

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042862.D  
 Acq On : 13 Aug 2025 21:26  
 Operator : SY/MD  
 Sample : Q2834-02 10X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 SV1

Manual Integrations  
 APPROVED

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

Quant Time: Aug 14 02:22:53 2025

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

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

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

Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 2.793  | 49    | 126696   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 3.968  | 114   | 384213   | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 8.891  | 117   | 328630   | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.387 | 95    | 250839   | 10.178   | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 101.800% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 9) Propene                  | 1.489  | 41    | 1229     | 0.139    | ppbv # | 79       |
| 10) Heptane                 | 4.991  | 43    | 4289m    | 0.181    | ppbv   |          |
| 13) Ethanol                 | 1.722  | 45    | 96985    | 119.666  | ppbv   | 90       |
| 15) Acetone                 | 1.839  | 43    | 87245    | 5.206    | ppbv   | 97       |
| 17) tert-Butyl alcohol      | 2.049  | 59    | 8016     | 0.403    | ppbv # | 87       |
| 19) Isopropyl Alcohol       | 1.890  | 45    | 3151     | 0.315    | ppbv # | 1        |
| 20) Methylene Chloride      | 2.065  | 84    | 2362     | 0.336    | ppbv   | 94       |
| 26) Hexane                  | 2.832  | 57    | 23928    | 1.278    | ppbv # | 43       |
| 34) 2-Butanone              | 2.567  | 43    | 9355     | 0.361    | ppbv   | 94       |
| 52) Tetrachloroethene       | 8.234  | 164   | 633m     | 0.048    | ppbv   |          |
| 53) Toluene                 | 6.949  | 91    | 23951    | 0.548    | ppbv   | 99       |
| 59) m/p-Xylene              | 9.545  | 91    | 4739m    | 0.104    | ppbv   |          |
| -----                       |        |       |          |          |        |          |

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

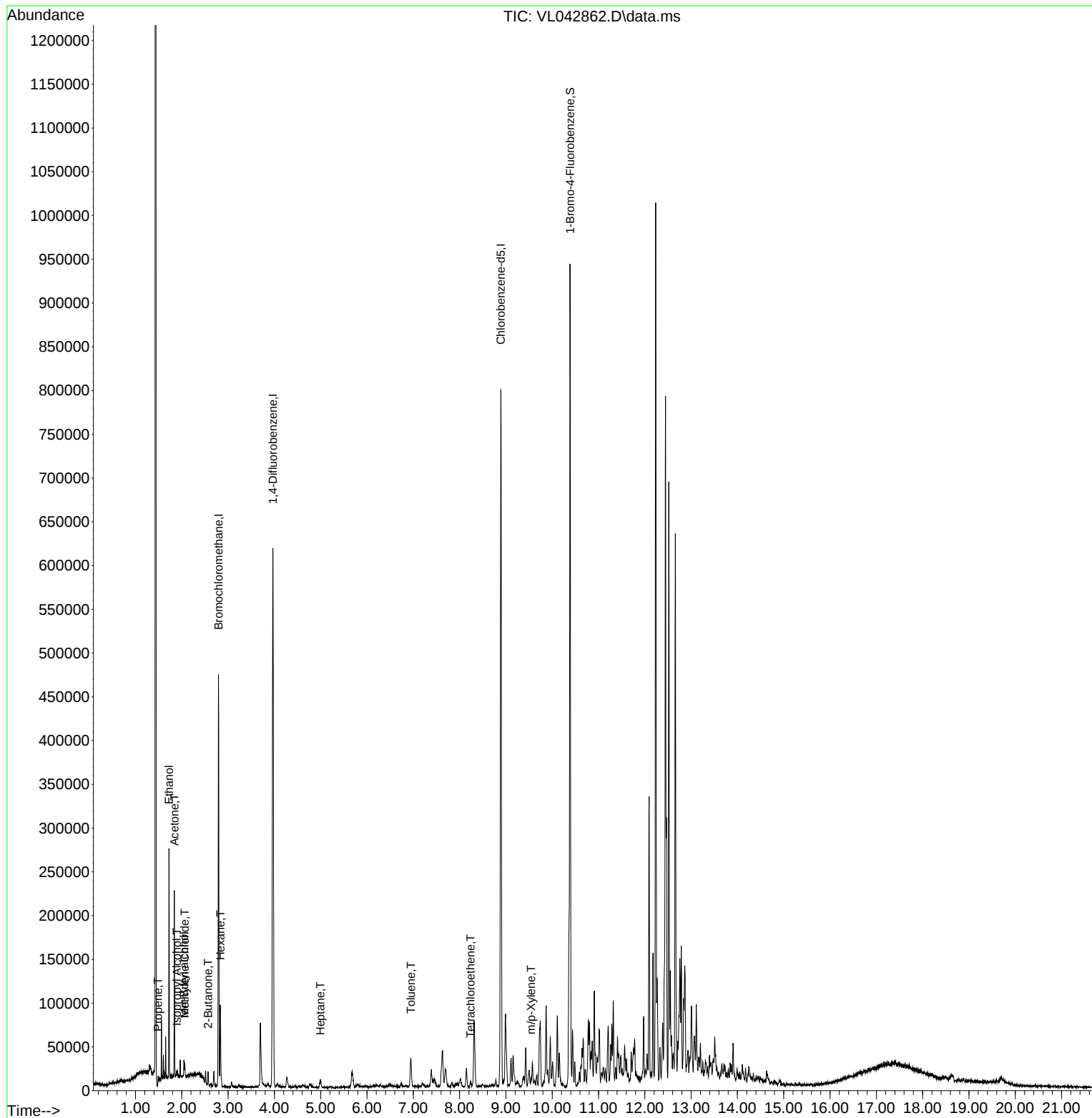
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
Data File : VL042862.D  
Acq On : 13 Aug 2025 21:26  
Operator : SY/MD  
Sample : Q2834-02 10X  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

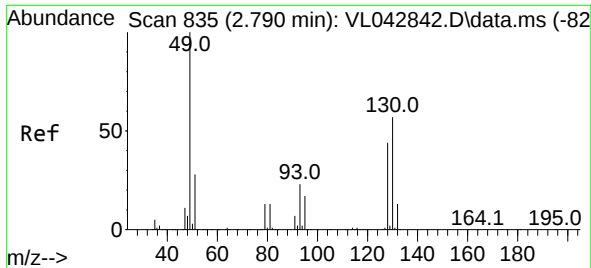
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

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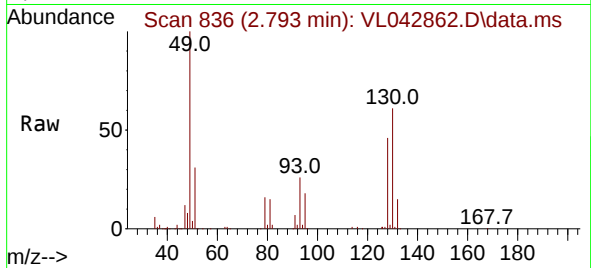
Quant Time: Aug 14 02:22:53 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Thu Aug 14 02:12:54 2025  
Response via : Initial Calibration





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.793 min Scan# 835  
Delta R.T. 0.003 min  
Lab File: VL042862.D  
Acq: 13 Aug 2025 21:26

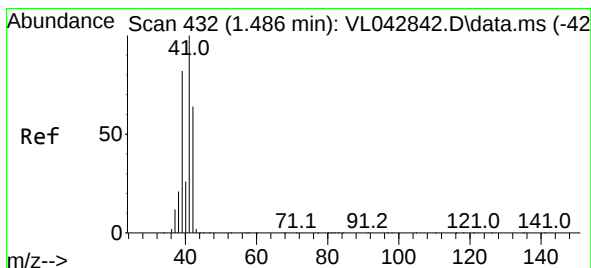
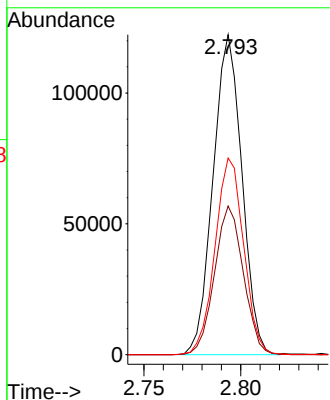
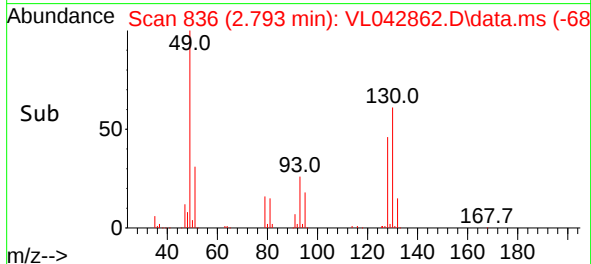
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1



Tgt Ion: 49 Resp: 126690  
Ion Ratio Lower Upper  
49 100  
128 46.4 23.7 71.1  
130 61.2 30.6 91.6

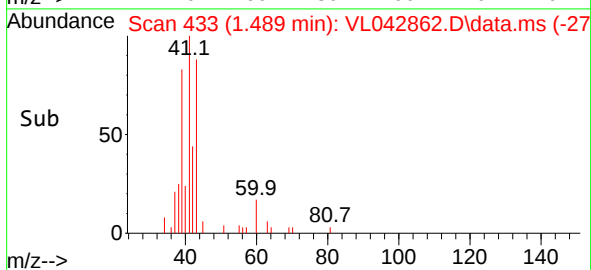
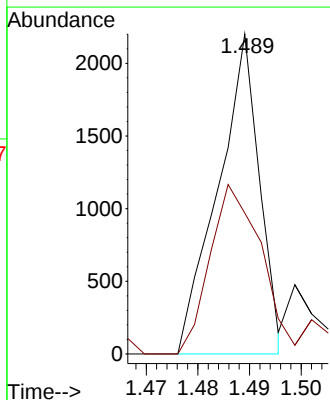
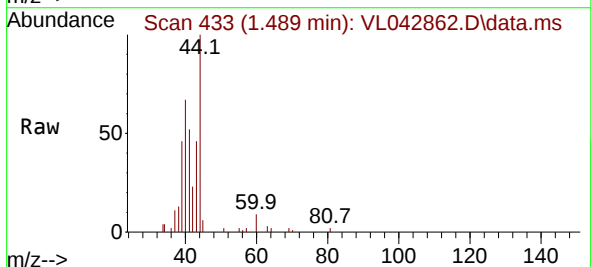
Manual Integrations  
APPROVED

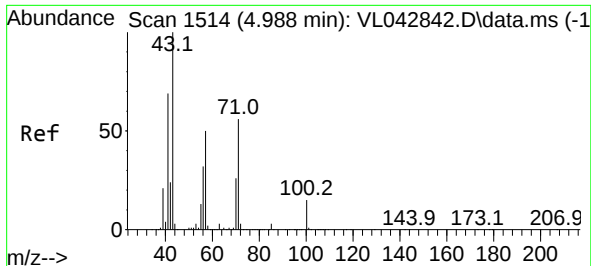
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025



#9  
Propene  
Concen: 0.139 ppbv  
RT: 1.489 min Scan# 433  
Delta R.T. 0.003 min  
Lab File: VL042862.D  
Acq: 13 Aug 2025 21:26

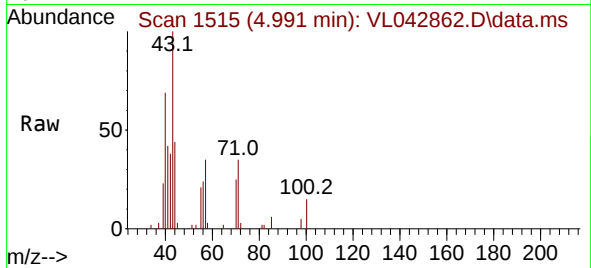
Tgt Ion: 41 Resp: 1229  
Ion Ratio Lower Upper  
41 100  
42 82.6 53.0 79.4#





#10  
Heptane  
Concen: 0.181 ppbv m  
RT: 4.991 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VL042862.D  
Acq: 13 Aug 2025 21:26

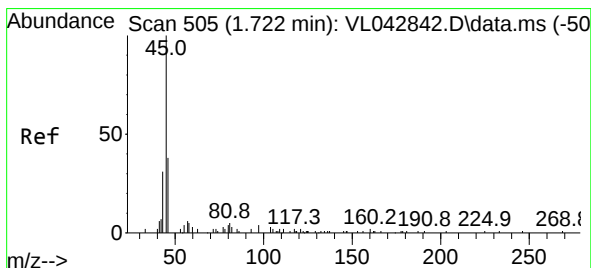
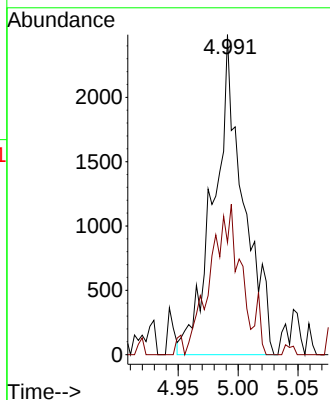
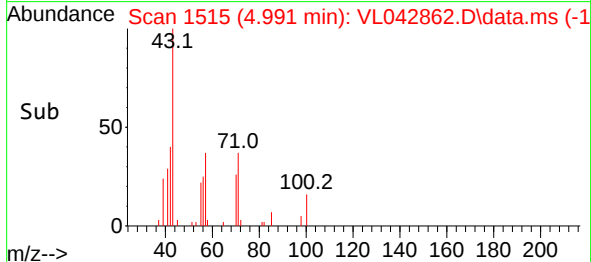
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1



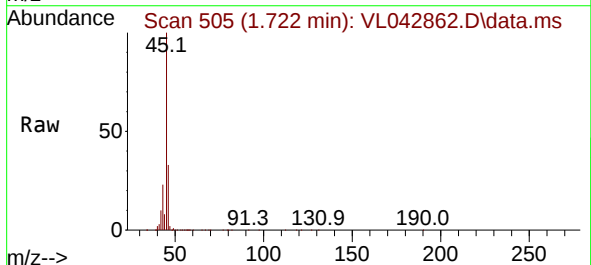
Tgt Ion: 43 Resp: 4289  
Ion Ratio Lower Upper  
43 100  
57 50.5 41.4 62.0

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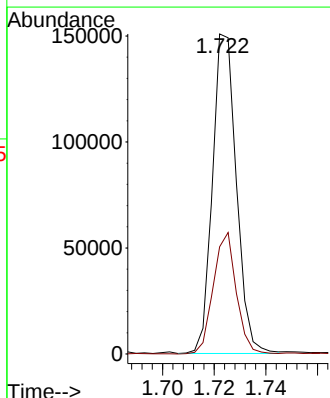
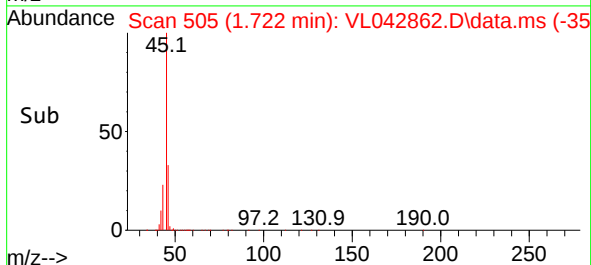
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025

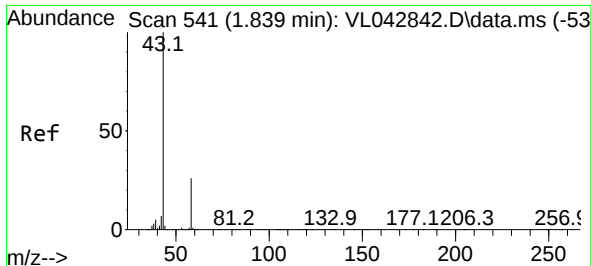


#13  
Ethanol  
Concen: 119.666 ppbv  
RT: 1.722 min Scan# 505  
Delta R.T. -0.000 min  
Lab File: VL042862.D  
Acq: 13 Aug 2025 21:26



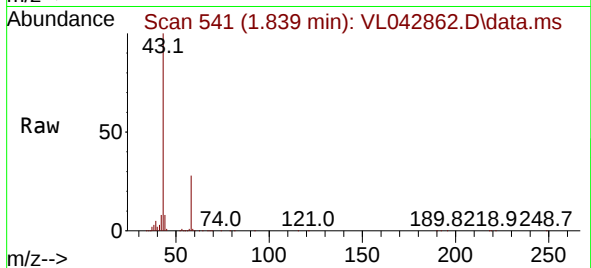
Tgt Ion: 45 Resp: 96985  
Ion Ratio Lower Upper  
45 100  
46 37.1 17.5 69.9





#15  
Acetone  
Concen: 5.206 ppbv  
RT: 1.839 min Scan# 541  
Delta R.T. -0.000 min  
Lab File: VL042862.D  
Acq: 13 Aug 2025 21:26

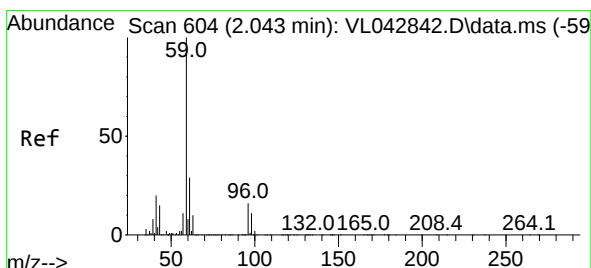
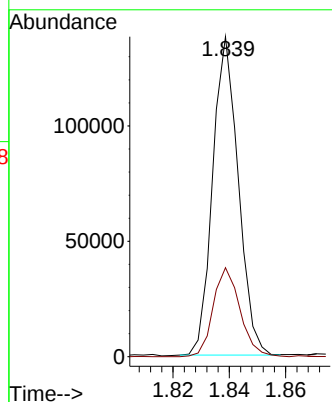
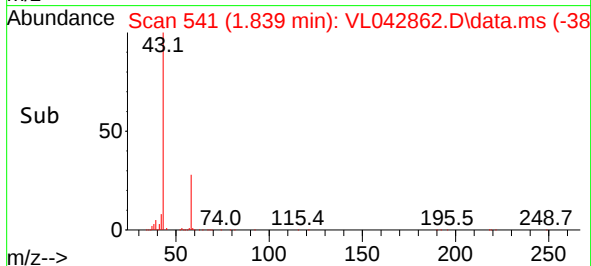
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1



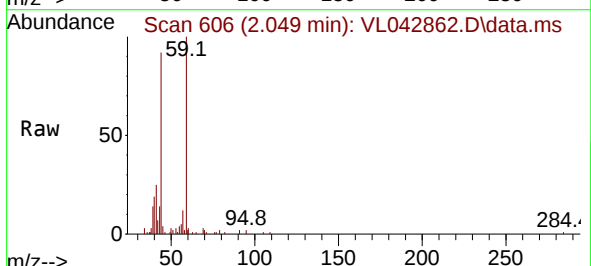
Tgt Ion: 43 Resp: 87249  
Ion Ratio Lower Upper  
43 100  
58 29.5 22.4 33.6

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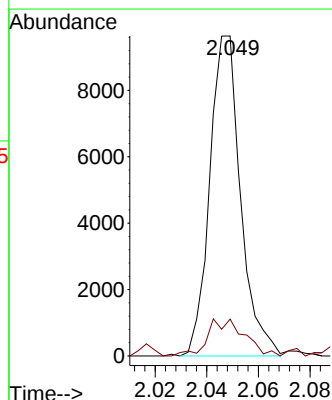
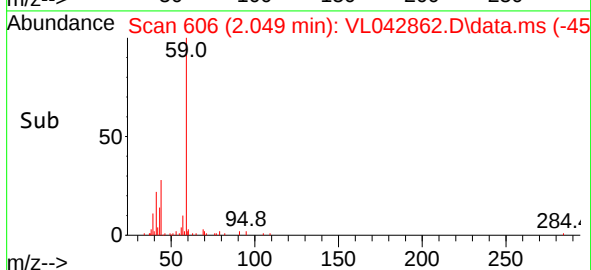
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025

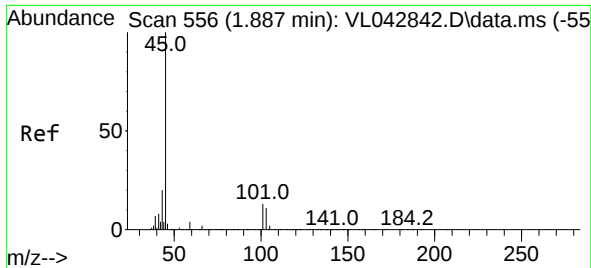


#17  
tert-Butyl alcohol  
Concen: 0.403 ppbv  
RT: 2.049 min Scan# 606  
Delta R.T. 0.006 min  
Lab File: VL042862.D  
Acq: 13 Aug 2025 21:26



Tgt Ion: 59 Resp: 8016  
Ion Ratio Lower Upper  
59 100  
57 16.3 9.0 13.4#





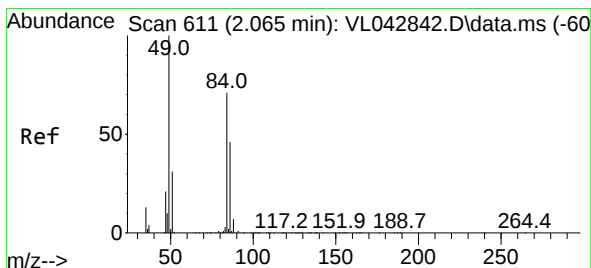
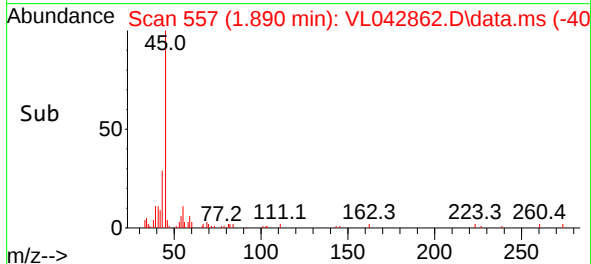
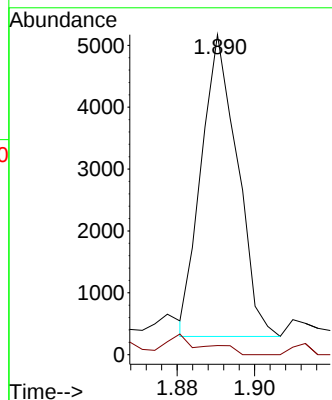
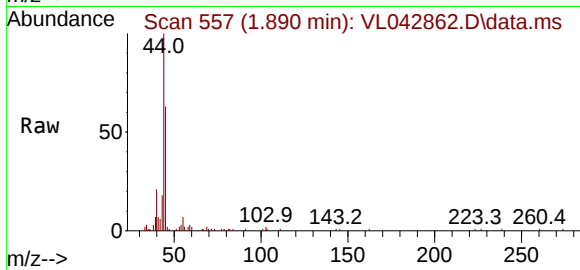
#19  
Isopropyl Alcohol  
Concen: 0.315 ppbv  
RT: 1.890 min Scan# 556  
Delta R.T. 0.003 min  
Lab File: VL042862.D  
Acq: 13 Aug 2025 21:26

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

Tgt Ion: 45 Resp: 315  
Ion Ratio Lower Upper  
45 100  
58 818.1 32.7 49.1

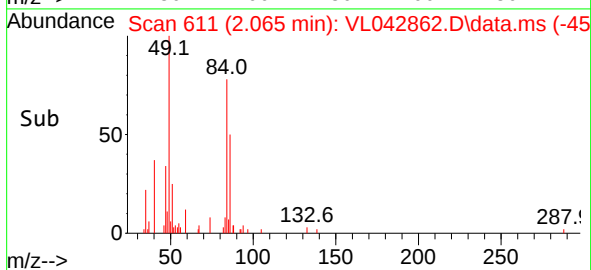
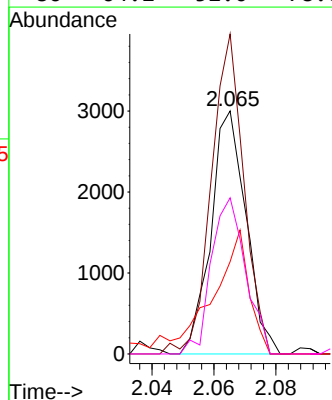
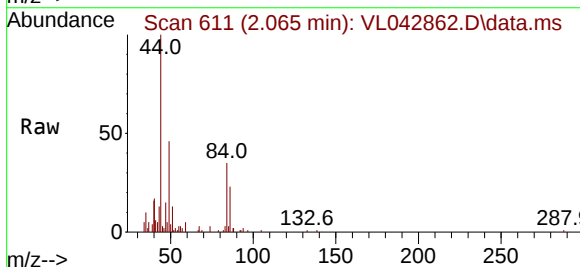
Manual Integrations  
APPROVED

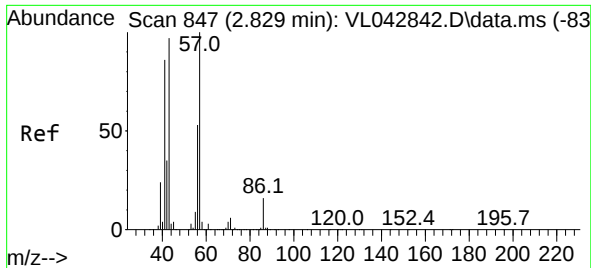
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025



#20  
Methylene Chloride  
Concen: 0.336 ppbv  
RT: 2.065 min Scan# 611  
Delta R.T. -0.000 min  
Lab File: VL042862.D  
Acq: 13 Aug 2025 21:26

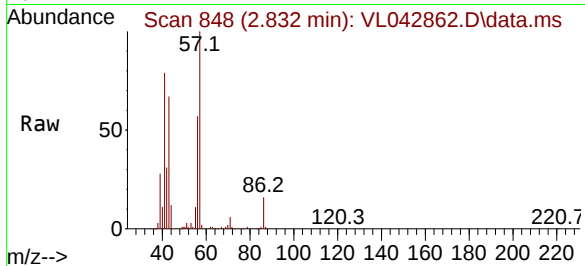
Tgt Ion: 84 Resp: 2362  
Ion Ratio Lower Upper  
84 100  
49 131.6 112.3 168.5  
51 38.0 36.0 54.0  
86 64.2 52.0 78.0





#26  
Hexane  
Concen: 1.278 ppbv  
RT: 2.832 min Scan# 847  
Delta R.T. 0.003 min  
Lab File: VL042862.D  
Acq: 13 Aug 2025 21:26

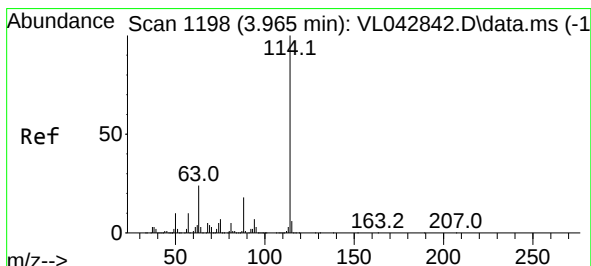
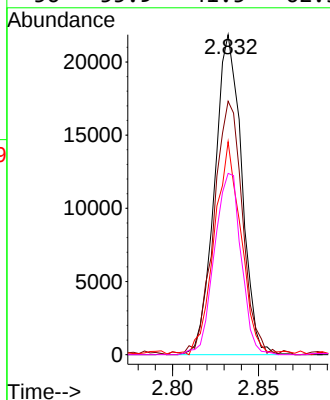
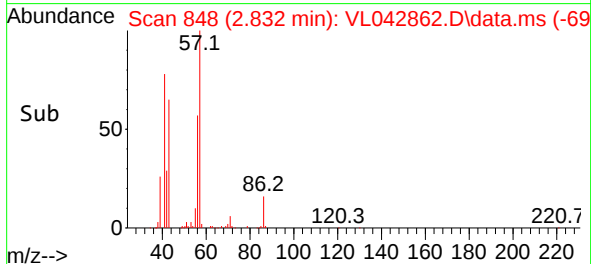
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1



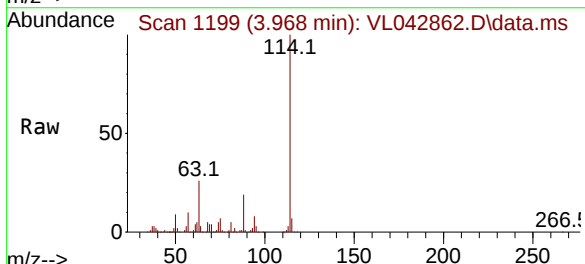
Tgt Ion: 57 Resp: 23928  
Ion Ratio Lower Upper  
57 100  
41 84.1 68.6 103.0  
43 66.4 168.5 252.7  
56 55.9 41.5 62.3

Manual Integrations  
APPROVED

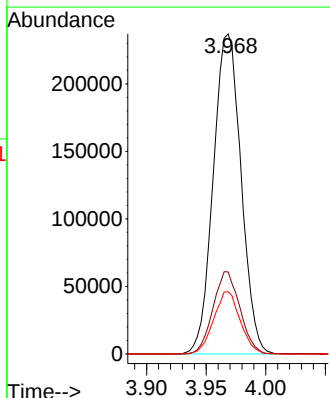
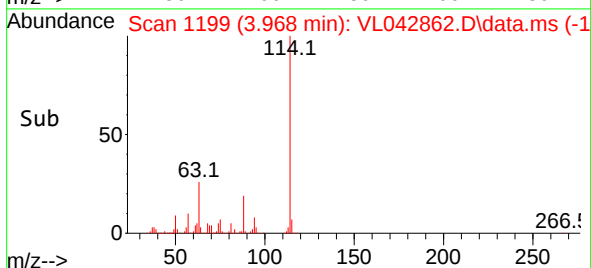
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025

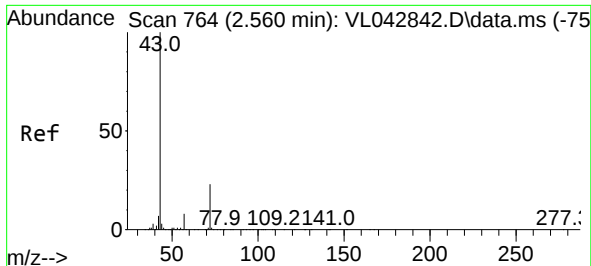


#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.968 min Scan# 1199  
Delta R.T. 0.003 min  
Lab File: VL042862.D  
Acq: 13 Aug 2025 21:26



Tgt Ion:114 Resp: 384213  
Ion Ratio Lower Upper  
114 100  
63 24.9 19.7 29.5  
88 18.6 14.4 21.6





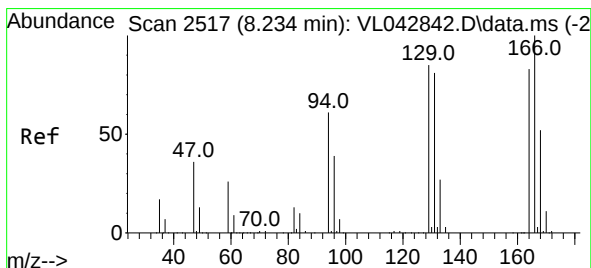
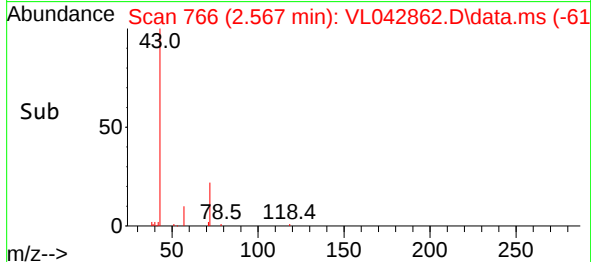
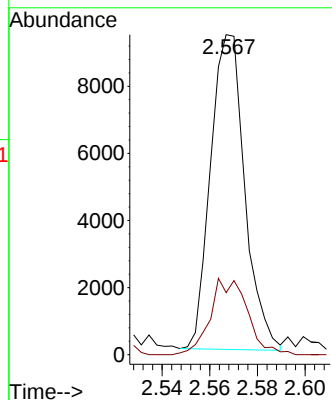
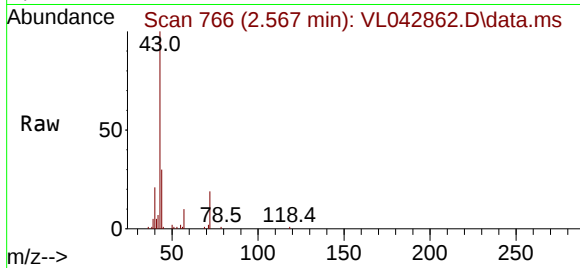
#34  
2-Butanone  
Concen: 0.361 ppbv  
RT: 2.567 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VL042862.D  
Acq: 13 Aug 2025 21:26

Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1

Tgt Ion: 43 Resp: 935  
Ion Ratio Lower Upper  
43 100  
72 26.2 18.6 28.0

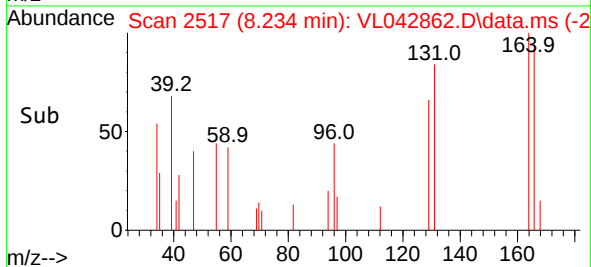
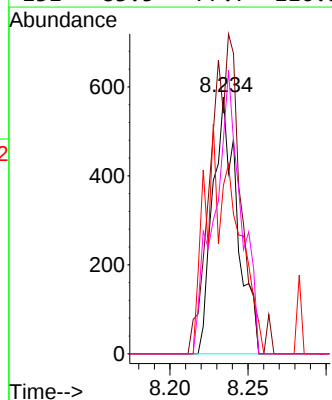
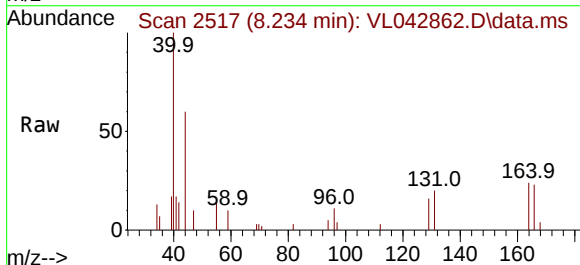
Manual Integrations  
APPROVED

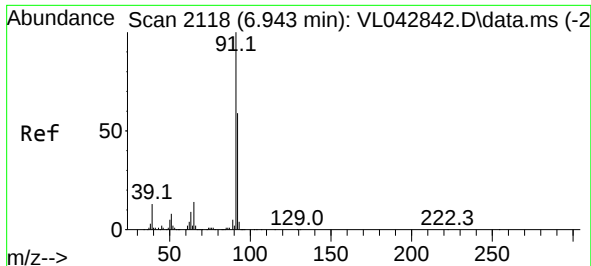
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025



#52  
Tetrachloroethene  
Concen: 0.048 ppbv m  
RT: 8.234 min Scan# 2517  
Delta R.T. -0.000 min  
Lab File: VL042862.D  
Acq: 13 Aug 2025 21:26

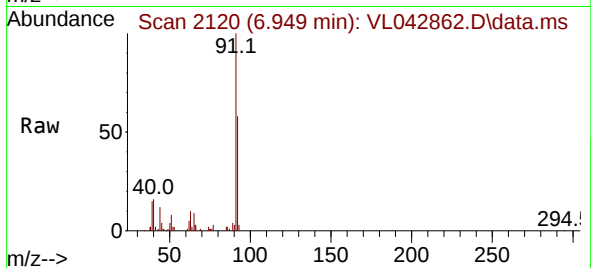
Tgt Ion:164 Resp: 633  
Ion Ratio Lower Upper  
164 100  
166 93.8 96.5 144.7#  
129 65.7 81.8 122.6#  
131 83.5 77.7 116.5





#53  
Toluene  
Concen: 0.548 ppbv  
RT: 6.949 min Scan# 2118  
Delta R.T. 0.006 min  
Lab File: VL042862.D  
Acq: 13 Aug 2025 21:26

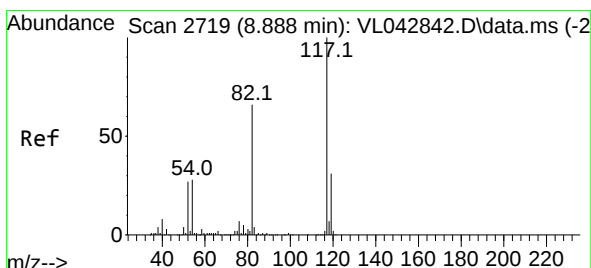
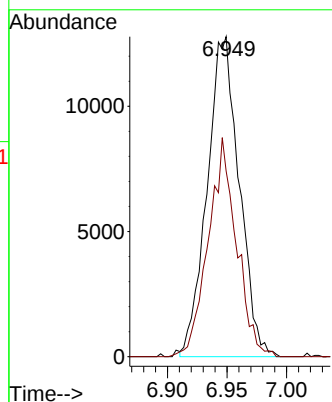
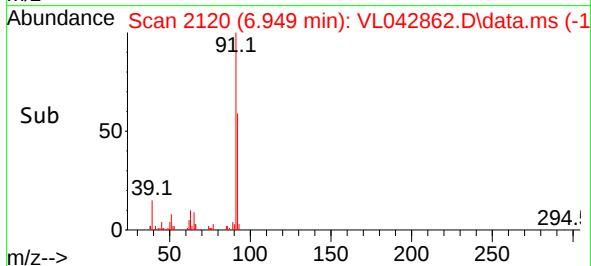
Instrument :  
MSVOA\_L  
ClientSampleId :  
SV1



Tgt Ion: 91 Resp: 2395  
Ion Ratio Lower Upper  
91 100  
92 60.2 47.8 71.6

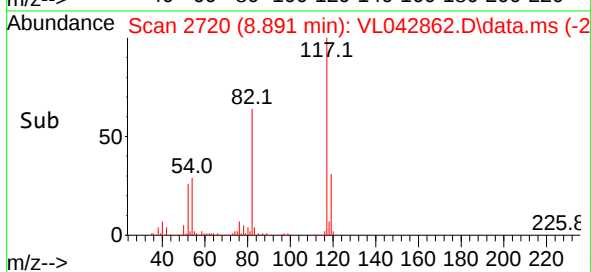
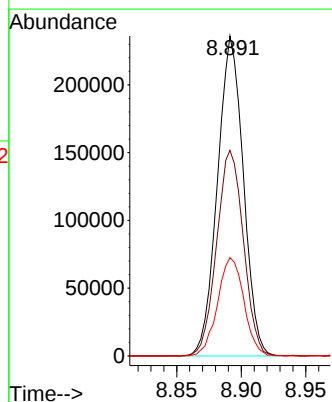
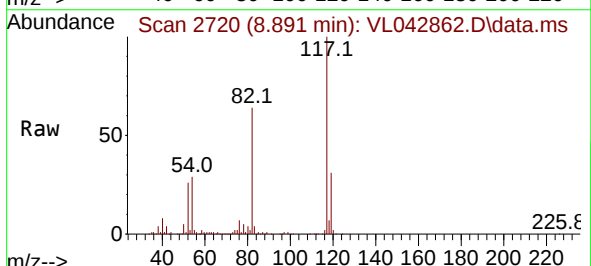
Manual Integrations  
APPROVED

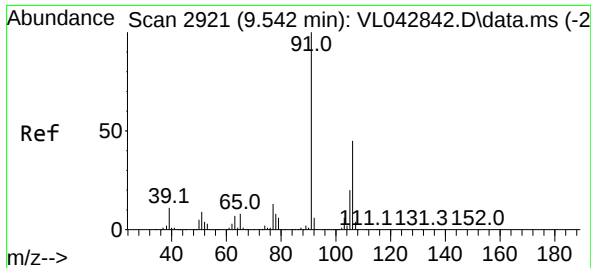
Reviewed By :Semsettin Yesilyurt 08/14/2025  
Supervised By :Mahesh Dadoda 08/18/2025



#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.891 min Scan# 2720  
Delta R.T. 0.003 min  
Lab File: VL042862.D  
Acq: 13 Aug 2025 21:26

Tgt Ion:117 Resp: 328630  
Ion Ratio Lower Upper  
117 100  
82 66.5 54.6 81.8  
119 31.3 25.9 38.9





#59

m/p-Xylene

Concen: 0.104 ppbv m

RT: 9.545 min Scan# 2921

Delta R.T. 0.003 min

Lab File: VL042862.D

Acq: 13 Aug 2025 21:26

Instrument :

MSVOA\_L

ClientSampleId :

SV1

Tgt Ion: 91 Resp: 4739

Ion Ratio Lower Upper

91 100

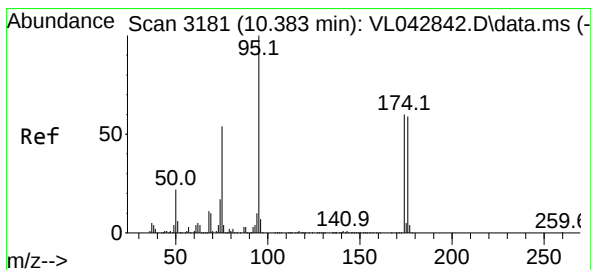
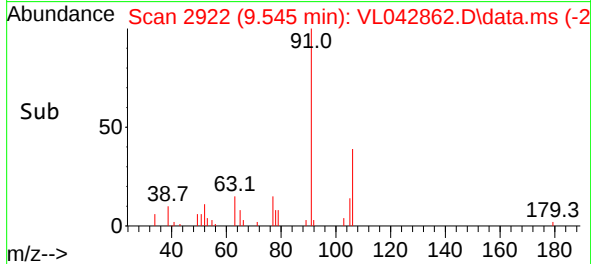
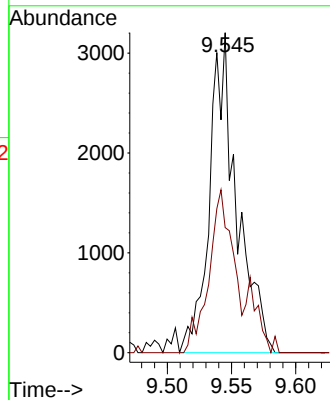
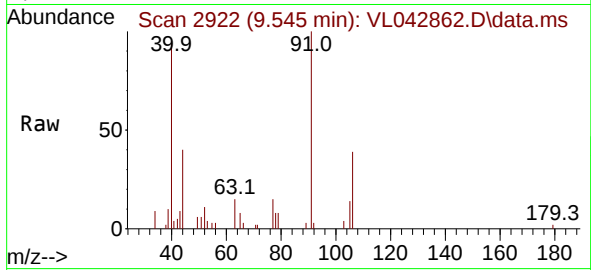
106 55.7 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/14/2025

Supervised By :Mahesh Dadoda 08/18/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.178 ppbv

RT: 10.387 min Scan# 3182

Delta R.T. 0.003 min

Lab File: VL042862.D

Acq: 13 Aug 2025 21:26

Tgt Ion: 95 Resp: 250839

Ion Ratio Lower Upper

95 100

174 56.7 48.4 72.6

175 4.1 3.8 5.8

