

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL050525\  
 Data File : VL042477.D  
 Acq On : 05 May 2025 15:53  
 Operator : SY/MD  
 Sample : Q1927-01DUP  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 EBR-P06-SC-IA01-20250428DUP

Manual Integrations  
 APPROVED

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

Quant Time: May 06 01:42:48 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       | 2.790  | 49    | 73750    | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 3.965  | 114   | 201304   | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 8.888  | 117   | 172499   | 10.000   | ppbv   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.383 | 95    | 158397   | 9.904    | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 99.000%  |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane  | 1.499  | 85    | 5732     | 0.470    | ppbv   | 90       |
| 3) Chlorodifluoromethane    | 1.476  | 51    | 2768m    | 0.215    | ppbv   |          |
| 4) Chloromethane            | 1.534  | 50    | 2300     | 0.451    | ppbv # | 75       |
| 9) Propene                  | 1.489  | 41    | 5377m    | 1.274    | ppbv   |          |
| 11) Trichlorofluoromethane  | 1.881  | 101   | 2990m    | 0.265    | ppbv   |          |
| 13) Ethanol                 | 1.722  | 45    | 17711    | 20.679   | ppbv # | 37       |
| 15) Acetone                 | 1.839  | 43    | 170449   | 12.660   | ppbv   | 100      |
| 19) Isopropyl Alcohol       | 1.890  | 45    | 11026    | 1.480    | ppbv # | 1        |
| 20) Methylene Chloride      | 2.065  | 84    | 6814     | 1.684    | ppbv # | 79       |
| 26) Hexane                  | 2.829  | 57    | 2340     | 0.249    | ppbv # | 79       |
| 34) 2-Butanone              | 2.564  | 43    | 8535     | 0.586    | ppbv   | 98       |
| 35) Carbon Tetrachloride    | 3.771  | 117   | 1344     | 0.073    | ppbv # | 81       |
| 52) Tetrachloroethene       | 8.234  | 164   | 591m     | 0.082    | ppbv   |          |
| 53) Toluene                 | 6.946  | 91    | 8005m    | 0.398    | ppbv   |          |
| 58) Ethyl Benzene           | 9.364  | 91    | 4155m    | 0.144    | ppbv   |          |
| 59) m/p-Xylene              | 9.542  | 91    | 10120m   | 0.419    | ppbv   |          |
| 60) o-Xylene                | 9.966  | 91    | 3926m    | 0.162    | ppbv   |          |
| 61) Styrene                 | 9.875  | 104   | 1295     | 0.143    | ppbv # | 90       |
| -----                       |        |       |          |          |        |          |

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

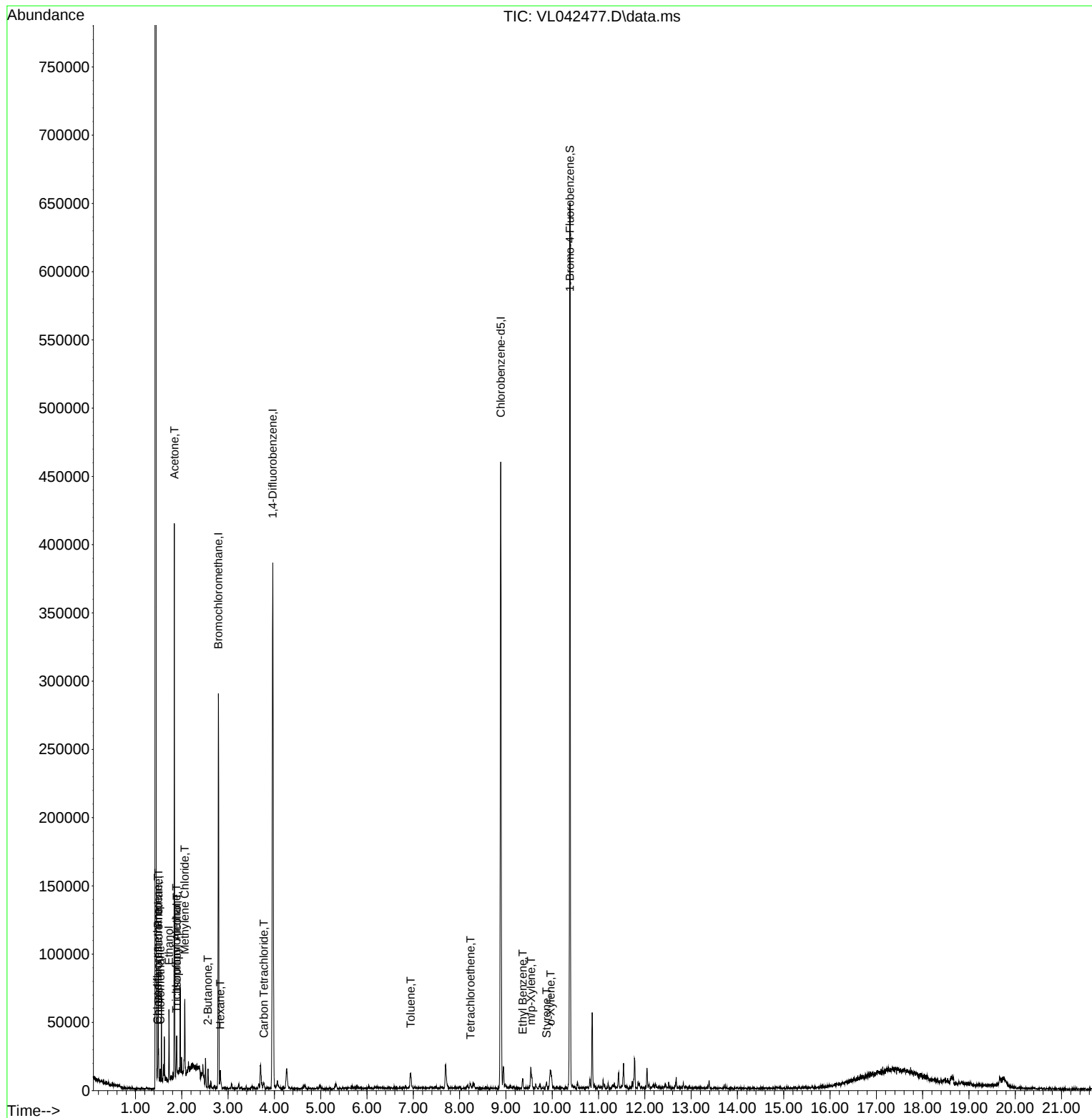
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL050525\  
Data File : VL042477.D  
Acq On : 05 May 2025 15:53  
Operator : SY/MD  
Sample : Q1927-01DUP  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

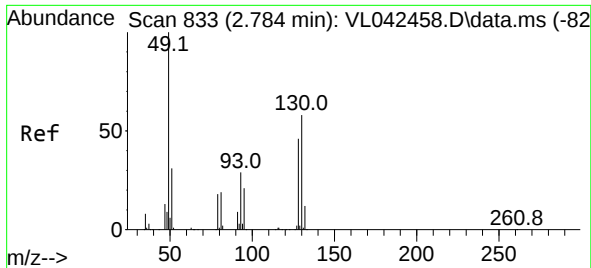
Instrument :  
MSVOA\_L  
ClientSampleId :  
EBR-P06-SC-IA01-20250428DUP

Quant Time: May 06 01:42:48 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





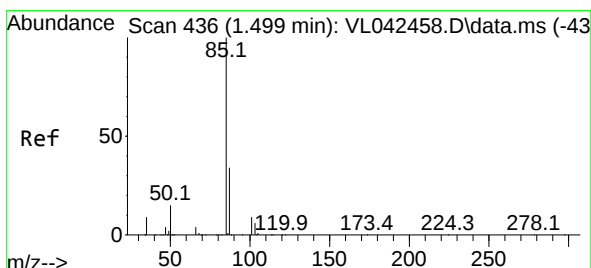
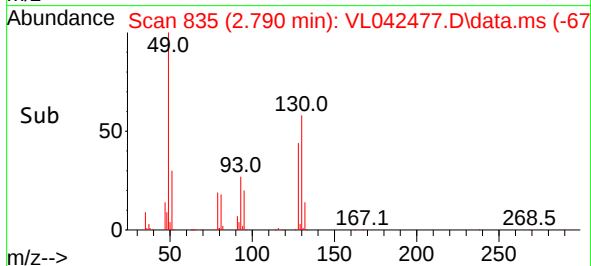
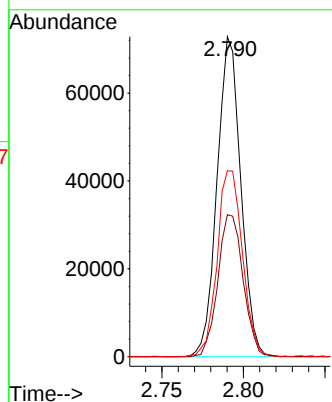
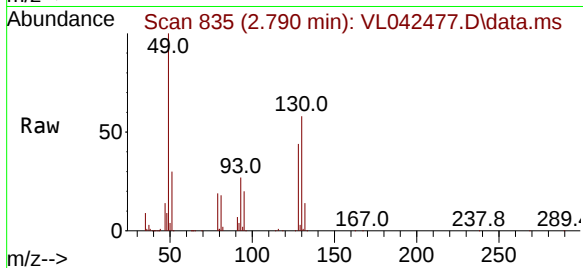
#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.790 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: VL042477.D  
Acq: 05 May 2025 15:53

Instrument :  
MSVOA\_L  
ClientSampleId :  
EBR-P06-SC-IA01-20250428DUP

Tgt Ion: 49 Resp: 73750  
Ion Ratio Lower Upper  
49 100  
128 47.2 23.3 69.9  
130 62.1 29.5 88.6

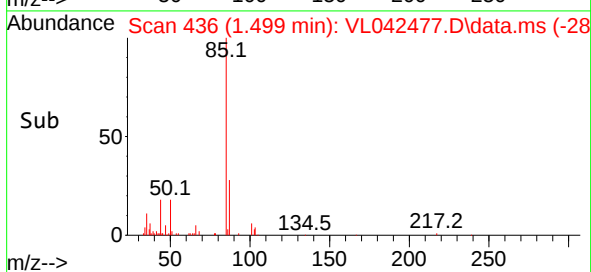
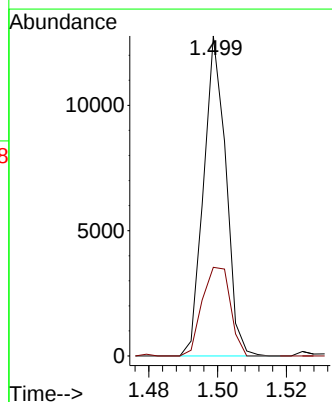
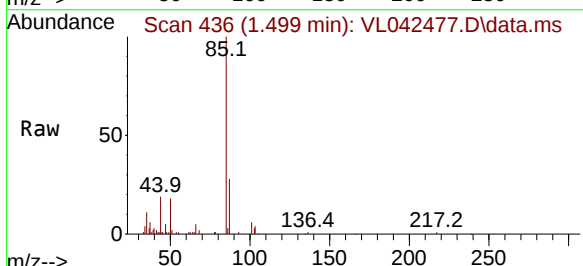
Manual Integrations  
APPROVED

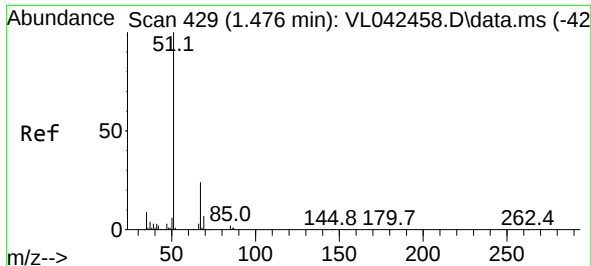
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#2  
Dichlorodifluoromethane  
Concen: 0.470 ppbv  
RT: 1.499 min Scan# 436  
Delta R.T. 0.000 min  
Lab File: VL042477.D  
Acq: 05 May 2025 15:53

Tgt Ion: 85 Resp: 5732  
Ion Ratio Lower Upper  
85 100  
87 27.7 26.9 40.3





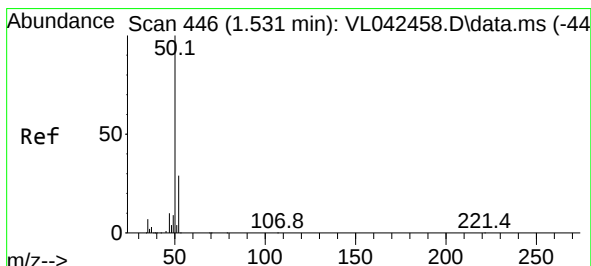
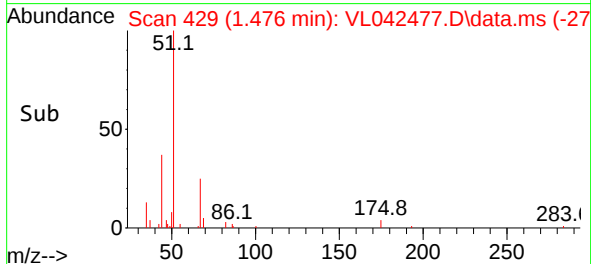
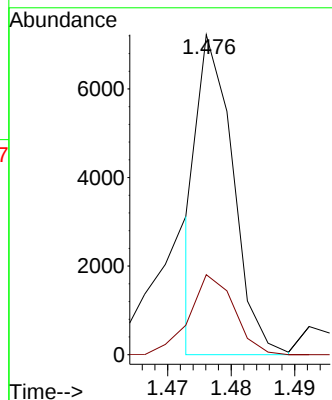
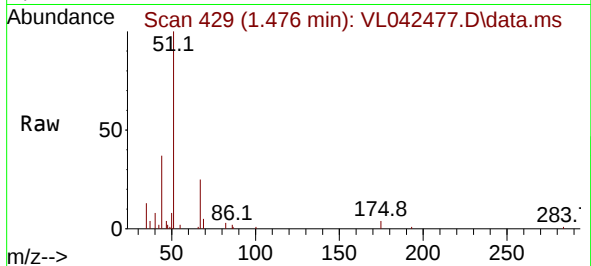
#3  
Chlorodifluoromethane  
Concen: 0.215 ppbv m  
RT: 1.476 min Scan# 429  
Delta R.T. 0.000 min  
Lab File: VL042477.D  
Acq: 05 May 2025 15:53

Instrument : MSVOA\_L  
ClientSampleId : EBR-P06-SC-IA01-20250428DUP

Tgt Ion: 51 Resp: 2768  
Ion Ratio Lower Upper  
51 100  
67 3.5 18.4 27.6

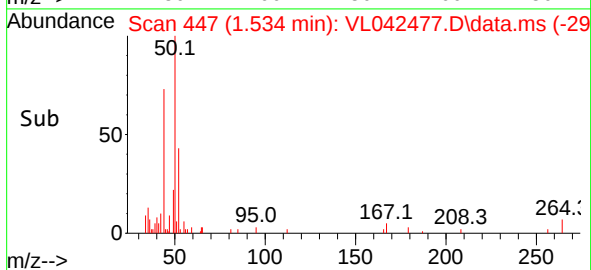
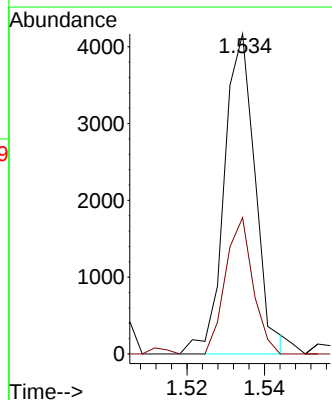
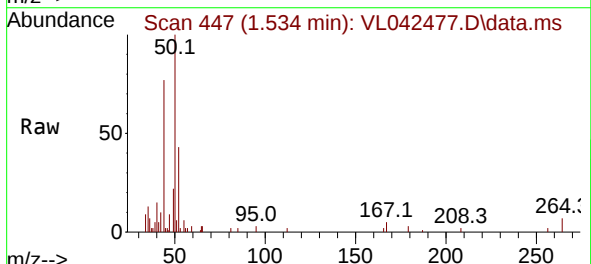
Manual Integrations  
APPROVED

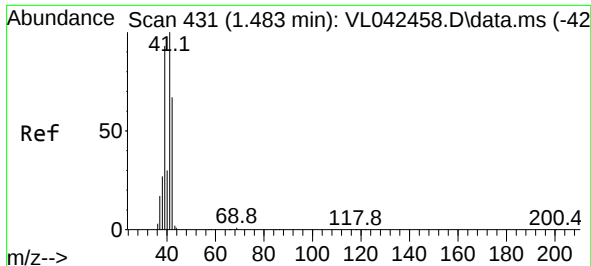
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#4  
Chloromethane  
Concen: 0.451 ppbv  
RT: 1.534 min Scan# 447  
Delta R.T. 0.003 min  
Lab File: VL042477.D  
Acq: 05 May 2025 15:53

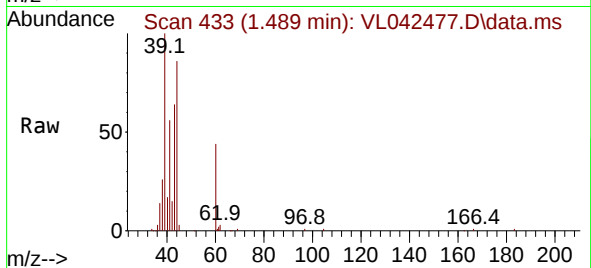
Tgt Ion: 50 Resp: 2300  
Ion Ratio Lower Upper  
50 100  
52 42.6 23.5 35.3#





#9  
 Propene  
 Concen: 1.274 ppbv m  
 RT: 1.489 min Scan# 41  
 Delta R.T. 0.007 min  
 Lab File: VL042477.D  
 Acq: 05 May 2025 15:53

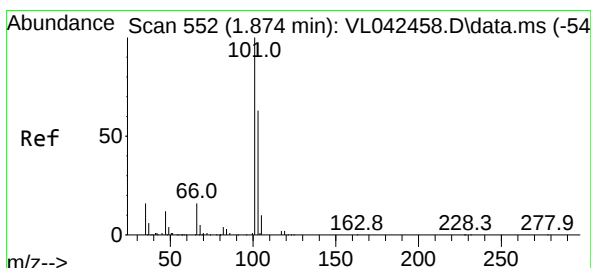
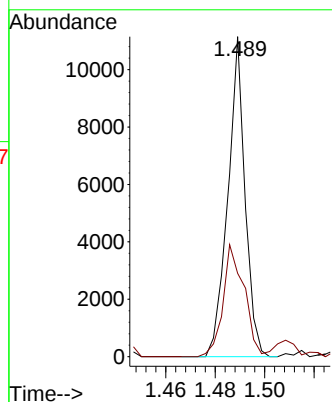
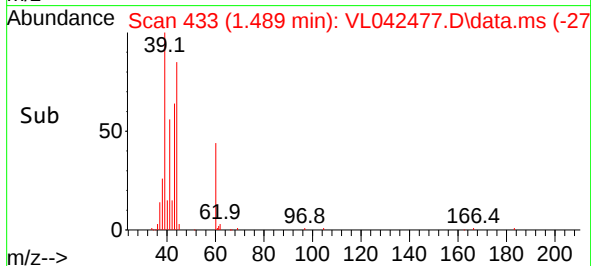
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 EBR-P06-SC-IA01-20250428DUP



Tgt Ion: 41 Resp: 537  
 Ion Ratio Lower Upper  
 41 100  
 42 42.4 54.3 81.5

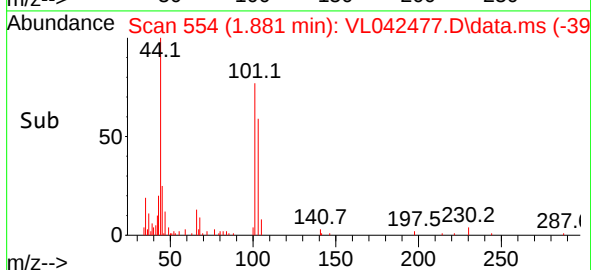
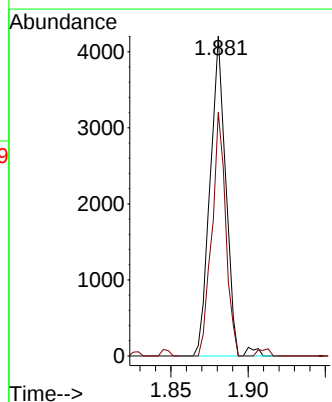
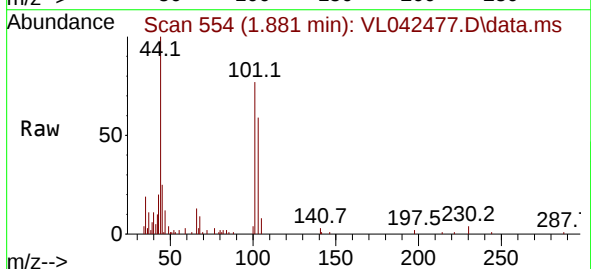
Manual Integrations  
 APPROVED

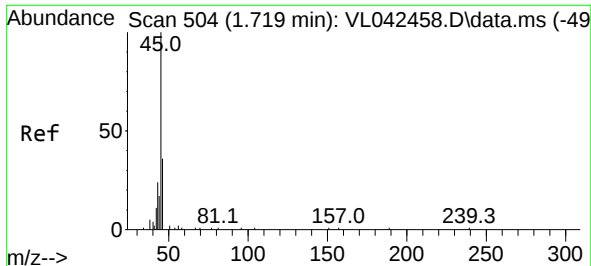
Reviewed By :Semsettin Yesilyurt 05/06/2025  
 Supervised By :Mahesh Dadoda 05/06/2025



#11  
 Trichlorofluoromethane  
 Concen: 0.265 ppbv m  
 RT: 1.881 min Scan# 554  
 Delta R.T. 0.007 min  
 Lab File: VL042477.D  
 Acq: 05 May 2025 15:53

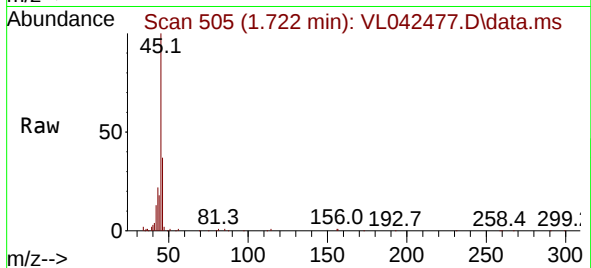
Tgt Ion:101 Resp: 2990  
 Ion Ratio Lower Upper  
 101 100  
 103 76.1 50.6 76.0#





#13  
Ethanol  
Concen: 20.679 ppbv  
RT: 1.722 min Scan# 504  
Delta R.T. 0.003 min  
Lab File: VL042477.D  
Acq: 05 May 2025 15:53

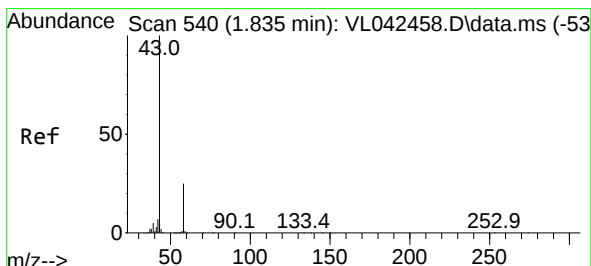
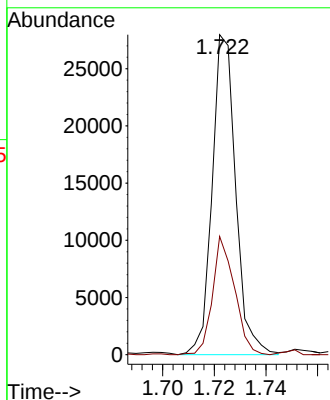
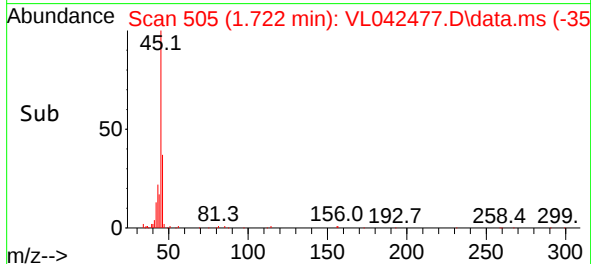
Instrument :  
MSVOA\_L  
ClientSampleId :  
EBR-P06-SC-IA01-20250428DUP



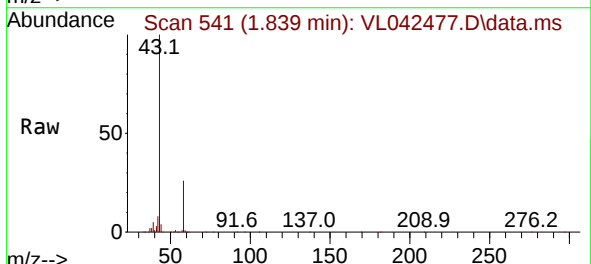
Tgt Ion: 45 Resp: 1771  
Ion Ratio Lower Upper  
45 100  
46 0.0 15.3 61.1

Manual Integrations  
APPROVED

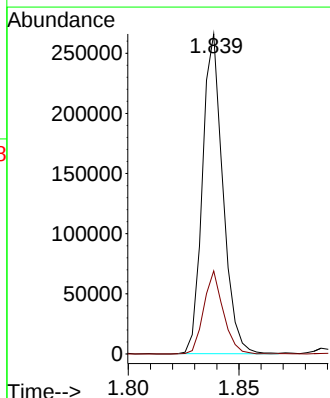
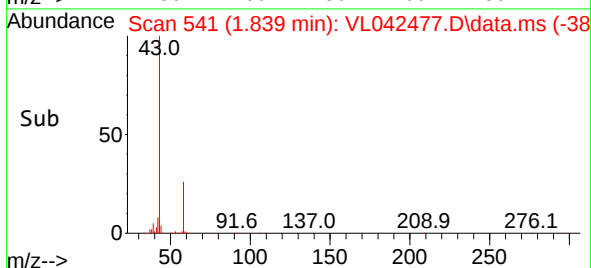
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025

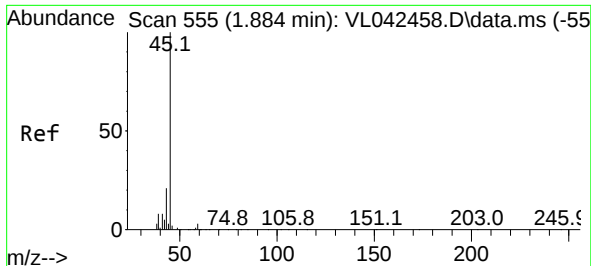


#15  
Acetone  
Concen: 12.660 ppbv  
RT: 1.839 min Scan# 541  
Delta R.T. 0.003 min  
Lab File: VL042477.D  
Acq: 05 May 2025 15:53



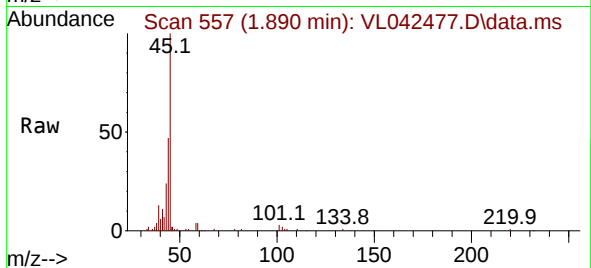
Tgt Ion: 43 Resp: 170449  
Ion Ratio Lower Upper  
43 100  
58 24.9 19.8 29.8





#19  
Isopropyl Alcohol  
Concen: 1.480 ppbv  
RT: 1.890 min Scan# 511  
Delta R.T. 0.007 min  
Lab File: VL042477.D  
Acq: 05 May 2025 15:53

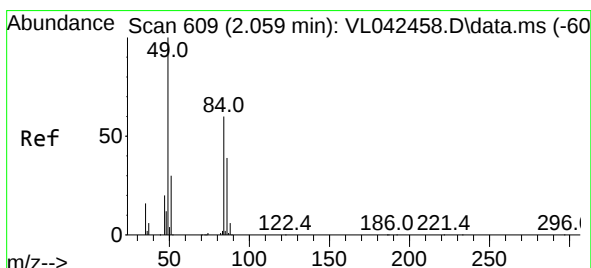
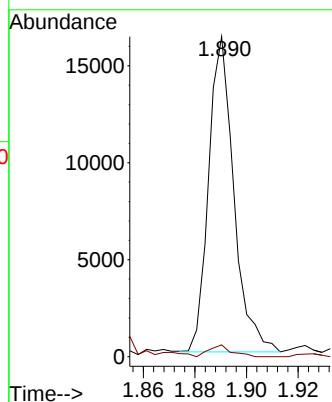
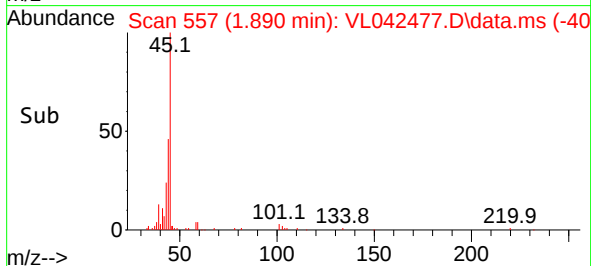
Instrument :  
MSVOA\_L  
ClientSampleId :  
EBR-P06-SC-IA01-20250428DUP



Tgt Ion: 45 Resp: 11020  
Ion Ratio Lower Upper  
45 100  
58 385.1 1.6 2.4

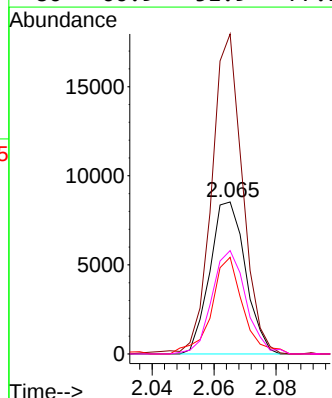
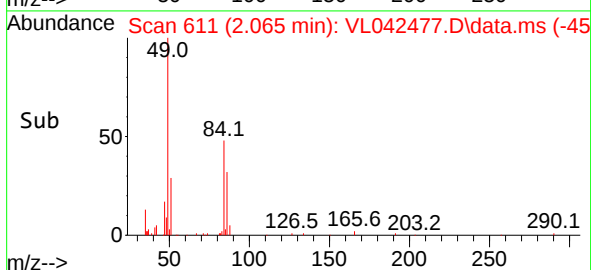
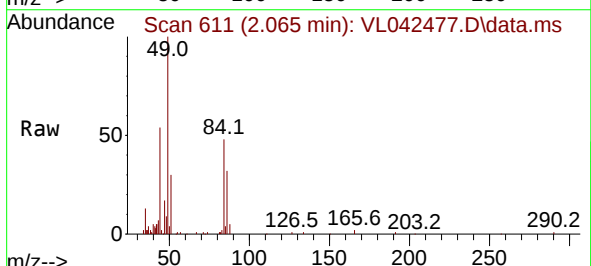
Manual Integrations  
APPROVED

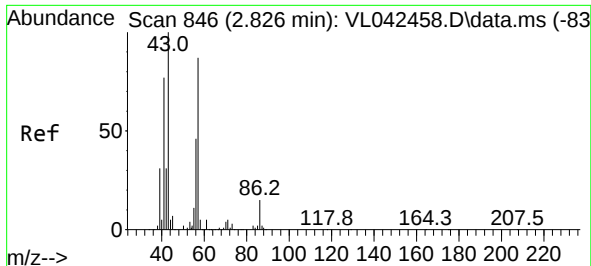
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#20  
Methylene Chloride  
Concen: 1.684 ppbv  
RT: 2.065 min Scan# 611  
Delta R.T. 0.007 min  
Lab File: VL042477.D  
Acq: 05 May 2025 15:53

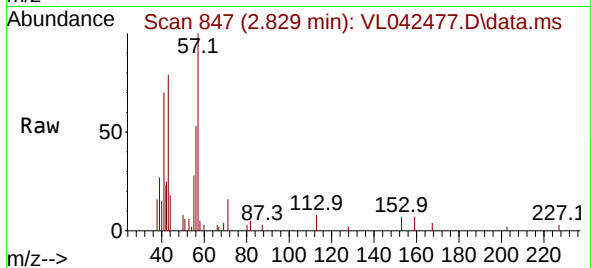
Tgt Ion: 84 Resp: 6814  
Ion Ratio Lower Upper  
84 100  
49 209.8 133.9 200.9#  
51 60.2 41.0 61.6  
86 66.9 51.9 77.9





#26  
Hexane  
Concen: 0.249 ppbv  
RT: 2.829 min Scan# 846  
Delta R.T. 0.003 min  
Lab File: VL042477.D  
Acq: 05 May 2025 15:53

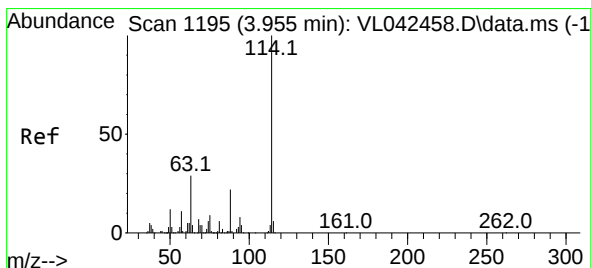
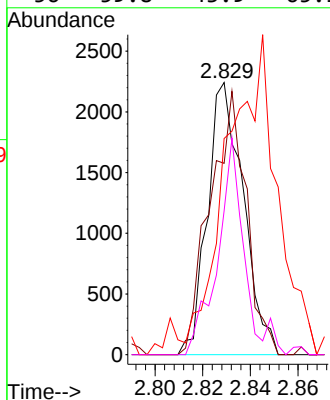
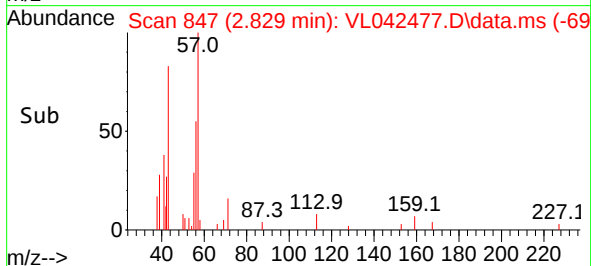
Instrument :  
MSVOA\_L  
ClientSampleId :  
EBR-P06-SC-IA01-20250428DUP



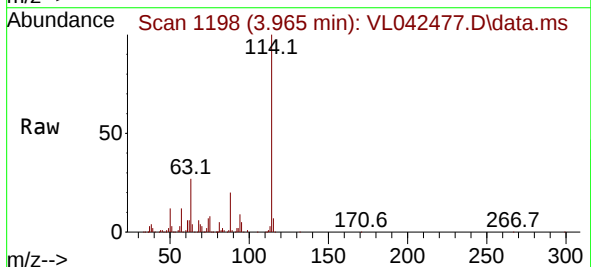
Tgt Ion: 57 Resp: 2340  
Ion Ratio Lower Upper  
57 100  
41 98.2 77.8 116.8  
43 180.1 187.0 280.6  
56 59.8 43.9 65.9

Manual Integrations  
APPROVED

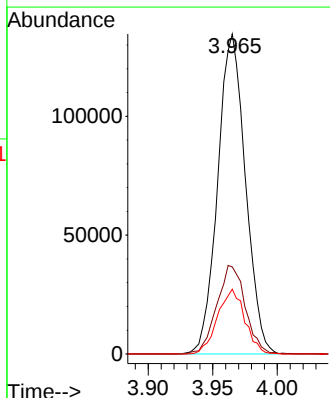
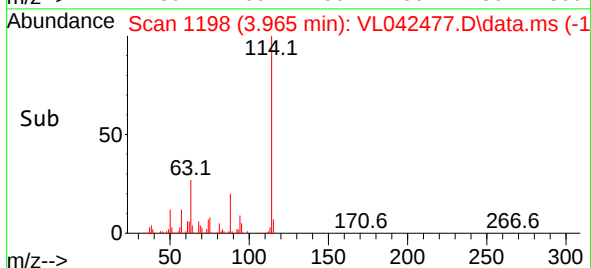
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025

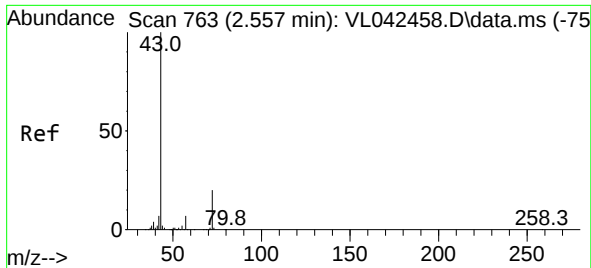


#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.965 min Scan# 1198  
Delta R.T. 0.010 min  
Lab File: VL042477.D  
Acq: 05 May 2025 15:53



Tgt Ion:114 Resp: 201304  
Ion Ratio Lower Upper  
114 100  
63 28.4 23.1 34.7  
88 19.8 16.1 24.1





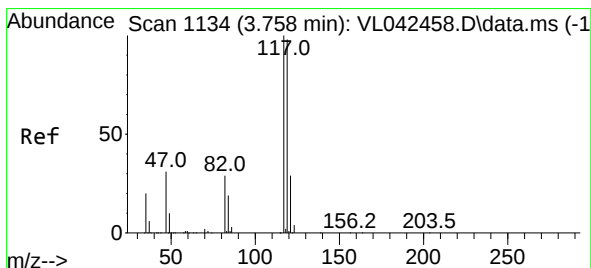
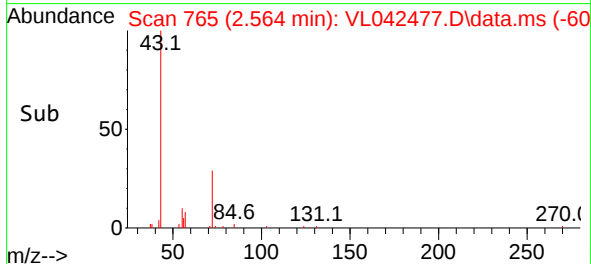
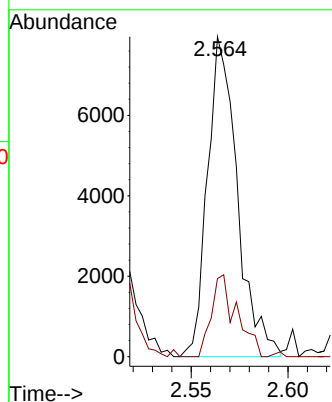
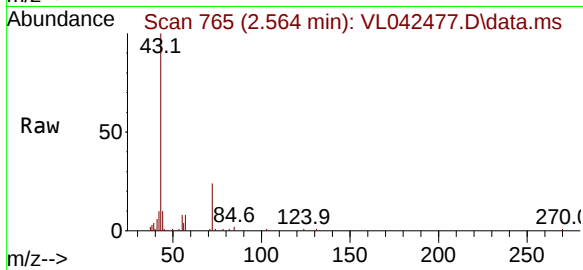
#34  
2-Butanone  
Concen: 0.586 ppbv  
RT: 2.564 min Scan# 765  
Delta R.T. 0.007 min  
Lab File: VL042477.D  
Acq: 05 May 2025 15:53

Instrument : MSVOA\_L  
ClientSampleId : EBR-P06-SC-IA01-20250428DUP

Tgt Ion: 43 Resp: 853  
Ion Ratio Lower Upper  
43 100  
72 22.0 16.7 25.1

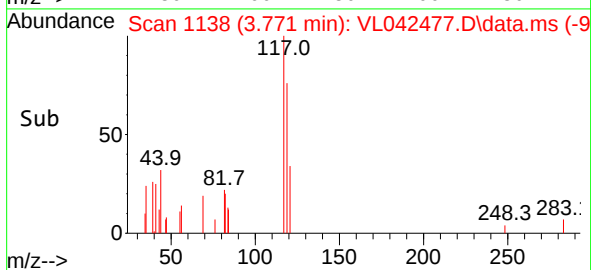
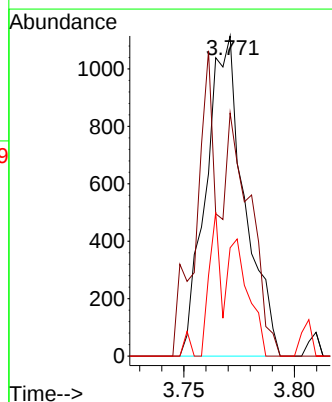
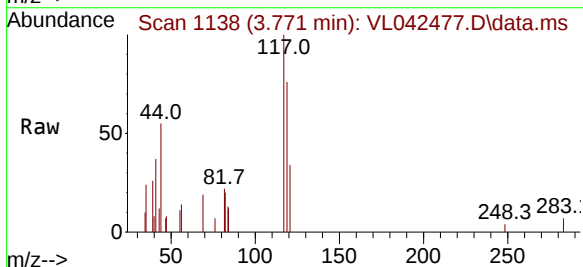
Manual Integrations  
APPROVED

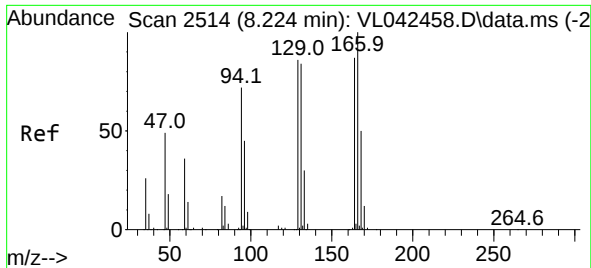
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#35  
Carbon Tetrachloride  
Concen: 0.073 ppbv  
RT: 3.771 min Scan# 1138  
Delta R.T. 0.013 min  
Lab File: VL042477.D  
Acq: 05 May 2025 15:53

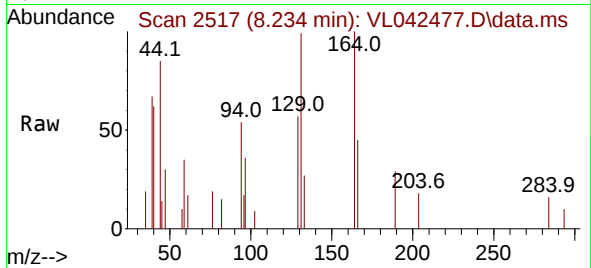
Tgt Ion:117 Resp: 1344  
Ion Ratio Lower Upper  
117 100  
119 76.0 78.1 117.1#  
121 33.8 23.0 34.6





#52  
Tetrachloroethene  
Concen: 0.082 ppbv m  
RT: 8.234 min Scan# 2119  
Delta R.T. 0.010 min  
Lab File: VL042477.D  
Acq: 05 May 2025 15:53

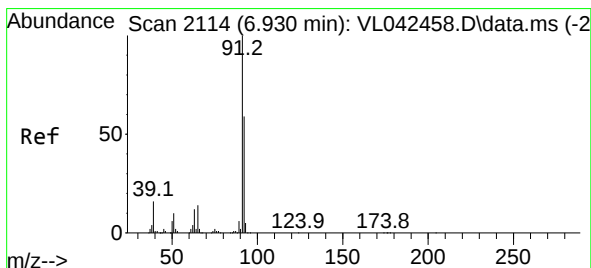
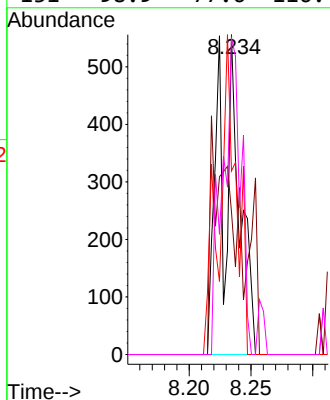
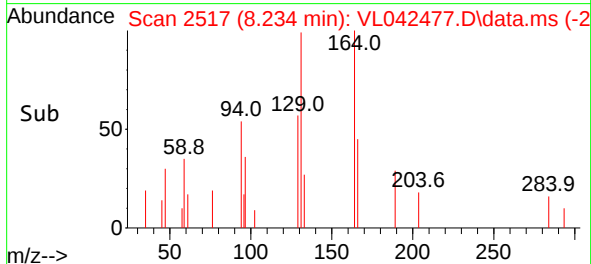
Instrument : MSVOA\_L  
ClientSampleId : EBR-P06-SC-IA01-20250428DUP



Tgt Ion:164 Resp: 591  
Ion Ratio Lower Upper  
164 100  
166 44.6 91.6 137.4  
129 57.4 79.0 118.4  
131 98.9 77.6 116.4

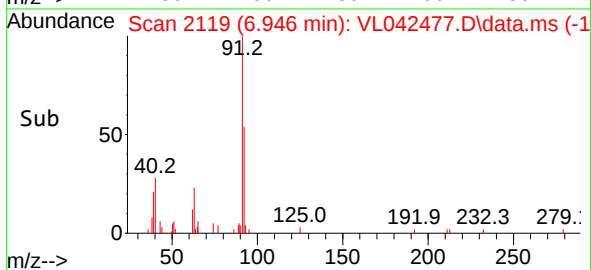
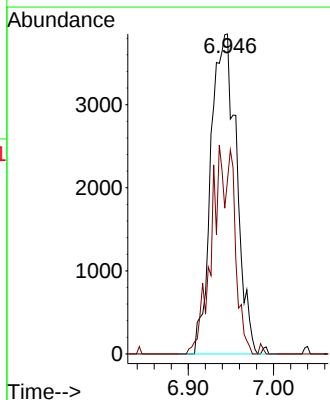
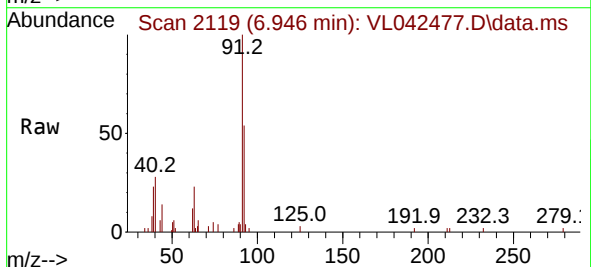
Manual Integrations  
APPROVED

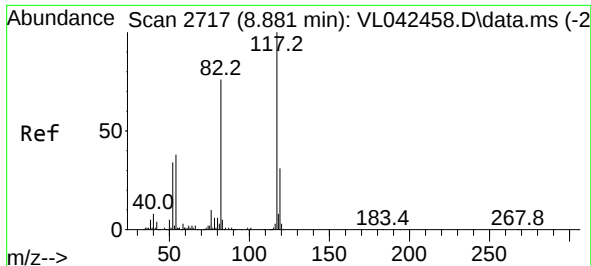
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#53  
Toluene  
Concen: 0.398 ppbv m  
RT: 6.946 min Scan# 2119  
Delta R.T. 0.016 min  
Lab File: VL042477.D  
Acq: 05 May 2025 15:53

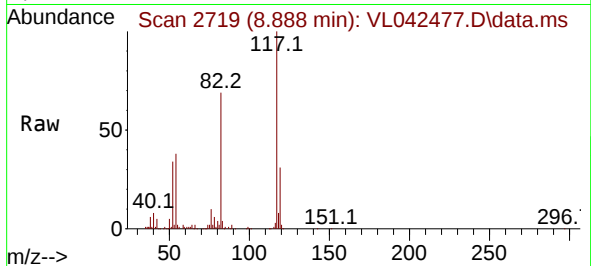
Tgt Ion: 91 Resp: 8005  
Ion Ratio Lower Upper  
91 100  
92 0.0 47.9 71.9





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.888 min Scan# 21  
Delta R.T. 0.007 min  
Lab File: VL042477.D  
Acq: 05 May 2025 15:53

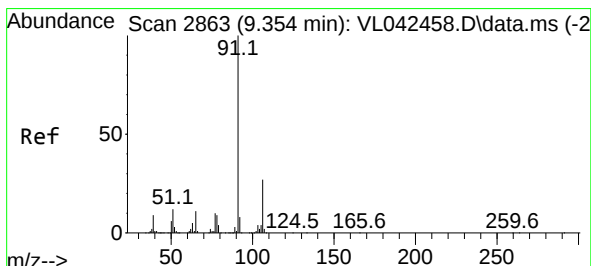
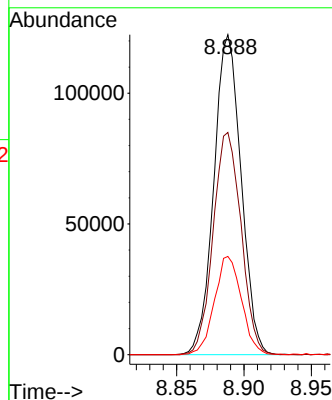
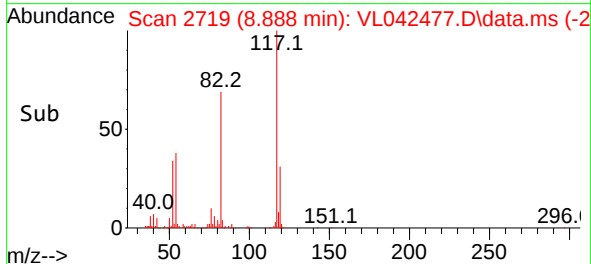
Instrument :  
MSVOA\_L  
ClientSampleId :  
EBR-P06-SC-IA01-20250428DUP



Tgt Ion:117 Resp: 172495  
Ion Ratio Lower Upper  
117 100  
82 71.0 63.5 95.3  
119 30.4 25.8 38.8

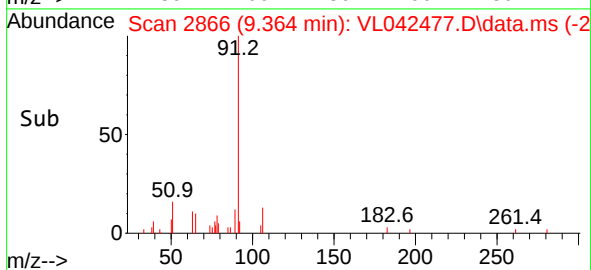
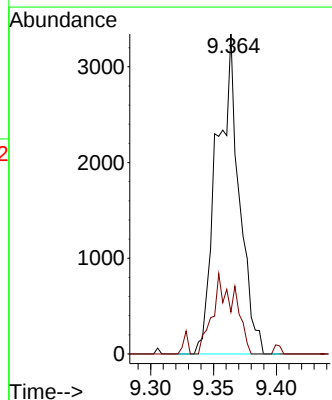
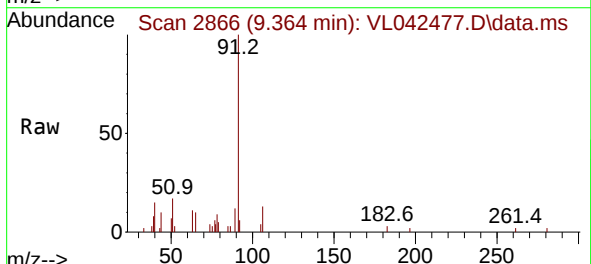
Manual Integrations  
APPROVED

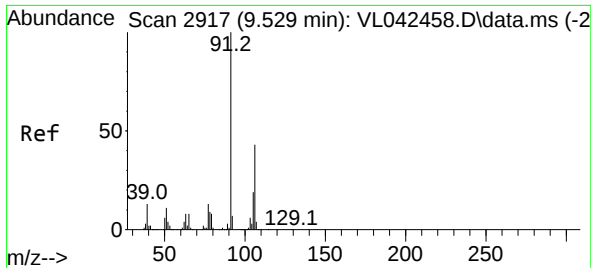
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#58  
Ethyl Benzene  
Concen: 0.144 ppbv m  
RT: 9.364 min Scan# 2866  
Delta R.T. 0.010 min  
Lab File: VL042477.D  
Acq: 05 May 2025 15:53

Tgt Ion: 91 Resp: 4155  
Ion Ratio Lower Upper  
91 100  
106 13.1 21.9 32.9#





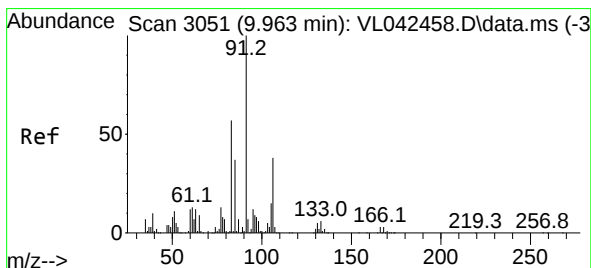
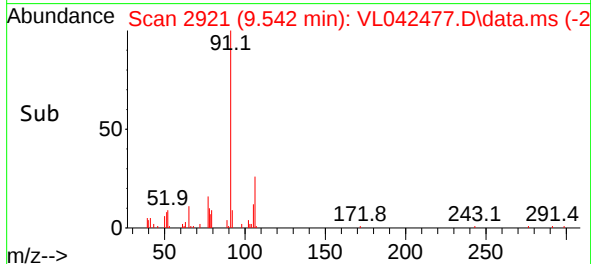
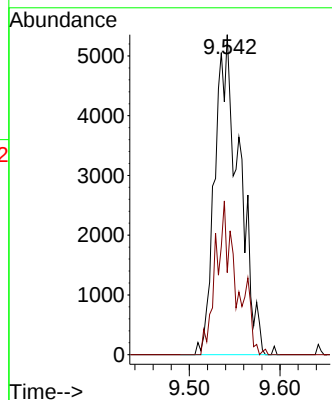
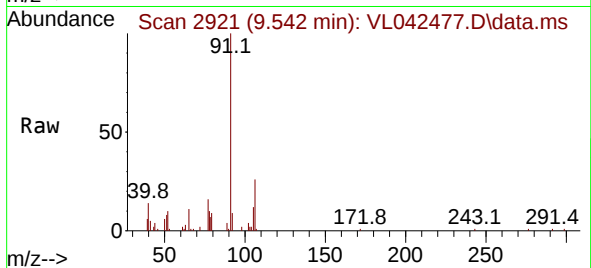
#59  
m/p-Xylene  
Concen: 0.419 ppbv m  
RT: 9.542 min Scan# 2917  
Delta R.T. 0.013 min  
Lab File: VL042477.D  
Acq: 05 May 2025 15:53

Instrument :  
MSVOA\_L  
ClientSampleId :  
EBR-P06-SC-IA01-20250428DUP

Tgt Ion: 91 Resp: 10120  
Ion Ratio Lower Upper  
91 100  
106 0.0 34.2 51.2

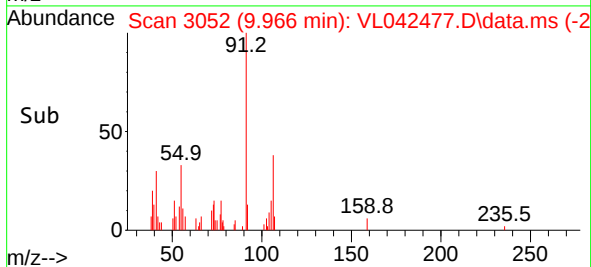
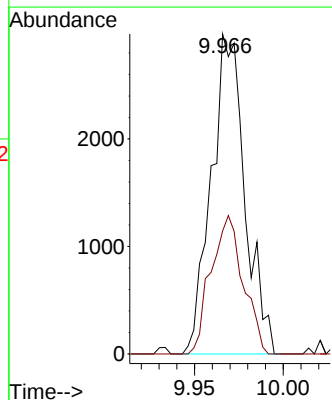
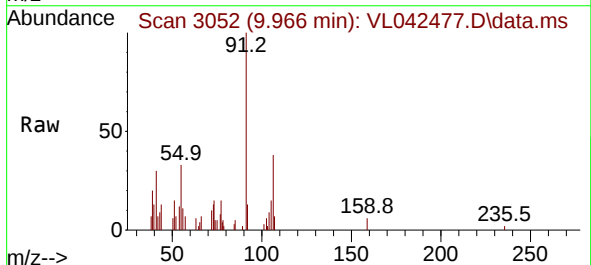
Manual Integrations  
APPROVED

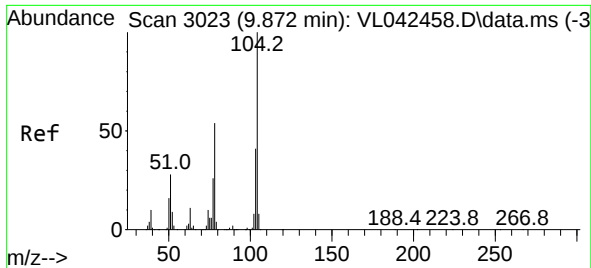
Reviewed By :Semsettin Yesilyurt 05/06/2025  
Supervised By :Mahesh Dadoda 05/06/2025



#60  
o-Xylene  
Concen: 0.162 ppbv m  
RT: 9.966 min Scan# 3052  
Delta R.T. 0.003 min  
Lab File: VL042477.D  
Acq: 05 May 2025 15:53

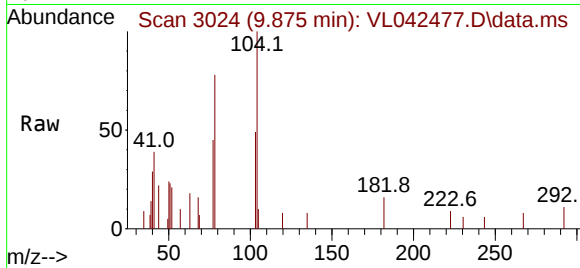
Tgt Ion: 91 Resp: 3926  
Ion Ratio Lower Upper  
91 100  
106 41.5 20.1 60.2





#61  
Styrene  
Concen: 0.143 ppbv  
RT: 9.875 min Scan# 3023  
Delta R.T. 0.003 min  
Lab File: VL042477.D  
Acq: 05 May 2025 15:53

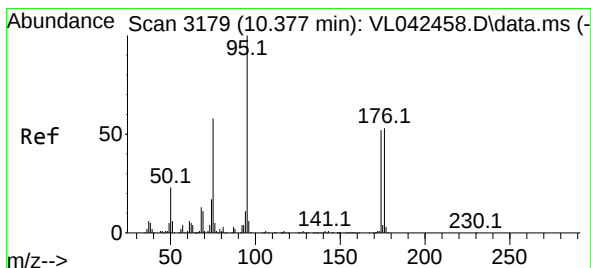
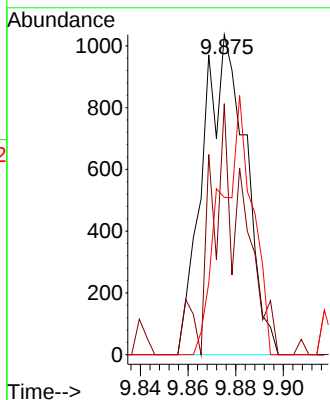
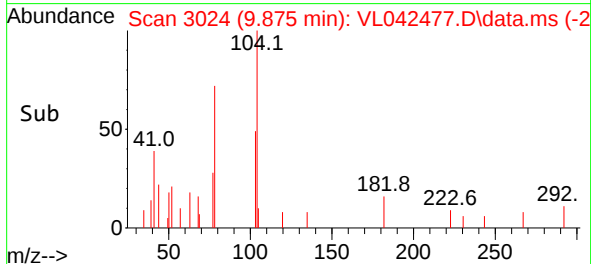
Instrument : MSVOA\_L  
ClientSampleId : EBR-P06-SC-IA01-20250428DUP



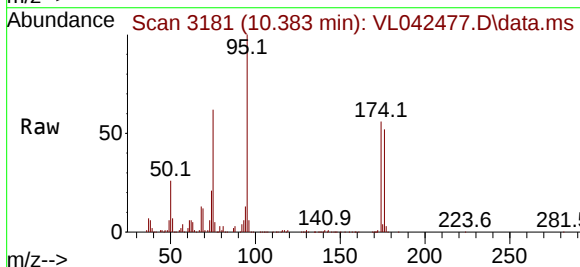
Tgt Ion:104 Resp: 129  
Ion Ratio Lower Upper  
104 100  
78 60.1 46.9 70.3  
103 59.5 36.6 55.0

Manual Integrations  
APPROVED

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



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.904 ppbv  
RT: 10.383 min Scan# 3181  
Delta R.T. 0.007 min  
Lab File: VL042477.D  
Acq: 05 May 2025 15:53



Tgt Ion: 95 Resp: 158397  
Ion Ratio Lower Upper  
95 100  
174 54.3 42.7 64.1  
175 3.9 3.6 5.4

