

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL050525\  
 Data File : VL042483.D  
 Acq On : 05 May 2025 19:15  
 Operator : SY/MD  
 Sample : Q1927-06  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 EBR-P04-SC-IA01-20250428

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2025  
 Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:45:26 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri 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       | 2.787     | 49    | 69784    | 10.000   | ppbv       | 0.00     |
| 33) 1,4-Difluorobenzene     | 3.959     | 114   | 186712   | 10.000   | ppbv       | 0.00     |
| 55) Chlorobenzene-d5        | 8.882     | 117   | 154199   | 10.000   | ppbv       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.377    | 95    | 143708   | 10.052   | ppbv       | 0.00     |
| Spiked Amount               | 10.000    | Range | 65 - 135 | Recovery | = 100.500% |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane  | 1.496     | 85    | 6496     | 0.563    | ppbv       | 95       |
| 3) Chlorodifluoromethane    | 1.470     | 51    | 8203m    | 0.672    | ppbv       |          |
| 4) Chloromethane            | 1.531     | 50    | 2807     | 0.582    | ppbv       | 97       |
| 9) Propene                  | 1.486     | 41    | 2890m    | 0.724    | ppbv       |          |
| 11) Trichlorofluoromethane  | 1.878     | 101   | 2631     | 0.247    | ppbv       | 100      |
| 13) Ethanol                 | 1.722     | 45    | 16777    | 20.702   | ppbv #     | 37       |
| 15) Acetone                 | 1.835     | 43    | 43287    | 3.398    | ppbv       | 99       |
| 19) Isopropyl Alcohol       | 1.887     | 45    | 18608    | 2.639    | ppbv #     | 98       |
| 20) Methylene Chloride      | 2.062     | 84    | 1623     | 0.424    | ppbv #     | 91       |
| 34) 2-Butanone              | 2.567     | 43    | 3685     | 0.273    | ppbv       | 98       |
| 35) Carbon Tetrachloride    | 3.761     | 117   | 1501m    | 0.088    | ppbv       |          |
| 36) Benzene                 | 3.658     | 78    | 1923m    | 0.109    | ppbv       |          |
| 53) Toluene                 | 6.923     | 91    | 3234m    | 0.173    | ppbv       |          |
| -----                       |           |       |          |          |            |          |

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

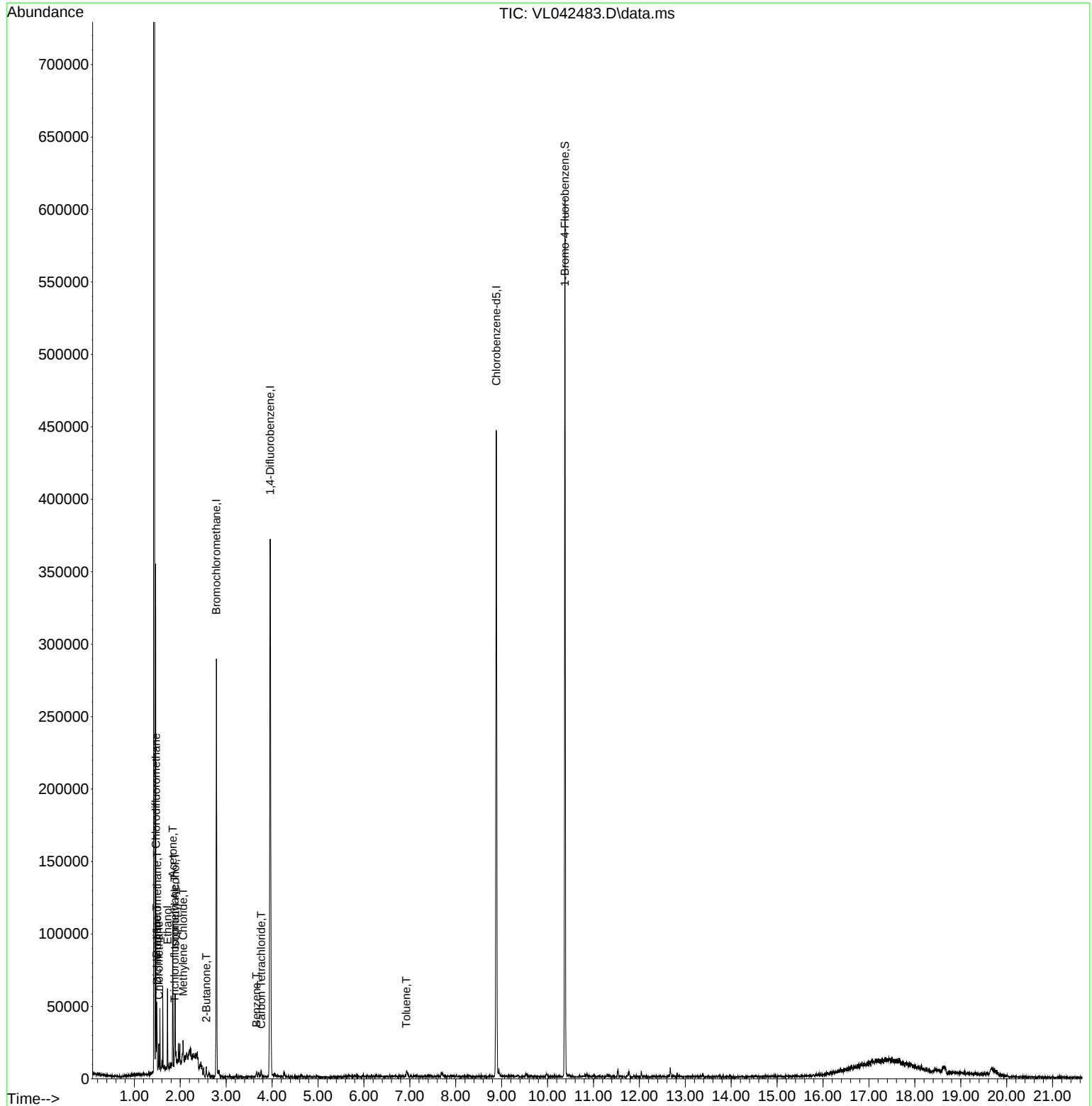
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL050525\  
Data File : VL042483.D  
Acq On : 05 May 2025 19:15  
Operator : SY/MD  
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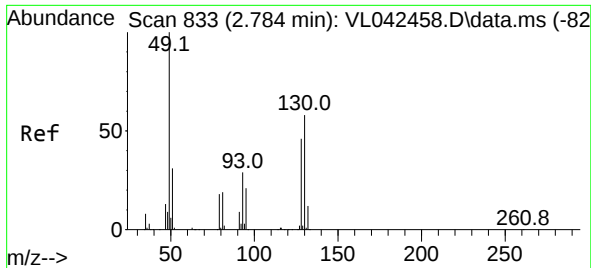
Instrument :  
MSVOA\_L  
ClientSampleId :  
EBR-P04-SC-IA01-20250428

Quant Time: May 06 01:45:26 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL050125AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug  
QLast Update : Fri May 02 03:16:31 2025  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025





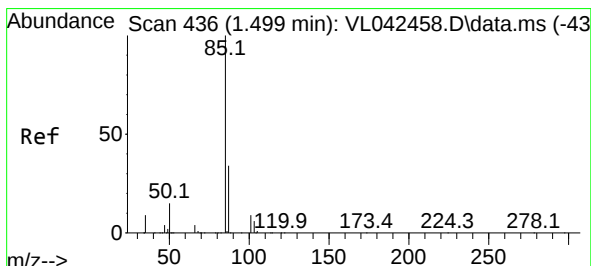
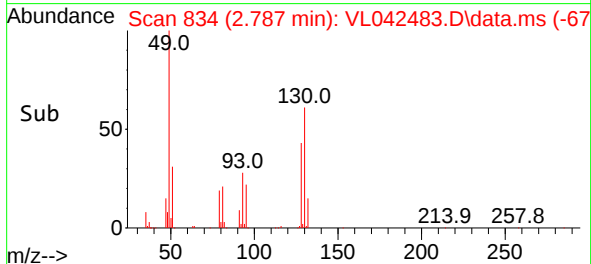
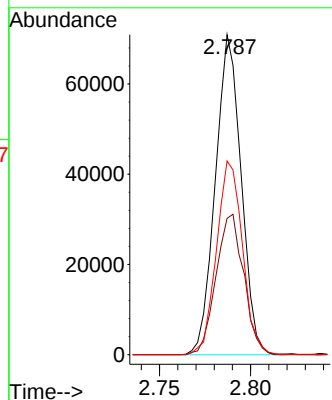
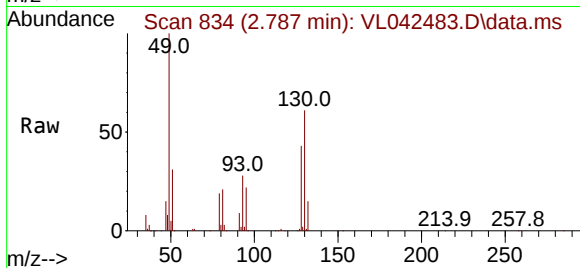
#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.787 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: VL042483.D  
Acq: 05 May 2025 19:15

Instrument :  
MSVOA\_L  
ClientSampleId :  
EBR-P04-SC-IA01-20250428

Tgt Ion: 49 Resp: 69784  
Ion Ratio Lower Upper  
49 100  
128 47.0 23.3 69.9  
130 61.0 29.5 88.6

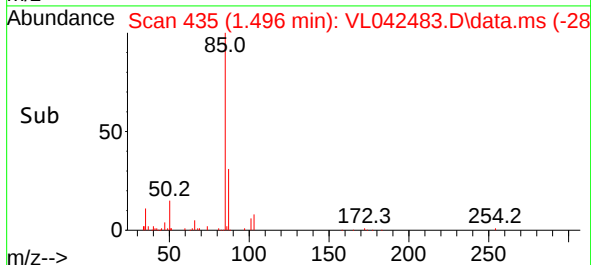
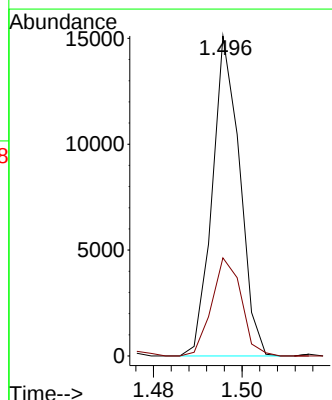
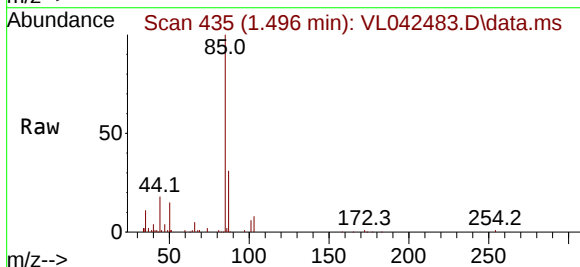
Manual Integrations  
APPROVED

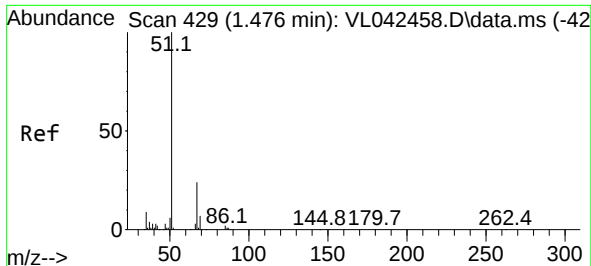
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#2  
Dichlorodifluoromethane  
Concen: 0.563 ppbv  
RT: 1.496 min Scan# 435  
Delta R.T. -0.003 min  
Lab File: VL042483.D  
Acq: 05 May 2025 19:15

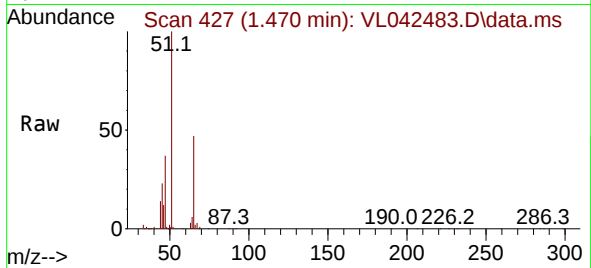
Tgt Ion: 85 Resp: 6496  
Ion Ratio Lower Upper  
85 100  
87 30.6 26.9 40.3





#3  
Chlorodifluoromethane  
Concen: 0.672 ppbv m  
RT: 1.470 min Scan# 429  
Delta R.T. -0.006 min  
Lab File: VL042483.D  
Acq: 05 May 2025 19:15

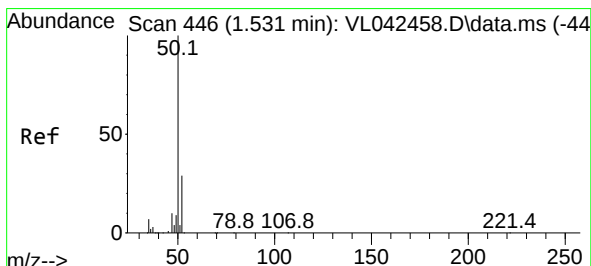
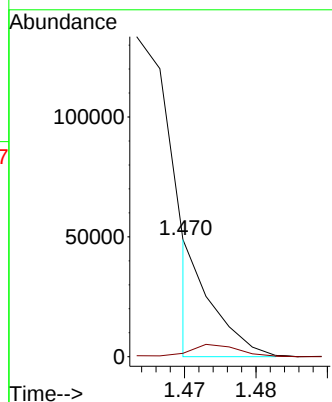
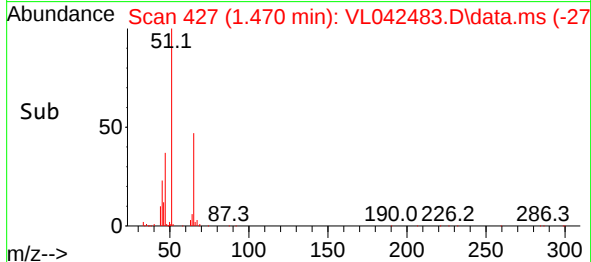
Instrument : MSVOA\_L  
ClientSampleId : EBR-P04-SC-IA01-20250428



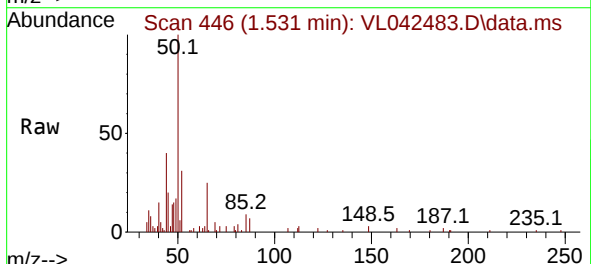
Tgt Ion: 51 Resp: 820  
Ion Ratio Lower Upper  
51 100  
67 30.4 18.4 27.6

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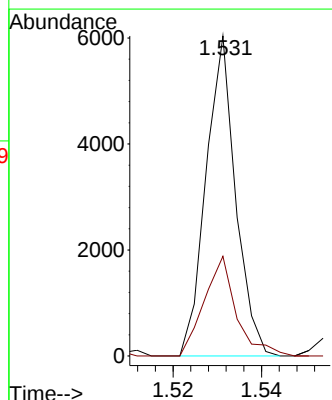
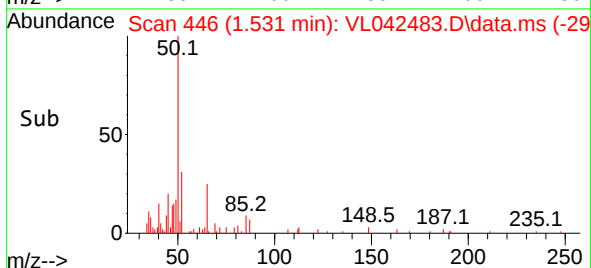
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025

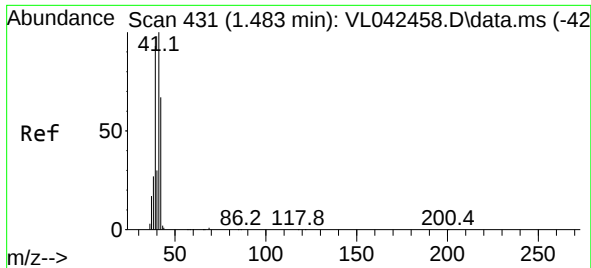


#4  
Chloromethane  
Concen: 0.582 ppbv  
RT: 1.531 min Scan# 446  
Delta R.T. 0.000 min  
Lab File: VL042483.D  
Acq: 05 May 2025 19:15



Tgt Ion: 50 Resp: 2807  
Ion Ratio Lower Upper  
50 100  
52 31.2 23.5 35.3





#9

Propene

Concen: 0.724 ppbv m

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042483.D

Acq: 05 May 2025 19:15

Instrument :

MSVOA\_L

ClientSampleId :

EBR-P04-SC-IA01-20250428

Tgt Ion: 41 Resp: 2890

Ion Ratio Lower Upper

41 100

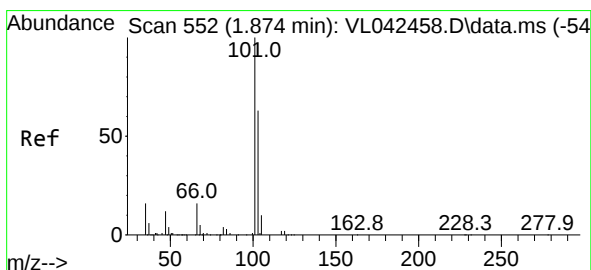
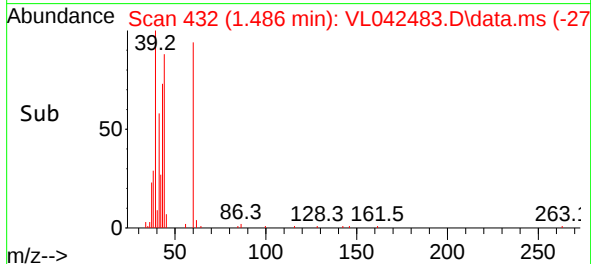
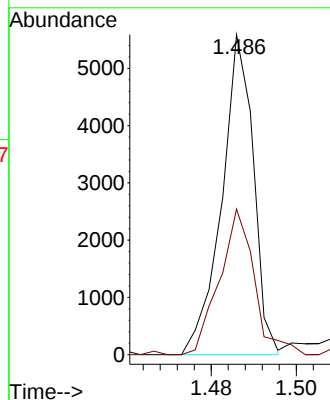
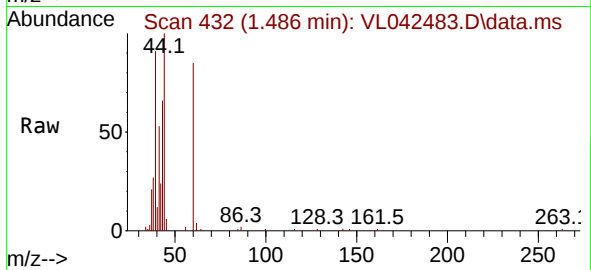
42 6.6 54.3 81.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#11

Trichlorofluoromethane

Concen: 0.247 ppbv

RT: 1.878 min Scan# 553

Delta R.T. 0.003 min

Lab File: VL042483.D

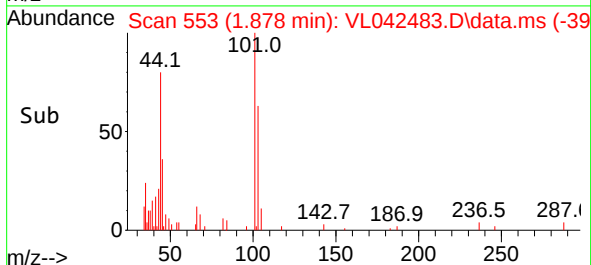
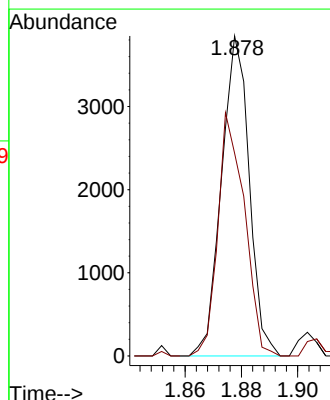
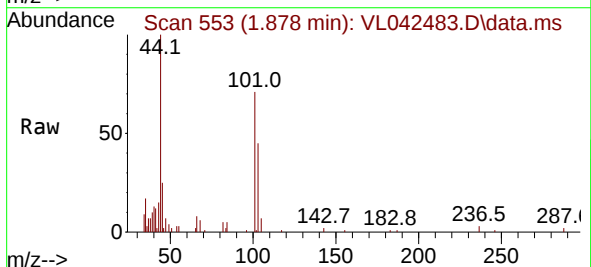
Acq: 05 May 2025 19:15

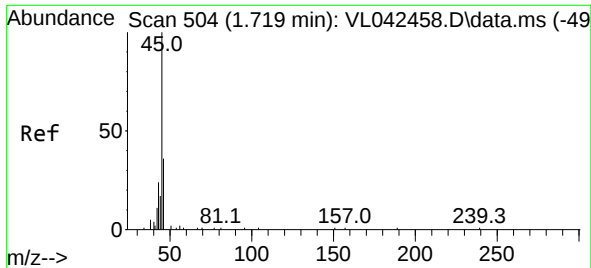
Tgt Ion:101 Resp: 2631

Ion Ratio Lower Upper

101 100

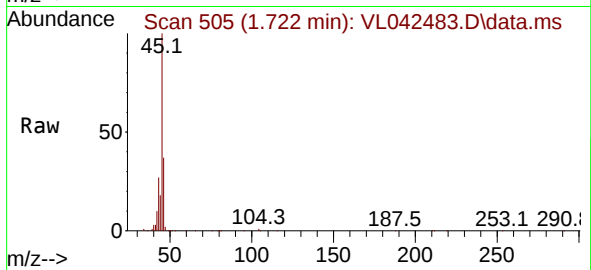
103 63.4 50.6 76.0





#13  
Ethanol  
Concen: 20.702 ppbv  
RT: 1.722 min Scan# 504  
Delta R.T. 0.003 min  
Lab File: VL042483.D  
Acq: 05 May 2025 19:15

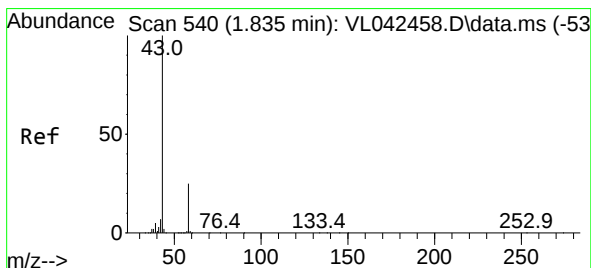
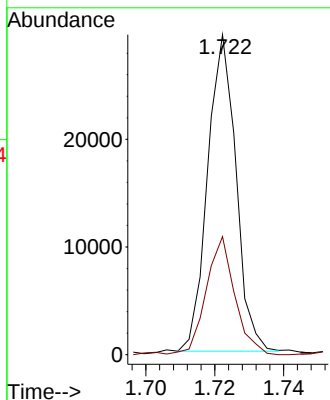
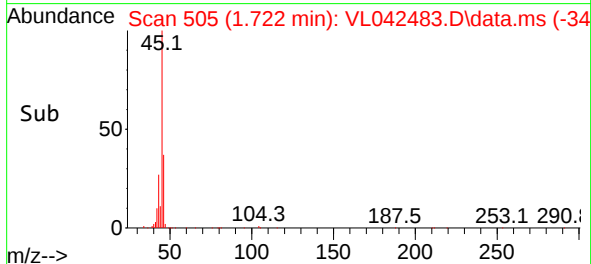
Instrument :  
MSVOA\_L  
ClientSampleId :  
EBR-P04-SC-IA01-20250428



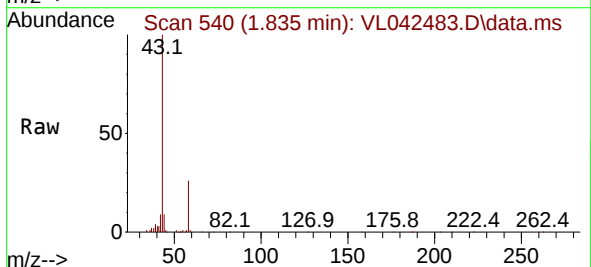
Tgt Ion: 45 Resp: 16772  
Ion Ratio Lower Upper  
45 100  
46 0.0 15.3 61.1

Manual Integrations  
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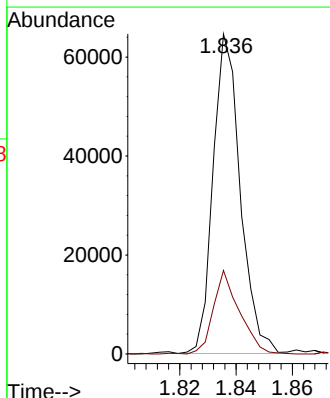
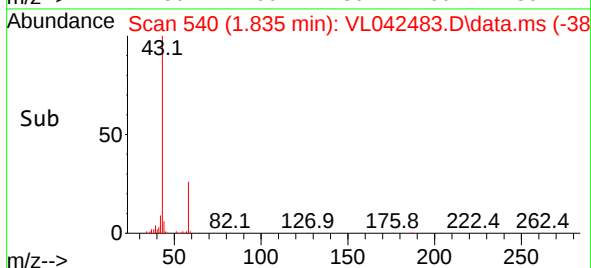
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025

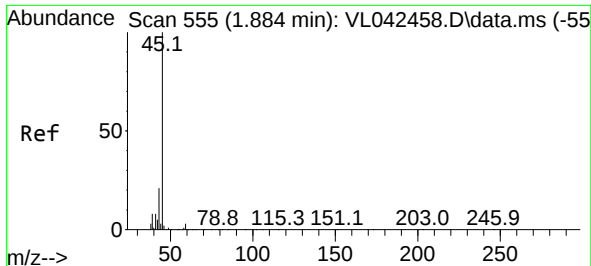


#15  
Acetone  
Concen: 3.398 ppbv  
RT: 1.835 min Scan# 540  
Delta R.T. 0.000 min  
Lab File: VL042483.D  
Acq: 05 May 2025 19:15



Tgt Ion: 43 Resp: 43287  
Ion Ratio Lower Upper  
43 100  
58 25.1 19.8 29.8





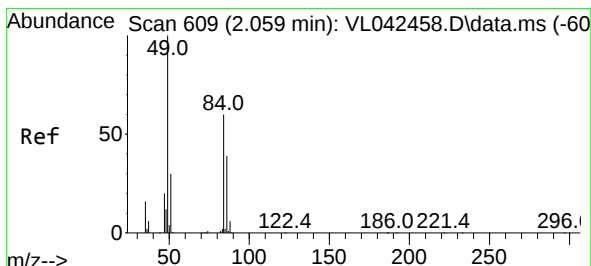
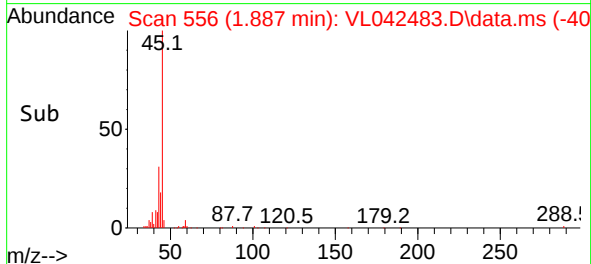
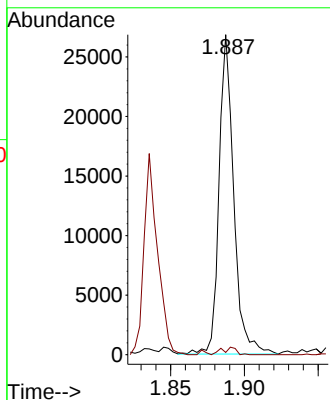
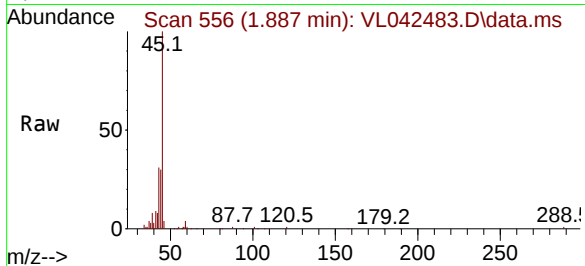
#19  
Isopropyl Alcohol  
Concen: 2.639 ppbv  
RT: 1.887 min Scan# 511  
Delta R.T. 0.003 min  
Lab File: VL042483.D  
Acq: 05 May 2025 19:15

Instrument : MSVOA\_L  
ClientSampleId : EBR-P04-SC-IA01-20250428

Tgt Ion: 45 Resp: 18608  
Ion Ratio Lower Upper  
45 100  
58 2.8 1.6 2.4

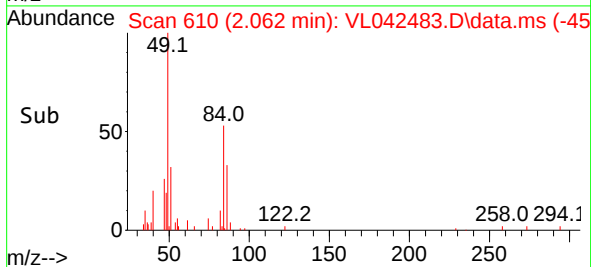
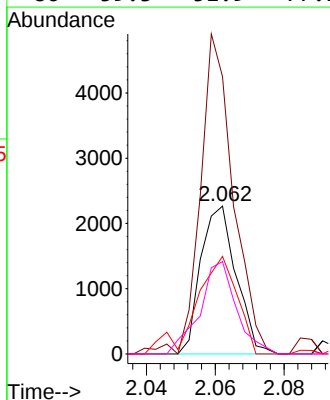
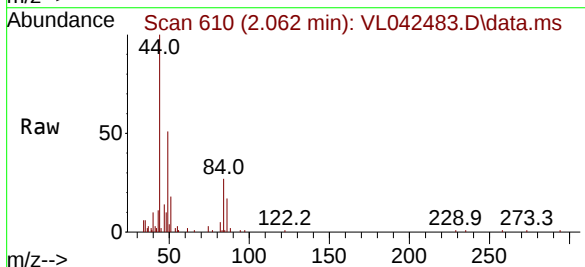
Manual Integrations  
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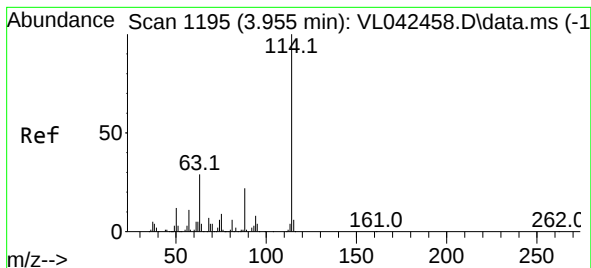
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#20  
Methylene Chloride  
Concen: 0.424 ppbv  
RT: 2.062 min Scan# 610  
Delta R.T. 0.003 min  
Lab File: VL042483.D  
Acq: 05 May 2025 19:15

Tgt Ion: 84 Resp: 1623  
Ion Ratio Lower Upper  
84 100  
49 177.9 133.9 200.9  
51 62.7 41.0 61.6  
86 59.3 51.9 77.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1195

Delta R.T. 0.003 min

Lab File: VL042483.D

Acq: 05 May 2025 19:15

Instrument :

MSVOA\_L

ClientSampleId :

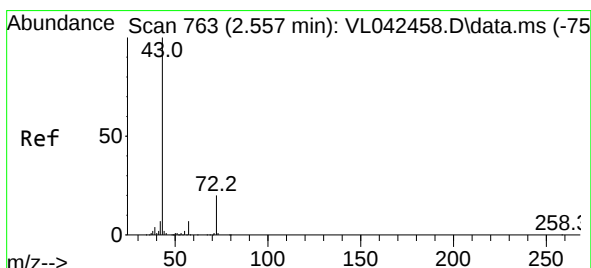
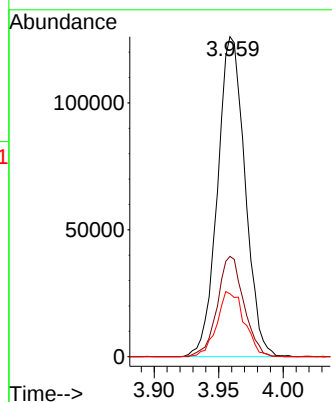
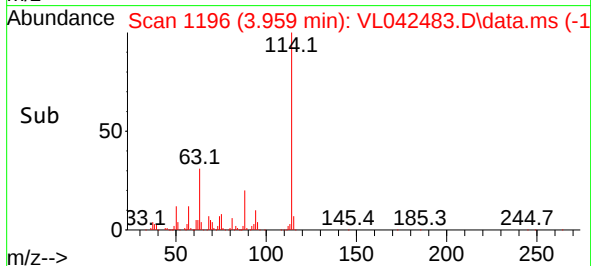
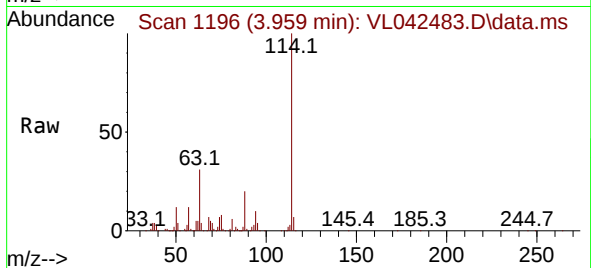
EBR-P04-SC-IA01-20250428

Tgt Ion:114 Resp: 186712  
 Ion Ratio Lower Upper  
 114 100  
 63 30.2 23.1 34.7  
 88 20.4 16.1 24.1

Manual Integrations

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#34

2-Butanone

Concen: 0.273 ppbv

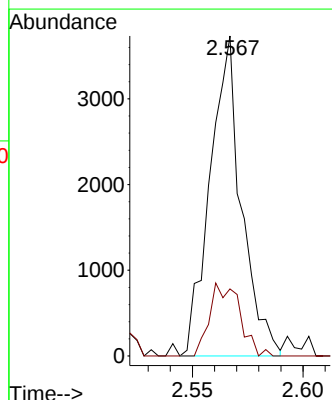
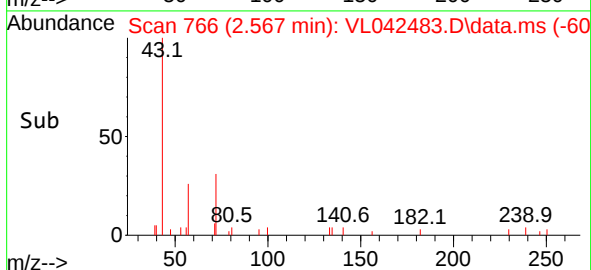
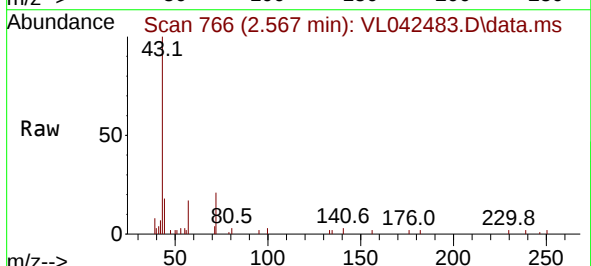
RT: 2.567 min Scan# 766

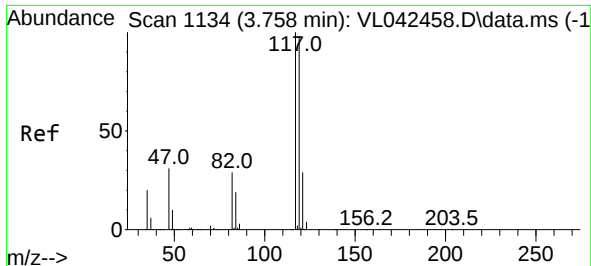
Delta R.T. 0.010 min

Lab File: VL042483.D

Acq: 05 May 2025 19:15

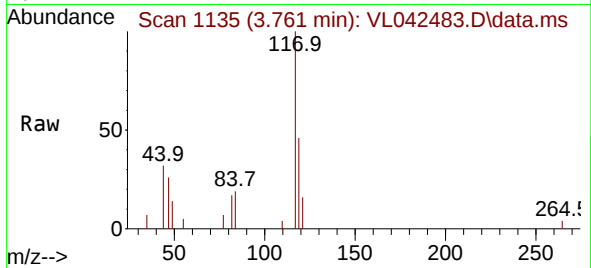
Tgt Ion: 43 Resp: 3685  
 Ion Ratio Lower Upper  
 43 100  
 72 21.8 16.7 25.1





#35  
Carbon Tetrachloride  
Concen: 0.088 ppbv m  
RT: 3.761 min Scan# 1135  
Delta R.T. 0.003 min  
Lab File: VL042483.D  
Acq: 05 May 2025 19:15

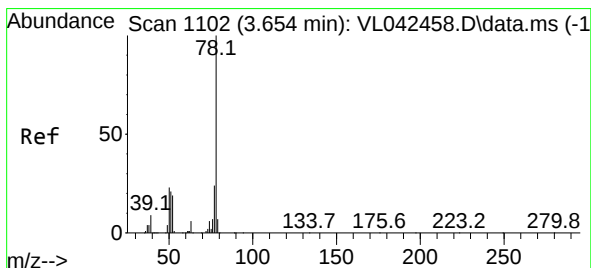
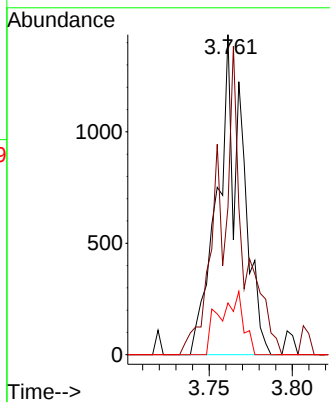
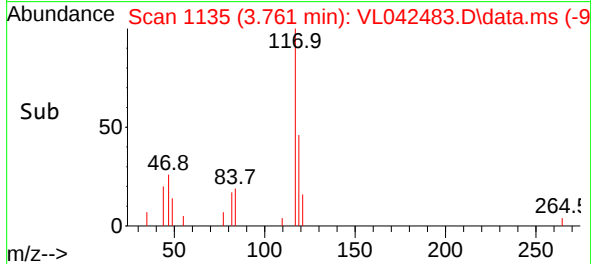
Instrument : MSVOA\_L  
ClientSampleId : EBR-P04-SC-IA01-20250428



Tgt Ion: 117 Resp: 1500  
Ion Ratio Lower Upper  
117 100  
119 46.0 78.1 117.1#  
121 16.2 23.0 34.6#

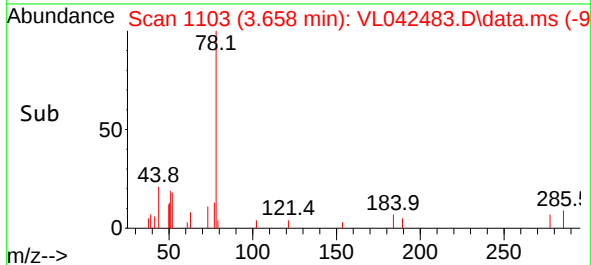
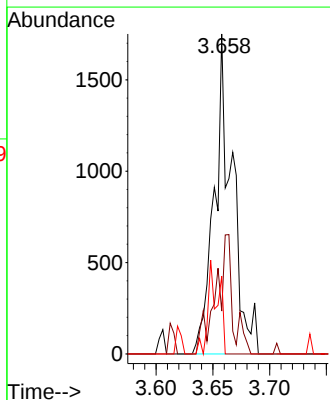
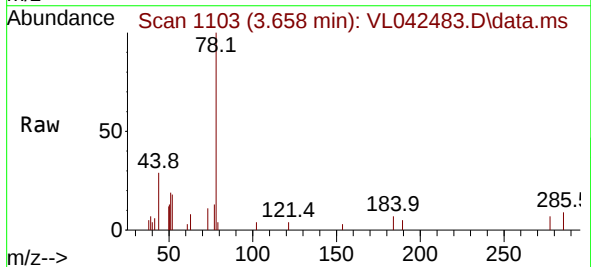
Manual Integrations  
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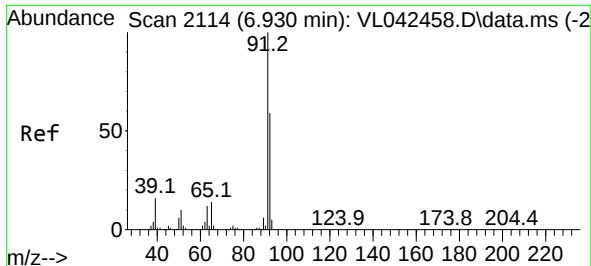
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#36  
Benzene  
Concen: 0.109 ppbv m  
RT: 3.658 min Scan# 1103  
Delta R.T. 0.003 min  
Lab File: VL042483.D  
Acq: 05 May 2025 19:15

Tgt Ion: 78 Resp: 1923  
Ion Ratio Lower Upper  
78 100  
77 13.4 18.9 28.3#  
50 12.6 18.4 27.6#





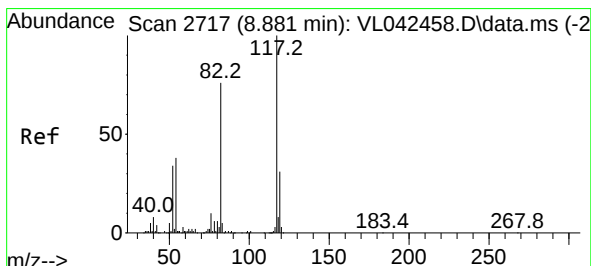
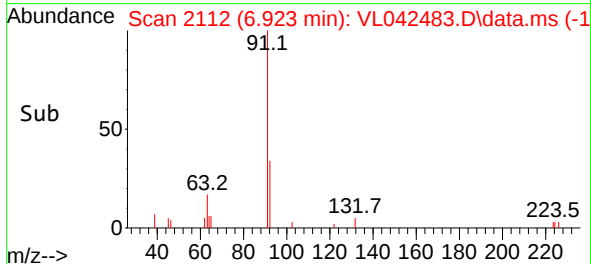
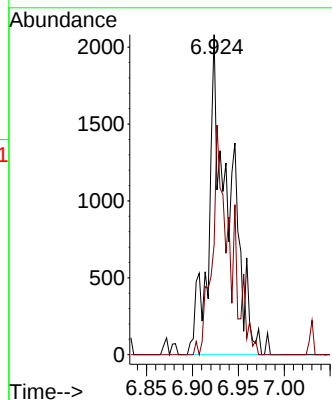
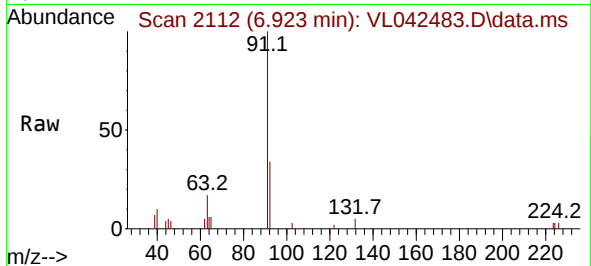
#53  
Toluene  
Concen: 0.173 ppbv m  
RT: 6.923 min Scan# 2114  
Delta R.T. -0.006 min  
Lab File: VL042483.D  
Acq: 05 May 2025 19:15

Instrument : MSVOA\_L  
ClientSampleId : EBR-P04-SC-IA01-20250428

Tgt Ion: 91 Resp: 3234  
Ion Ratio Lower Upper  
91 100  
92 61.3 47.9 71.9

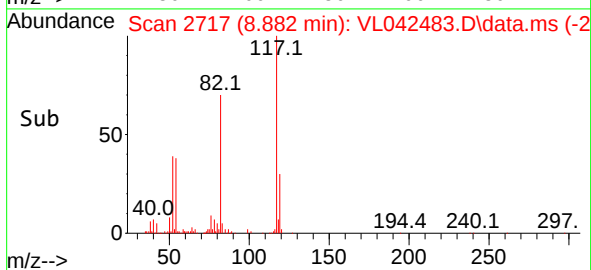
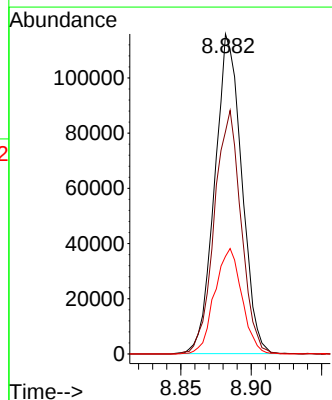
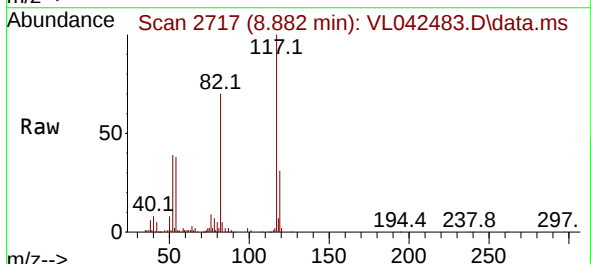
Manual Integrations  
APPROVED

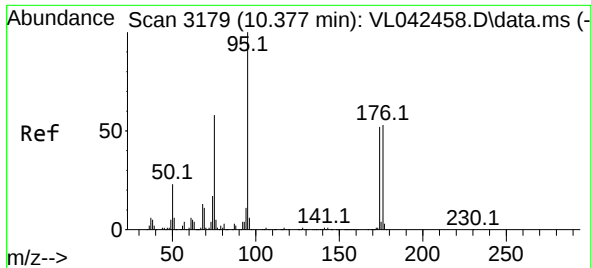
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.882 min Scan# 2717  
Delta R.T. 0.000 min  
Lab File: VL042483.D  
Acq: 05 May 2025 19:15

Tgt Ion:117 Resp: 154199  
Ion Ratio Lower Upper  
117 100  
82 75.9 63.5 95.3  
119 33.4 25.8 38.8





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.052 ppbv  
 RT: 10.377 min Scan# 3179  
 Delta R.T. 0.000 min  
 Lab File: VL042483.D  
 Acq: 05 May 2025 19:15

Instrument : MSVOA\_L  
 ClientSampleId : EBR-P04-SC-IA01-20250428

Tgt Ion: 95 Resp: 143708  
 Ion Ratio Lower Upper  
 95 100  
 174 55.7 42.7 64.1  
 175 4.5 3.6 5.4

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2025  
 Supervised By :Mahesh Dadoda 05/06/2025

