

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL050525\  
 Data File : VL042482.D  
 Acq On : 05 May 2025 18:39  
 Operator : SY/MD  
 Sample : Q1927-05DL 4X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 EBR-P07-SC-IA01-20250428DL

Manual Integrations  
 APPROVED

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

Quant Time: May 06 01:45:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL050125AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 2025  
 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       | 2.793  | 49    | 69770    | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 3.968  | 114   | 188330   | 10.000   | ppbv   | 0.01     |
| 55) Chlorobenzene-d5        | 8.891  | 117   | 156078   | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.383 | 95    | 143721   | 9.932    | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 99.300%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane  | 1.502  | 85    | 2459     | 0.213    | ppbv   | 92       |
| 4) Chloromethane            | 1.534  | 50    | 806      | 0.167    | ppbv # | 85       |
| 9) Propene                  | 1.492  | 41    | 1145     | 0.287    | ppbv   | 86       |
| 11) Trichlorofluoromethane  | 1.881  | 101   | 2432     | 0.228    | ppbv # | 78       |
| 13) Ethanol                 | 1.725  | 45    | 23751    | 29.313   | ppbv   | 99       |
| 15) Acetone                 | 1.842  | 43    | 15139    | 1.189    | ppbv   | 94       |
| 19) Isopropyl Alcohol       | 1.890  | 45    | 17192    | 2.439    | ppbv # | 96       |
| 20) Methylene Chloride      | 2.068  | 84    | 2318     | 0.605    | ppbv # | 59       |
| 34) 2-Butanone              | 2.567  | 43    | 1612m    | 0.118    | ppbv   |          |
| -----                       |        |       |          |          |        |          |

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

## Manual Integrations

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Abundance

TIC: VL042482.D\data.ms

750000

700000

650000

600000

550000

500000

450000

400000

350000

300000

250000

200000

150000

100000

50000

0

Time-->

1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00 21.00

1,4-Difluorobenzene, I

Bromochloromethane, I

Chlorobenzene-d5, I

1-Bromo-4-Fluorobenzene, S

2-Butanone, T

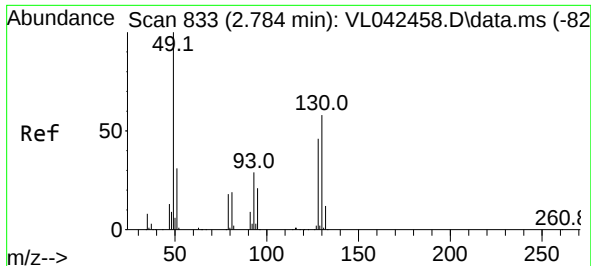
Chlorobenzene, I

1,2-Dichloroethane, T

Ethanol, T

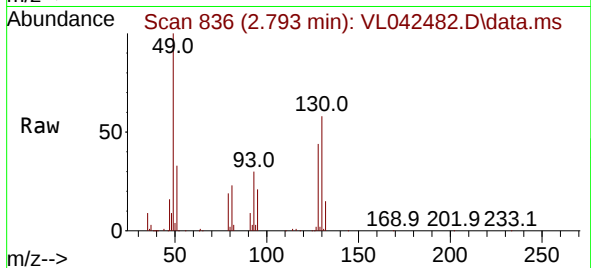
Acetone, T

Methylene Chloride, I



#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.793 min Scan# 81  
Delta R.T. 0.009 min  
Lab File: VL042482.D  
Acq: 05 May 2025 18:39

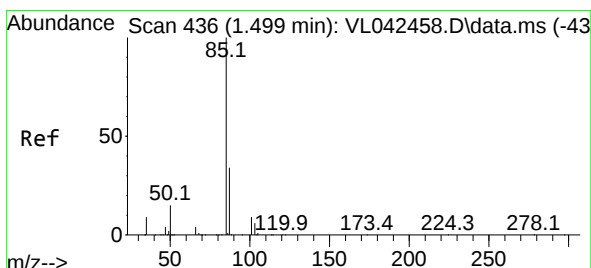
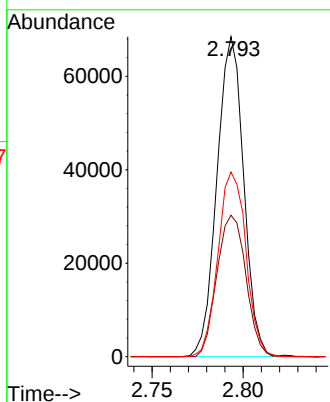
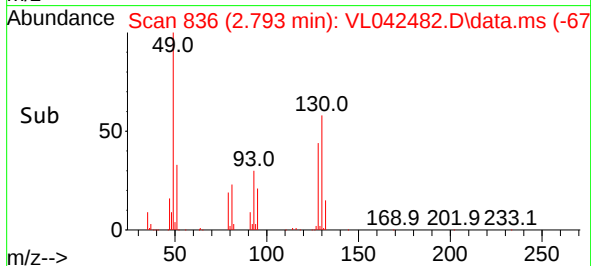
Instrument :  
MSVOA\_L  
ClientSampleId :  
EBR-P07-SC-IA01-20250428DL



Tgt Ion: 49 Resp: 69770  
Ion Ratio Lower Upper  
49 100  
128 48.0 23.3 69.9  
130 60.5 29.5 88.6

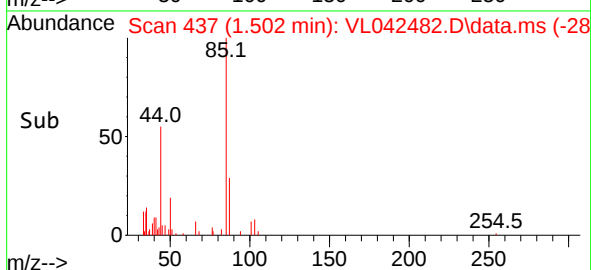
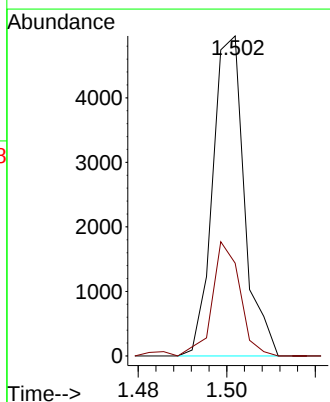
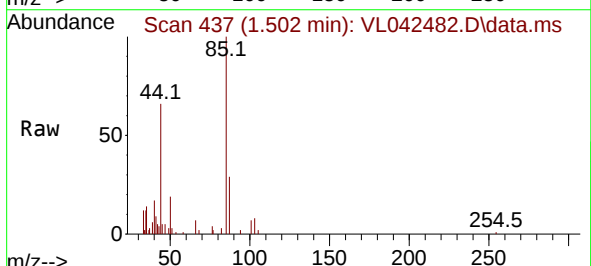
Manual Integrations  
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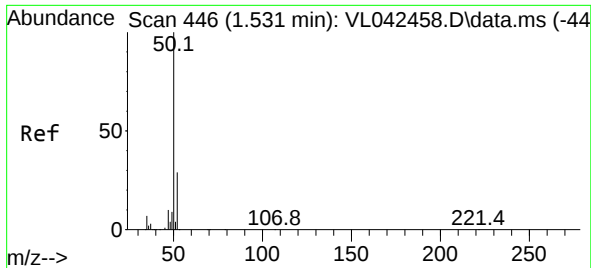
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#2  
Dichlorodifluoromethane  
Concen: 0.213 ppbv  
RT: 1.502 min Scan# 437  
Delta R.T. 0.003 min  
Lab File: VL042482.D  
Acq: 05 May 2025 18:39

Tgt Ion: 85 Resp: 2459  
Ion Ratio Lower Upper  
85 100  
87 29.0 26.9 40.3





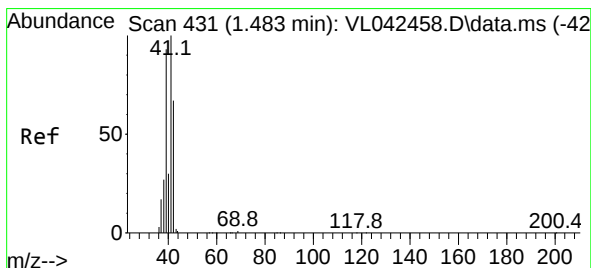
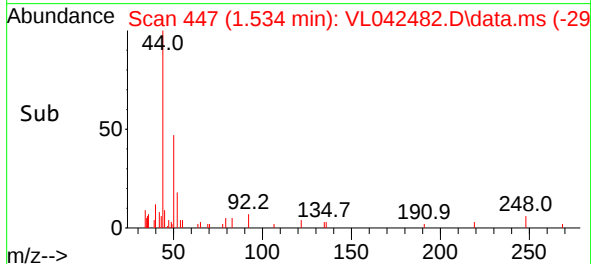
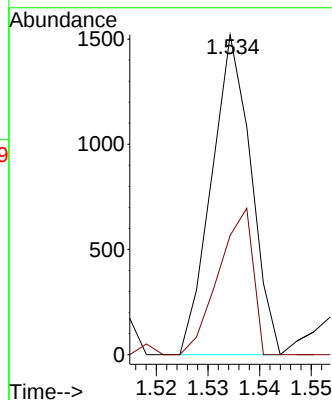
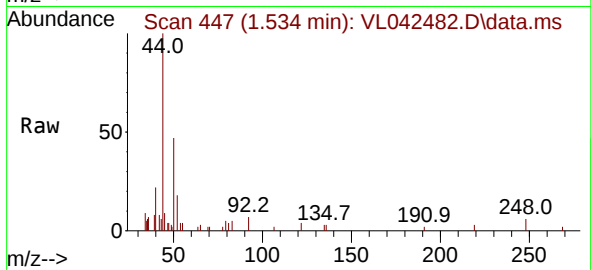
#4  
Chloromethane  
Concen: 0.167 ppbv  
RT: 1.534 min Scan# 446  
Delta R.T. 0.003 min  
Lab File: VL042482.D  
Acq: 05 May 2025 18:39

Instrument : MSVOA\_L  
ClientSampleId : EBR-P07-SC-IA01-20250428DL

Tgt Ion: 50 Resp: 800  
Ion Ratio Lower Upper  
50 100  
52 37.2 23.5 35.3

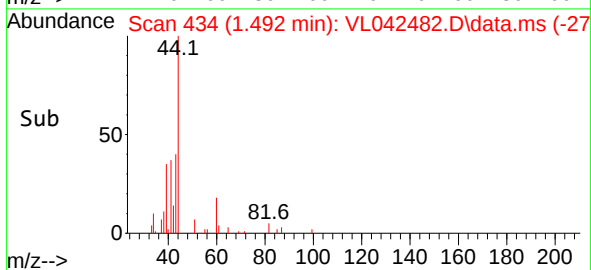
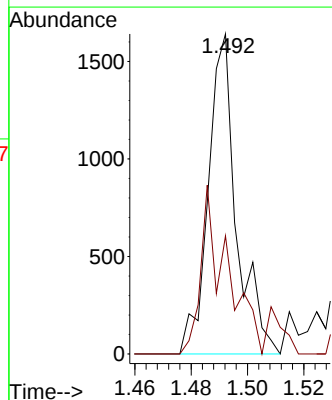
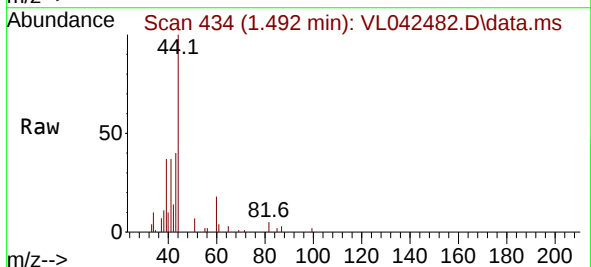
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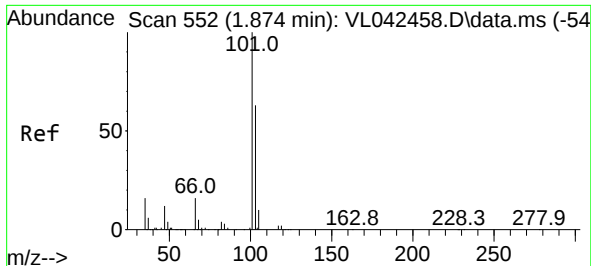
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#9  
Propene  
Concen: 0.287 ppbv  
RT: 1.492 min Scan# 434  
Delta R.T. 0.010 min  
Lab File: VL042482.D  
Acq: 05 May 2025 18:39

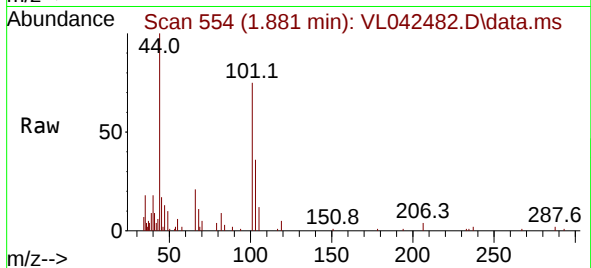
Tgt Ion: 41 Resp: 1145  
Ion Ratio Lower Upper  
41 100  
42 56.7 54.3 81.5





#11  
Trichlorofluoromethane  
Concen: 0.228 ppbv  
RT: 1.881 min Scan# 506  
Delta R.T. 0.006 min  
Lab File: VL042482.D  
Acq: 05 May 2025 18:39

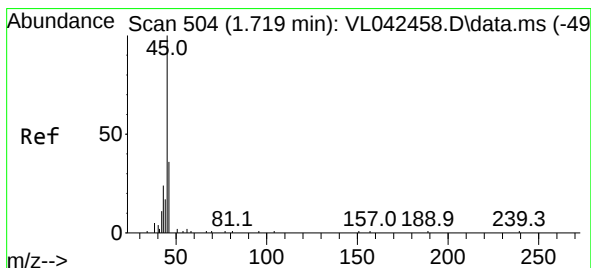
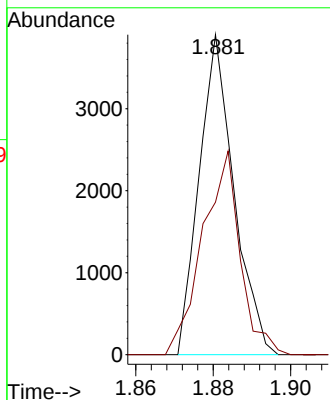
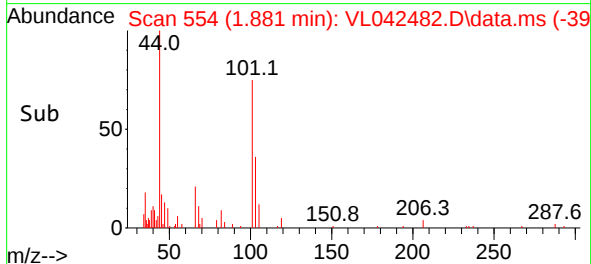
Instrument :  
MSVOA\_L  
ClientSampleId :  
EBR-P07-SC-IA01-20250428DL



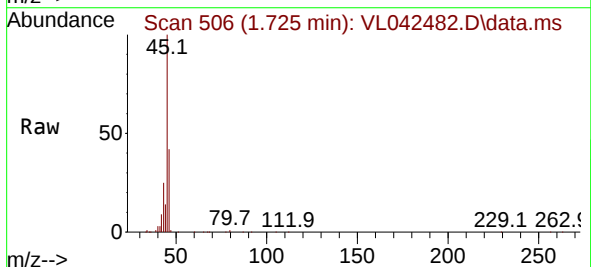
Tgt Ion:101 Resp: 2432  
Ion Ratio Lower Upper  
101 100  
103 46.1 50.6 76.0

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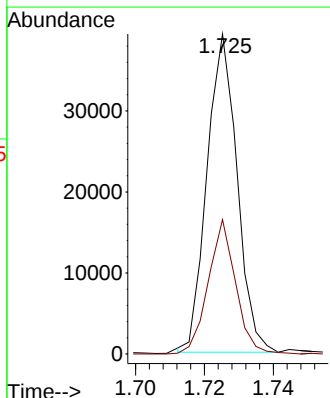
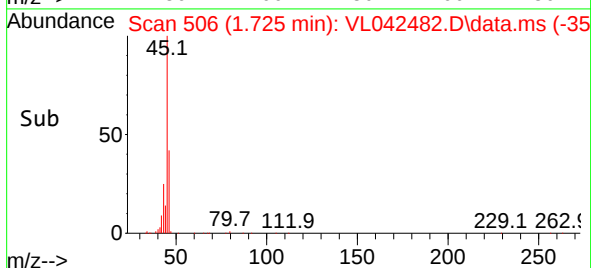
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025

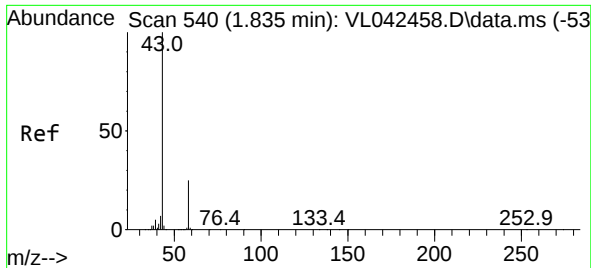


#13  
Ethanol  
Concen: 29.313 ppbv  
RT: 1.725 min Scan# 506  
Delta R.T. 0.006 min  
Lab File: VL042482.D  
Acq: 05 May 2025 18:39



Tgt Ion: 45 Resp: 23751  
Ion Ratio Lower Upper  
45 100  
46 39.0 15.3 61.1





#15

Acetone

Concen: 1.189 ppbv

RT: 1.842 min Scan# 54

Delta R.T. 0.006 min

Lab File: VL042482.D

Acq: 05 May 2025 18:39

Instrument :

MSVOA\_L

ClientSampleId :

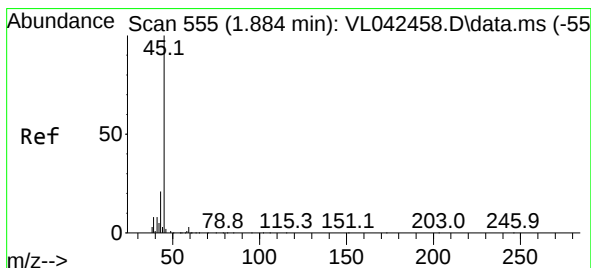
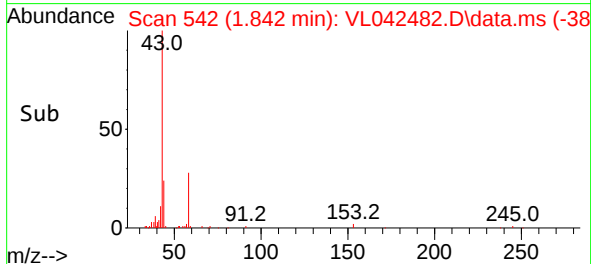
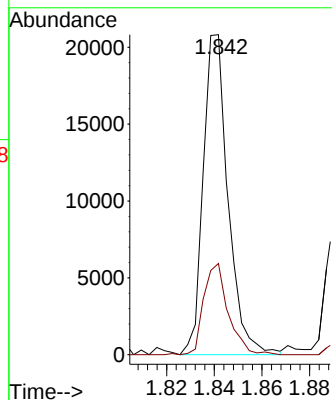
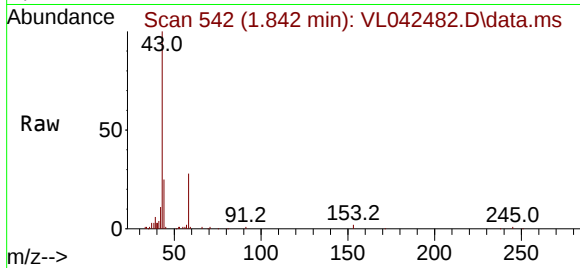
EBR-P07-SC-IA01-20250428DL

Tgt Ion: 43 Resp: 15139  
 Ion Ratio Lower Upper  
 43 100  
 58 28.0 19.8 29.8

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Reviewed By :Semsettin Yesilyurt 05/06/2025  
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#19

Isopropyl Alcohol

Concen: 2.439 ppbv

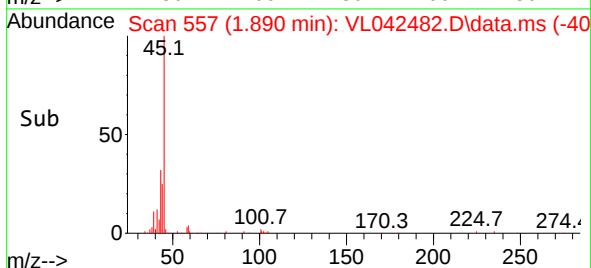
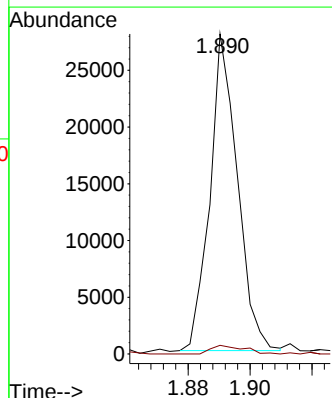
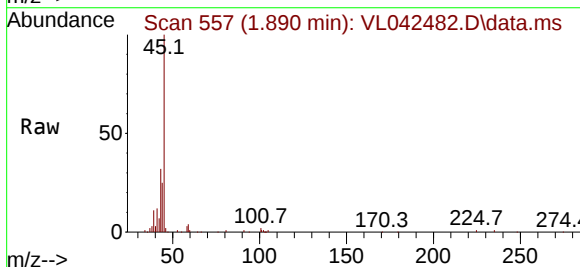
RT: 1.890 min Scan# 557

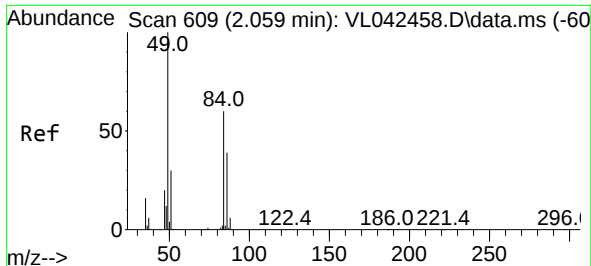
Delta R.T. 0.006 min

Lab File: VL042482.D

Acq: 05 May 2025 18:39

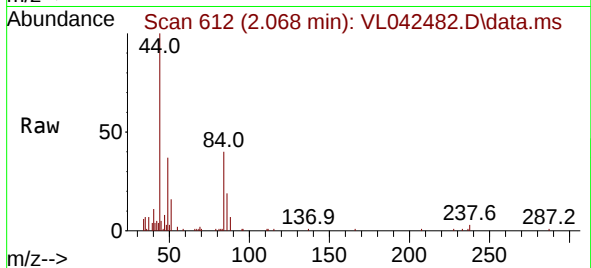
Tgt Ion: 45 Resp: 17192  
 Ion Ratio Lower Upper  
 45 100  
 58 3.5 1.6 2.4#





#20  
Methylene Chloride  
Concen: 0.605 ppbv  
RT: 2.068 min Scan# 612  
Delta R.T. 0.010 min  
Lab File: VL042482.D  
Acq: 05 May 2025 18:39

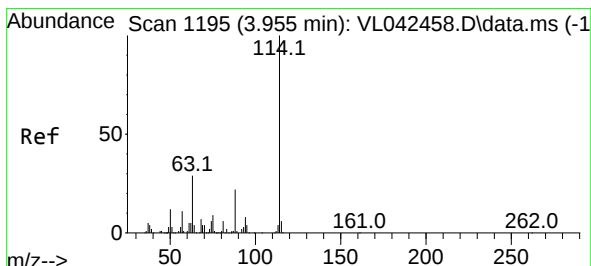
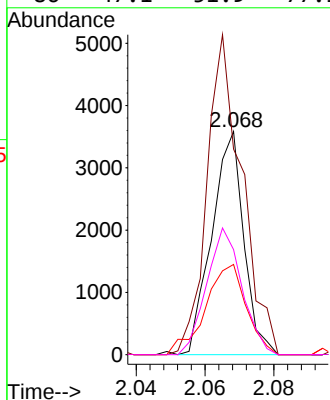
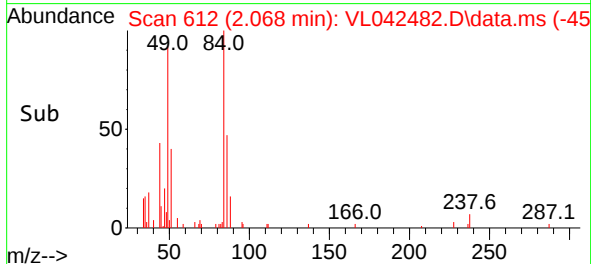
Instrument :  
MSVOA\_L  
ClientSampleId :  
EBR-P07-SC-IA01-20250428DL



Tgt Ion: 84 Resp: 2318  
Ion Ratio Lower Upper  
84 100  
49 92.2 133.9 200.9  
51 40.4 41.0 61.6  
86 47.1 51.9 77.9

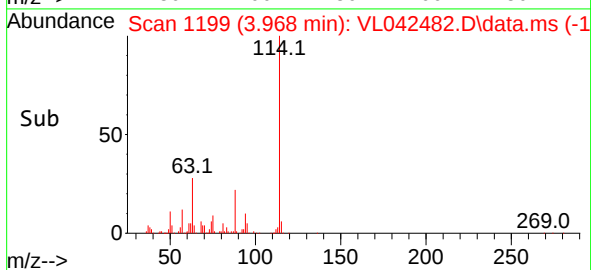
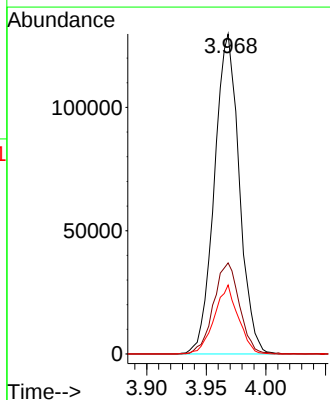
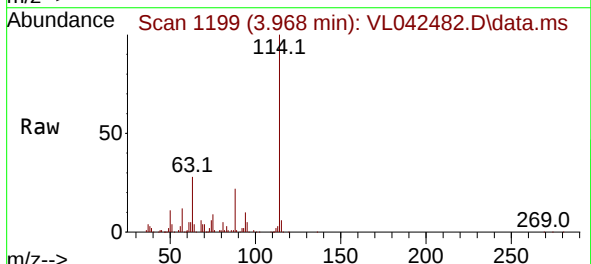
Manual Integrations  
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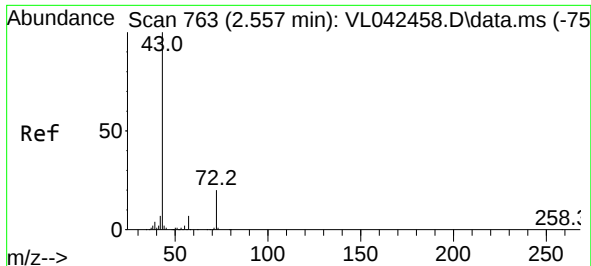
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.968 min Scan# 1199  
Delta R.T. 0.013 min  
Lab File: VL042482.D  
Acq: 05 May 2025 18:39

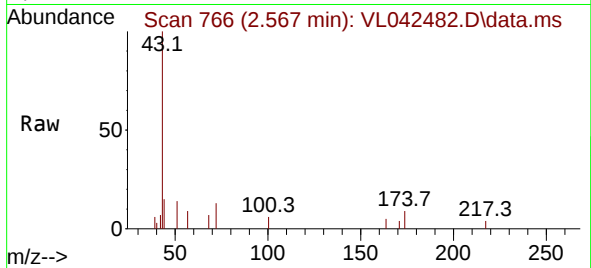
Tgt Ion:114 Resp: 188330  
Ion Ratio Lower Upper  
114 100  
63 29.8 23.1 34.7  
88 20.7 16.1 24.1





#34  
2-Butanone  
Concen: 0.118 ppbv m  
RT: 2.567 min Scan# 7  
Delta R.T. 0.010 min  
Lab File: VL042482.D  
Acq: 05 May 2025 18:39

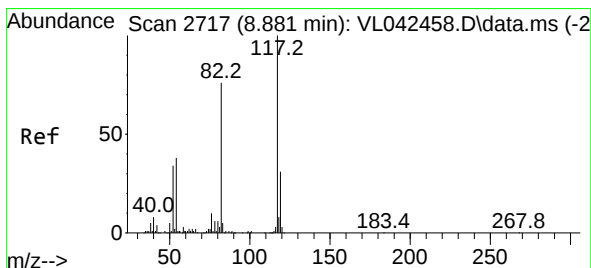
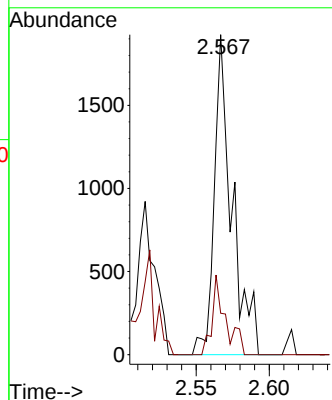
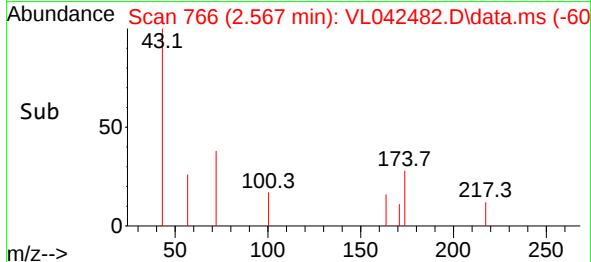
Instrument :  
MSVOA\_L  
ClientSampleId :  
EBR-P07-SC-IA01-20250428DL



Tgt Ion: 43 Resp: 161  
Ion Ratio Lower Upper  
43 100  
72 19.0 16.7 25.1

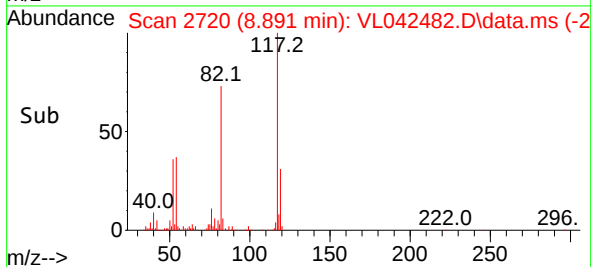
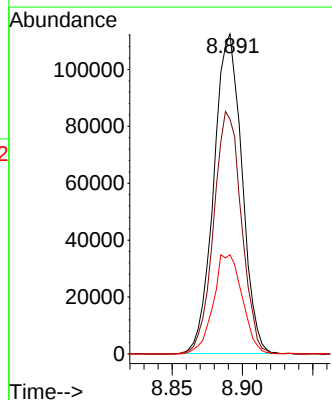
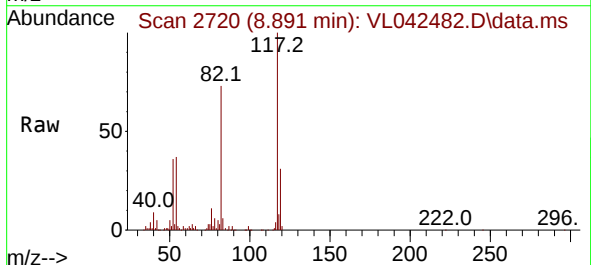
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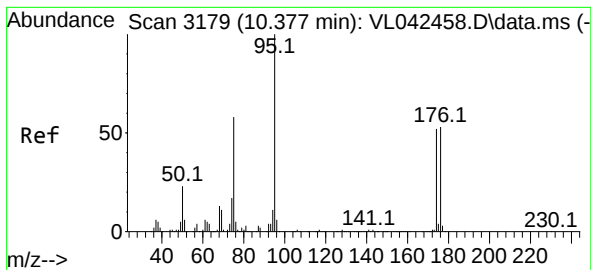
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.891 min Scan# 2720  
Delta R.T. 0.010 min  
Lab File: VL042482.D  
Acq: 05 May 2025 18:39

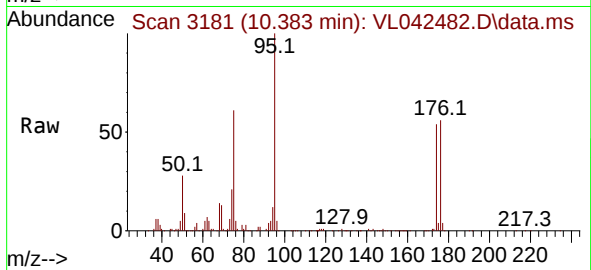
Tgt Ion:117 Resp: 156078  
Ion Ratio Lower Upper  
117 100  
82 75.2 63.5 95.3  
119 32.2 25.8 38.8





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.932 ppbv  
 RT: 10.383 min Scan# 3179  
 Delta R.T. 0.006 min  
 Lab File: VL042482.D  
 Acq: 05 May 2025 18:39

Instrument : MSVOA\_L  
 ClientSampleId : EBR-P07-SC-IA01-20250428DL



Tgt Ion: 95 Resp: 14372  
 Ion Ratio Lower Upper  
 95 100  
 174 52.8 42.7 64.1  
 175 4.0 3.6 5.4

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