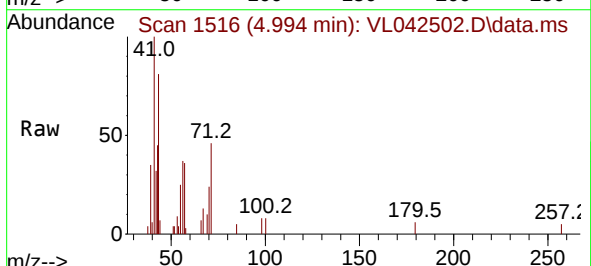
Acq: 06 May 2025 18:07

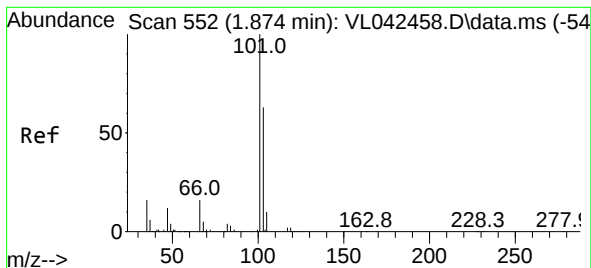
Tgt Ion: 43 Resp: 3734

Ion Ratio Lower Upper

43 100

57 0.0 41.8 62.8





#11

Trichlorofluoromethane

Concen: 0.548 ppbv

RT: 1.881 min Scan# 511

Delta R.T. 0.007 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Instrument :

MSVOA\_L

ClientSampleId :

MDL2 0.40

Tgt Ion:101 Resp: 5830

Ion Ratio Lower Upper

101 100

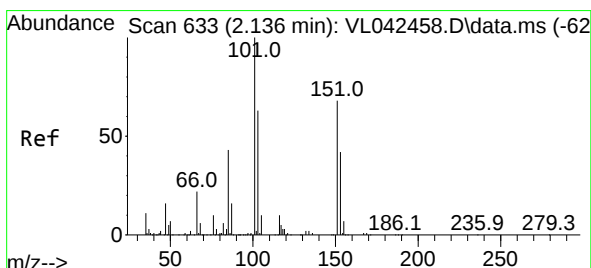
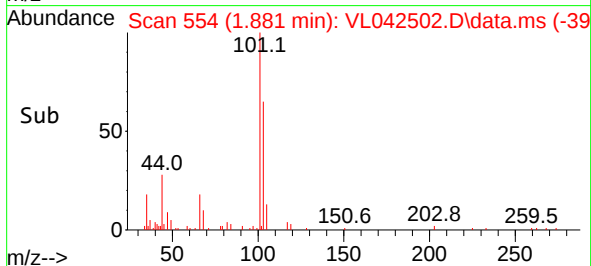
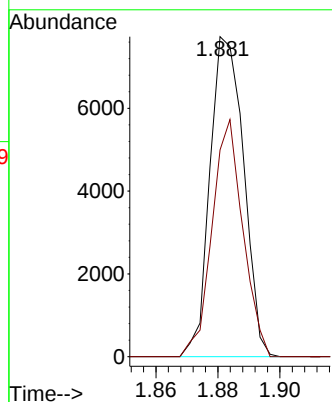
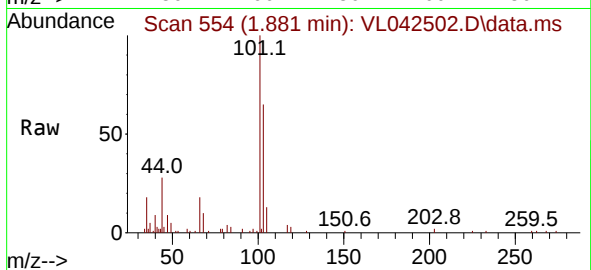
103 64.6 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025

Supervised By :Mahesh Dadoda 05/09/2025



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.552 ppbv

RT: 2.146 min Scan# 636

Delta R.T. 0.010 min

Lab File: VL042502.D

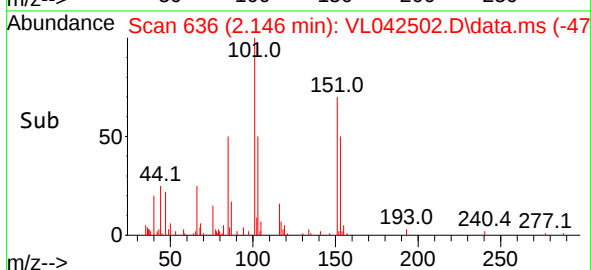
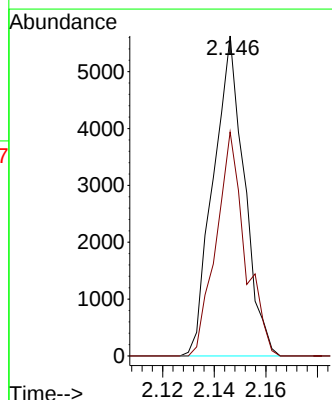
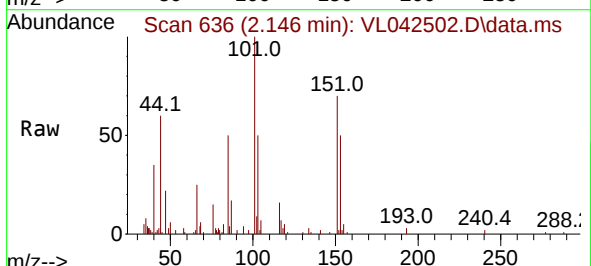
Acq: 06 May 2025 18:07

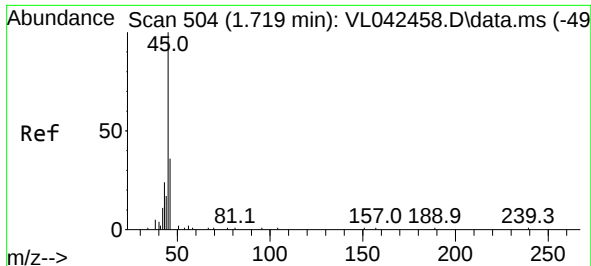
Tgt Ion:101 Resp: 4694

Ion Ratio Lower Upper

101 100

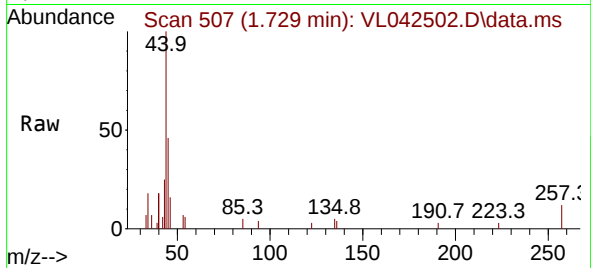
151 65.5 54.6 82.0





#13  
Ethanol  
Concen: 0.760 ppbv m  
RT: 1.729 min Scan# 504  
Delta R.T. 0.010 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

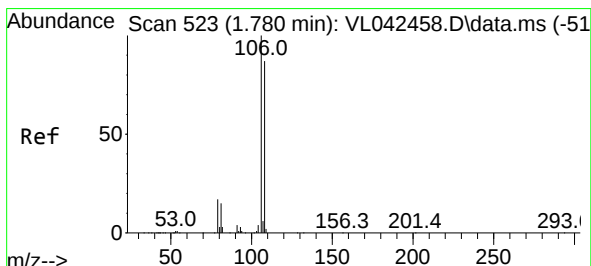
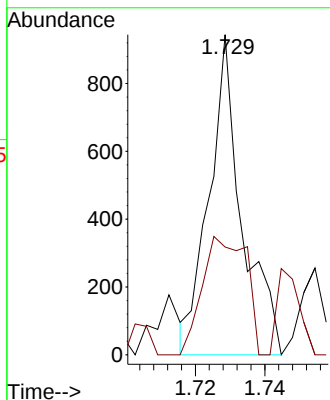
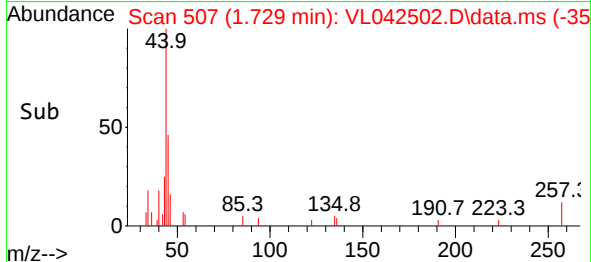
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL2 0.40



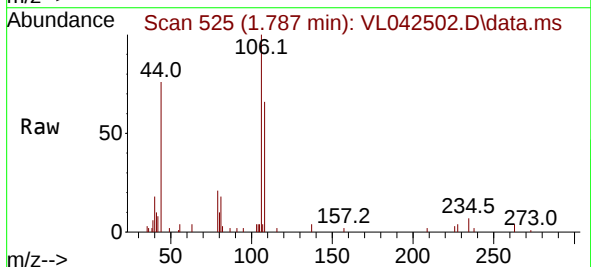
Tgt Ion: 45 Resp: 610  
Ion Ratio Lower Upper  
45 100  
46 73.4 15.3 61.1

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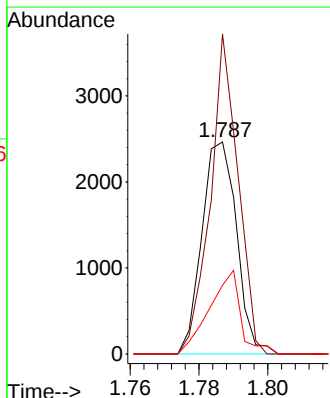
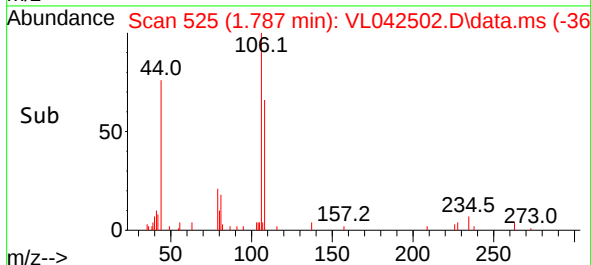
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

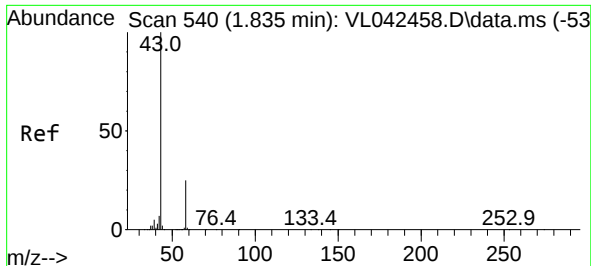


#14  
Bromoethene  
Concen: 0.550 ppbv  
RT: 1.787 min Scan# 525  
Delta R.T. 0.007 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07



Tgt Ion:108 Resp: 1727  
Ion Ratio Lower Upper  
108 100  
106 120.2 88.8 133.2  
79 35.3 17.1 25.7





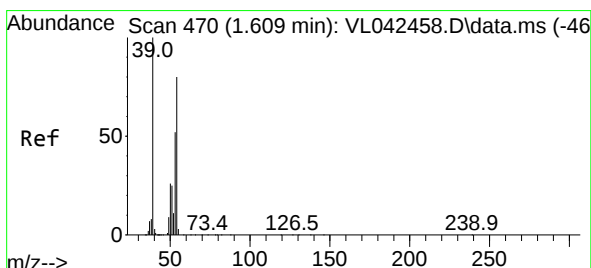
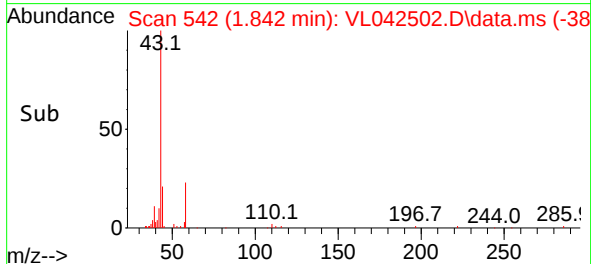
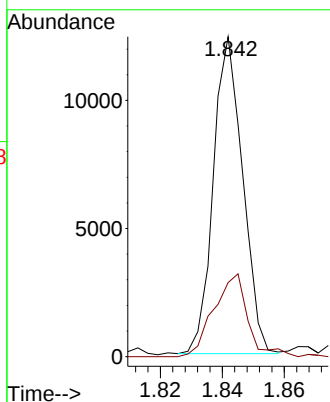
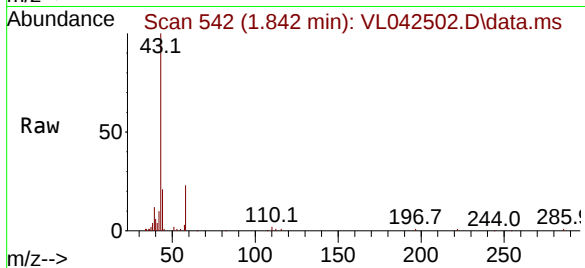
#15  
Acetone  
Concen: 0.639 ppbv  
RT: 1.842 min Scan# 540  
Delta R.T. 0.007 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL2 0.40

Tgt Ion: 43 Resp: 8139  
Ion Ratio Lower Upper  
43 100  
58 30.5 19.8 29.8

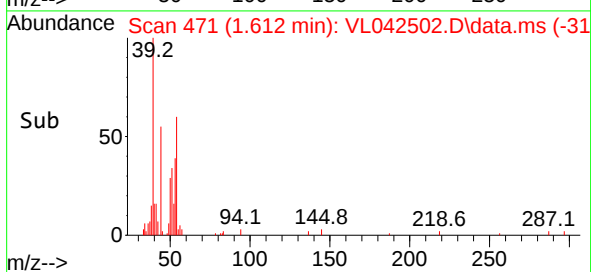
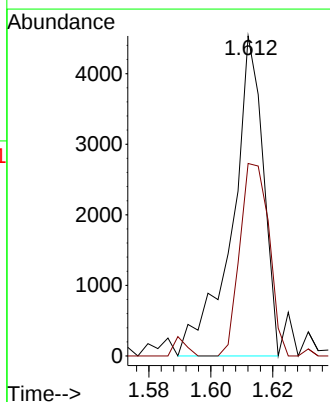
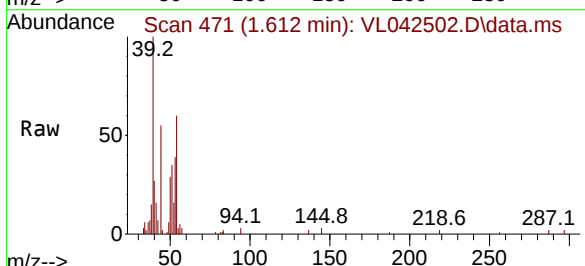
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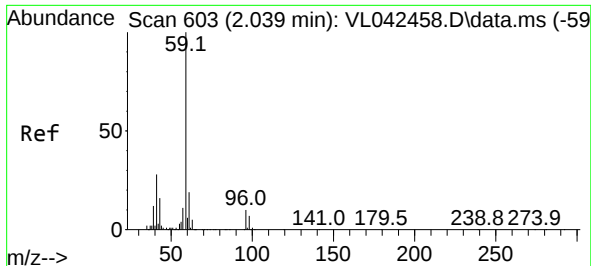
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#16  
1,3-Butadiene  
Concen: 0.563 ppbv  
RT: 1.612 min Scan# 471  
Delta R.T. 0.003 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

Tgt Ion: 39 Resp: 3162  
Ion Ratio Lower Upper  
39 100  
54 59.6 55.2 82.8





#17

tert-Butyl alcohol

Concen: 0.432 ppbv

RT: 2.052 min Scan# 607

Delta R.T. 0.013 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Instrument :

MSVOA\_L

ClientSampleId :

MDL2 0.40

Tgt Ion: 59 Resp: 4840

Ion Ratio Lower Upper

59 100

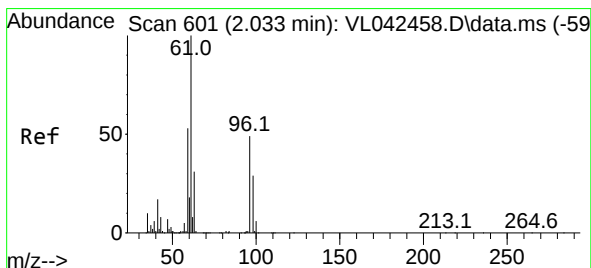
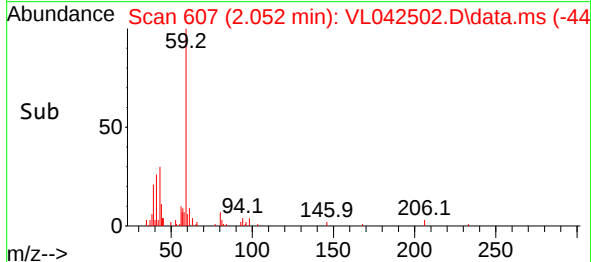
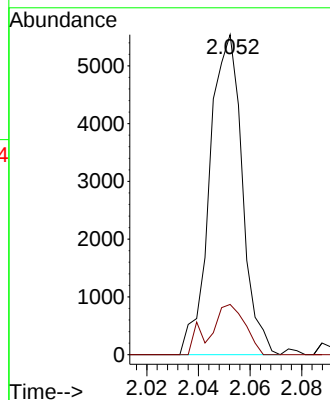
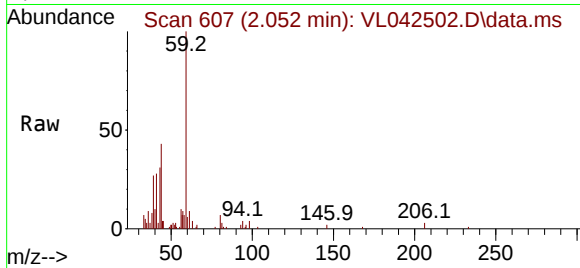
57 17.0 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025

Supervised By :Mahesh Dadoda 05/09/2025



#18

1,1-Dichloroethene

Concen: 0.500 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.007 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

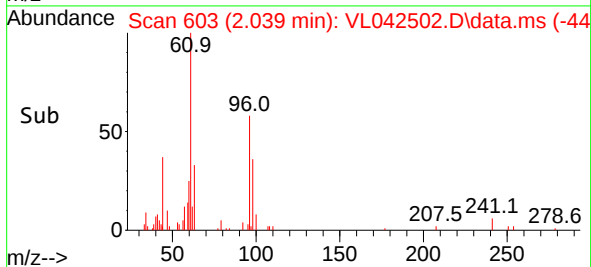
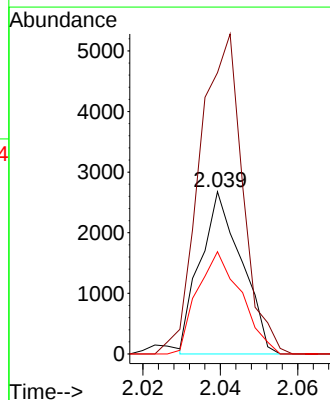
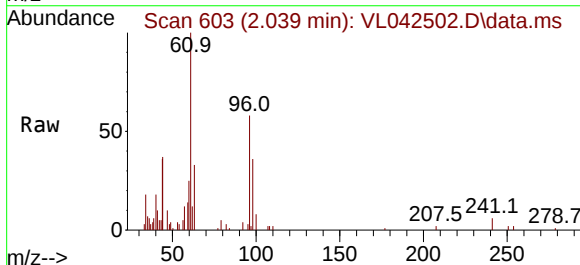
Tgt Ion: 96 Resp: 1985

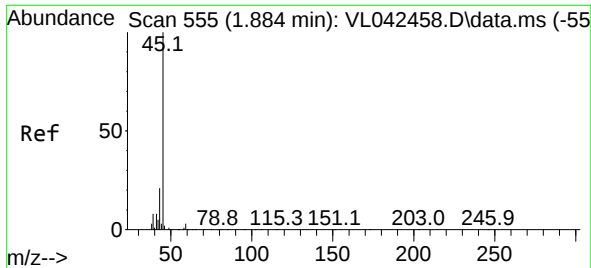
Ion Ratio Lower Upper

96 100

61 191.3 164.9 247.3

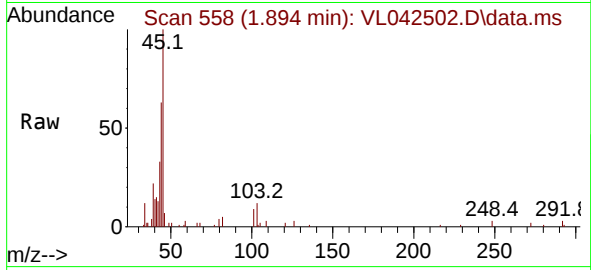
98 63.0 48.2 72.2





#19  
Isopropyl Alcohol  
Concen: 0.570 ppbv  
RT: 1.894 min Scan# 514  
Delta R.T. 0.010 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

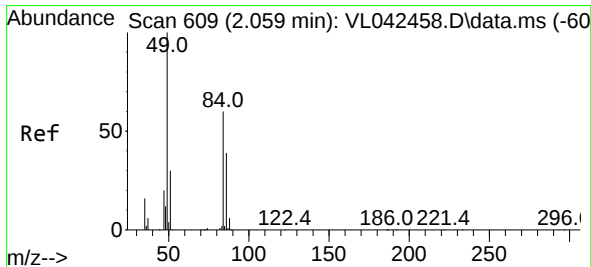
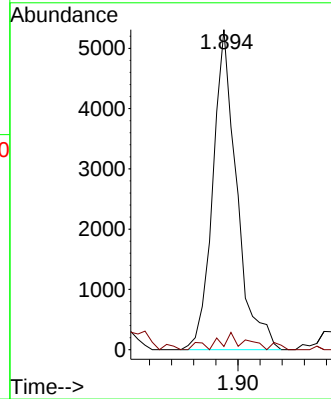
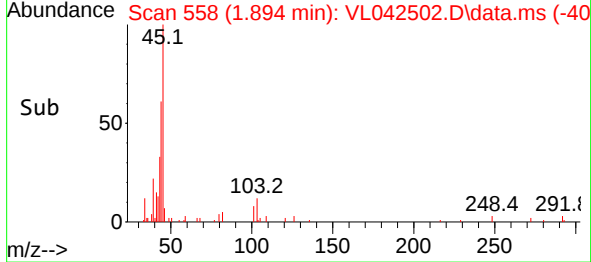
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL2 0.40



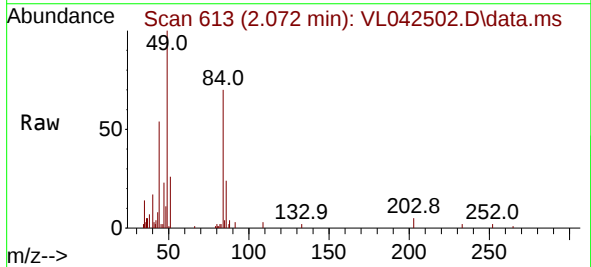
Tgt Ion: 45 Resp: 4014  
Ion Ratio Lower Upper  
45 100  
58 6.9 1.6 2.4

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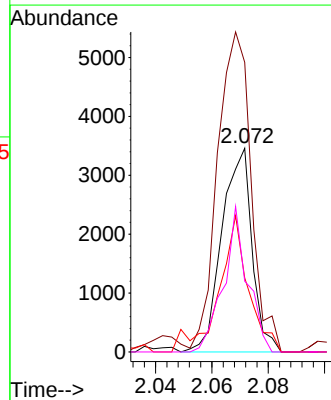
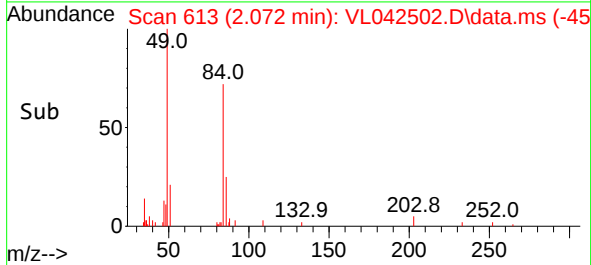
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

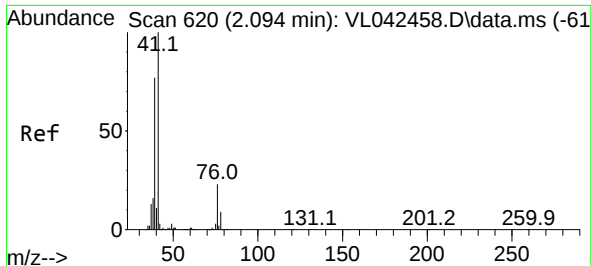


#20  
Methylene Chloride  
Concen: 0.670 ppbv  
RT: 2.072 min Scan# 613  
Delta R.T. 0.013 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07



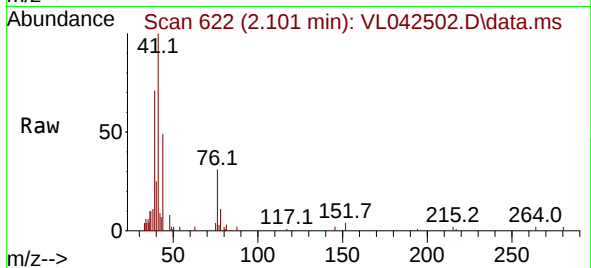
Tgt Ion: 84 Resp: 2565  
Ion Ratio Lower Upper  
84 100  
49 142.2 133.9 200.9  
51 36.4 41.0 61.6#  
86 34.7 51.9 77.9#





#21  
 Allyl Chloride  
 Concen: 0.457 ppbv  
 RT: 2.101 min Scan# 61  
 Delta R.T. 0.007 min  
 Lab File: VL042502.D  
 Acq: 06 May 2025 18:07

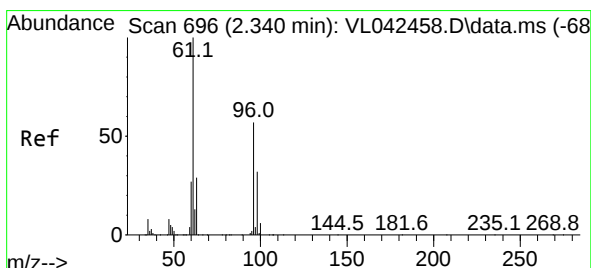
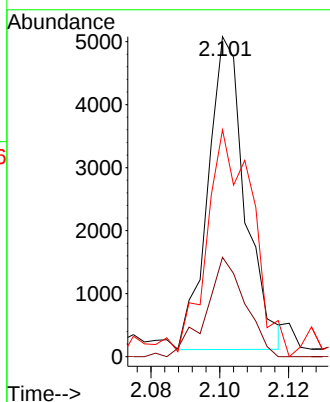
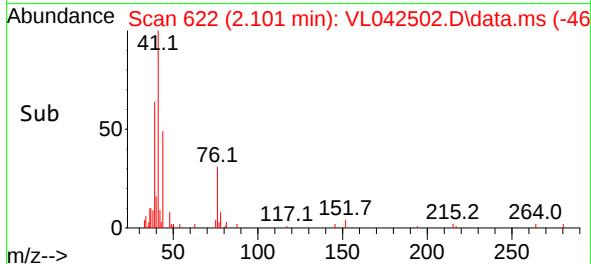
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL2 0.40



Tgt Ion: 41 Resp: 3740  
 Ion Ratio Lower Upper  
 41 100  
 76 33.4 19.6 29.4  
 39 96.1 61.0 91.4

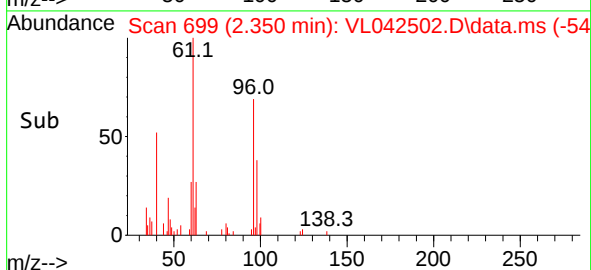
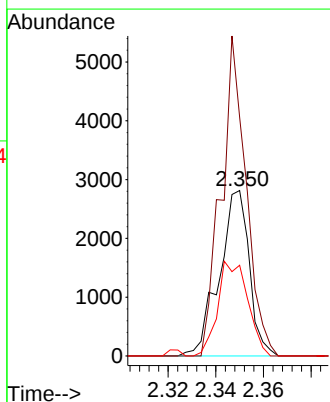
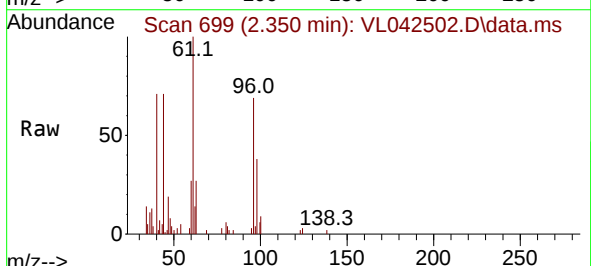
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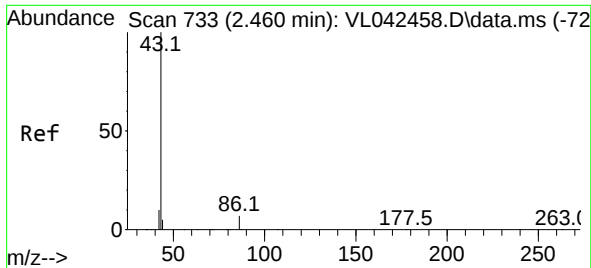
Reviewed By :Semsettin Yesilyurt 05/07/2025  
 Supervised By :Mahesh Dadoda 05/09/2025



#22  
 trans-1,2-Dichloroethene  
 Concen: 0.532 ppbv  
 RT: 2.350 min Scan# 699  
 Delta R.T. 0.010 min  
 Lab File: VL042502.D  
 Acq: 06 May 2025 18:07

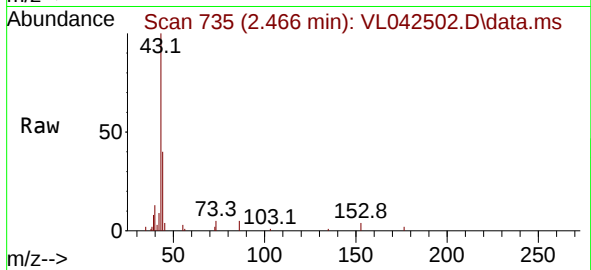
Tgt Ion: 96 Resp: 2466  
 Ion Ratio Lower Upper  
 96 100  
 61 144.3 141.8 212.6  
 98 54.8 45.0 67.6





#23  
 Vinyl Acetate  
 Concen: 0.420 ppbv m  
 RT: 2.466 min Scan# 719  
 Delta R.T. 0.007 min  
 Lab File: VL042502.D  
 Acq: 06 May 2025 18:07

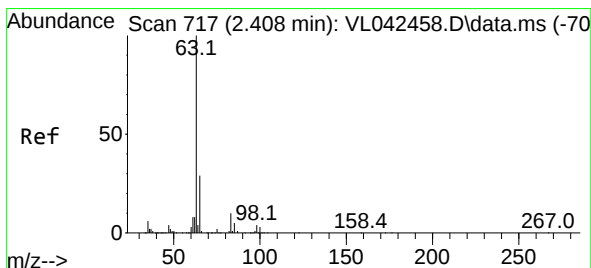
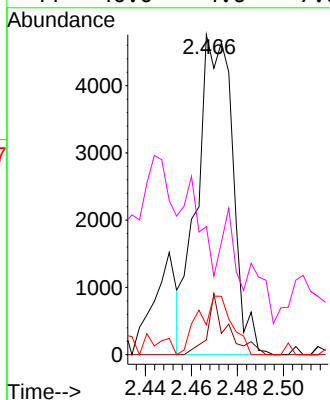
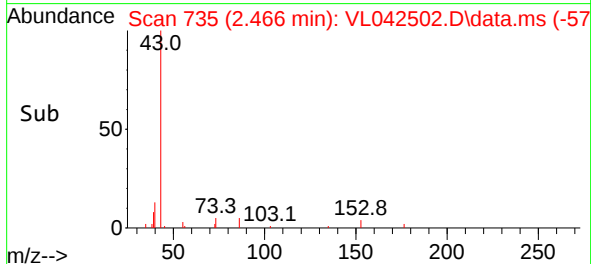
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL2 0.40



Tgt Ion: 43 Resp: 5100  
 Ion Ratio Lower Upper  
 43 100  
 86 4.6 5.5 8.3#  
 42 9.3 8.3 12.5#  
 44 40.0 4.6 7.0#

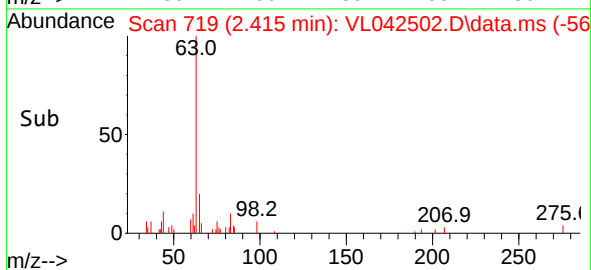
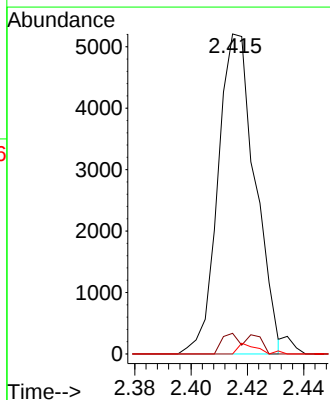
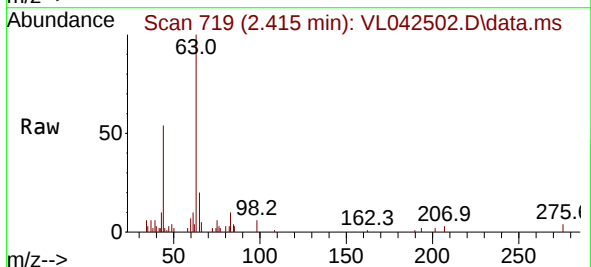
Manual Integrations  
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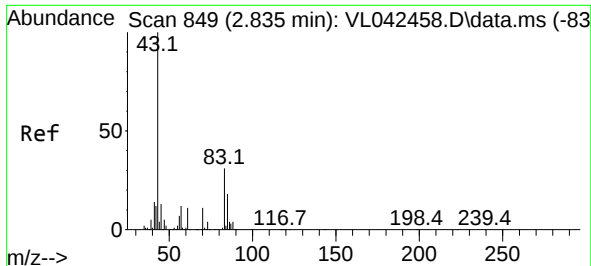
Reviewed By :Semsettin Yesilyurt 05/07/2025  
 Supervised By :Mahesh Dadoda 05/09/2025



#24  
 1,1-Dichloroethane  
 Concen: 0.503 ppbv  
 RT: 2.415 min Scan# 719  
 Delta R.T. 0.007 min  
 Lab File: VL042502.D  
 Acq: 06 May 2025 18:07

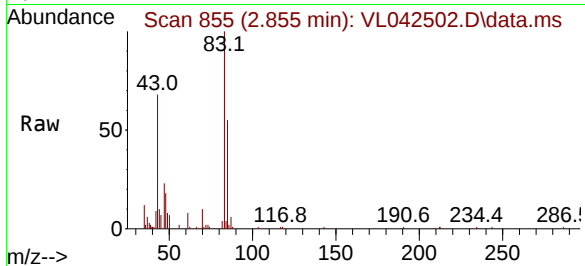
Tgt Ion: 63 Resp: 4763  
 Ion Ratio Lower Upper  
 63 100  
 98 6.4 1.8 5.5#  
 100 0.0 1.4 4.2#





#25  
Ethyl Acetate  
Concen: 0.376 ppbv m  
RT: 2.855 min Scan# 849  
Delta R.T. 0.019 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

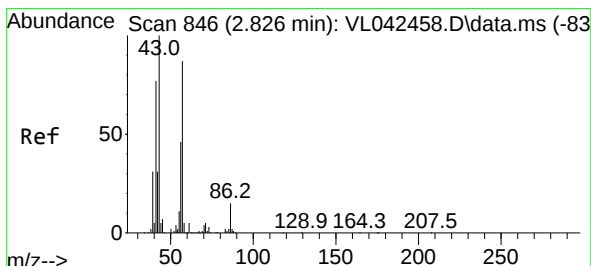
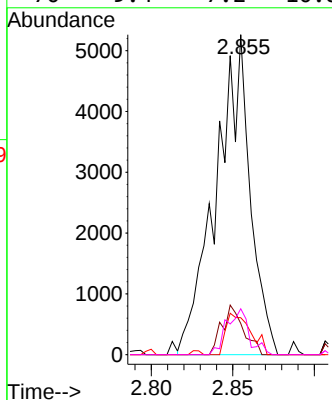
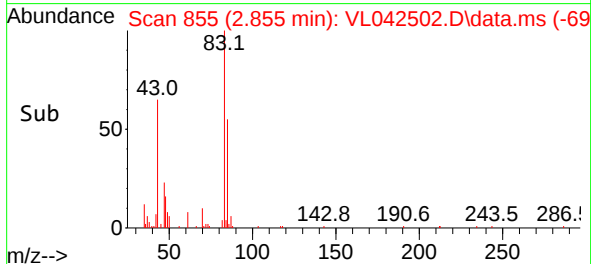
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL2 0.40



Tgt Ion: 43 Resp: 7674  
Ion Ratio Lower Upper  
43 100  
45 9.7 7.8 11.6  
61 9.3 7.2 10.8  
70 9.4 7.2 10.8

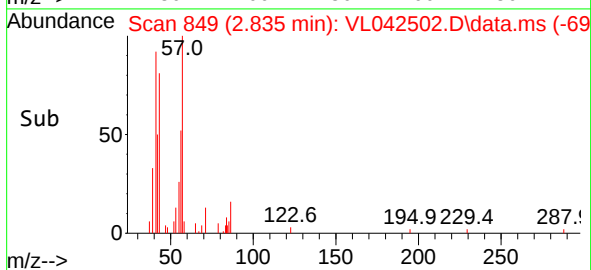
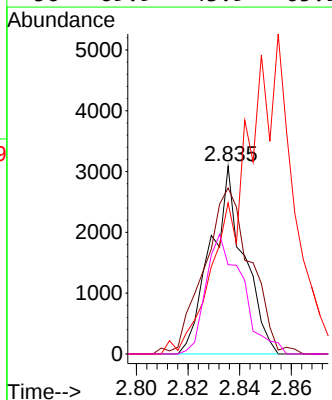
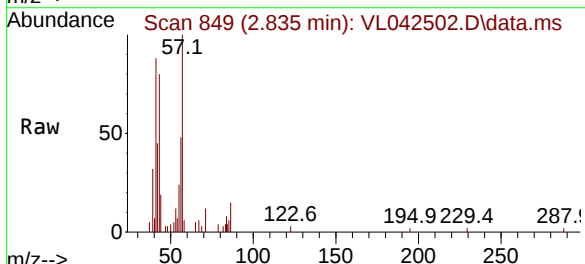
Manual Integrations  
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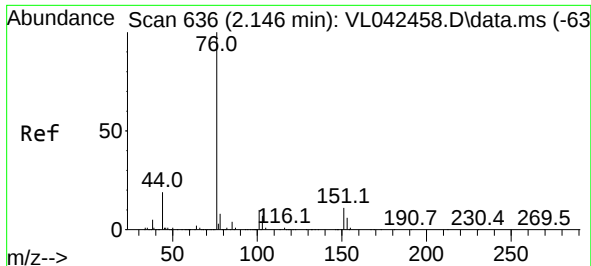
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#26  
Hexane  
Concen: 0.311 ppbv  
RT: 2.835 min Scan# 849  
Delta R.T. 0.010 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

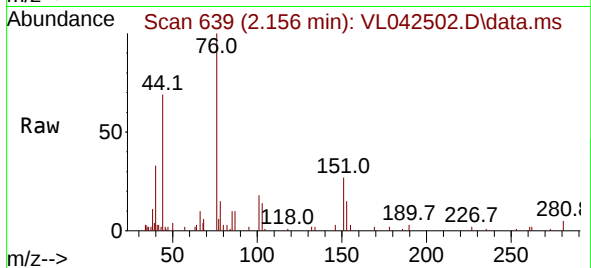
Tgt Ion: 57 Resp: 2762  
Ion Ratio Lower Upper  
57 100  
41 123.1 77.8 116.8#  
43 281.7 187.0 280.6#  
56 69.9 43.9 65.9#





#27  
Carbon Disulfide  
Concen: 0.441 ppbv  
RT: 2.156 min Scan# 611  
Delta R.T. 0.010 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

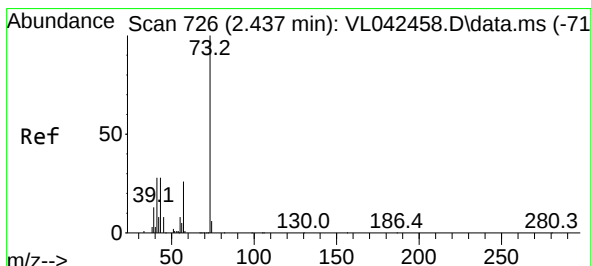
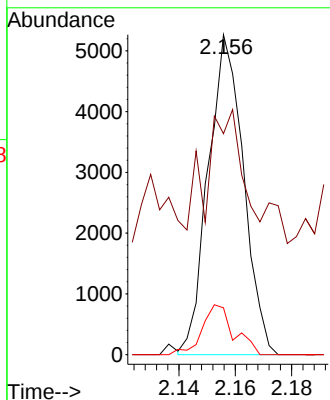
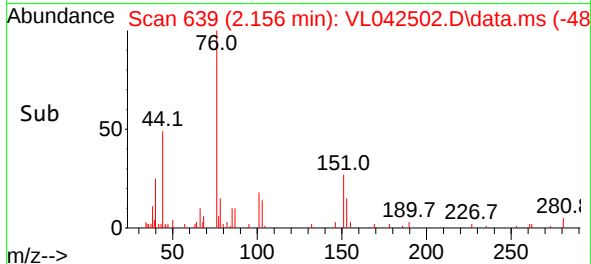
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL2 0.40



Tgt Ion: 76 Resp: 4570  
Ion Ratio Lower Upper  
76 100  
44 71.3 21.0 31.6  
78 14.0 8.6 13.0

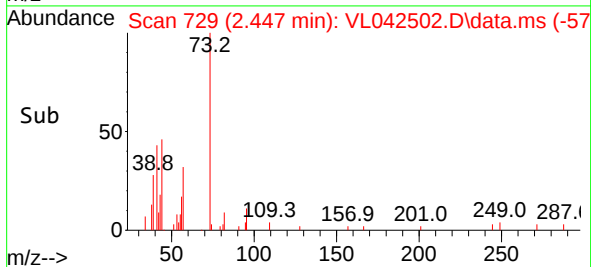
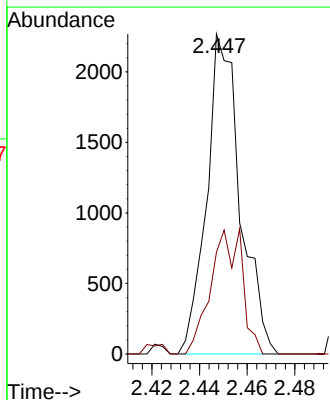
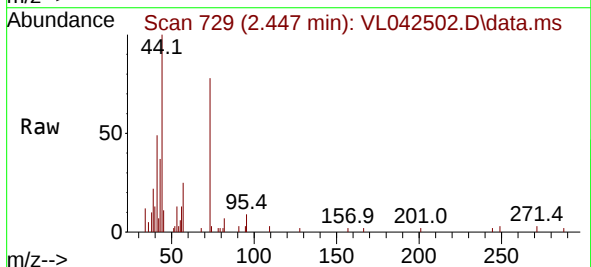
Manual Integrations  
APPROVED

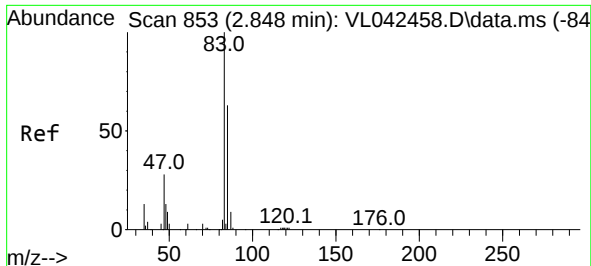
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#28  
Methyl tert-Butyl Ether  
Concen: 0.416 ppbv  
RT: 2.447 min Scan# 729  
Delta R.T. 0.010 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

Tgt Ion: 73 Resp: 2220  
Ion Ratio Lower Upper  
73 100  
57 38.1 19.9 29.9





#29

Chloroform

Concen: 0.484 ppbv

RT: 2.855 min Scan# 806

Delta R.T. 0.007 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Instrument :

MSVOA\_L

ClientSampleId :

MDL2 0.40

Tgt Ion: 83 Resp: 806

Ion Ratio Lower Upper

83 100

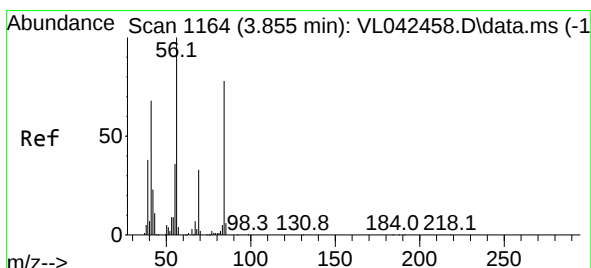
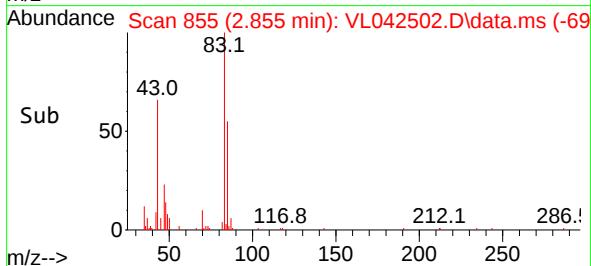
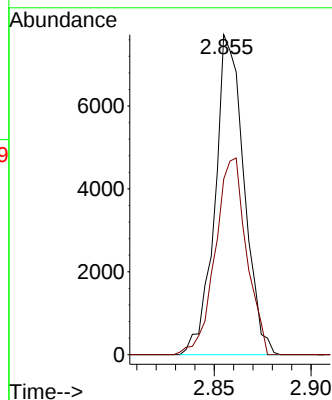
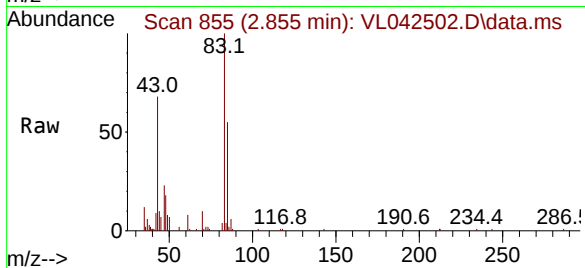
85 54.9 50.4 75.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025

Supervised By :Mahesh Dadoda 05/09/2025



#30

Cyclohexane

Concen: 0.300 ppbv m

RT: 3.865 min Scan# 1167

Delta R.T. 0.010 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

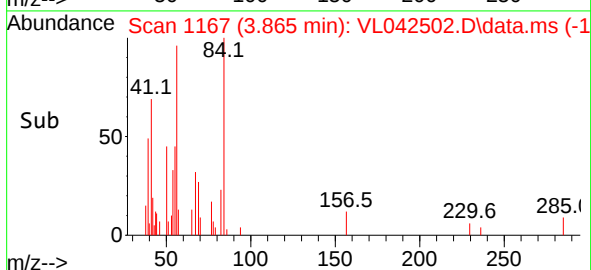
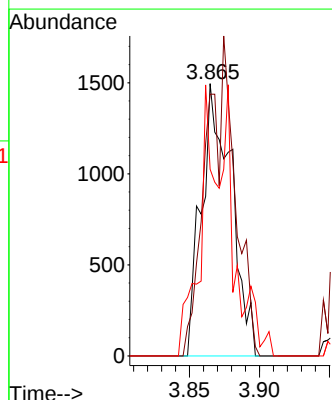
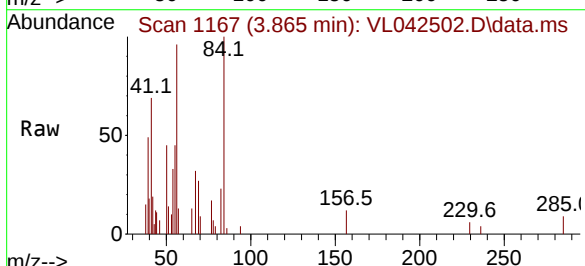
Tgt Ion: 84 Resp: 2225

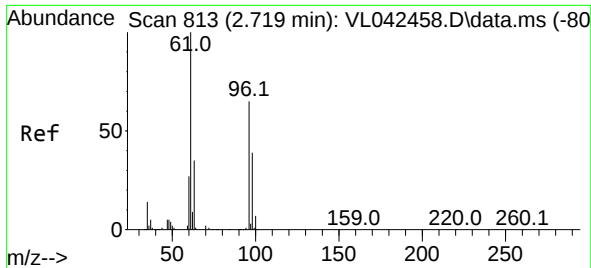
Ion Ratio Lower Upper

84 100

56 113.8 98.1 147.1

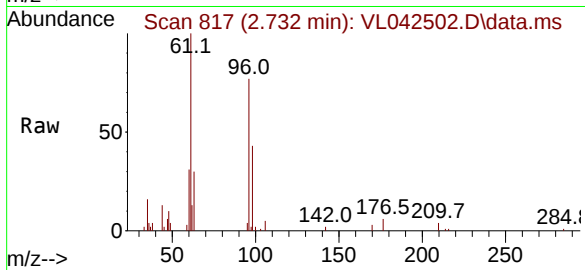
41 95.9 65.8 98.8





#31  
 cis-1,2-Dichloroethene  
 Concen: 0.373 ppbv  
 RT: 2.732 min Scan# 813  
 Delta R.T. 0.013 min  
 Lab File: VL042502.D  
 Acq: 06 May 2025 18:07

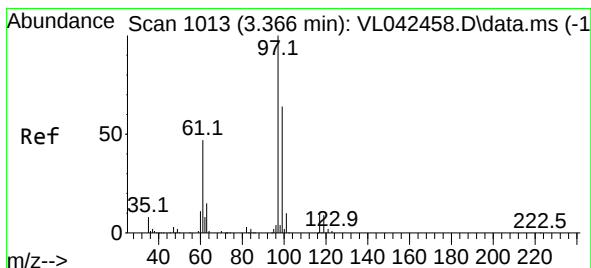
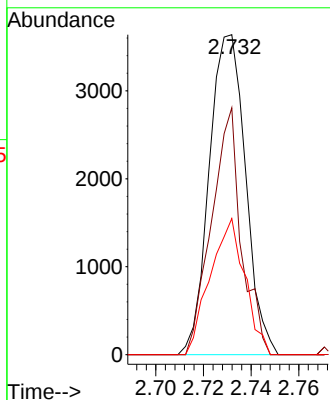
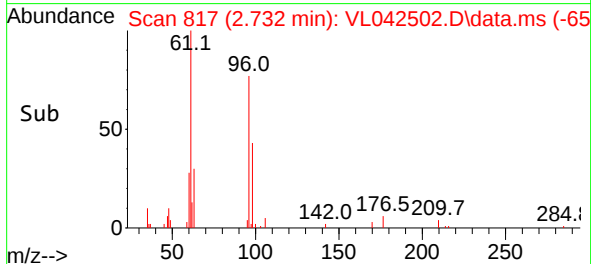
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL2 0.40



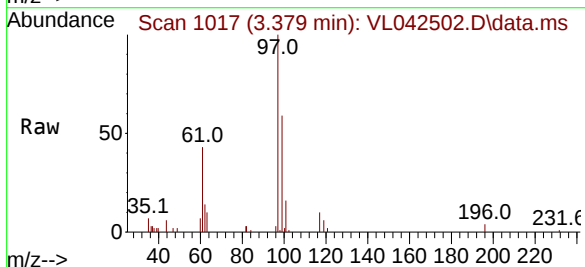
Tgt Ion: 61 Resp: 3862  
 Ion Ratio Lower Upper  
 61 100  
 96 68.0 52.0 78.0  
 98 37.5 31.0 46.6

Manual Integrations  
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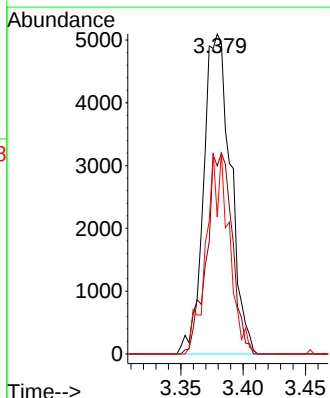
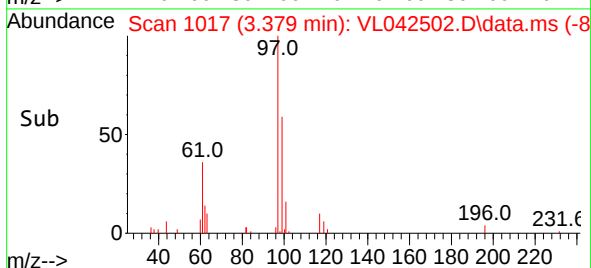
Reviewed By :Semsettin Yesilyurt 05/07/2025  
 Supervised By :Mahesh Dadoda 05/09/2025

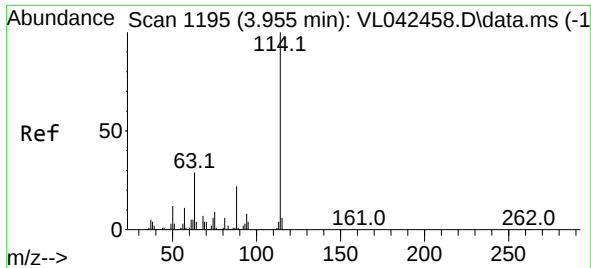


#32  
 1,1,1-Trichloroethane  
 Concen: 0.424 ppbv m  
 RT: 3.379 min Scan# 1017  
 Delta R.T. 0.013 min  
 Lab File: VL042502.D  
 Acq: 06 May 2025 18:07



Tgt Ion: 97 Resp: 7649  
 Ion Ratio Lower Upper  
 97 100  
 99 59.7 50.7 76.1  
 61 53.6 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 1195

Delta R.T. 0.019 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Instrument :

MSVOA\_L

ClientSampleId :

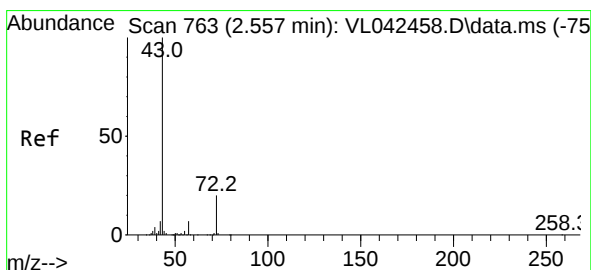
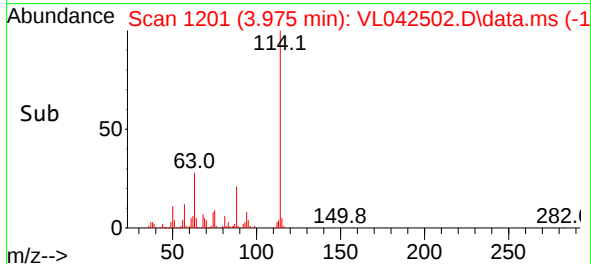
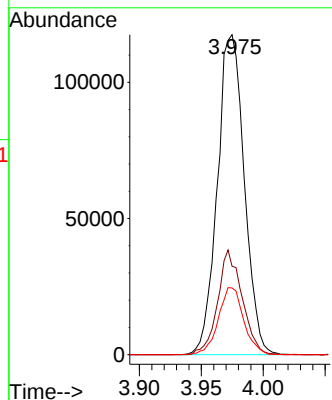
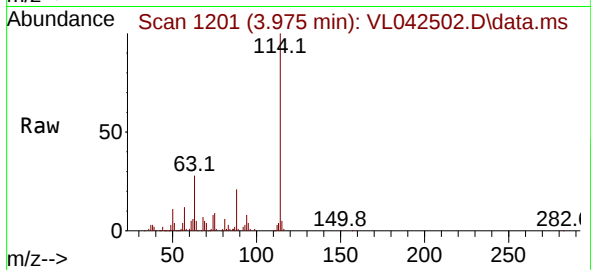
MDL2 0.40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 114   | Resp: | 17851 |
| Ion Ratio | Lower | Upper |       |
| 114       | 100   |       |       |
| 63        | 29.5  | 23.1  | 34.7  |
| 88        | 19.8  | 16.1  | 24.1  |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#34

2-Butanone

Concen: 0.421 ppbv

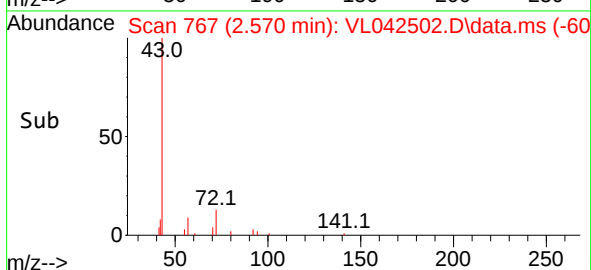
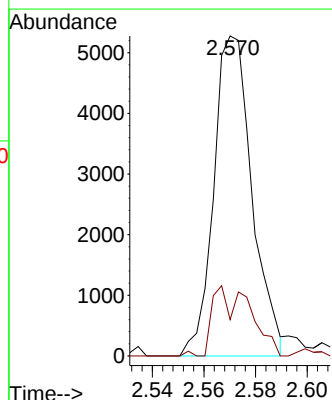
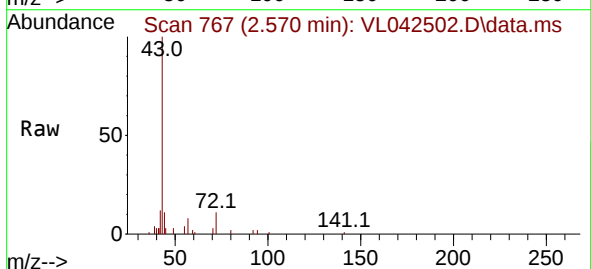
RT: 2.570 min Scan# 767

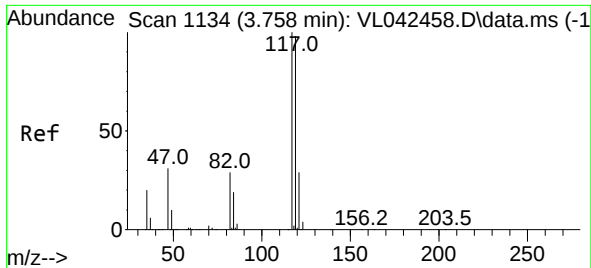
Delta R.T. 0.013 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

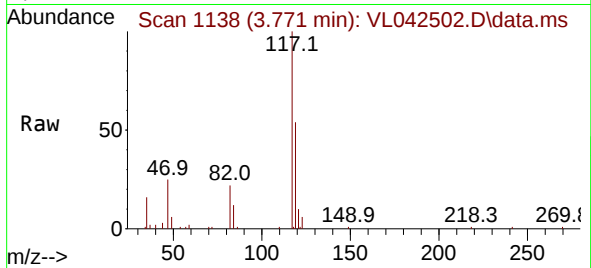
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 43    | Resp: | 5435 |
| Ion Ratio | Lower | Upper |      |
| 43        | 100   |       |      |
| 72        | 22.9  | 16.7  | 25.1 |





#35  
Carbon Tetrachloride  
Concen: 0.505 ppbv  
RT: 3.771 min Scan# 1138  
Delta R.T. 0.013 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

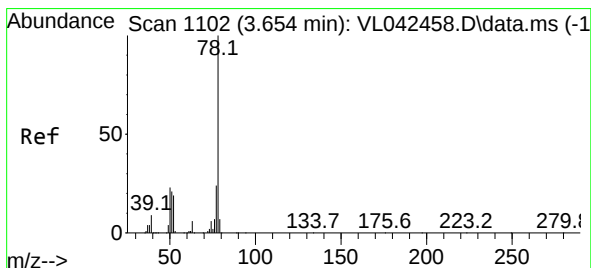
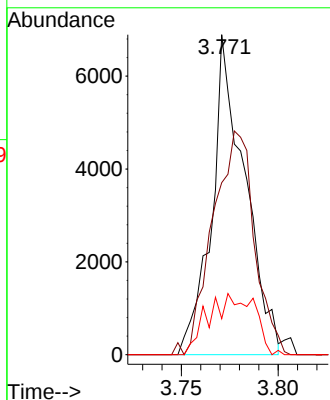
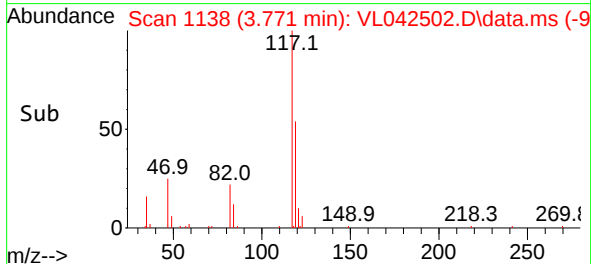
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL2 0.40



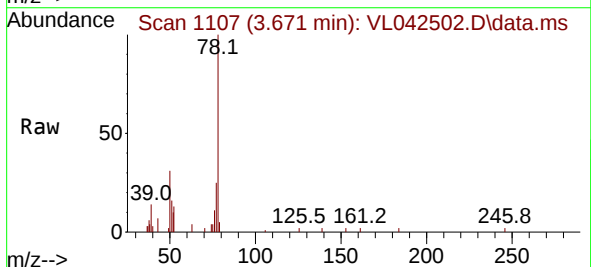
Tgt Ion: 117 Resp: 8190  
Ion Ratio Lower Upper  
117 100  
119 50.0 78.1 117.1  
121 11.2 23.0 34.6

Manual Integrations  
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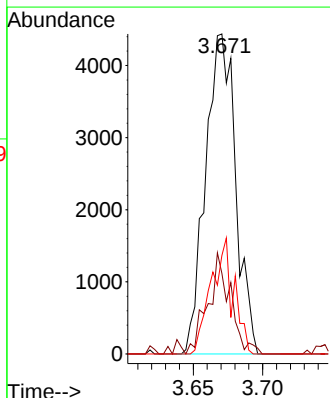
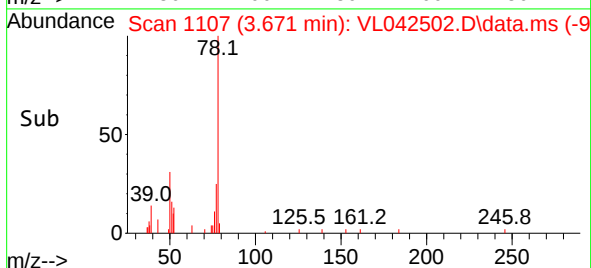
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

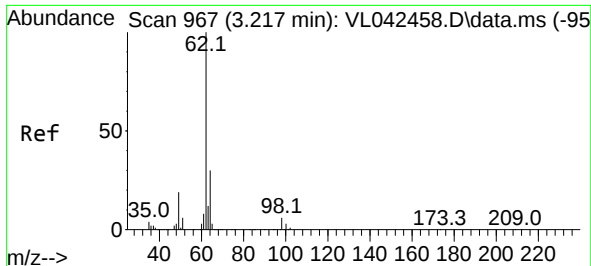


#36  
Benzene  
Concen: 0.397 ppbv m  
RT: 3.671 min Scan# 1107  
Delta R.T. 0.016 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07



Tgt Ion: 78 Resp: 6695  
Ion Ratio Lower Upper  
78 100  
77 25.2 18.9 28.3  
50 30.8 18.4 27.6





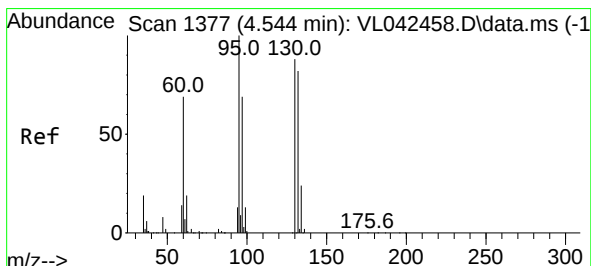
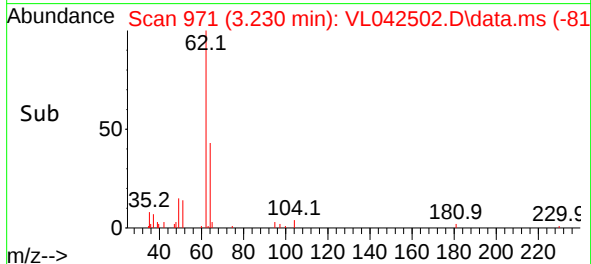
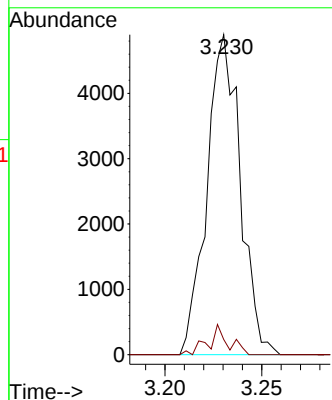
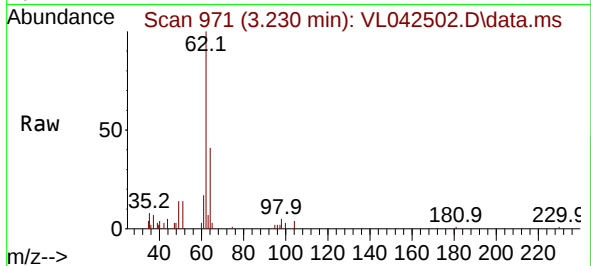
#37  
1,2-Dichloroethane  
Concen: 0.453 ppbv  
RT: 3.230 min Scan# 91  
Delta R.T. 0.013 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL2 0.40

Tgt Ion: 62 Resp: 587  
Ion Ratio Lower Upper  
62 100  
98 5.4 4.3 6.5

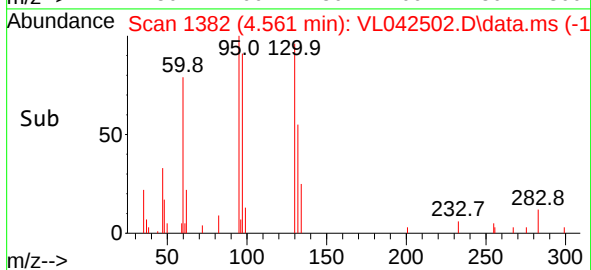
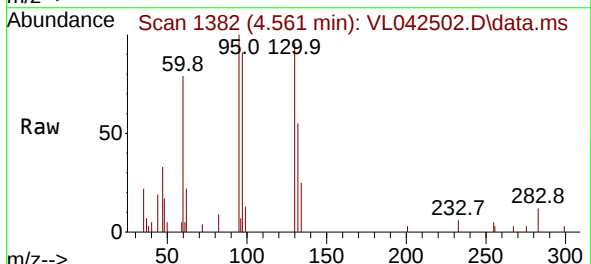
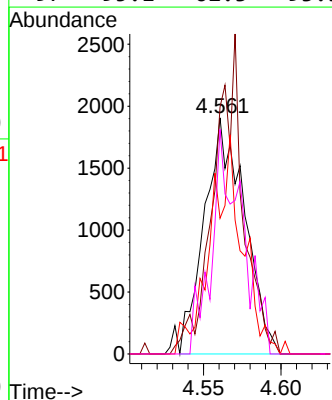
Manual Integrations  
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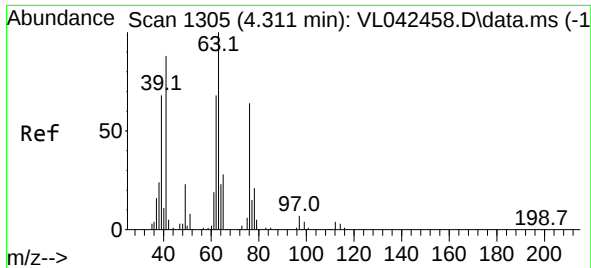
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#38  
Trichloroethene  
Concen: 0.536 ppbv  
RT: 4.561 min Scan# 1382  
Delta R.T. 0.016 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

Tgt Ion:130 Resp: 3444  
Ion Ratio Lower Upper  
130 100  
95 104.5 91.0 136.4  
132 57.4 74.2 111.4#  
97 95.1 62.3 93.5#





#39

1,2-Dichloropropane

Concen: 0.543 ppbv m

RT: 4.328 min Scan# 11

Delta R.T. 0.016 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Instrument :

MSVOA\_L

ClientSampleId :

MDL2 0.40

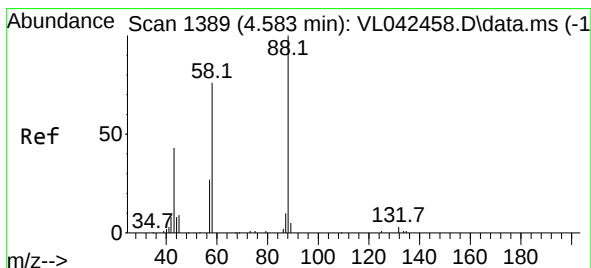
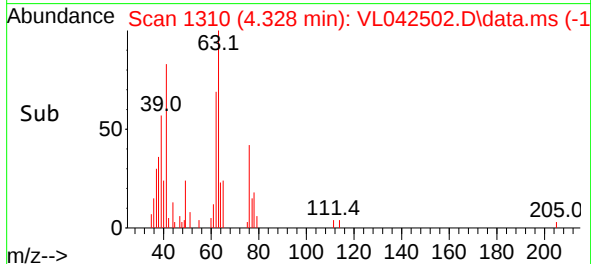
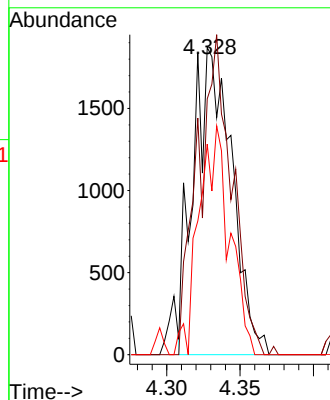
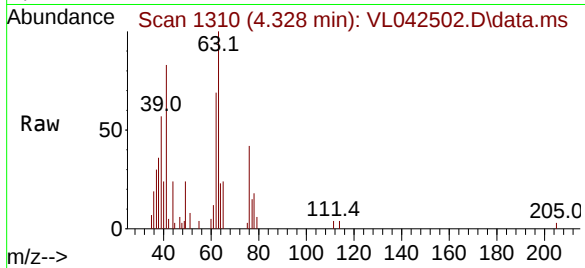
|             |                 |
|-------------|-----------------|
| Tgt Ion: 63 | Resp: 342       |
| Ion Ratio   | Lower Upper     |
| 63          | 100             |
| 41          | 83.3 69.8 104.6 |
| 62          | 68.6 54.3 81.5  |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2025

Supervised By :Mahesh Dadoda 05/09/2025



#40

1,4-Dioxane

Concen: 0.355 ppbv m

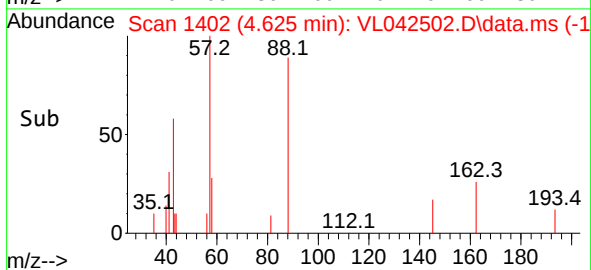
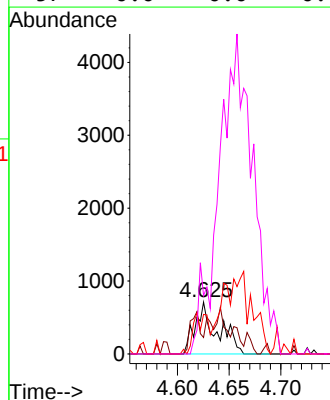
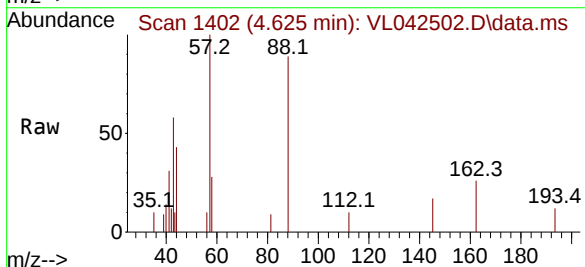
RT: 4.625 min Scan# 1402

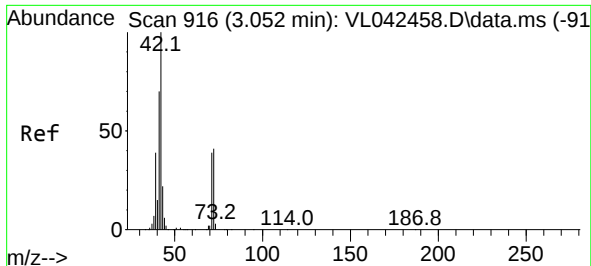
Delta R.T. 0.042 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

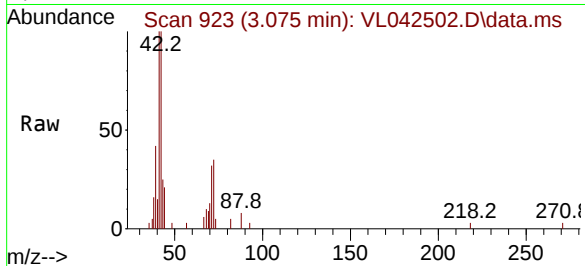
|             |                |
|-------------|----------------|
| Tgt Ion: 88 | Resp: 1049     |
| Ion Ratio   | Lower Upper    |
| 88          | 100            |
| 58          | 132.2 0.0 0.0# |
| 43          | 0.0 0.0 0.0    |
| 57          | 0.0 0.0 0.0    |





#41  
Tetrahydrofuran  
Concen: 0.328 ppbv m  
RT: 3.075 min Scan# 916  
Delta R.T. 0.023 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

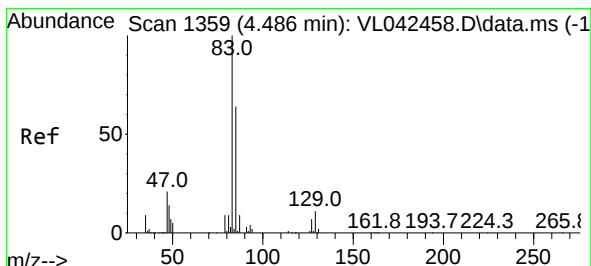
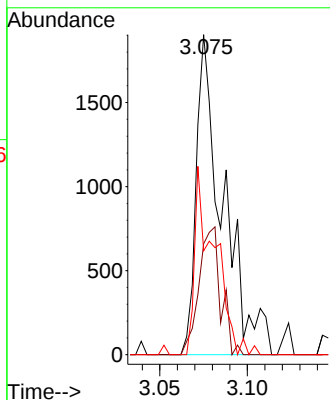
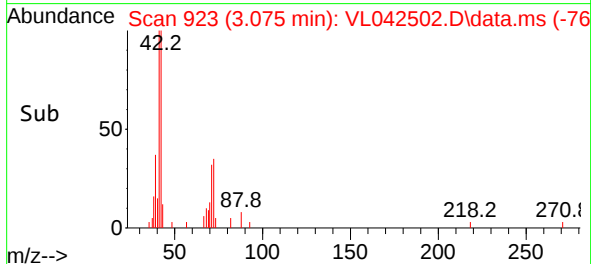
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL2 0.40



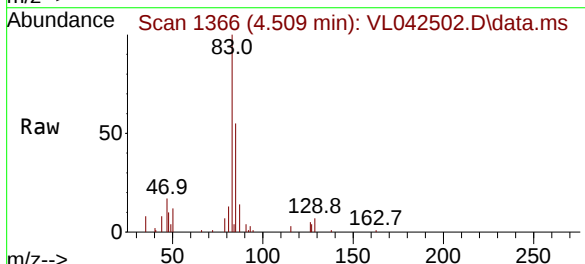
Tgt Ion: 42 Resp: 2014  
Ion Ratio Lower Upper  
42 100  
72 0.0 33.5 50.3  
71 44.6 32.6 49.0

Manual Integrations  
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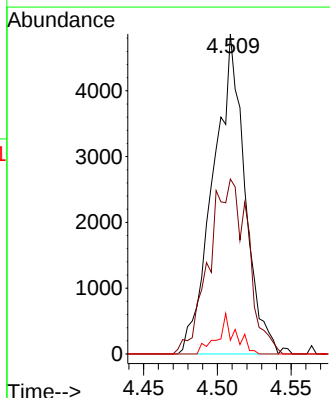
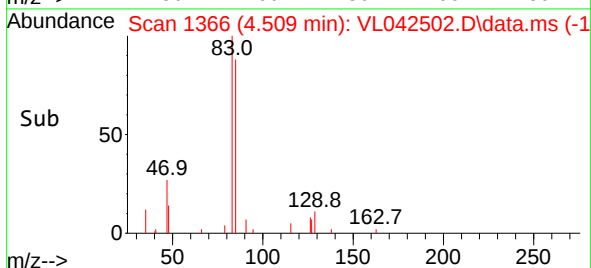
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

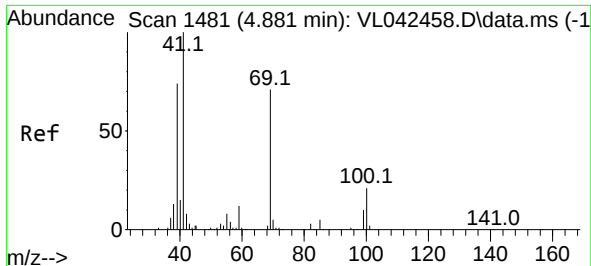


#42  
Bromodichloromethane  
Concen: 0.455 ppbv  
RT: 4.509 min Scan# 1366  
Delta R.T. 0.023 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07



Tgt Ion: 83 Resp: 7218  
Ion Ratio Lower Upper  
83 100  
85 53.3 51.5 77.3  
127 4.3 5.4 8.2#





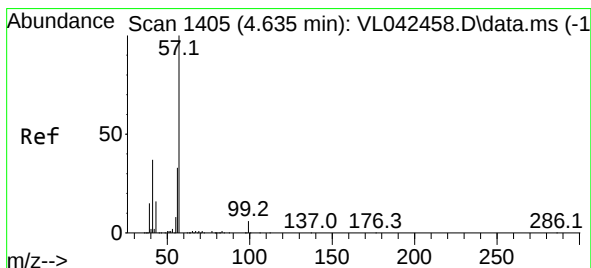
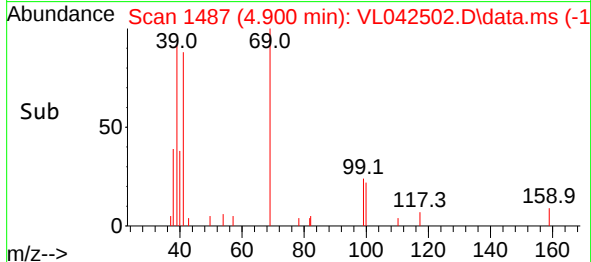
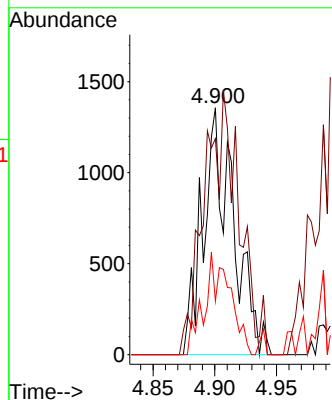
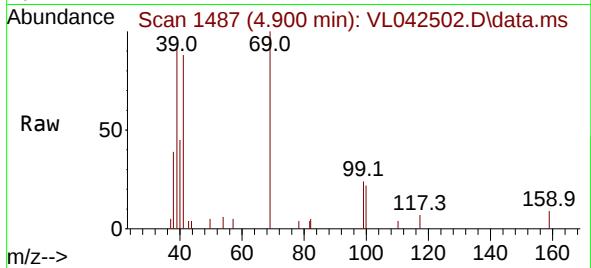
#43  
Methyl Methacrylate  
Concen: 0.370 ppbv m  
RT: 4.900 min Scan# 1412  
Delta R.T. 0.019 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL2 0.40

Tgt Ion: 69 Resp: 232  
Ion Ratio Lower Upper  
69 100  
41 121.7 120.8 181.2  
100 0.0 26.7 40.1

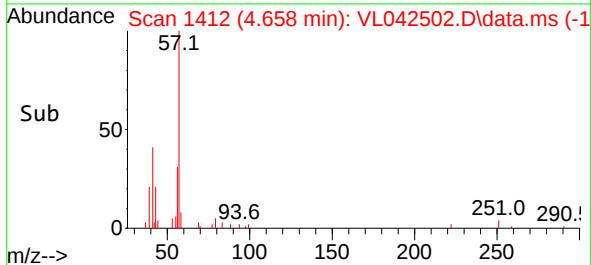
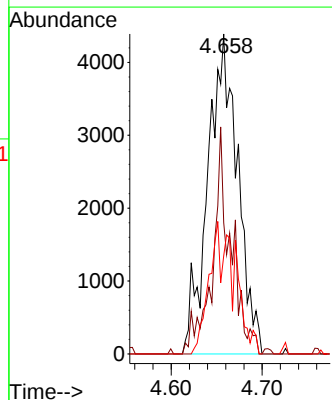
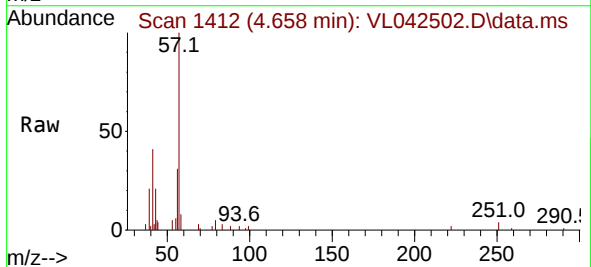
Manual Integrations  
APPROVED

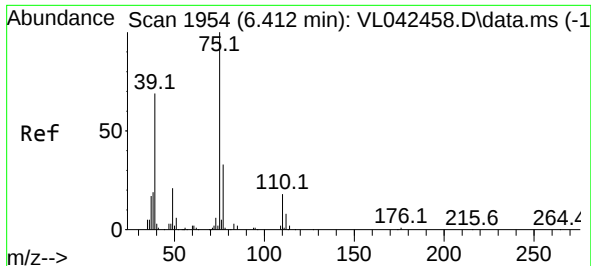
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#44  
2,2,4-Trimethylpentane  
Concen: 0.366 ppbv m  
RT: 4.658 min Scan# 1412  
Delta R.T. 0.023 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

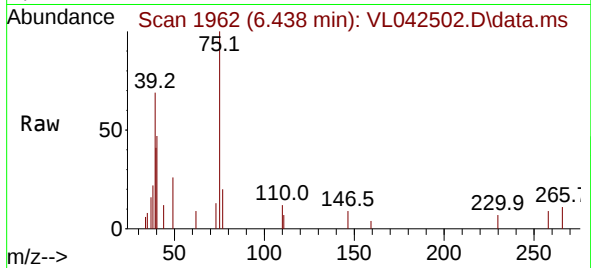
Tgt Ion: 57 Resp: 9990  
Ion Ratio Lower Upper  
57 100  
41 43.6 30.6 45.8  
56 35.8 25.0 37.6





#45  
t-1,3-Dichloropropene  
Concen: 0.299 ppbv m  
RT: 6.438 min Scan# 1954  
Delta R.T. 0.026 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

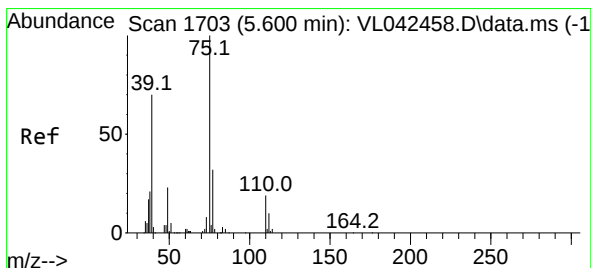
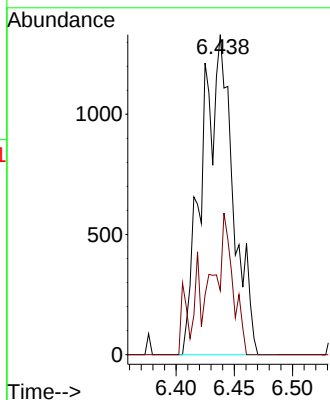
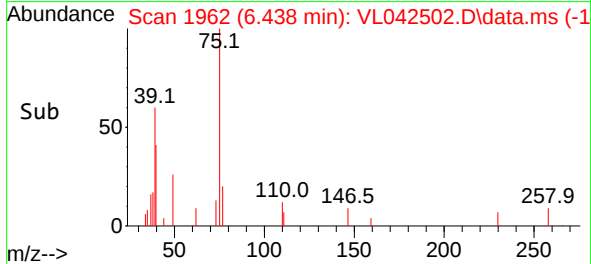
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL2 0.40



Tgt Ion: 75 Resp: 246  
Ion Ratio Lower Upper  
75 100  
77 20.1 26.3 39.5

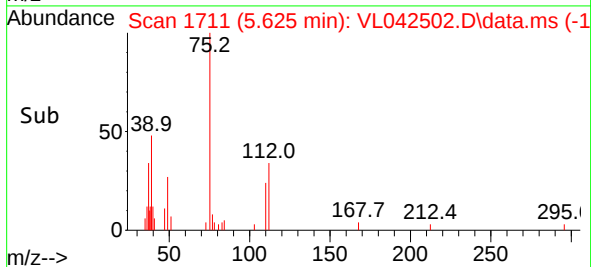
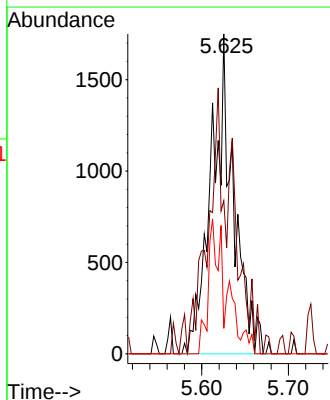
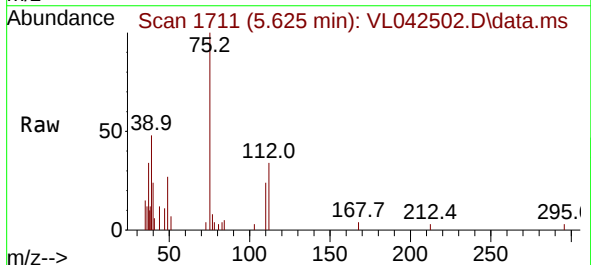
Manual Integrations  
APPROVED

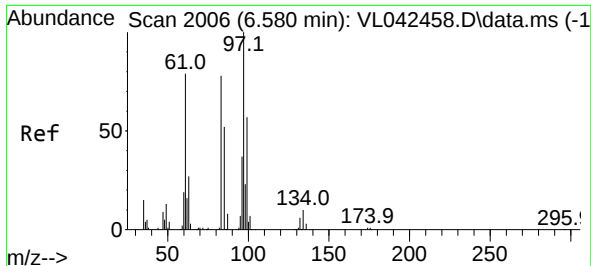
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#46  
cis-1,3-Dichloropropene  
Concen: 0.318 ppbv m  
RT: 5.625 min Scan# 1711  
Delta R.T. 0.026 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

Tgt Ion: 75 Resp: 3119  
Ion Ratio Lower Upper  
75 100  
39 47.9 55.7 83.5#  
77 8.0 25.8 38.8#





#47

1,1,2-Trichloroethane

Concen: 0.519 ppbv m

RT: 6.600 min Scan# 2006

Delta R.T. 0.019 min

Lab File: VL042502.D

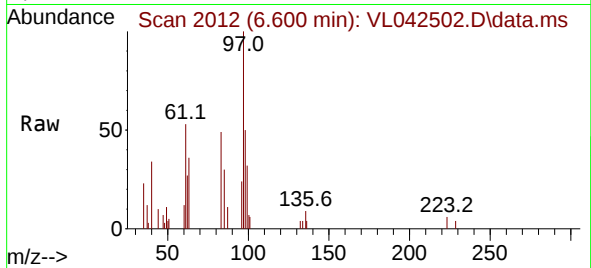
Acq: 06 May 2025 18:07

Instrument :

MSVOA\_L

ClientSampleId :

MDL2 0.40



Tgt Ion: 97 Resp: 358

Ion Ratio Lower Upper

97 100

83 49.3 62.2 93.2

85 30.1 41.5 62.3

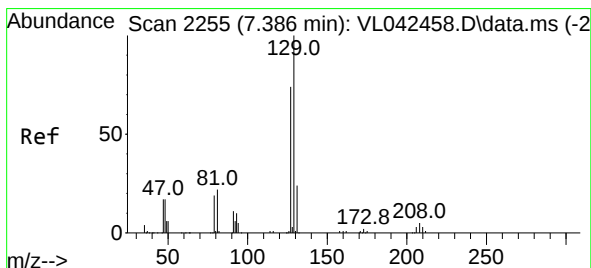
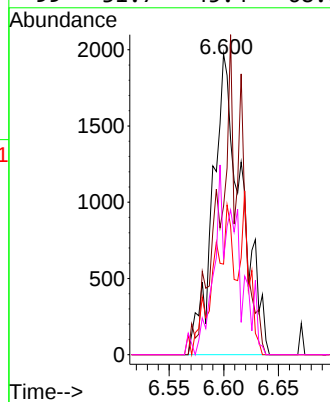
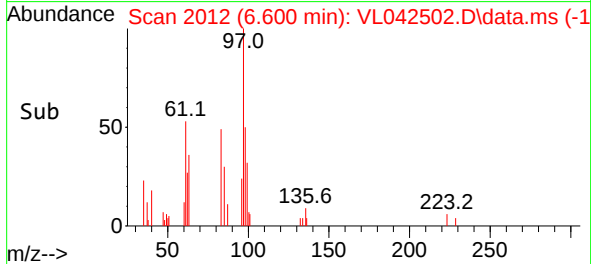
99 31.7 45.4 68.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025

Supervised By :Mahesh Dadoda 05/09/2025



#48

Dibromochloromethane

Concen: 0.454 ppbv m

RT: 7.415 min Scan# 2264

Delta R.T. 0.029 min

Lab File: VL042502.D

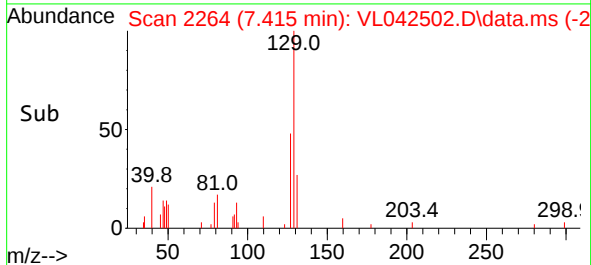
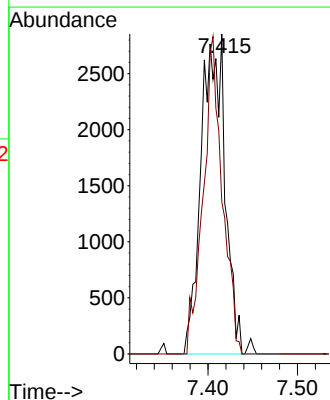
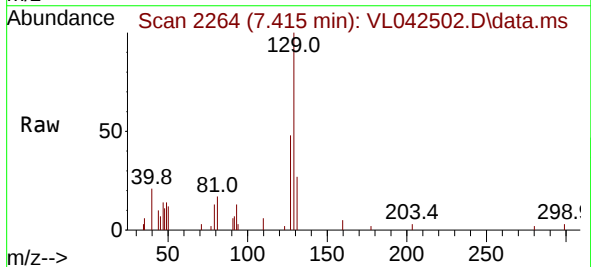
Acq: 06 May 2025 18:07

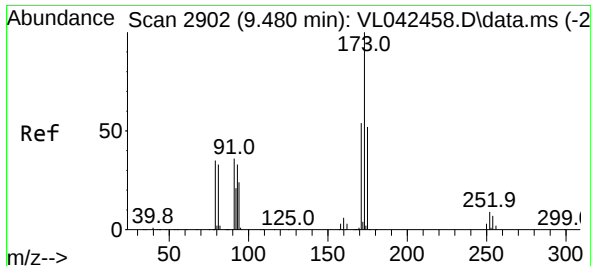
Tgt Ion:129 Resp: 5306

Ion Ratio Lower Upper

129 100

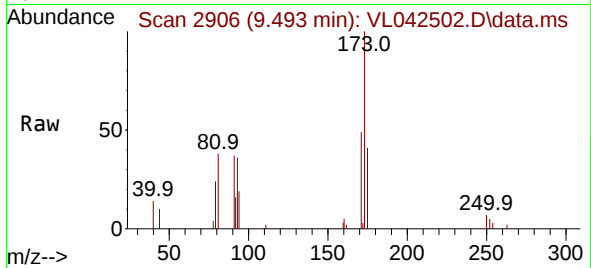
127 79.4 39.5 118.5





#49  
Bromoform  
Concen: 0.380 ppbv  
RT: 9.493 min Scan# 2902  
Delta R.T. 0.013 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

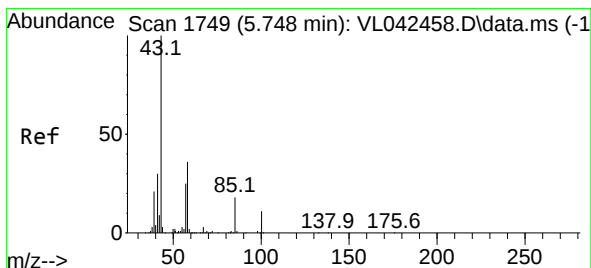
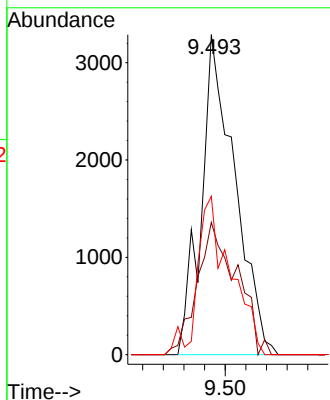
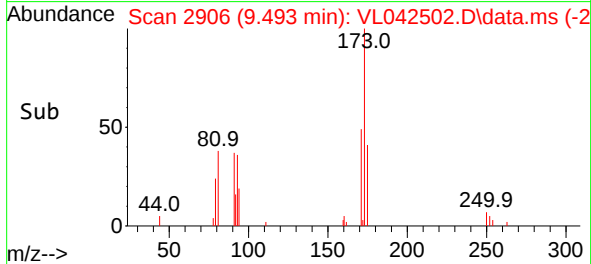
Instrument : MSVOA\_L  
ClientSampleId : MDL2 0.40



Tgt Ion: 173 Resp: 372  
Ion Ratio Lower Upper  
173 100  
175 48.3 38.9 58.3  
171 48.3 40.6 60.8

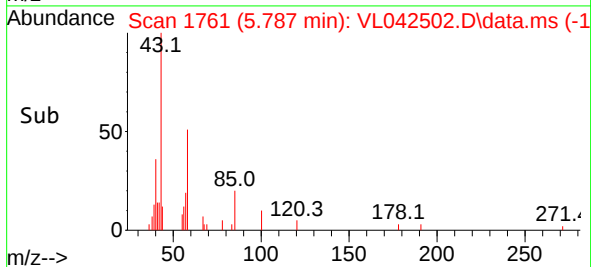
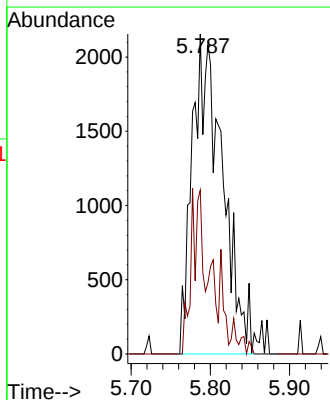
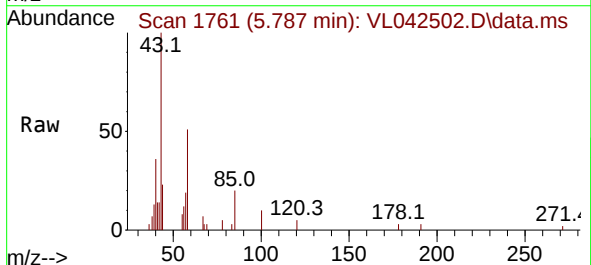
Manual Integrations  
APPROVED

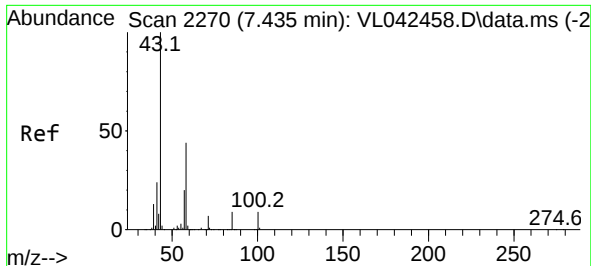
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#50  
4-Methyl-2-Pentanone  
Concen: 0.355 ppbv m  
RT: 5.787 min Scan# 1761  
Delta R.T. 0.039 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

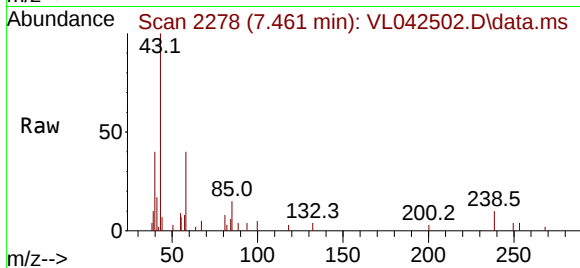
Tgt Ion: 43 Resp: 5800  
Ion Ratio Lower Upper  
43 100  
58 33.7 29.5 44.3





#51  
2-Hexanone  
Concen: 0.297 ppbv m  
RT: 7.461 min Scan# 21  
Delta R.T. 0.026 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

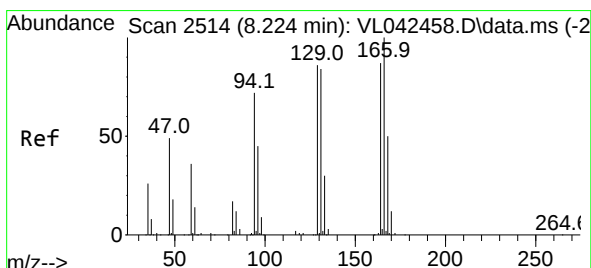
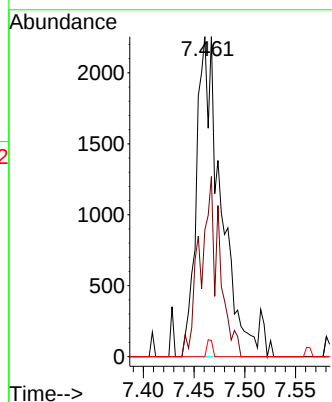
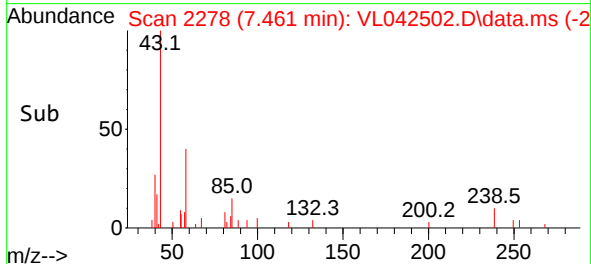
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL2 0.40



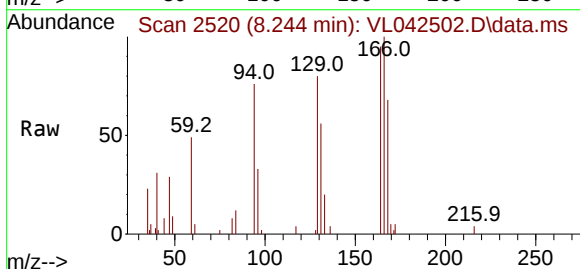
Tgt Ion: 43 Resp: 3878  
Ion Ratio Lower Upper  
43 100  
58 0.0 37.2 55.8  
98 0.0 0.4 0.6

Manual Integrations  
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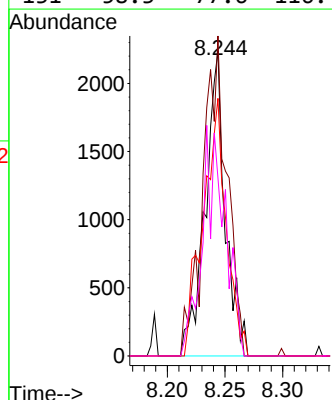
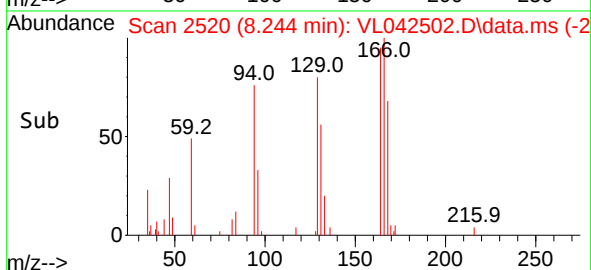
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

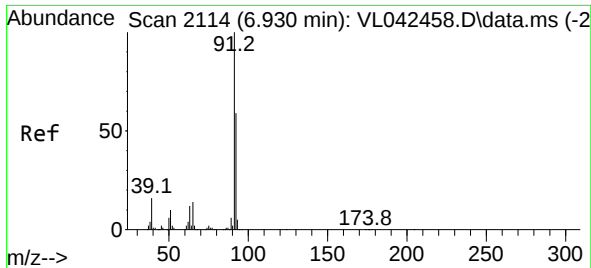


#52  
Tetrachloroethene  
Concen: 0.425 ppbv m  
RT: 8.244 min Scan# 2520  
Delta R.T. 0.019 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07



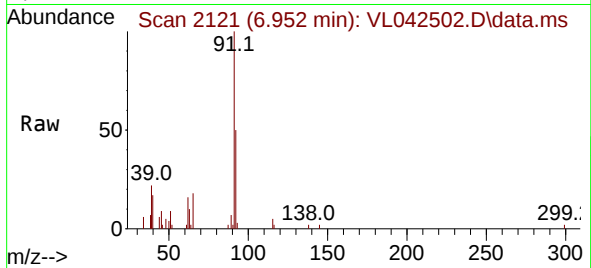
Tgt Ion:164 Resp: 2725  
Ion Ratio Lower Upper  
164 100  
166 104.8 91.6 137.4  
129 84.3 79.0 118.4  
131 58.3 77.6 116.4#





#53  
Toluene  
Concen: 0.314 ppbv m  
RT: 6.952 min Scan# 2114  
Delta R.T. 0.023 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

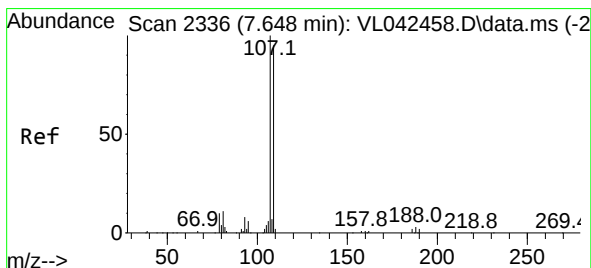
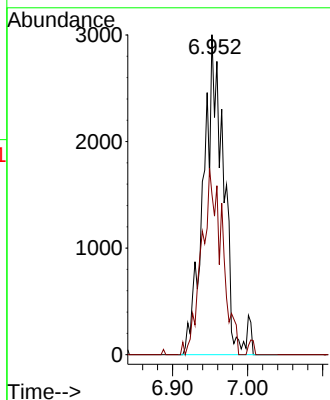
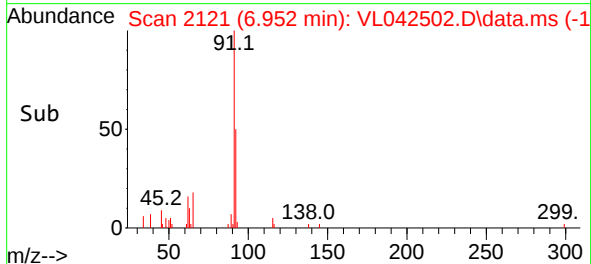
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL2 0.40



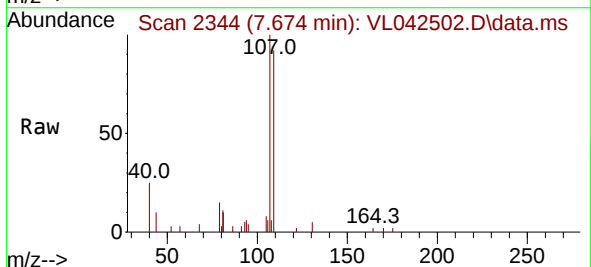
Tgt Ion: 91 Resp: 5590  
Ion Ratio Lower Upper  
91 100  
92 0.0 47.9 71.9

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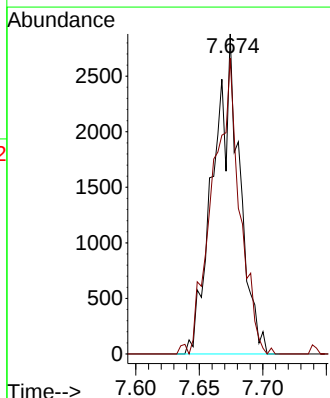
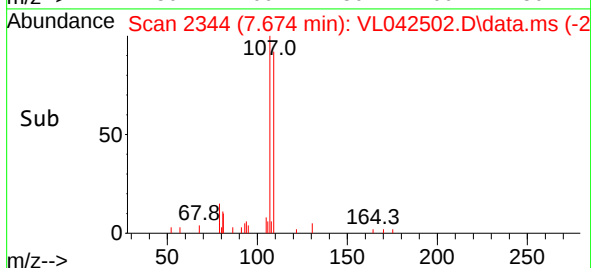
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

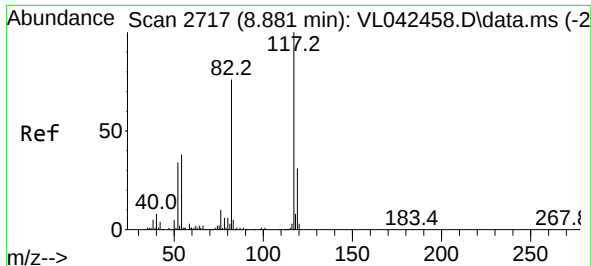


#54  
1,2-Dibromoethane  
Concen: 0.392 ppbv m  
RT: 7.674 min Scan# 2344  
Delta R.T. 0.026 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07



Tgt Ion:107 Resp: 4141  
Ion Ratio Lower Upper  
107 100  
109 92.4 76.0 114.0





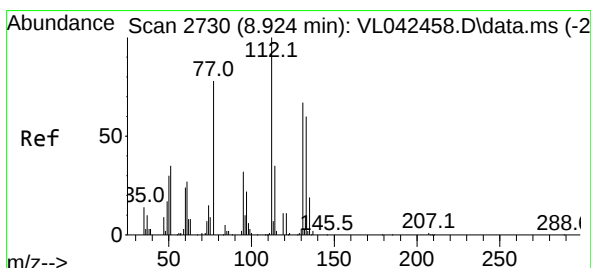
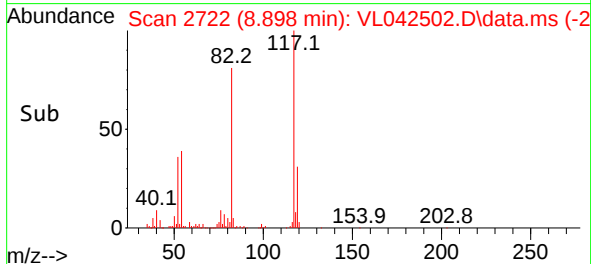
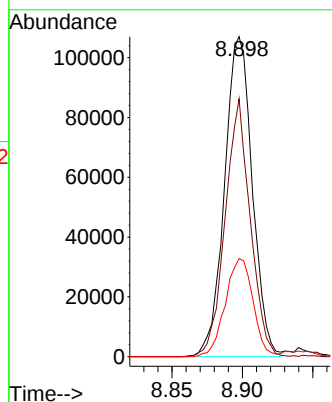
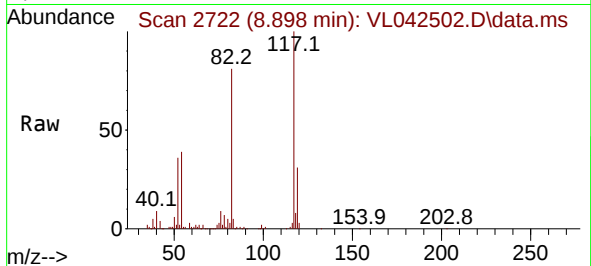
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.898 min Scan# 2717  
Delta R.T. 0.016 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL2 0.40

Tgt Ion:117 Resp: 146910  
Ion Ratio Lower Upper  
117 100  
82 73.2 63.5 95.3  
119 32.6 25.8 38.8

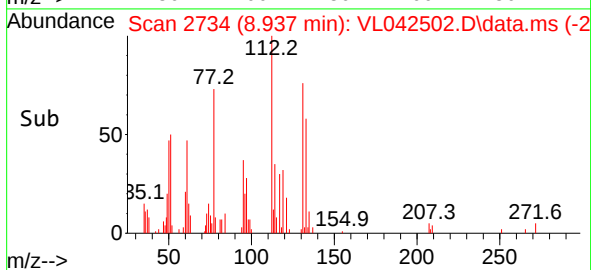
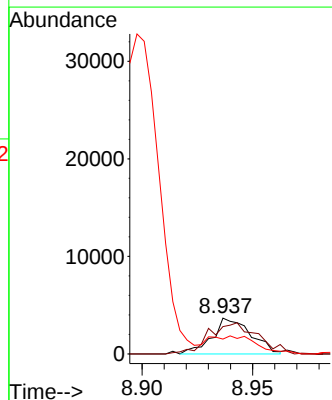
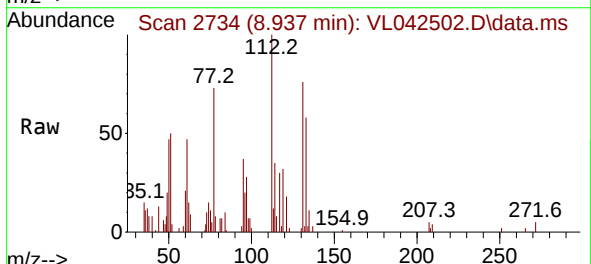
Manual Integrations  
APPROVED

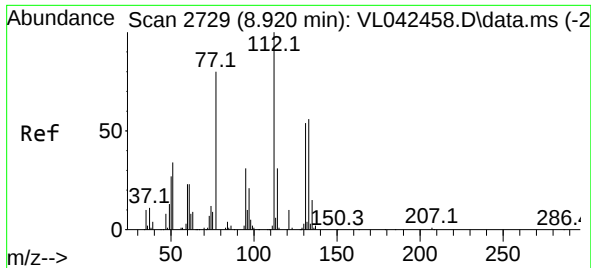
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#56  
1,1,1,2-Tetrachloroethane  
Concen: 0.517 ppbv  
RT: 8.937 min Scan# 2734  
Delta R.T. 0.013 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

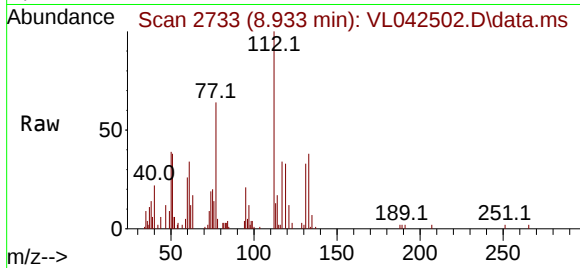
Tgt Ion:131 Resp: 4485  
Ion Ratio Lower Upper  
131 100  
133 110.2 76.0 114.0  
119 0.0 46.1 69.1#





#57  
Chlorobenzene  
Concen: 0.523 ppbv m  
RT: 8.933 min Scan# 2729  
Delta R.T. 0.013 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

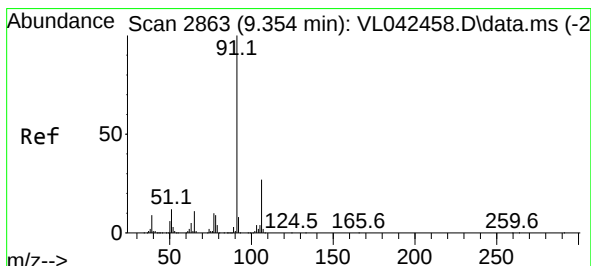
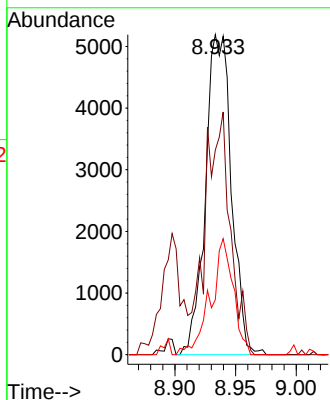
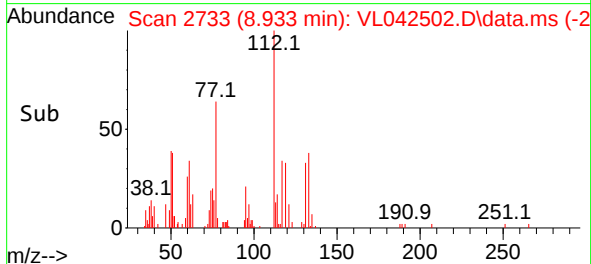
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL2 0.40



Tgt Ion: 112 Resp: 772  
Ion Ratio Lower Upper  
112 100  
77 63.9 65.0 97.4  
114 17.2 27.5 33.7

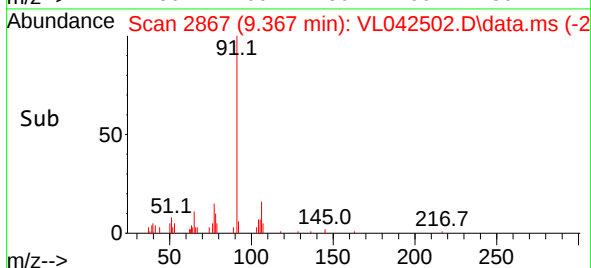
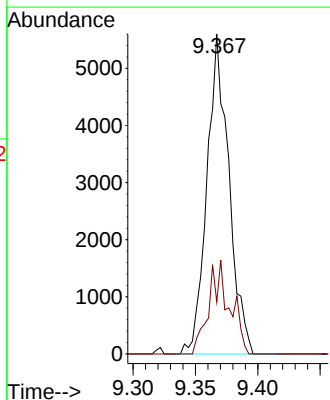
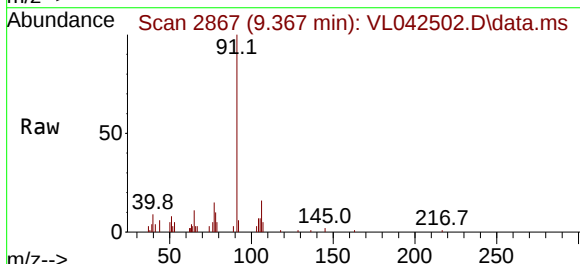
Manual Integrations  
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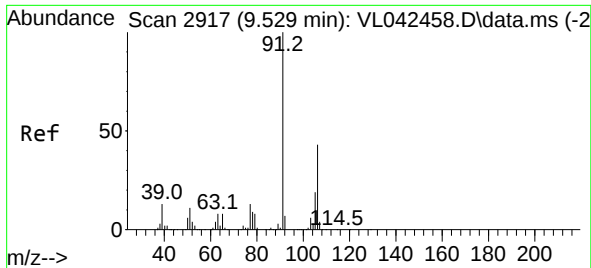
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#58  
Ethyl Benzene  
Concen: 0.279 ppbv m  
RT: 9.367 min Scan# 2867  
Delta R.T. 0.013 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

Tgt Ion: 91 Resp: 6849  
Ion Ratio Lower Upper  
91 100  
106 16.3 21.9 32.9





#59

m/p-Xylene

Concen: 0.508 ppbv m

RT: 9.564 min Scan# 2917

Delta R.T. 0.036 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Instrument :

MSVOA\_L

ClientSampleId :

MDL2 0.40

Tgt Ion: 91 Resp: 1046

Ion Ratio Lower Upper

91 100

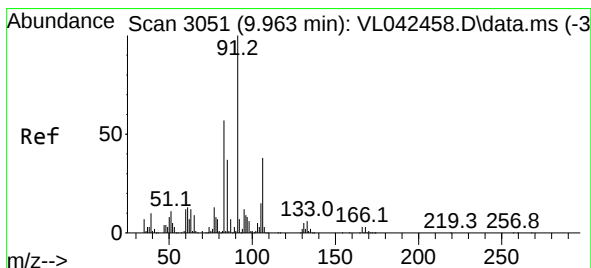
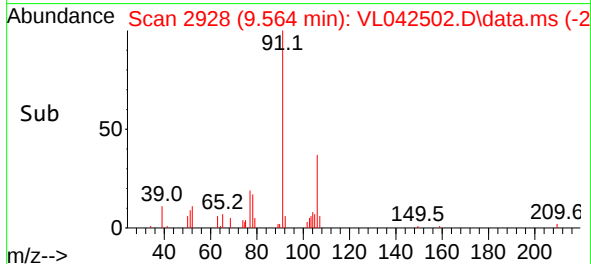
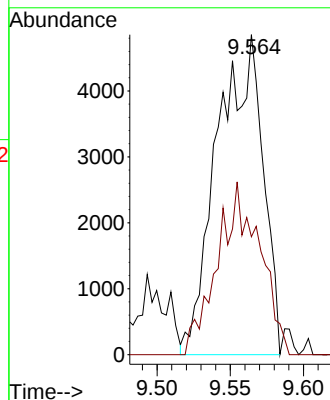
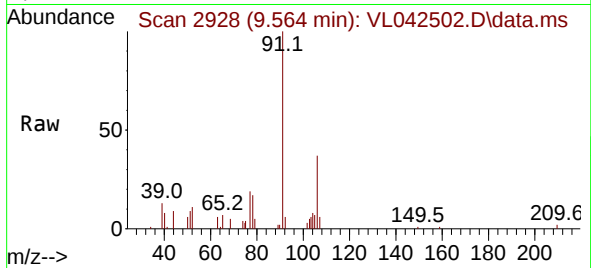
106 0.0 34.2 51.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2025

Supervised By :Mahesh Dadoda 05/09/2025



#60

o-Xylene

Concen: 0.276 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.010 min

Lab File: VL042502.D

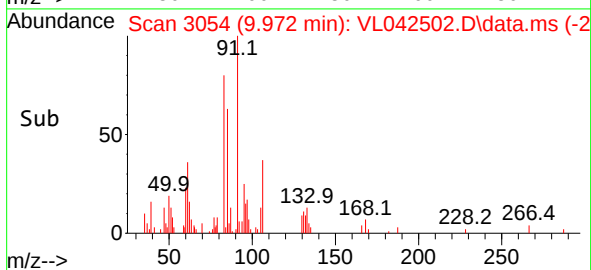
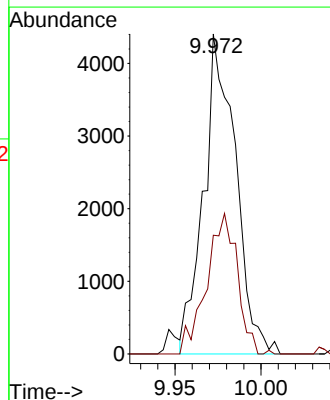
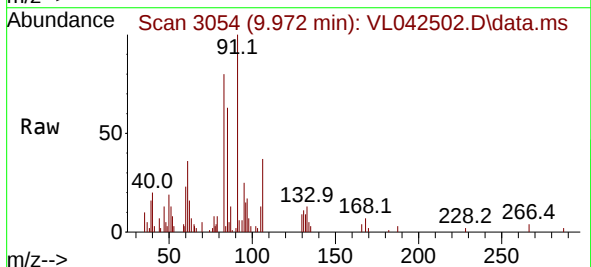
Acq: 06 May 2025 18:07

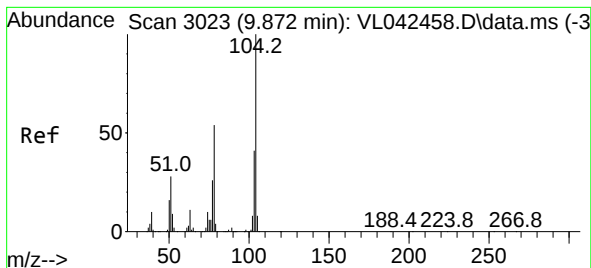
Tgt Ion: 91 Resp: 5683

Ion Ratio Lower Upper

91 100

106 42.3 20.1 60.2





#61

Styrene

Concen: 0.283 ppbv m

RT: 9.885 min Scan# 3023

Delta R.T. 0.013 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Instrument :

MSVOA\_L

ClientSampleId :

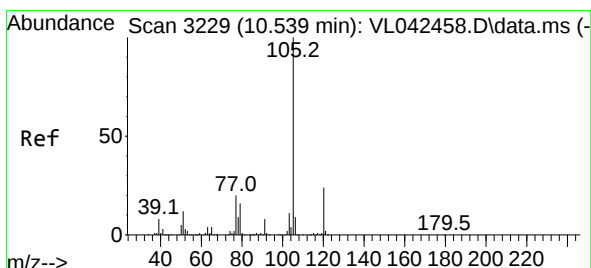
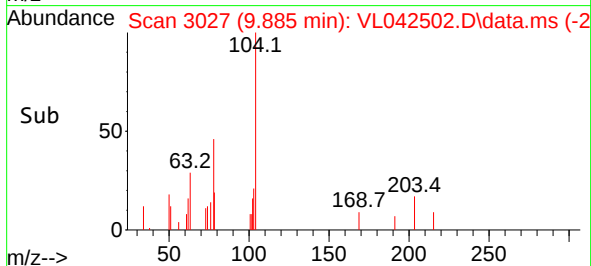
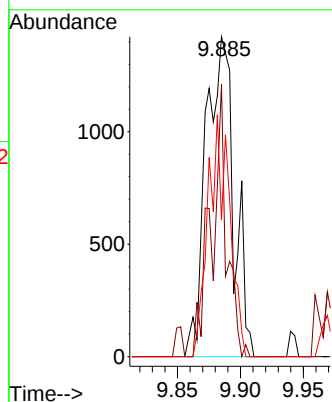
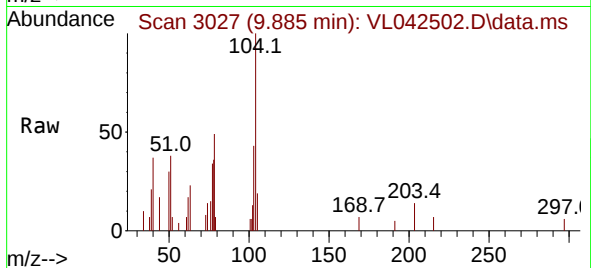
MDL2 0.40

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:104 | Resp: | 2174      |
| Ion Ratio   | Lower | Upper     |
| 104         | 100   |           |
| 78          | 49.6  | 46.9 70.3 |
| 103         | 57.9  | 36.6 55.0 |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#62

Isopropylbenzene

Concen: 0.299 ppbv

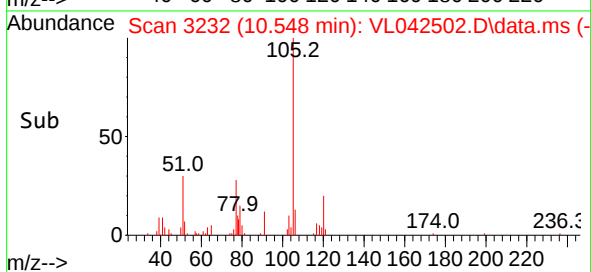
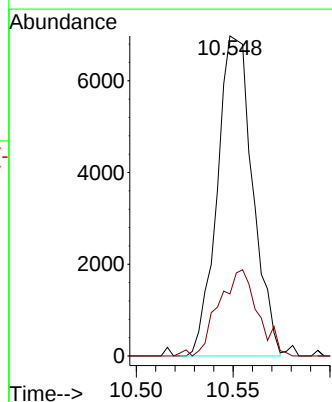
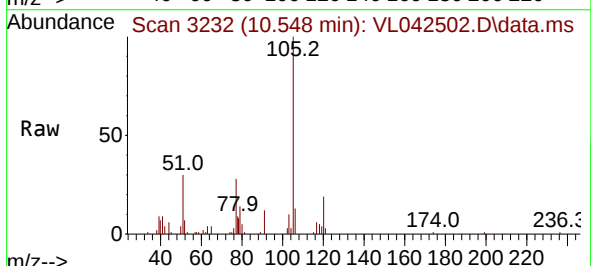
RT: 10.548 min Scan# 3232

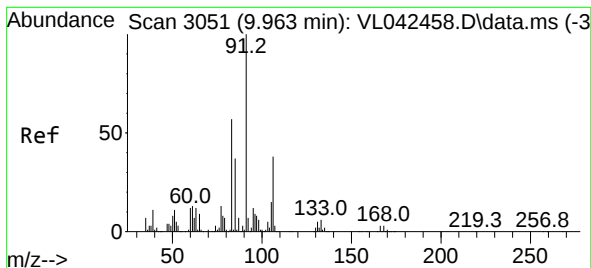
Delta R.T. 0.010 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

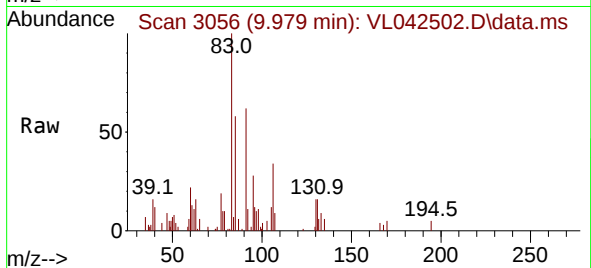
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 8884      |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 120         | 29.8  | 18.8 28.2 |





#63  
1,1,2,2-Tetrachloroethane  
Concen: 0.517 ppbv  
RT: 9.979 min Scan# 3051  
Delta R.T. 0.016 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

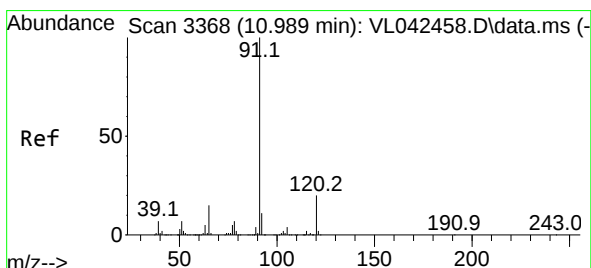
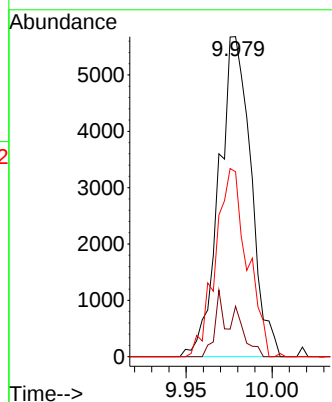
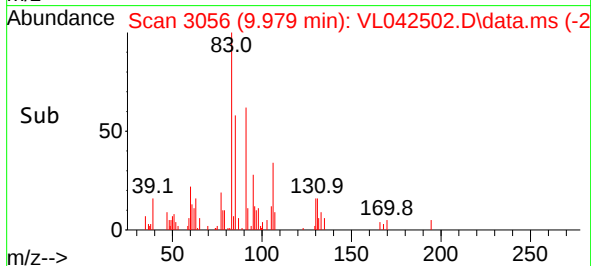
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL2 0.40



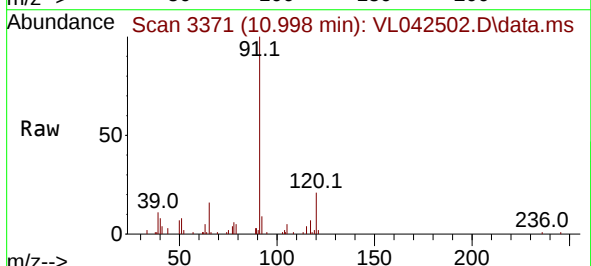
Tgt Ion: 83 Resp: 7339  
Ion Ratio Lower Upper  
83 100  
131 12.5 4.7 14.1  
85 58.5 32.5 97.4

Manual Integrations  
APPROVED

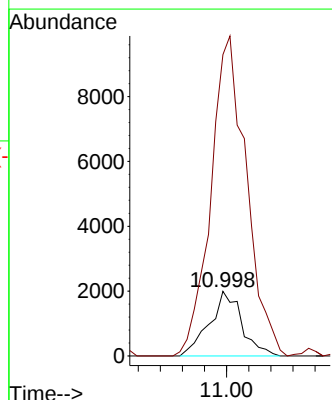
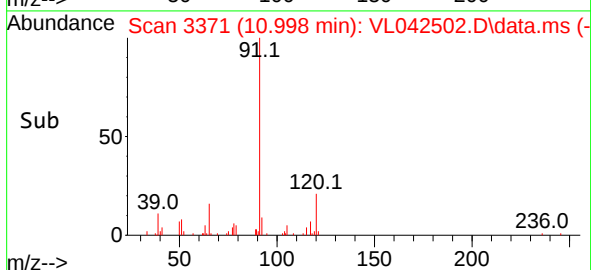
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

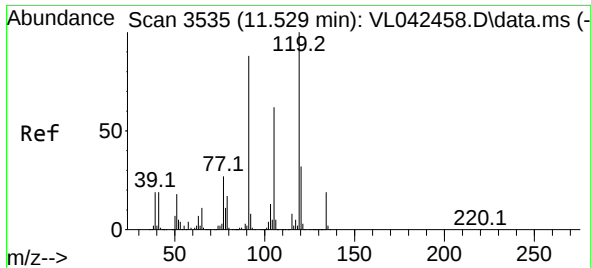


#64  
n-propylbenzene  
Concen: 0.279 ppbv  
RT: 10.998 min Scan# 3371  
Delta R.T. 0.010 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07



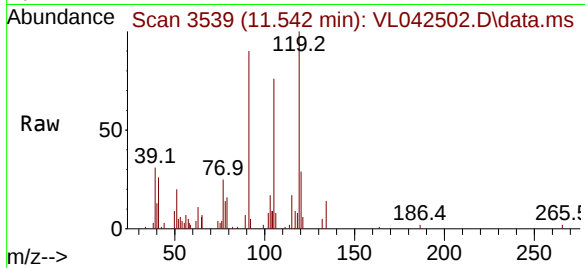
Tgt Ion:120 Resp: 2029  
Ion Ratio Lower Upper  
120 100  
91 549.5 408.6 612.8





#65  
tert-Butylbenzene  
Concen: 0.251 ppbv  
RT: 11.542 min Scan# 3539  
Delta R.T. 0.013 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

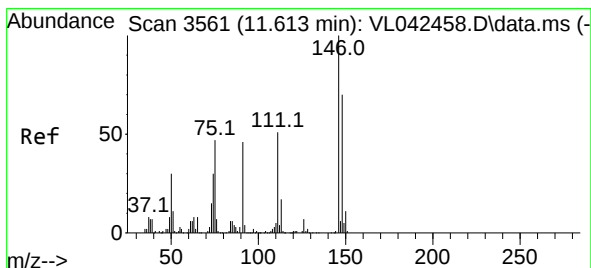
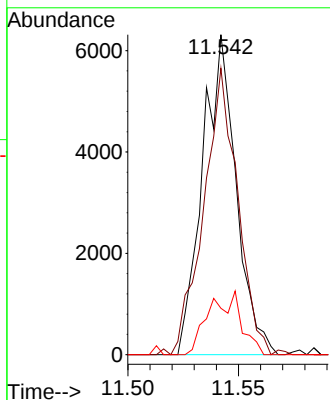
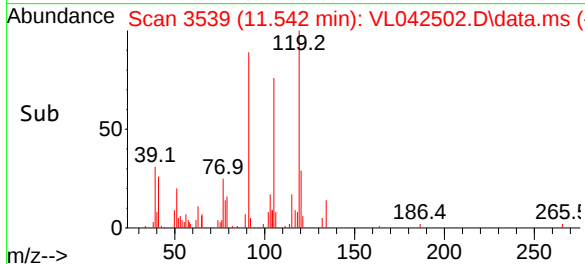
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL2 0.40



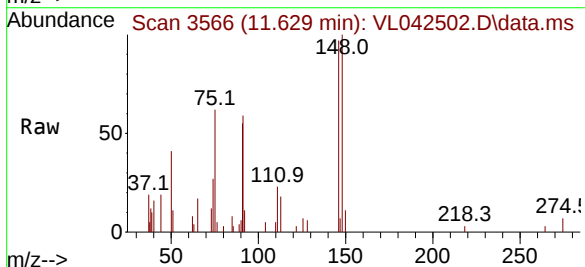
Tgt Ion: 119 Resp: 666  
Ion Ratio Lower Upper  
119 100  
91 90.9 71.6 107.4  
134 19.1 15.0 22.4

Manual Integrations  
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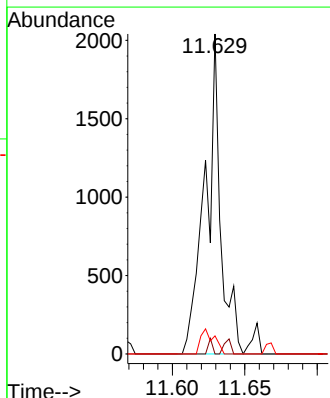
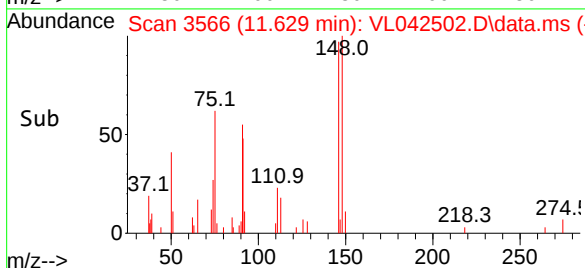
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

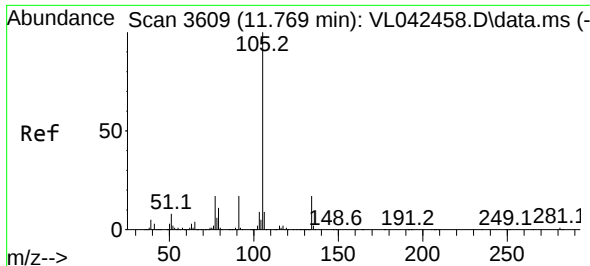


#66  
Benzyl Chloride  
Concen: 0.514 ppbv m  
RT: 11.629 min Scan# 3566  
Delta R.T. 0.016 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07



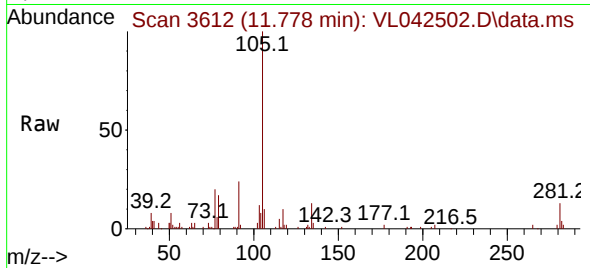
Tgt Ion: 91 Resp: 1575  
Ion Ratio Lower Upper  
91 100  
126 0.0 13.3 19.9#  
128 0.0 4.2 6.4#





#67  
 sec-Butylbenzene  
 Concen: 0.293 ppbv  
 RT: 11.778 min Scan# 3612  
 Delta R.T. 0.010 min  
 Lab File: VL042502.D  
 Acq: 06 May 2025 18:07

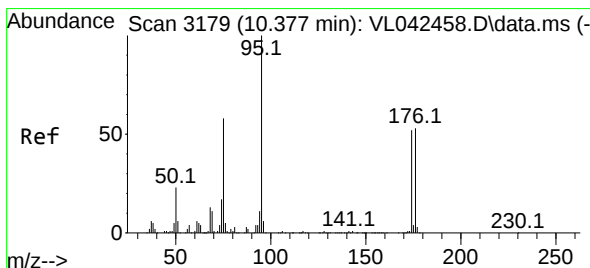
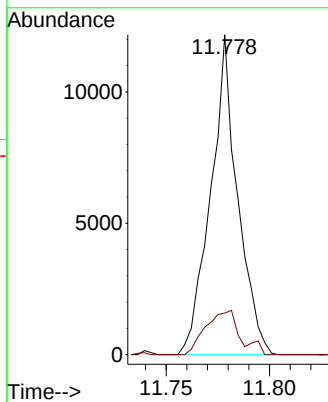
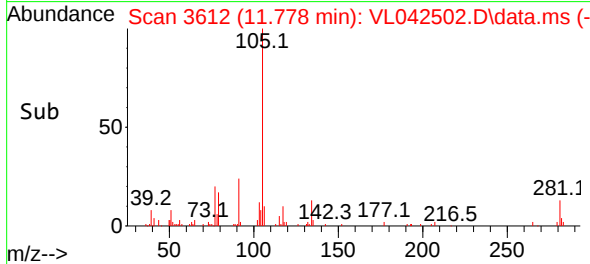
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL2 0.40



Tgt Ion:105 Resp: 11045  
 Ion Ratio Lower Upper  
 105 100  
 134 17.8 14.1 21.1

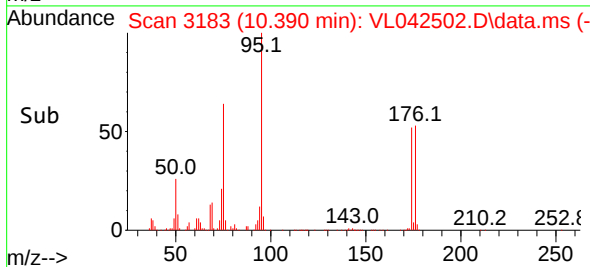
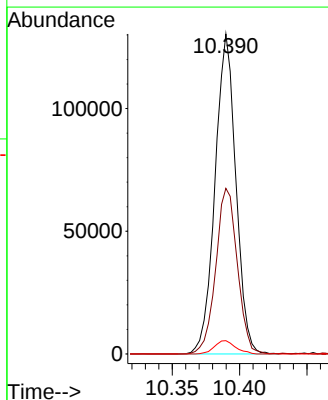
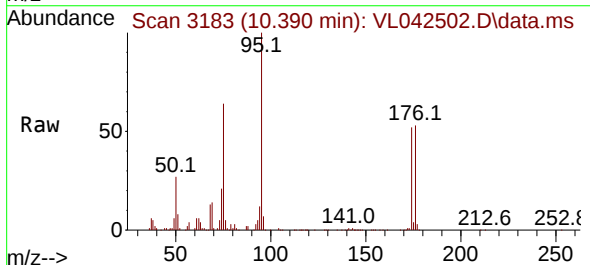
Manual Integrations  
 APPROVED

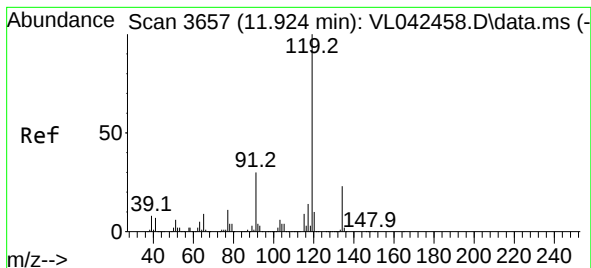
Reviewed By :Semsettin Yesilyurt 05/07/2025  
 Supervised By :Mahesh Dadoda 05/09/2025



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.294 ppbv  
 RT: 10.390 min Scan# 3183  
 Delta R.T. 0.013 min  
 Lab File: VL042502.D  
 Acq: 06 May 2025 18:07

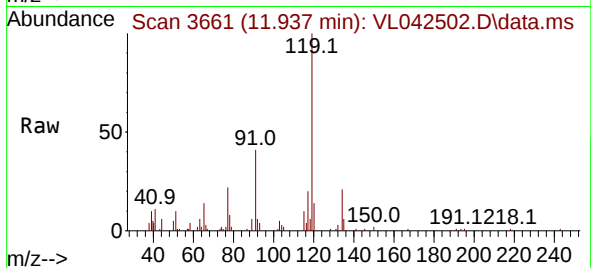
Tgt Ion: 95 Resp: 140214  
 Ion Ratio Lower Upper  
 95 100  
 174 53.7 42.7 64.1  
 175 4.2 3.6 5.4





#69  
p-Isopropyltoluene  
Concen: 0.243 ppbv  
RT: 11.937 min Scan# 3661  
Delta R.T. 0.013 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

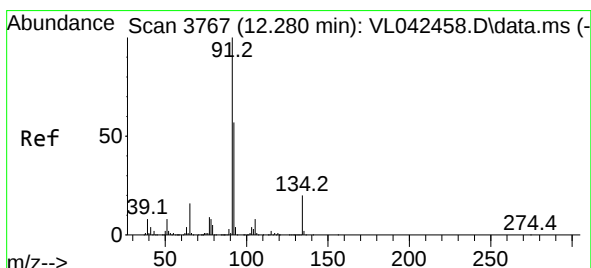
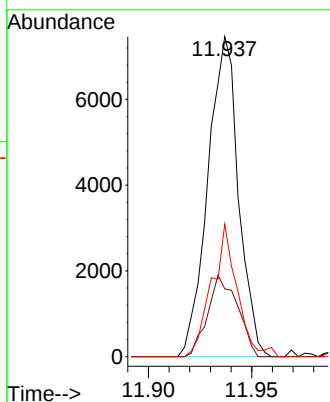
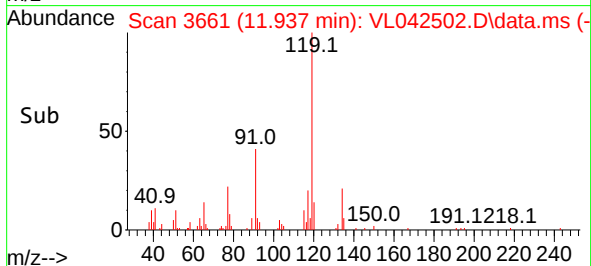
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL2 0.40



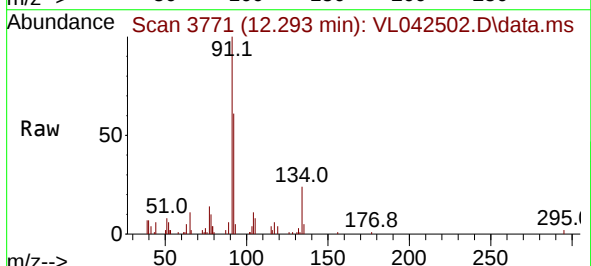
Tgt Ion: 119 Resp: 7712  
Ion Ratio Lower Upper  
119 100  
134 24.6 19.0 28.4  
91 34.4 25.5 38.3

Manual Integrations  
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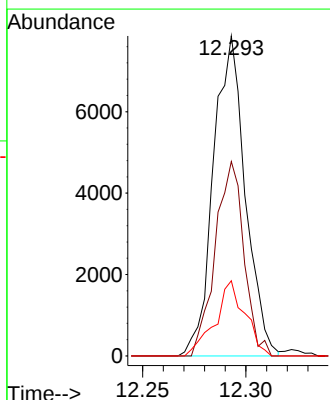
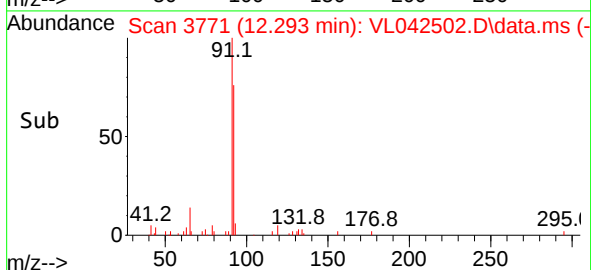
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

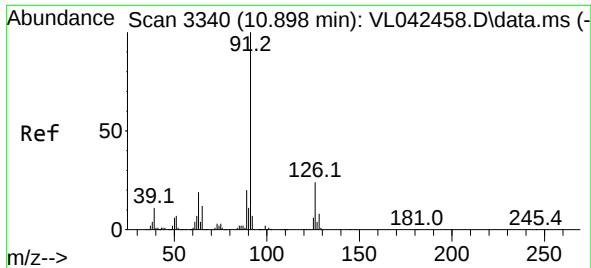


#70  
n-Butylbenzene  
Concen: 0.257 ppbv  
RT: 12.293 min Scan# 3771  
Delta R.T. 0.013 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07



Tgt Ion: 91 Resp: 8444  
Ion Ratio Lower Upper  
91 100  
92 54.6 44.0 66.0  
134 22.0 16.8 25.2





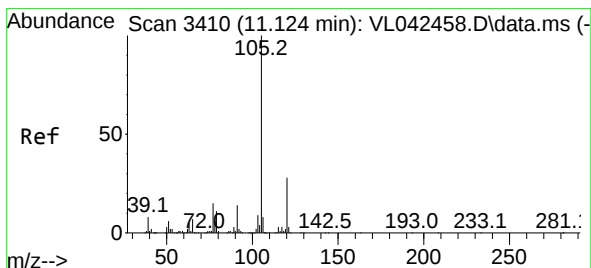
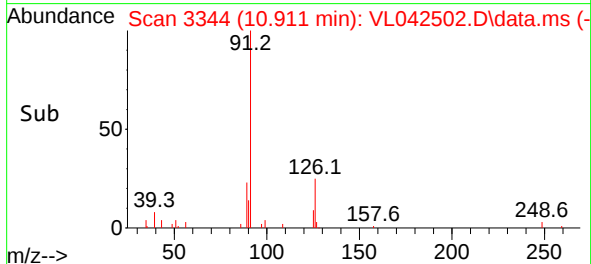
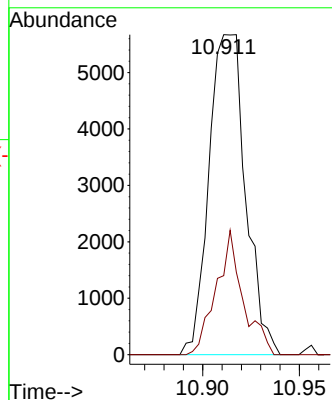
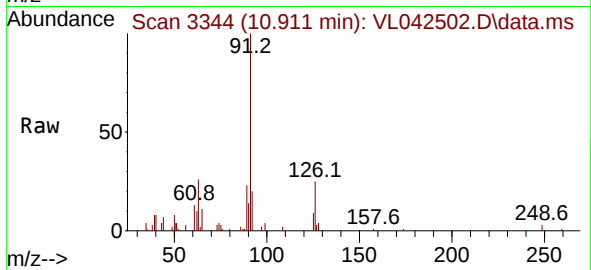
#71  
2-Chlorotoluene  
Concen: 0.321 ppbv  
RT: 10.911 min Scan# 31  
Delta R.T. 0.013 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL2 0.40

Tgt Ion: 91 Resp: 749  
Ion Ratio Lower Upper  
91 100  
126 28.3 10.6 42.2

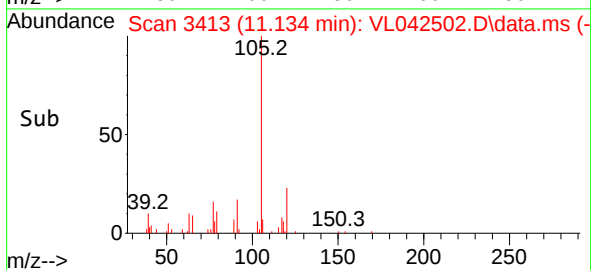
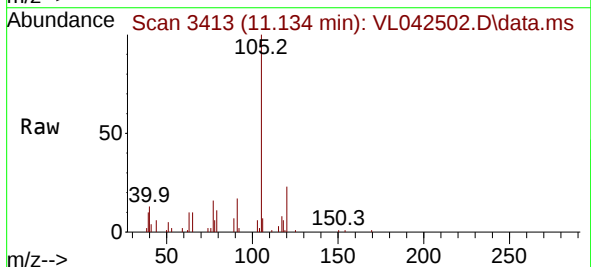
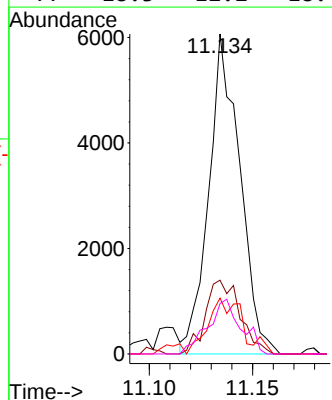
Manual Integrations  
APPROVED

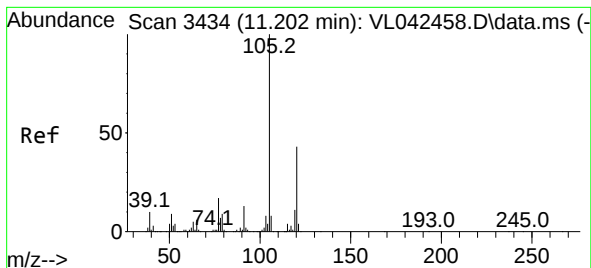
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#72  
4-Ethyltoluene  
Concen: 0.261 ppbv  
RT: 11.134 min Scan# 3413  
Delta R.T. 0.010 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

Tgt Ion:105 Resp: 6341  
Ion Ratio Lower Upper  
105 100  
120 26.6 22.0 33.0  
91 21.3 11.2 16.8#  
77 18.3 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 0.285 ppbv

RT: 11.215 min Scan# 3434

Delta R.T. 0.013 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Instrument :

MSVOA\_L

ClientSampleId :

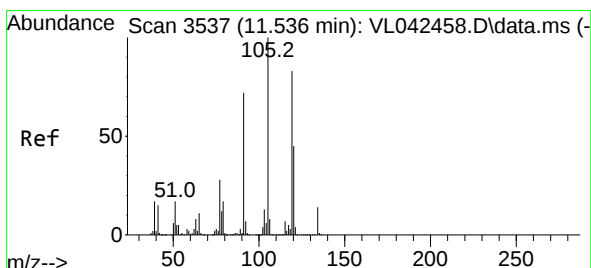
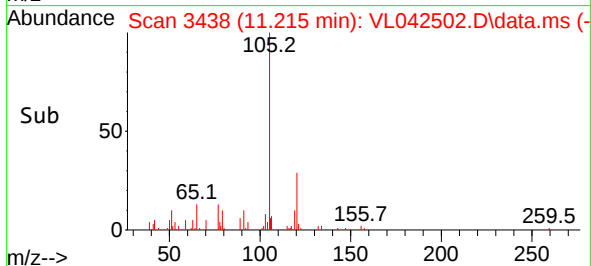
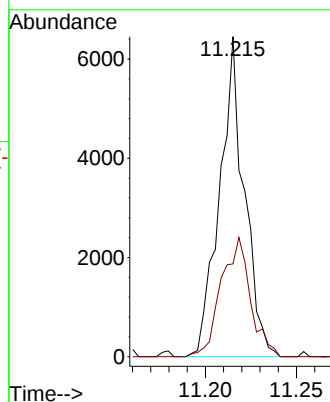
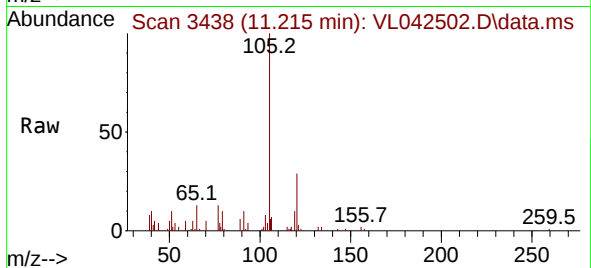
MDL2 0.40

Tgt Ion:105 Resp: 6099  
 Ion Ratio Lower Upper  
 105 100  
 120 27.3 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025  
 Supervised By :Mahesh Dadoda 05/09/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.280 ppbv

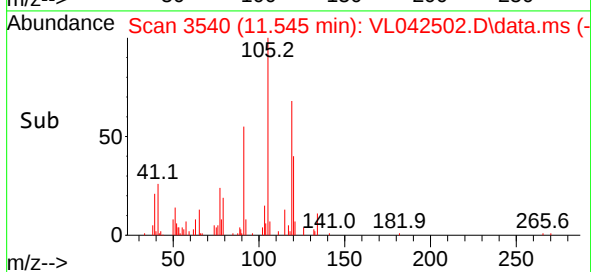
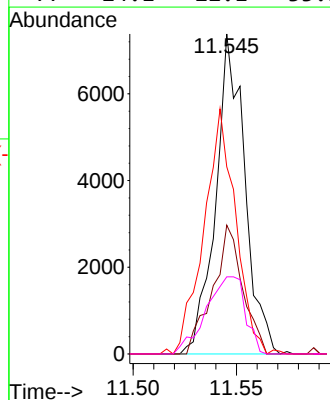
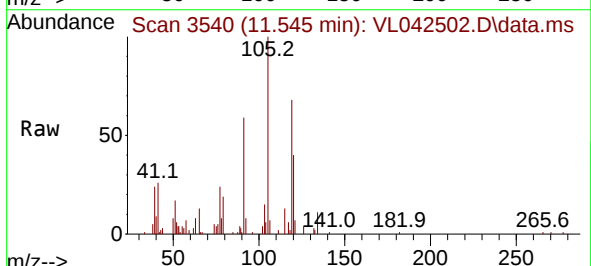
RT: 11.545 min Scan# 3540

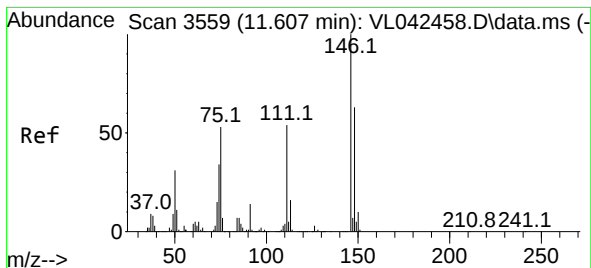
Delta R.T. 0.010 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Tgt Ion:105 Resp: 7236  
 Ion Ratio Lower Upper  
 105 100  
 120 40.3 36.1 54.1  
 91 57.6 57.6 86.4  
 77 24.1 22.1 33.1





#75

1,3-Dichlorobenzene

Concen: 0.412 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. 0.013 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

Instrument :

MSVOA\_L

ClientSampleId :

MDL2 0.40

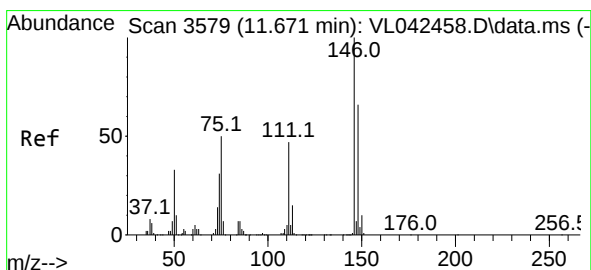
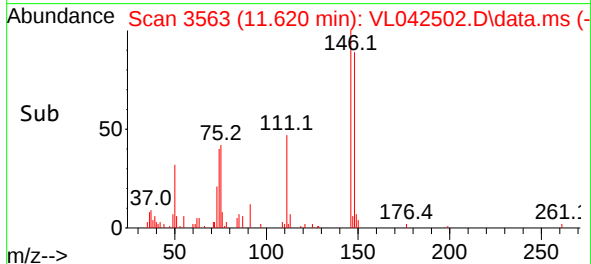
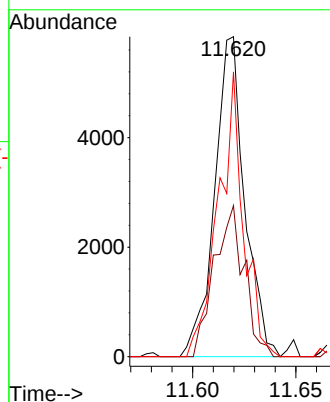
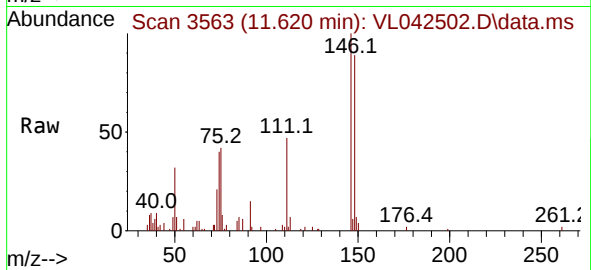
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 146   | Resp: | 5930 |
| Ion Ratio | Lower | Upper |      |
| 146       | 100   |       |      |
| 111       | 47.0  | 26.1  | 78.3 |
| 148       | 73.9  | 32.0  | 96.0 |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2025

Supervised By :Mahesh Dadoda 05/09/2025



#76

1,4-Dichlorobenzene

Concen: 0.371 ppbv

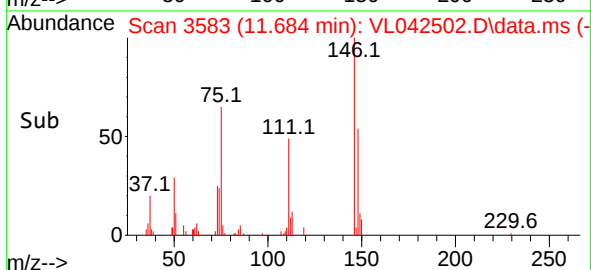
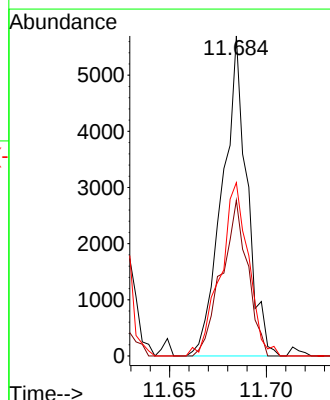
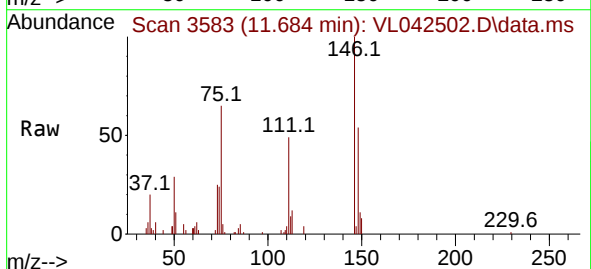
RT: 11.684 min Scan# 3583

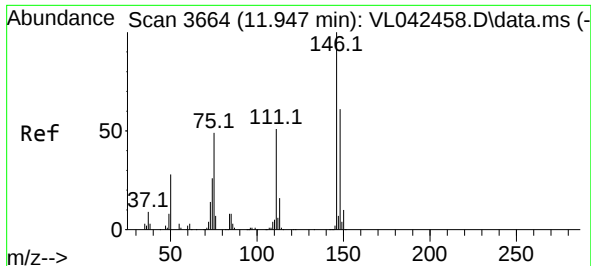
Delta R.T. 0.013 min

Lab File: VL042502.D

Acq: 06 May 2025 18:07

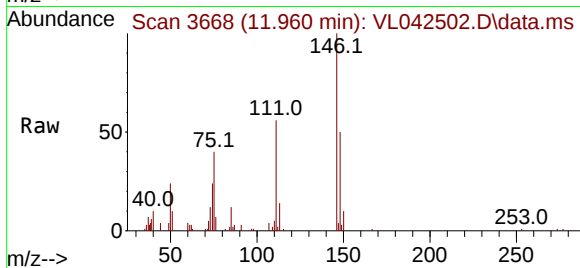
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 146   | Resp: | 5050 |
| Ion Ratio | Lower | Upper |      |
| 146       | 100   |       |      |
| 111       | 51.5  | 24.4  | 73.2 |
| 148       | 61.4  | 32.0  | 96.2 |





#77  
1,2-Dichlorobenzene  
Concen: 0.466 ppbv  
RT: 11.960 min Scan# 30  
Delta R.T. 0.013 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

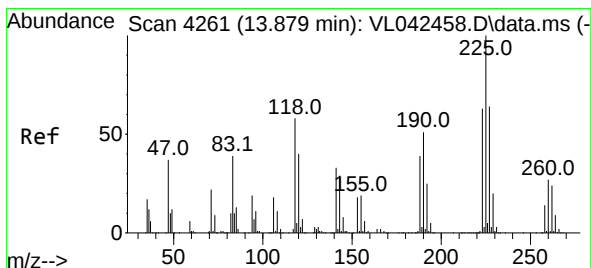
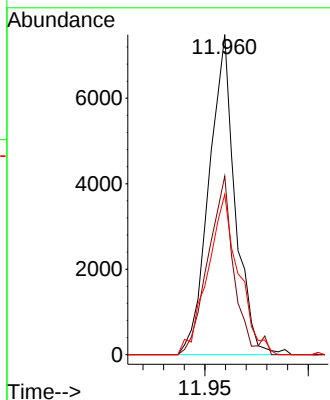
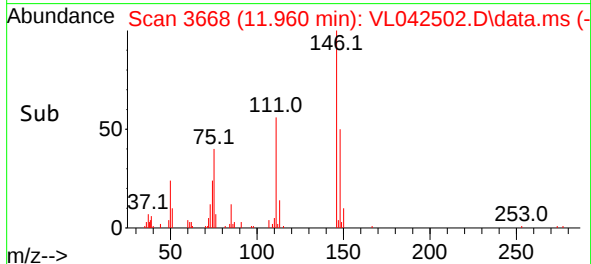
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL2 0.40



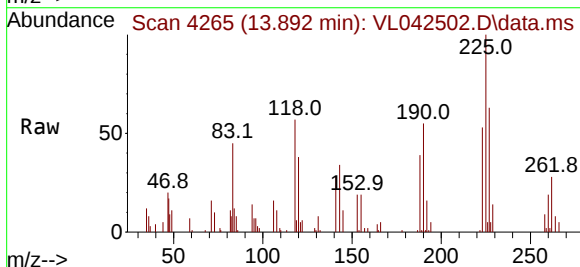
Tgt Ion:146 Resp: 657  
Ion Ratio Lower Upper  
146 100  
111 55.6 26.5 79.5  
148 59.5 31.5 94.5

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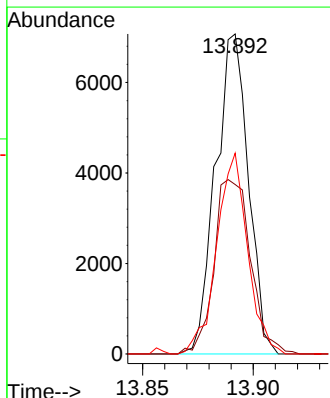
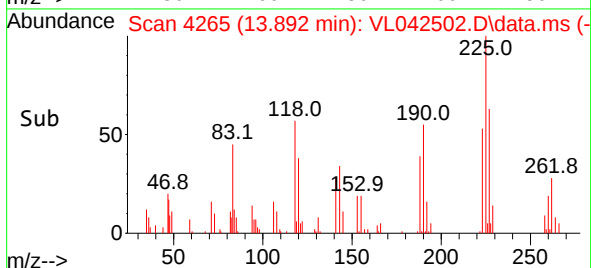
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025

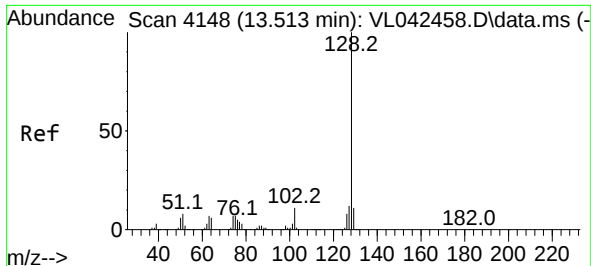


#78  
Hexachloro-1,3-Butadiene  
Concen: 0.517 ppbv  
RT: 13.892 min Scan# 4265  
Delta R.T. 0.013 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07



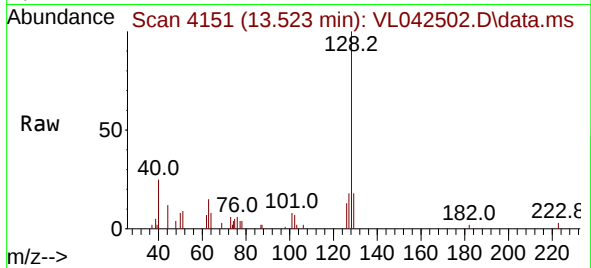
Tgt Ion:225 Resp: 7279  
Ion Ratio Lower Upper  
225 100  
223 60.7 50.2 75.4  
227 59.8 51.2 76.8





#79  
Naphthalene  
Concen: 0.209 ppbv m  
RT: 13.523 min Scan# 4148  
Delta R.T. 0.010 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

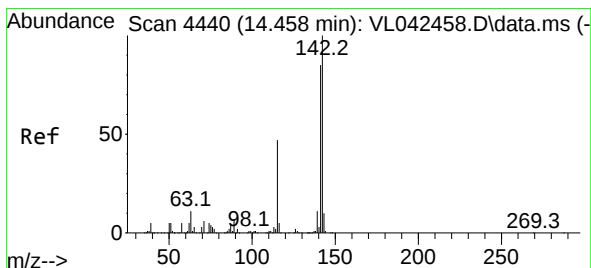
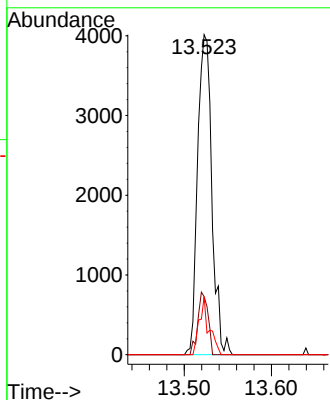
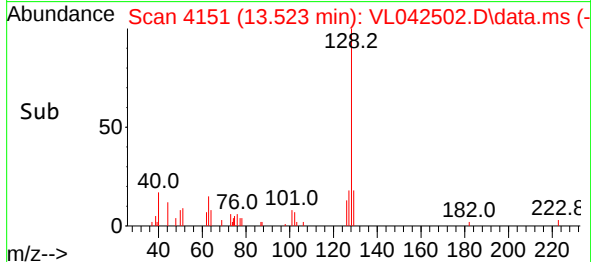
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL2 0.40



Tgt Ion:128 Resp: 4539  
Ion Ratio Lower Upper  
128 100  
127 18.2 9.7 14.5  
129 18.1 8.6 13.0

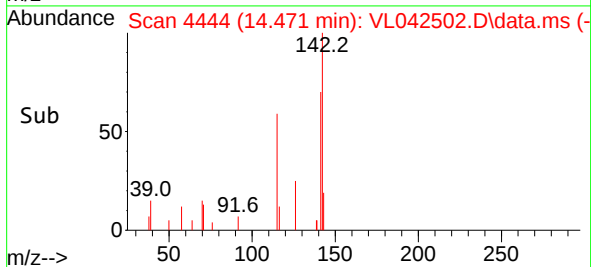
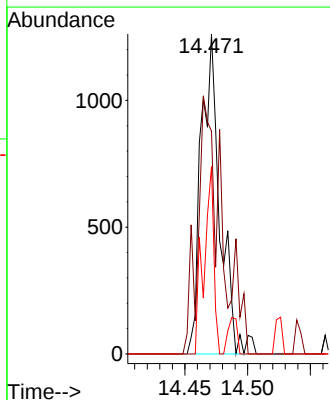
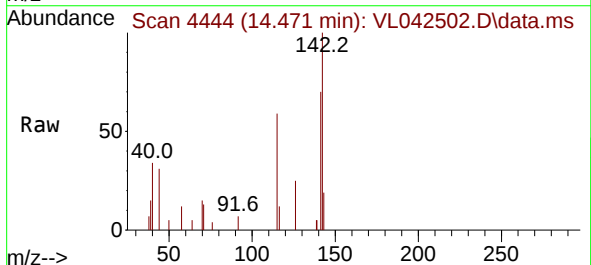
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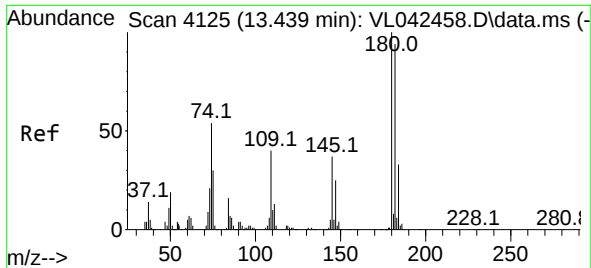
Reviewed By :Semsettin Yesilyurt 05/07/2025  
Supervised By :Mahesh Dadoda 05/09/2025



#80  
Naphthalene,2-methyl-  
Concen: 0.082 ppbv m  
RT: 14.471 min Scan# 4444  
Delta R.T. 0.013 min  
Lab File: VL042502.D  
Acq: 06 May 2025 18:07

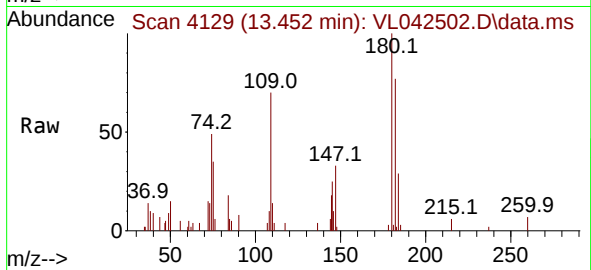
Tgt Ion:142 Resp: 1321  
Ion Ratio Lower Upper  
142 100  
141 101.1 67.4 101.0#  
115 36.9 36.9 55.3





#81  
 1,2,4-Trichlorobenzene  
 Concen: 0.228 ppbv m  
 RT: 13.452 min Scan# 41  
 Delta R.T. 0.013 min  
 Lab File: VL042502.D  
 Acq: 06 May 2025 18:07

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL2 0.40



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 99.5  | 74.6  | 111.8 |
| 184     | 0.0   | 24.9  | 37.3  |

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025  
 Supervised By :Mahesh Dadoda 05/09/2025

